

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040919\
 Data File : VX008771.D
 Acq On : 09 Apr 2019 15:25
 Operator : JC/SP
 Sample : VX0409MBS01
 Misc : 5.0µ/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/10/2019 10:05:12 AM

Quant Time: Apr 09 16:52:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	297806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	134021	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	5.50	113	98303	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	8.71	98	384797	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.13	95	133069	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31197	15.364	ug/l	97
3) Chloromethane	1.32	50	45060	16.992	ug/l	100
4) Vinyl Chloride	1.40	62	44746	16.302	ug/l	99
5) Bromomethane	1.64	94	23568	18.658	ug/l	97
6) Chloroethane	1.71	64	27777	16.501	ug/l	99
7) Trichlorofluoromethane	1.93	101	52273	17.228	ug/l	100
8) Diethyl Ether	2.19	74	26342	18.307	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34202	17.508	ug/l	99
10) Methyl Iodide	2.51	142	31503	20.292	ug/l	98
11) Tert butyl alcohol	3.05	59	57911	96.142	ug/l	99
12) 1,1-Dichloroethene	2.37	96	35516	17.415	ug/l	98
13) Acrolein	2.29	56	36682	122.816	ug/l	98
14) Allyl chloride	2.73	41	83077	17.795	ug/l	99
15) Acrylonitrile	3.14	53	151693	95.062	ug/l	99
16) Acetone	2.45	43	141587	95.543	ug/l	100
17) Carbon Disulfide	2.57	76	92295	15.157	ug/l	97
18) Methyl Acetate	2.78	43	70606	19.645	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	139175	19.110	ug/l	97
20) Methylene Chloride	2.85	84	43224	17.425	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	37426	16.966	ug/l	98
22) Diisopropyl ether	3.85	45	169887	18.880	ug/l	89
23) Vinyl Acetate	3.82	43	742773	94.888	ug/l	99
24) 1,1-Dichloroethane	3.70	63	81241	18.235	ug/l	97
25) 2-Butanone	4.68	43	229991	98.194	ug/l	99
26) 2,2-Dichloropropane	4.58	77	56007	17.849	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	45574	17.970	ug/l	99
28) Bromochloromethane	5.01	49	37452	18.200	ug/l	99
29) Tetrahydrofuran	5.13	42	150648	96.906	ug/l	99
30) Chloroform	5.21	83	73975	18.591	ug/l	98
31) Cyclohexane	5.58	56	75237	16.925	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	58409	18.165	ug/l	99
36) 1,1-Dichloropropene	5.80	75	55115	16.931	ug/l	99
37) Ethyl Acetate	4.84	43	84810	19.518	ug/l	99
38) Carbon Tetrachloride	5.78	117	47422	17.601	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66400	16.512	ug/l	96
40) Benzene	6.15	78	173278	17.867	ug/l	100
41) Methacrylonitrile	5.04	41	46953	18.799	ug/l	99
42) 1,2-Dichloroethane	6.20	62	63370	18.227	ug/l	100
43) Isopropyl Acetate	6.45	43	129076	18.963	ug/l	100
44) Trichloroethene	7.21	130	39902	17.666	ug/l	97
45) 1,2-Dichloropropane	7.51	63	50087	18.095	ug/l	98
46) Dibromomethane	7.66	93	28311	17.635	ug/l	99
47) Bromodichloromethane	7.90	83	54361	17.959	ug/l	99
48) Methyl methacrylate	7.77	41	64819	18.825	ug/l	99
49) 1,4-Dioxane	7.74	88	23634	366.416	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	424871	96.964	ug/l	100
52) Toluene	8.78	92	100684	17.610	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60650	17.887	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	69277	17.881	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	43895	19.126	ug/l	98
56) Ethyl methacrylate	9.18	69	76577	18.441	ug/l	98
57) 1,3-Dichloropropane	9.37	76	76576	18.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	215863	101.807	ug/l	99
59) 2-Hexanone	9.49	43	326775	95.962	ug/l	100
60) Dibromochloromethane	9.58	129	39247	18.148	ug/l	99
61) 1,2-Dibromoethane	9.67	107	43125	18.050	ug/l	98
64) Tetrachloroethene	9.34	164	35053	18.329	ug/l	96
65) Chlorobenzene	10.14	112	102407	17.897	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	36507	18.186	ug/l	99
67) Ethyl Benzene	10.25	91	187485	17.572	ug/l	100
68) m/p-Xylenes	10.36	106	132818	34.622	ug/l	100
69) o-Xylene	10.70	106	66609	17.916	ug/l	97
70) Styrene	10.71	104	114601	17.882	ug/l	99
71) Bromoform	10.85	173	27424	17.888	ug/l #	98
73) Isopropylbenzene	11.02	105	173943	18.208	ug/l	100
74) N-amyl acetate	10.90	43	104958	18.674	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	68655	18.896	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	68101m	21.505	ug/l	
77) Bromobenzene	11.26	156	41879	18.235	ug/l	100
78) n-propylbenzene	11.36	91	197130	17.722	ug/l	100
79) 2-Chlorotoluene	11.42	91	119103	17.693	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	147490	18.392	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20806	18.111	ug/l	92
82) 4-Chlorotoluene	11.51	91	136354	17.499	ug/l	100
83) tert-Butylbenzene	11.77	119	137723	17.851	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	148000	18.227	ug/l	100
85) sec-Butylbenzene	11.94	105	164622	17.964	ug/l	99
86) p-Isopropyltoluene	12.06	119	148039	17.998	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	72189	17.558	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	72005	17.295	ug/l	99
89) n-Butylbenzene	12.38	91	134220	17.400	ug/l	99
90) Hexachloroethane	12.60	117	23756	17.413	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	73832	18.086	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14367	17.975	ug/l	99

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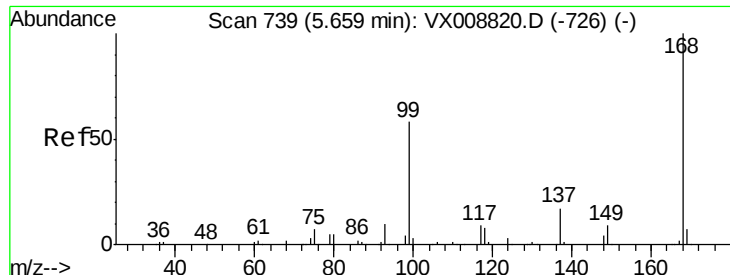
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	49091	17.296	ug/l	99
94) Hexachlorobutadiene	13.78	225	24111	17.713	ug/l	99
95) Naphthalene	13.83	128	174127	18.356	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	50168	17.691	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion:168 Resp: 176400

Ion Ratio Lower Upper

168 100

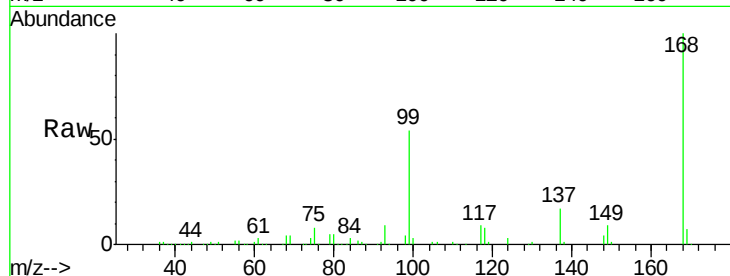
99 54.0 46.7 70.1

Manual Integrations

APPROVED

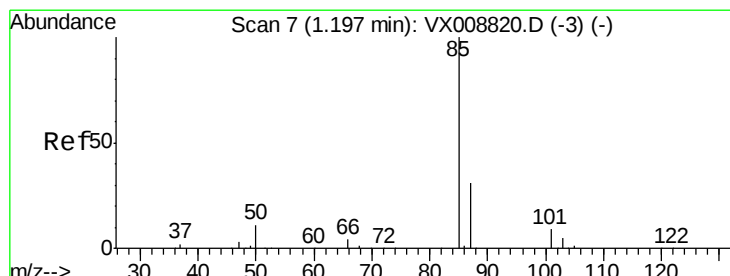
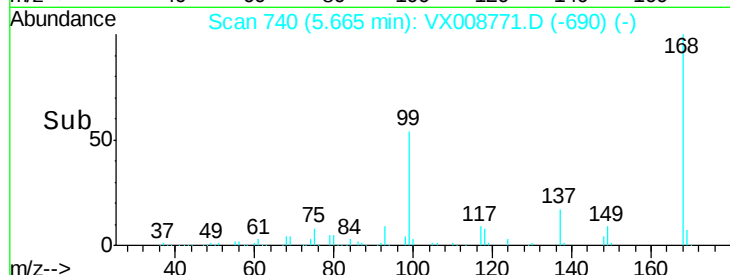
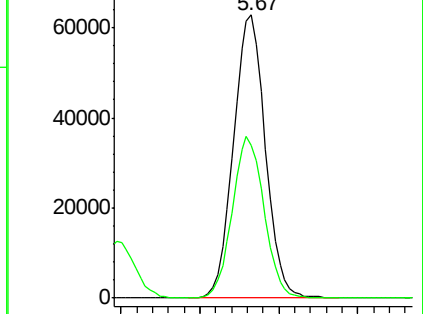
MMDadoda

4/10/2019 10:05:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.364 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008771.D

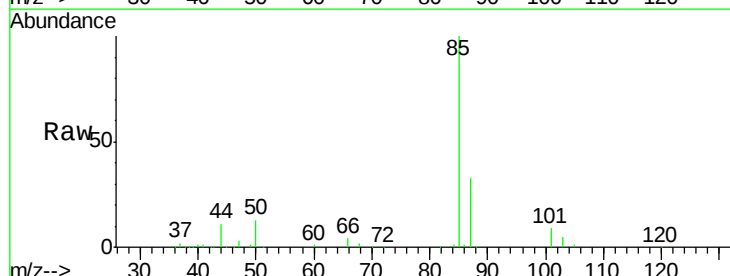
Acq: 09 Apr 2019 15:25

Tgt Ion: 85 Resp: 31197

Ion Ratio Lower Upper

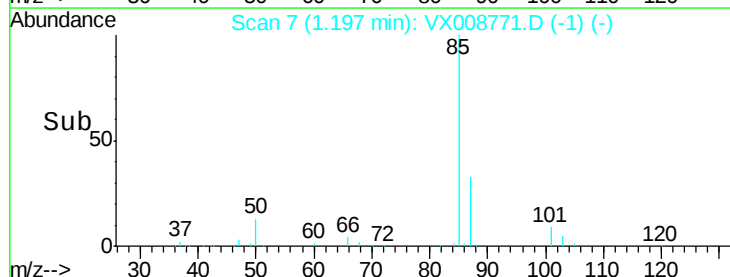
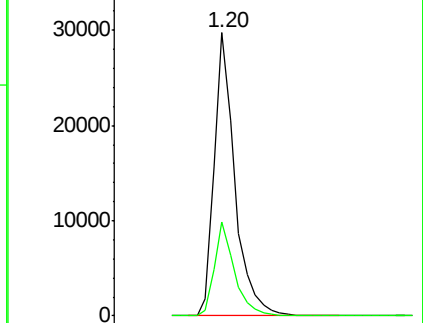
85 100

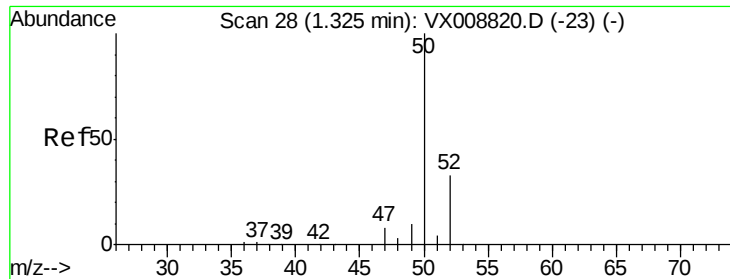
87 33.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.992 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion: 50 Resp: 45060

Ion Ratio Lower Upper

50 100

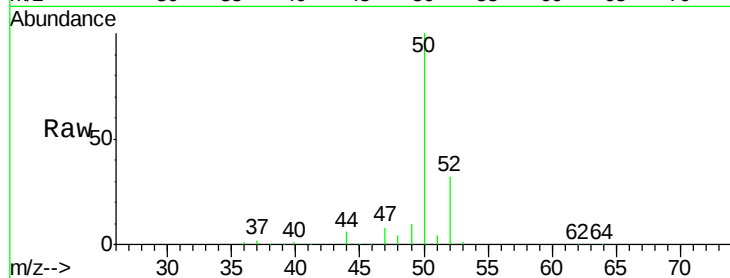
52 32.2 25.8 38.8

Manual Integrations

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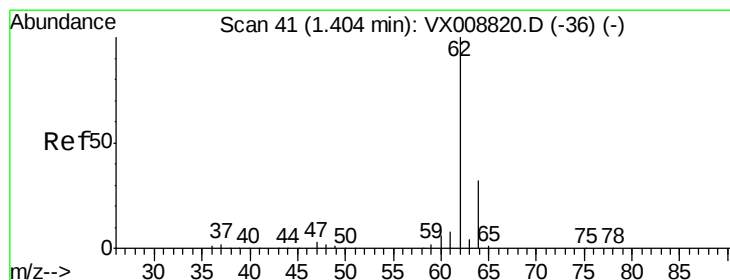
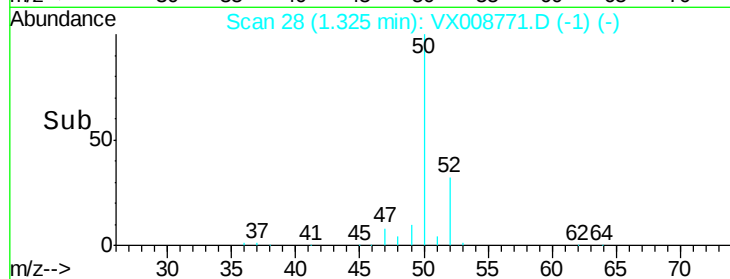
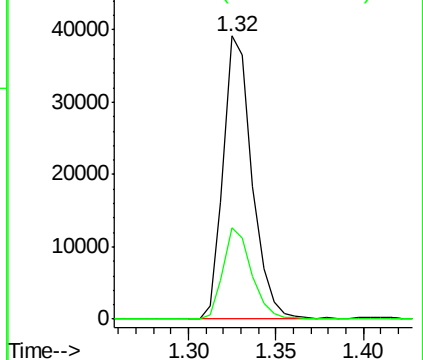
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.302 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008771.D

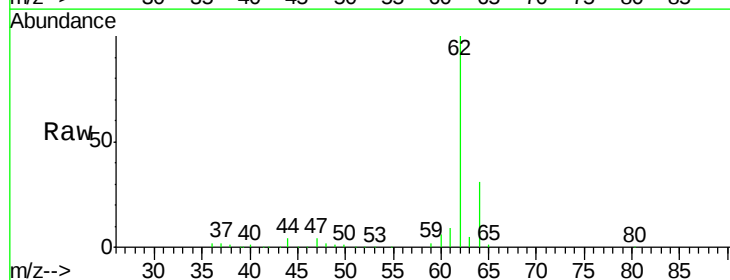
Acq: 09 Apr 2019 15:25

Tgt Ion: 62 Resp: 44746

Ion Ratio Lower Upper

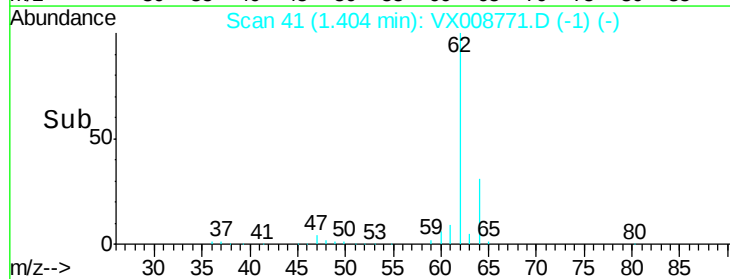
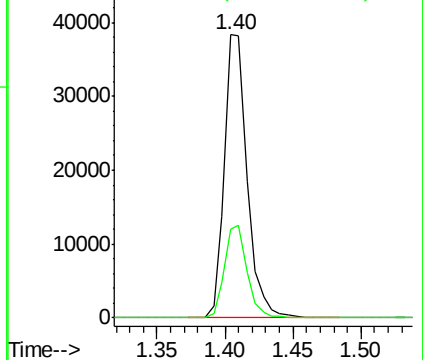
62 100

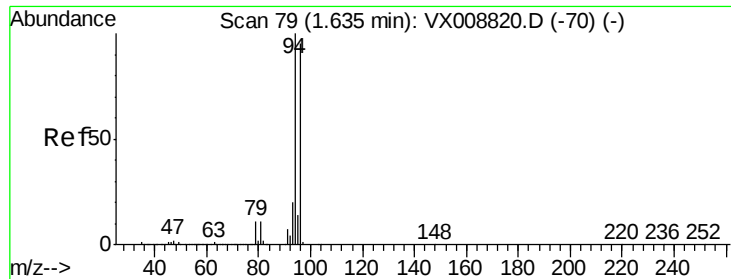
64 31.2 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.658 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion: 94 Resp: 23568

Ion Ratio Lower Upper

94 100

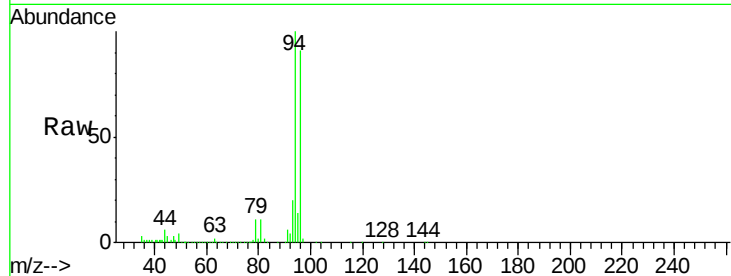
96 90.9 75.2 112.8

Manual Integrations

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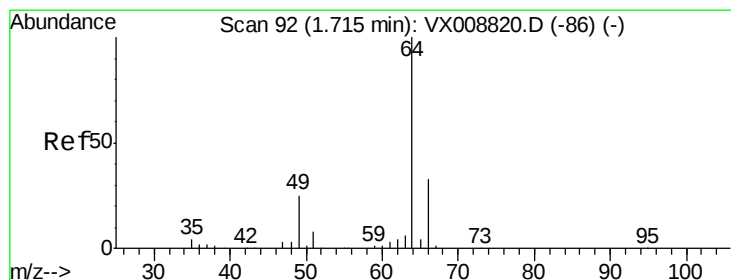
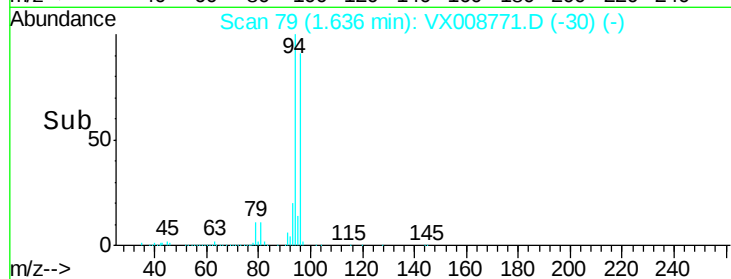
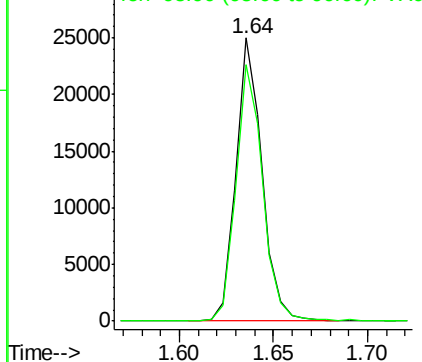
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 16.501 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008771.D

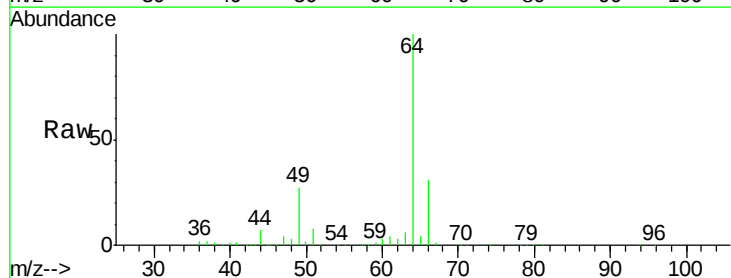
Acq: 09 Apr 2019 15:25

Tgt Ion: 64 Resp: 27777

Ion Ratio Lower Upper

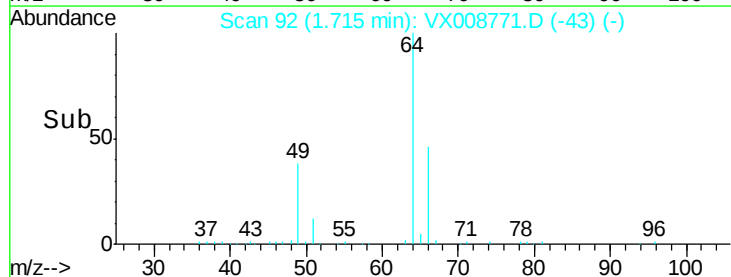
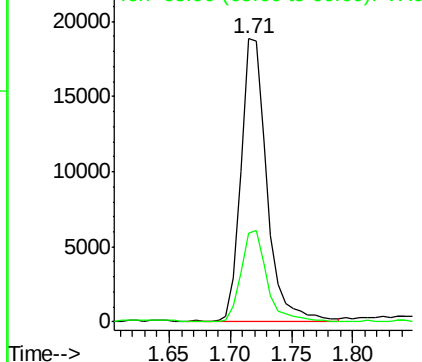
64 100

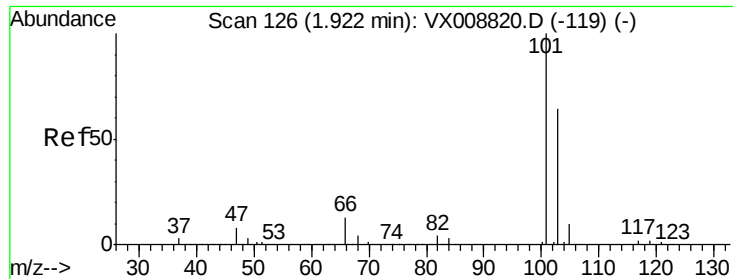
66 31.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

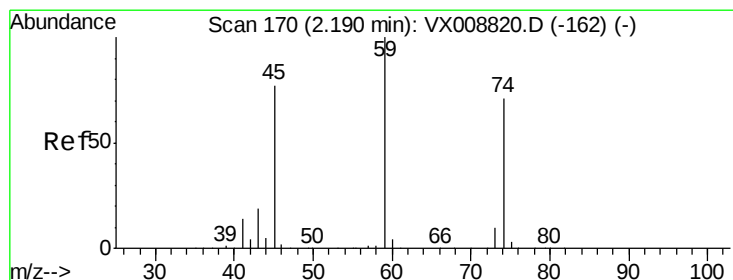
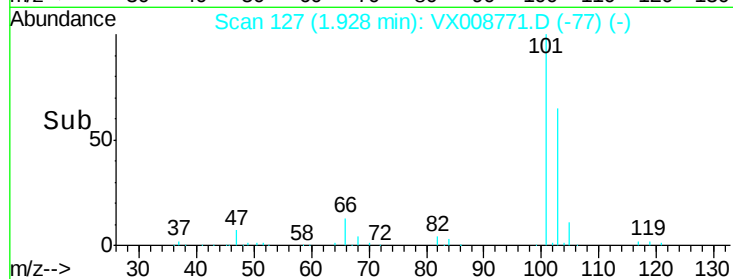
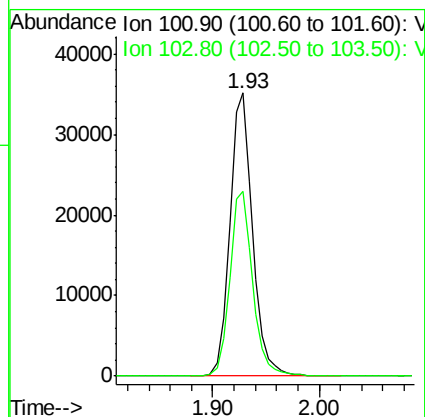
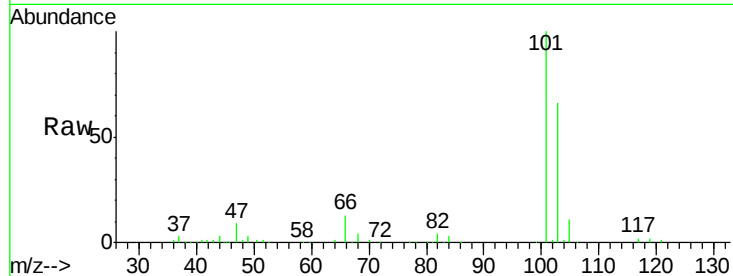
Trichlorofluoromethane
Concen: 17.228 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion:101 Resp: 52273
Ion Ratio Lower Upper
101 100
103 65.5 52.3 78.5

Manual Integrations
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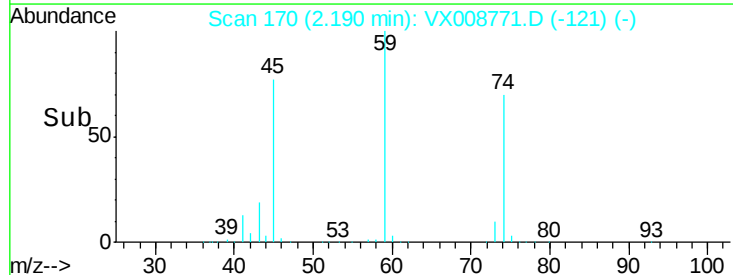
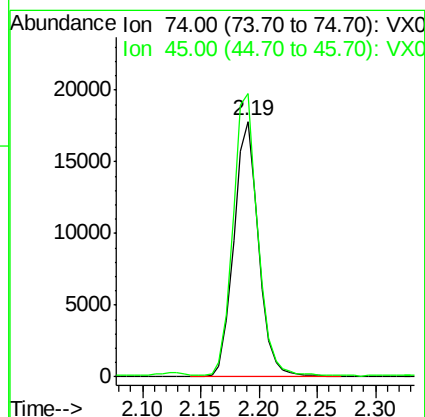
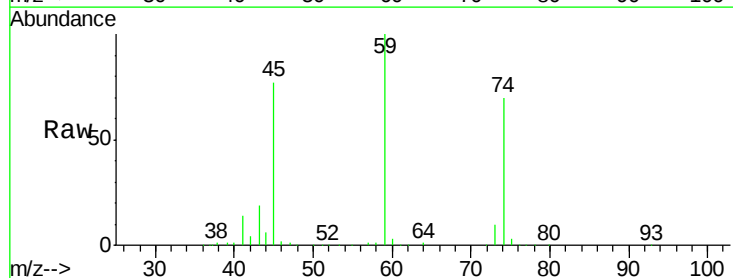
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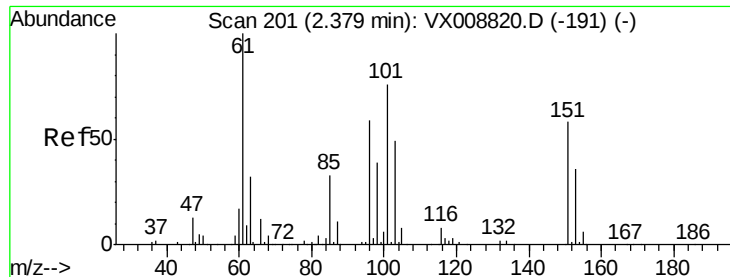


#8

Diethyl Ether
Concen: 18.307 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion: 74 Resp: 26342
Ion Ratio Lower Upper
74 100
45 111.1 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.508 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

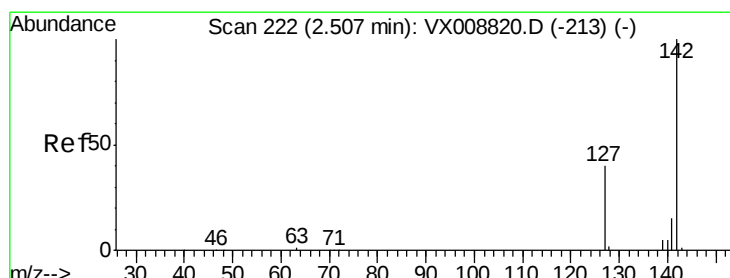
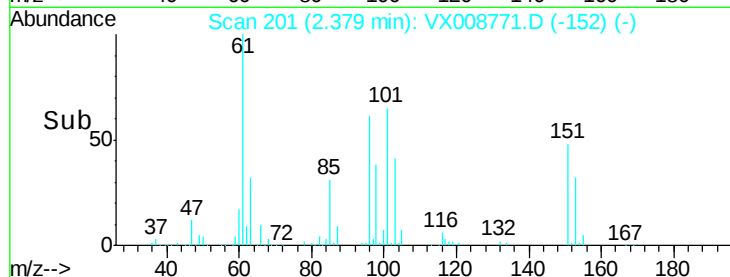
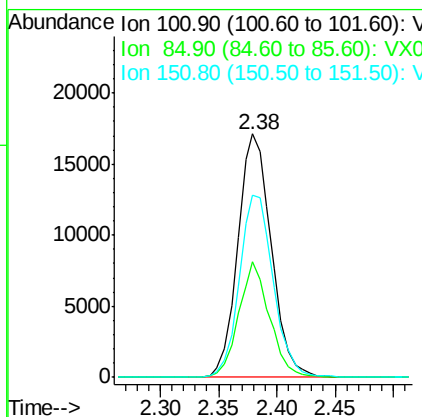
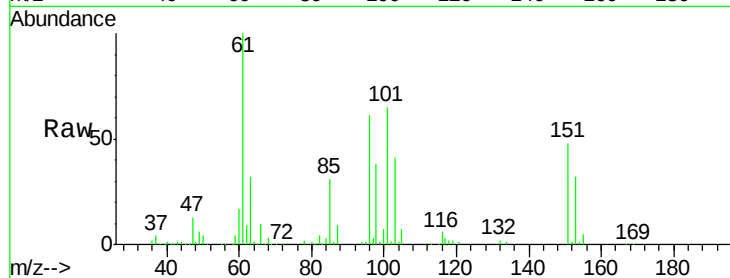
ClientSampleId :

VX0409MBS01

Tot Ion:	101	Resp:	34202
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	75.7	59.9	89.9

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#10

Methyl Iodide

Concen: 20.292 ug/l

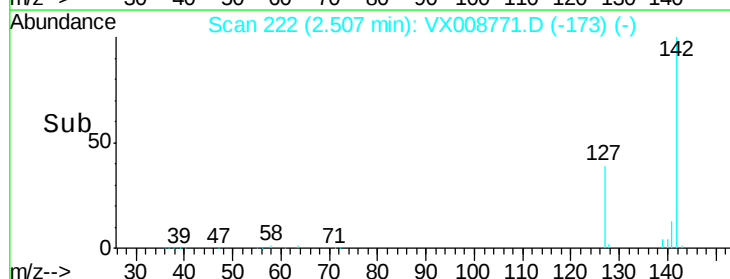
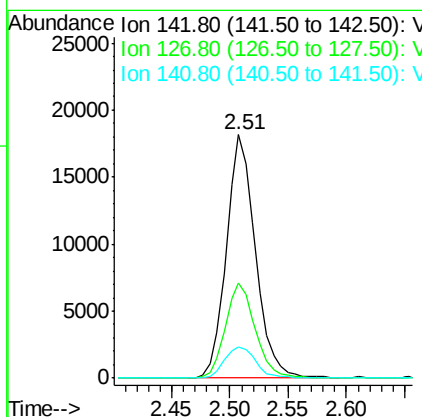
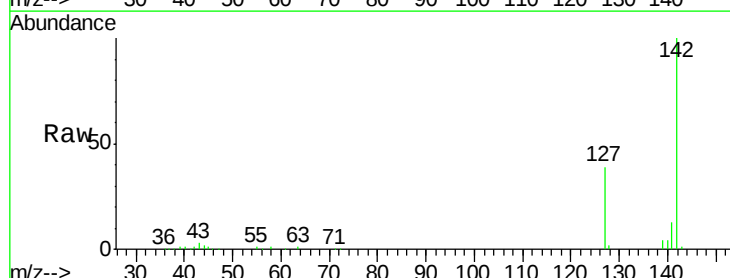
RT: 2.51 min Scan# 222

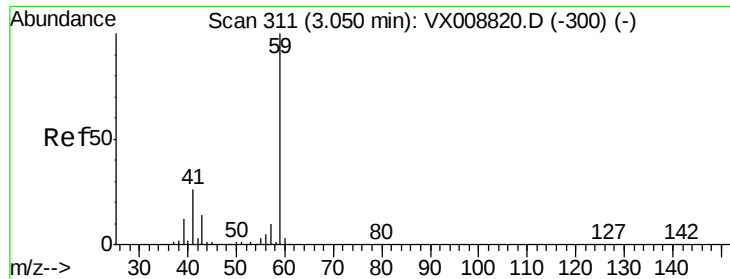
Delta R.T. 0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Tgt Ion:	142	Resp:	31503
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.0	49.6
141	13.8	11.4	17.2





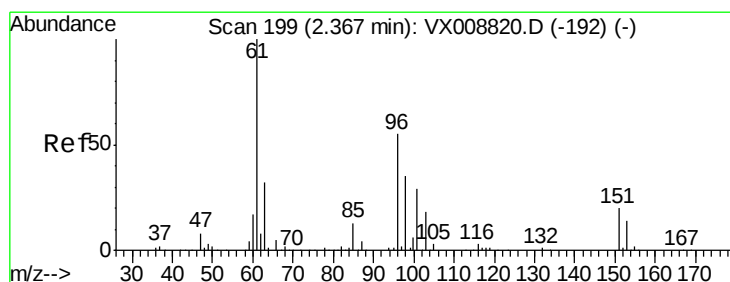
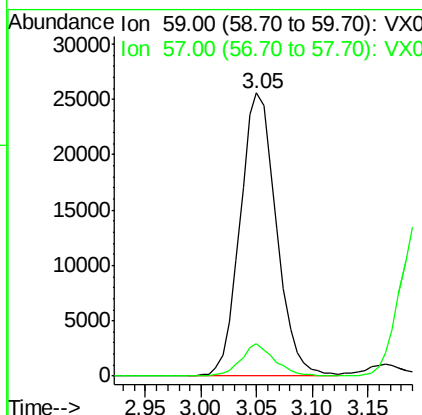
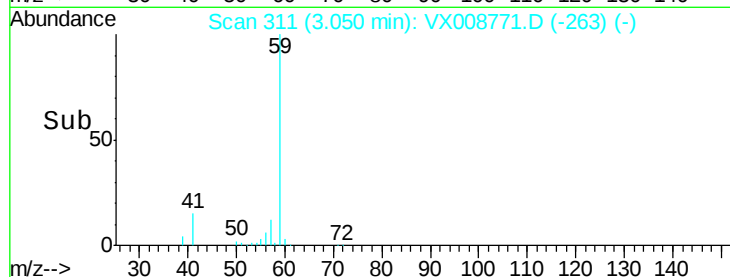
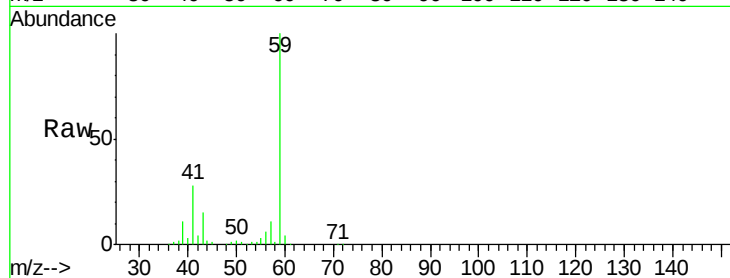
#11
Tert butyl alcohol
Concen: 96.142 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

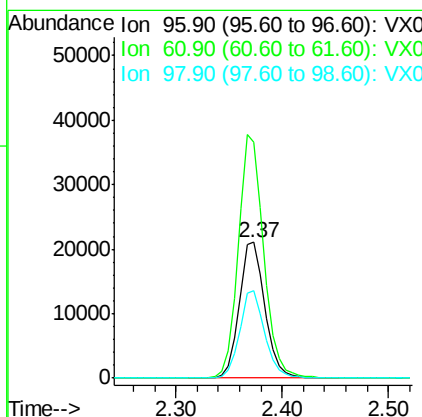
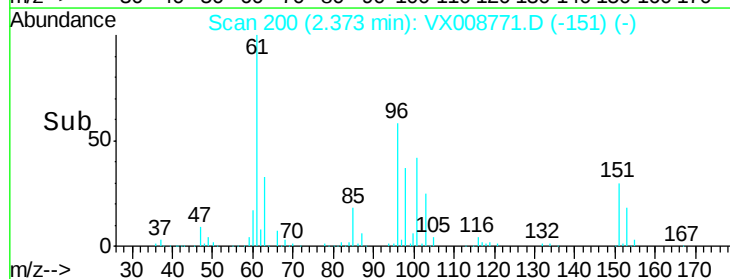
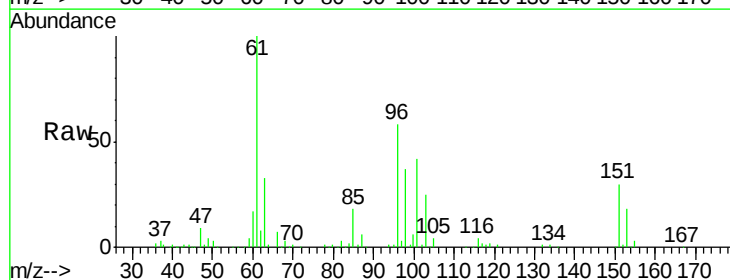
Manual Integrations
APPROVED

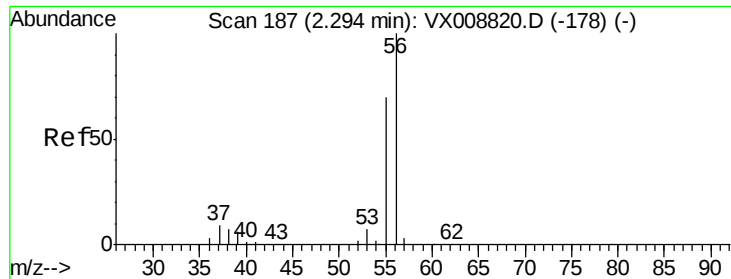
MMDadoda
4/10/2019 10:05:12 AM



#12
1,1-Dichloroethene
Concen: 17.415 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	140.9	211.3
98	64.5	52.1	78.1





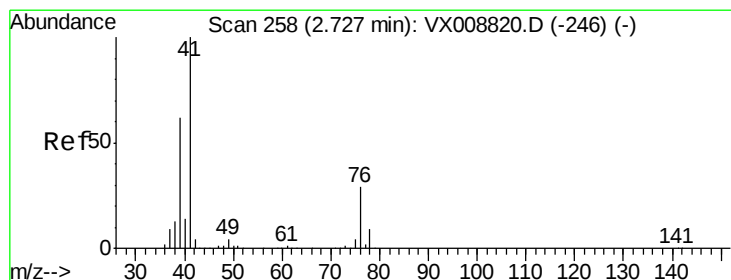
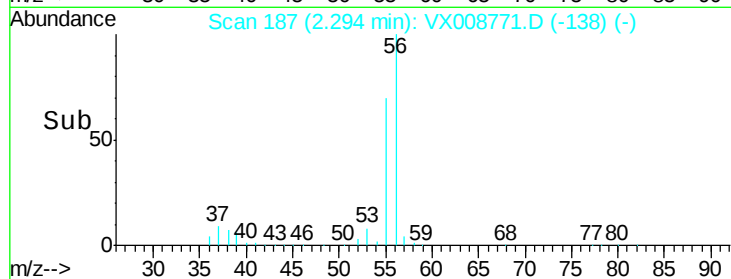
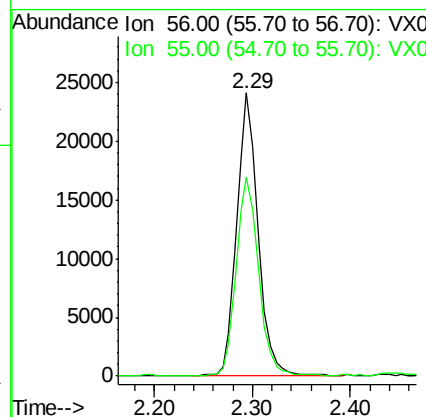
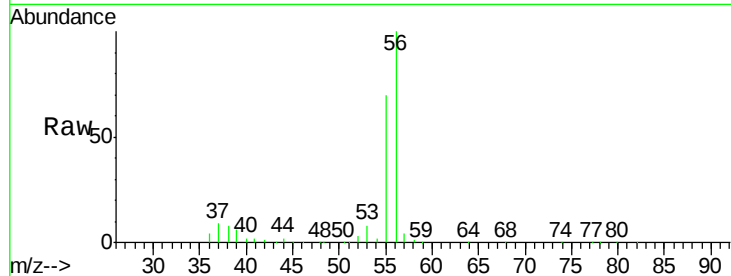
#13
Acrolein
Concen: 122.816 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion: 56 Resp: 36682
Ion Ratio Lower Upper
56 100
55 74.1 58.0 87.0

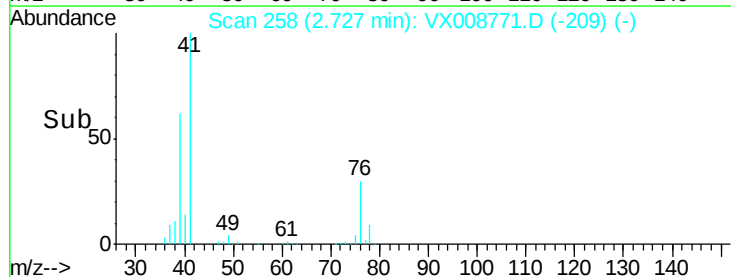
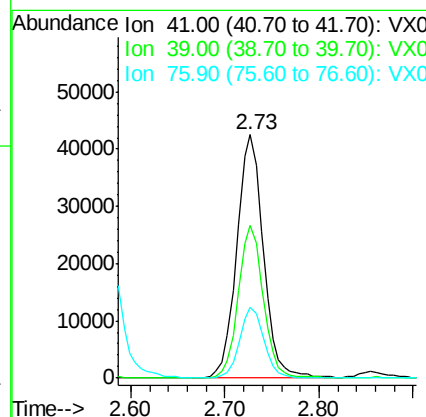
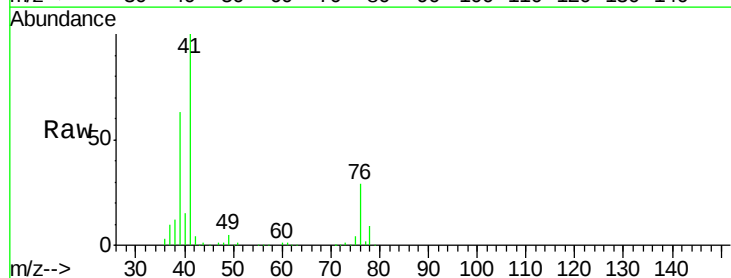
Manual Integrations
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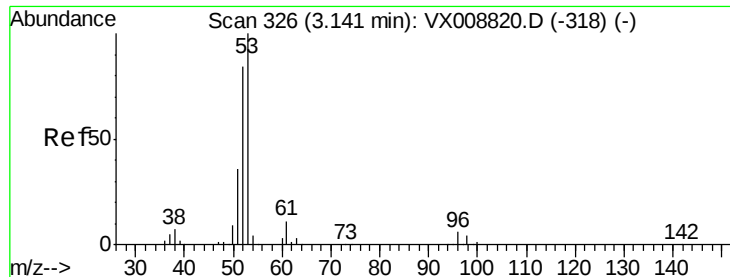
MMDadoda
4/10/2019 10:05:12 AM



#14
Allyl chloride
Concen: 17.795 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion: 41 Resp: 83077
Ion Ratio Lower Upper
41 100
39 58.9 48.0 72.0
76 26.8 22.0 33.0





#15

Acrylonitrile

Concen: 95.062 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

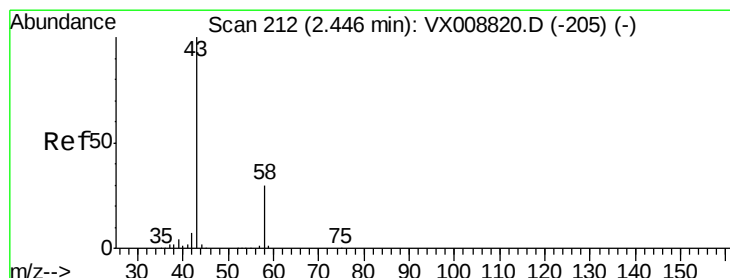
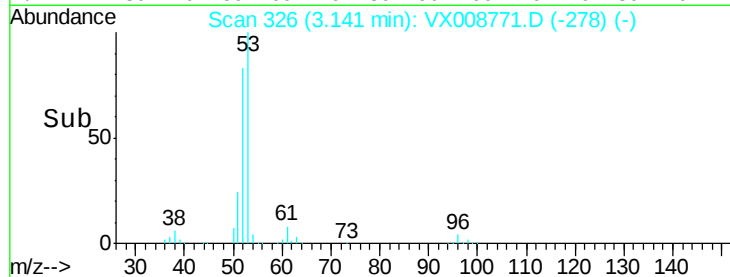
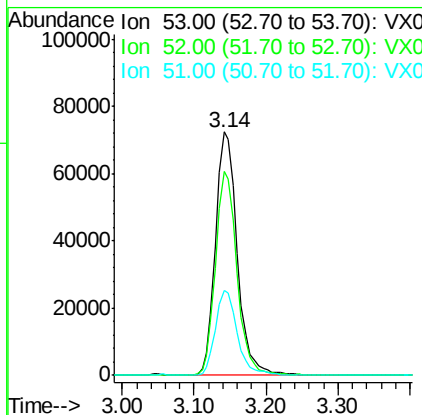
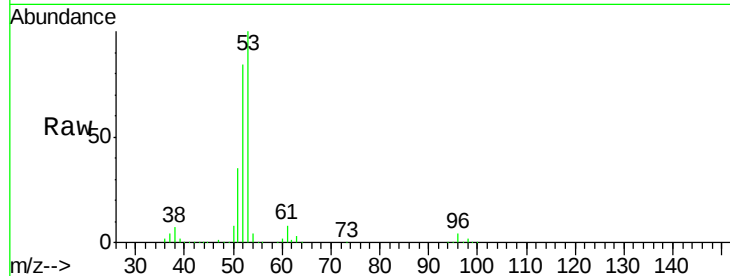
ClientSampleId :

VX0409MBS01

Tot Ion:	53	Resp:	151693
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.5	99.7
51	35.2	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 95.543 ug/l

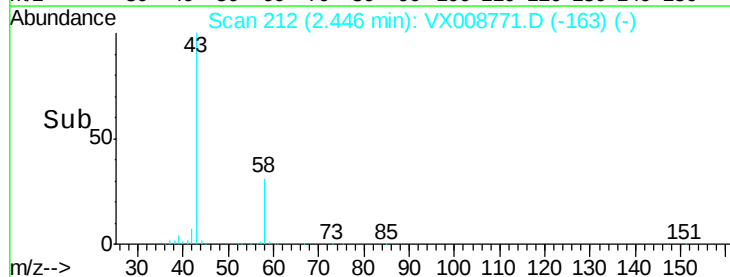
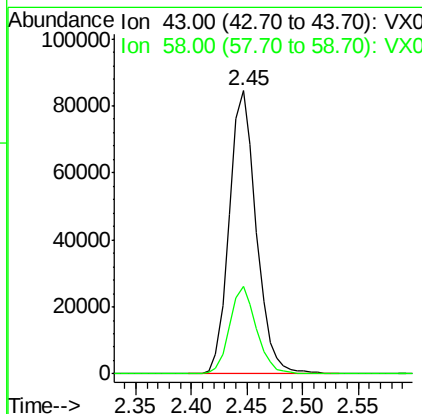
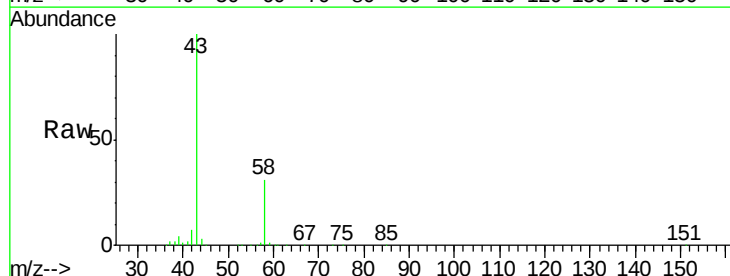
RT: 2.45 min Scan# 212

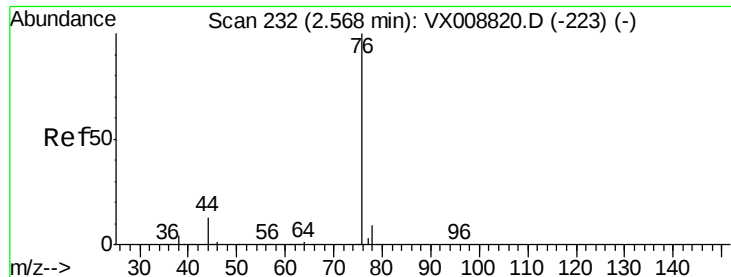
Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Tgt Ion:	43	Resp:	141587
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.8	37.2





#17

Carbon Disulfide

Concen: 15.157 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion: 76 Resp: 92295

Ion Ratio Lower Upper

76 100

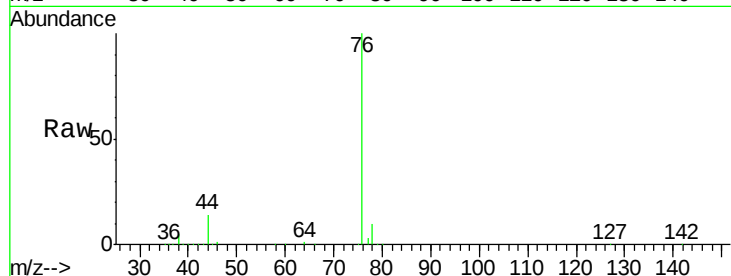
78 9.9 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

50000

40000

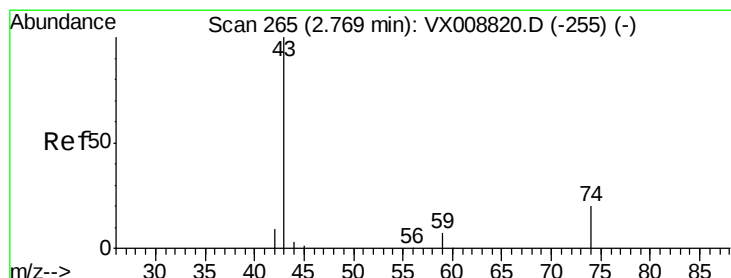
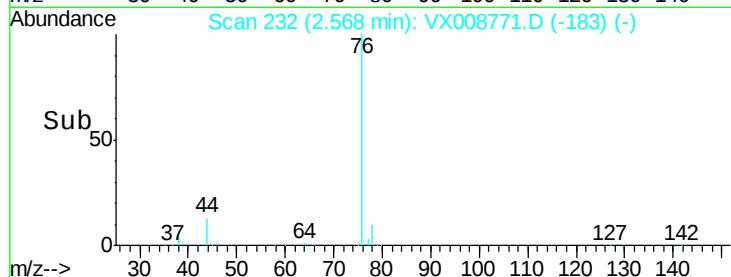
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 19.645 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008771.D

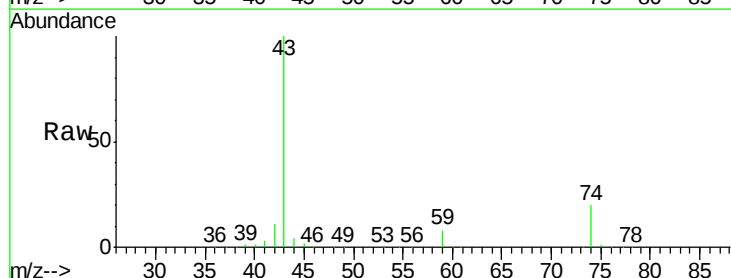
Acq: 09 Apr 2019 15:25

Tgt Ion: 43 Resp: 70606

Ion Ratio Lower Upper

43 100

74 20.4 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

40000

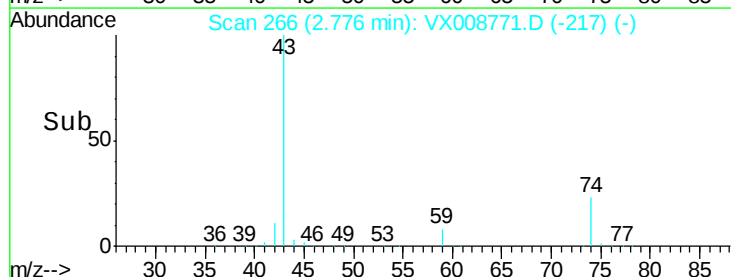
30000

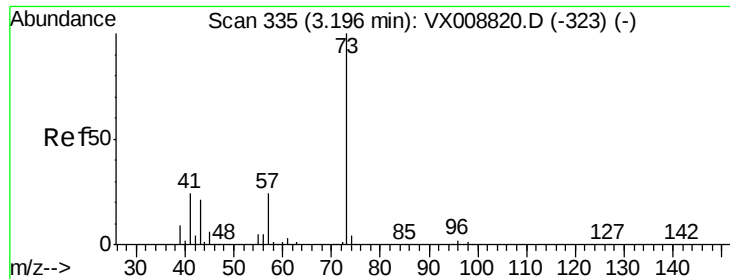
20000

10000

0

Time-->





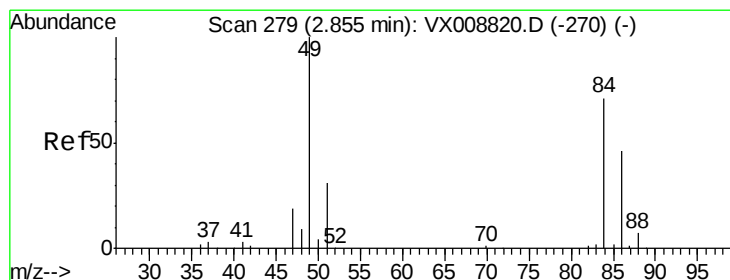
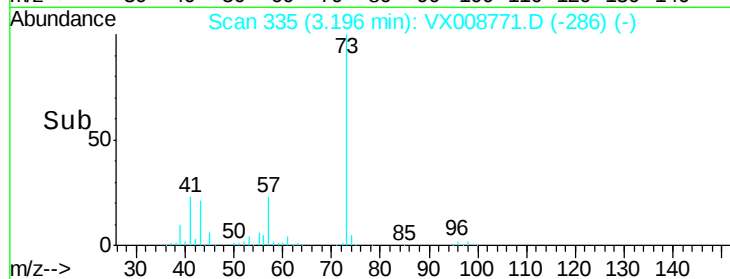
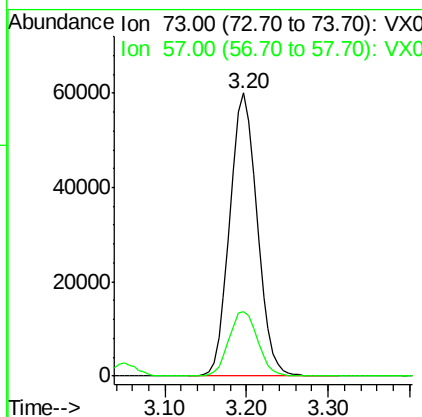
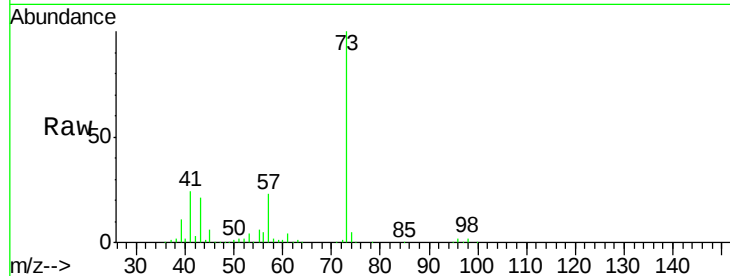
#19
Methvl tert-butvl Ether
Concen: 19.110 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.5	29.3

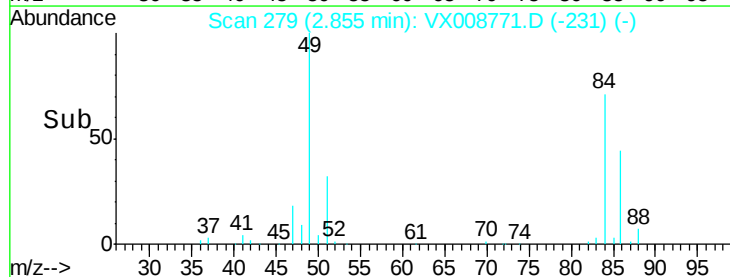
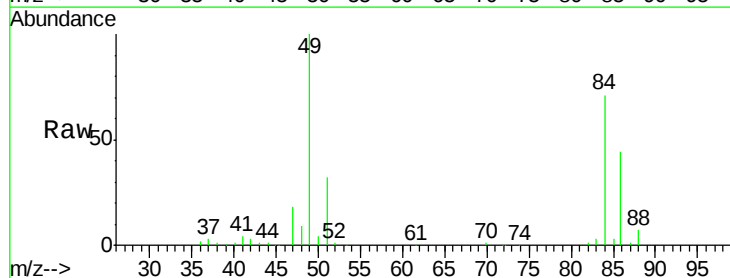
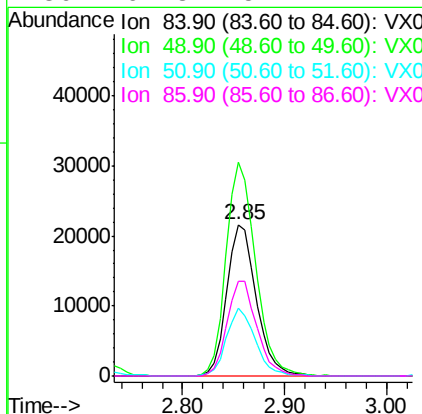
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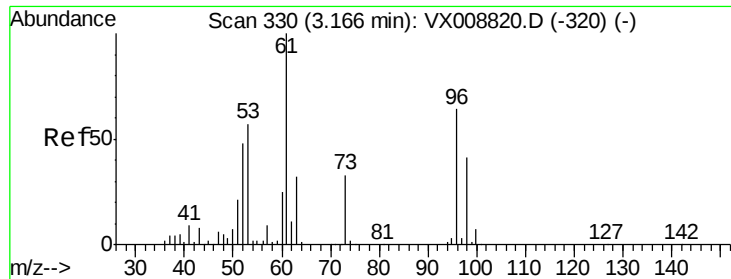
MMDadoda
4/10/2019 10:05:12 AM



#20
Methylene Chloride
Concen: 17.425 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.9	109.7	164.5
51	44.5	33.6	50.4
86	62.3	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 16.966 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

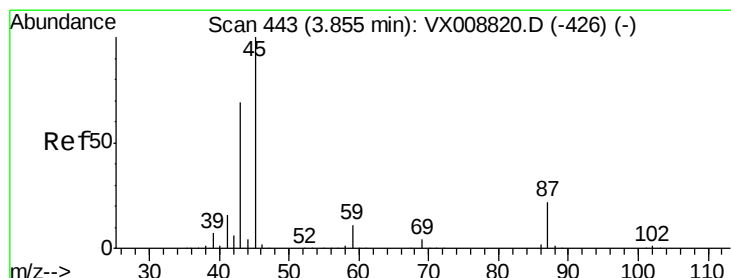
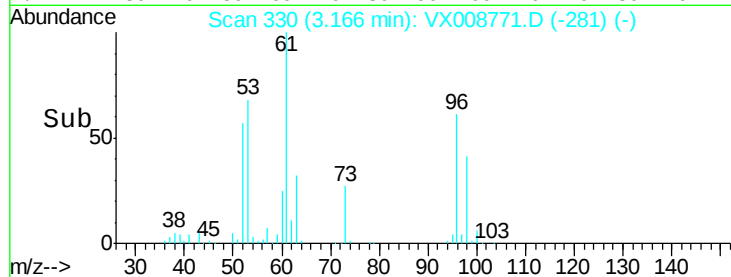
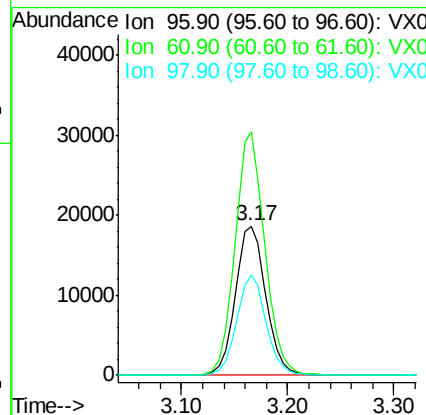
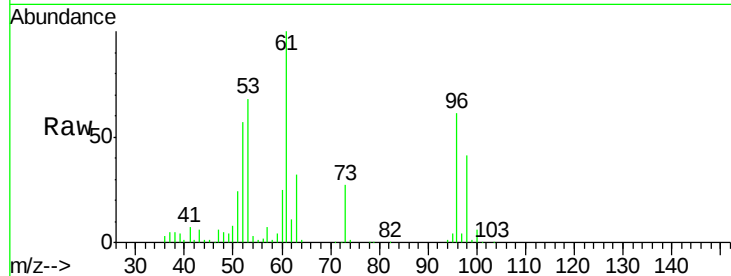
ClientSampleId :

VX0409MBS01

Tot Ion:	96	Resp:	37426
Ion	Ratio	Lower	Upper
96	100		
61	163.1	132.1	198.1
98	66.9	52.2	78.2

Manual Integrations
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MMDadoda
4/10/2019 10:05:12 AM



#22

Diisopropyl ether

Concen: 18.880 ug/l

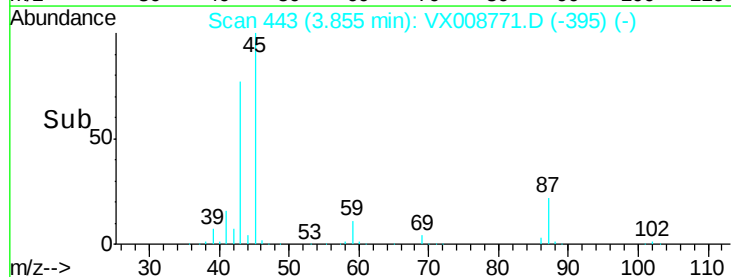
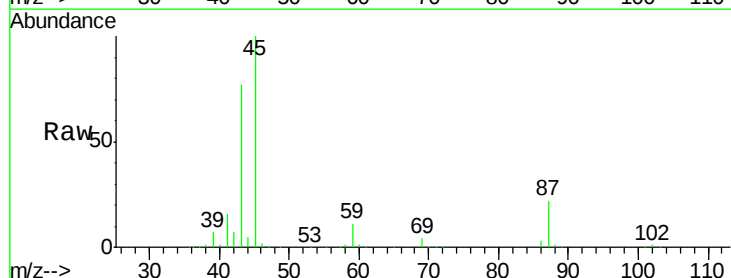
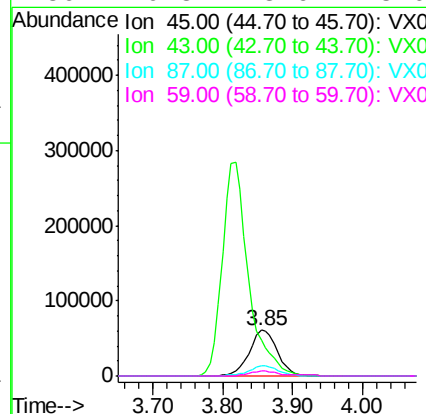
RT: 3.85 min Scan# 443

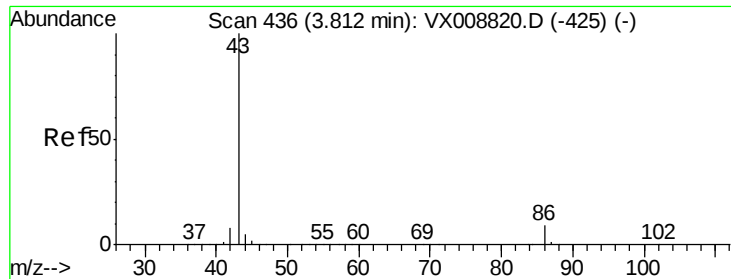
Delta R.T. -0.01 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Tgt Ion:	45	Resp:	169887
Ion	Ratio	Lower	Upper
45	100		
43	76.7	51.3	76.9
87	22.1	18.1	27.1
59	10.8	8.6	13.0





#23

Vinyl Acetate

Concen: 94.888 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion: 43 Resp: 742773

Ion Ratio Lower Upper

43 100

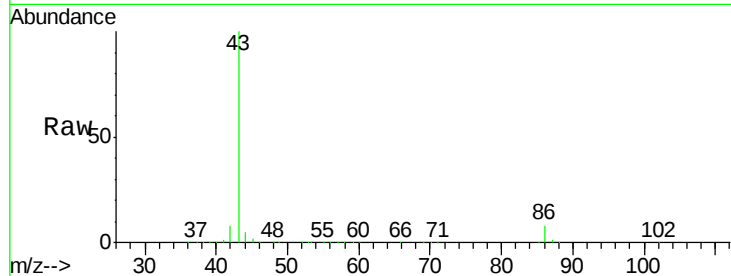
86 8.3 7.0 10.6

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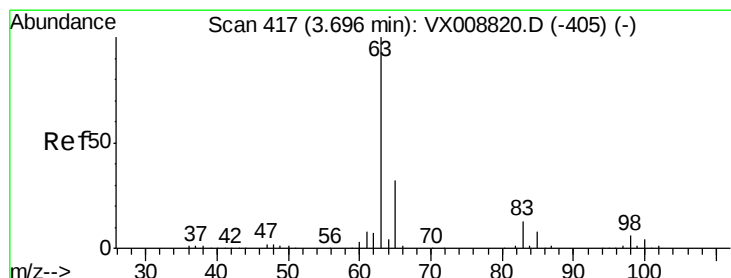
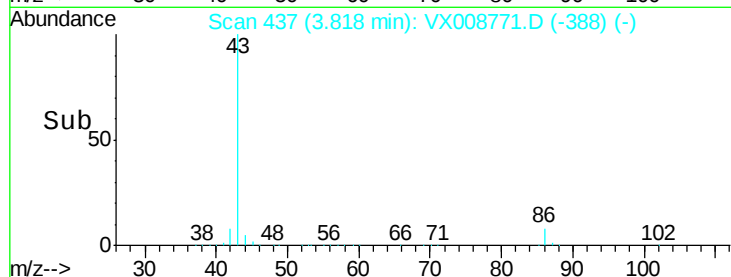
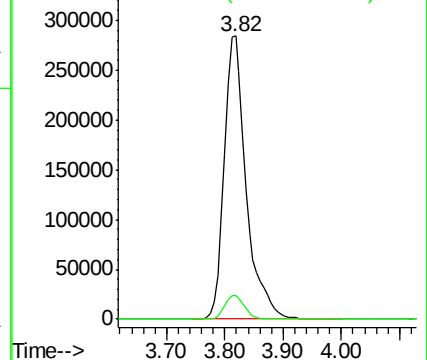
MMDadoda

4/10/2019 10:05:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.235 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

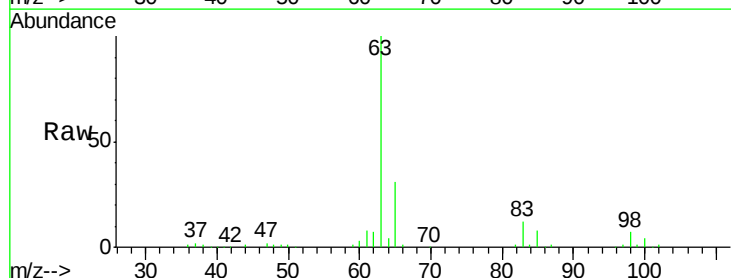
Tgt Ion: 63 Resp: 81241

Ion Ratio Lower Upper

63 100

98 7.0 2.8 8.4

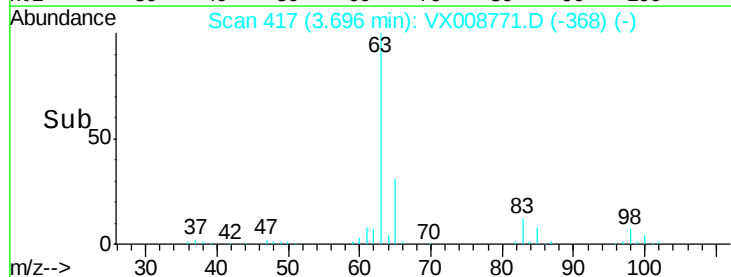
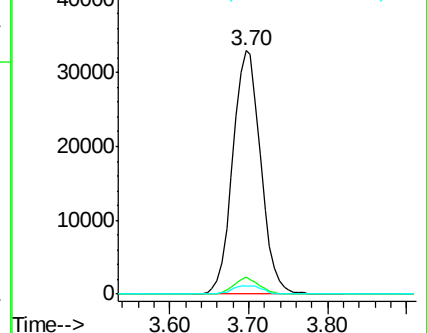
100 3.5 1.8 5.5

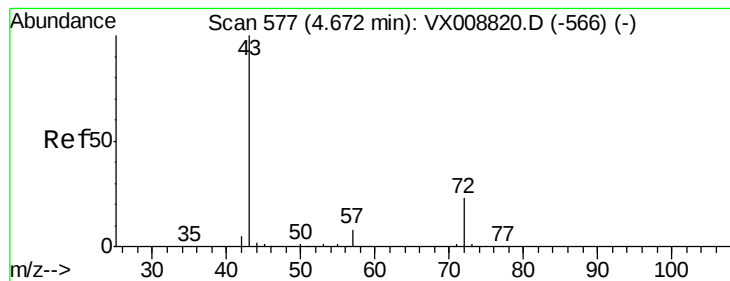


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 98.194 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion: 43 Resp: 229991

Ion Ratio Lower Upper

43 100

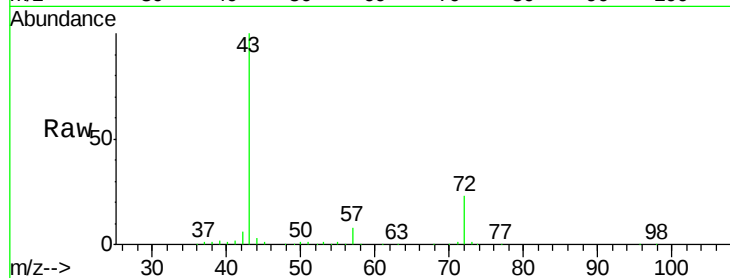
72 22.5 18.2 27.4

Manual Integrations

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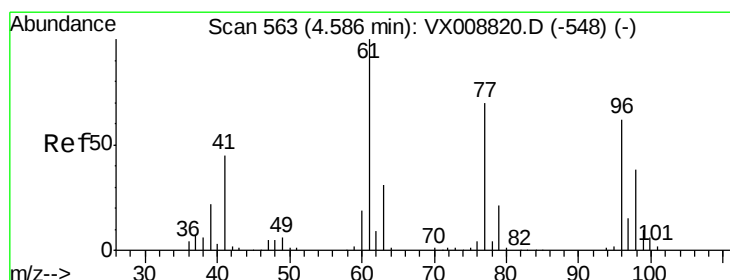
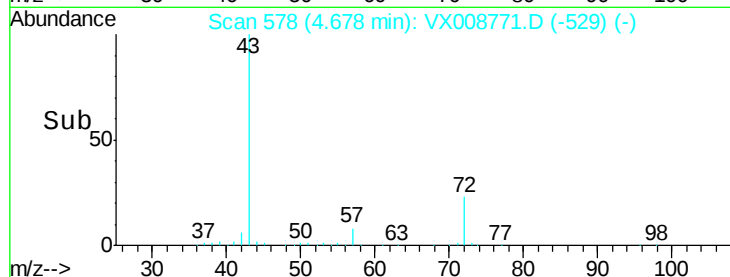
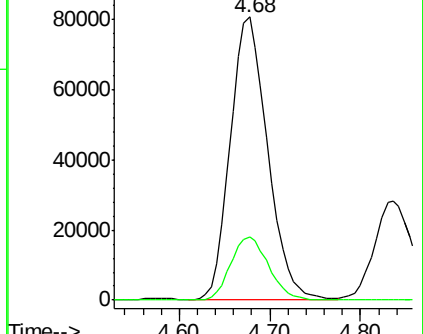
MMDadoda

4/10/2019 10:05:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.849 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008771.D

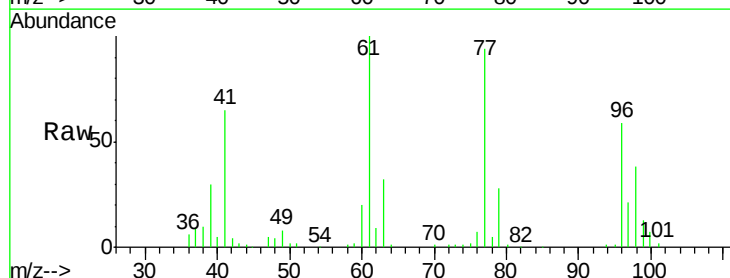
Acq: 09 Apr 2019 15:25

Tgt Ion: 77 Resp: 56007

Ion Ratio Lower Upper

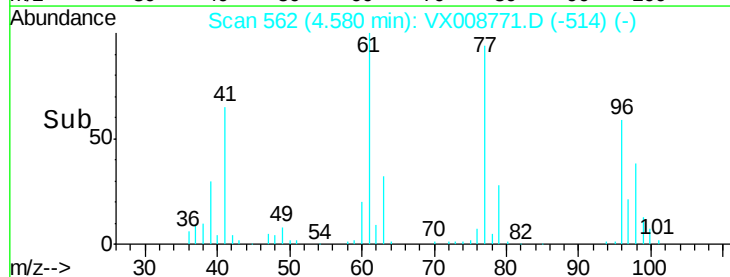
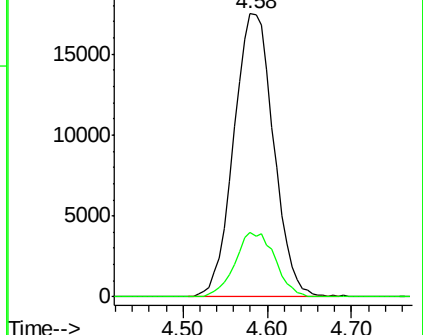
77 100

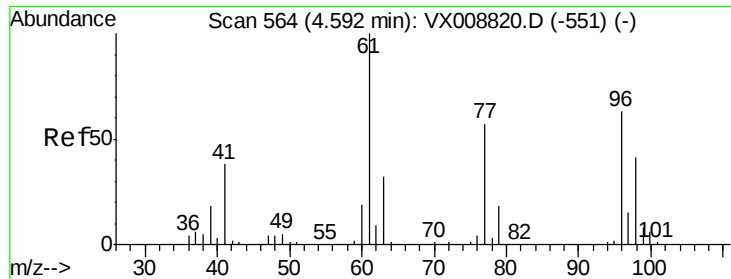
97 22.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

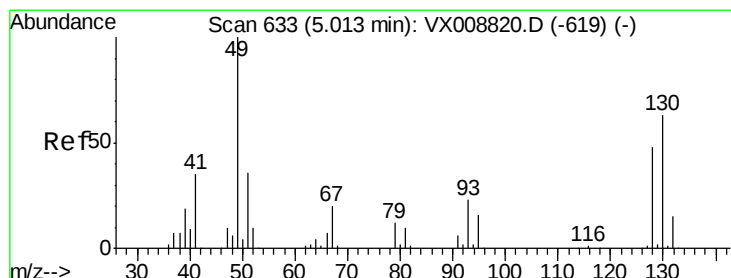
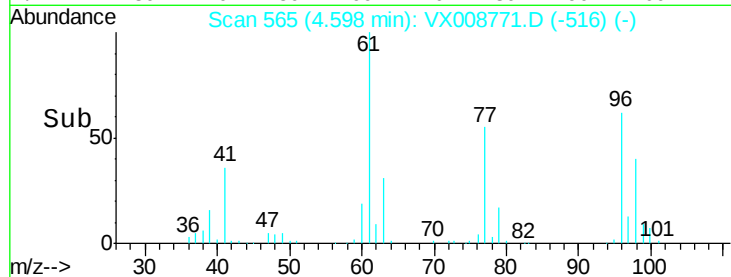
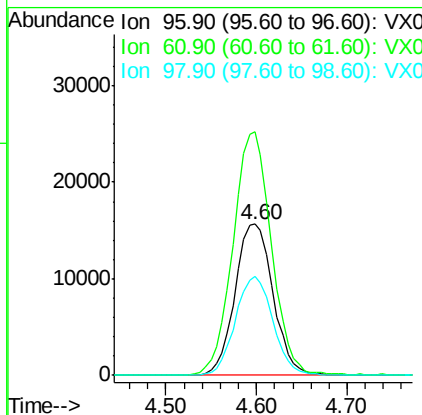
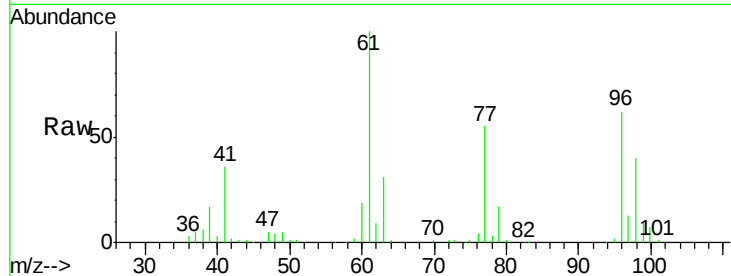
cis-1,2-Dichloroethene
Concen: 17.970 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	327.6
98	64.7	0.0	128.6

Manual Integrations
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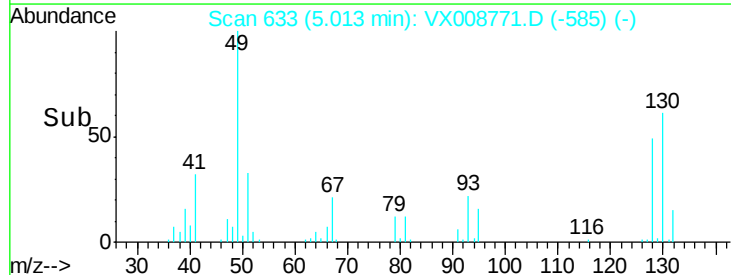
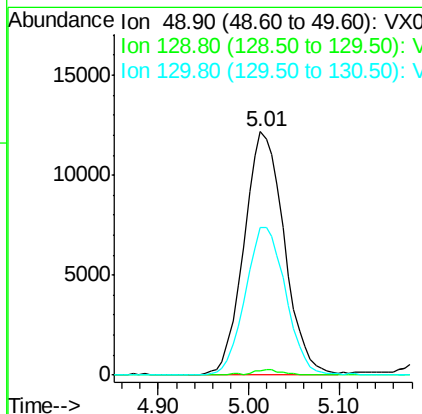
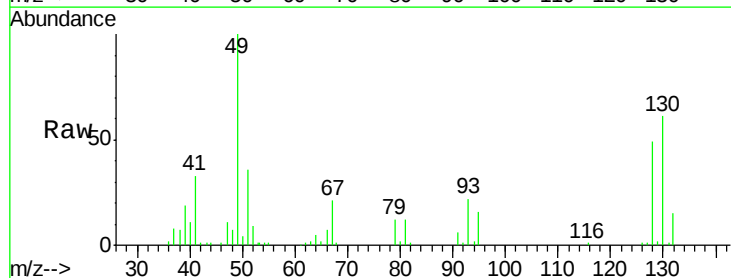
MMDadoda
4/10/2019 10:05:12 AM

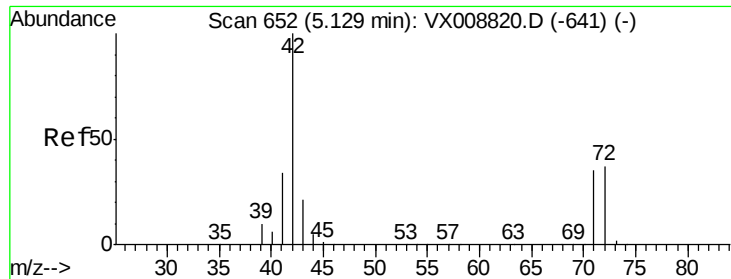


#28

Bromochloromethane
Concen: 18.200 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	60.9	49.3	73.9





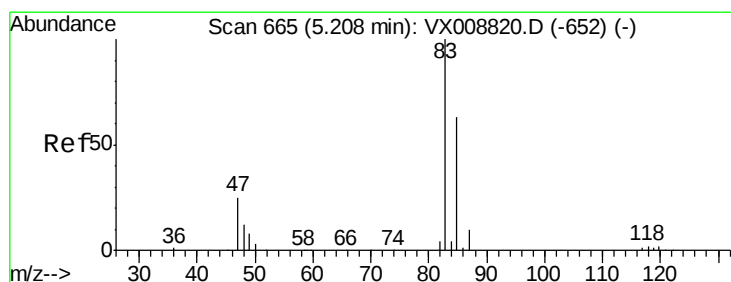
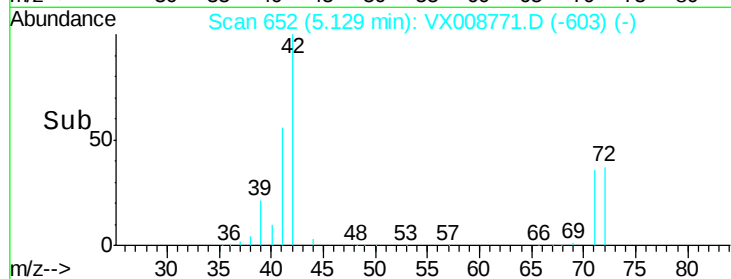
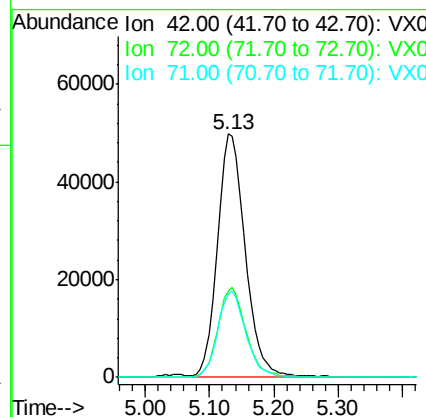
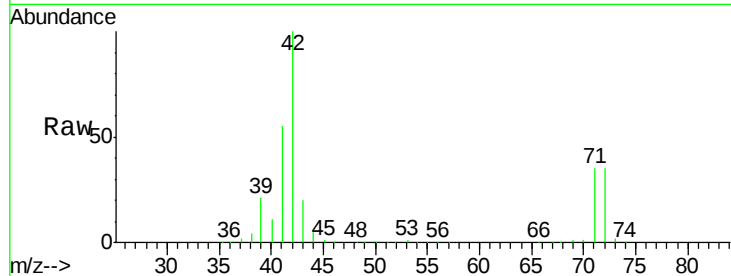
#29
Tetrahydrofuran
Concen: 96.906 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.5	45.7
71	35.7	28.6	43.0

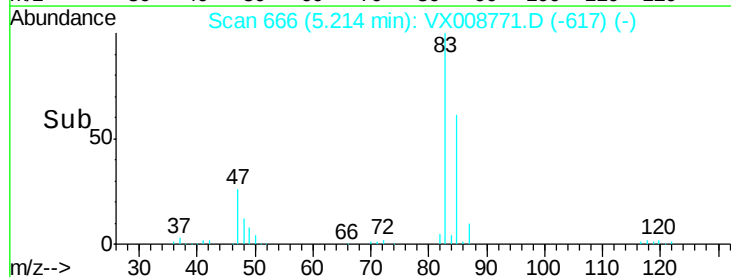
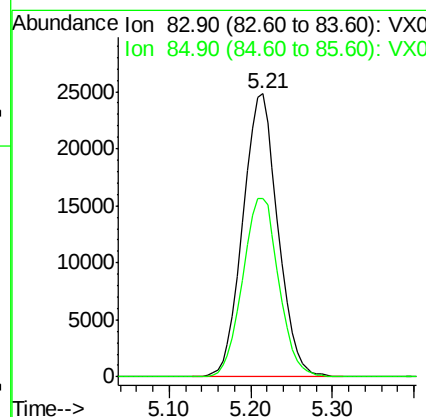
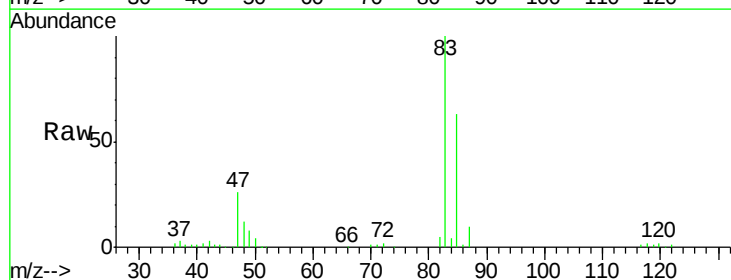
Manual Integrations
APPROVED

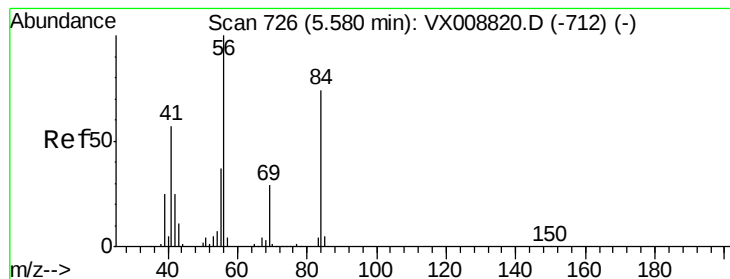
MMDadoda
4/10/2019 10:05:12 AM



#30
Chloroform
Concen: 18.591 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.1	78.1





#31

Cyclohexane

Concen: 16.925 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

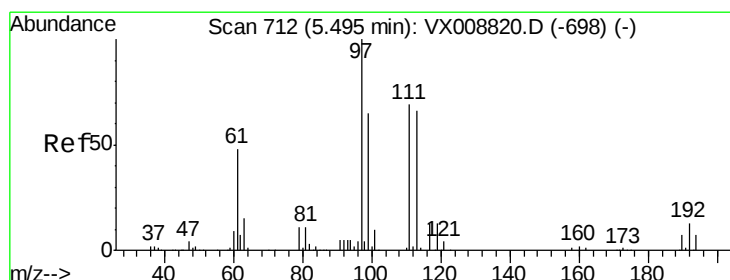
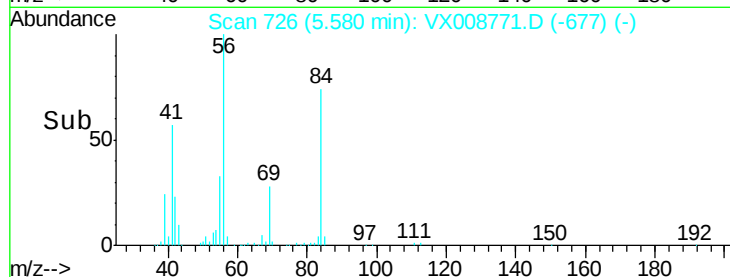
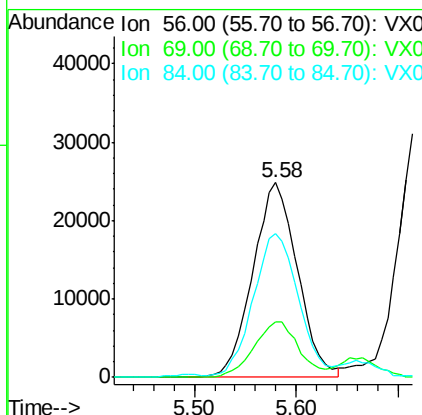
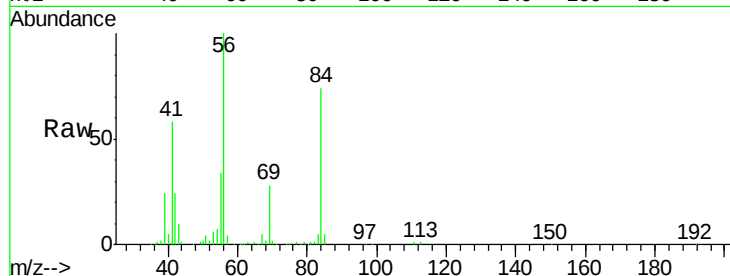
ClientSampleId :

VX0409MBS01

Tot Ion:	56	Resp:	75237
Ion	Ratio	Lower	Upper
56	100		
69	28.3	22.6	33.8
84	72.7	59.3	88.9

Manual Integrations
APPROVED

MMDadoda
4/10/2019 10:05:12 AM



#32

1,1,1-Trichloroethane

Concen: 18.165 ug/l

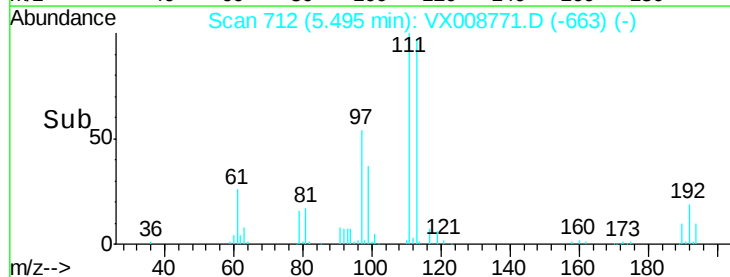
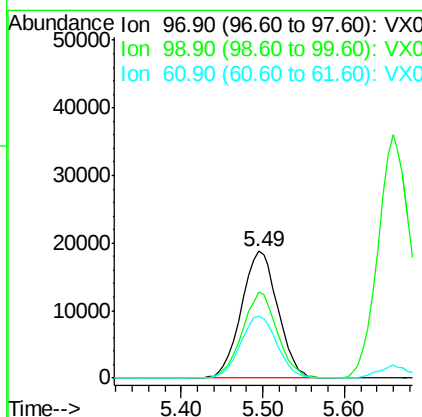
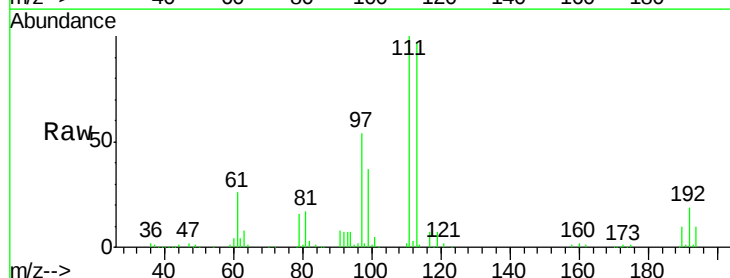
RT: 5.49 min Scan# 712

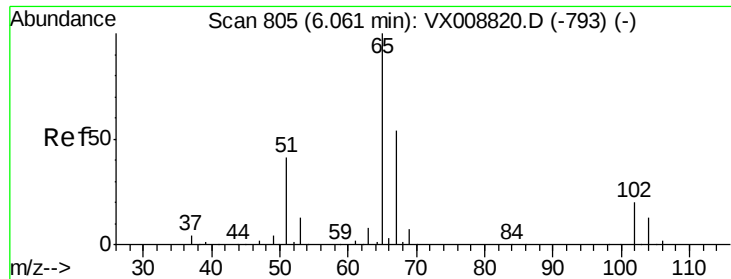
Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Tgt Ion:	97	Resp:	58409
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	49.6	38.9	58.3





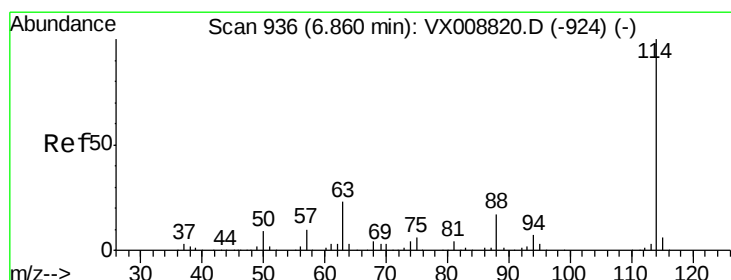
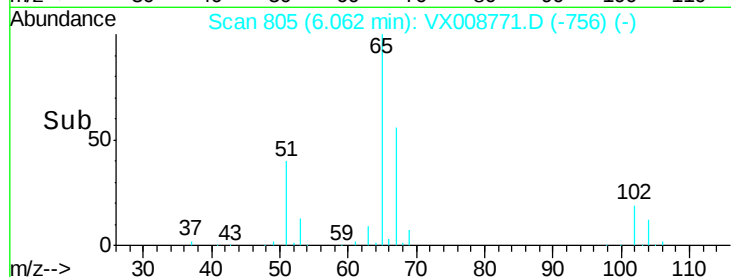
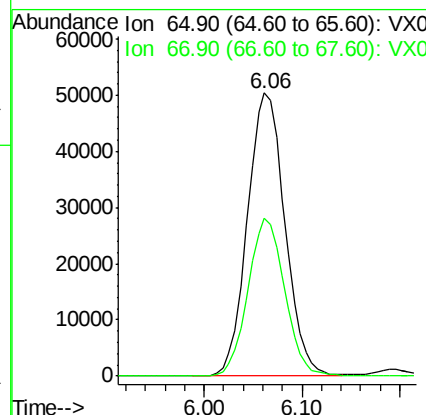
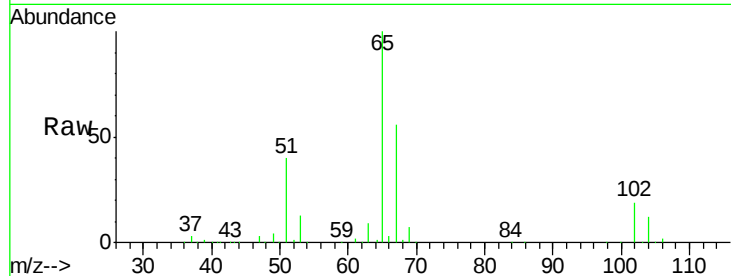
#33
 1,2-Dichloroethane-d4
 Concen: 52.090 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134021		
67	54.7	0.0	107.2	

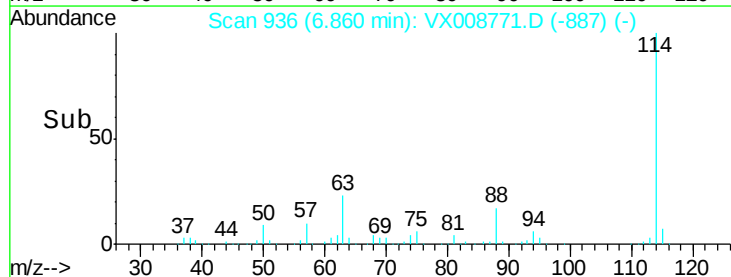
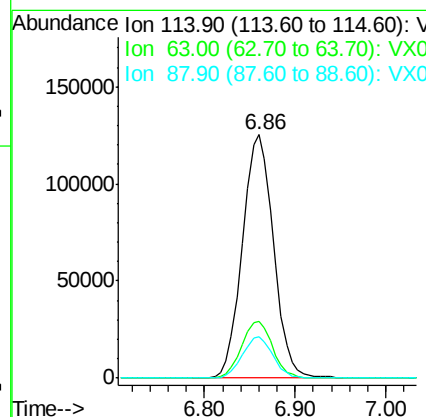
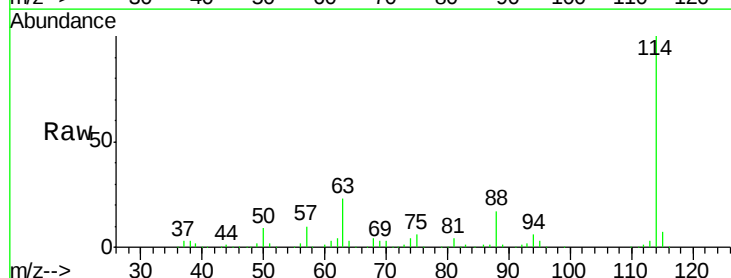
Manual Integrations
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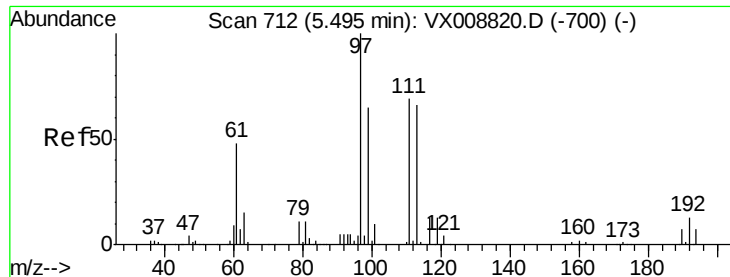
MMDadoda
 4/10/2019 10:05:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	297806		
63	23.0	0.0	47.2	
88	16.9	0.0	34.0	





#35

Dibromofluoromethane

Concen: 51.628 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

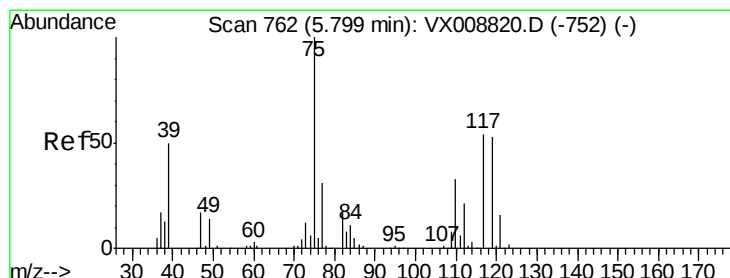
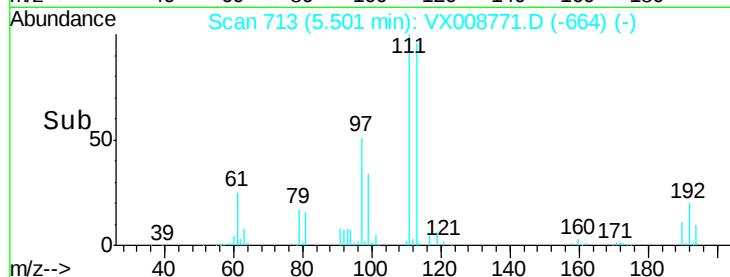
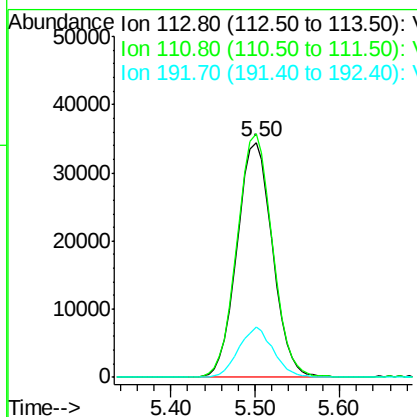
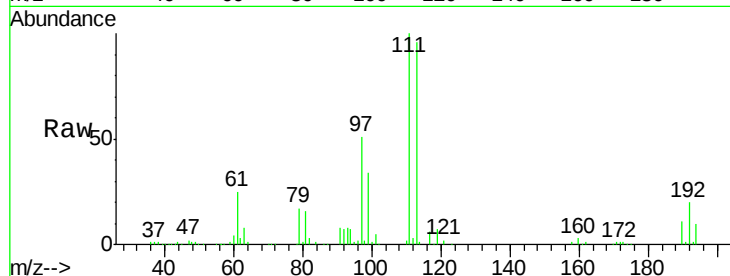
ClientSampleId :

VX0409MBS01

Tot Ion:	113	Resp:	98303
Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.4	125.2
192	20.7	16.1	24.1

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4/10/2019 10:05:12 AM



#36

1,1-Dichloropropene

Concen: 16.931 ug/l

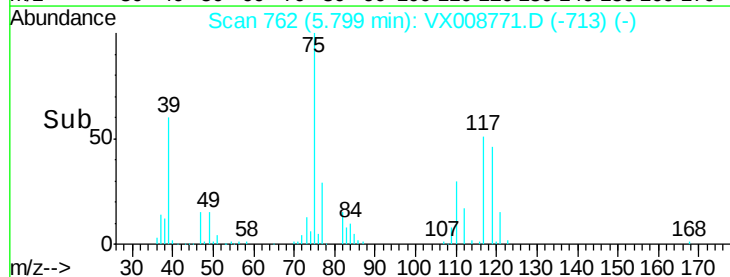
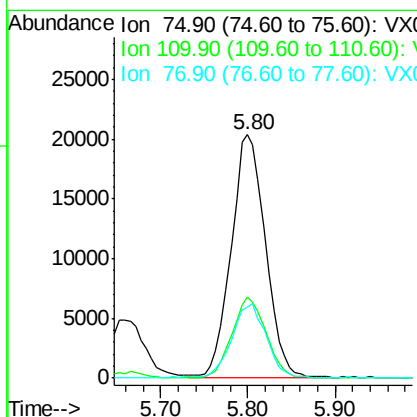
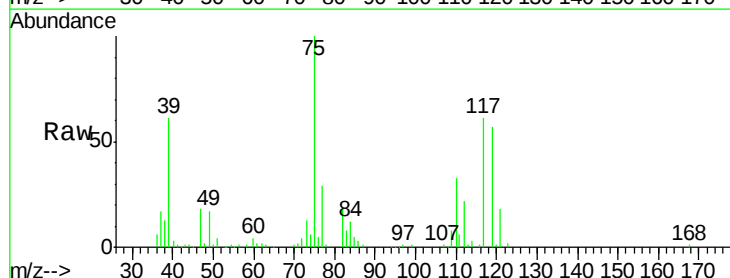
RT: 5.80 min Scan# 762

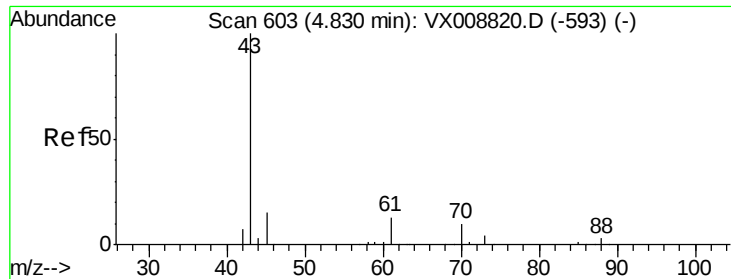
Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Tgt Ion:	75	Resp:	55115
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.4	49.2
77	31.0	24.7	37.1





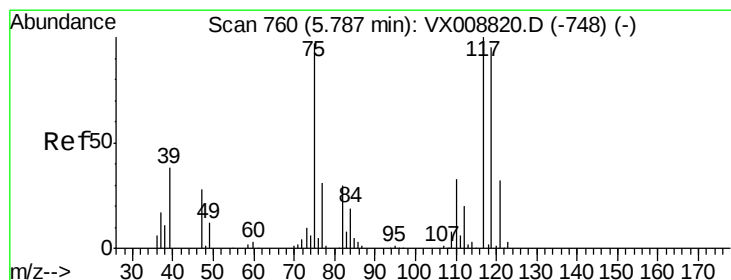
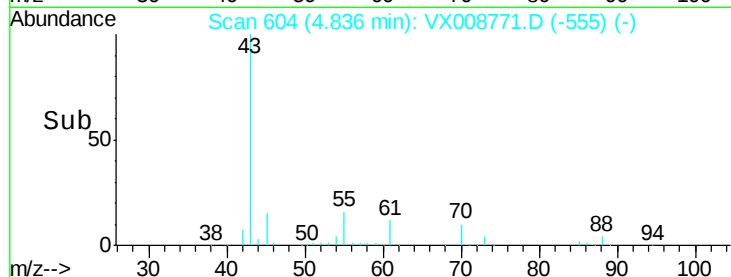
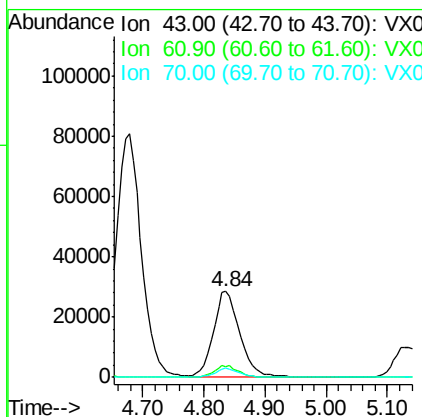
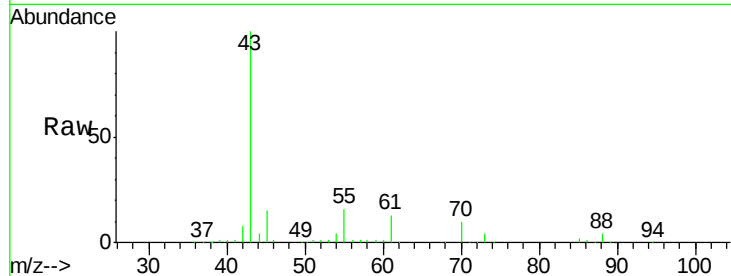
#37
Ethyl Acetate
Concen: 19.518 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampled :
VX0409MBS01

Tot Ion	43	Resp	84810
Ion Ratio	100	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	9.9	7.6	11.4

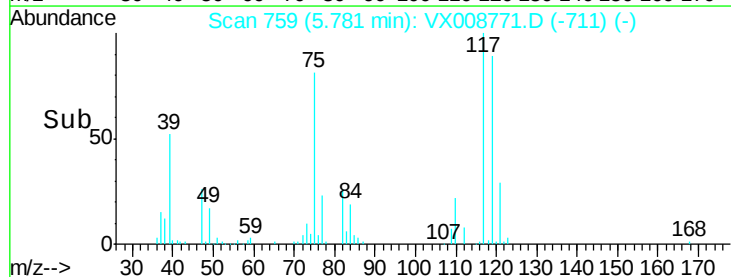
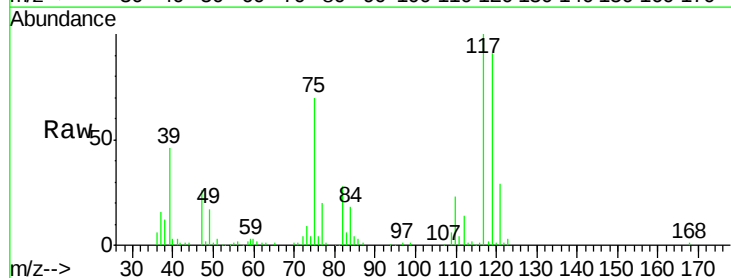
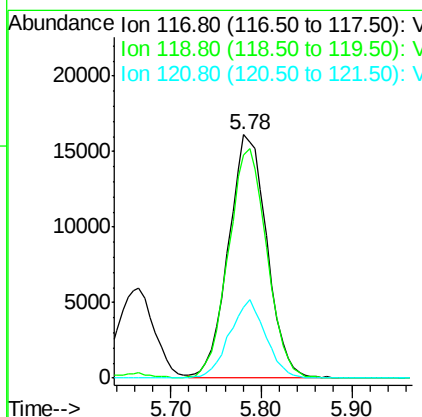
Manual Integrations
APPROVED

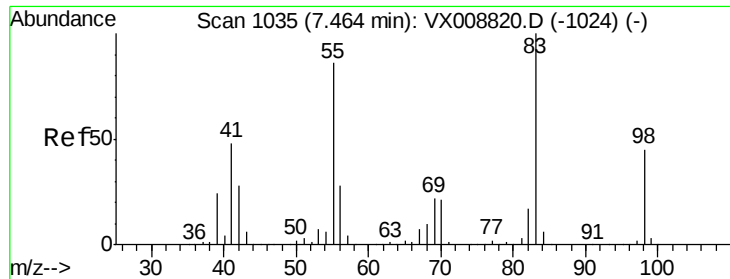
MMDadoda
4/10/2019 10:05:12 AM



#38
Carbon Tetrachloride
Concen: 17.601 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	117	Resp	47422
Ion Ratio	100	Lower	Upper
117	100		
119	91.4	75.0	112.6
121	29.1	24.3	36.5





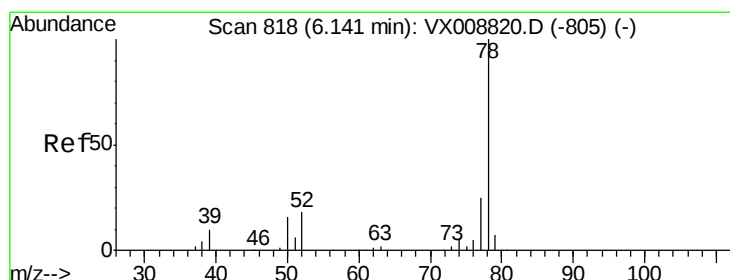
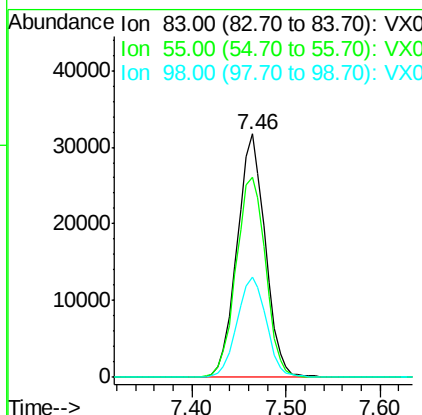
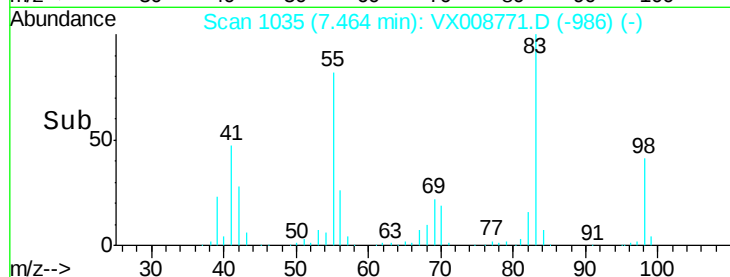
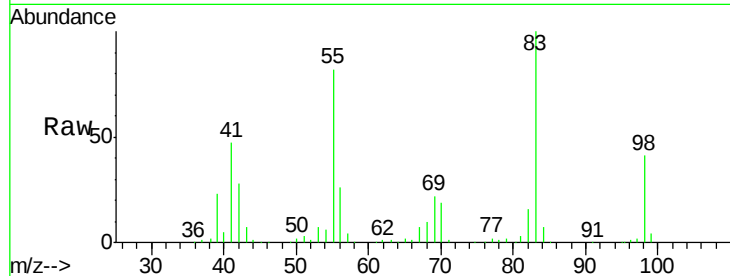
#39
Methvlcvclohexane
Concen: 16.512 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion	83	Resp	66400
Ion Ratio	100	Lower	Upper
83	100		
55	82.2	69.0	103.6
98	41.1	34.4	51.6

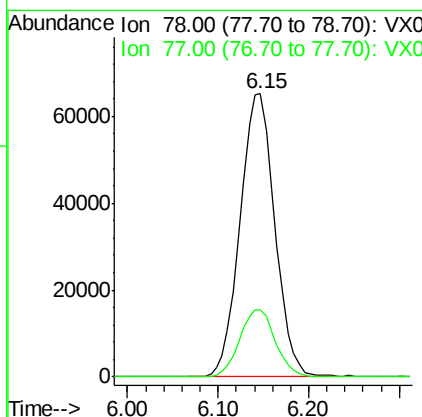
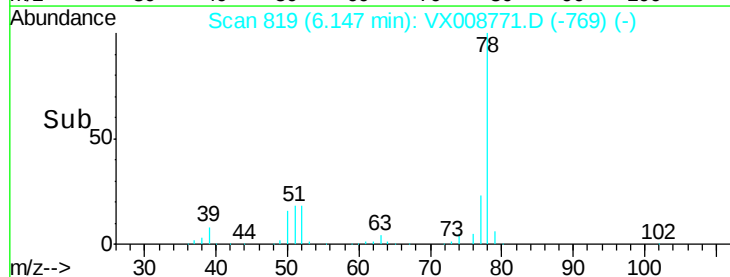
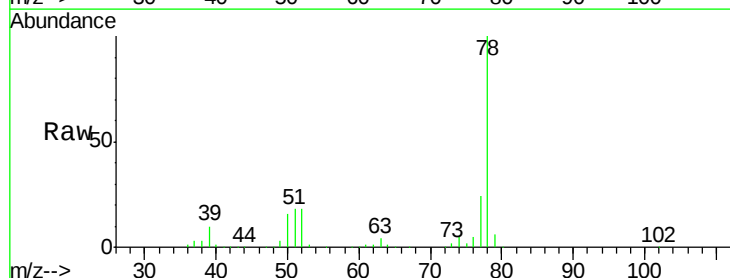
Manual Integrations
APPROVED

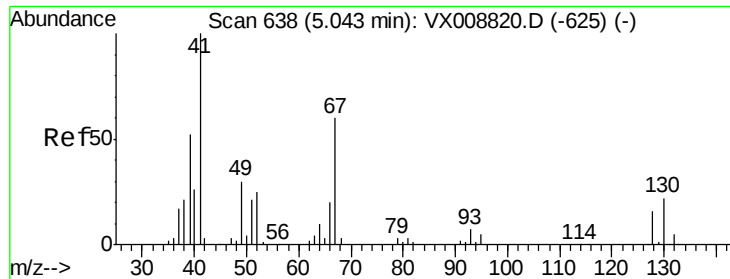
MMDadoda
4/10/2019 10:05:12 AM



#40
Benzene
Concen: 17.867 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	78	Resp	173278
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.1	28.7





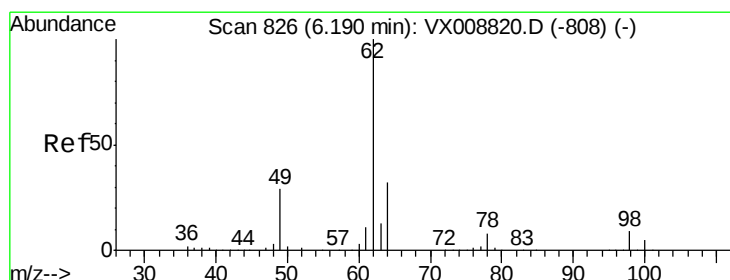
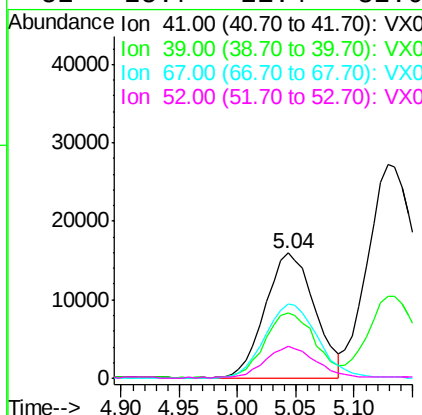
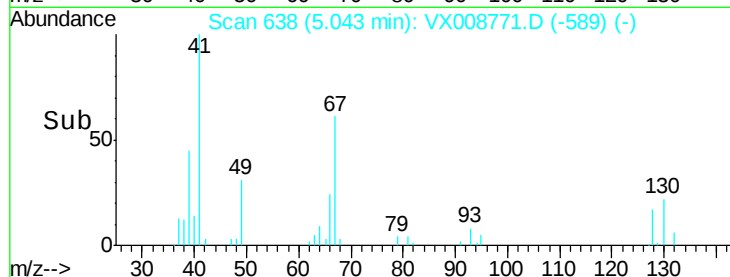
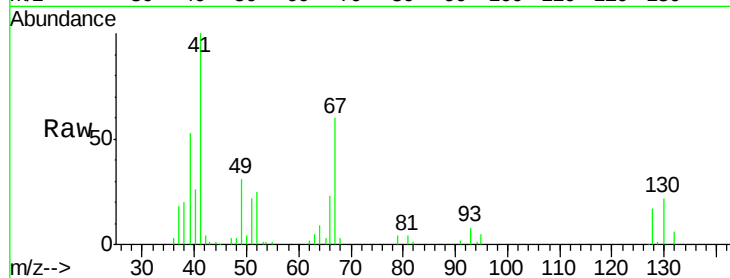
#41
Methacrylonitrile
Concen: 18.799 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	42.1	63.1	
67	63.6	51.0	76.6	
52	25.7	21.4	32.0	

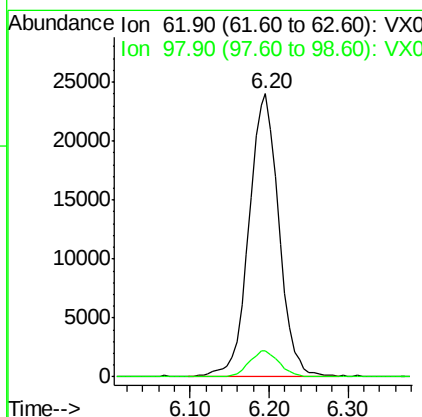
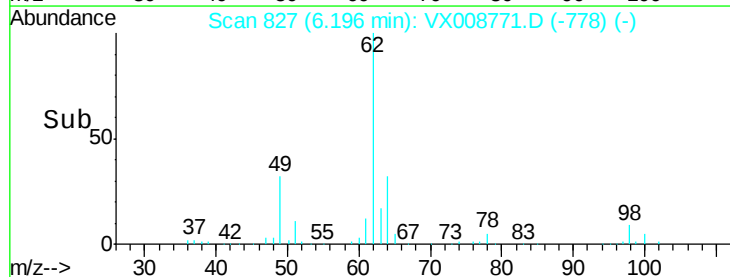
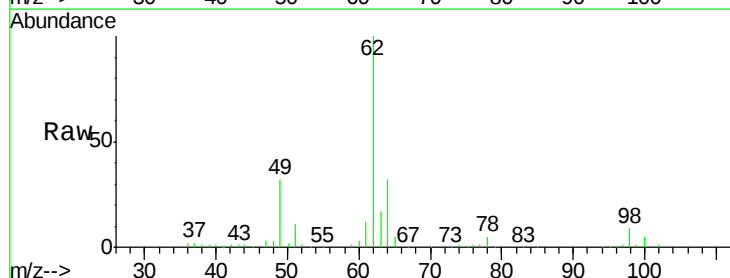
Manual Integrations
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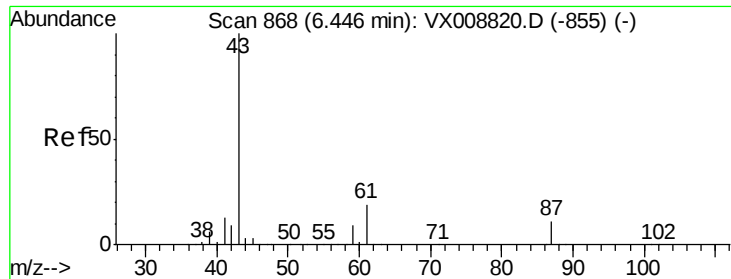
MMDadoda
4/10/2019 10:05:12 AM



#42
1,2-Dichloroethane
Concen: 18.227 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.0	





#43

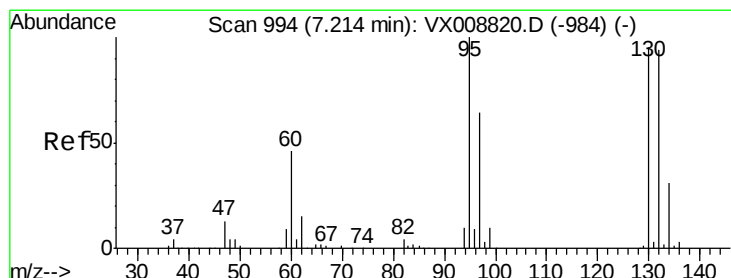
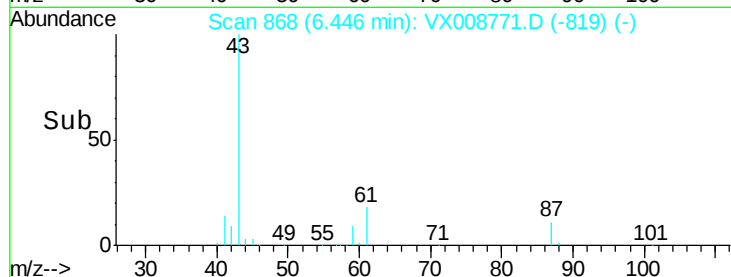
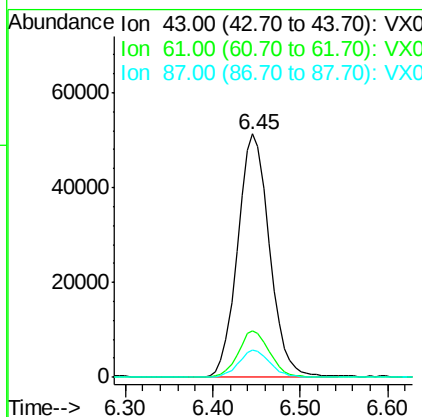
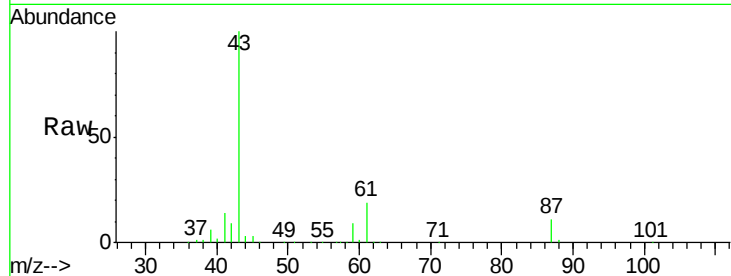
Isopropyl Acetate
 Concen: 18.963 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409MBS01

Tot Ion	43	61	87
Resp	129076		
Ratio	100	19.1	11.1
Lower		15.3	9.0
Upper		22.9	13.6

Manual Integrations
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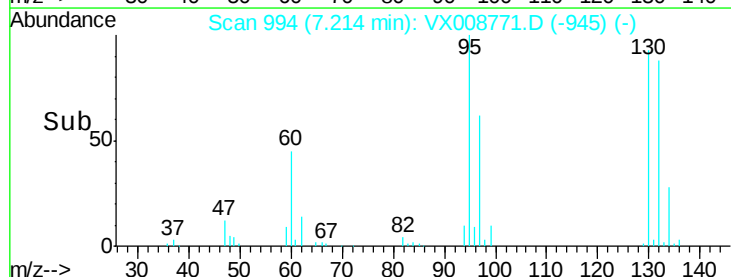
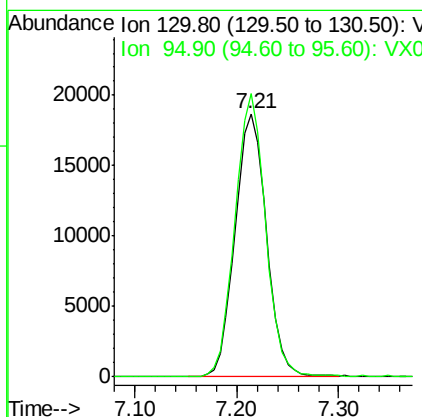
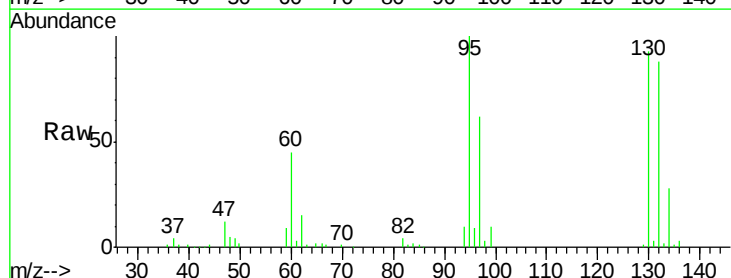
MMDadoda
 4/10/2019 10:05:12 AM

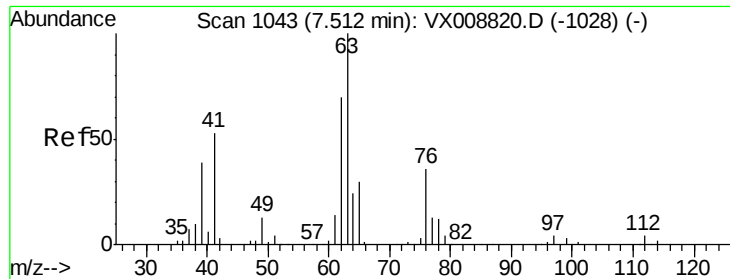


#44

Trichloroethene
 Concen: 17.666 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Tgt Ion	130	95
Resp	39902	
Ratio	100	107.6
Lower		0.0
Upper		209.8





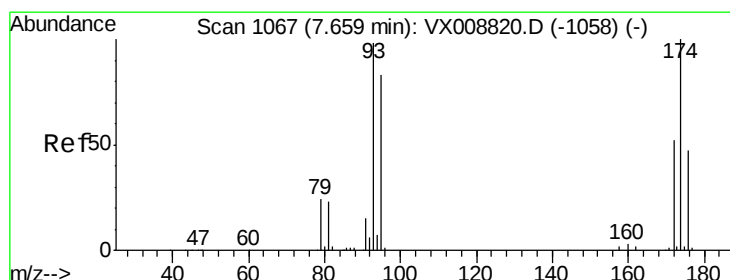
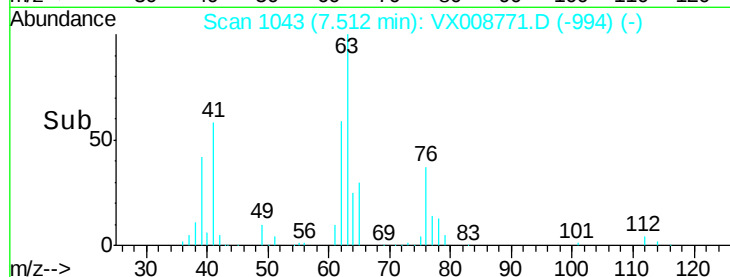
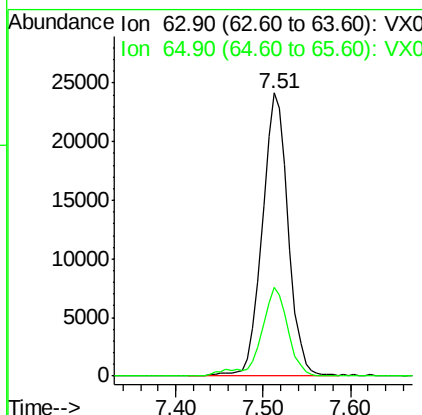
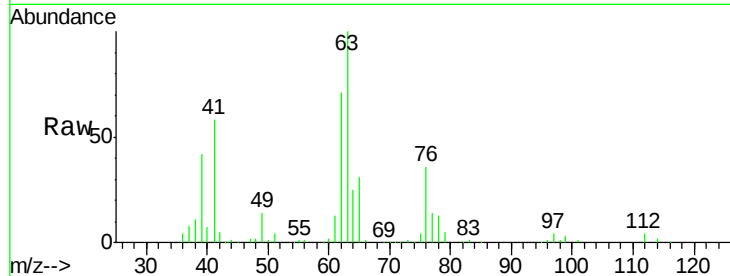
#45
 1,2-Dichloropropane
 Concen: 18.095 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409MBS01

Tot Ion: 63 Resp: 50087
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.2 36.4

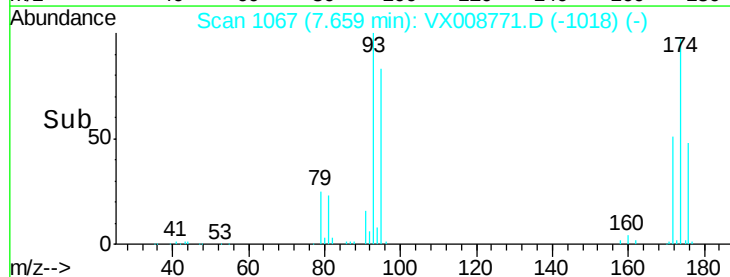
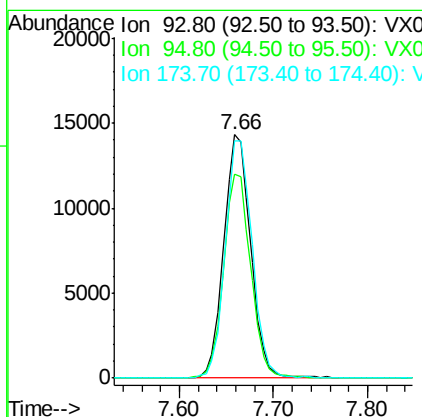
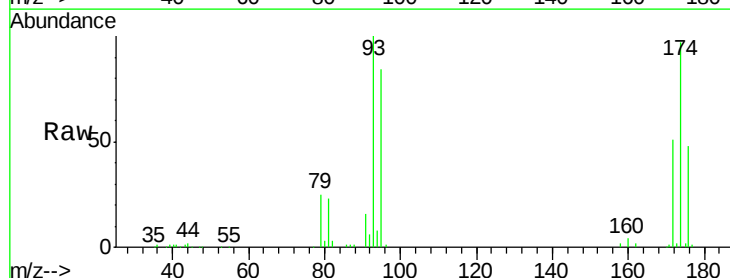
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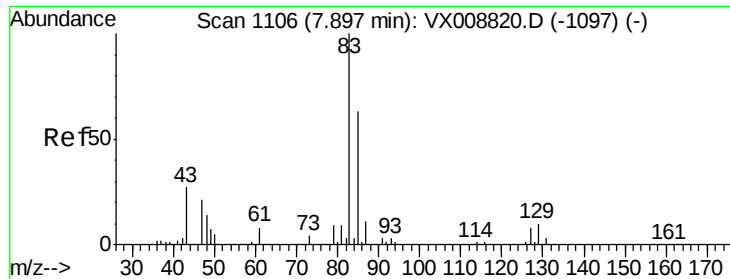
MMDadoda
 4/10/2019 10:05:12 AM



#46
 Dibromomethane
 Concen: 17.635 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Tgt Ion: 93 Resp: 28311
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 99.8
 174 97.5 77.7 116.5





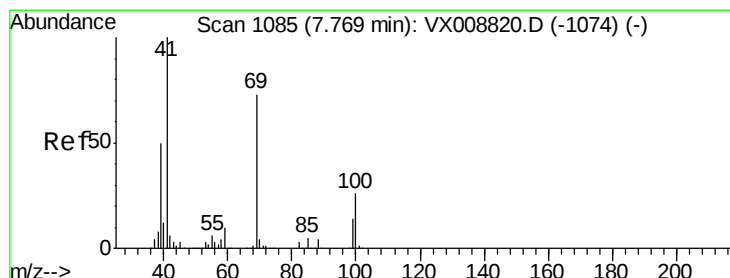
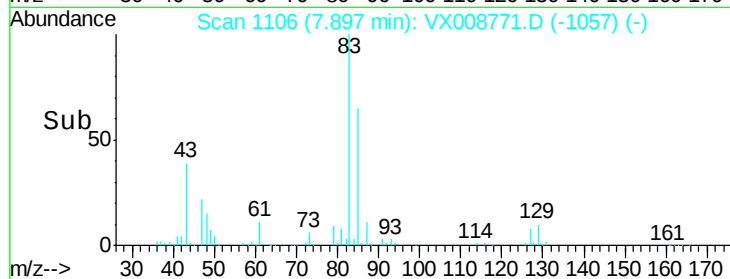
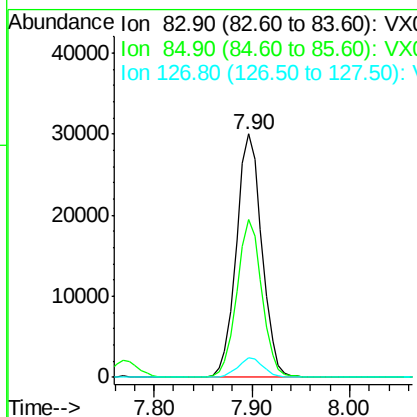
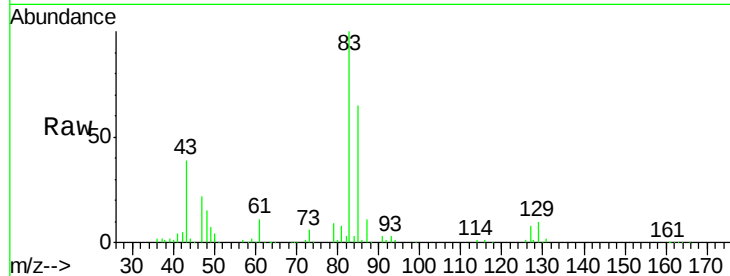
#47
Bromodichloromethane
Concen: 17.959 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion	83	Resp	54361
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.2	76.8
127	8.2	6.6	10.0

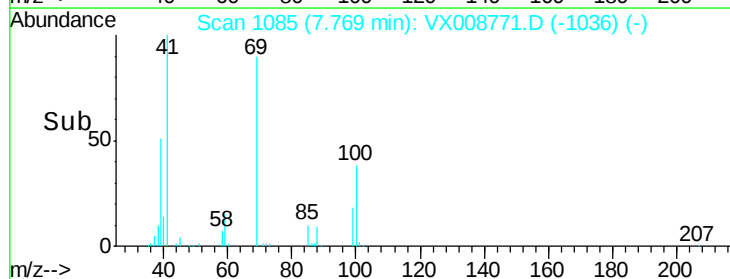
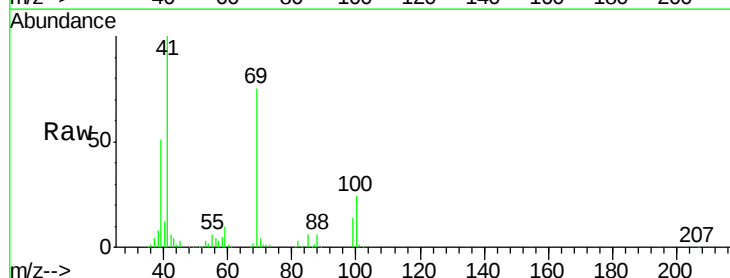
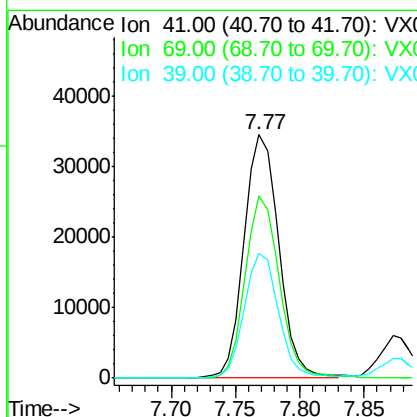
Manual Integrations
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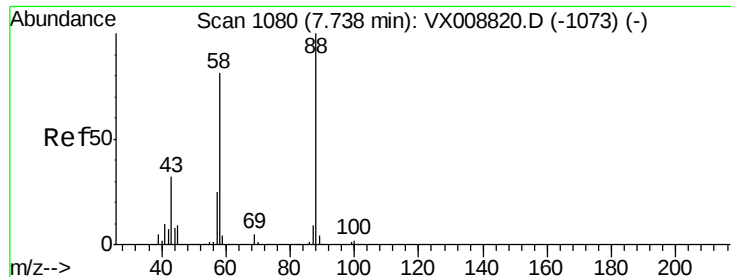
MMDadoda
4/10/2019 10:05:12 AM



#48
Methyl methacrylate
Concen: 18.825 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	41	Resp	64819
Ion Ratio	100	Lower	Upper
41	100		
69	73.5	59.0	88.4
39	49.8	41.0	61.4





#49

1,4-Dioxane

Concen: 366.416 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

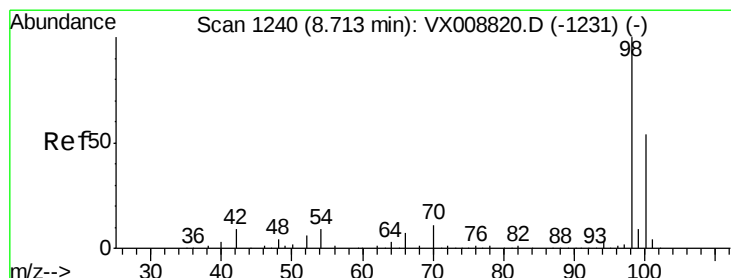
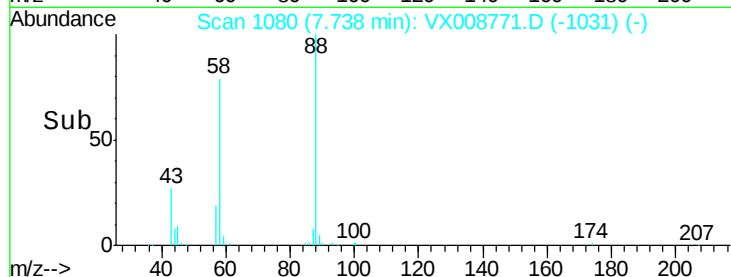
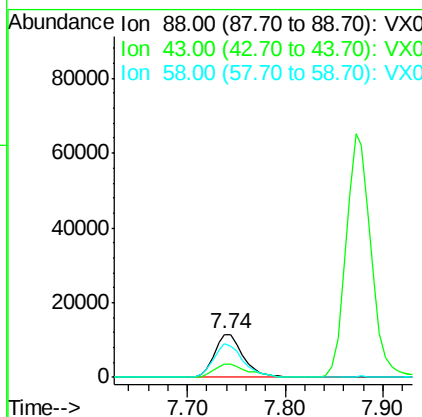
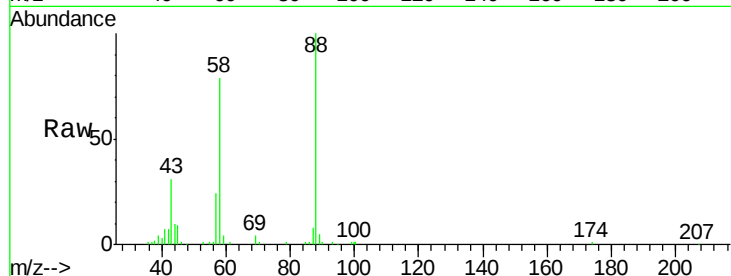
ClientSampleId :

VX0409MBS01

Tot Ion:	88	Resp:	23634
Ion	Ratio	Lower	Upper
88	100		
43	38.6	28.6	43.0
58	79.8	62.2	93.2

Manual Integrations
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MMDadoda
4/10/2019 10:05:12 AM



#50

Toluene-d8

Concen: 50.755 ug/l

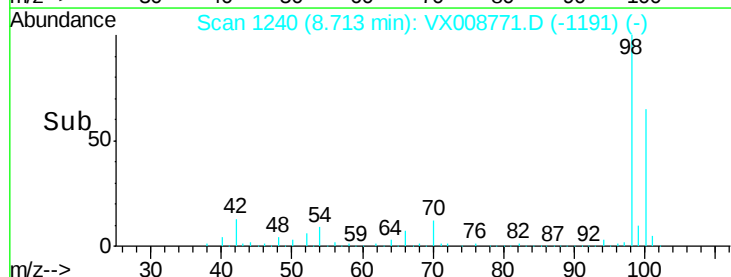
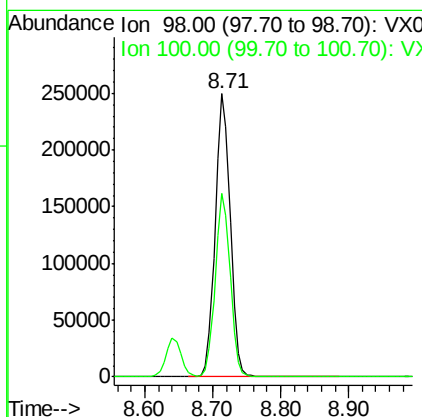
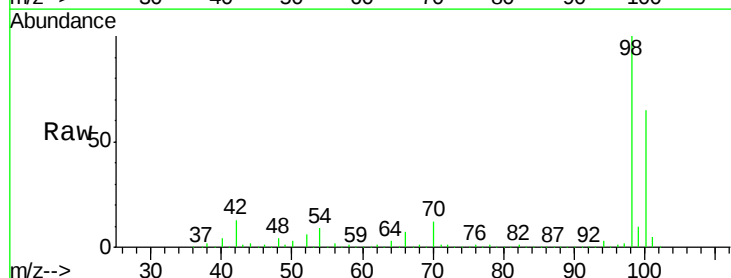
RT: 8.71 min Scan# 1240

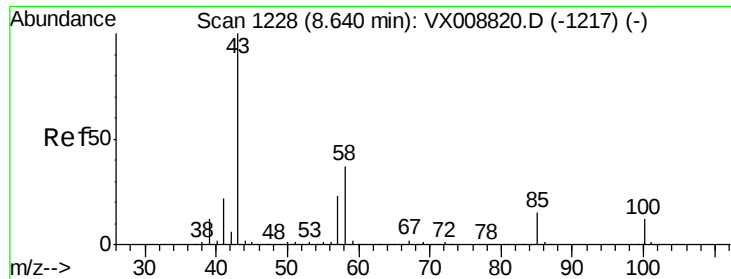
Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Tgt Ion:	98	Resp:	384797
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0





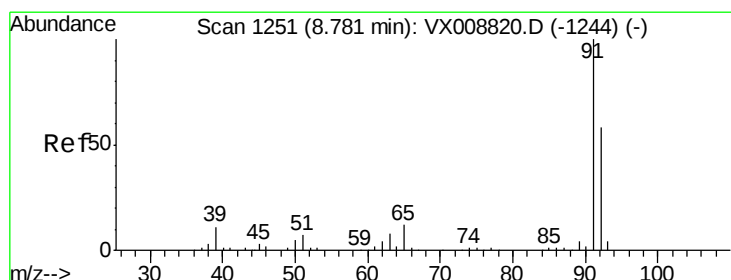
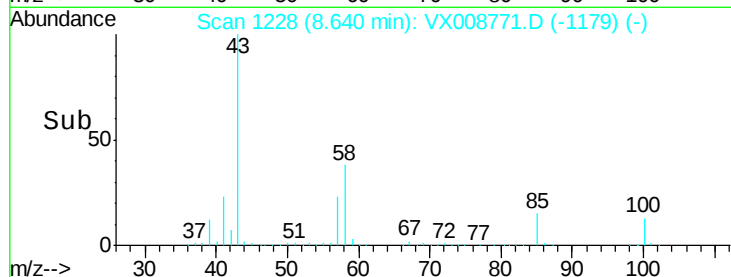
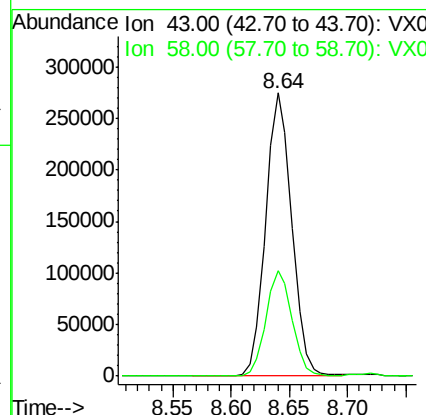
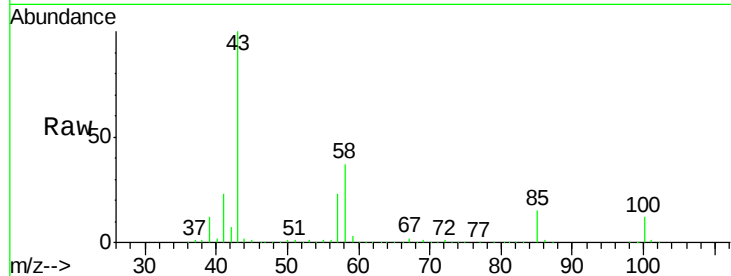
#51
4-Methyl-2-Pentanone
Concen: 96.964 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion: 43 Resp: 424871
Ion Ratio Lower Upper
43 100
58 37.0 29.5 44.3

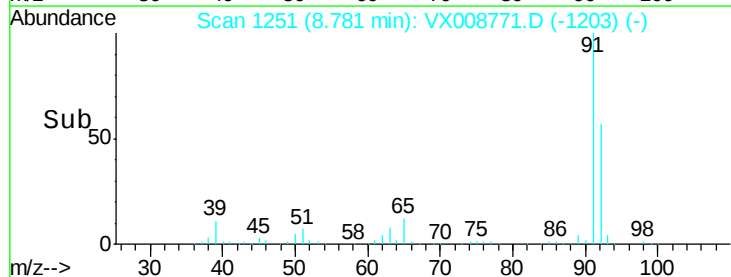
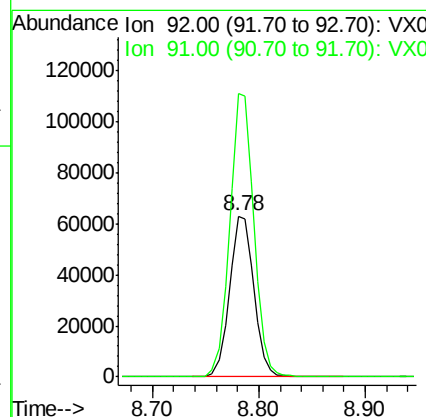
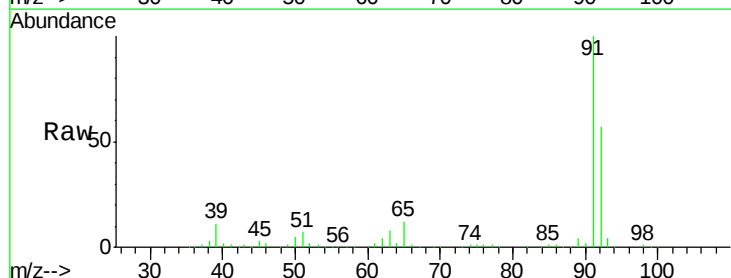
Manual Integrations
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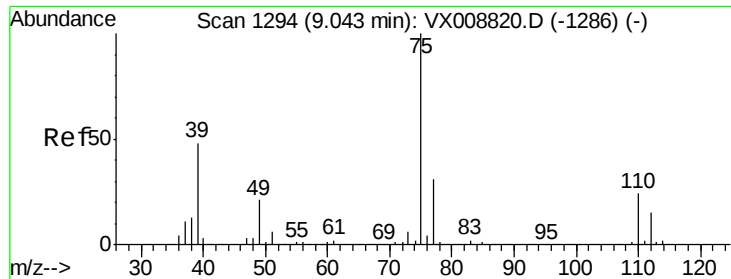
MMDadoda
4/10/2019 10:05:12 AM



#52
Toluene
Concen: 17.610 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion: 92 Resp: 100684
Ion Ratio Lower Upper
92 100
91 175.0 138.5 207.7





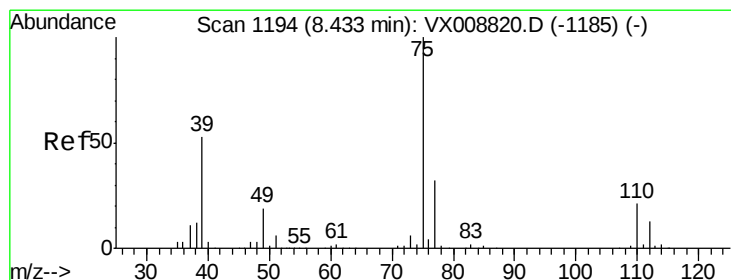
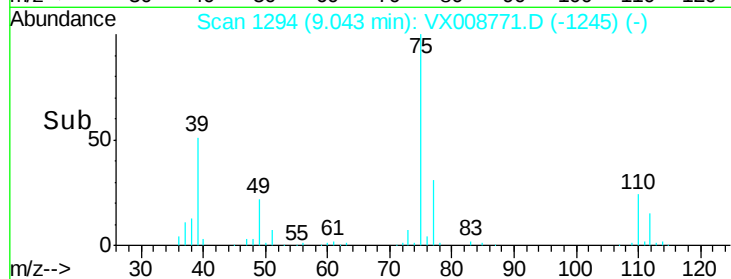
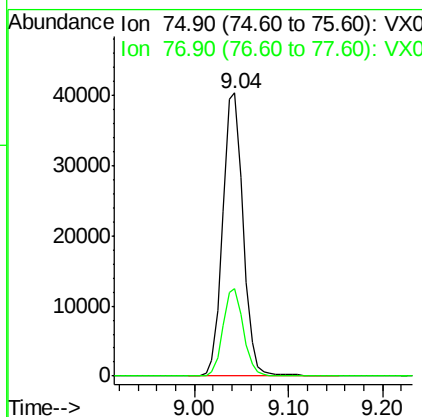
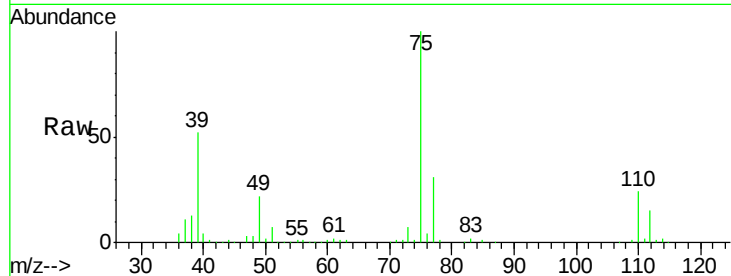
#53
t-1,3-Dichloropropene
Concen: 17.887 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion: 75 Resp: 60650
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8

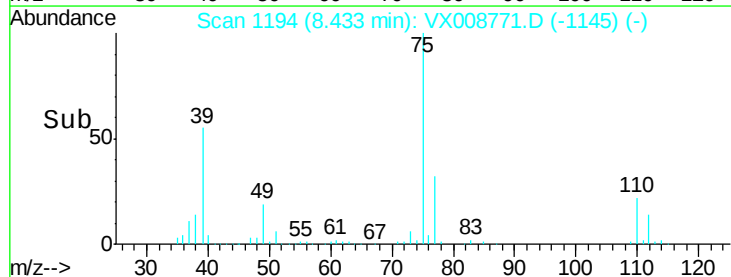
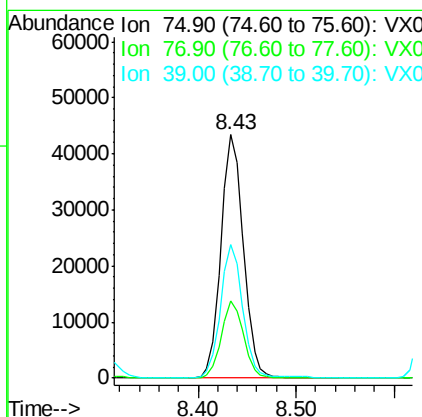
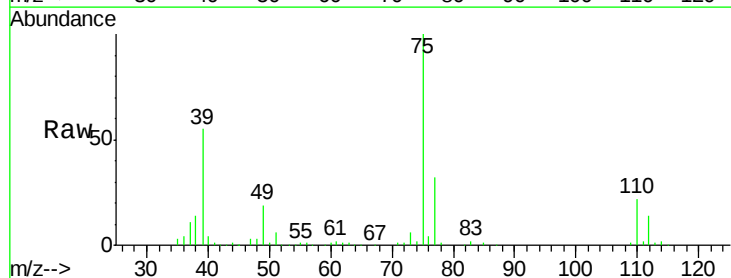
Manual Integrations
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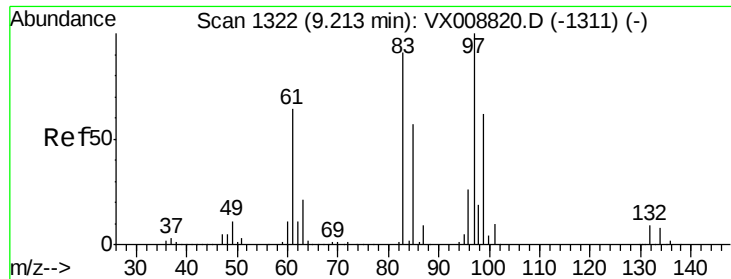
MMDadoda
4/10/2019 10:05:12 AM



#54
cis-1,3-Dichloropropene
Concen: 17.881 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion: 75 Resp: 69277
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 54.8 42.6 63.8





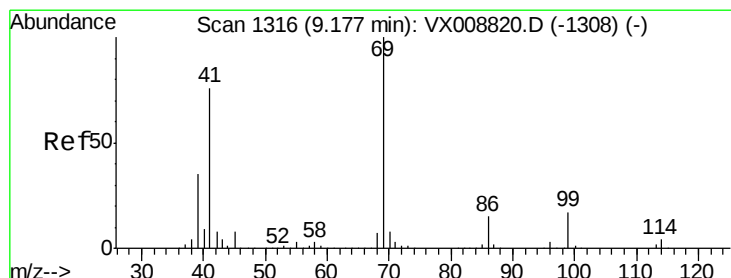
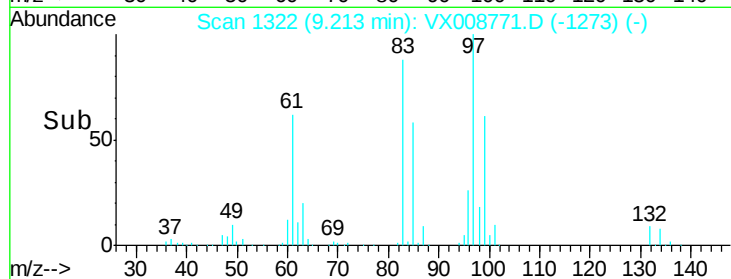
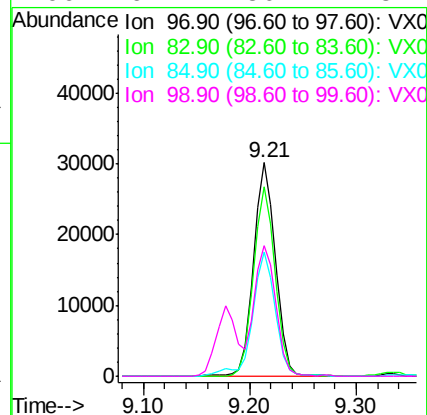
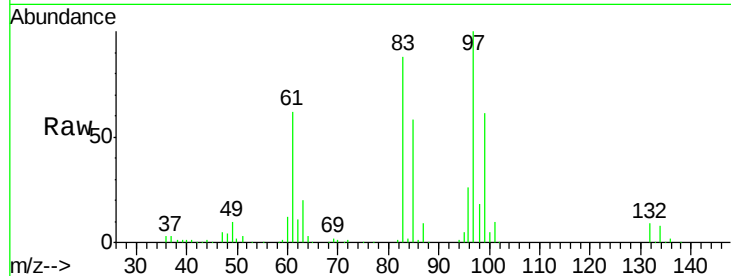
#55
 1,1,2-Trichloroethane
 Concen: 19.126 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409MBS01

Tot Ion:	97	Resp:	43895
Ion Ratio	Lower	Upper	
97	100		
83	88.5	73.2	109.8
85	58.4	46.6	69.8
99	61.4	50.1	75.1

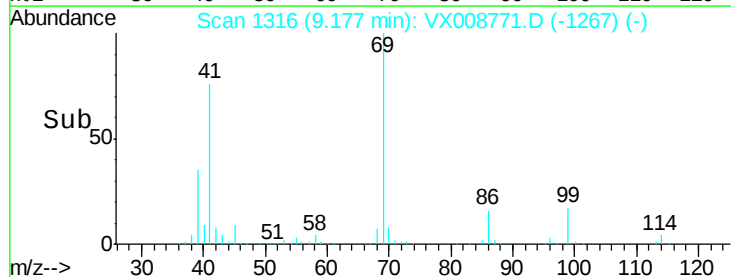
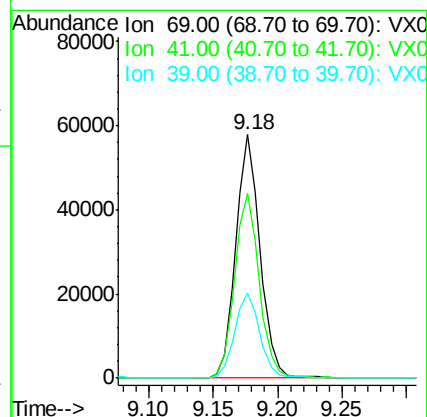
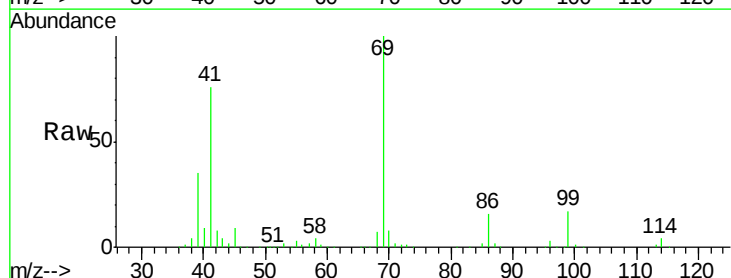
Manual Integrations
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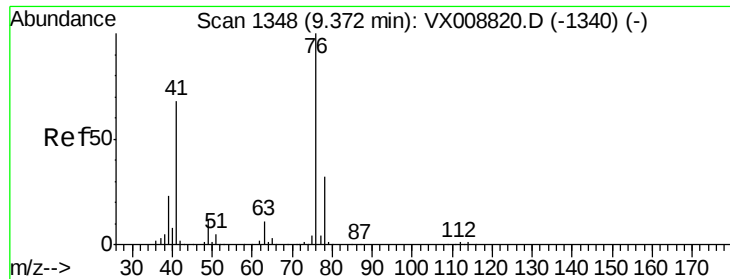
MMDadoda
 4/10/2019 10:05:12 AM



#56
 Ethyl methacrylate
 Concen: 18.441 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Tgt Ion:	69	Resp:	76577
Ion Ratio	Lower	Upper	
69	100		
41	76.9	60.1	90.1
39	35.7	28.9	43.3





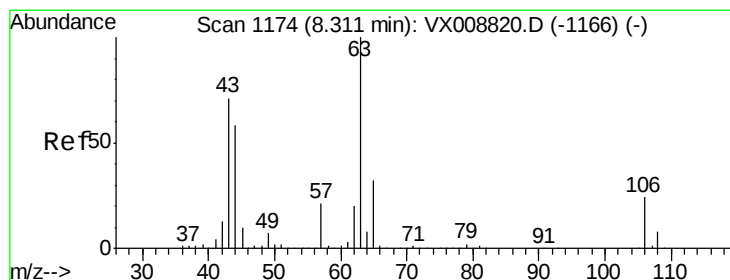
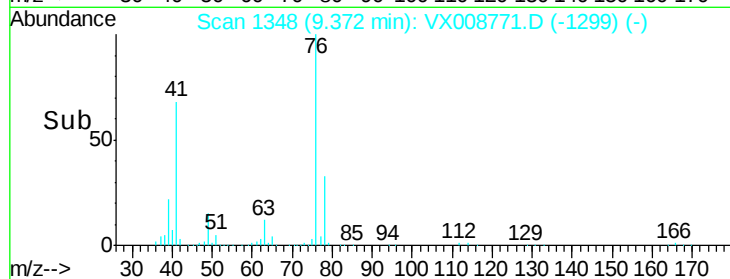
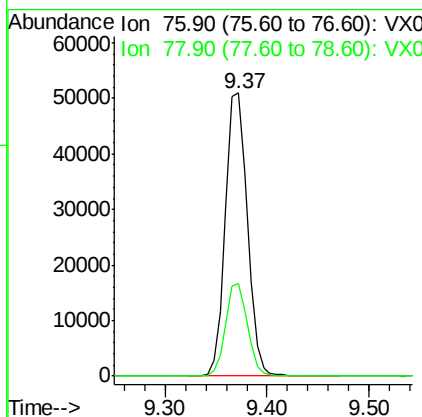
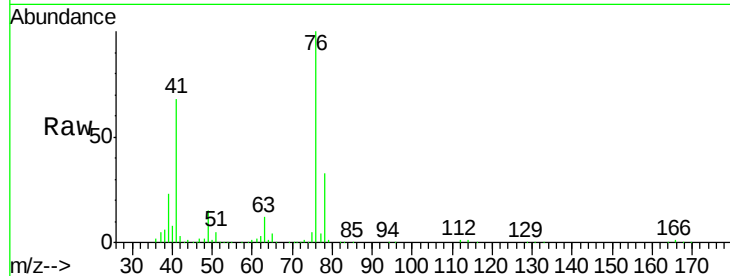
#57
 1,3-Dichloropropane
 Concen: 18.581 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.6	38.4

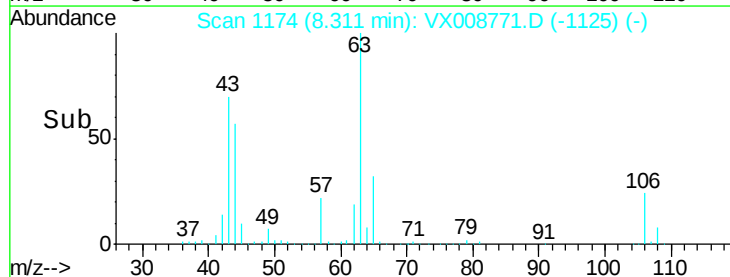
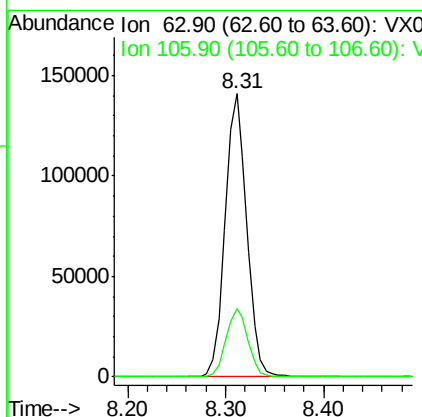
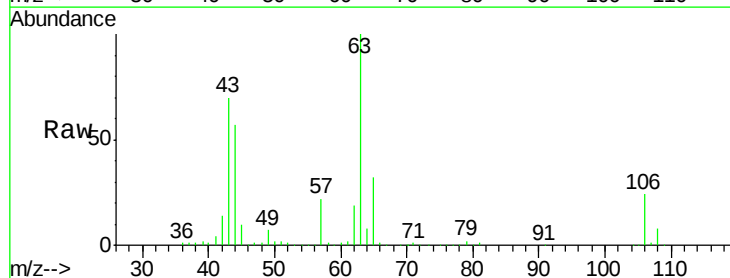
Manual Integrations
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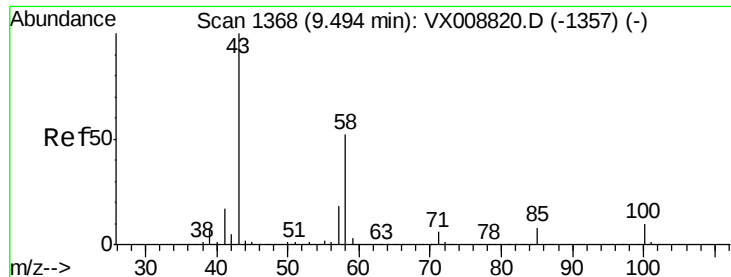
MMDadoda
 4/10/2019 10:05:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.807 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.2	19.0	28.6





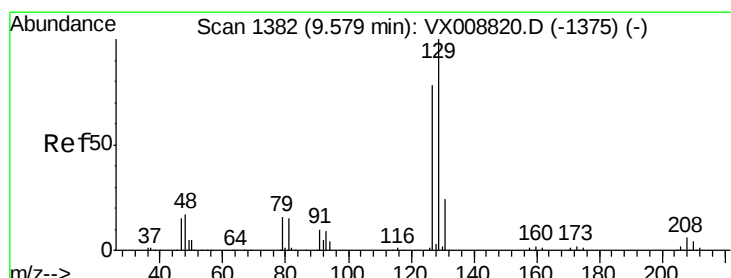
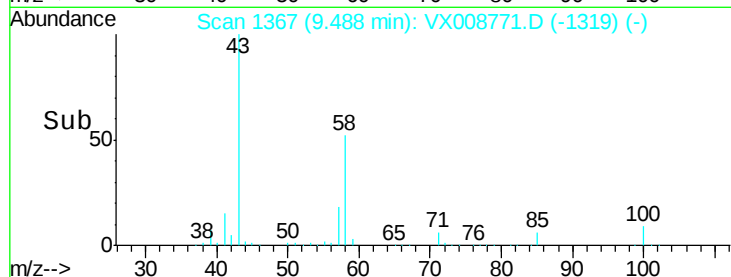
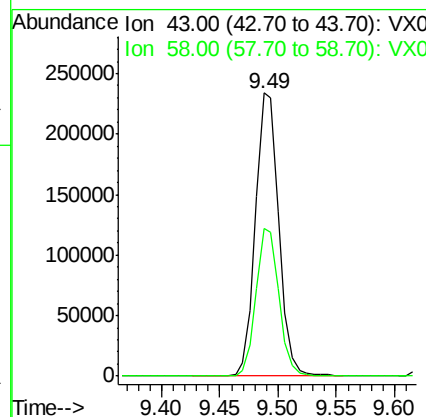
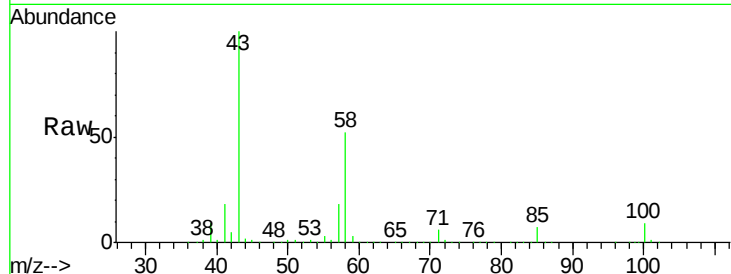
#59
2-Hexanone
Concen: 95.962 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion: 43 Resp: 326775
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7

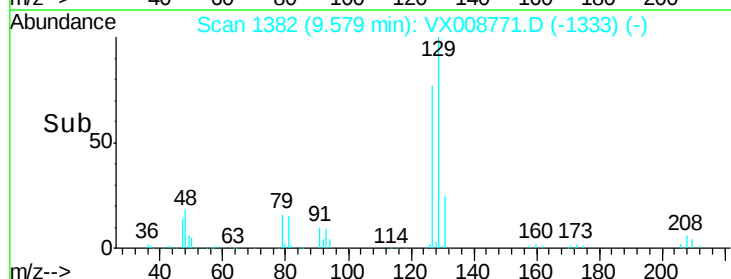
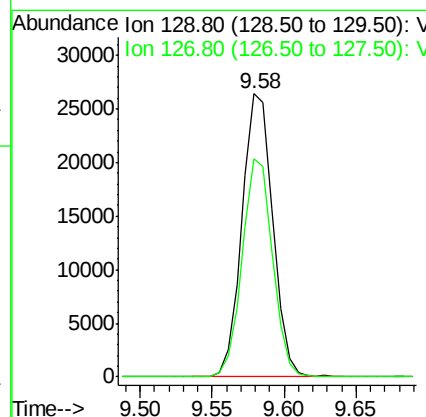
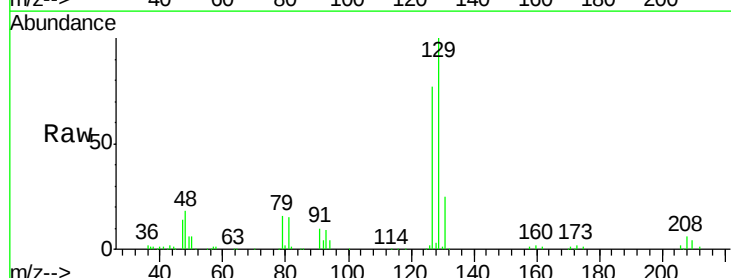
Manual Integrations
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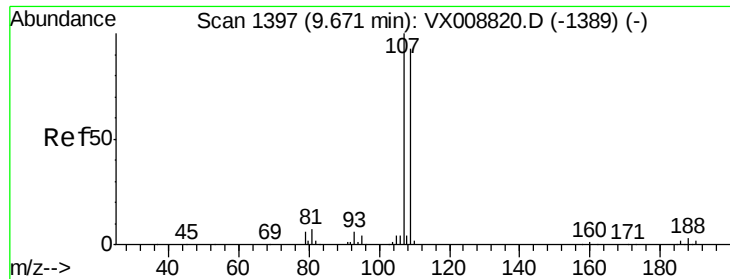
MMDadoda
4/10/2019 10:05:12 AM



#60
Dibromochloromethane
Concen: 18.148 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion: 129 Resp: 39247
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 18.050 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion:107 Resp: 43125

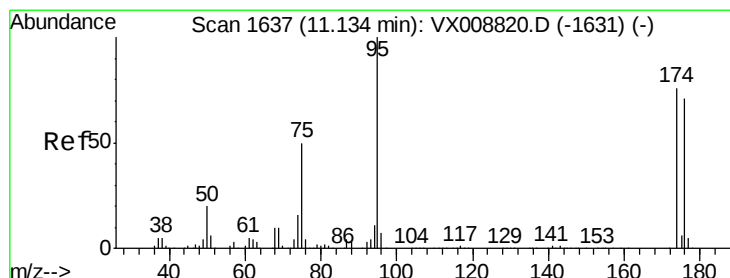
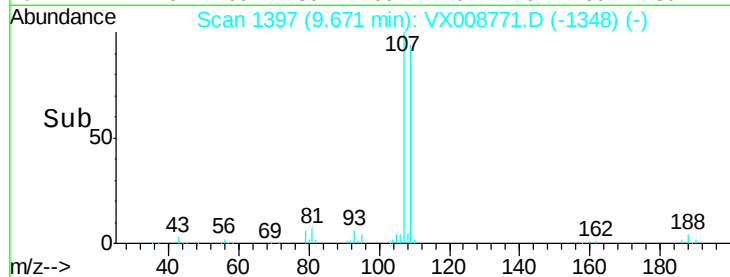
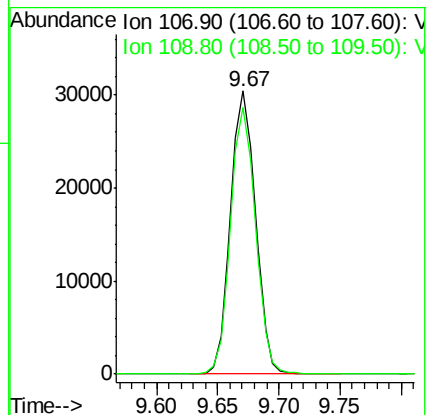
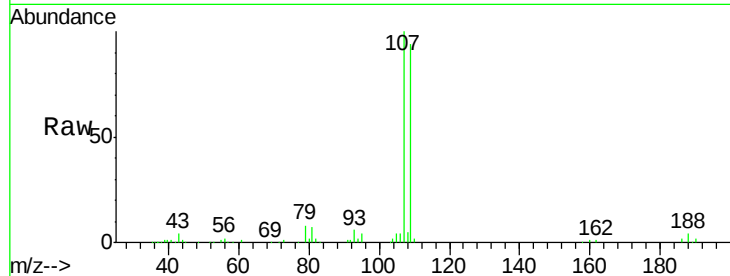
Ion Ratio Lower Upper

107 100

109 94.4 74.1 111.1

Manual Integrations
APPROVED

MMDadoda
4/10/2019 10:05:12 AM



#62

4-Bromofluorobenzene

Concen: 49.496 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

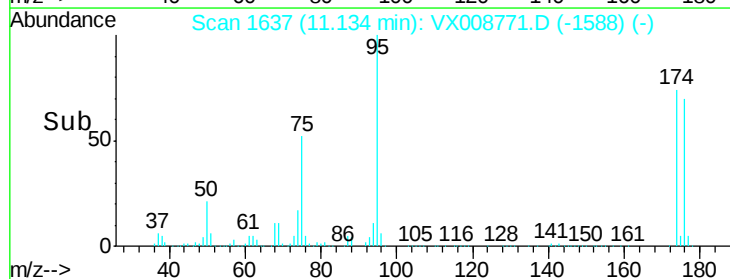
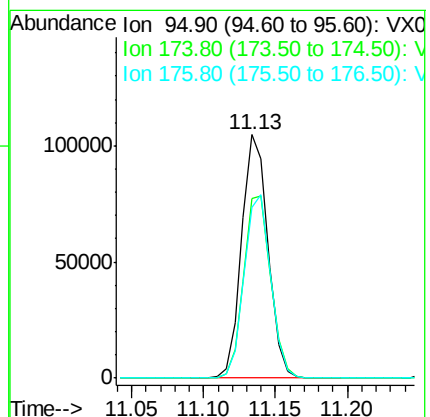
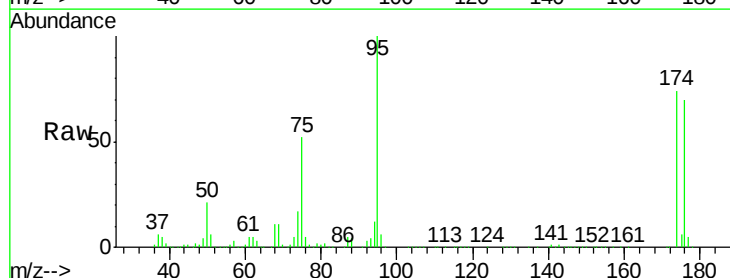
Tgt Ion: 95 Resp: 133069

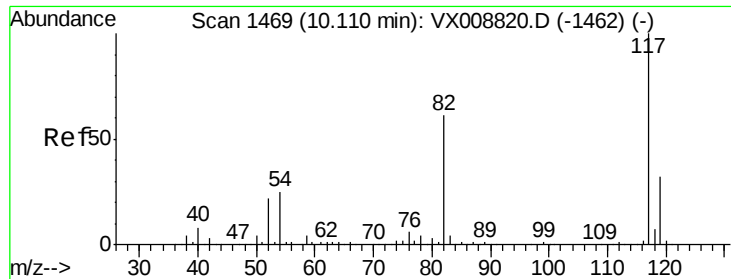
Ion Ratio Lower Upper

95 100

174 76.8 0.0 151.8

176 75.8 0.0 145.8





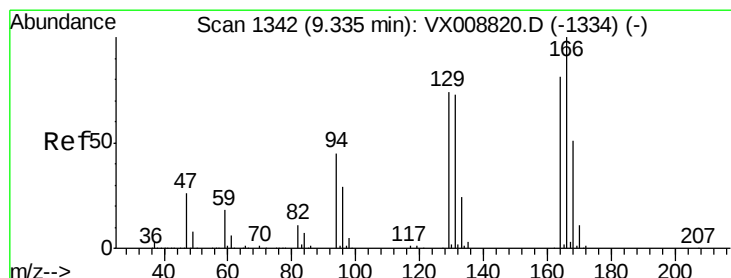
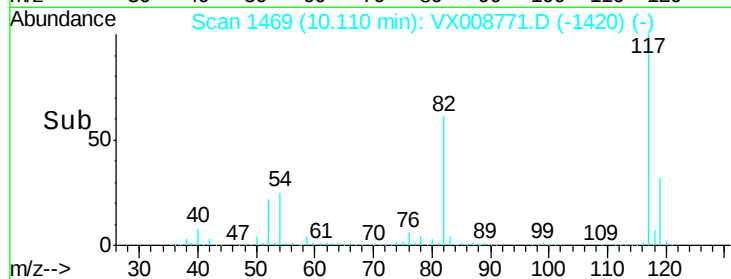
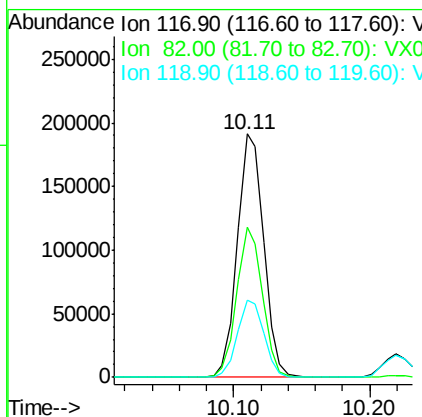
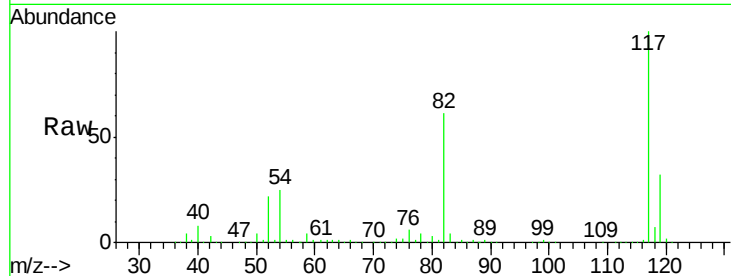
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.6	74.4
119	31.8	25.0	37.4

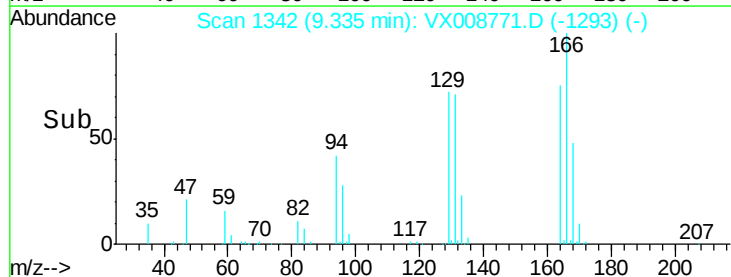
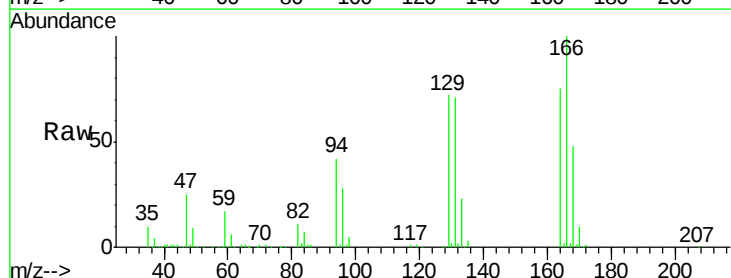
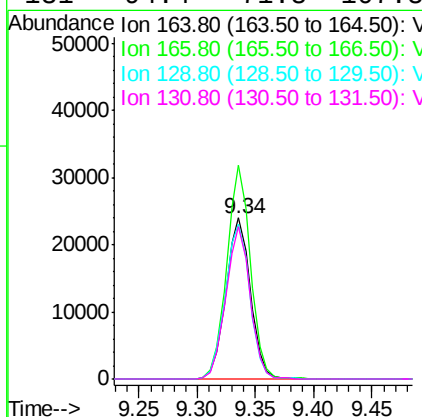
Manual Integrations
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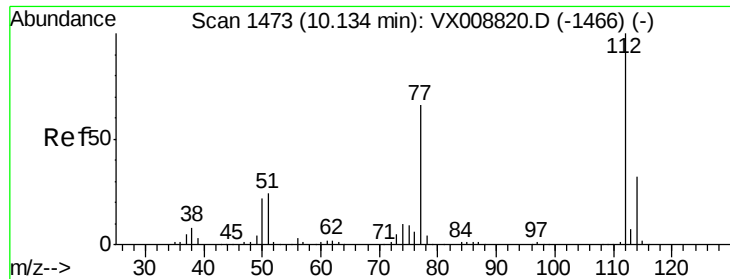
MMDadoda
4/10/2019 10:05:12 AM



#64
Tetrachloroethene
Concen: 18.329 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	101.0	151.6
129	96.1	75.8	113.8
131	94.4	71.8	107.8





#65

Chlorobenzene

Concen: 17.897 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion:112 Resp: 102407

Ion Ratio Lower Upper

112 100

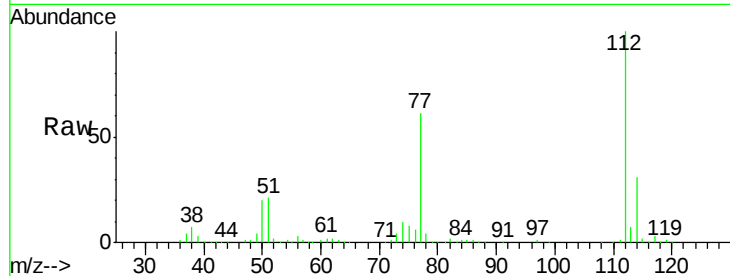
114 31.4 25.8 38.8

Manual Integrations

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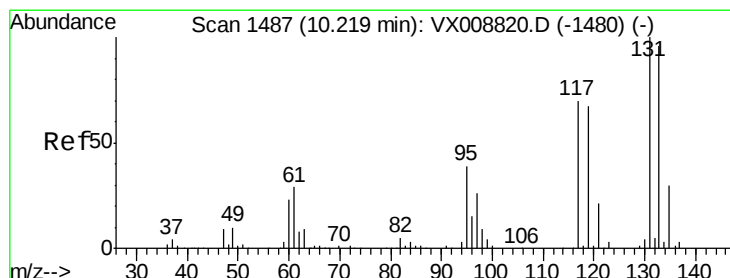
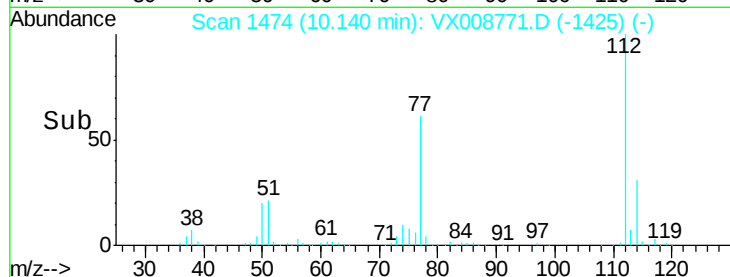
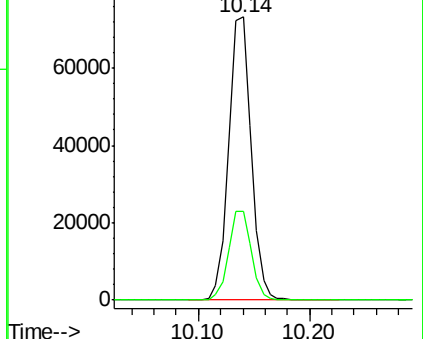
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.186 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

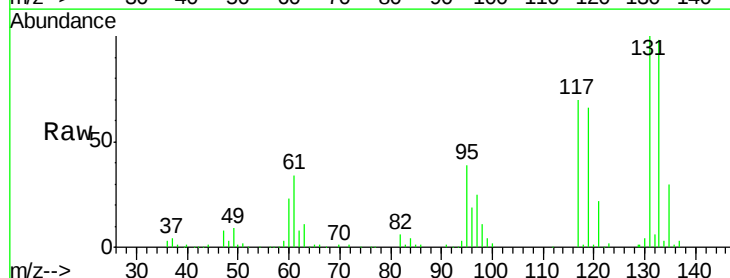
Tgt Ion:131 Resp: 36507

Ion Ratio Lower Upper

131 100

133 95.9 47.0 141.2

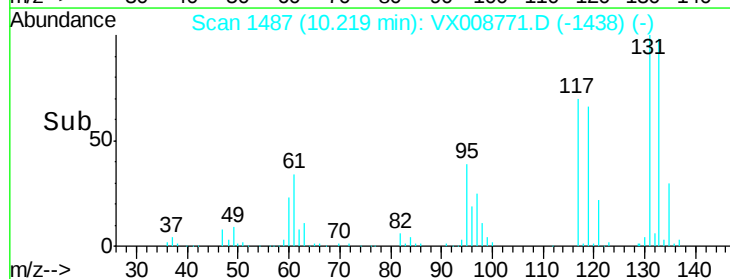
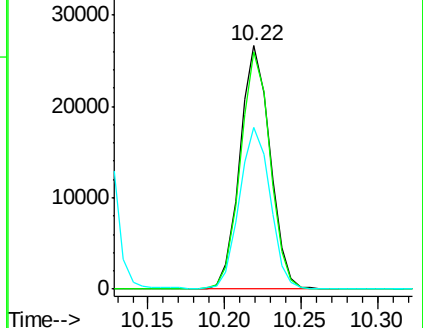
119 67.5 33.7 101.0

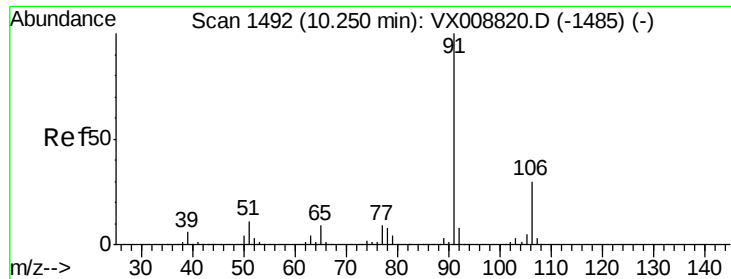


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





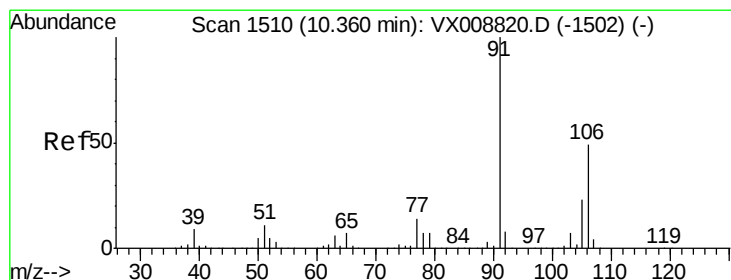
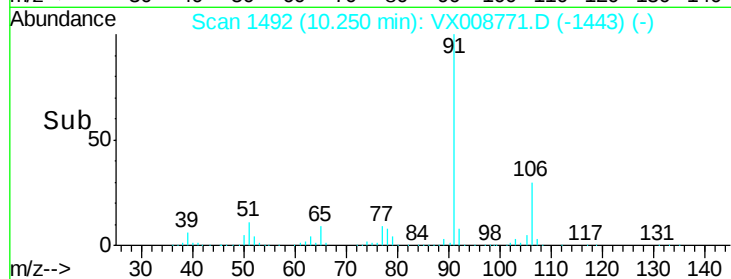
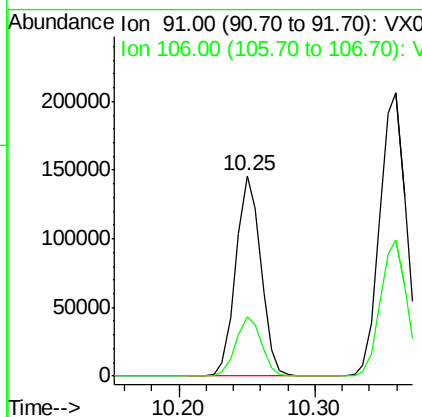
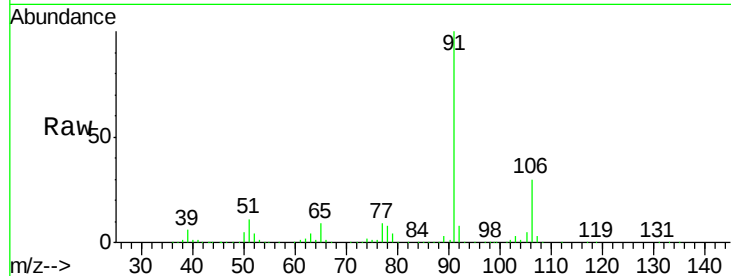
#67
Ethyl Benzene
Concen: 17.572 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion: 91 Resp: 187485
Ion Ratio Lower Upper
91 100
106 29.7 23.7 35.5

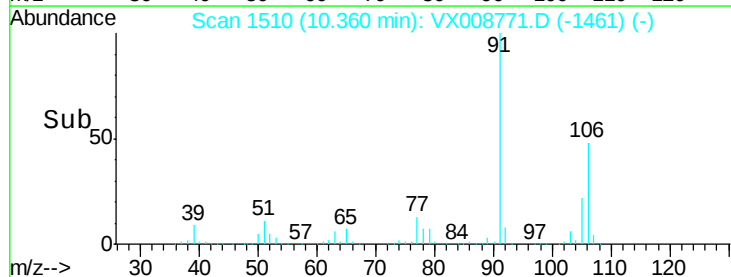
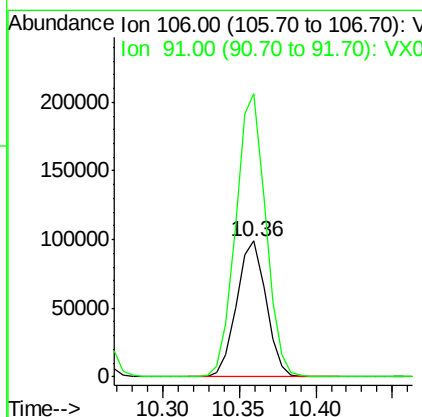
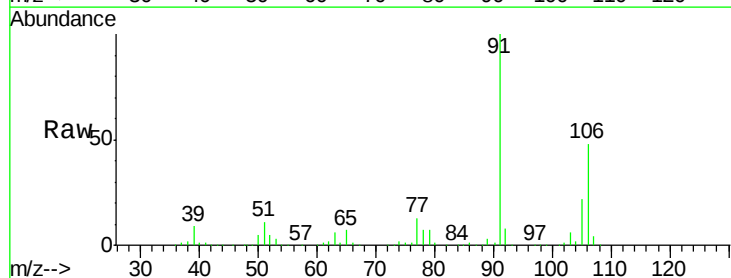
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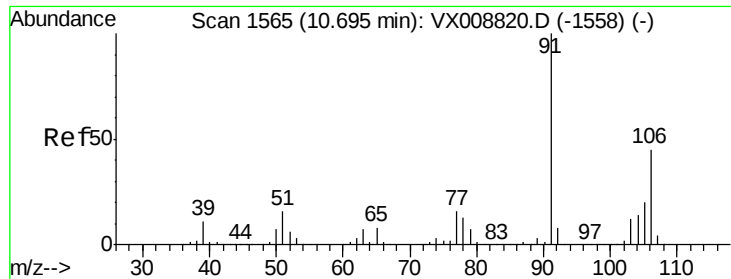
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#68
m/p-Xylenes
Concen: 34.622 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion: 106 Resp: 132818
Ion Ratio Lower Upper
106 100
91 210.0 168.5 252.7





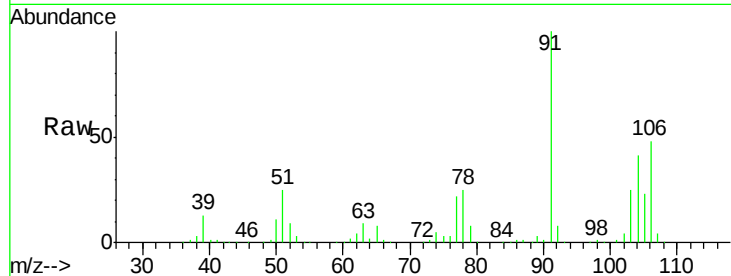
#69
o-Xylene
Concen: 17.916 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

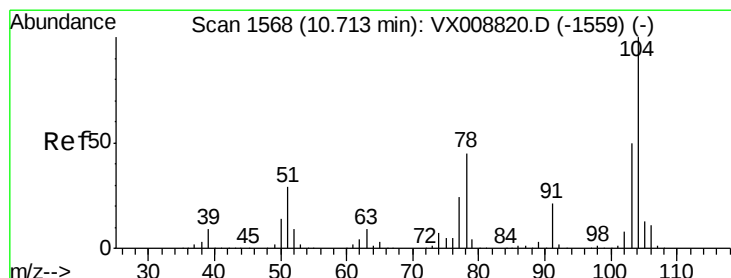
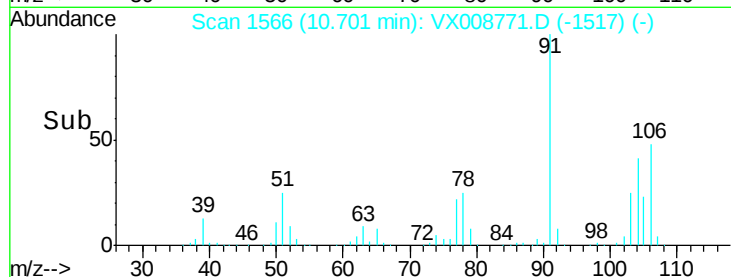
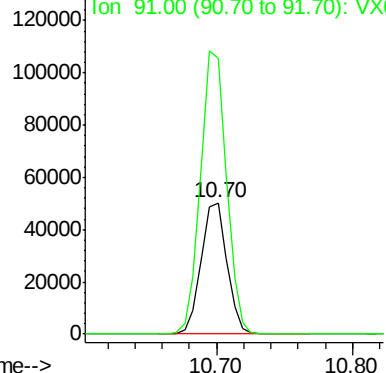
Tot Ion:106 Resp: 66609
Ion Ratio Lower Upper
106 100
91 217.6 111.5 334.4

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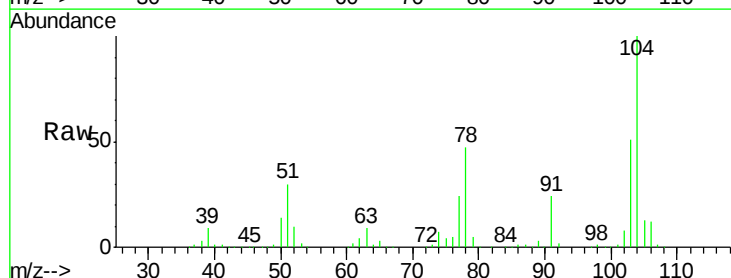


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

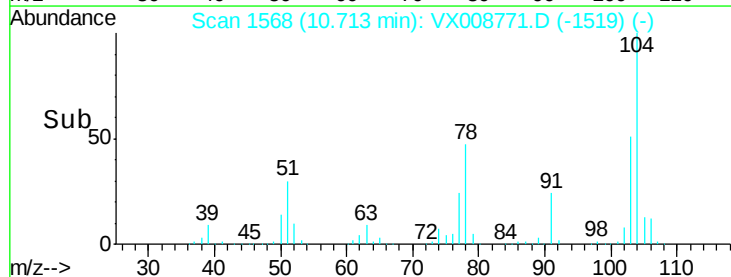
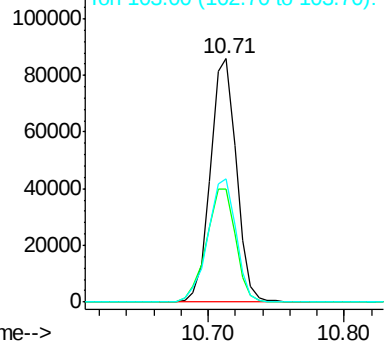


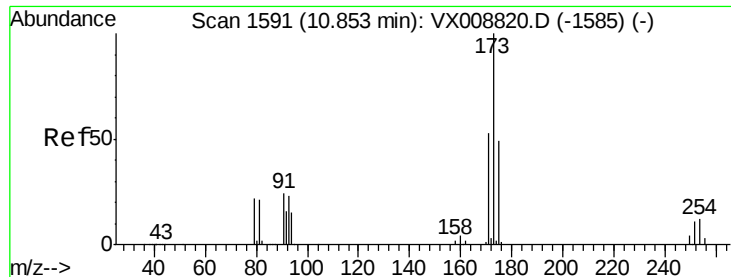
#70
Styrene
Concen: 17.882 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion:104 Resp: 114601
Ion Ratio Lower Upper
104 100
78 52.4 42.3 63.5
103 55.0 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.888 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion:173 Resp: 27424

Ion Ratio Lower Upper

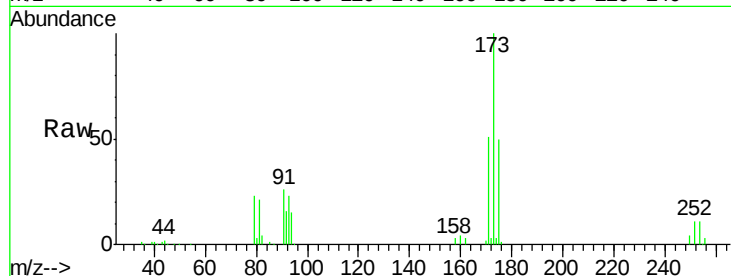
173 100

175 48.5 24.9 74.6

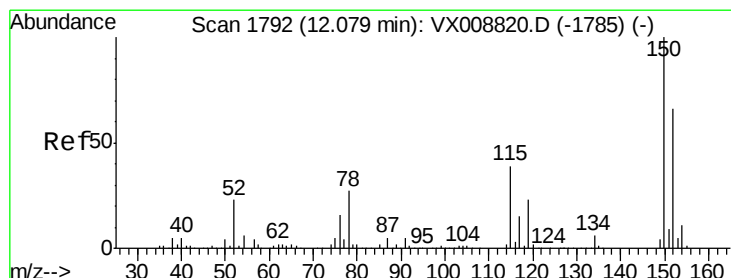
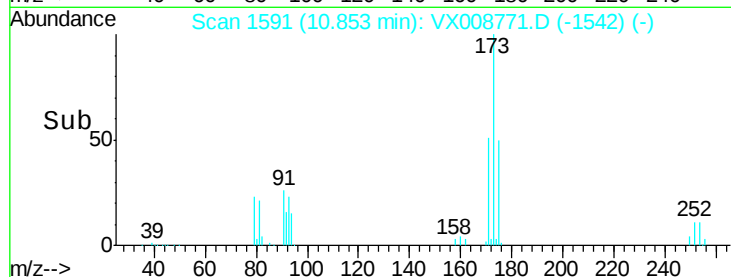
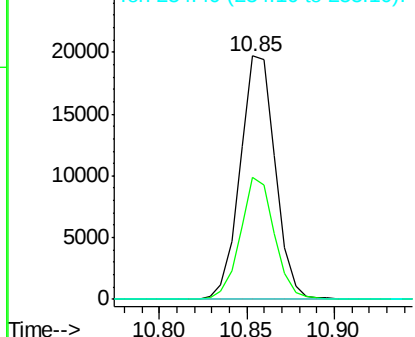
254 0.2 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

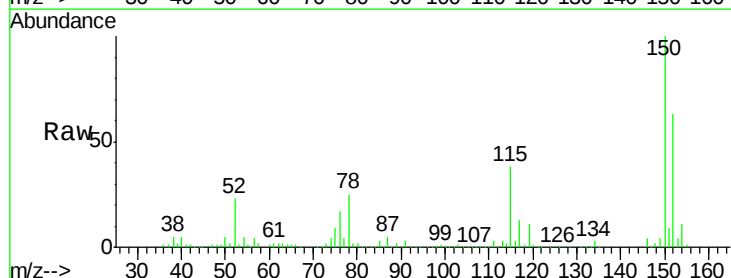
Tgt Ion:152 Resp: 115277

Ion Ratio Lower Upper

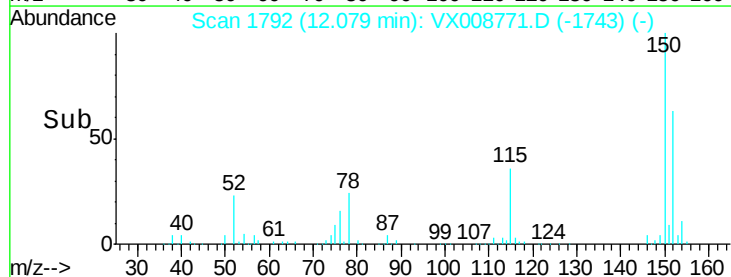
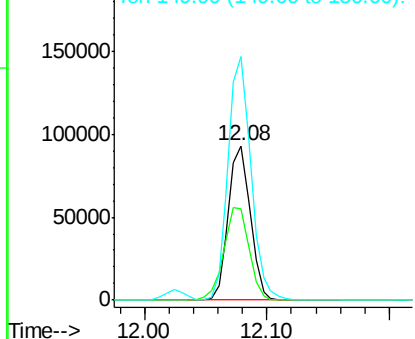
152 100

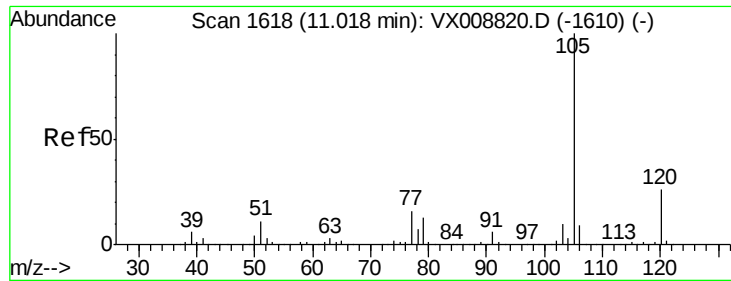
115 68.9 43.5 130.5

150 164.4 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.208 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion: 105 Resp: 173943

Ion Ratio Lower Upper

105 100

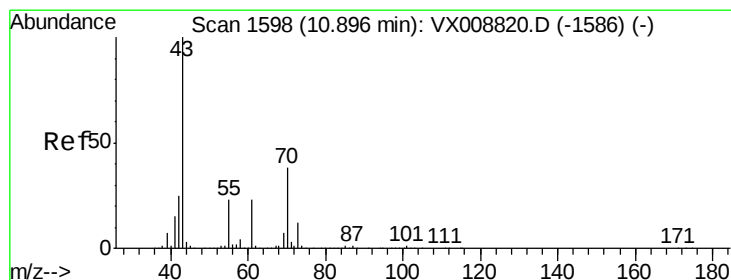
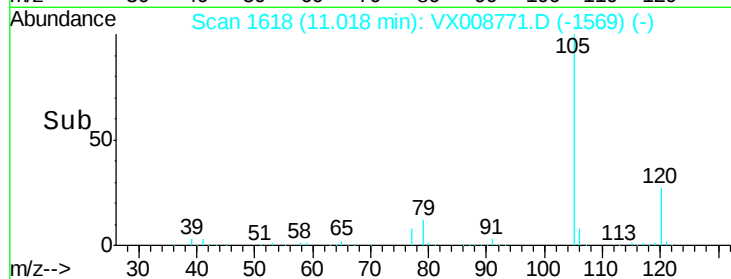
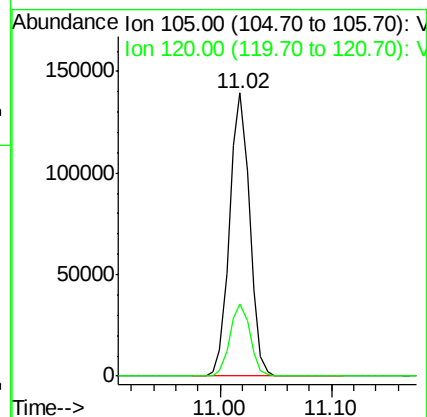
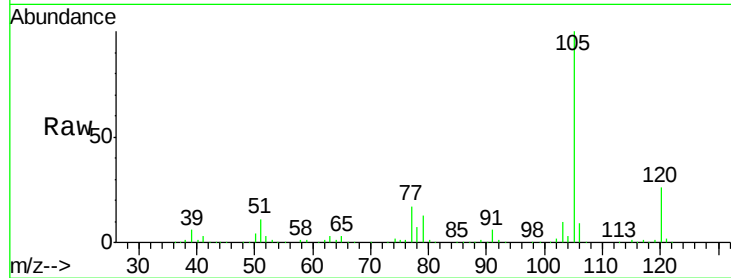
120 25.8 12.9 38.6

Manual Integrations

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MMDadoda

4/10/2019 10:05:12 AM



#74

N-ethyl acetate

Concen: 18.674 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Tgt Ion: 43 Resp: 104958

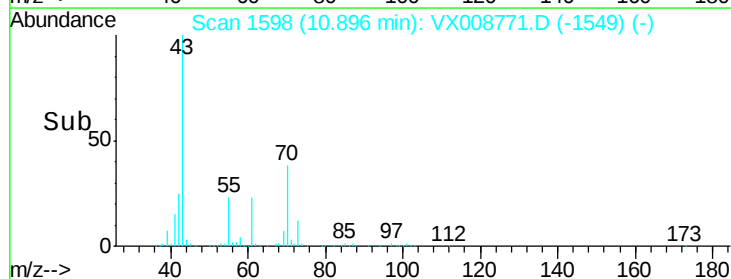
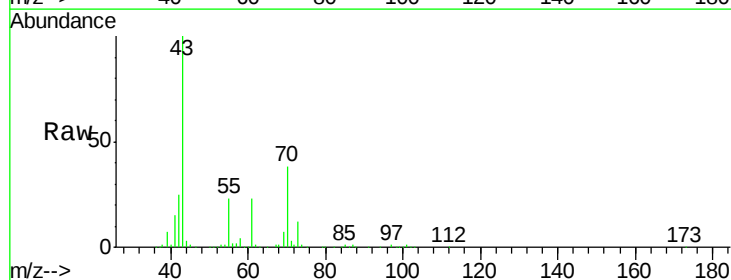
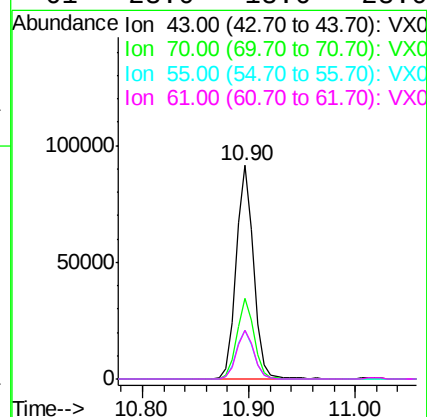
Ion Ratio Lower Upper

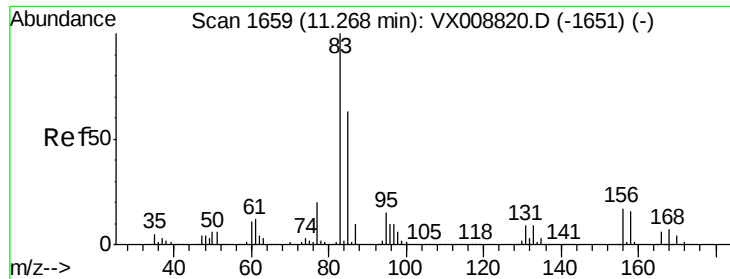
43 100

70 37.3 30.2 45.4

55 23.4 18.2 27.4

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.896 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

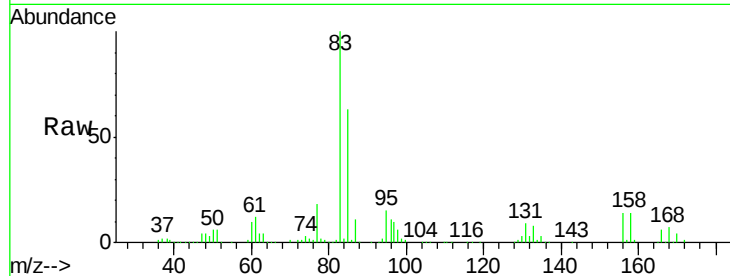
ClientSampleId :

VX0409MBS01

Tot Ion:	83	Resp:	68655
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.7
85	64.3	32.0	96.2

Manual Integrations
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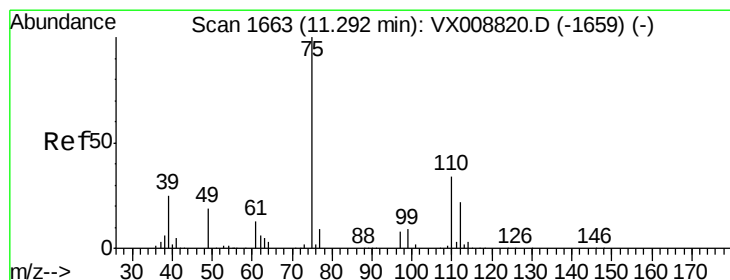
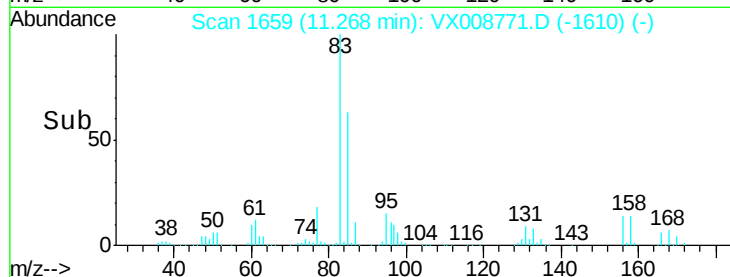
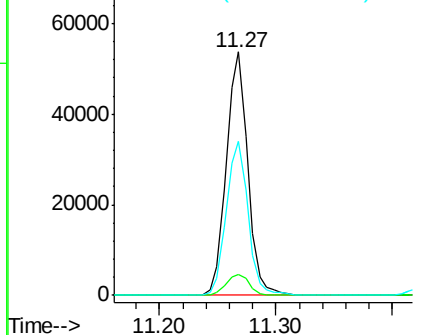
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.505 ug/l m

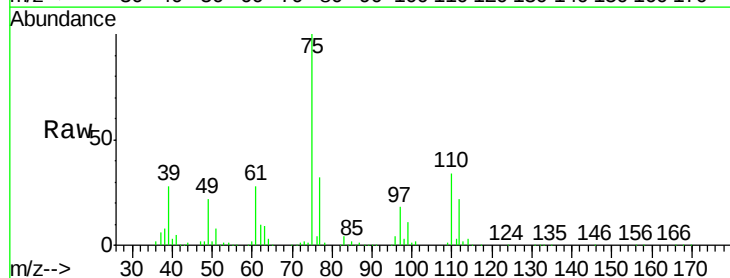
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008771.D

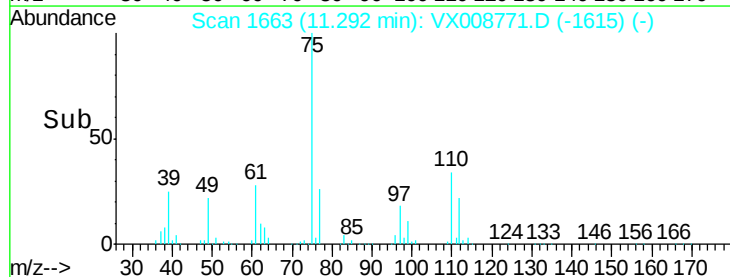
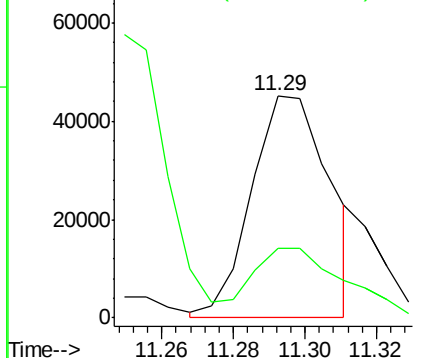
Acq: 09 Apr 2019 15:25

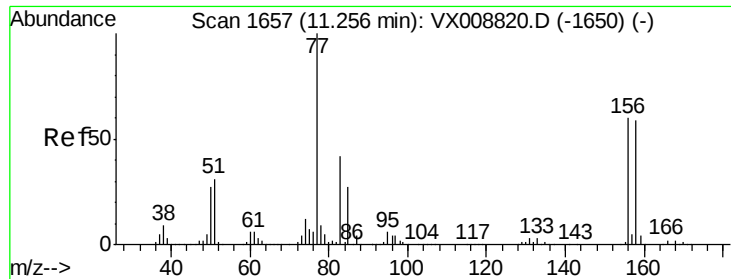
Tgt Ion:	75	Resp:	68101
Ion Ratio	Lower	Upper	
75	100		
77	37.7	22.3	66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.235 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion:156 Resp: 41879

Ion Ratio Lower Upper

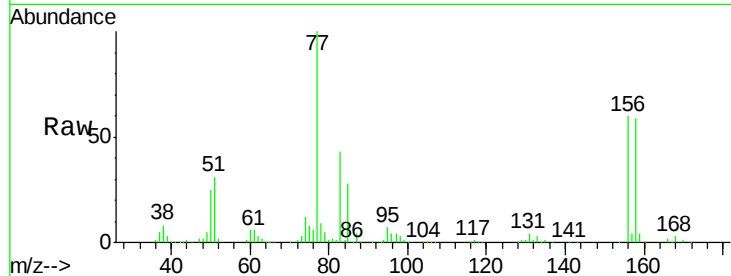
156 100

77 179.0 89.8 269.6

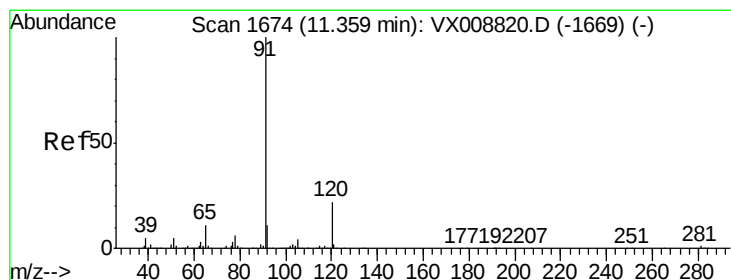
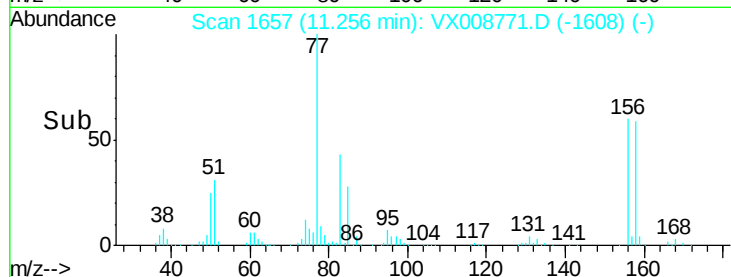
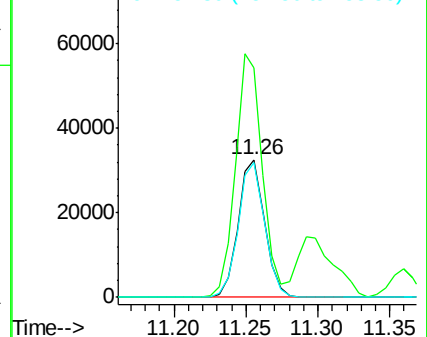
158 97.6 48.6 145.9

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.722 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008771.D

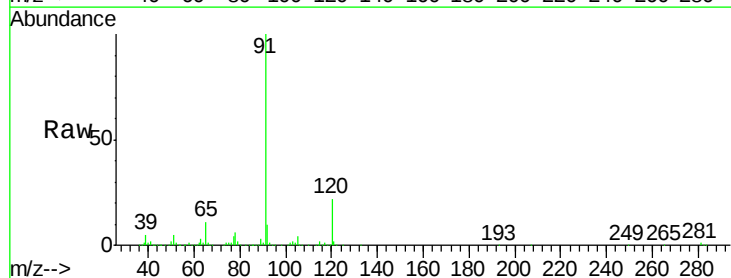
Acq: 09 Apr 2019 15:25

Tgt Ion: 91 Resp: 197130

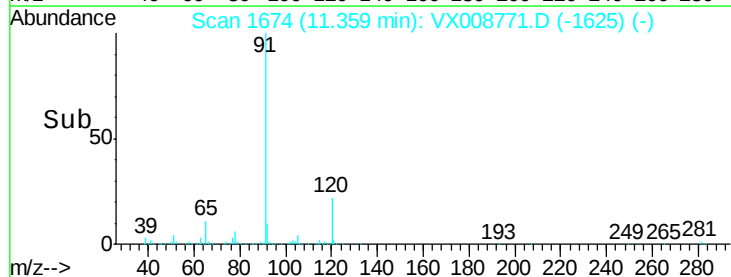
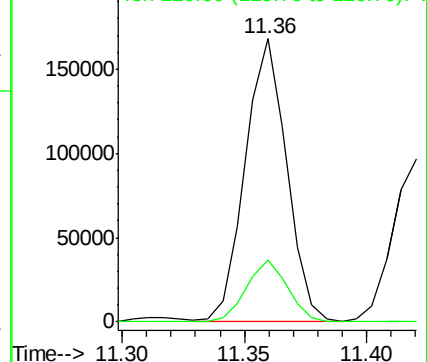
Ion Ratio Lower Upper

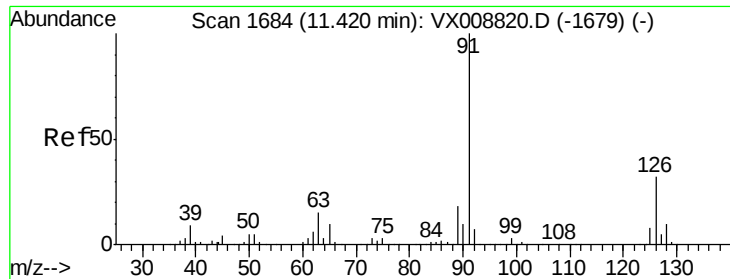
91 100

120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.693 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion: 91 Resp: 119103

Ion Ratio Lower Upper

91 100

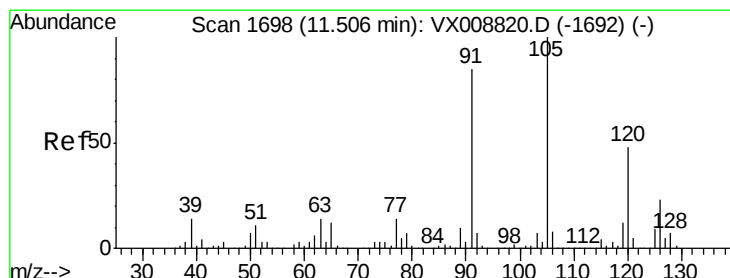
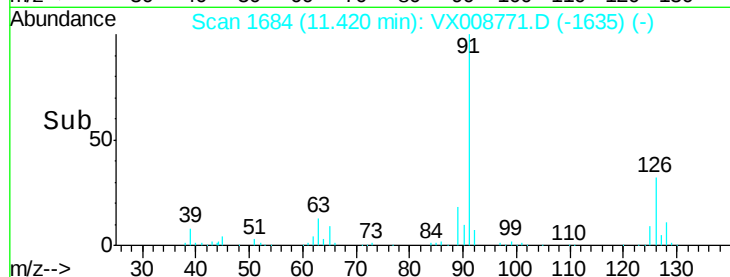
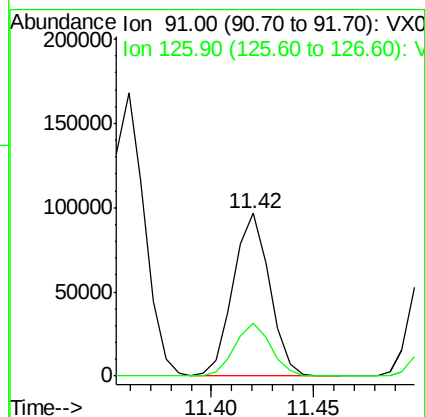
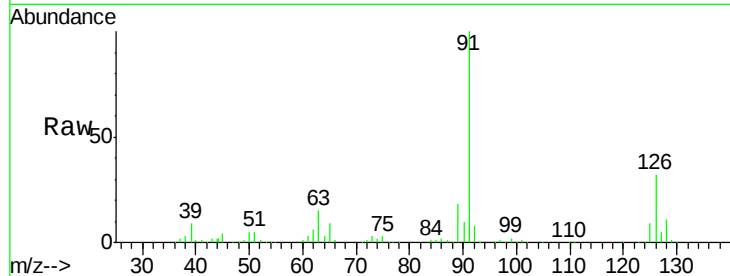
126 32.5 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.392 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008771.D

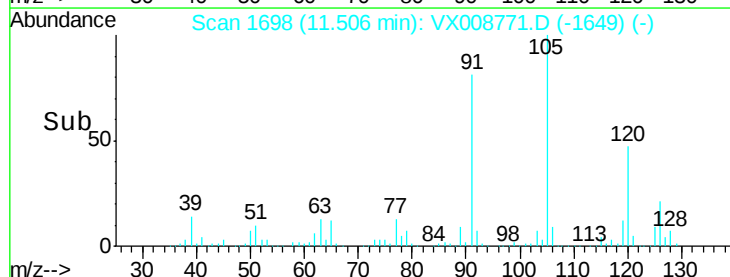
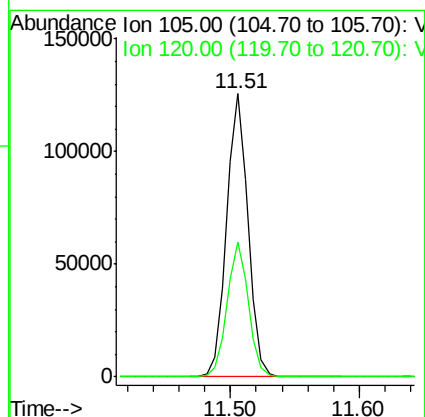
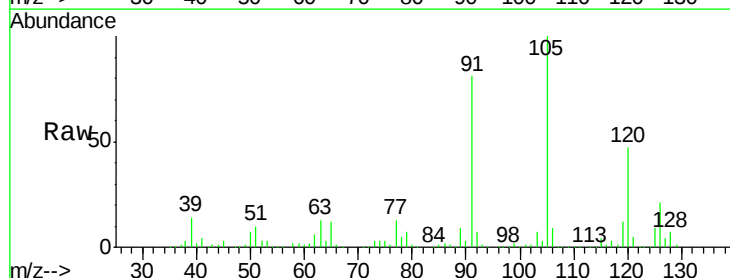
Acq: 09 Apr 2019 15:25

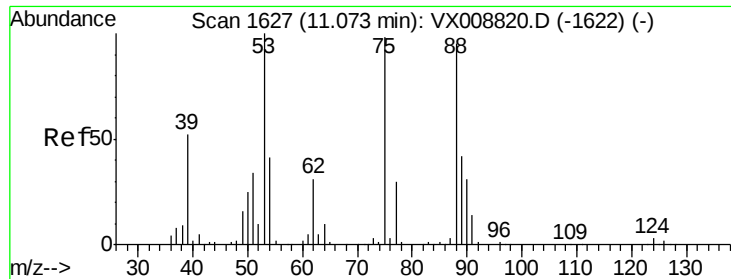
Tgt Ion: 105 Resp: 147490

Ion Ratio Lower Upper

105 100

120 47.3 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.111 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion: 75 Resp: 20806

Ion Ratio Lower Upper

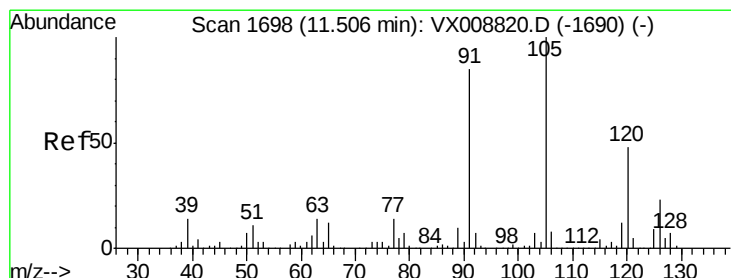
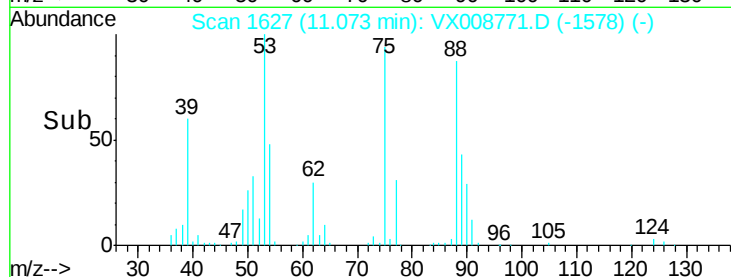
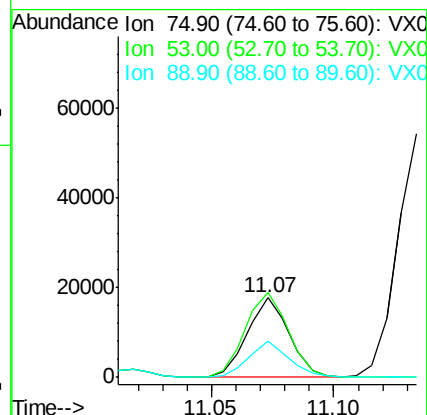
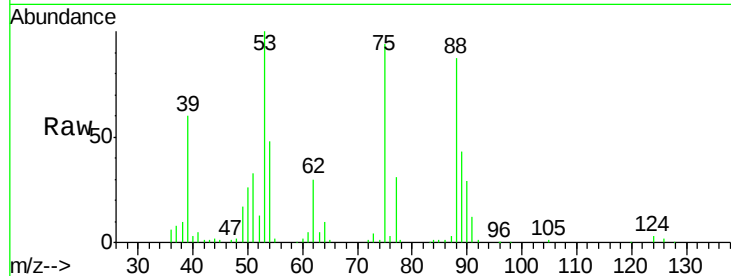
75 100

53 112.9 81.3 121.9

89 44.9 35.6 53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.499 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008771.D

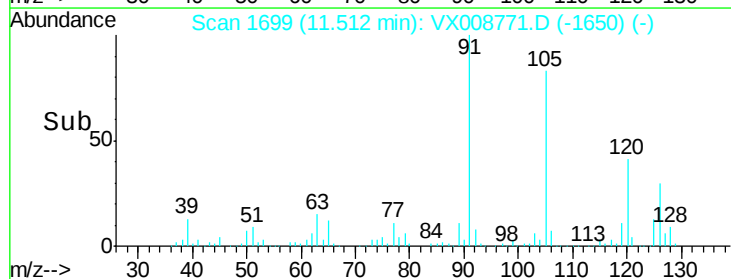
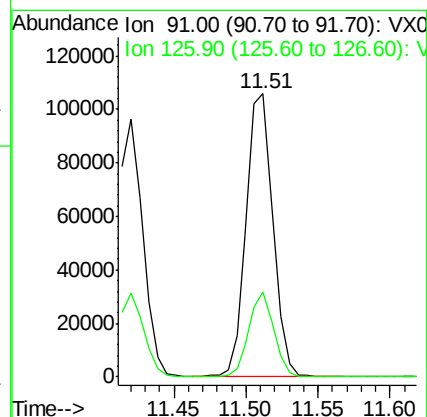
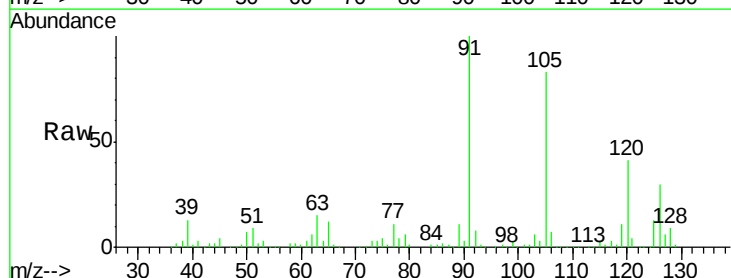
Acq: 09 Apr 2019 15:25

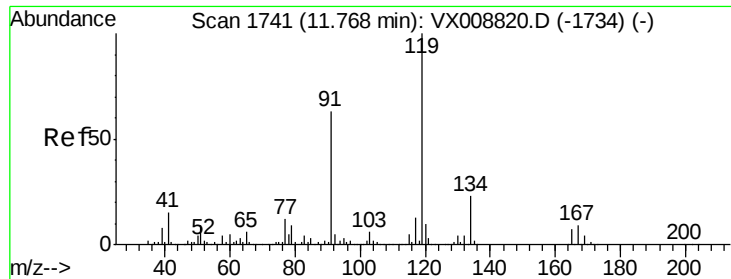
Tgt Ion: 91 Resp: 136354

Ion Ratio Lower Upper

91 100

126 27.9 13.9 41.6





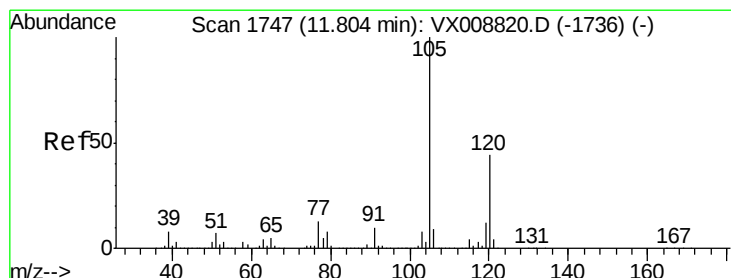
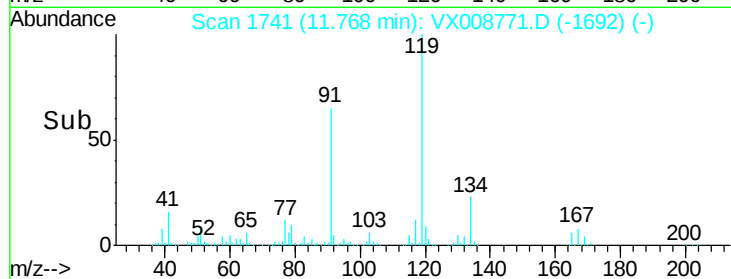
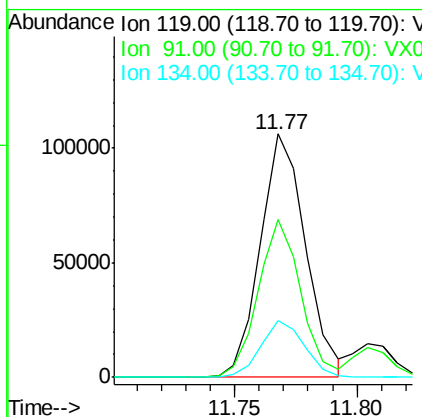
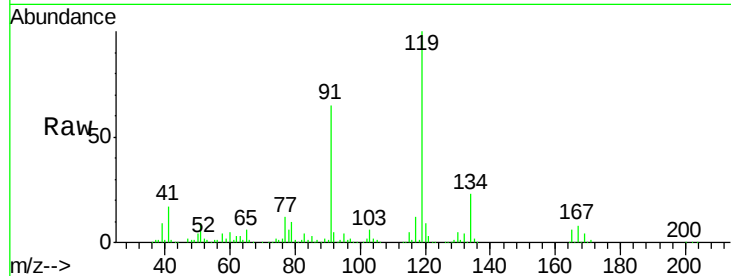
#83
tert-Butylbenzene
Concen: 17.851 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	137723		
91	61.2	30.0	90.1	
134	22.5	11.1	33.3	

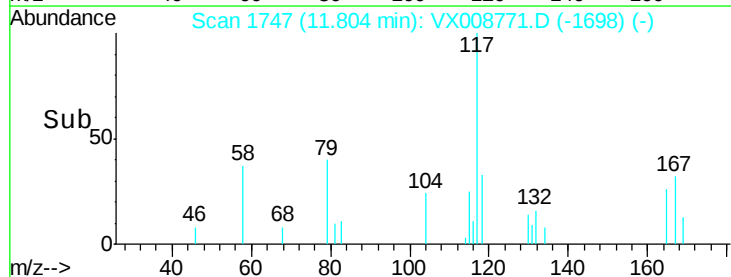
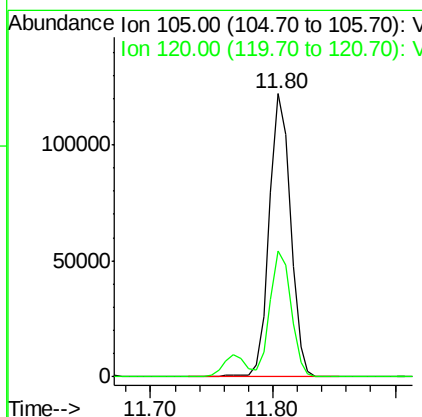
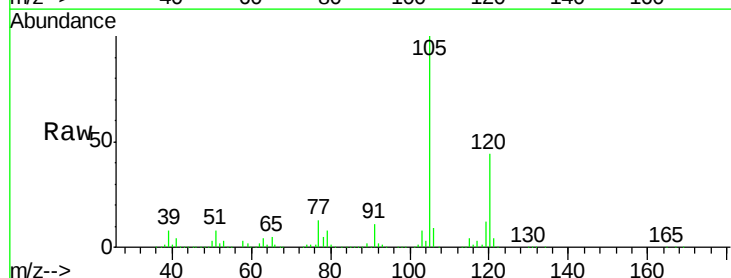
Manual Integrations
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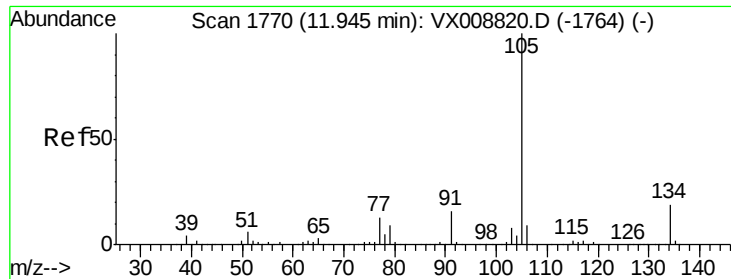
MMDadoda
4/10/2019 10:05:12 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.227 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	148000		
120	43.7	21.8	65.3	





#85

sec-Butylbenzene

Concen: 17.964 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBS01

Tot Ion:105 Resp: 164622

Ion Ratio Lower Upper

105 100

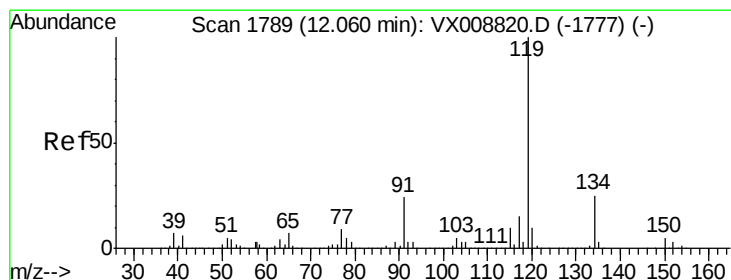
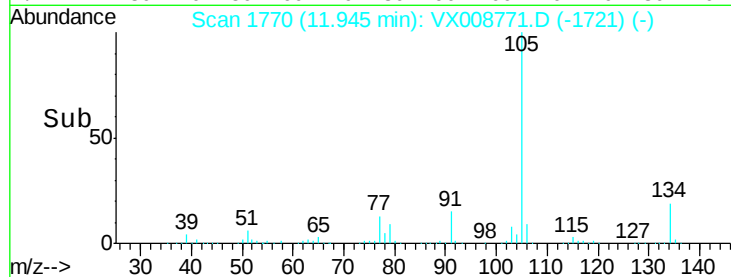
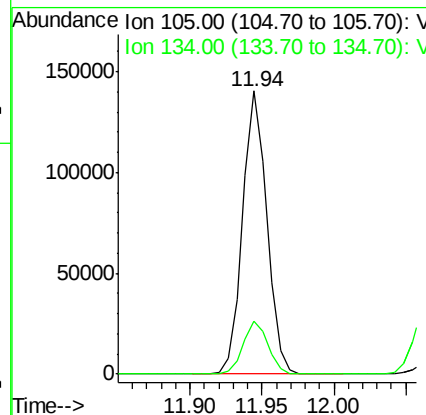
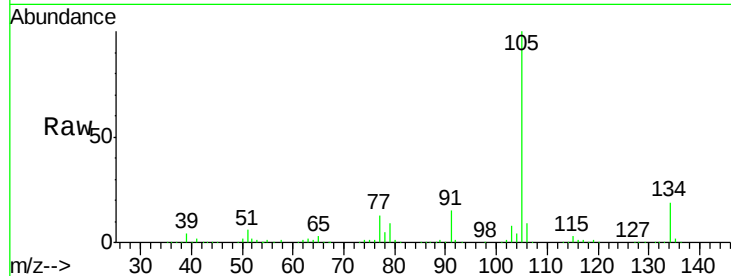
134 19.0 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 17.998 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

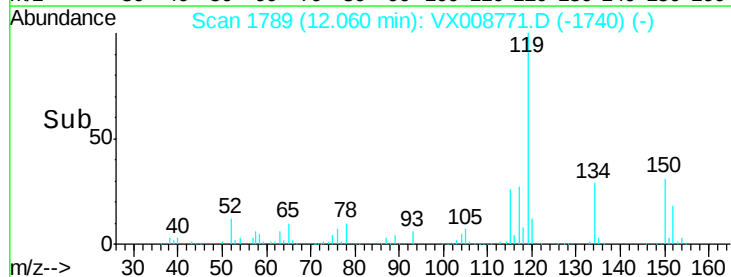
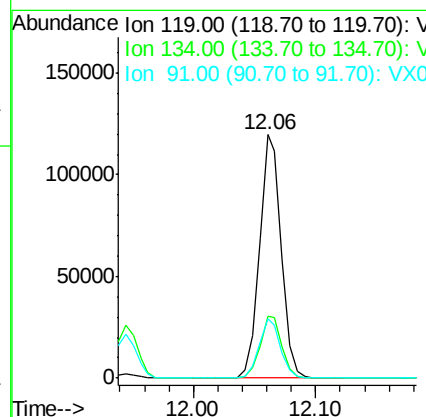
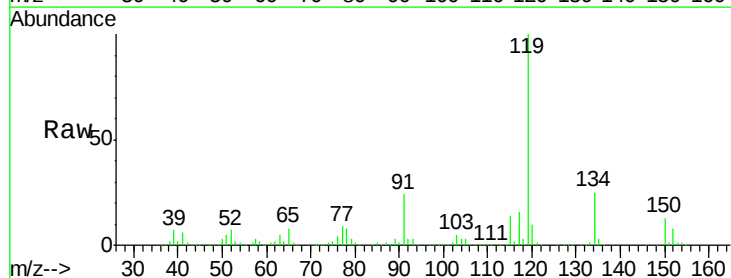
Tgt Ion:119 Resp: 148039

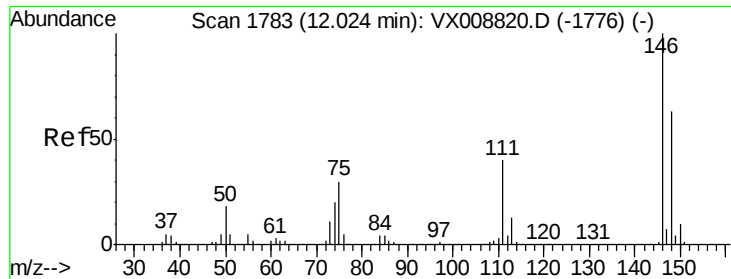
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.2 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 17.558 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

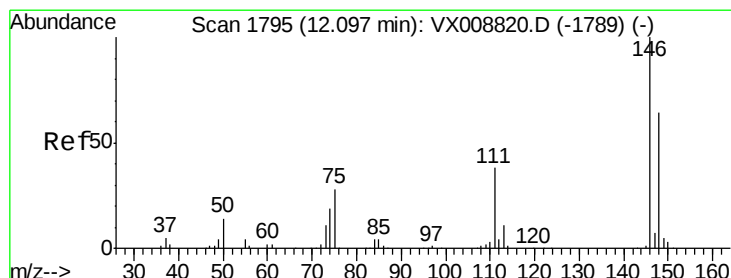
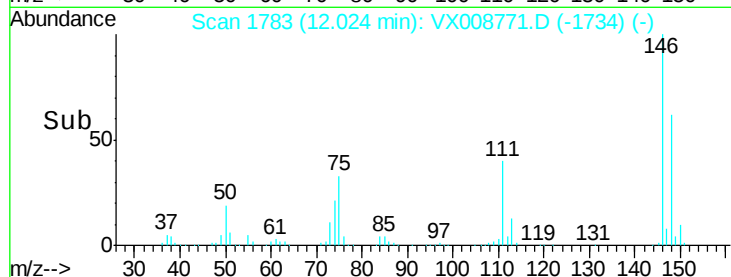
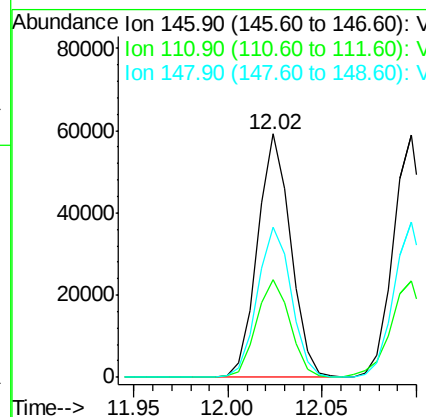
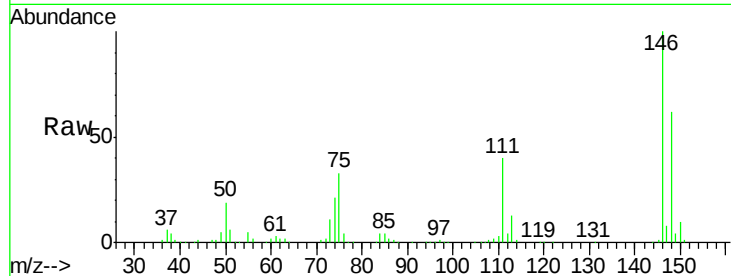
ClientSampleId :

VX0409MBS01

Tot Ion:	146	Resp:	72189
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.5	61.5
148	63.2	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.295 ug/l

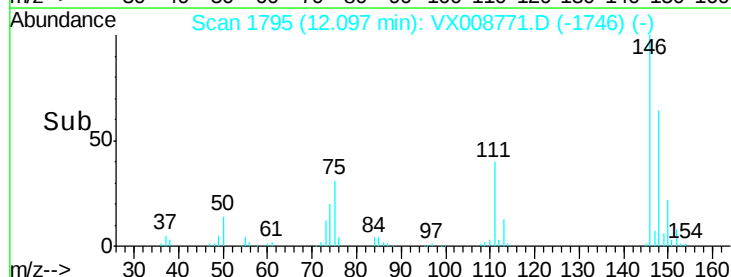
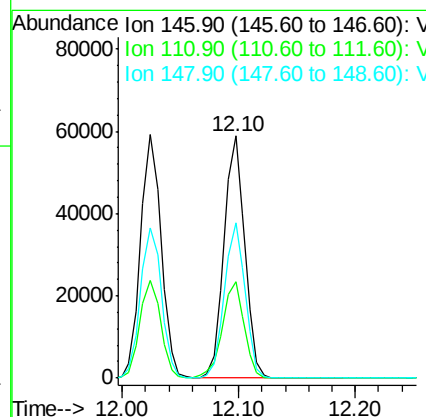
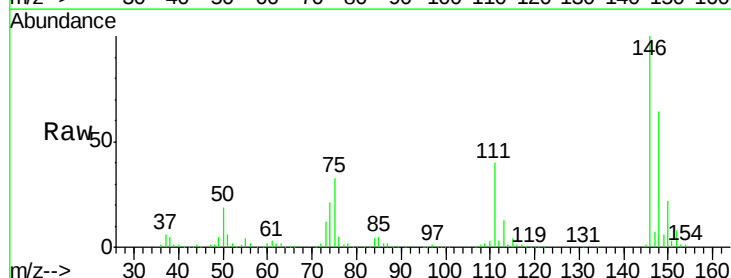
RT: 12.10 min Scan# 1795

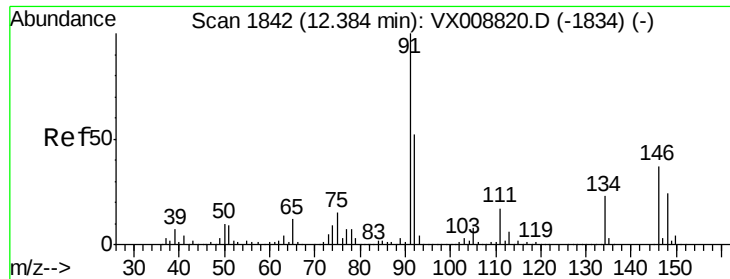
Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Tgt Ion:	146	Resp:	72005
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.2	60.6
148	64.3	32.0	96.0





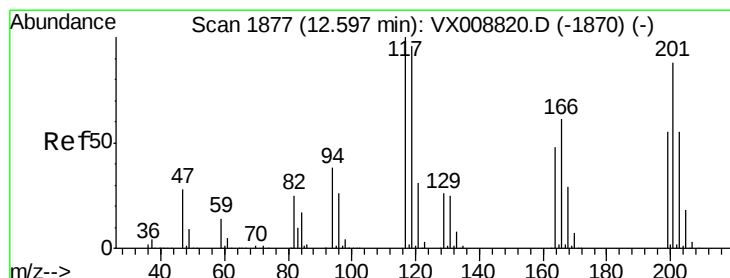
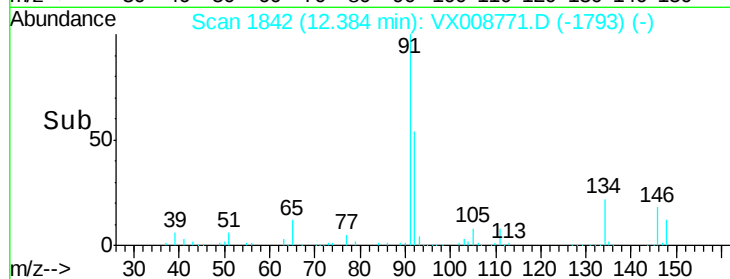
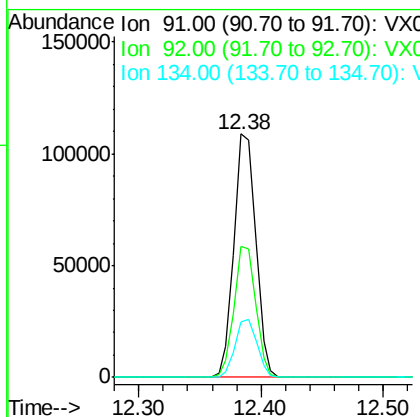
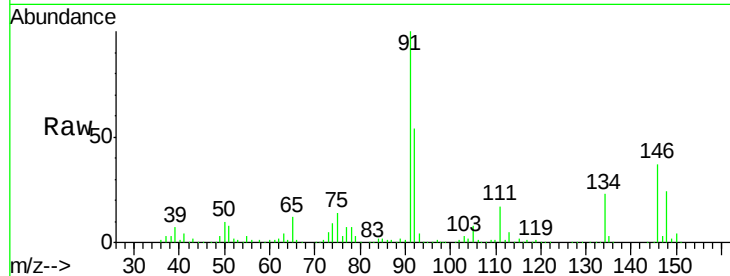
#89
n-Butylbenzene
Concen: 17.400 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	134220		
92	53.4	26.4	79.2	
134	24.0	12.0	36.0	

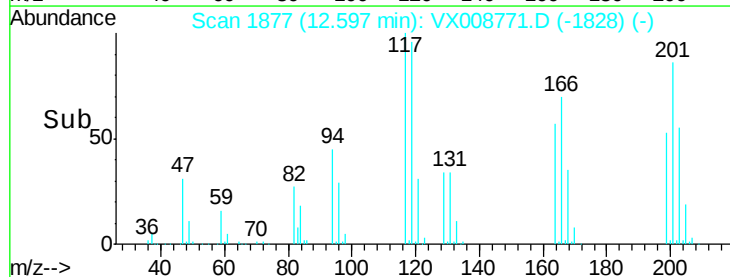
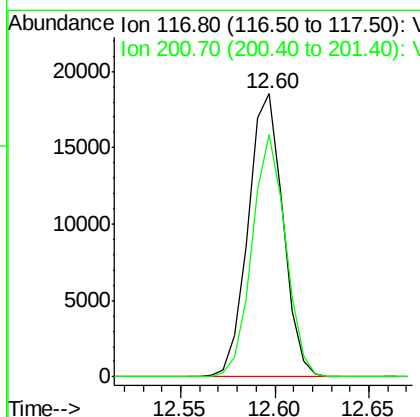
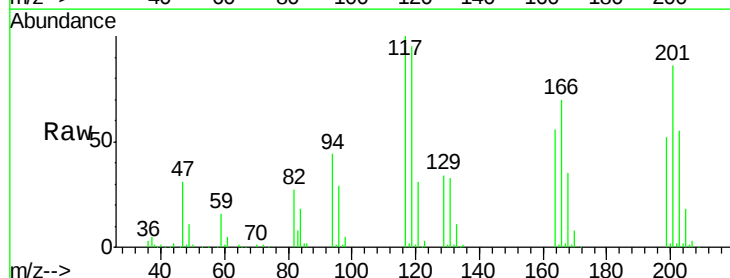
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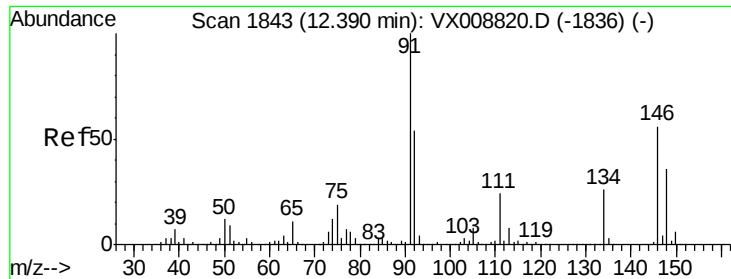
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#90
Hexachloroethane
Concen: 17.413 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008771.D
Acq: 09 Apr 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	23756		
201	82.1	40.6	122.0	





#91

1,2-Dichlorobenzene

Concen: 18.086 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

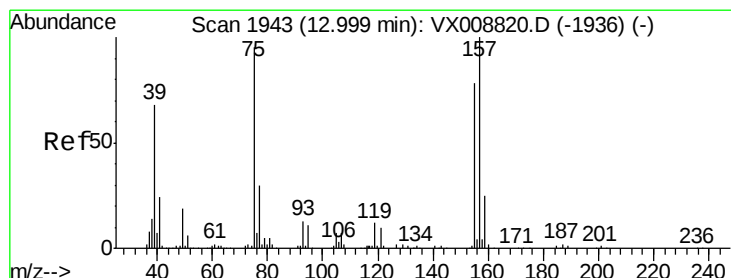
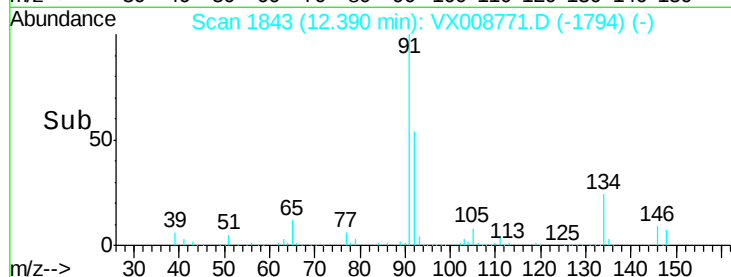
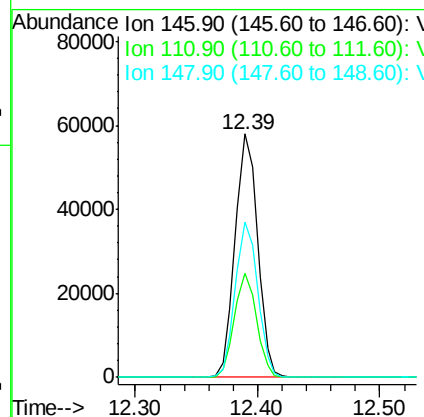
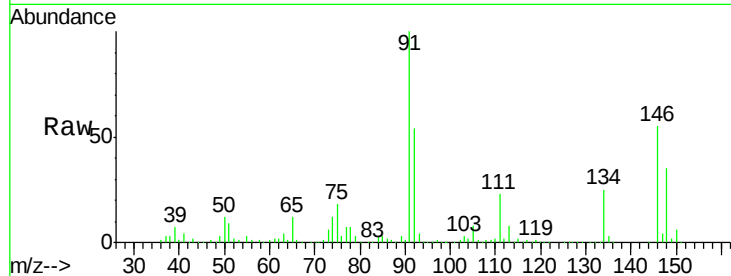
ClientSampleId :

VX0409MBS01

Tot Ion:	146	Resp:	73832
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.3	63.9
148	63.5	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.975 ug/l

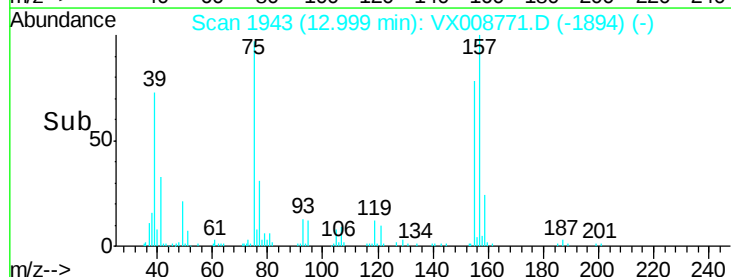
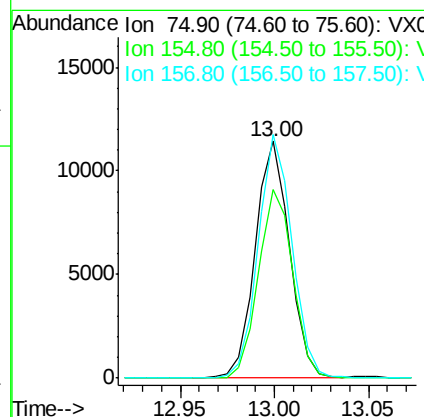
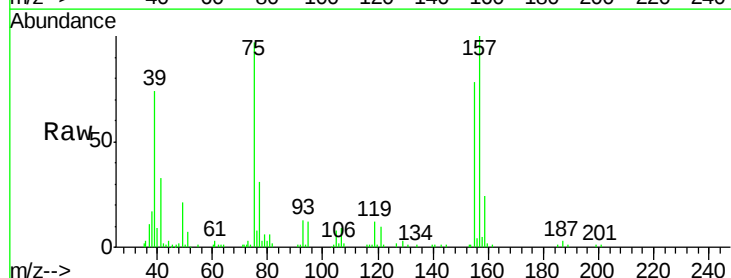
RT: 13.00 min Scan# 1943

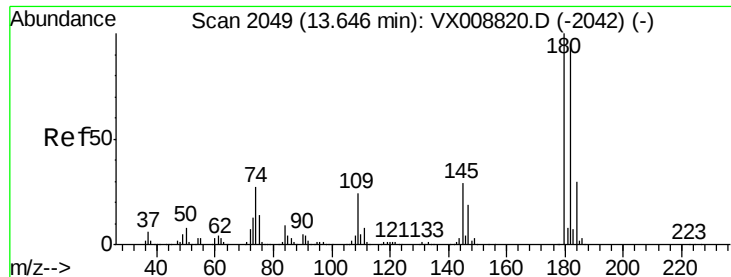
Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Tgt Ion:	75	Resp:	14367
Ion Ratio	Lower	Upper	
75	100		
155	79.5	39.9	119.6
157	101.6	51.5	154.7





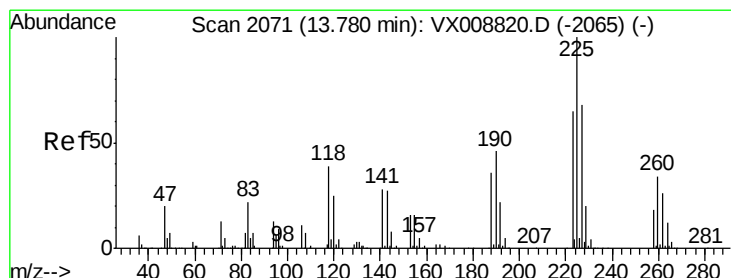
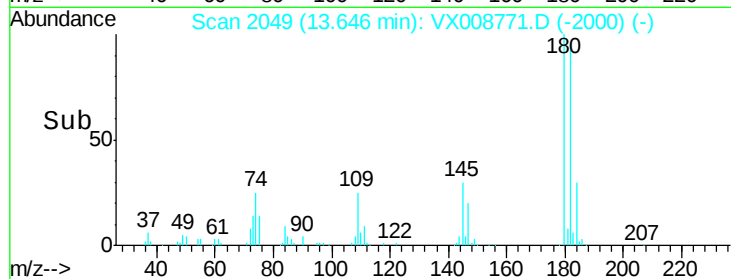
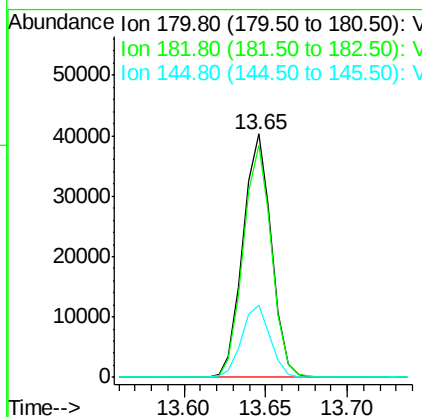
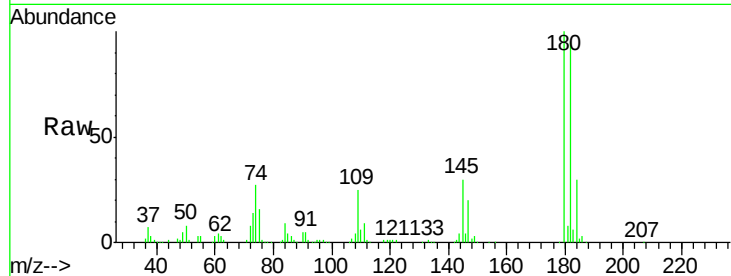
#93
 1,2,4-Trichlorobenzene
 Concen: 17.296 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409MBS01

Tot Ion:	180	Resp:	49091
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.2	141.6
145	29.7	15.3	45.9

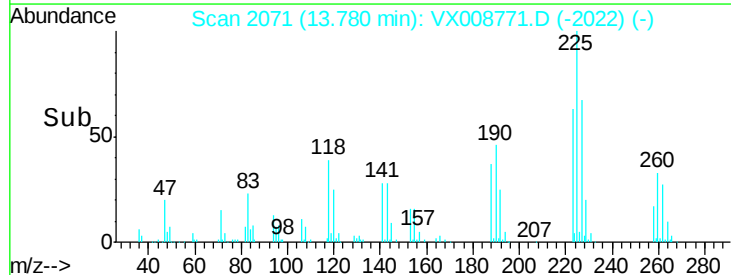
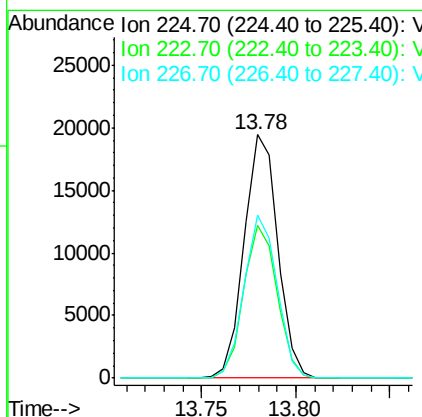
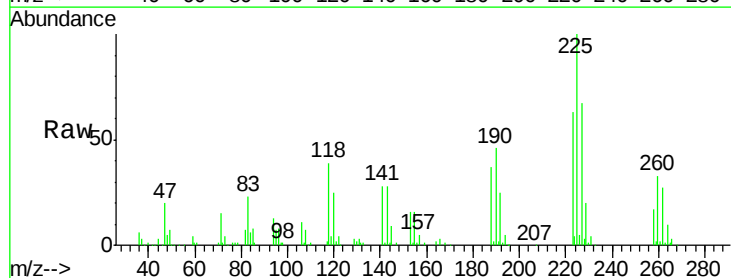
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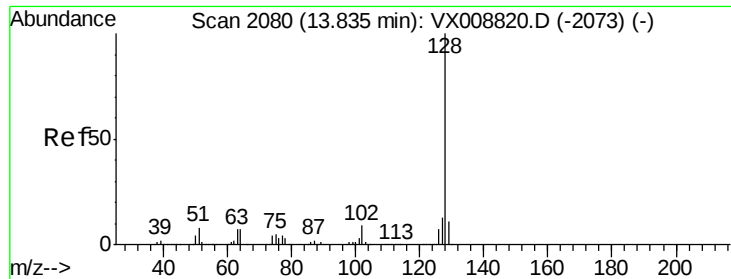
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#94
 Hexachlorobutadiene
 Concen: 17.713 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008771.D
 Acq: 09 Apr 2019 15:25

Tgt Ion:	225	Resp:	24111
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.2	93.6
227	65.7	31.9	95.5





#95

Naphthalene

Concen: 18.356 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Instrument :

MSVOA_X

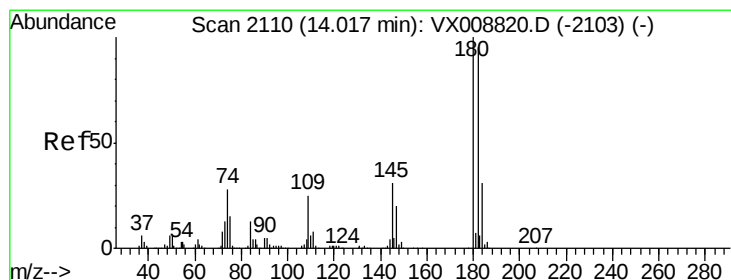
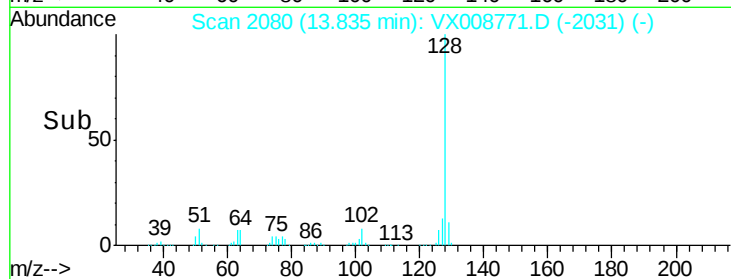
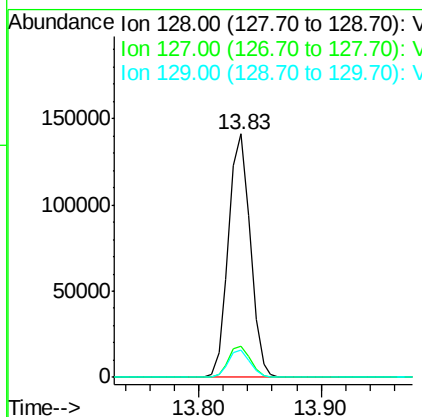
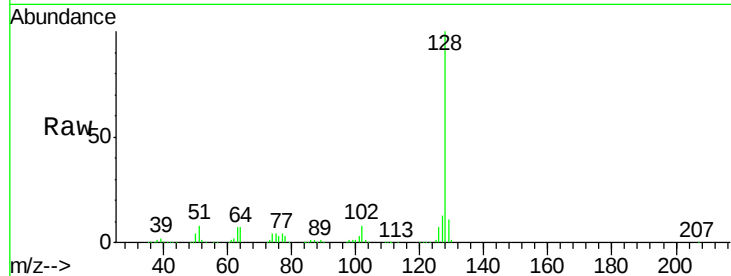
ClientSampleId :

VX0409MBS01

Tot Ion:	128	Resp:	174127
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.691 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008771.D

Acq: 09 Apr 2019 15:25

Tgt Ion:	180	Resp:	50168
Ion Ratio		Lower	Upper
180	100		
182	95.4	48.1	144.3
145	31.8	16.3	48.8

