

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090719\
 Data File : VX012171.D
 Acq On : 07 Sep 2019 11:14
 Operator : SY/SP
 Sample : VX0907SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:18:56 AM

Quant Time: Sep 08 08:00:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	145198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	254106	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116154	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	103858	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	5.48	113	85856	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
50) Toluene-d8	8.71	98	324801	56.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.28%	
62) 4-Bromofluorobenzene	11.13	95	139817	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	26654	19.906	ug/l	99
3) Chloromethane	1.31	50	26025	18.979	ug/l	100
4) Vinyl Chloride	1.40	62	24728	19.167	ug/l	97
5) Bromomethane	1.62	94	11703	18.286	ug/l	96
6) Chloroethane	1.71	64	15884	19.805	ug/l	98
7) Trichlorofluoromethane	1.92	101	43137	21.527	ug/l	98
8) Diethyl Ether	2.17	74	12806	18.493	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24471	16.488	ug/l #	83
10) Methyl Iodide	2.50	142	17595	17.061	ug/l	93
11) Tert butyl alcohol	3.03	59	14660	76.183	ug/l	96
12) 1,1-Dichloroethene	2.36	96	21715	15.188	ug/l	89
13) Acrolein	2.28	56	5443	89.866	ug/l	96
14) Allyl chloride	2.72	41	49098	18.978	ug/l	97
15) Acrylonitrile	3.12	53	35836	82.356	ug/l	98
16) Acetone	2.43	43	40053	83.641	ug/l	95
17) Carbon Disulfide	2.56	76	66375	15.885	ug/l	99
18) Methyl Acetate	2.76	43	19876	17.619	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	80731	17.344	ug/l	98
20) Methylene Chloride	2.84	84	32466	16.883	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	30293	18.055	ug/l	90
22) Diisopropyl ether	3.84	45	99095	18.792	ug/l	95
23) Vinyl Acetate	3.80	43	293593	86.069	ug/l	96
24) 1,1-Dichloroethane	3.68	63	57104	18.672	ug/l	99
25) 2-Butanone	4.65	43	50534	82.902	ug/l	96
26) 2,2-Dichloropropane	4.56	77	58130	20.587	ug/l	94
27) cis-1,2-Dichloroethene	4.58	96	35649	18.126	ug/l	90
28) Bromochloromethane	5.00	49	24637	20.181	ug/l #	80
29) Tetrahydrofuran	5.12	42	28499	77.599	ug/l	98
30) Chloroform	5.19	83	62647	19.090	ug/l	97
31) Cyclohexane	5.56	56	47003	19.136	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	58560	20.489	ug/l	96
36) 1,1-Dichloropropene	5.79	75	44016	19.667	ug/l	95
37) Ethyl Acetate	4.82	43	20376	16.743	ug/l	96
38) Carbon Tetrachloride	5.77	117	48189	20.434	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	50273	19.354	ug/l	95
40) Benzene	6.13	78	121938	18.979	ug/l	100
41) Methacrylonitrile	5.03	41	12807	17.646	ug/l	96
42) 1,2-Dichloroethane	6.18	62	45207	19.552	ug/l	98
43) Isopropyl Acetate	6.43	43	42309	17.097	ug/l	99
44) Trichloroethene	7.20	130	34161	19.713	ug/l	87
45) 1,2-Dichloropropane	7.50	63	30983	18.665	ug/l	97
46) Dibromomethane	7.65	93	17368	17.923	ug/l #	72
47) Bromodichloromethane	7.89	83	47521	19.293	ug/l	99
48) Methyl methacrylate	7.76	41	21462	17.249	ug/l	96
49) 1,4-Dioxane	7.73	88	5426	319.894	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	111083	88.253	ug/l	97
52) Toluene	8.78	92	80206	19.186	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	46190	18.113	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	53023	18.698	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	24958	18.015	ug/l	97
56) Ethyl methacrylate	9.17	69	34040	17.154	ug/l	95
57) 1,3-Dichloropropane	9.37	76	44318	18.538	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	81180	90.740	ug/l	93
59) 2-Hexanone	9.48	43	82209	89.510	ug/l	95
60) Dibromochloromethane	9.57	129	29702	17.989	ug/l	97
61) 1,2-Dibromoethane	9.67	107	24064	17.976	ug/l	96
64) Tetrachloroethene	9.33	164	28803	20.102	ug/l	88
65) Chlorobenzene	10.14	112	88230	19.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	32292	19.475	ug/l	97
67) Ethyl Benzene	10.25	91	164509	19.902	ug/l	97
68) m/p-Xylenes	10.36	106	121462	39.883	ug/l	88
69) o-Xylene	10.70	106	58225	19.716	ug/l	90
70) Styrene	10.71	104	100220	19.538	ug/l	95
71) Bromoform	10.85	173	15328	16.831	ug/l #	97
73) Isopropylbenzene	11.01	105	164729	19.329	ug/l	97
74) N-amyl acetate	10.89	43	41897	16.627	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	29810	16.778	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	27112m	19.103	ug/l	
77) Bromobenzene	11.25	156	35638	18.697	ug/l	69
78) n-propylbenzene	11.35	91	198134	19.244	ug/l	94
79) 2-Chlorotoluene	11.42	91	119881	19.219	ug/l	89
80) 1,3,5-Trimethylbenzene	11.50	105	147110	19.697	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	9499	15.824	ug/l	91
82) 4-Chlorotoluene	11.51	91	145101	19.517	ug/l	91
83) tert-Butylbenzene	11.76	119	142701	20.047	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	146324	19.063	ug/l	94
85) sec-Butylbenzene	11.94	105	178158	20.150	ug/l	93
86) p-Isopropyltoluene	12.06	119	158106	19.663	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	72665	19.026	ug/l	91
88) 1,4-Dichlorobenzene	12.09	146	73478	19.240	ug/l	93
89) n-Butylbenzene	12.39	91	155116	19.859	ug/l	96
90) Hexachloroethane	12.59	117	29678	18.485	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	66586	19.358	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6113	16.442	ug/l	62

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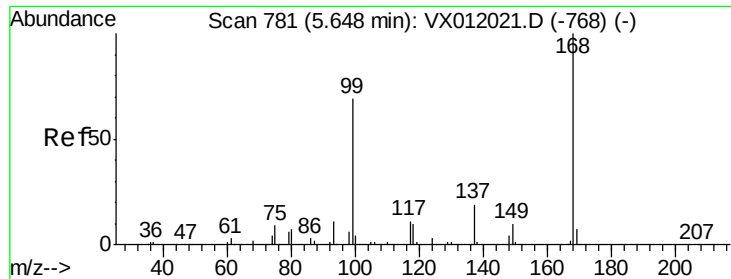
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	46669	19.062	ug/l	96
94) Hexachlorobutadiene	13.78	225	25789	20.896	ug/l	96
95) Naphthalene	13.83	128	90047	16.994	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	40042	18.590	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion:168 Resp: 145198

Ion Ratio Lower Upper

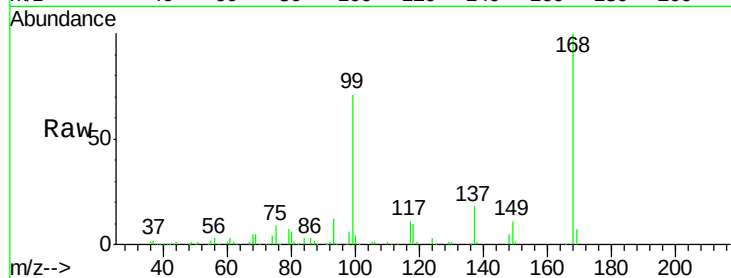
168 100

99 70.6 37.6 56.4#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

30000

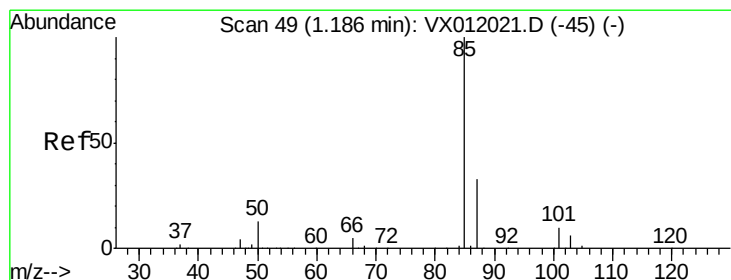
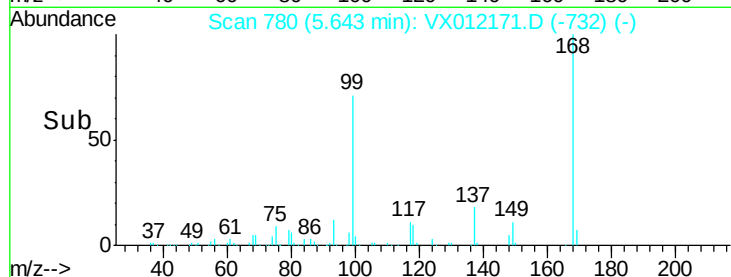
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.906 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012171.D

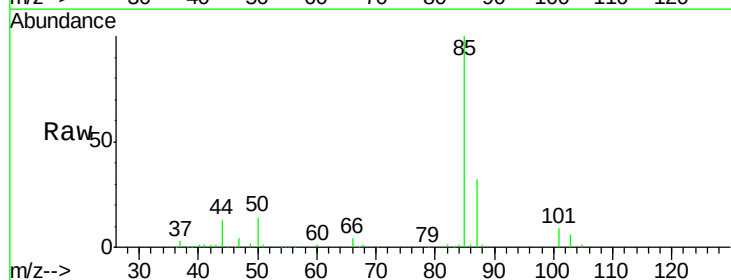
Acq: 07 Sep 2019 11:14

Tgt Ion: 85 Resp: 26654

Ion Ratio Lower Upper

85 100

87 31.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

15000

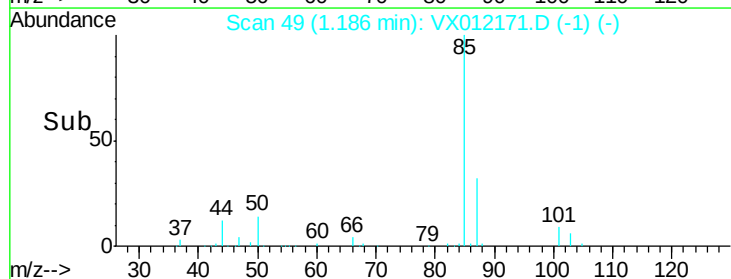
10000

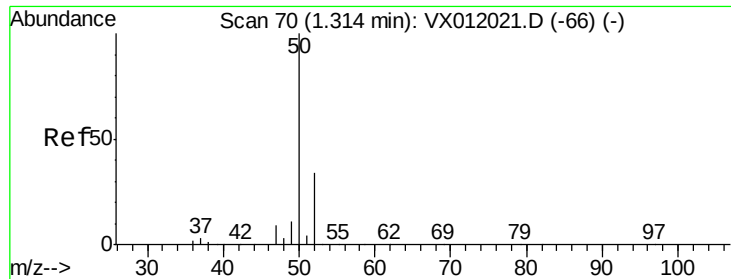
5000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.979 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion: 50 Resp: 26025

Ion Ratio Lower Upper

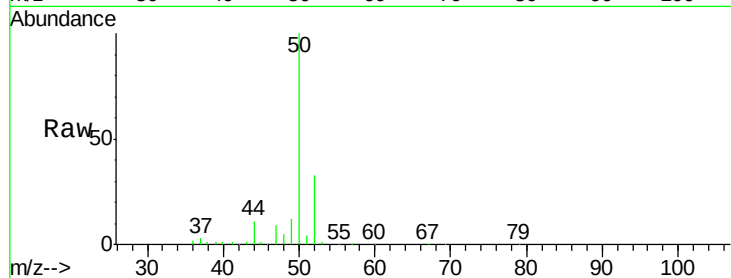
50 100

52 33.2 26.5 39.7

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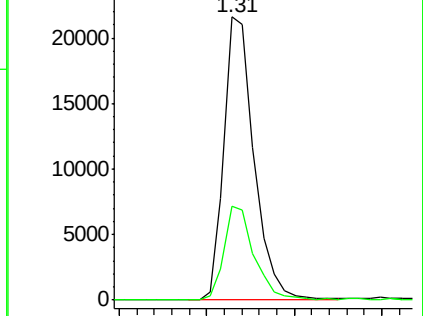
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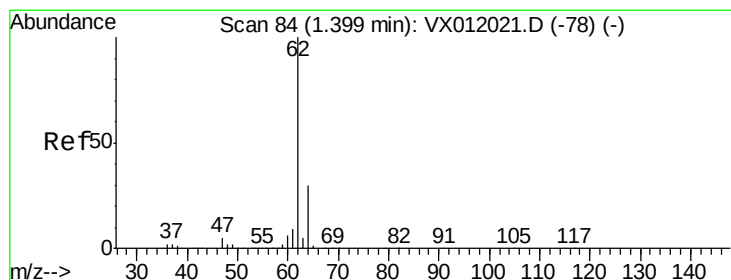
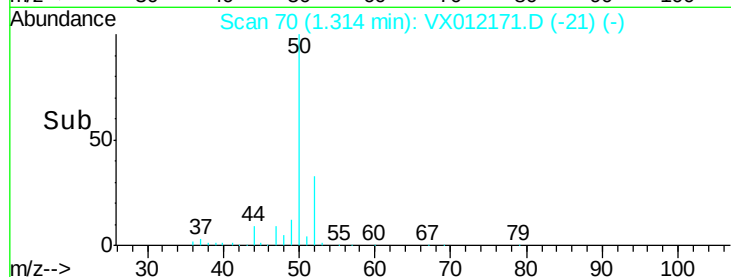


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 19.167 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.01 min

Lab File: VX012171.D

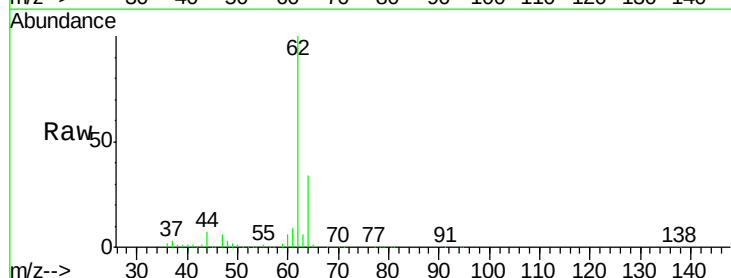
Acq: 07 Sep 2019 11:14

Tgt Ion: 62 Resp: 24728

Ion Ratio Lower Upper

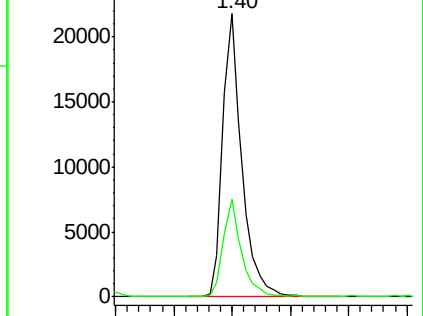
62 100

64 34.5 26.2 39.4

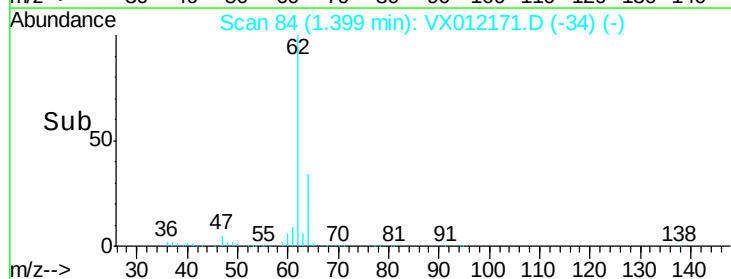


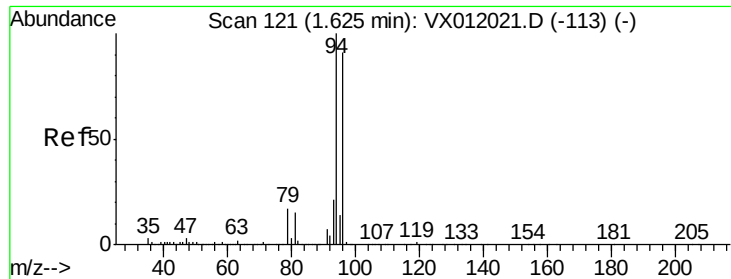
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 18.286 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion: 94 Resp: 11703

Ion Ratio Lower Upper

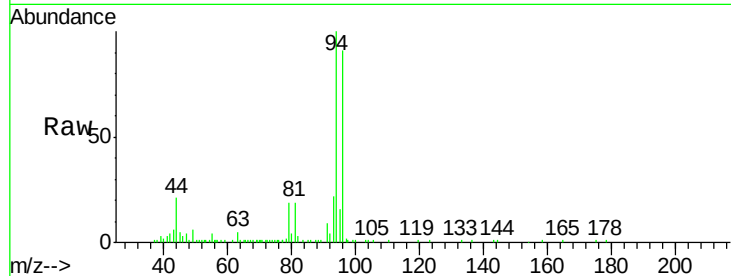
94 100

96 91.1 76.3 114.5

Manual Integrations
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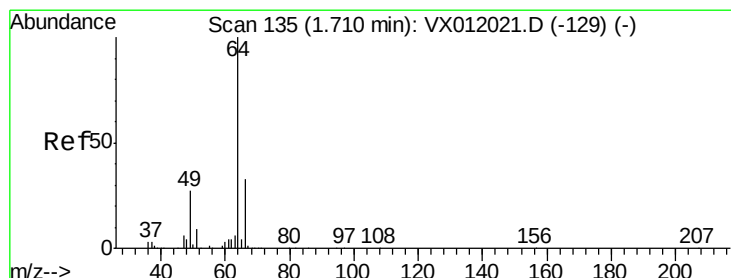
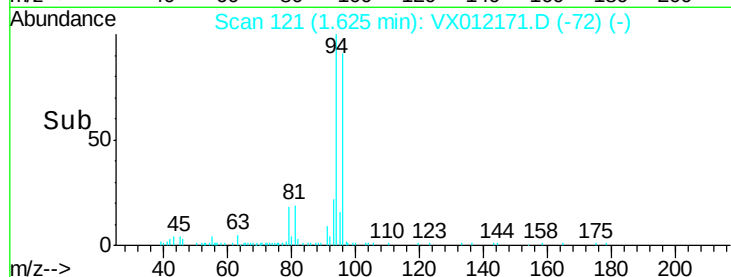
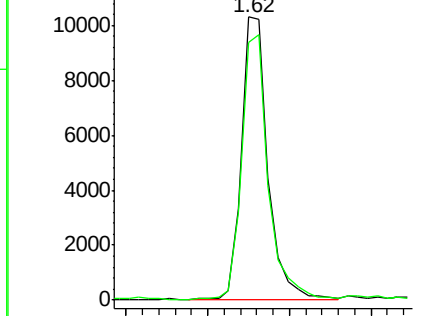
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.805 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012171.D

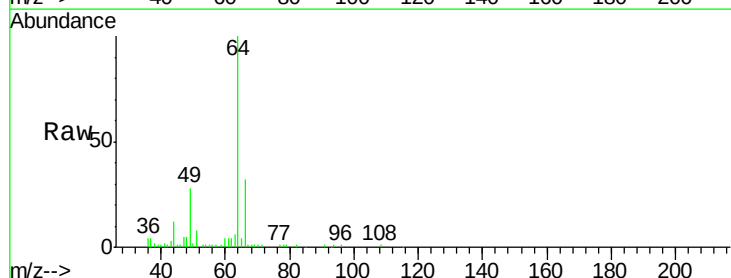
Acq: 07 Sep 2019 11:14

Tgt Ion: 64 Resp: 15884

Ion Ratio Lower Upper

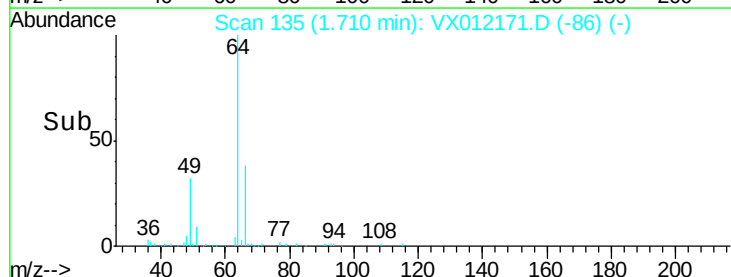
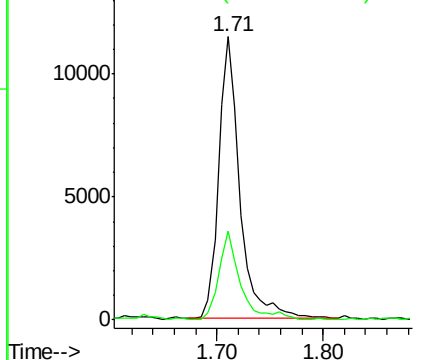
64 100

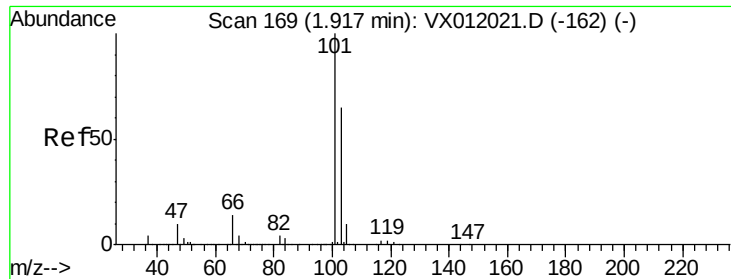
66 31.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

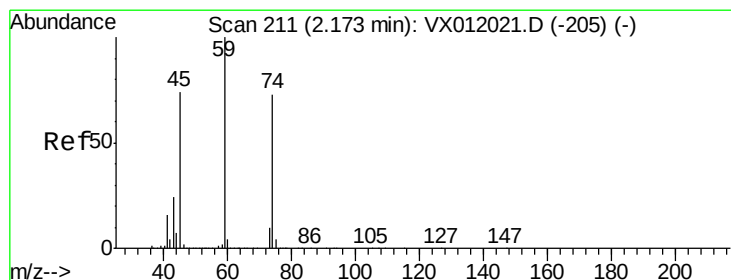
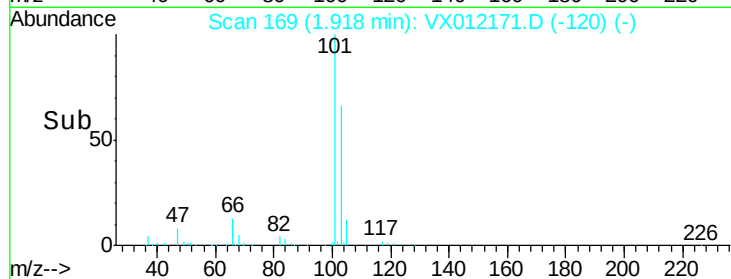
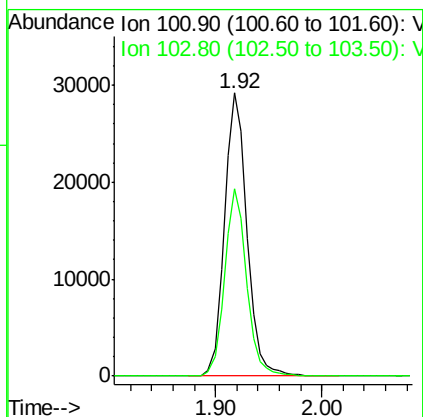
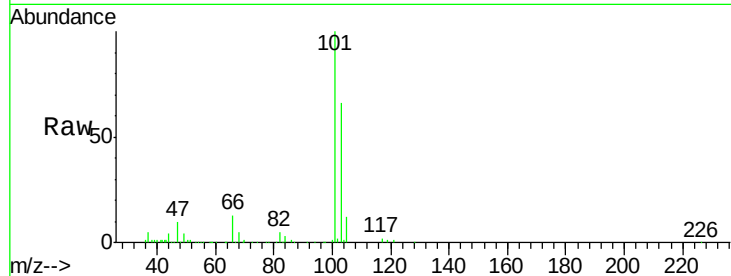
Trichlorofluoromethane
Concen: 21.527 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

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ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.6	77.4

Manual Integrations
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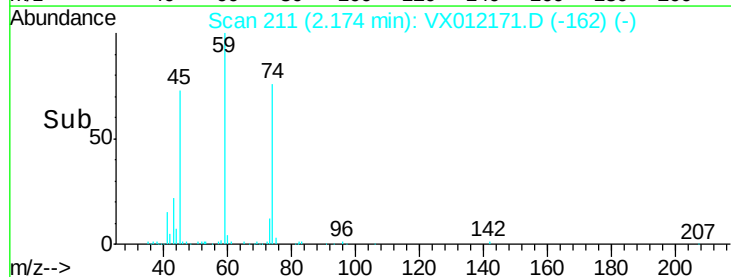
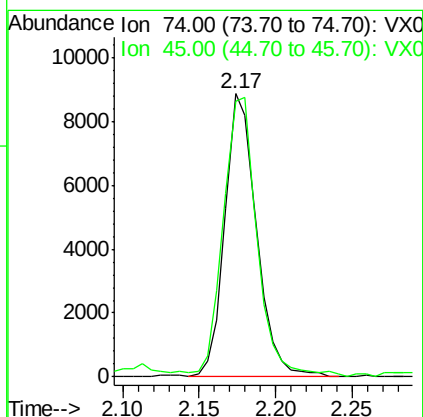
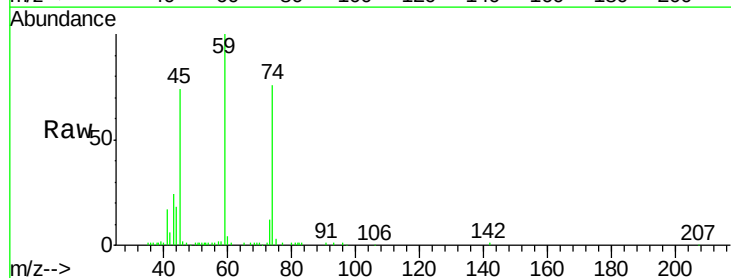
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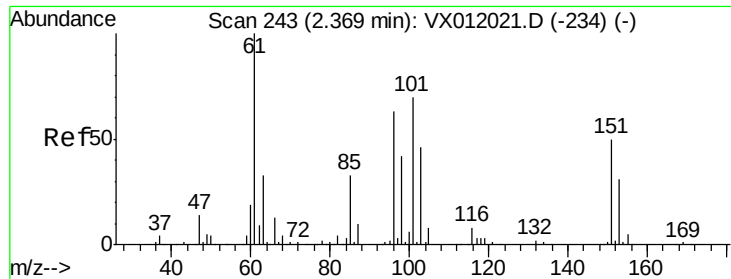


#8

Diethyl Ether
Concen: 18.493 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.4	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.488 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

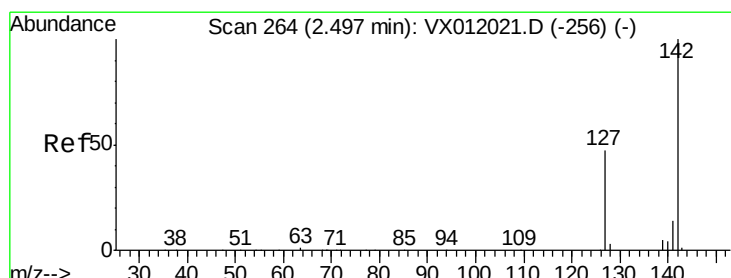
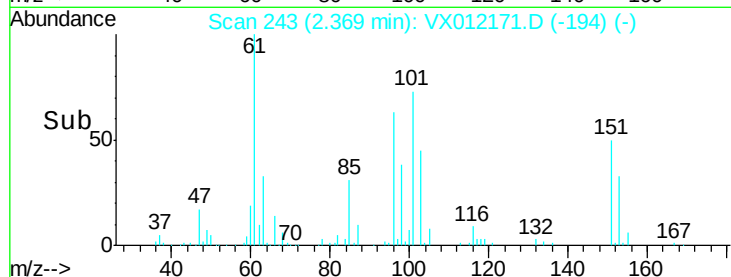
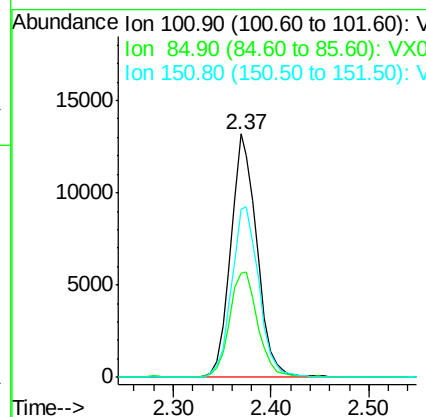
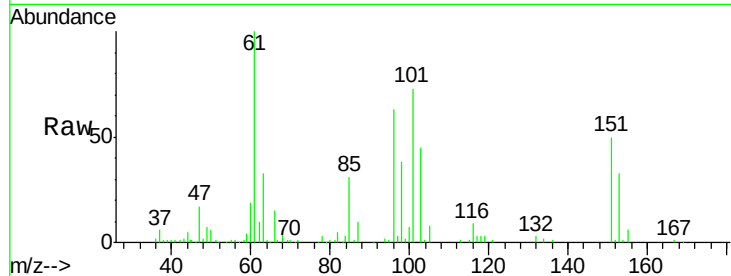
ClientSampleId :

VX0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	24471		
85	46.9	34.5	51.7	
151	72.8	75.0	112.4	

Manual Integrations
APPROVED

MMDadoda
9/9/2019 9:18:56 AM



#10

Methyl Iodide

Concen: 17.061 ug/l

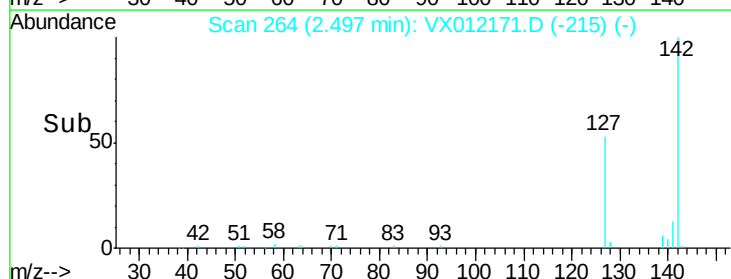
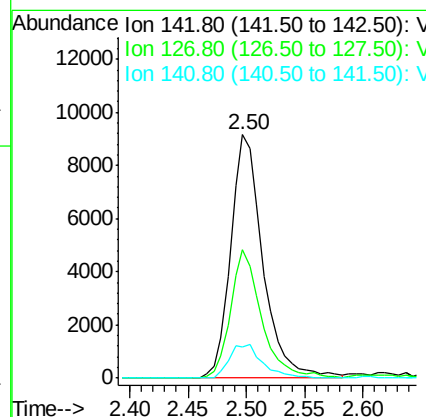
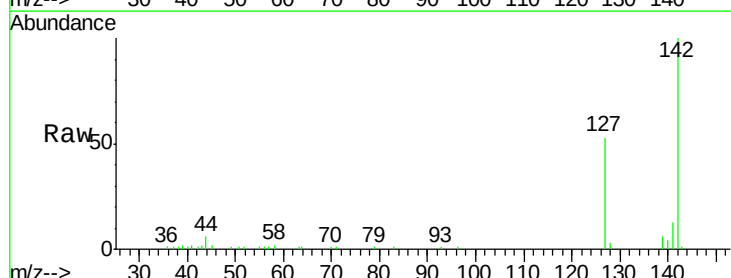
RT: 2.50 min Scan# 264

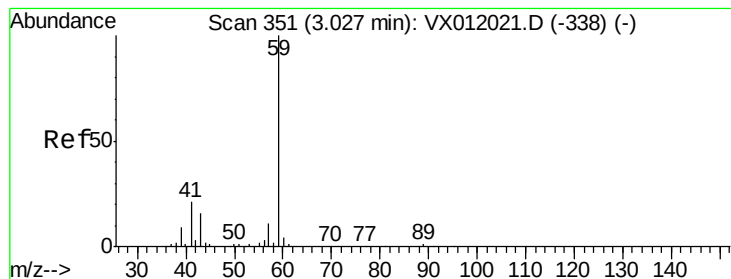
Delta R.T. 0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	17595		
127	50.7	35.4	53.2	
141	14.4	11.4	17.2	





#11

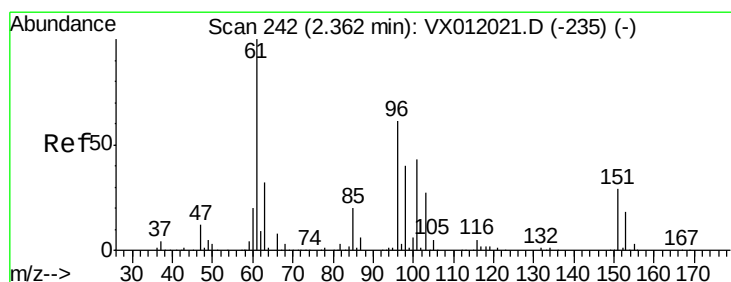
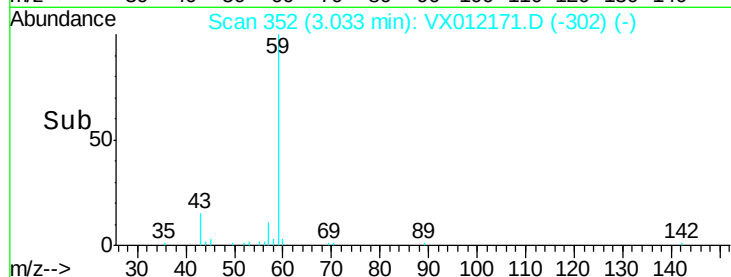
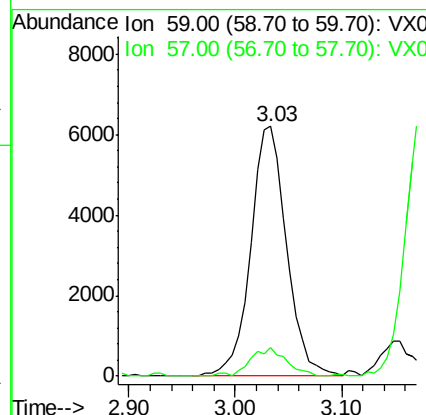
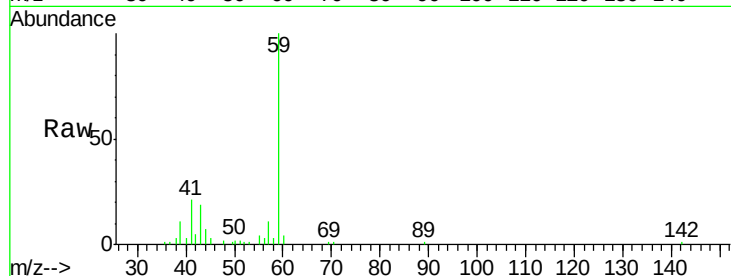
Tert butyl alcohol
Concen: 76.183 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	59	Resp	14660
Ion Ratio	100	Lower	Upper
57	11.2	7.9	11.9

Manual Integrations
APPROVED

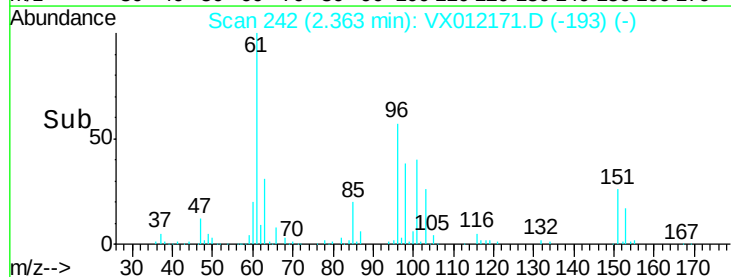
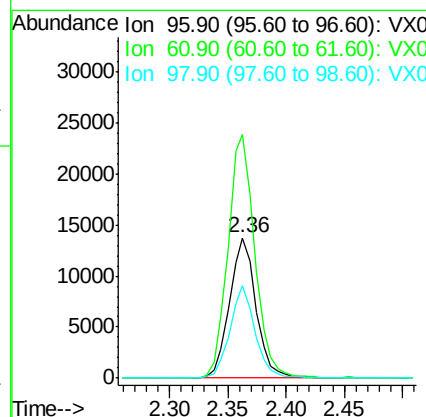
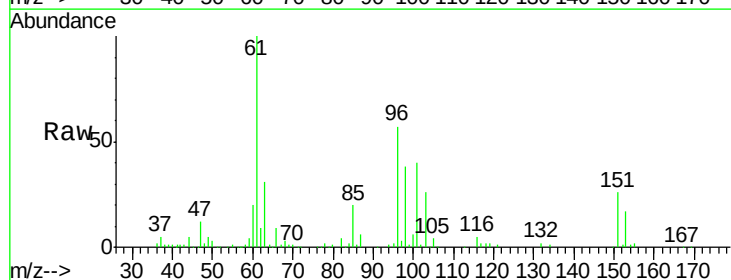
MMDadoda
9/9/2019 9:18:56 AM

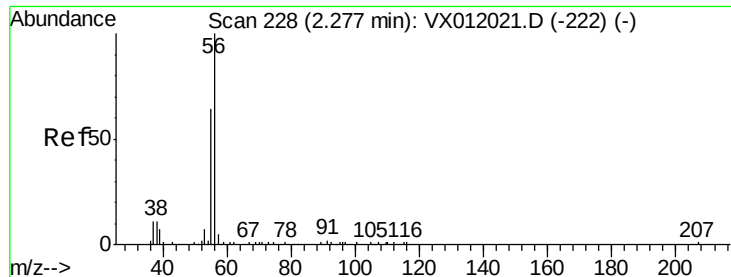


#12

1,1-Dichloroethene
Concen: 15.188 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	96	Resp	21715
Ion Ratio	100	Lower	Upper
61	173.6	124.1	186.1
98	66.2	50.2	75.2





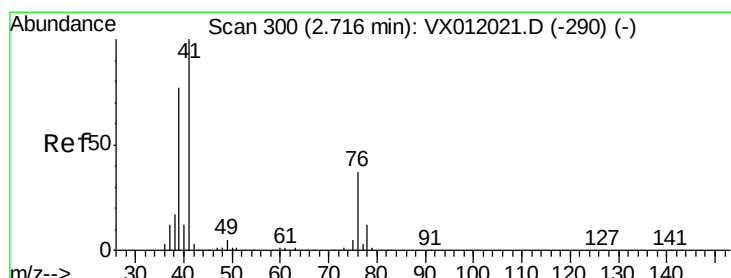
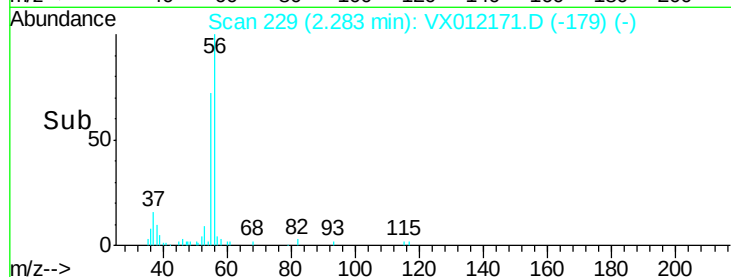
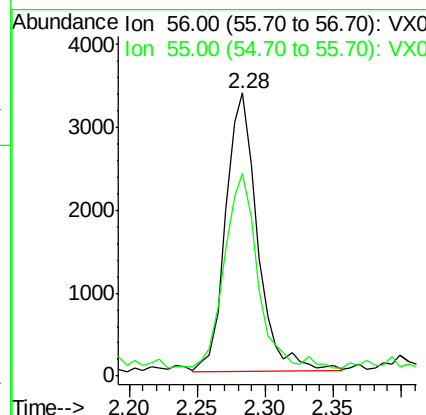
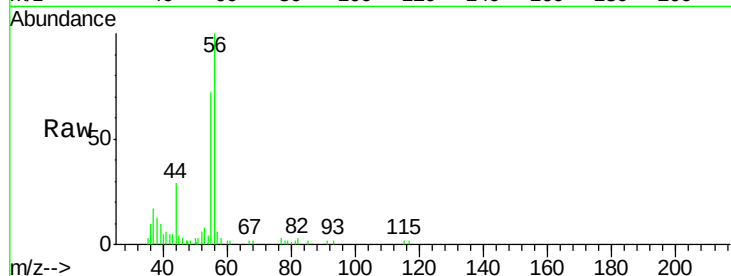
#13
Acrolein
Concen: 89.866 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.4	59.2	88.8

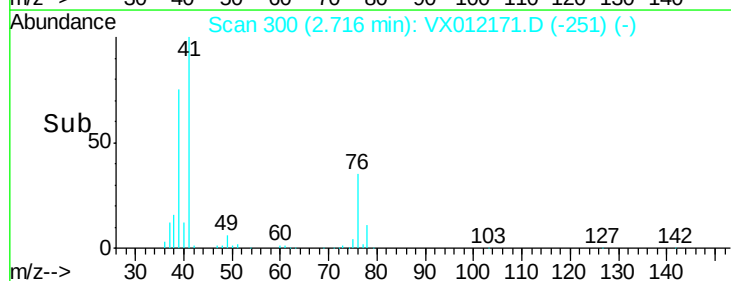
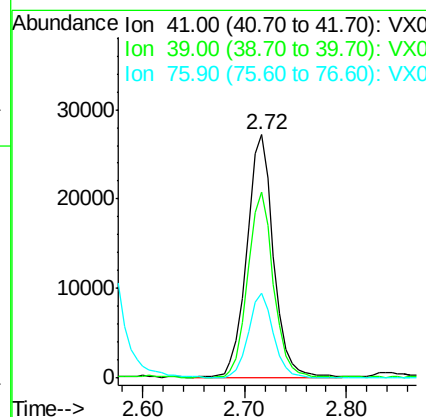
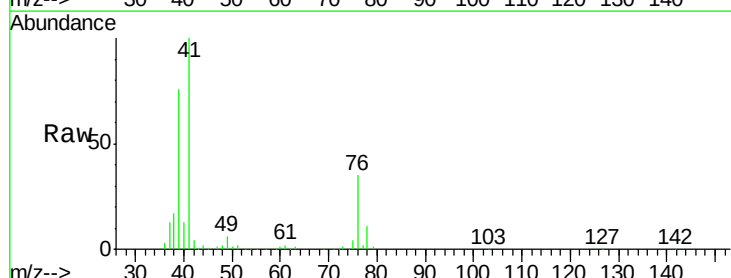
Manual Integrations
APPROVED

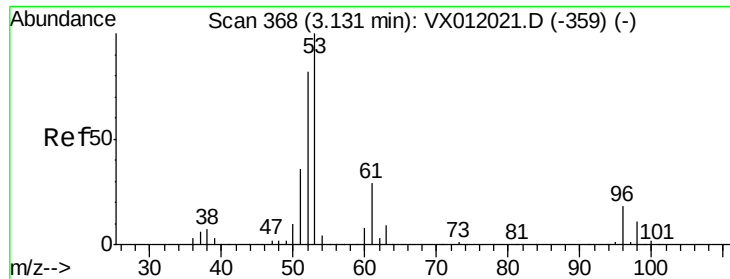
MMDadoda
9/9/2019 9:18:56 AM



#14
Allyl chloride
Concen: 18.978 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.9	57.9	86.9
76	33.1	28.5	42.7





#15

Acrylonitrile

Concen: 82.356 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

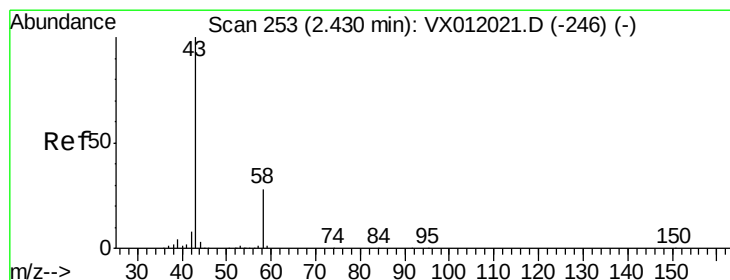
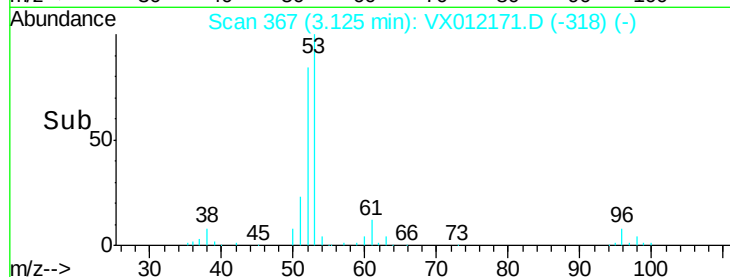
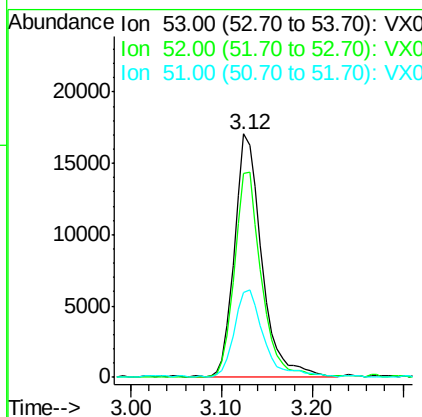
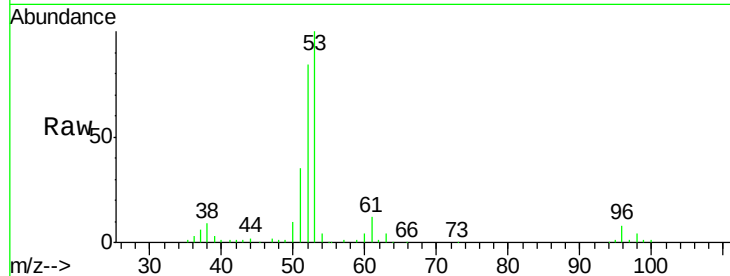
ClientSampleId :

VX0907SBS01

Tot Ion:	53	Resp:	35836
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.6	98.4
51	38.8	29.8	44.6

Manual Integrations
APPROVED

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9/9/2019 9:18:56 AM



#16

Acetone

Concen: 83.641 ug/l

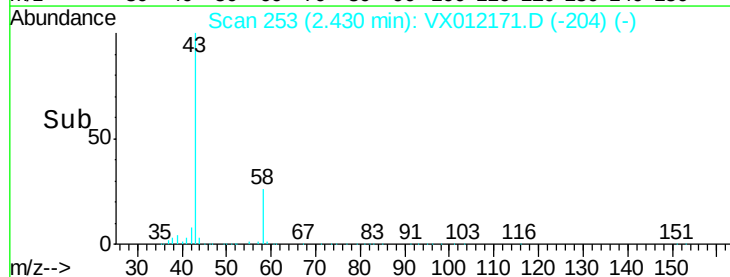
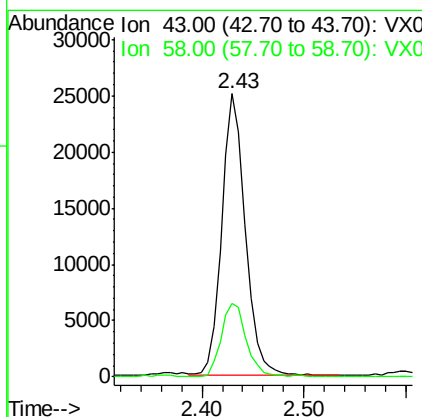
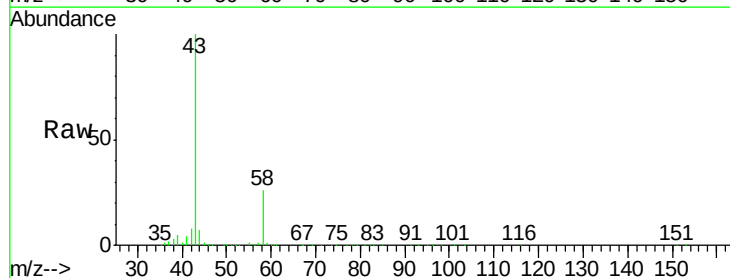
RT: 2.43 min Scan# 253

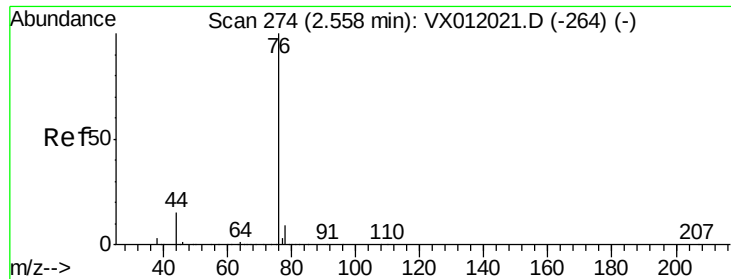
Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Tgt Ion:	43	Resp:	40053
Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.8	34.2





#17

Carbon Disulfide

Concen: 15.885 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampled :

VX0907SBS01

Tot Ion: 76 Resp: 66375

Ion Ratio Lower Upper

76 100

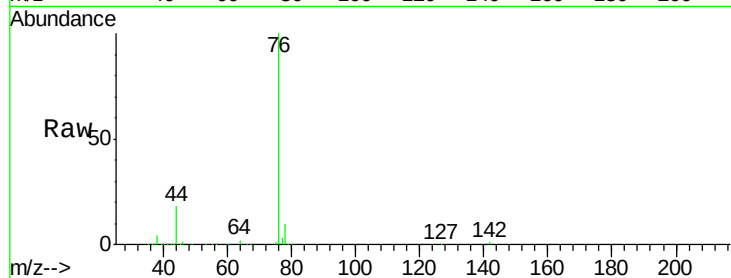
78 9.7 7.4 11.2

Manual Integrations

APPROVED

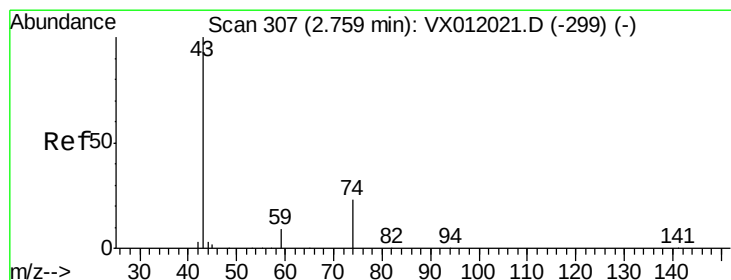
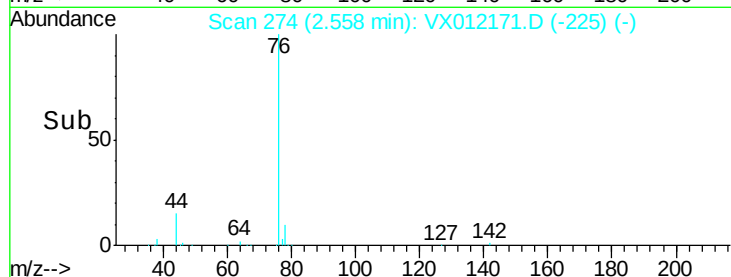
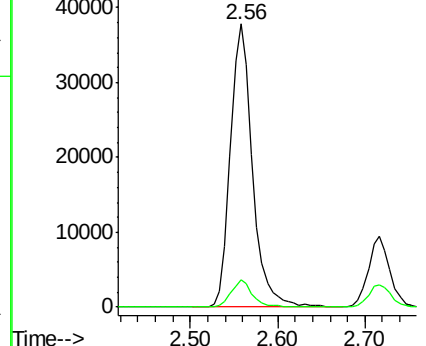
MMDadoda

9/9/2019 9:18:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.619 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012171.D

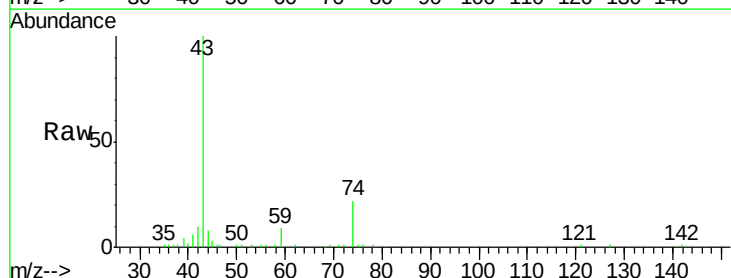
Acq: 07 Sep 2019 11:14

Tgt Ion: 43 Resp: 19876

Ion Ratio Lower Upper

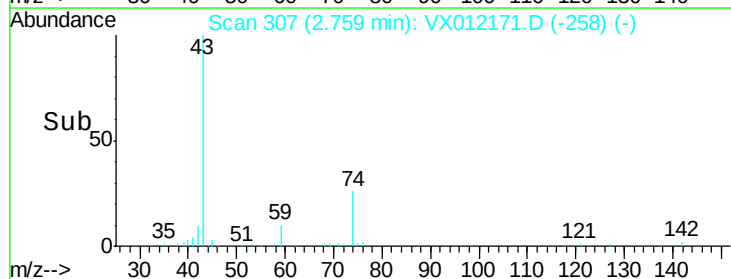
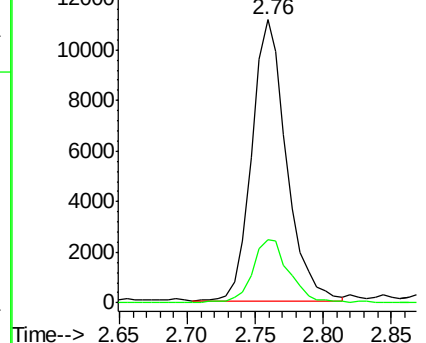
43 100

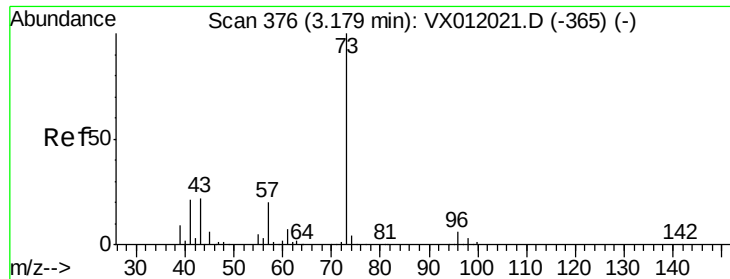
74 23.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





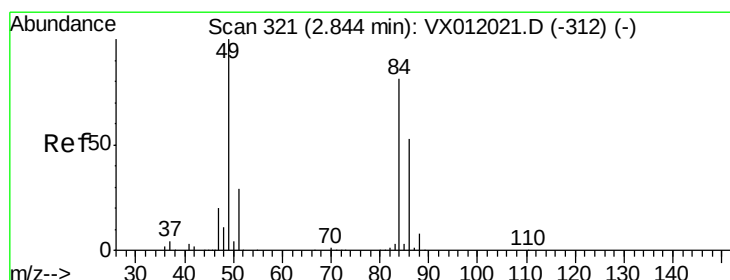
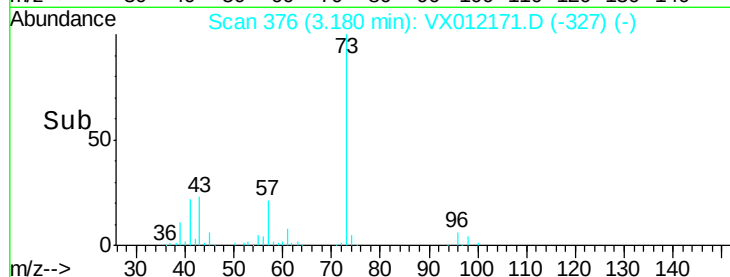
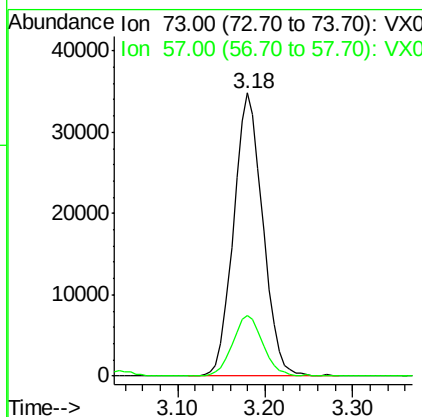
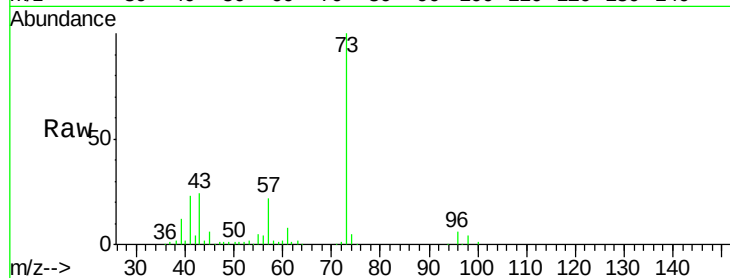
#19
Methvl tert-butyl Ether
Concen: 17.344 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.6	25.0

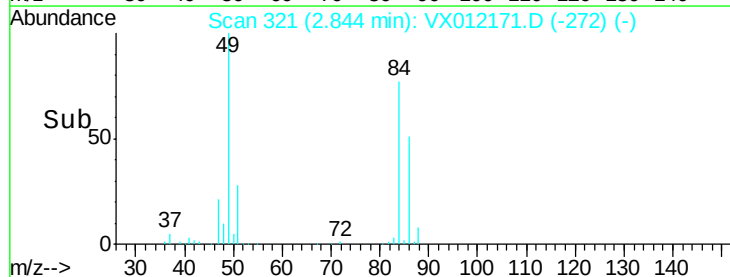
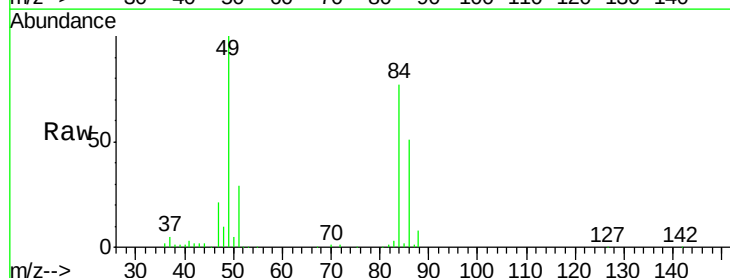
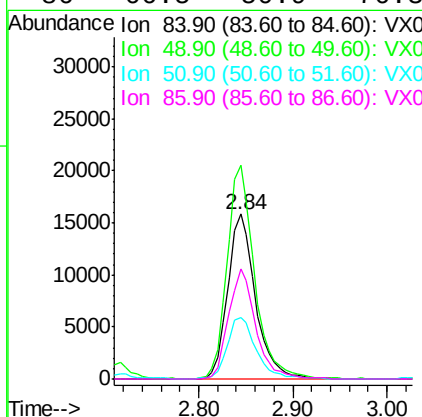
Manual Integrations
APPROVED

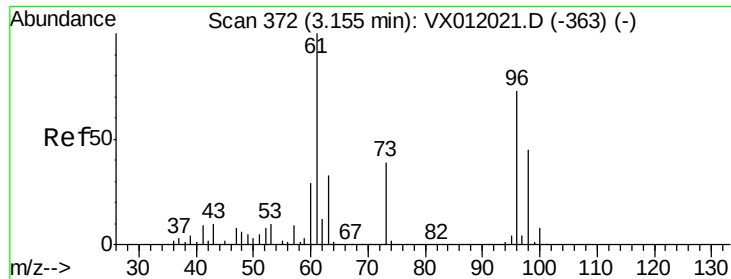
MMDadoda
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#20
Methylene Chloride
Concen: 16.883 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.7	95.8	143.8
51	37.2	28.6	43.0
86	66.5	50.9	76.3





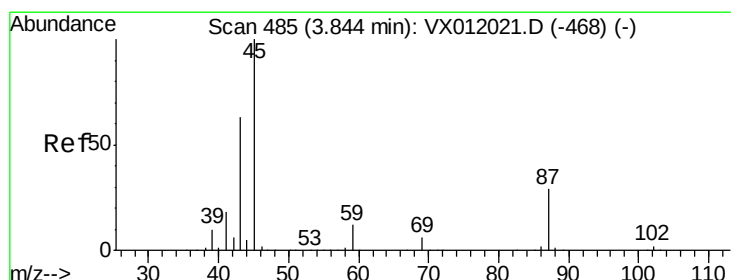
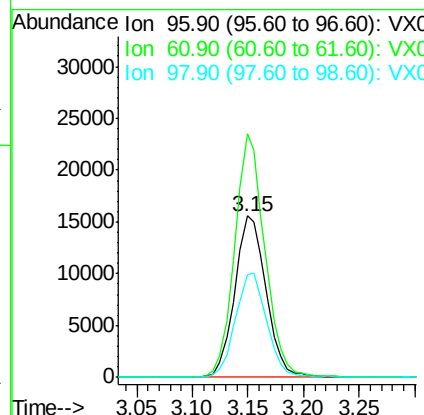
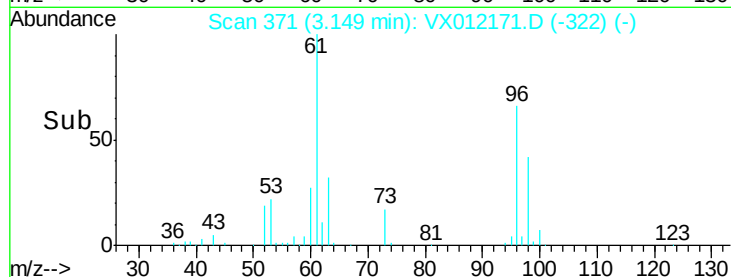
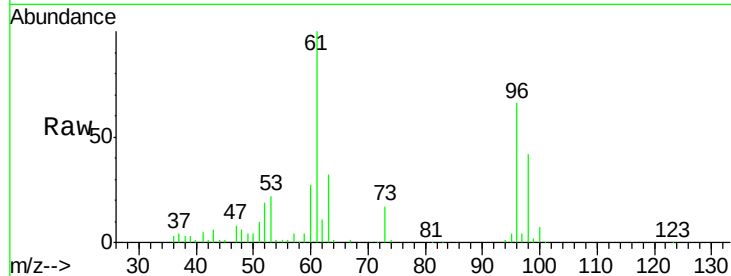
#21
trans-1,2-Dichloroethene
Concen: 18.055 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	107.0	160.6
98	63.5	49.8	74.6

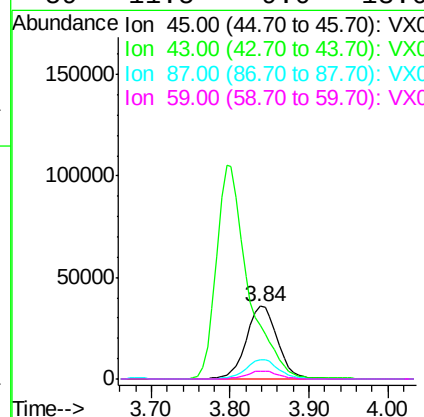
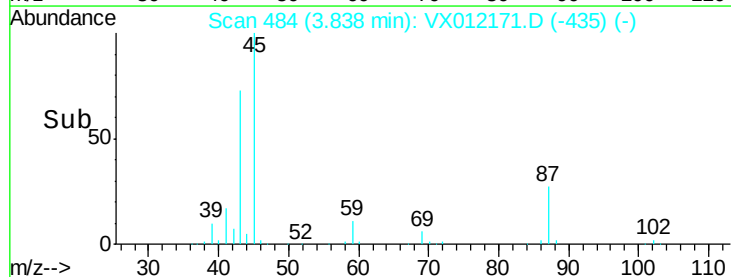
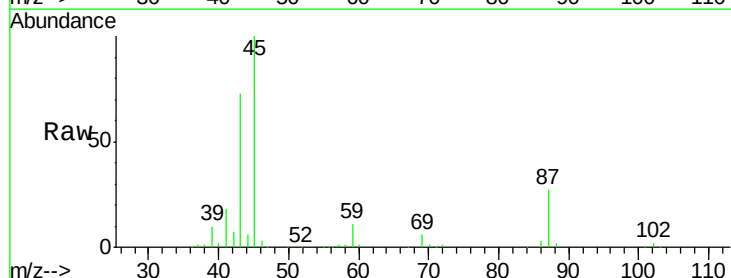
Manual Integrations
APPROVED

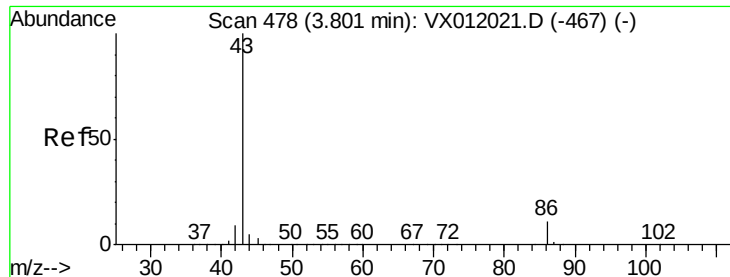
MMDadoda
9/9/2019 9:18:56 AM



#22
Diisopropyl ether
Concen: 18.792 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.2	54.2	81.4
87	26.8	23.4	35.0
59	11.5	9.0	13.6





#23

Vinyl Acetate

Concen: 86.069 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion: 43 Resp: 293593

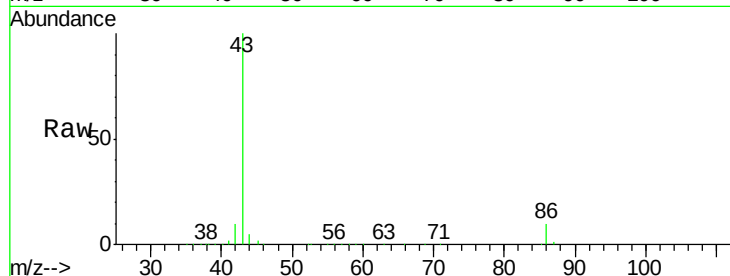
Ion Ratio Lower Upper

43 100

86 9.8 9.0 13.6

Manual Integrations
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9/9/2019 9:18:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

120000

100000

80000

60000

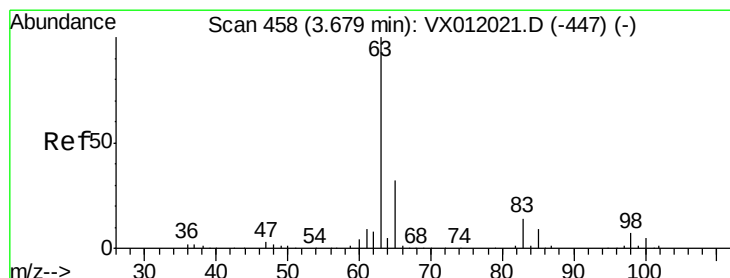
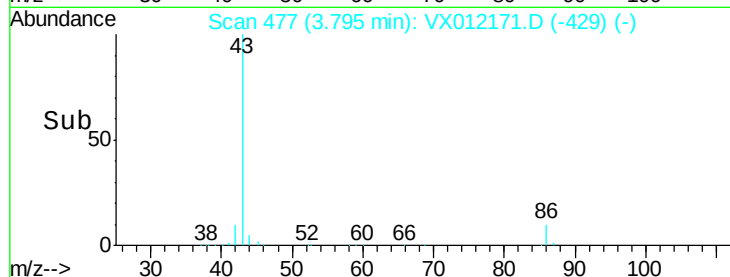
40000

20000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.672 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

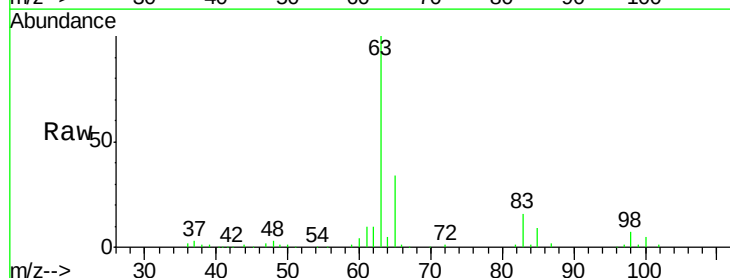
Tgt Ion: 63 Resp: 57104

Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

100 5.1 2.5 7.4



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

30000

25000

20000

15000

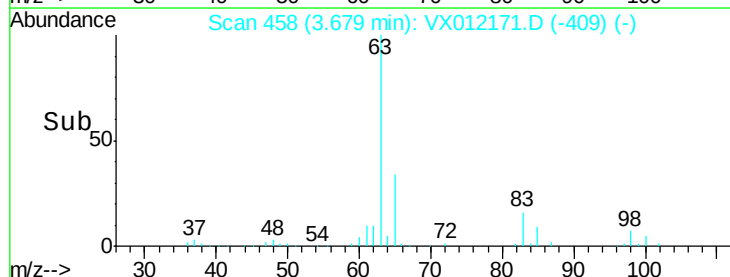
10000

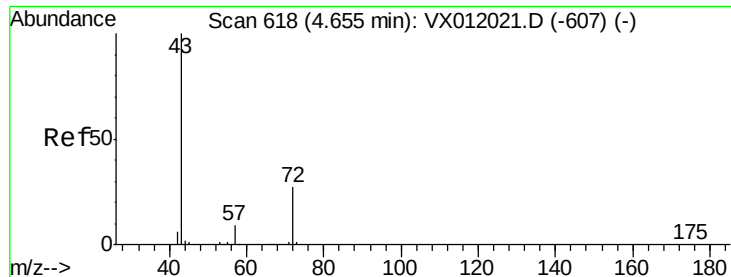
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 82.902 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion: 43 Resp: 50534

Ion Ratio Lower Upper

43 100

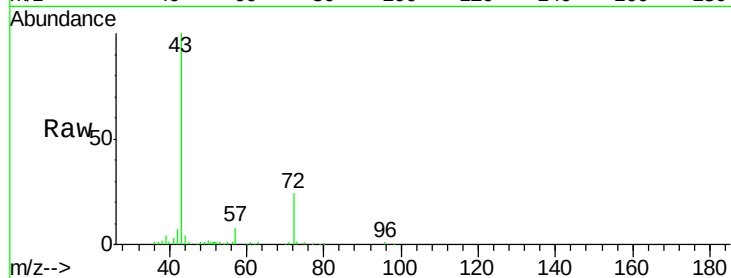
72 24.5 21.3 31.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

20000

15000

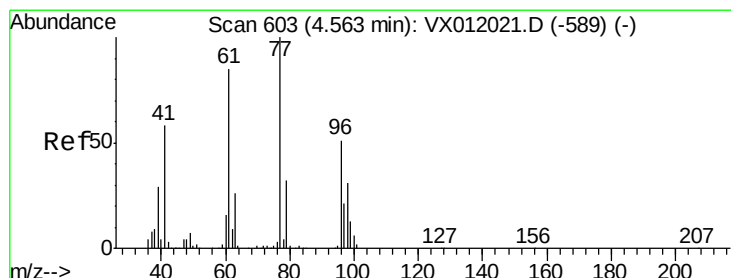
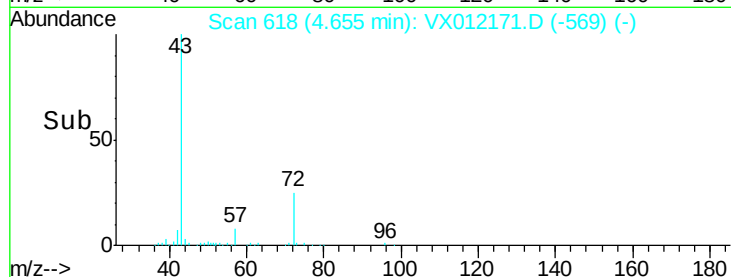
10000

5000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.587 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012171.D

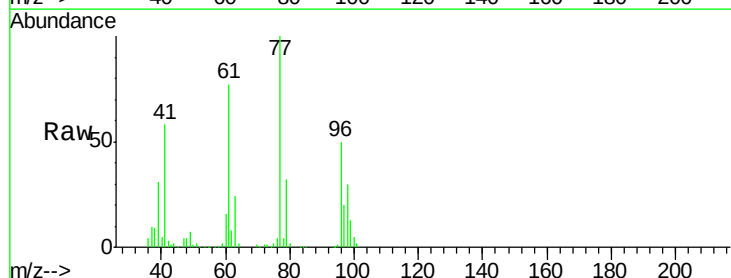
Acq: 07 Sep 2019 11:14

Tgt Ion: 77 Resp: 58130

Ion Ratio Lower Upper

77 100

97 20.3 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

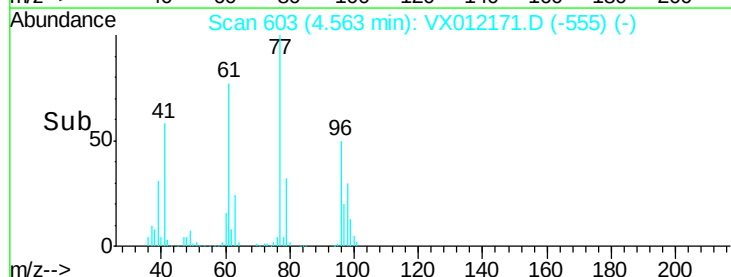
10000

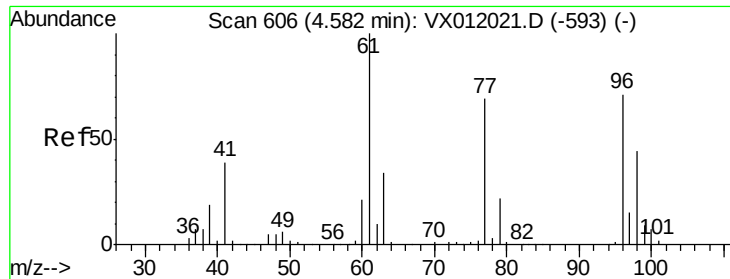
5000

0

4.50 4.60 4.70

Time-->





#27

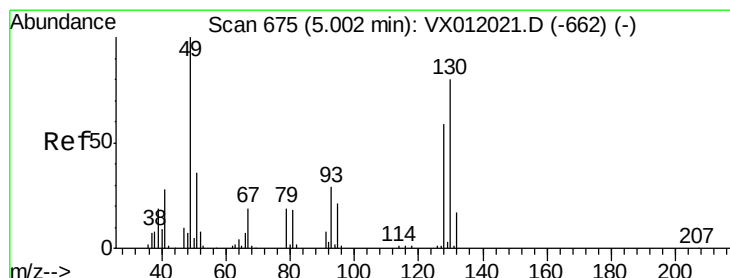
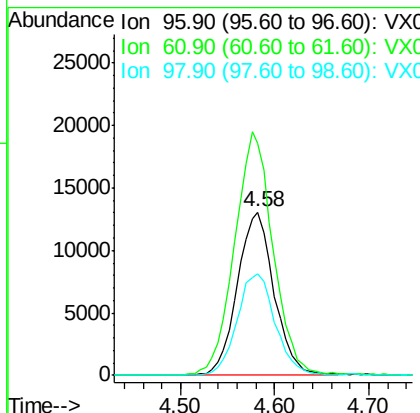
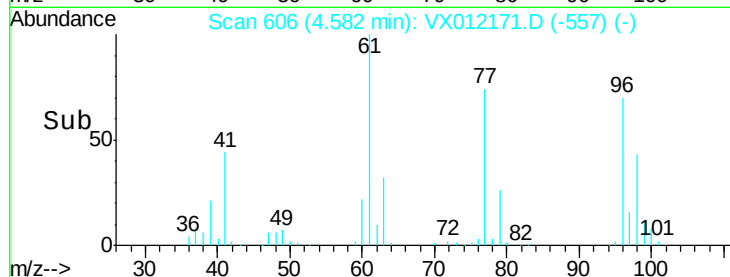
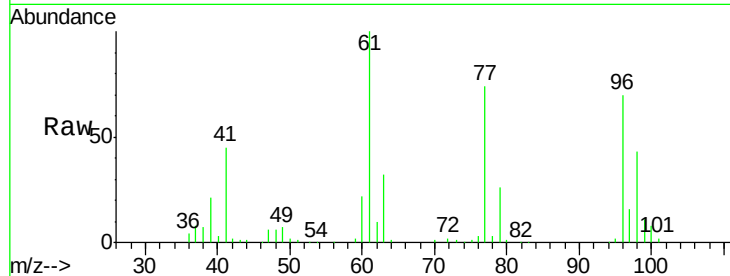
cis-1,2-Dichloroethene
Concen: 18.126 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	35649		
61	155.1	0.0	277.0	
98	64.5	0.0	128.4	

Manual Integrations
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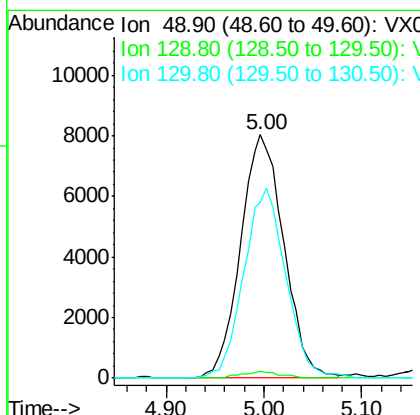
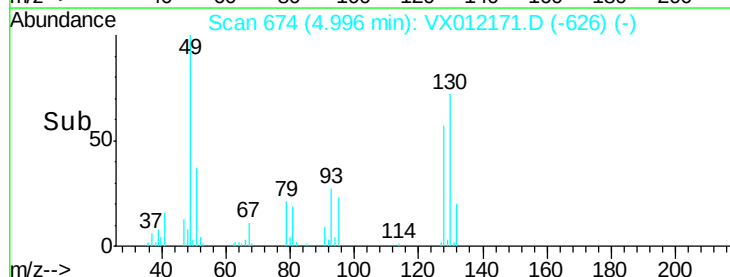
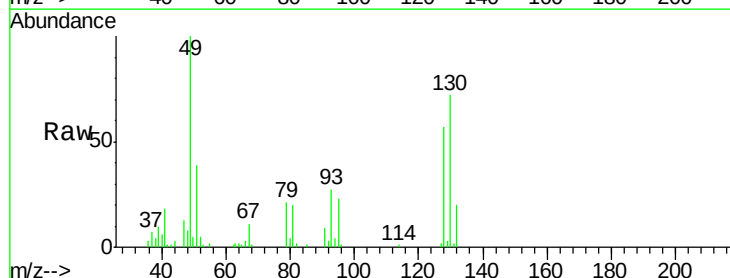
MMDadoda
9/9/2019 9:18:56 AM

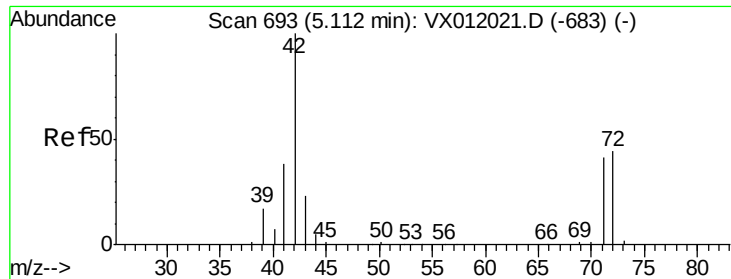


#28

Bromochloromethane
Concen: 20.181 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	24637		
129	2.4	0.0	5.6	
130	75.9	76.7	115.1#	





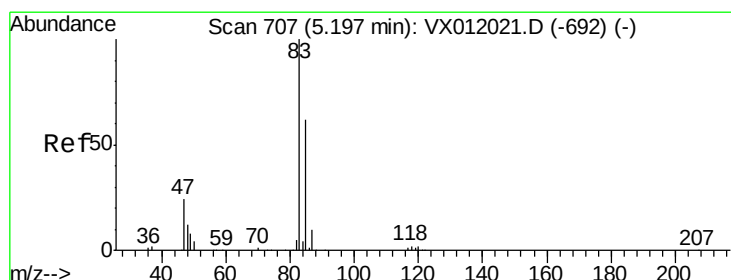
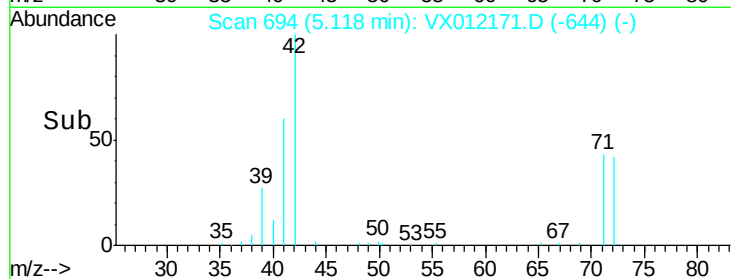
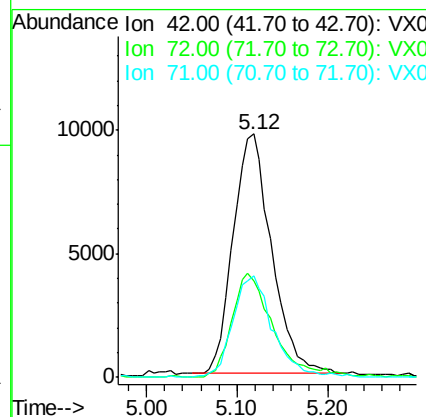
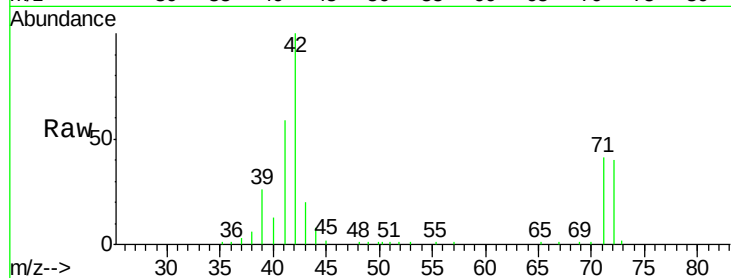
#29
Tetrahydrofuran
Concen: 77.599 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.0	55.4
71	43.6	33.8	50.8

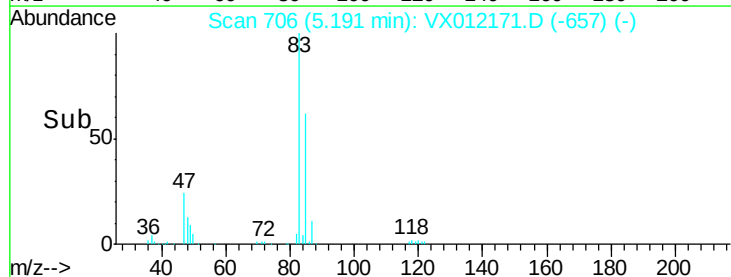
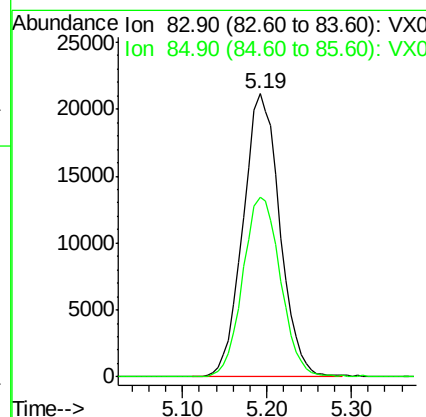
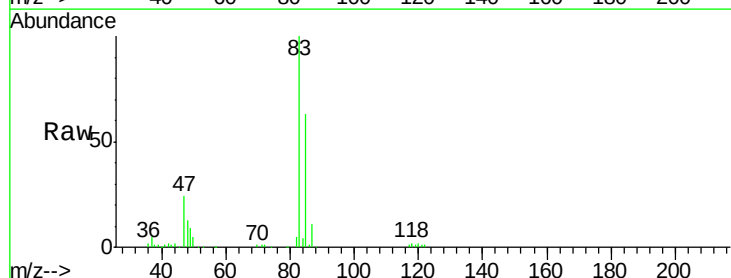
Manual Integrations
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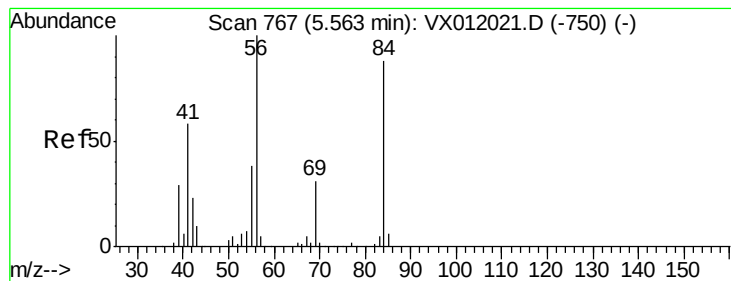
MMDadoda
9/9/2019 9:18:56 AM



#30
Chloroform
Concen: 19.090 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	78.8





#31

Cyclohexane

Concen: 19.136 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion: 56 Resp: 47003

Ion Ratio Lower Upper

56 100

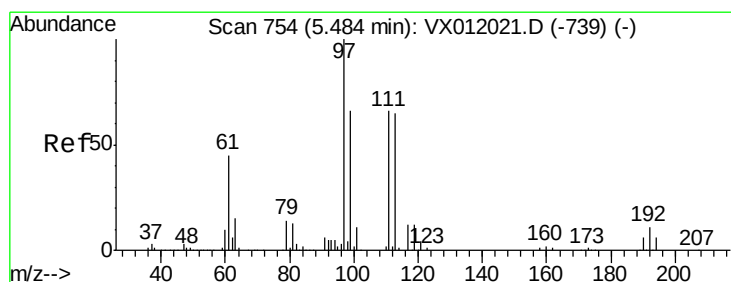
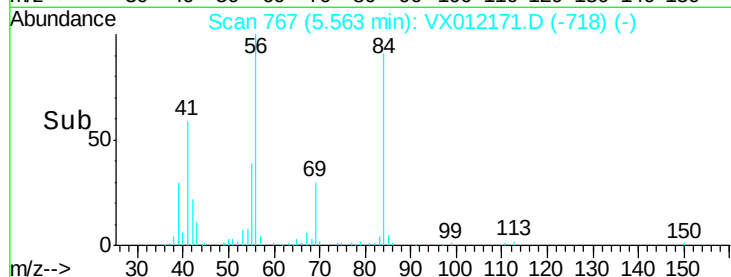
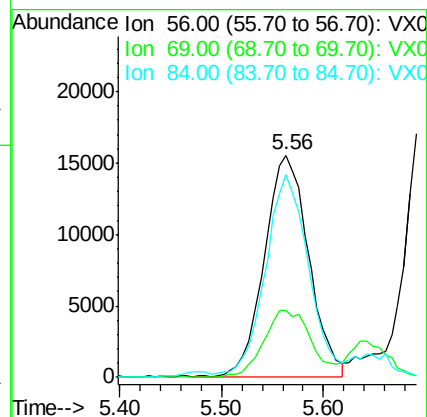
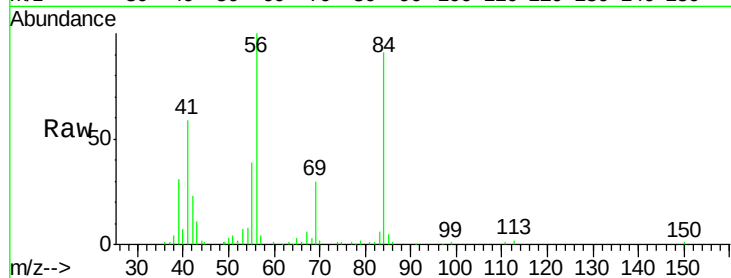
69 30.3 25.7 38.5

84 88.6 70.3 105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.489 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

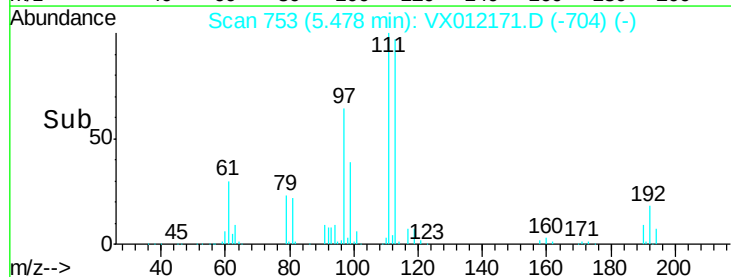
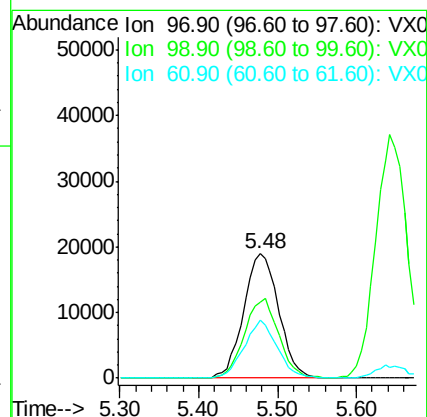
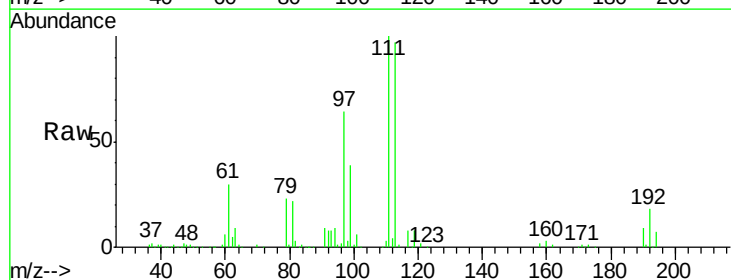
Tgt Ion: 97 Resp: 58560

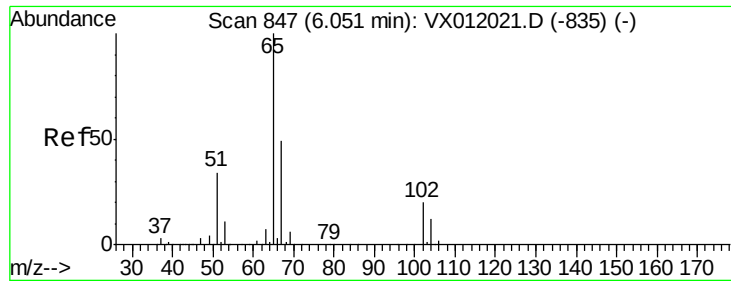
Ion Ratio Lower Upper

97 100

99 62.7 52.1 78.1

61 43.7 32.8 49.2





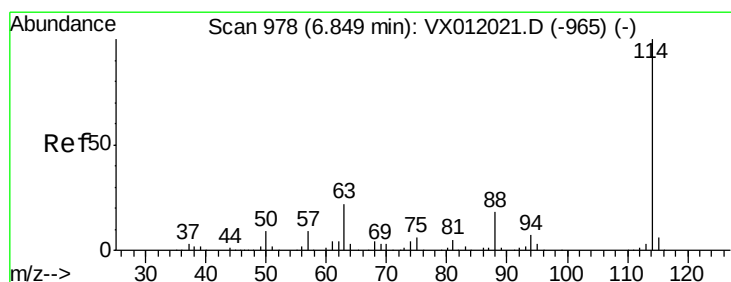
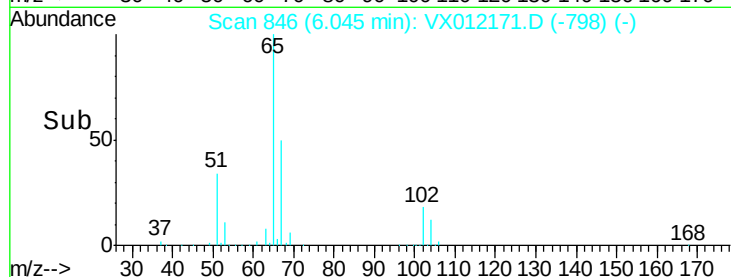
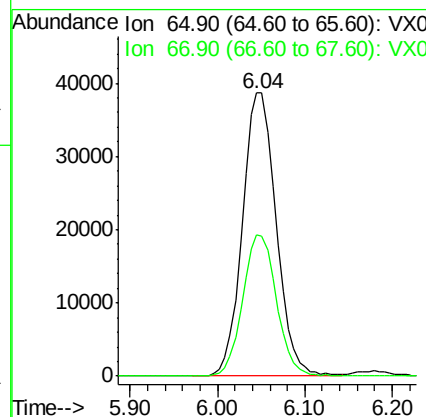
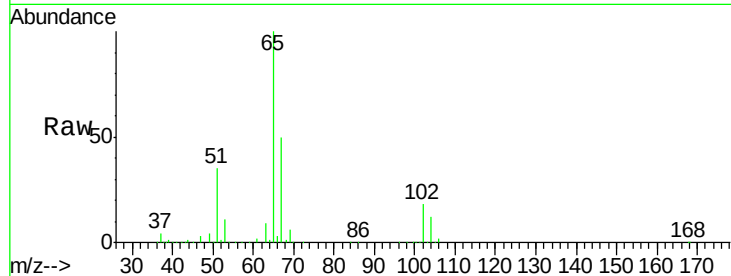
#33
 1,2-Dichloroethane-d4
 Concen: 51.840 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.8	0.0	102.0	

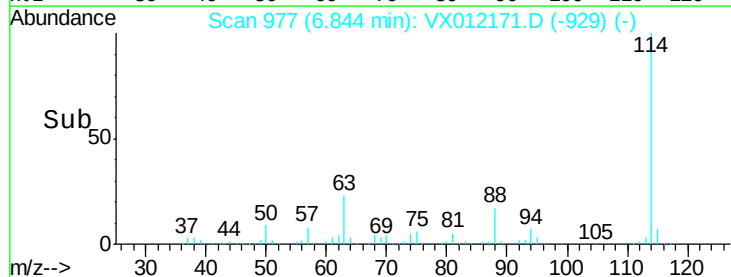
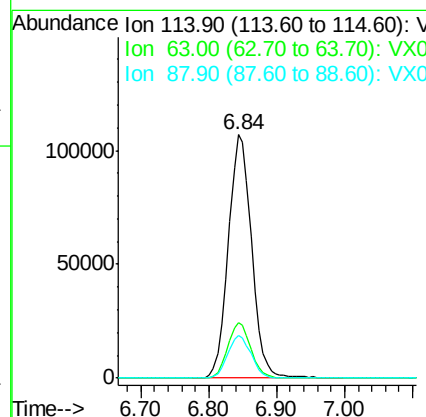
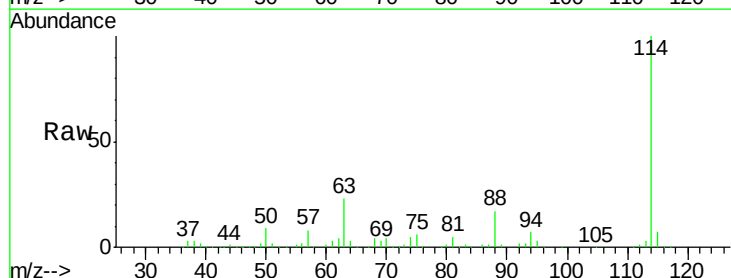
Manual Integrations
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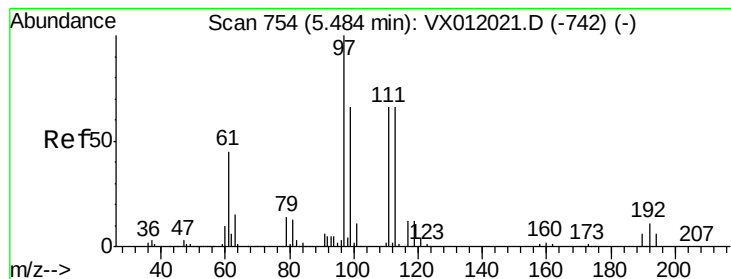
MMDadoda
 9/9/2019 9:18:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	37.4	
88	17.3	0.0	29.6	





#35

Dibromofluoromethane

Concen: 54.942 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion:113 Resp: 85856

Ion Ratio Lower Upper

113 100

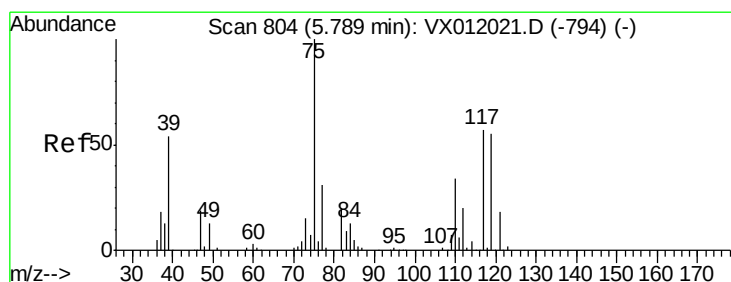
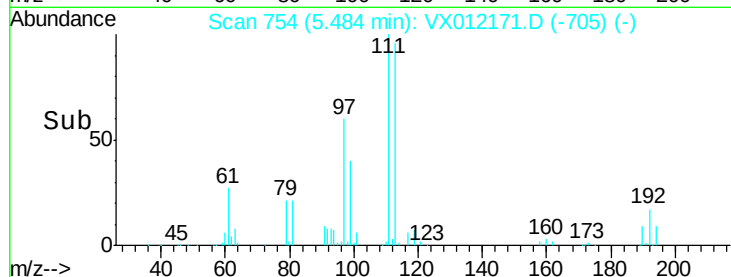
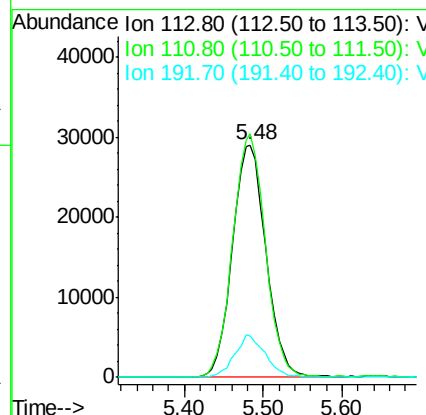
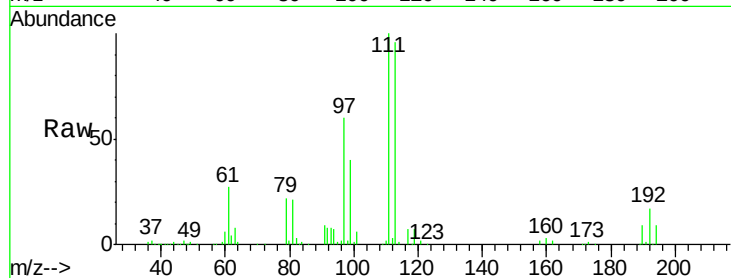
111 102.2 81.7 122.5

192 16.8 22.5 33.7#

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.667 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

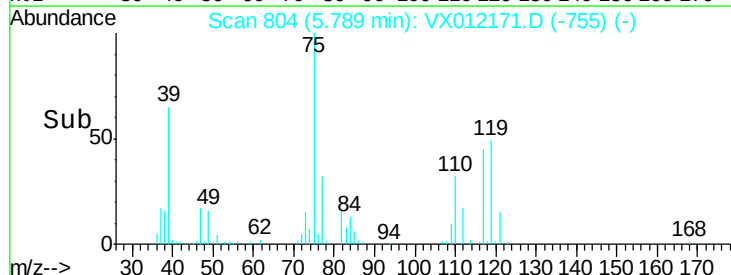
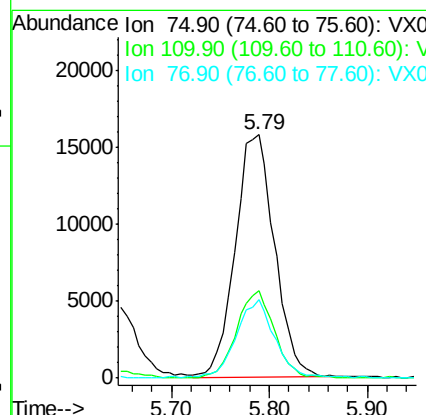
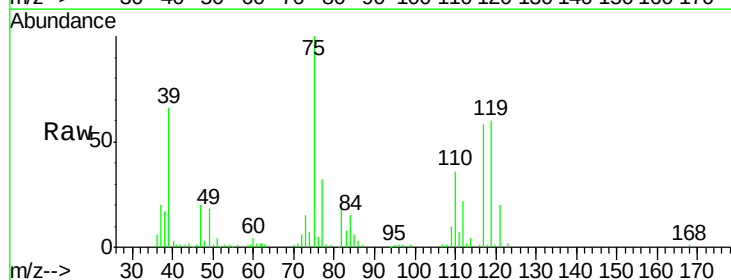
Tgt Ion: 75 Resp: 44016

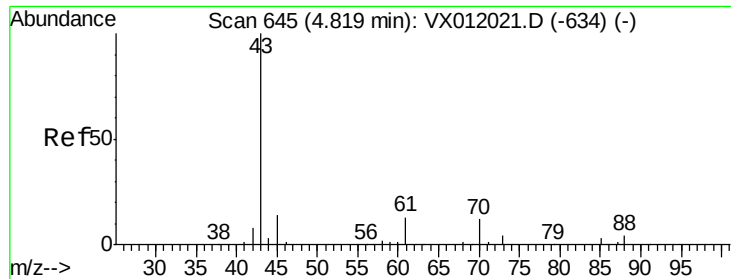
Ion Ratio Lower Upper

75 100

110 34.9 19.5 58.5

77 32.0 24.6 37.0





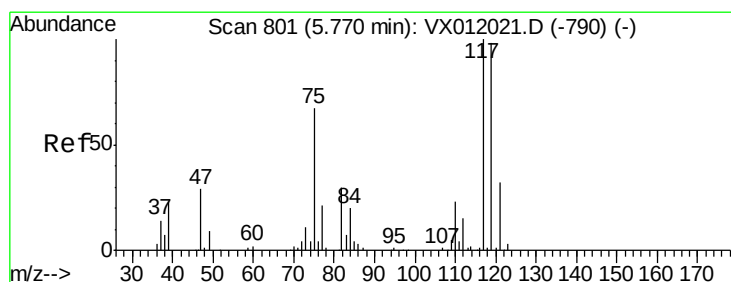
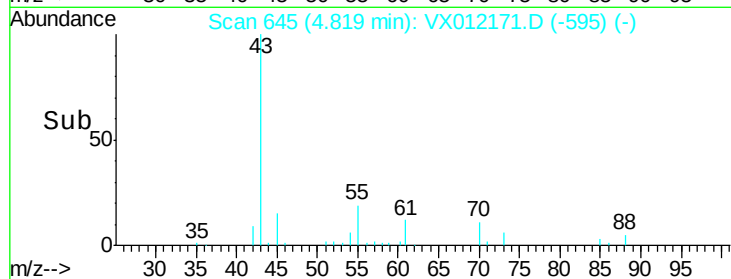
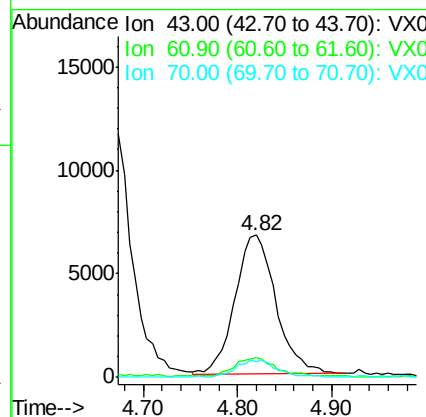
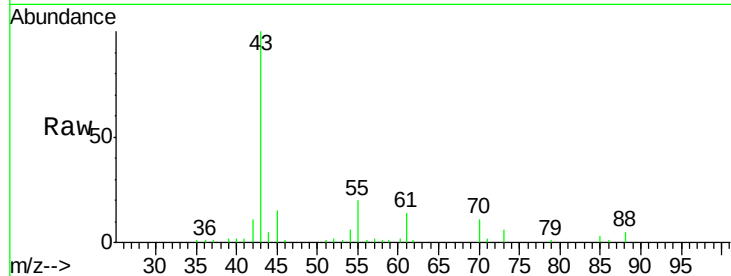
#37
Ethyl Acetate
Concen: 16.743 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.9	16.3
70	12.4	9.4	14.0

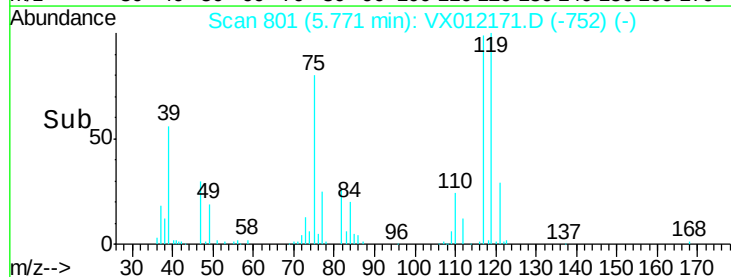
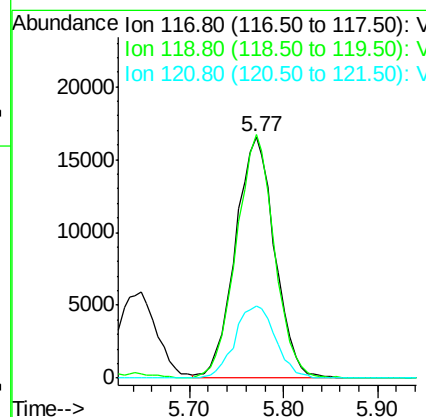
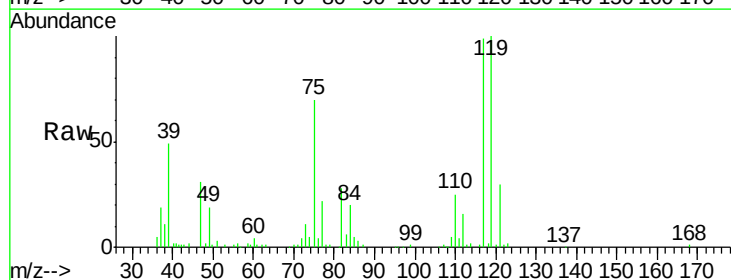
Manual Integrations
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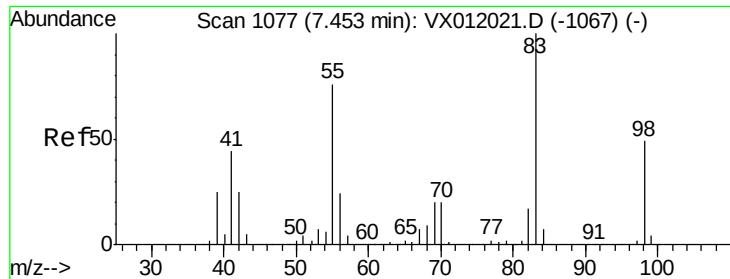
MMDadoda
9/9/2019 9:18:56 AM



#38
Carbon Tetrachloride
Concen: 20.434 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.0	78.3	117.5
121	30.0	24.2	36.2





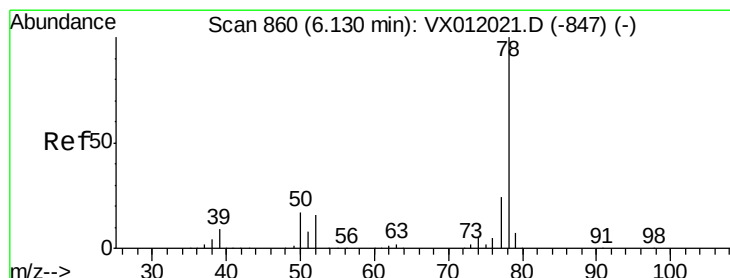
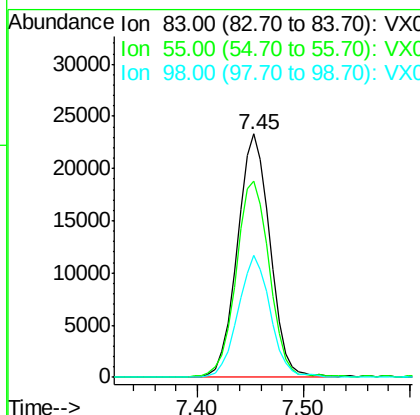
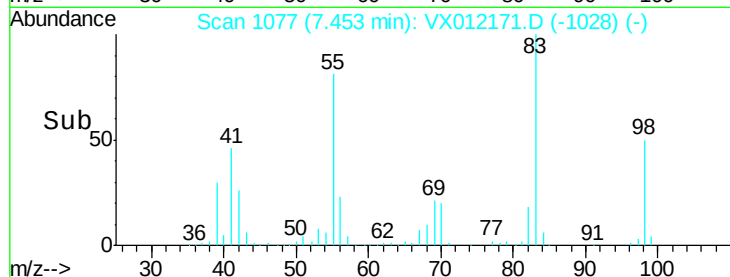
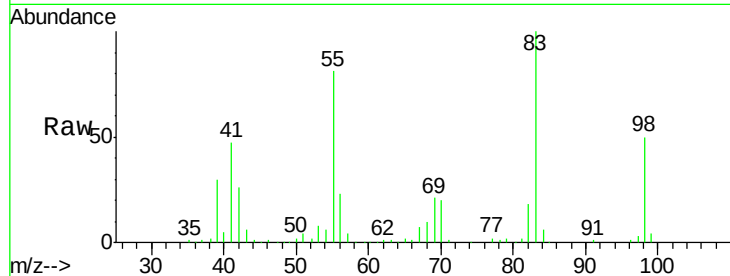
#39
Methylvlcyclohexane
Concen: 19.354 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	83	Resp	50273
Ion Ratio	100	Lower	Upper
83	100		
55	80.7	59.6	89.4
98	50.0	41.4	62.0

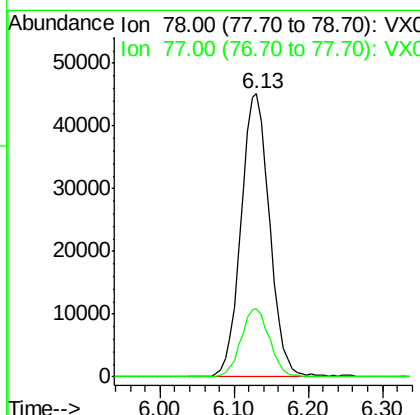
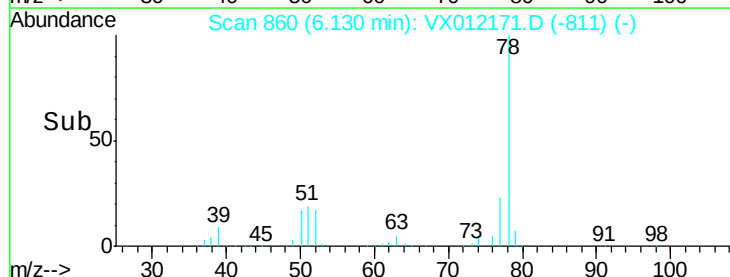
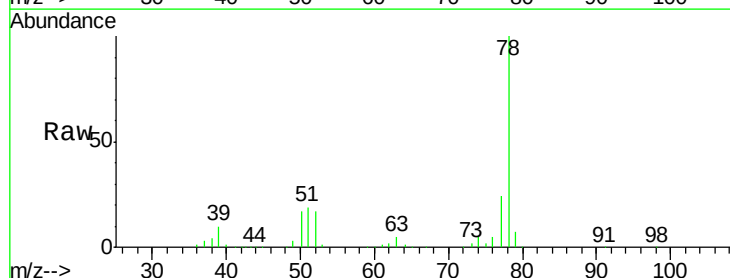
Manual Integrations
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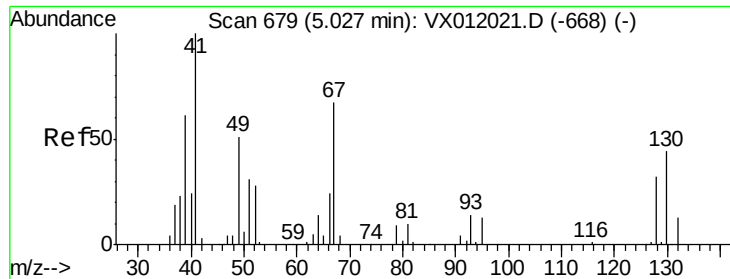
MMDadoda
9/9/2019 9:18:56 AM



#40
Benzene
Concen: 18.979 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	78	Resp	121938
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.3	28.9





#41

Methacrylonitrile

Concen: 17.646 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampled :

VX0907SBS01

Tot Ion: 41 Resp: 12807

Ion Ratio Lower Upper

41 100

39 63.5 46.7 70.1

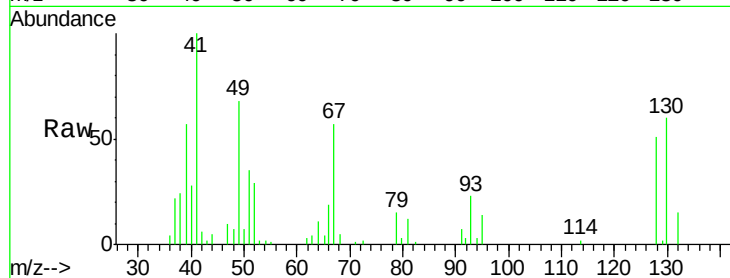
67 70.8 57.0 85.6

52 33.2 23.5 35.3

Manual Integrations
APPROVED

MMDadoda

9/9/2019 9:18:56 AM

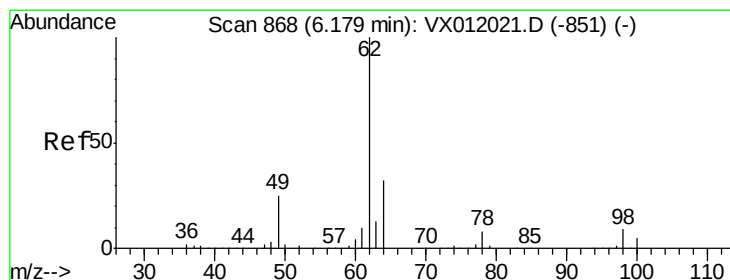
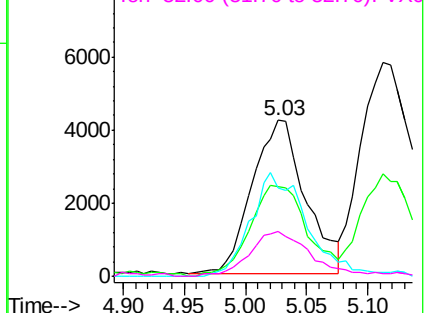
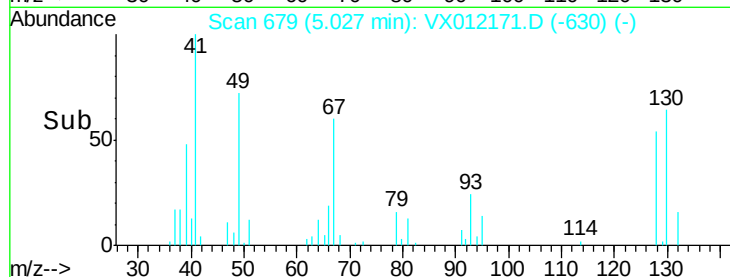


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.552 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012171.D

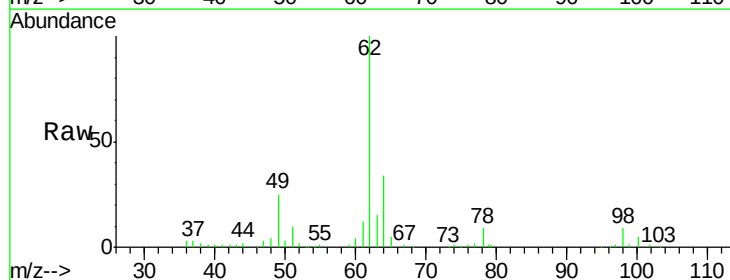
Acq: 07 Sep 2019 11:14

Tgt Ion: 62 Resp: 45207

Ion Ratio Lower Upper

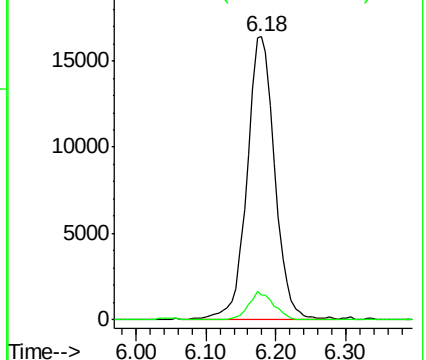
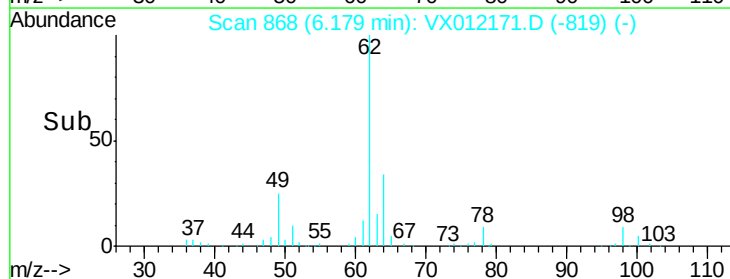
62 100

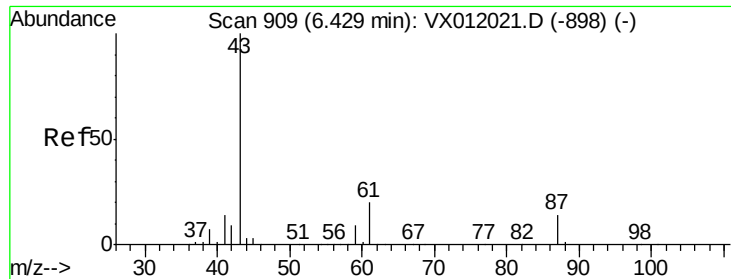
98 9.0 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

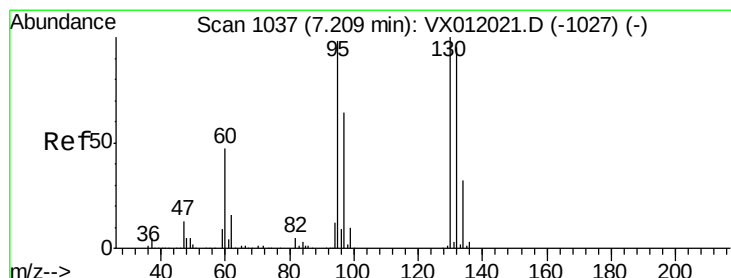
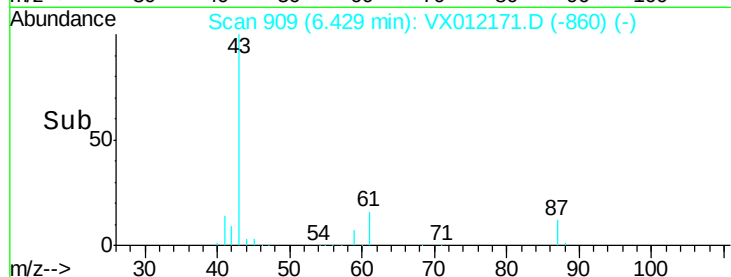
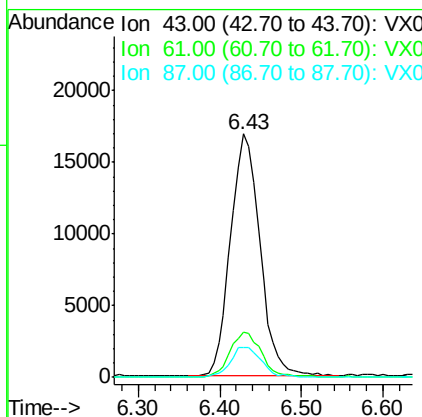
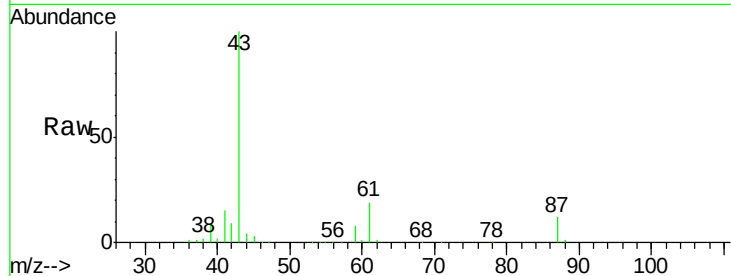
Isopropyl Acetate
 Concen: 17.097 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.1	11.3	16.9

Manual Integrations
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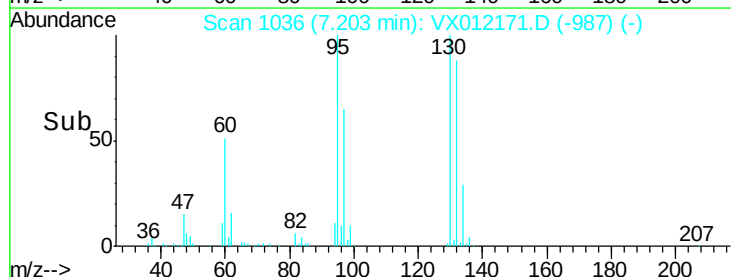
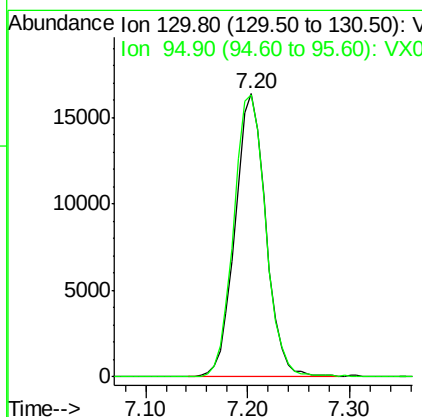
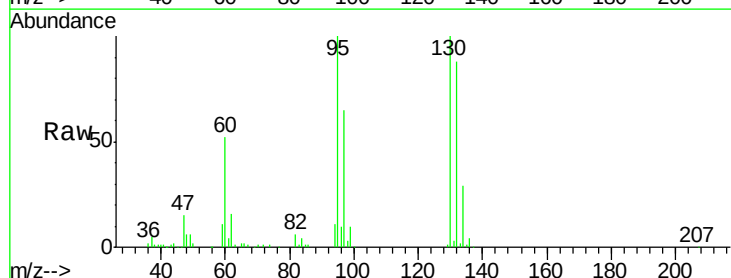
MMDadoda
 9/9/2019 9:18:56 AM

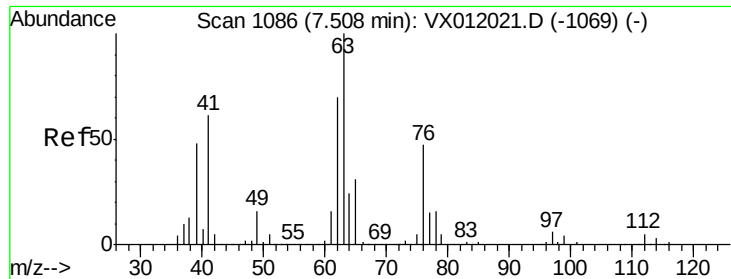


#44

Trichloroethene
 Concen: 19.713 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	176.4





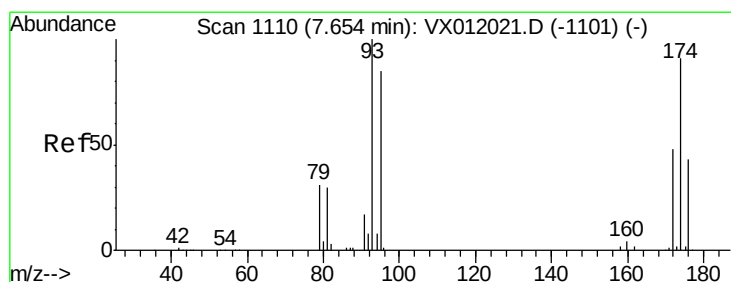
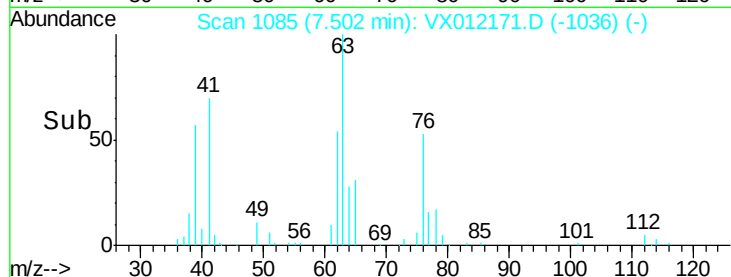
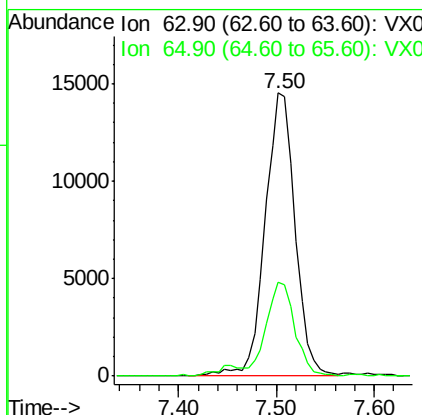
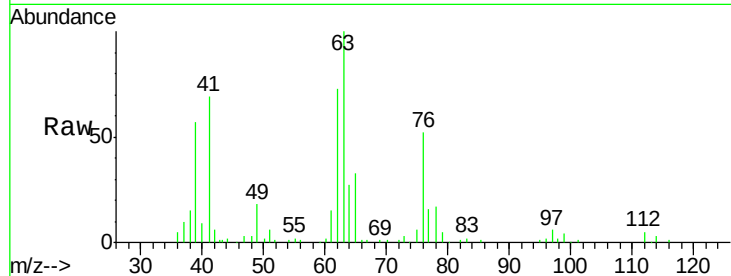
#45
 1,2-Dichloropropane
 Concen: 18.665 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS01

Tot Ion: 63 Resp: 30983
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.0 37.6

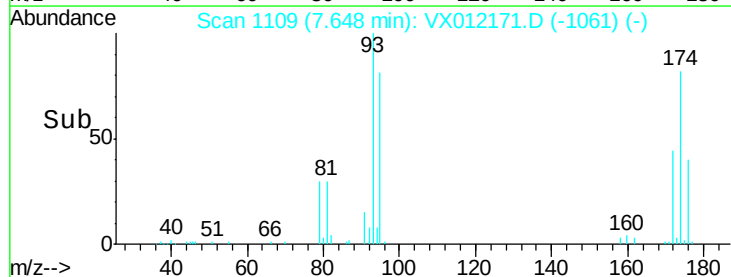
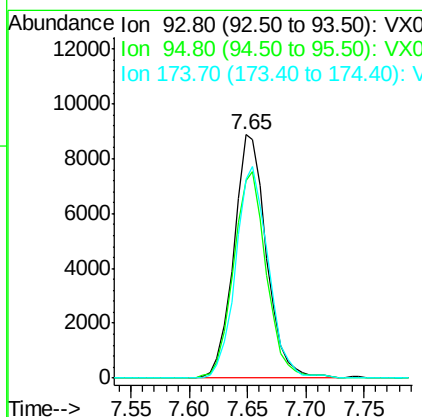
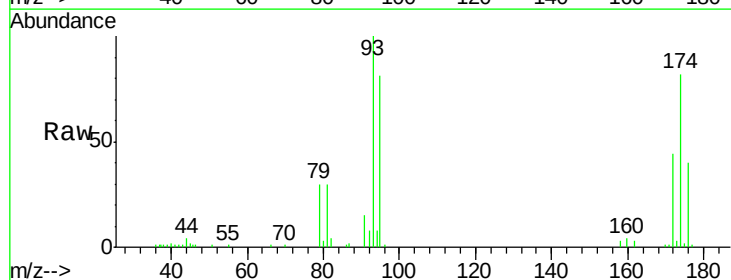
Manual Integrations
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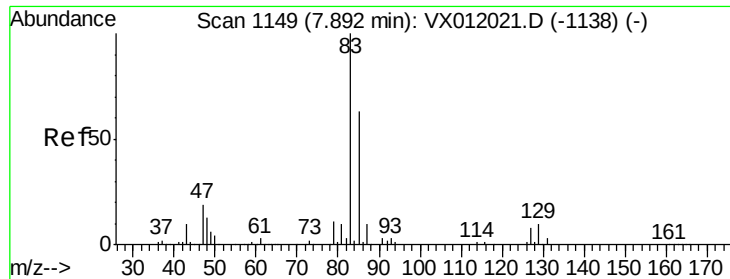
MMDadoda
 9/9/2019 9:18:56 AM



#46
 Dibromomethane
 Concen: 17.923 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Tgt Ion: 93 Resp: 17368
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.2 99.2
 174 86.1 110.2 165.4#





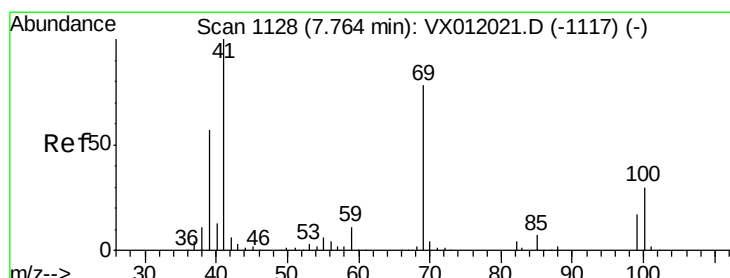
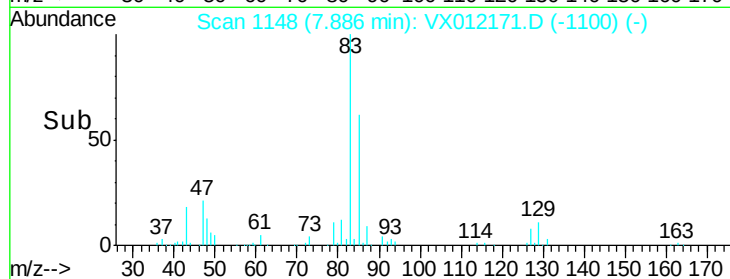
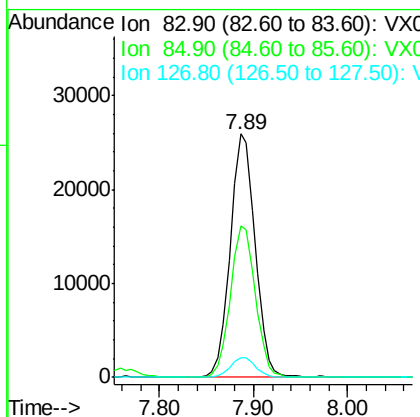
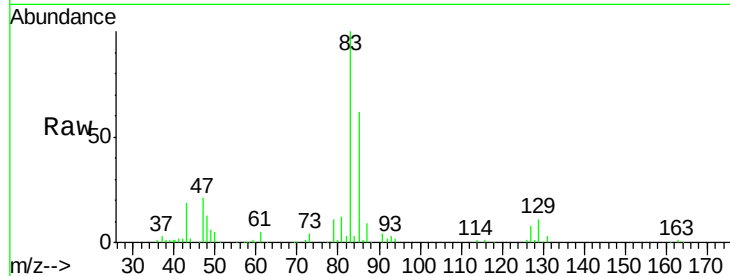
#47
Bromodichloromethane
Concen: 19.293 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	47521		
85	62.3		50.3	75.5
127	8.3		8.1	12.1

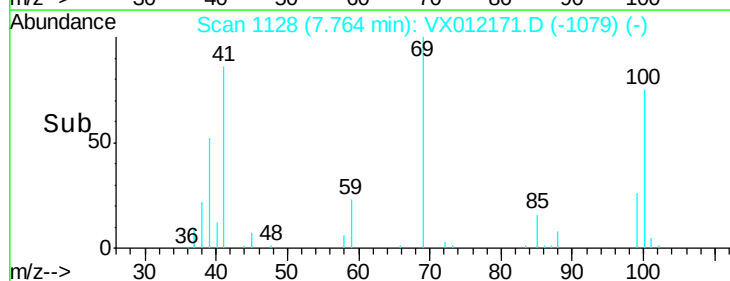
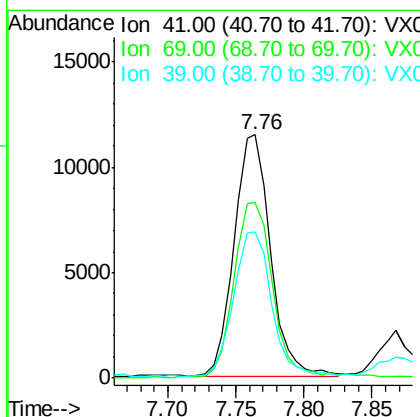
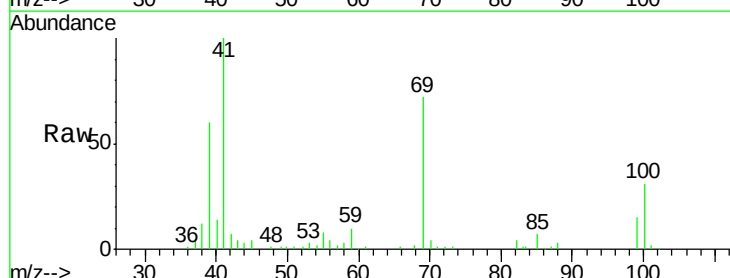
Manual Integrations
APPROVED

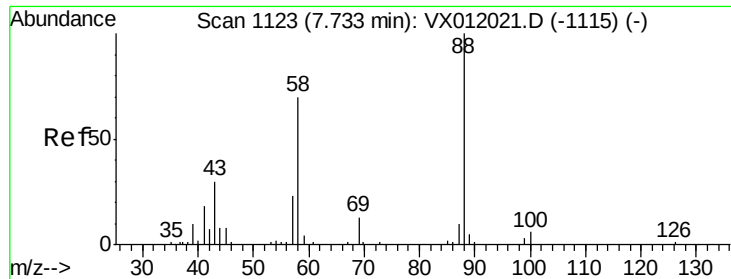
MMDadoda
9/9/2019 9:18:56 AM



#48
Methyl methacrylate
Concen: 17.249 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	21462		
69	79.1		66.3	99.5
39	62.2		48.1	72.1





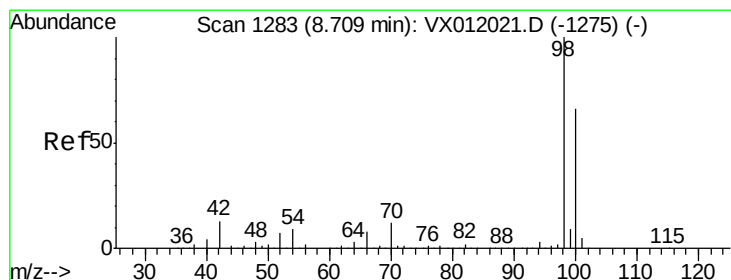
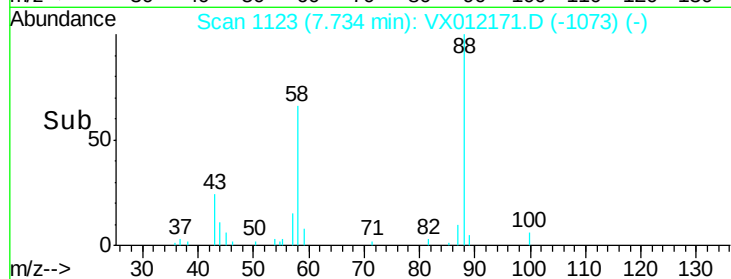
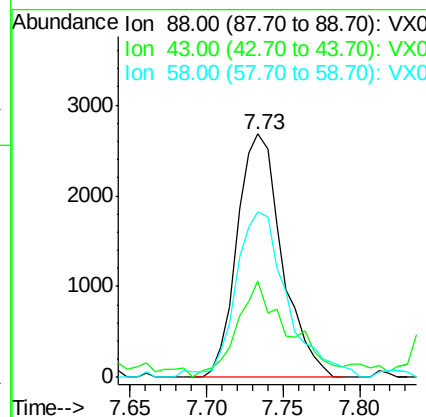
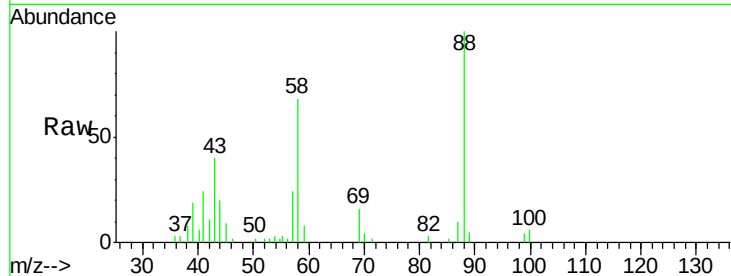
#49
1,4-Dioxane
Concen: 319.894 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.2	29.8	44.6#
58	78.6	55.4	83.2

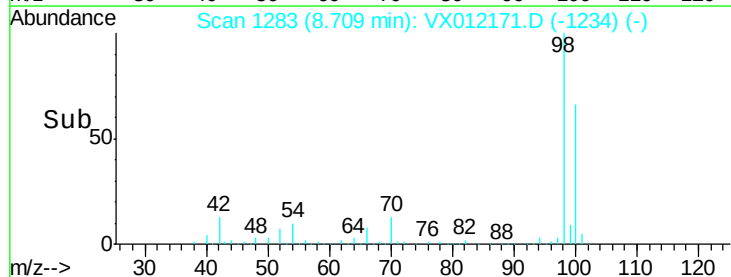
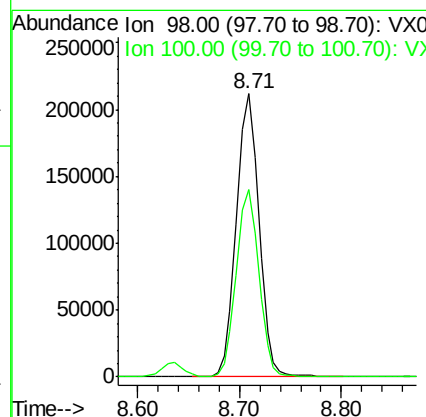
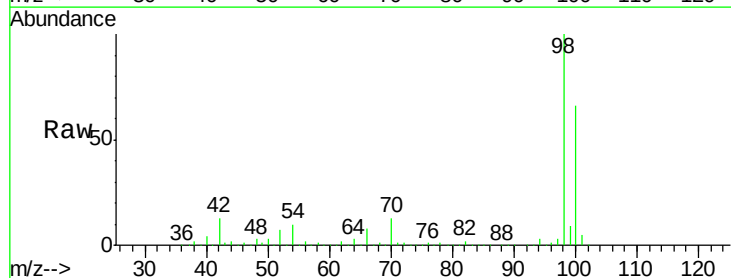
Manual Integrations
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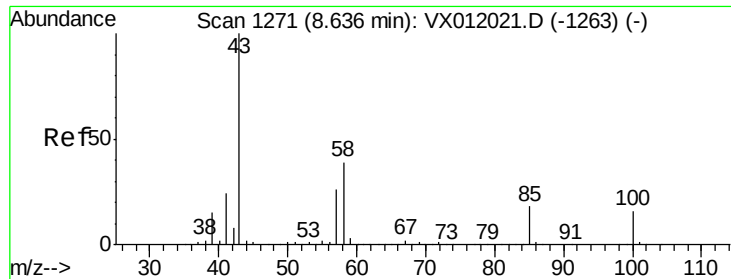
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#50
Toluene-d8
Concen: 56.642 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 88.253 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion: 43 Resp: 111083

Ion Ratio Lower Upper

43 100

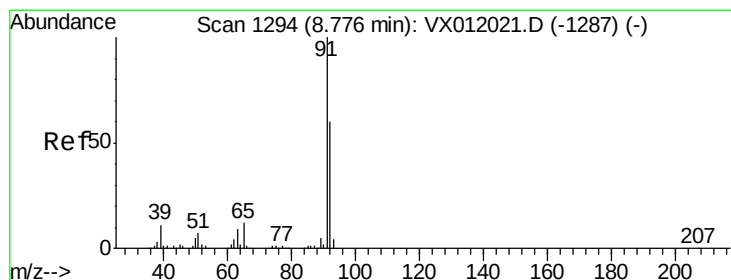
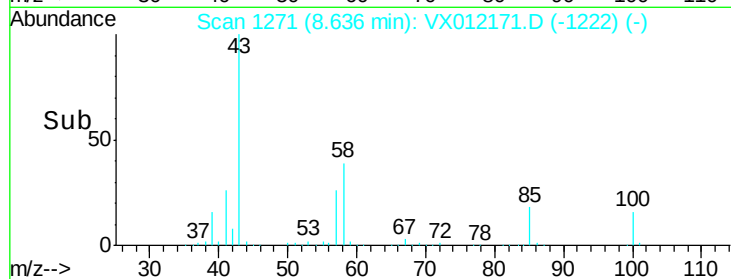
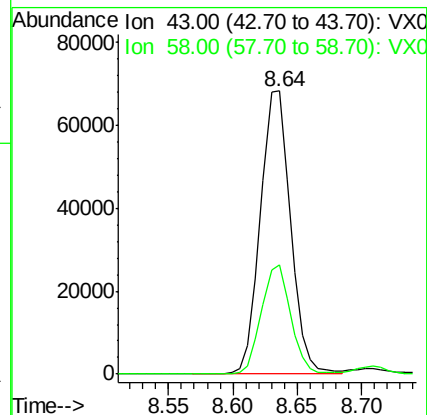
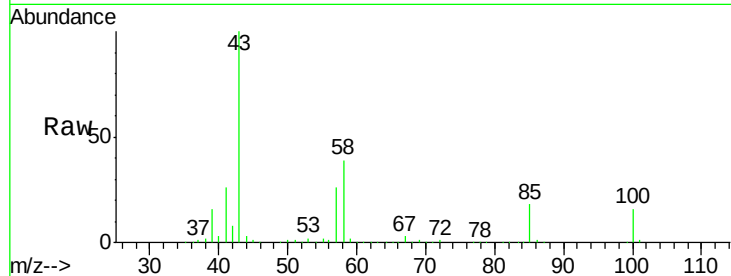
58 37.6 31.5 47.3

Manual Integrations

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9/9/2019 9:18:56 AM



#52

Toluene

Concen: 19.186 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012171.D

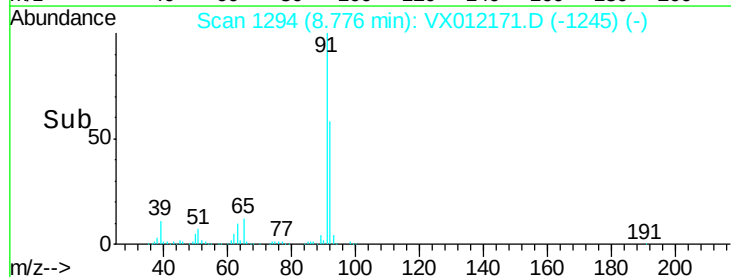
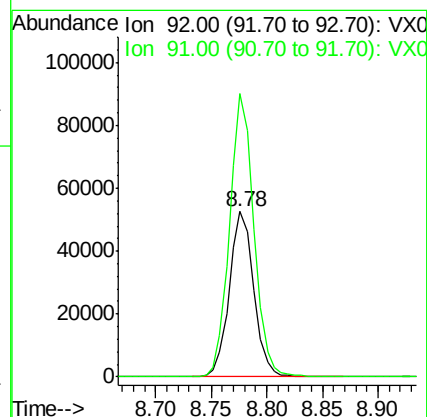
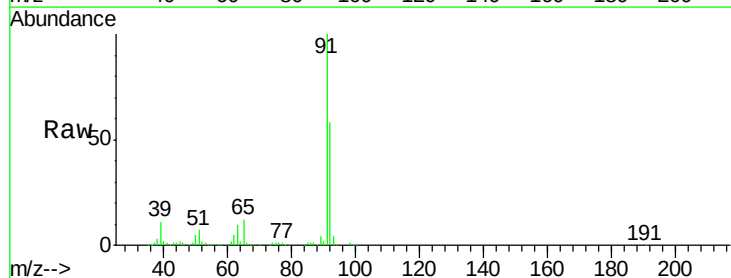
Acq: 07 Sep 2019 11:14

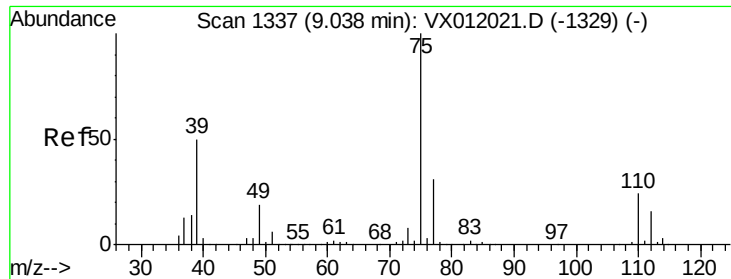
Tgt Ion: 92 Resp: 80206

Ion Ratio Lower Upper

92 100

91 169.9 136.0 204.0





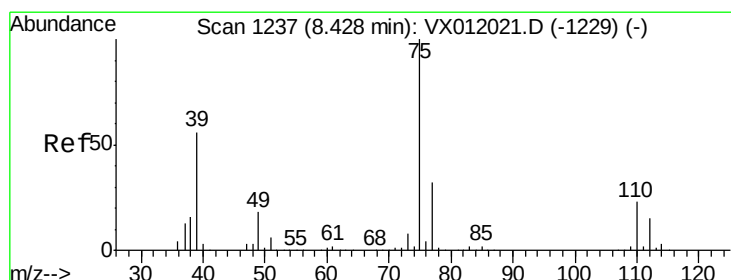
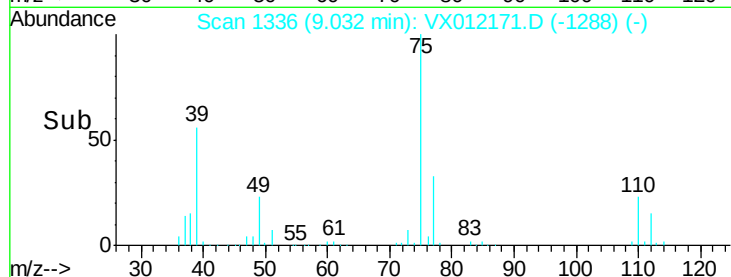
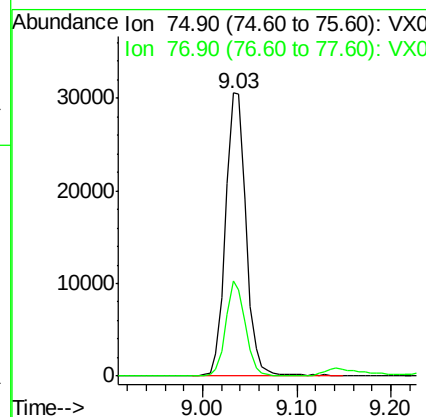
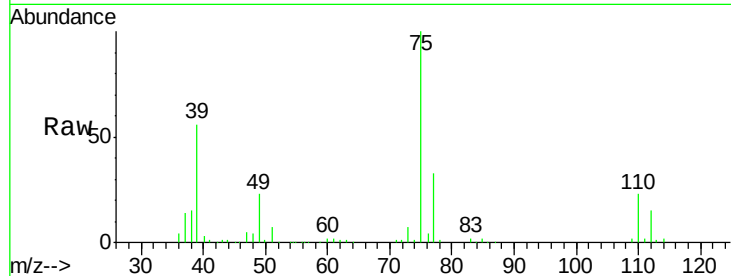
#53
t-1,3-Dichloropropene
Concen: 18.113 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion: 75 Resp: 46190
Ion Ratio Lower Upper
75 100
77 33.5 25.1 37.7

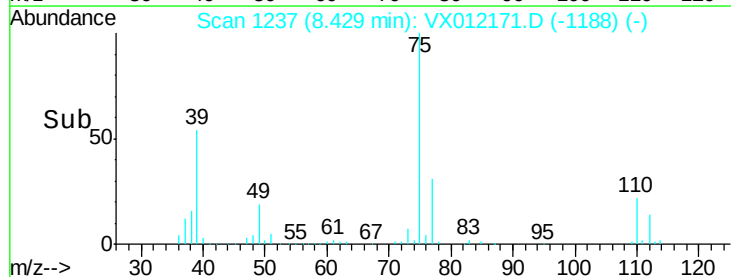
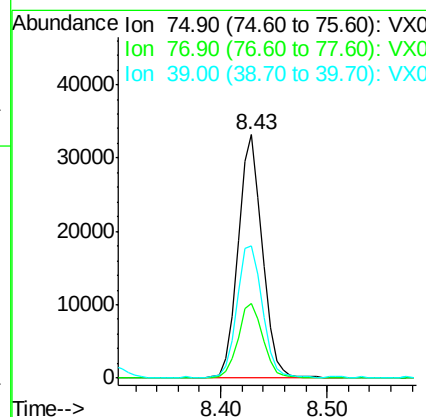
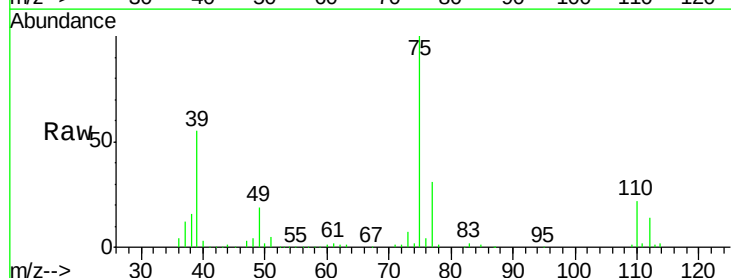
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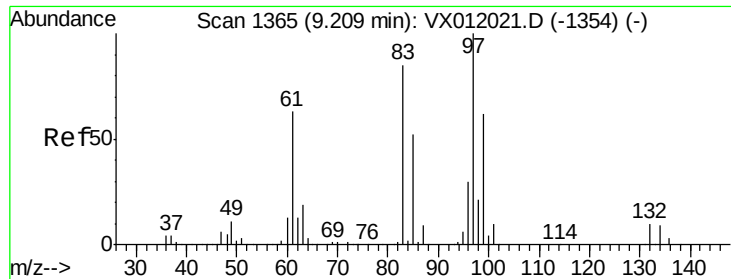
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#54
cis-1,3-Dichloropropene
Concen: 18.698 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion: 75 Resp: 53023
Ion Ratio Lower Upper
75 100
77 30.5 25.5 38.3
39 54.3 43.0 64.4





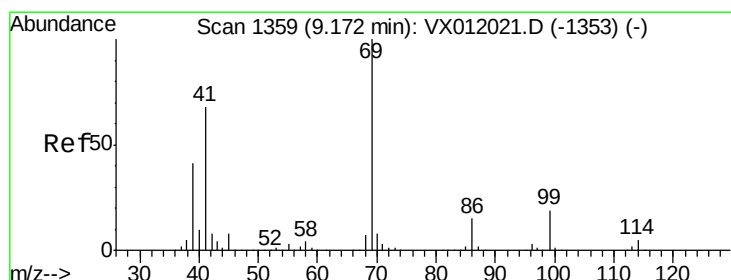
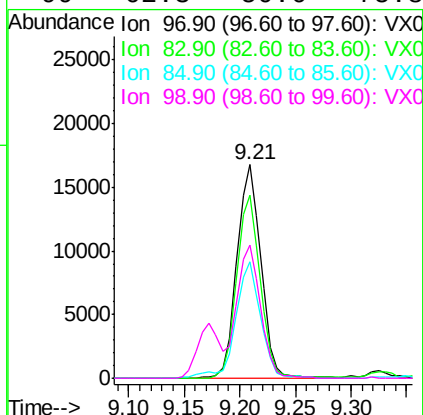
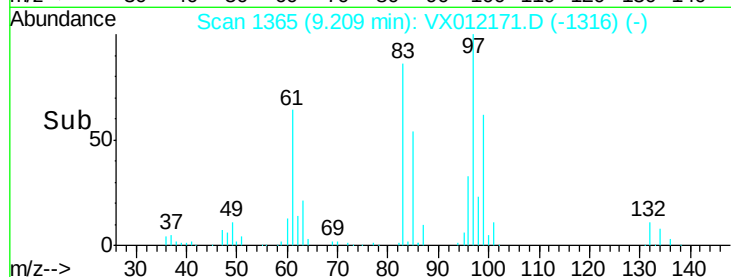
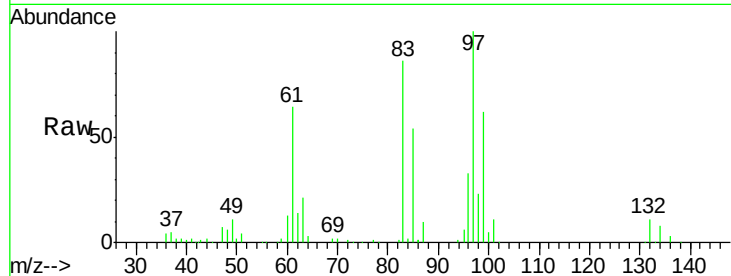
#55
1,1,2-Trichloroethane
Concen: 18.015 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		24958		
83	85.8	66.0	99.0		
85	54.3	41.0	61.6		
99	62.3	50.6	75.8		

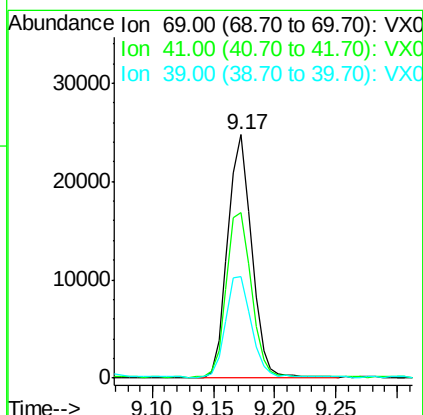
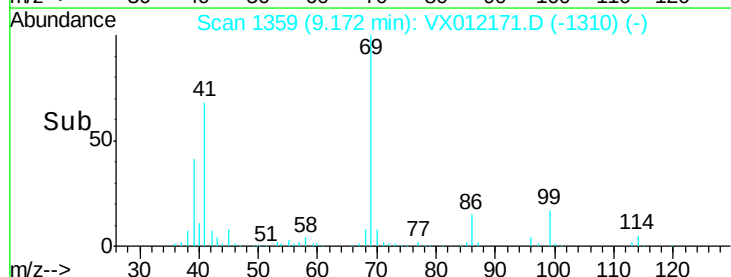
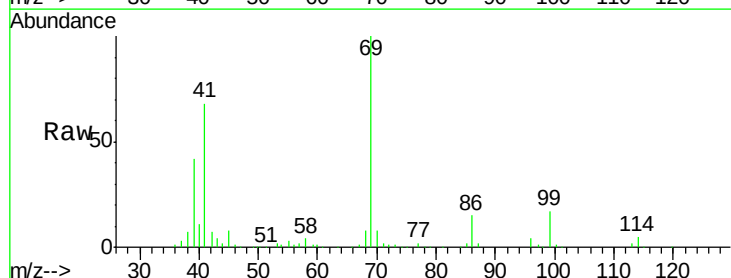
Manual Integrations
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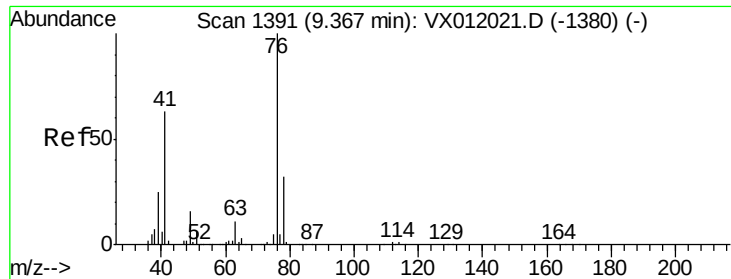
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#56
Ethyl methacrylate
Concen: 17.154 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		34040		
41	70.0	53.9	80.9		
39	44.4	31.1	46.7		





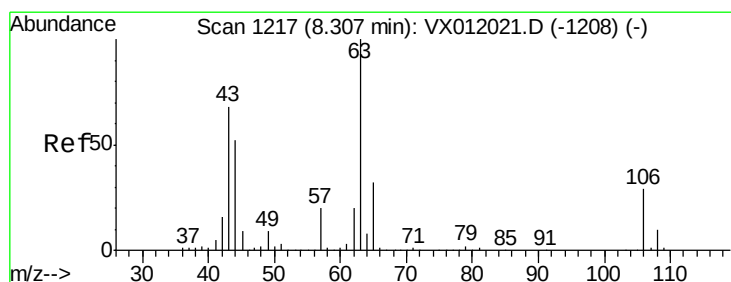
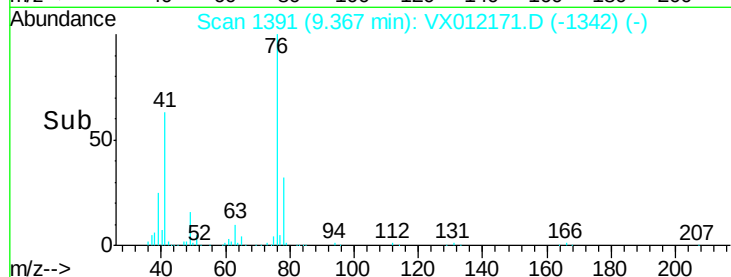
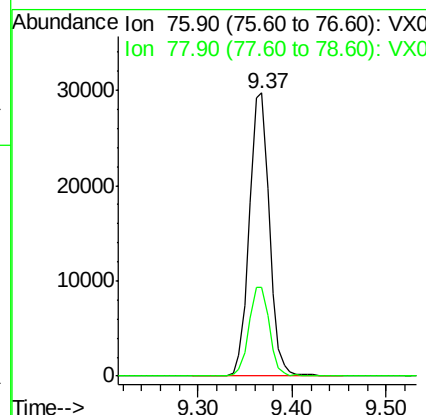
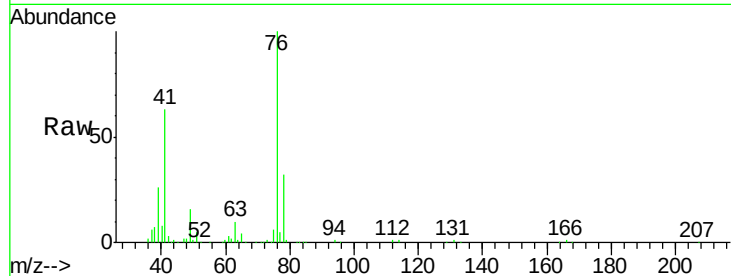
#57
 1,3-Dichloropropane
 Concen: 18.538 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

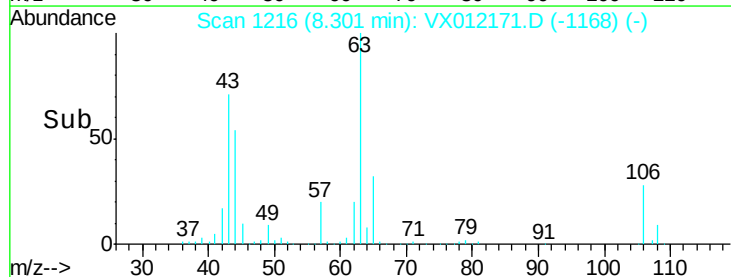
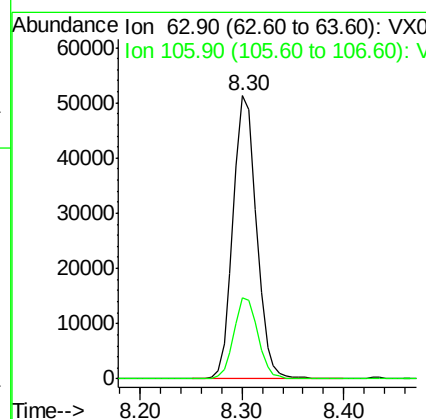
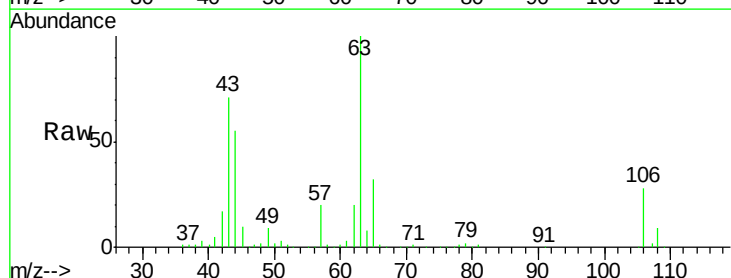
Manual Integrations
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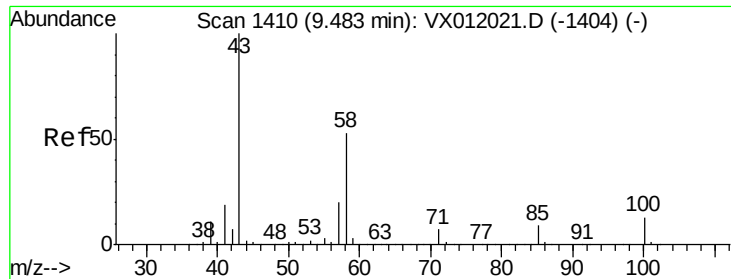
MMDadoda
 9/9/2019 9:18:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.740 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	26.5	39.7





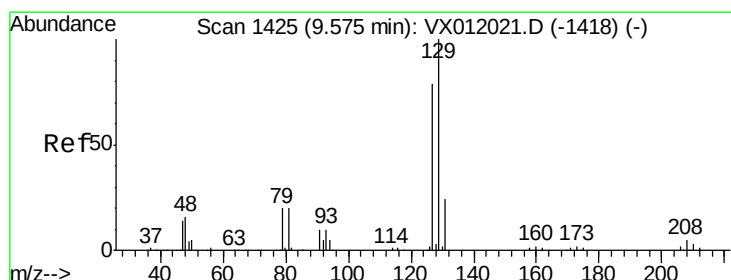
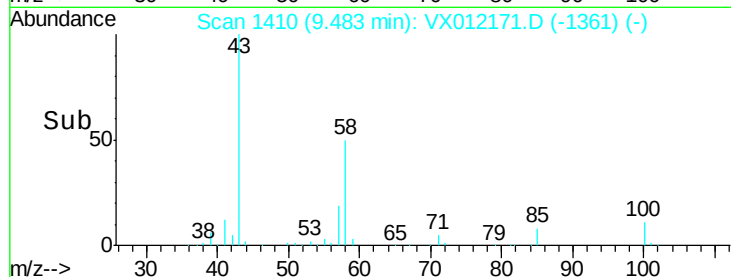
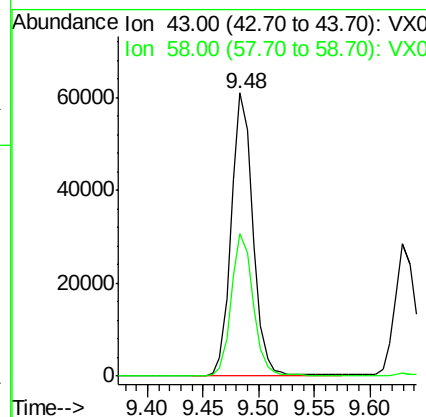
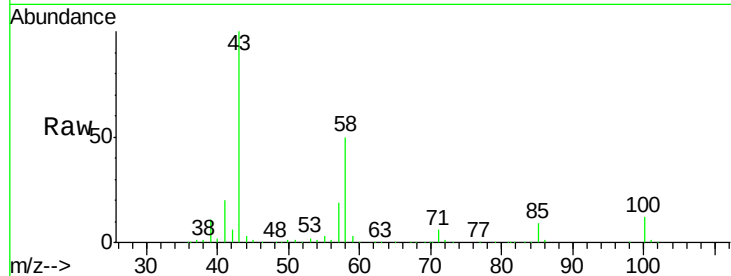
#59
2-Hexanone
Concen: 89.510 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion: 43 Resp: 82209
Ion Ratio Lower Upper
43 100
58 50.6 27.2 81.6

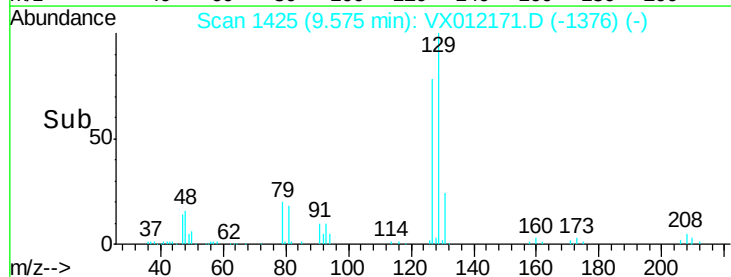
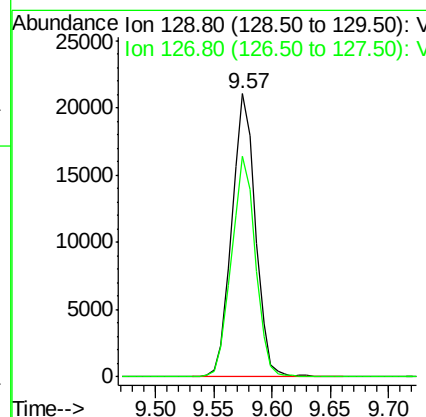
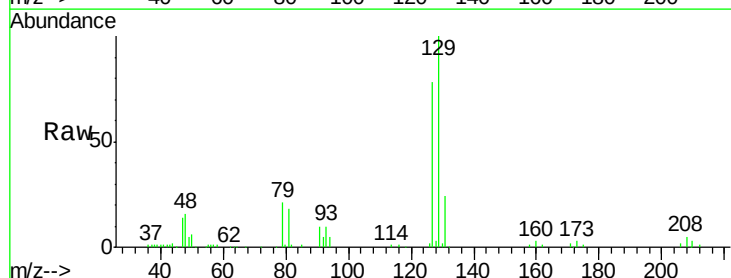
Manual Integrations
APPROVED

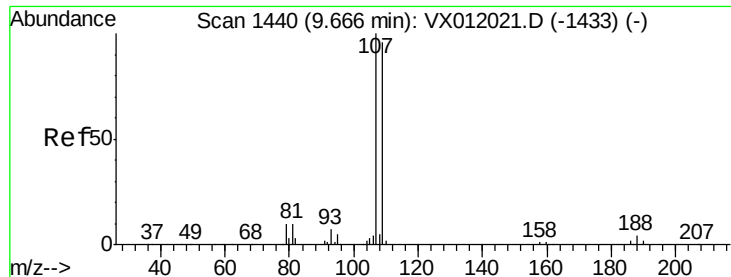
MMDadoda
9/9/2019 9:18:56 AM



#60
Dibromochloromethane
Concen: 17.989 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion: 129 Resp: 29702
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 17.976 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion:107 Resp: 24064

Ion Ratio Lower Upper

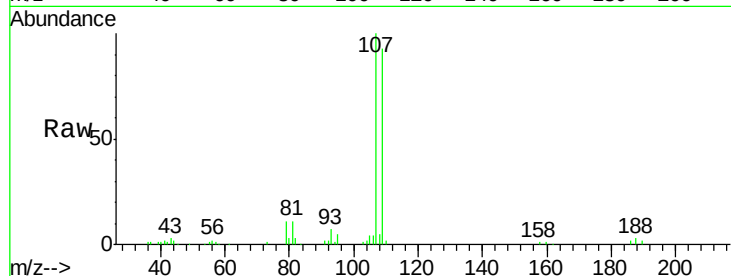
107 100

109 92.5 76.9 115.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

15000

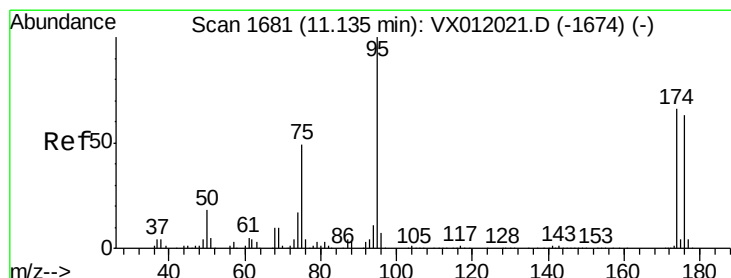
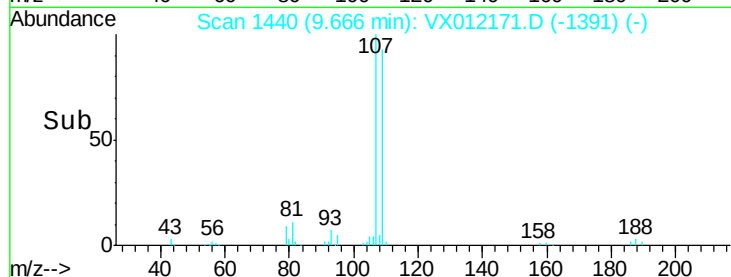
10000

5000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 52.429 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

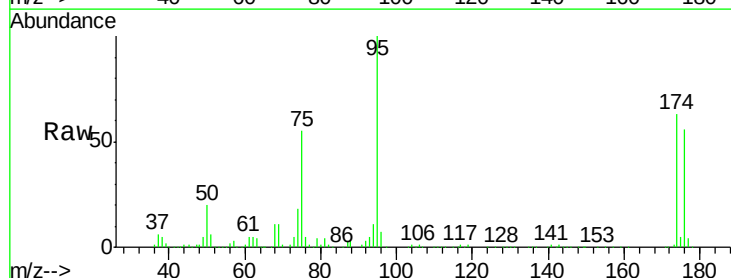
Tgt Ion: 95 Resp: 139817

Ion Ratio Lower Upper

95 100

174 64.9 0.0 205.4

176 61.1 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

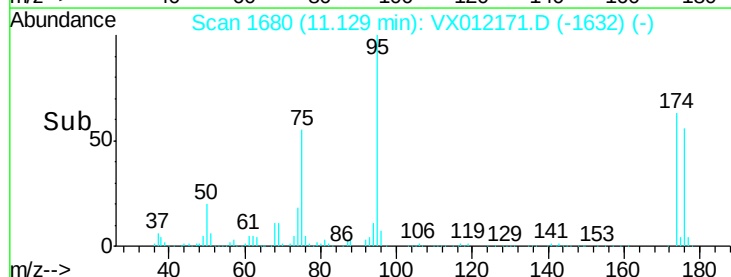
100000

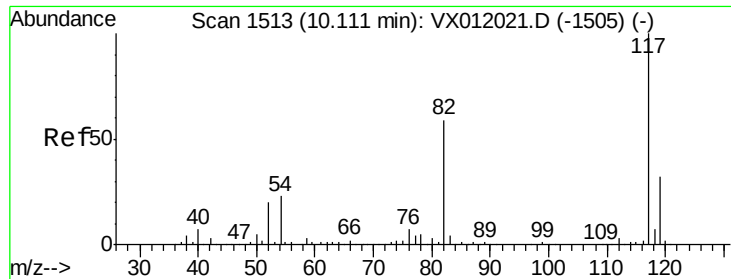
50000

0

11.05 11.10 11.15 11.20

Time-->





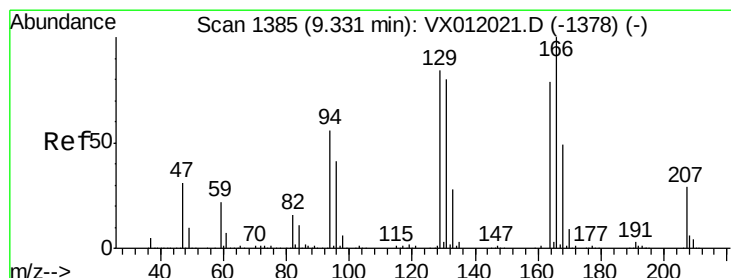
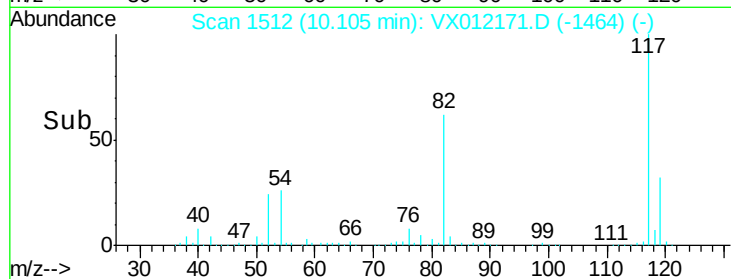
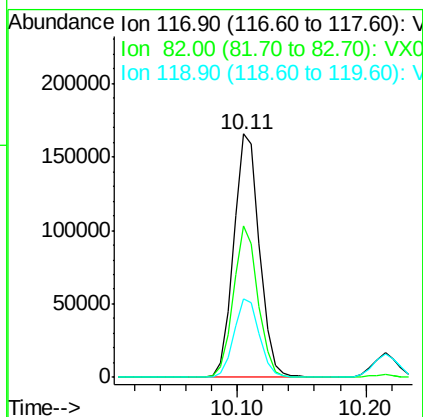
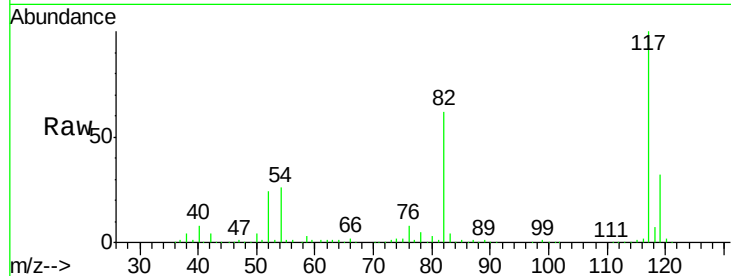
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	229830		
82	62.1	39.4	59.0#	
119	32.4	26.1	39.1	

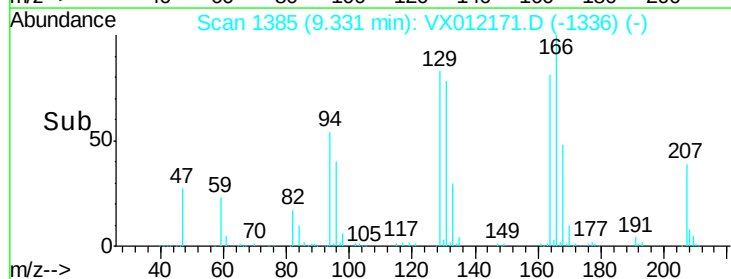
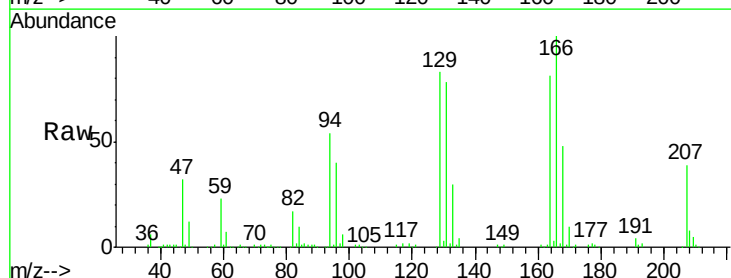
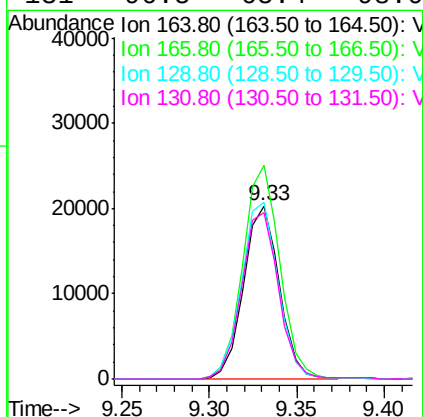
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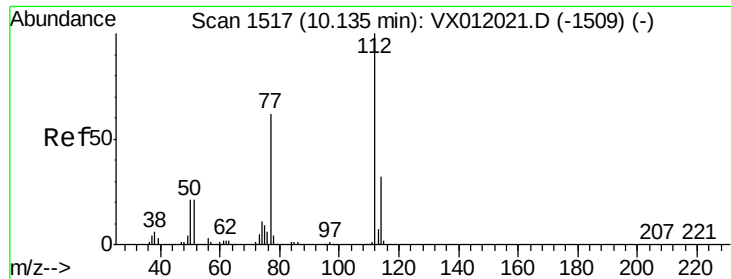
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#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	28803		
166	123.5	104.3	156.5	
129	102.0	68.3	102.5	
131	96.5	65.4	98.0	





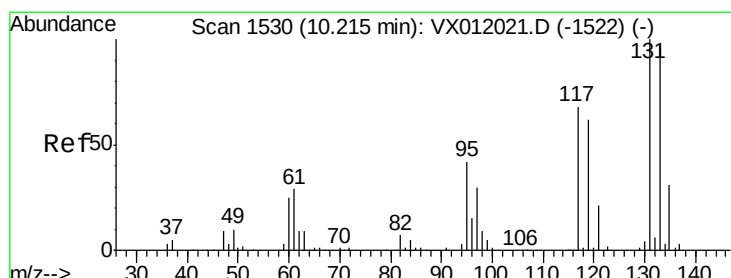
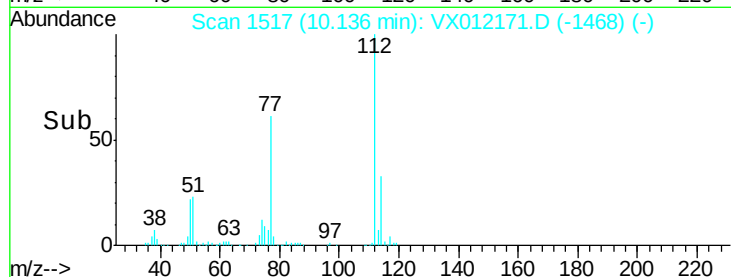
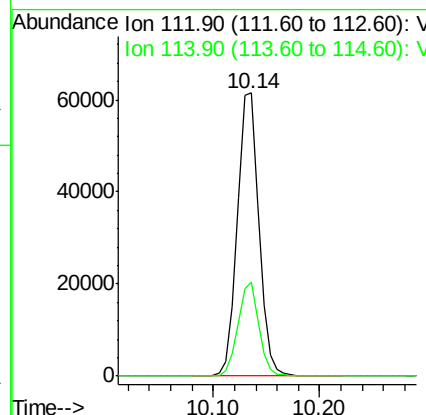
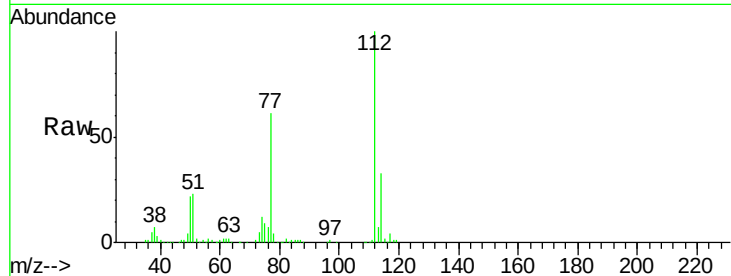
#65
Chlorobenzene
Concen: 19.457 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion:112 Resp: 88230
Ion Ratio Lower Upper
112 100
114 33.4 26.2 39.2

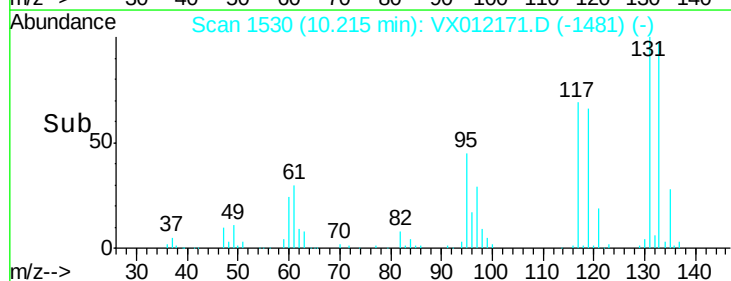
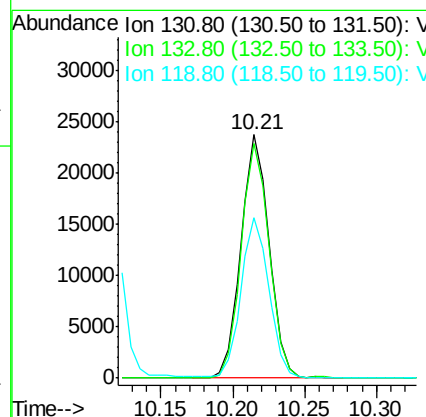
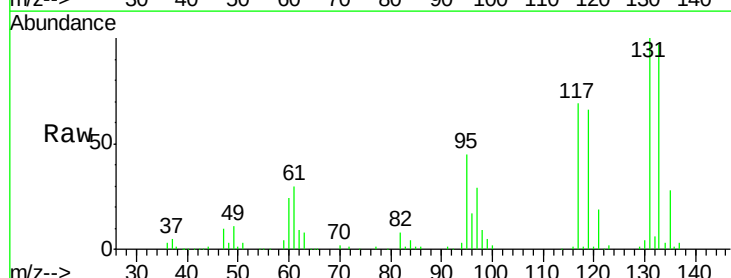
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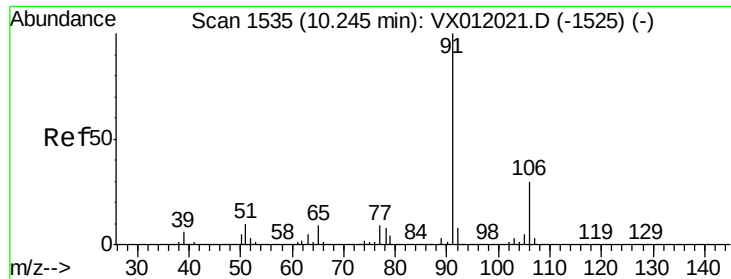
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.475 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion:131 Resp: 32292
Ion Ratio Lower Upper
131 100
133 96.2 48.4 145.0
119 65.9 30.5 91.5





#67

Ethyl Benzene

Concen: 19.902 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampled :

VX0907SBS01

Tot Ion: 91 Resp: 164509

Ion Ratio Lower Upper

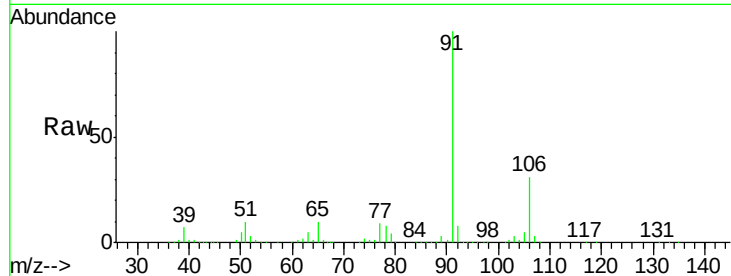
91 100

106 30.8 25.8 38.8

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Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1525) (-)

Ion 106.00 (105.70 to 106.70): VX012021.D (-1525) (-)

200000

150000

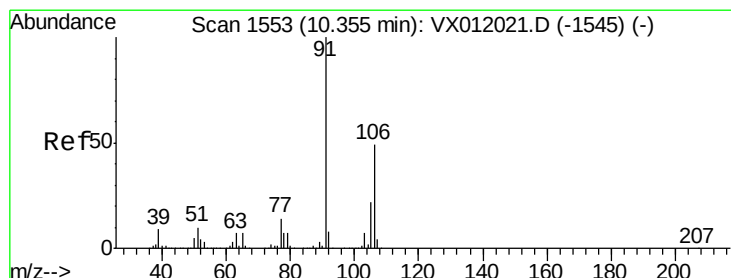
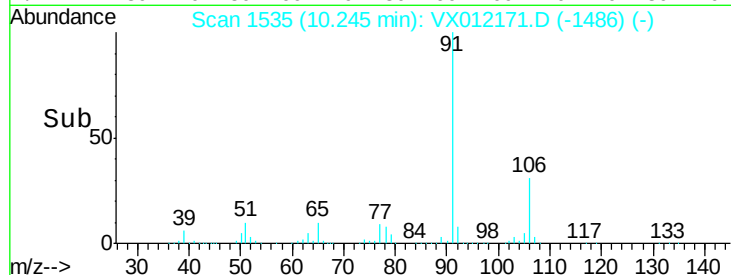
100000

50000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 39.883 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012171.D

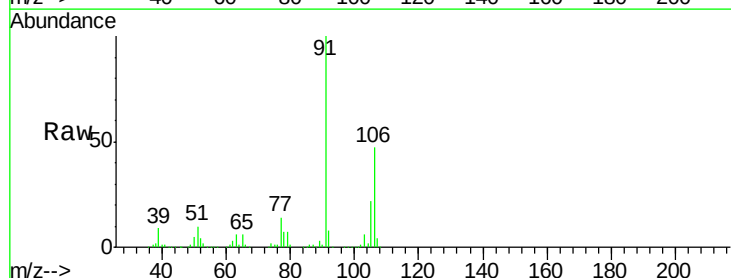
Acq: 07 Sep 2019 11:14

Tgt Ion: 106 Resp: 121462

Ion Ratio Lower Upper

106 100

91 215.1 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VX012021.D (-1545) (-)

Ion 91.00 (90.70 to 91.70): VX012021.D (-1545) (-)

200000

150000

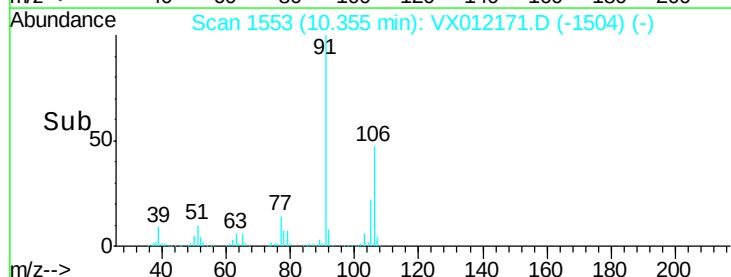
100000

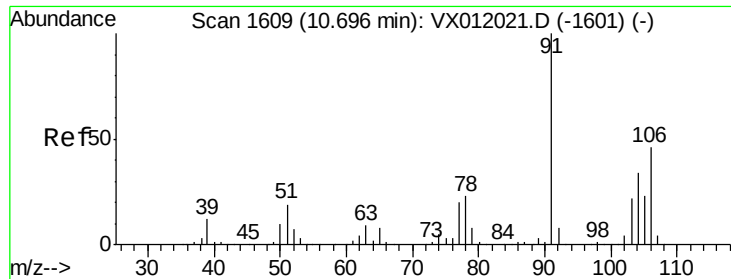
50000

0

10.30 10.36 10.40 10.50

Time-->





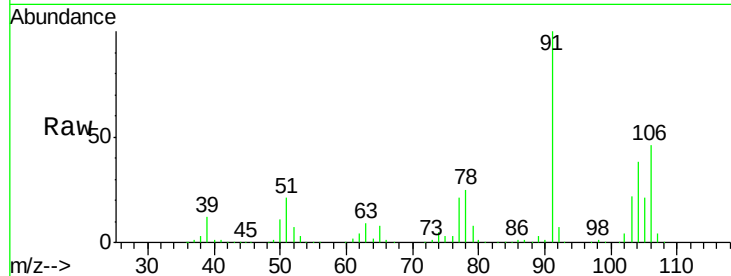
#69
o-Xylene
Concen: 19.716 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampled :
VX0907SBS01

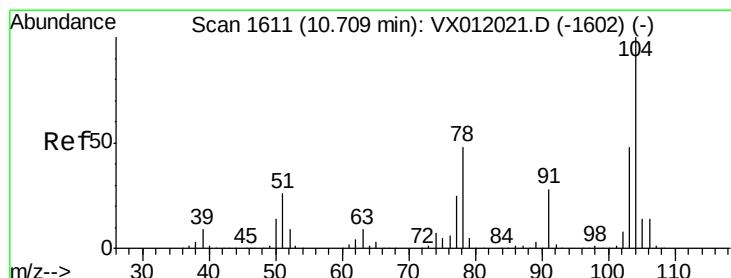
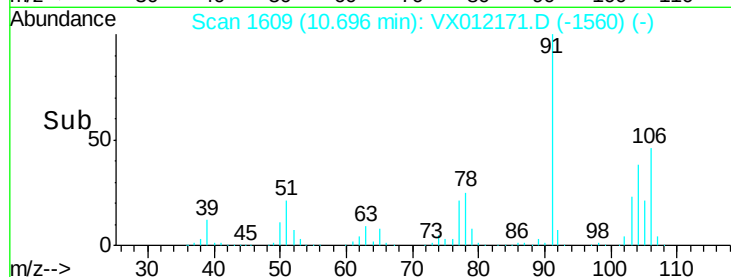
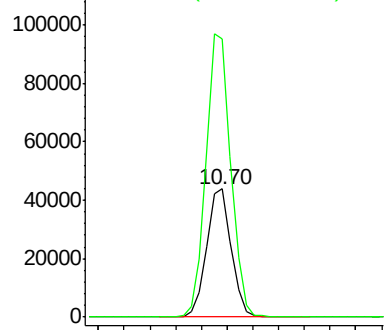
Tot Ion:106 Resp: 58225
Ion Ratio Lower Upper
106 100
91 223.1 103.5 310.3

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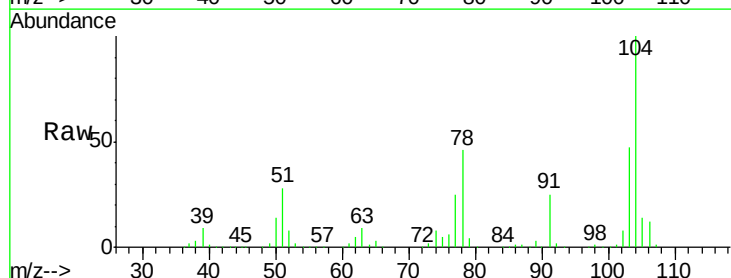


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

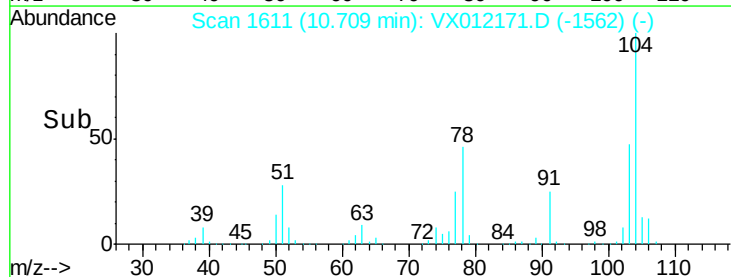
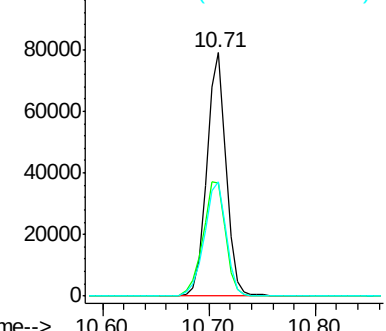


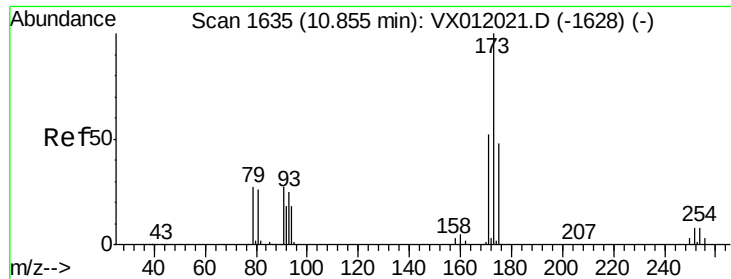
#70
Styrene
Concen: 19.538 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion:104 Resp: 100220
Ion Ratio Lower Upper
104 100
78 55.5 39.1 58.7
103 53.5 43.4 65.2



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: 16.831 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion:173 Resp: 15328

Ion Ratio Lower Upper

173 100

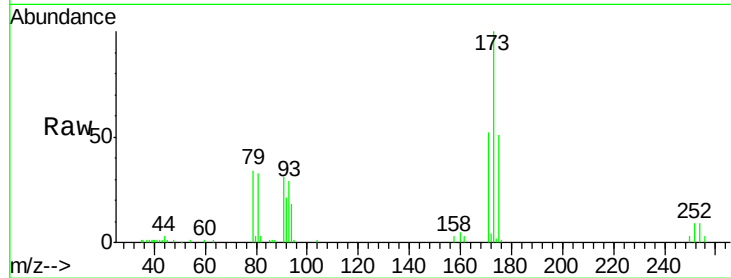
175 52.1 24.9 74.7

254 0.0 0.1 0.1#

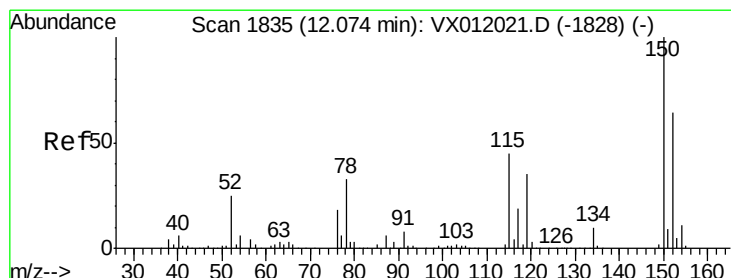
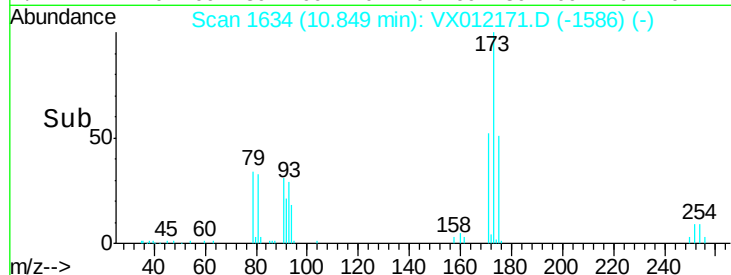
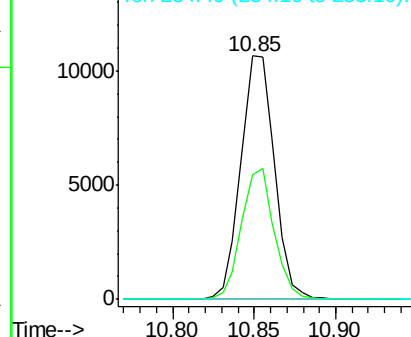
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

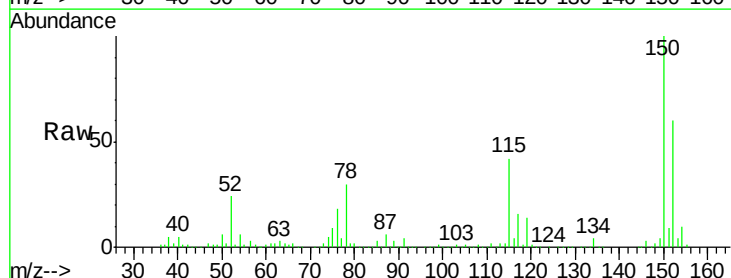
Tgt Ion:152 Resp: 116154

Ion Ratio Lower Upper

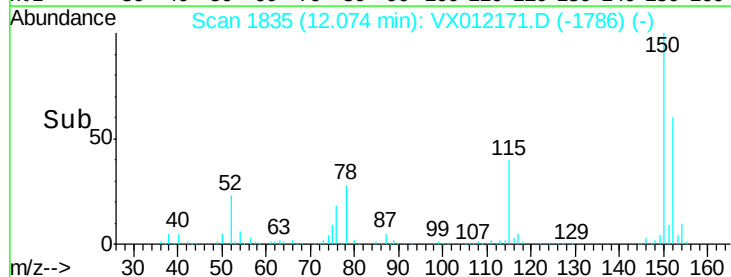
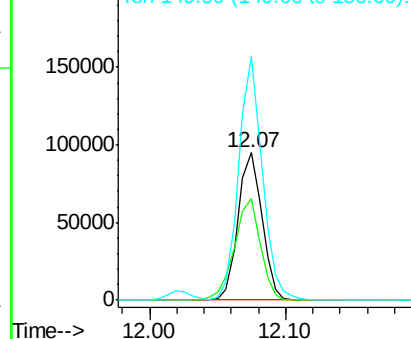
152 100

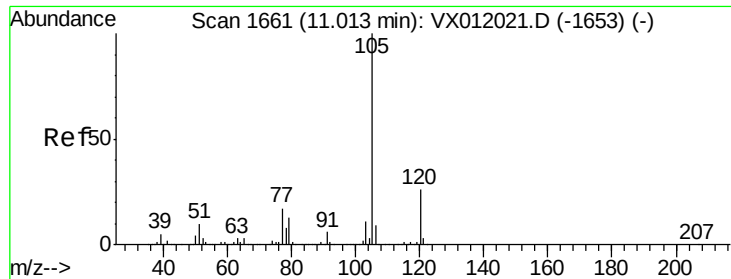
115 74.9 36.4 109.3

150 163.2 0.0 341.2



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: 19.329 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampled :

VX0907SBS01

Tot Ion:105 Resp: 164729

Ion Ratio Lower Upper

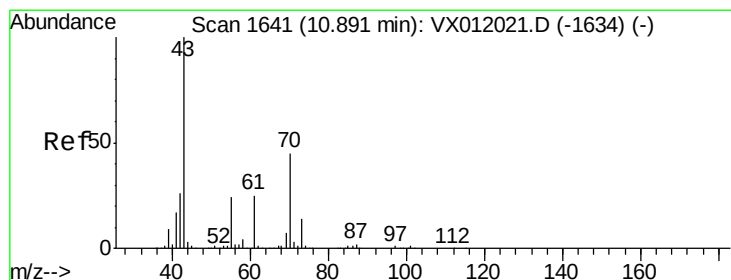
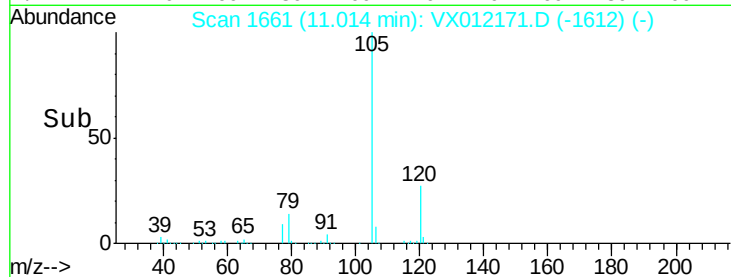
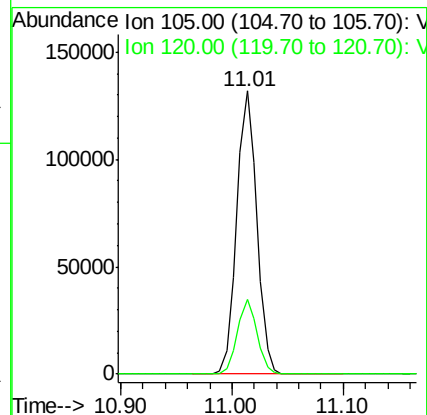
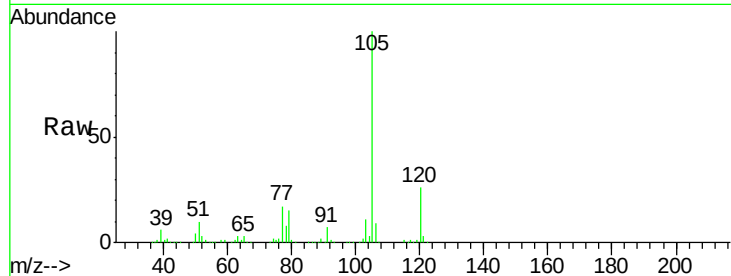
105 100

120 26.0 13.9 41.6

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#74

N-ethyl acetate

Concen: 16.627 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Tgt Ion: 43 Resp: 41897

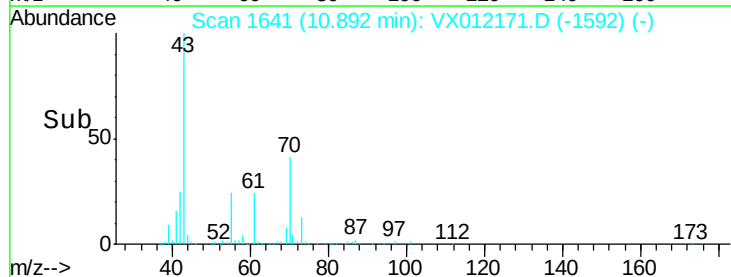
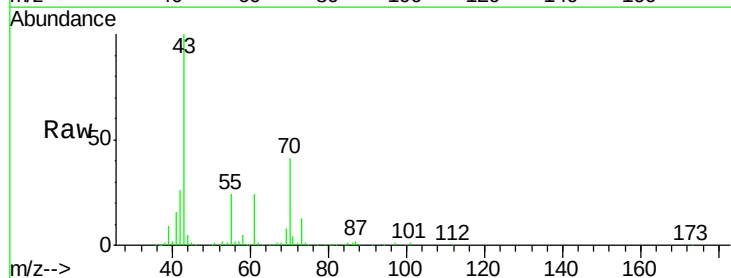
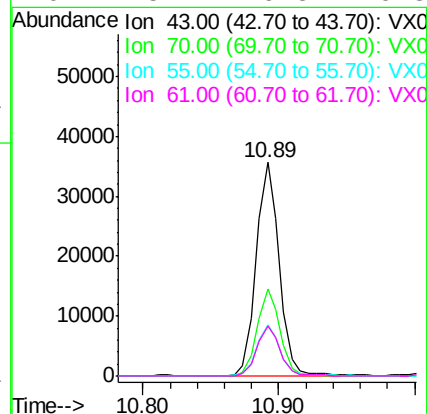
Ion Ratio Lower Upper

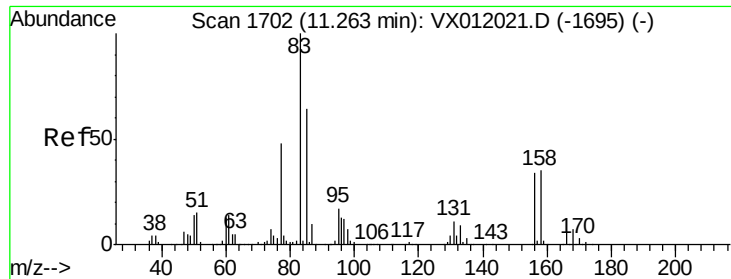
43 100

70 41.2 34.4 51.6

55 25.5 18.5 27.7

61 23.7 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 16.778 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

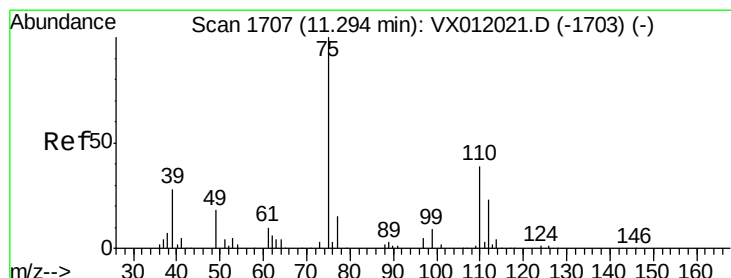
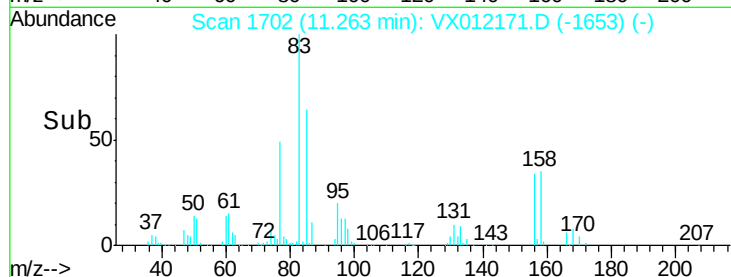
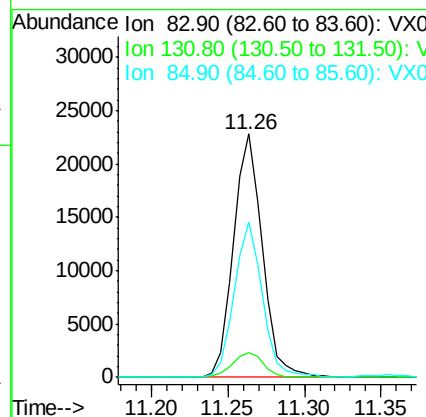
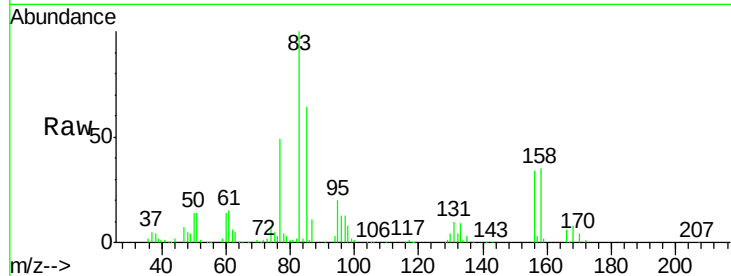
ClientSampleId :

VX0907SBS01

Tot Ion:	83	Resp:	29810
Ion Ratio	Lower	Upper	
83	100		
131	11.0	6.3	19.1
85	62.6	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 19.103 ug/l m

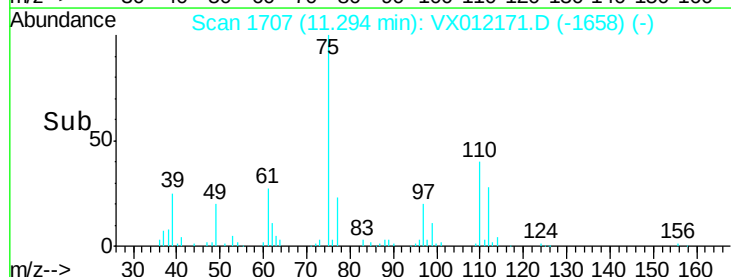
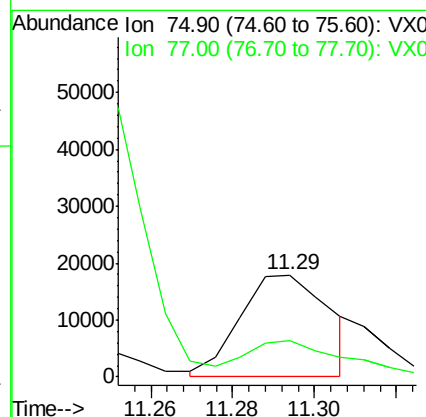
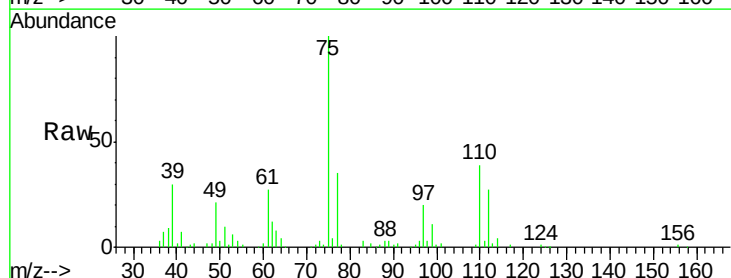
RT: 11.29 min Scan# 1707

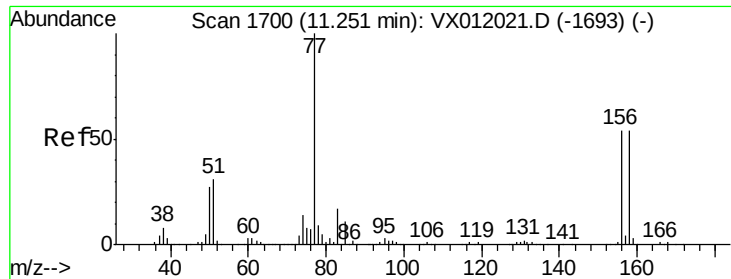
Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Tgt Ion:	75	Resp:	27112
Ion Ratio	Lower	Upper	
75	100		
77	39.5	23.5	70.5





#77

Bromobenzene

Concen: 18.697 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

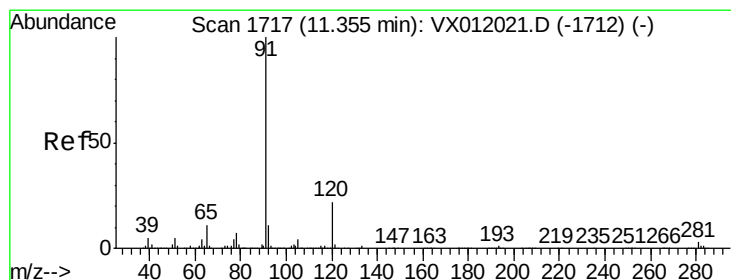
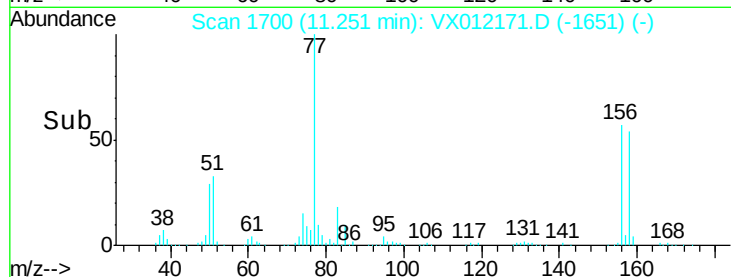
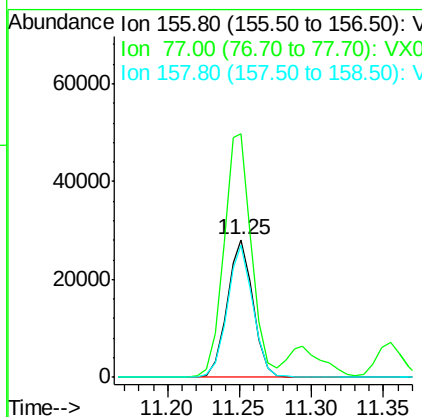
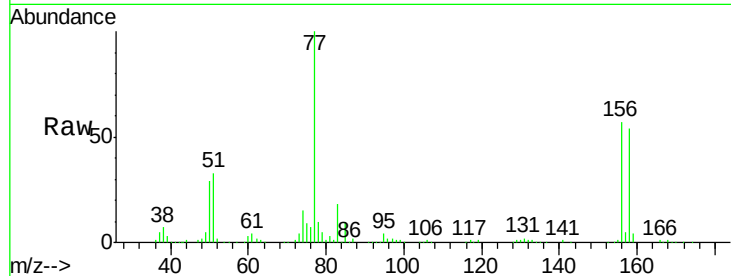
ClientSampleId :

VX0907SBS01

Tot Ion:	156	Resp:	35638
Ion	Ratio	Lower	Upper
156	100		
77	187.7	63.4	190.2
158	95.5	48.9	146.6

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#78

n-propylbenzene

Concen: 19.244 ug/l

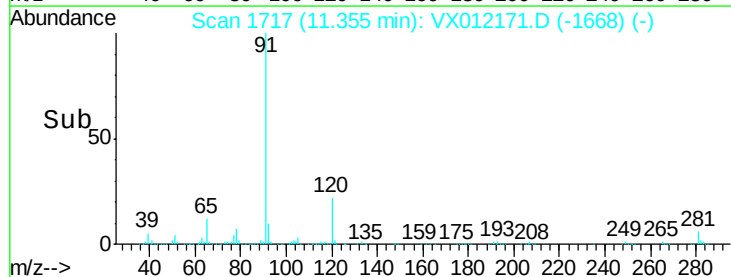
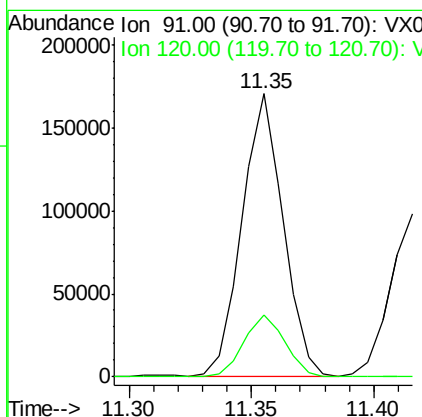
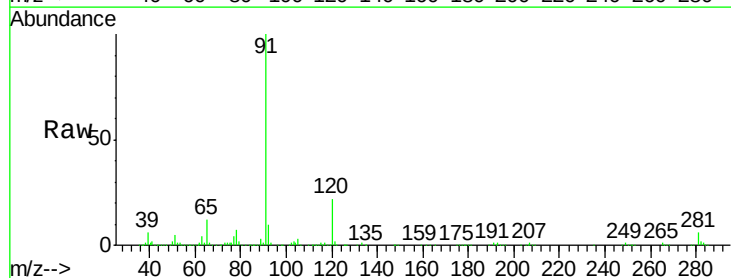
RT: 11.35 min Scan# 1717

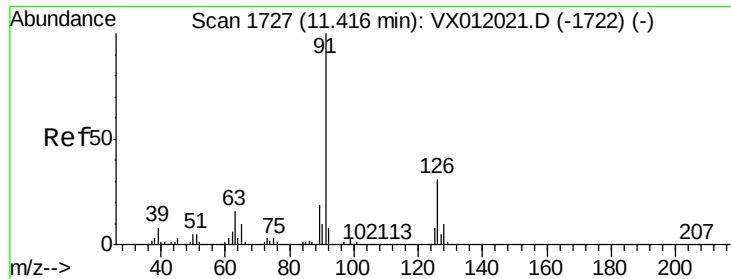
Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Tgt Ion:	91	Resp:	198134
Ion	Ratio	Lower	Upper
91	100		
120	22.3	12.7	38.0





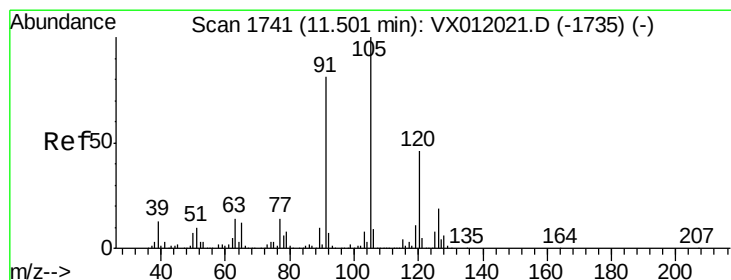
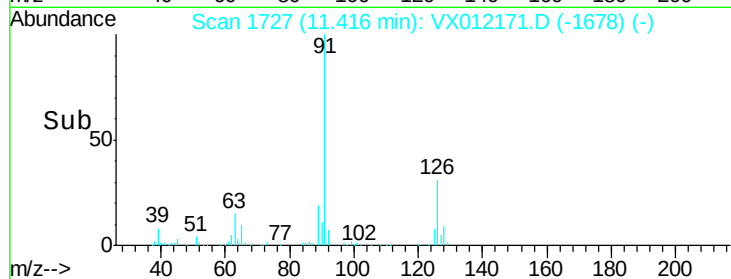
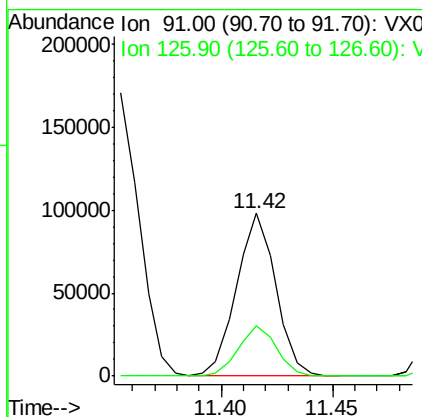
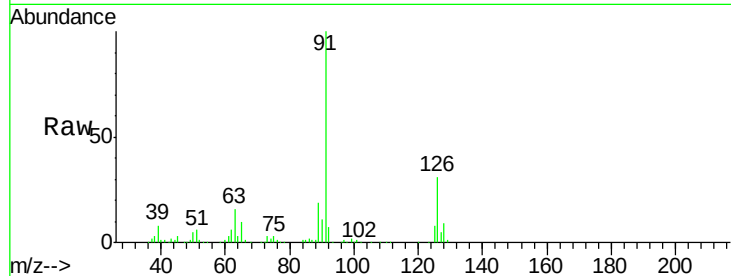
#79
2-Chlorotoluene
Concen: 19.219 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.6	18.6	55.8

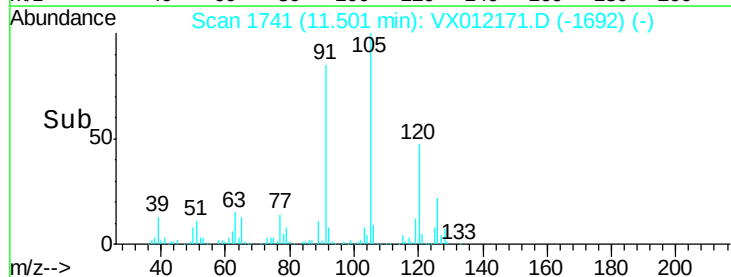
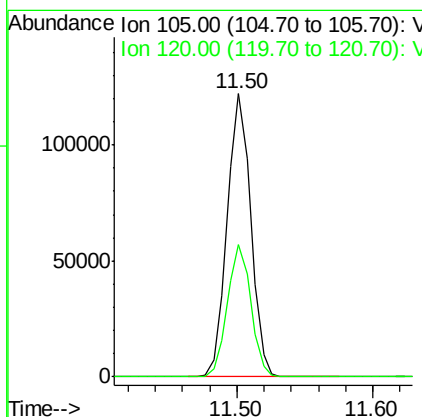
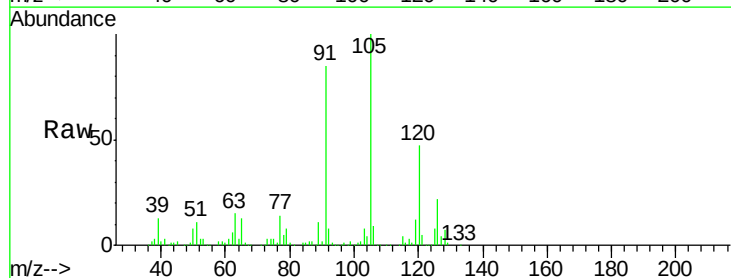
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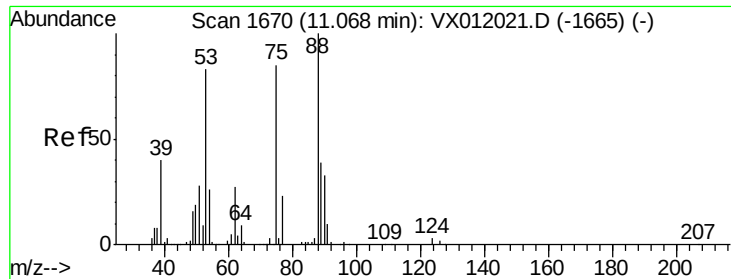
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#80
1,3,5-Trimethylbenzene
Concen: 19.697 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX012171.D
Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	25.8	77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 15.824 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion: 75 Resp: 9499

Ion Ratio Lower Upper

75 100

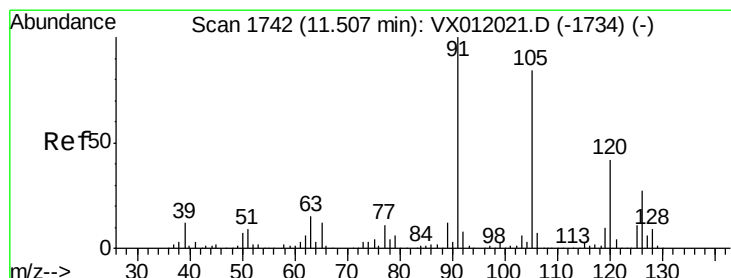
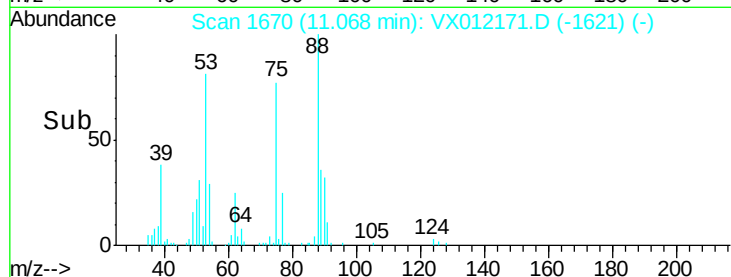
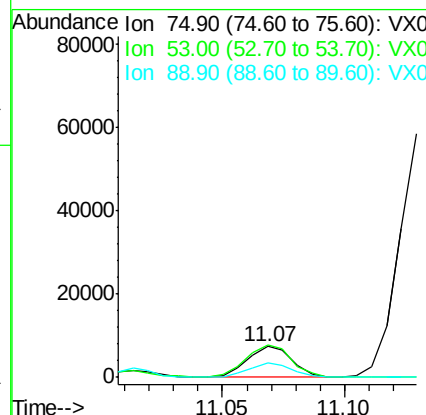
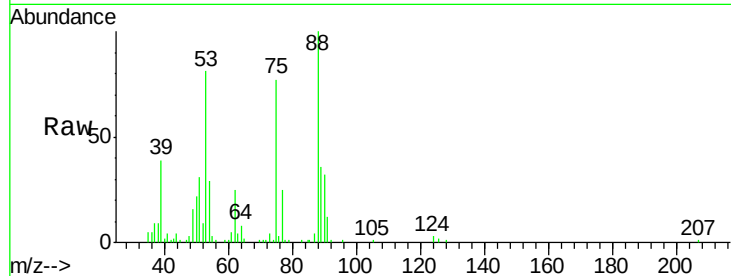
53 107.0 78.6 117.8

89 43.2 38.8 58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.517 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012171.D

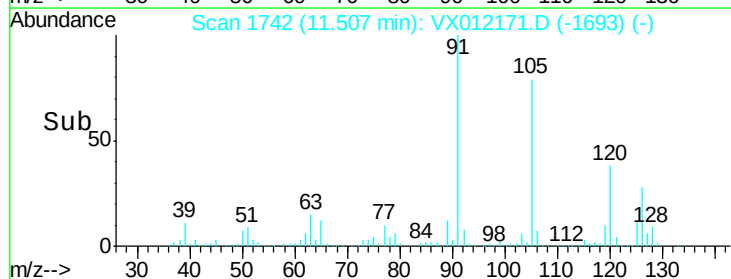
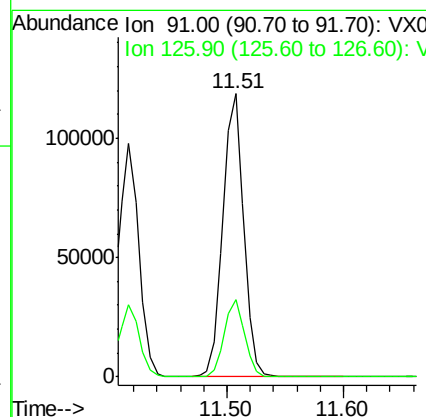
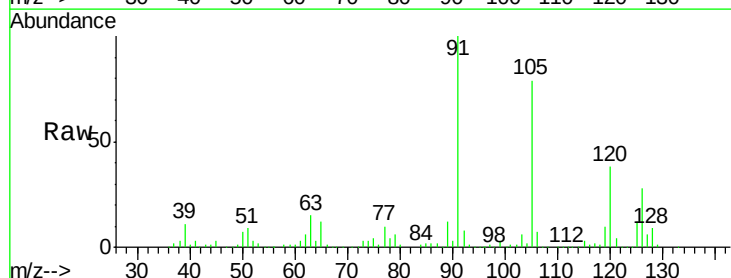
Acq: 07 Sep 2019 11:14

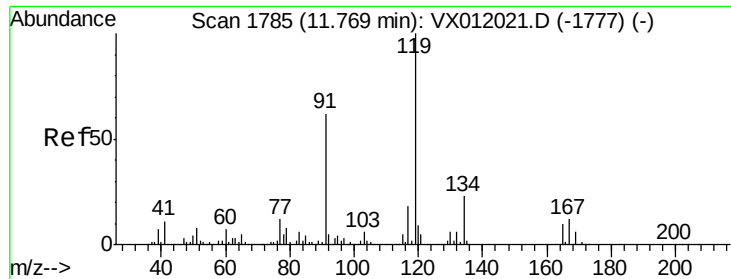
Tgt Ion: 91 Resp: 145101

Ion Ratio Lower Upper

91 100

126 27.1 16.2 48.6





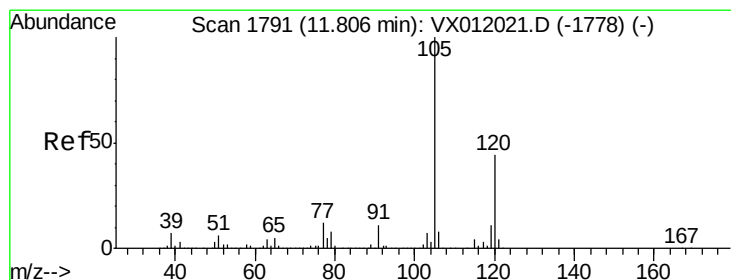
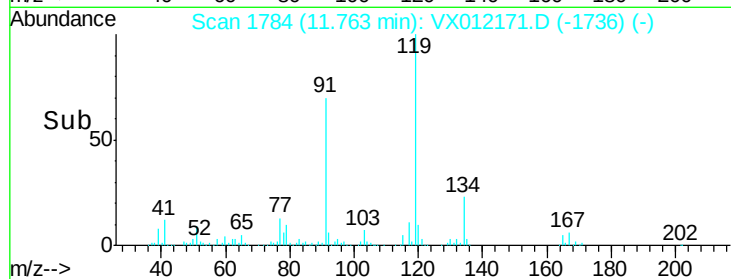
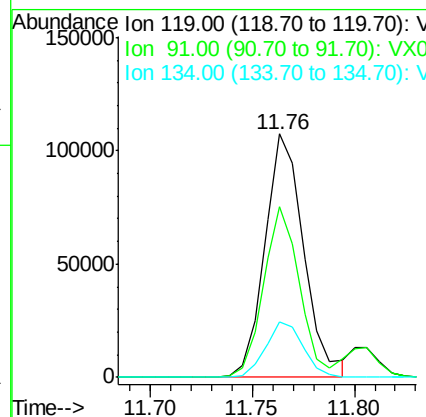
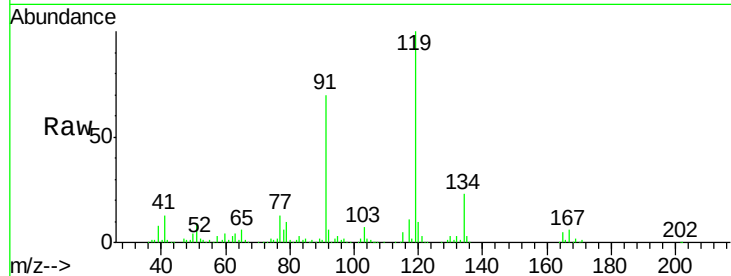
#83
 tert-Butylbenzene
 Concen: 20.047 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	27.1	81.2
134	22.1	12.1	36.3

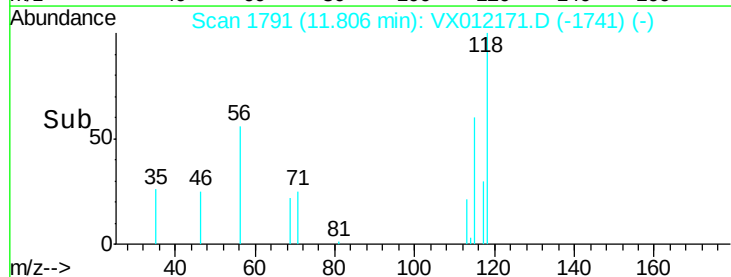
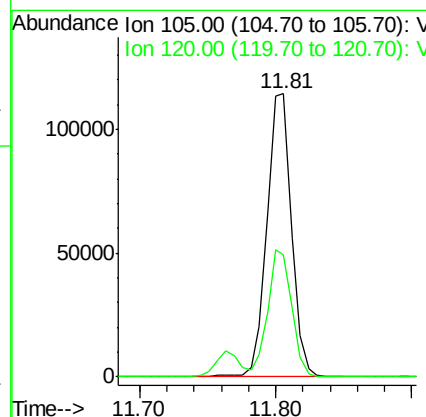
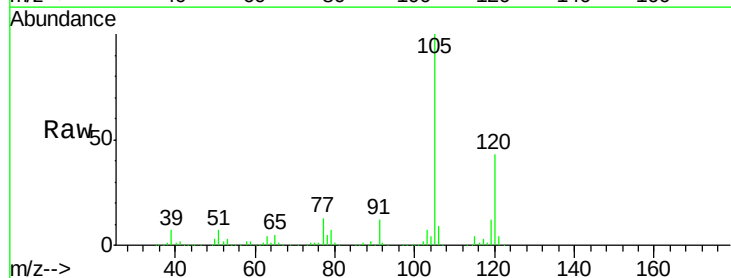
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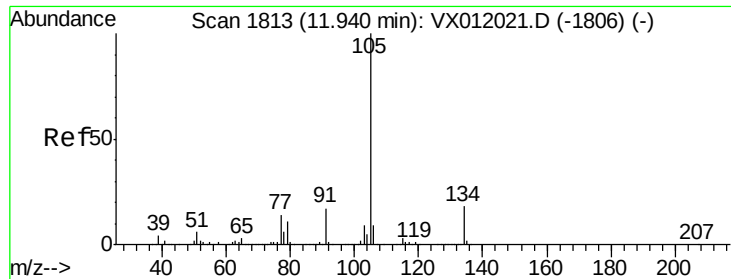
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.063 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	23.6	70.8





#85

sec-Butylbenzene

Concen: 20.150 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS01

Tot Ion:105 Resp: 178158

Ion Ratio Lower Upper

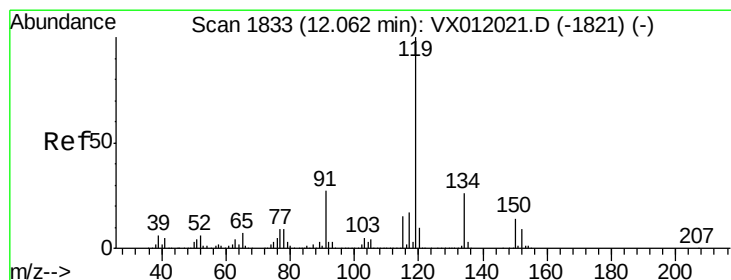
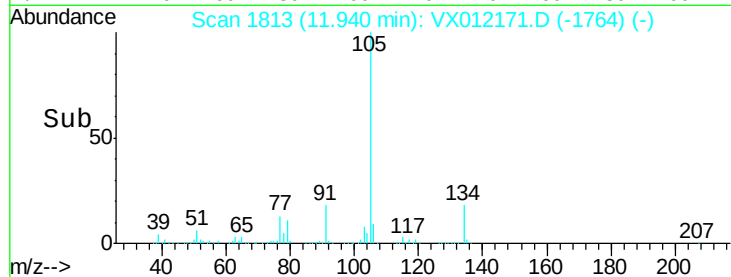
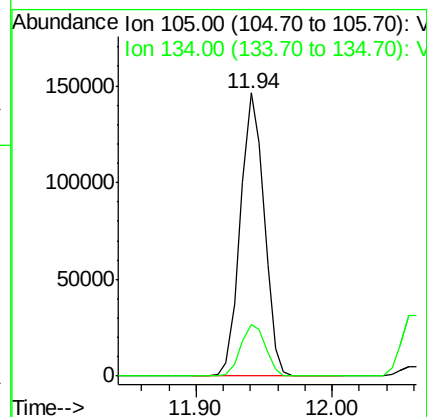
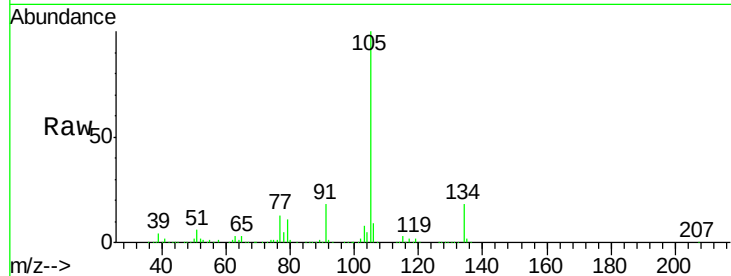
105 100

134 19.0 11.2 33.6

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#86

p-Isopropyltoluene

Concen: 19.663 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

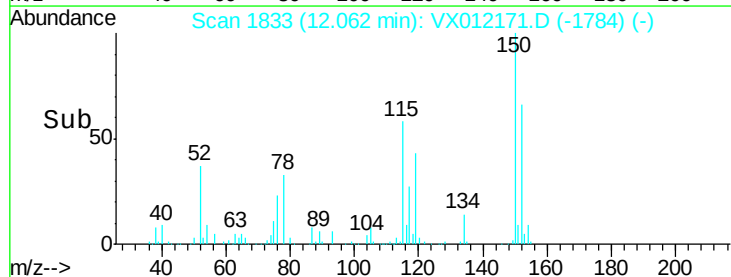
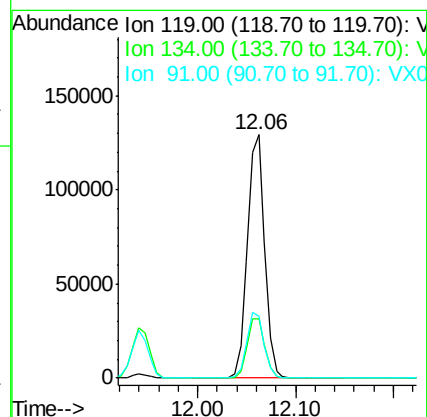
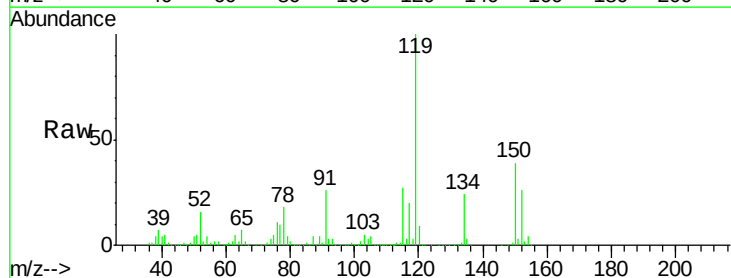
Tgt Ion:119 Resp: 158106

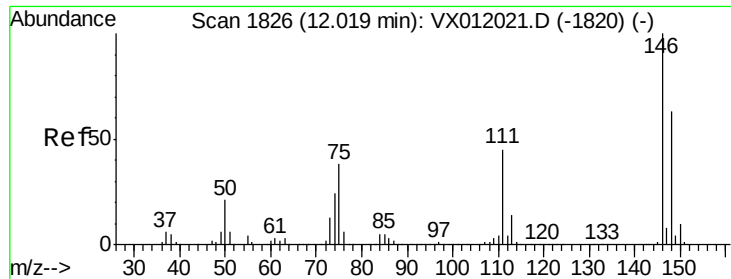
Ion Ratio Lower Upper

119 100

134 25.0 13.7 41.1

91 27.1 11.4 34.1





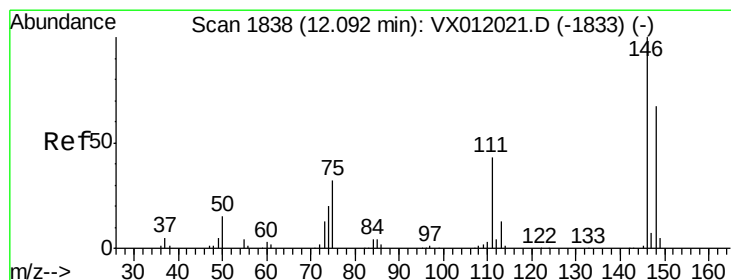
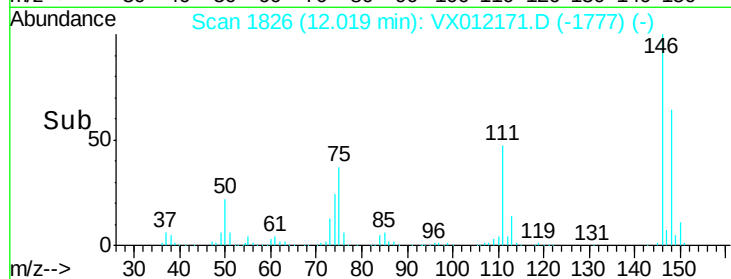
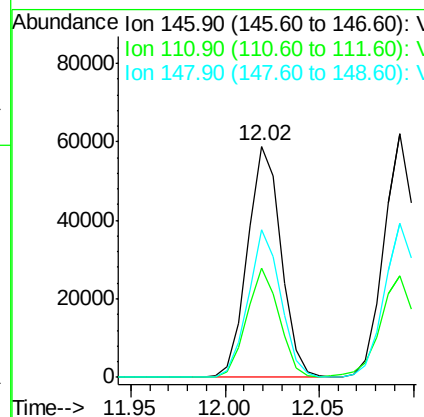
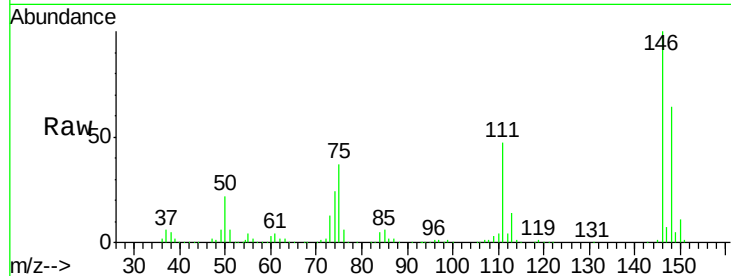
#87
 1,3-Dichlorobenzene
 Concen: 19.026 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	18.1	54.1
148	61.8	32.6	97.8

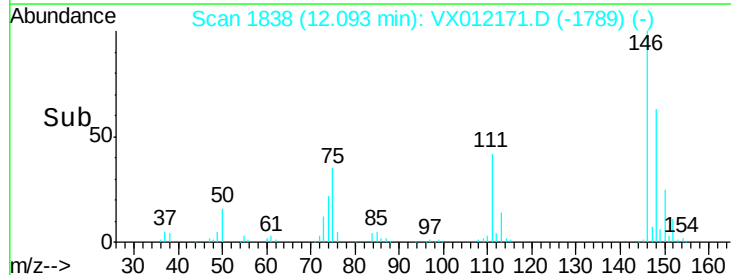
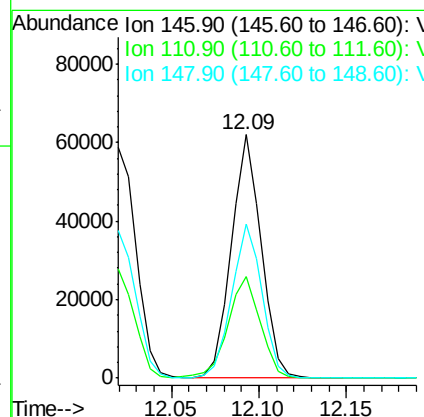
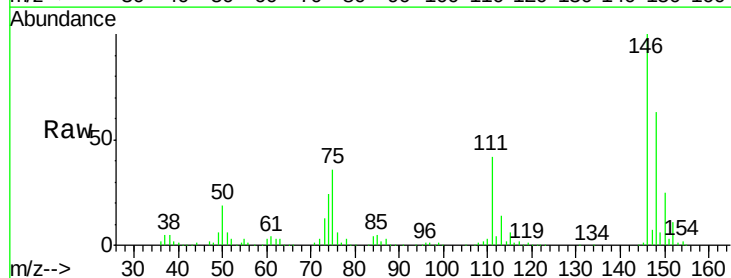
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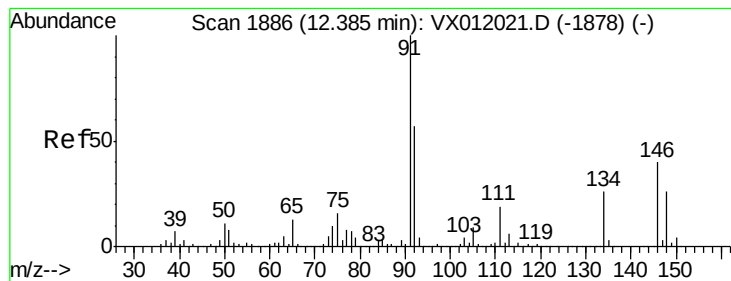
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#88
 1,4-Dichlorobenzene
 Concen: 19.240 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	17.7	53.1
148	64.2	32.4	97.0





#89

n-Butylbenzene

Concen: 19.859 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

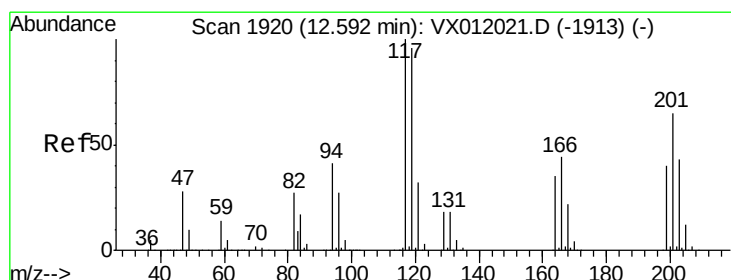
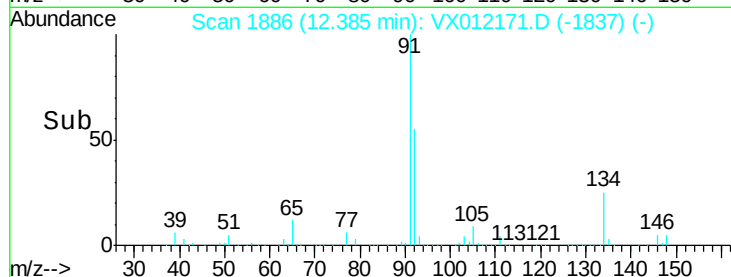
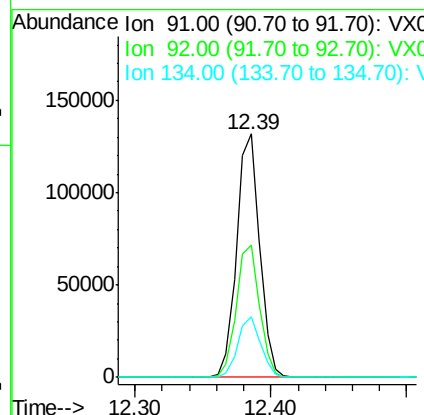
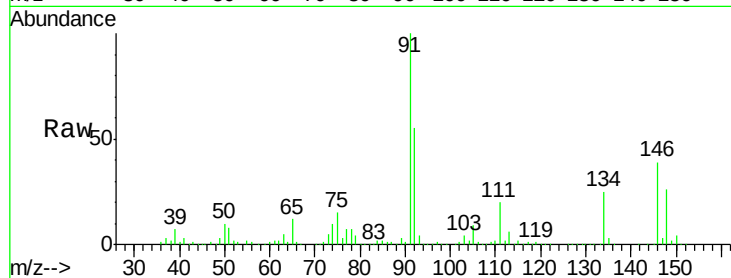
ClientSampled :

VX0907SBS01

Tot Ion:	91	Resp:	155116
Ion Ratio	Lower	Upper	
91	100		
92	55.0	27.6	82.8
134	24.7	15.4	46.1

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#90

Hexachloroethane

Concen: 18.485 ug/l

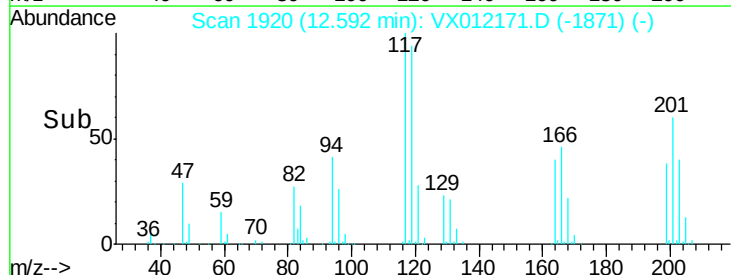
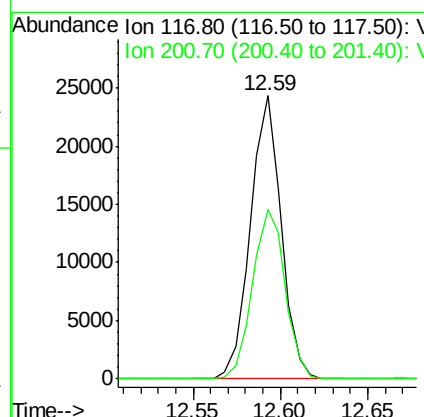
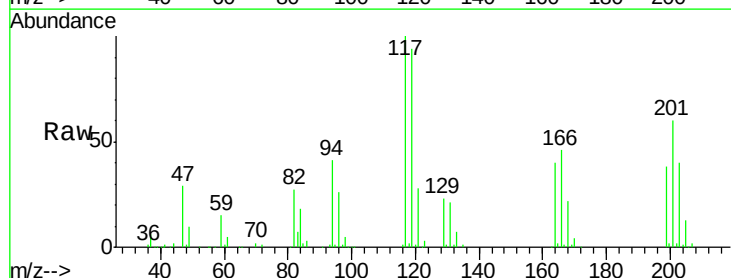
RT: 12.59 min Scan# 1920

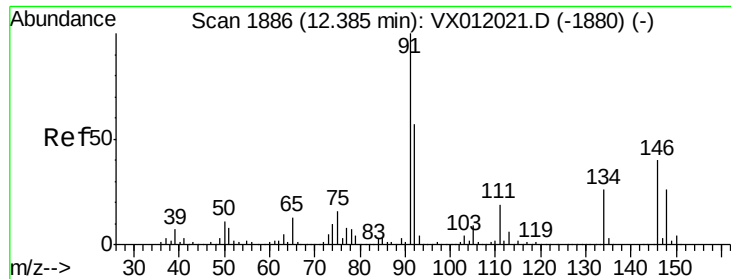
Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Tgt Ion:	117	Resp:	29678
Ion Ratio	Lower	Upper	
117	100		
201	63.2	55.0	165.2





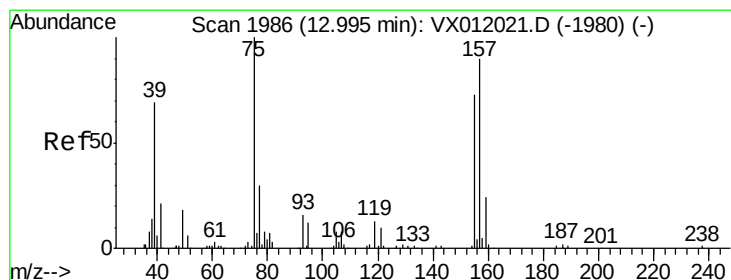
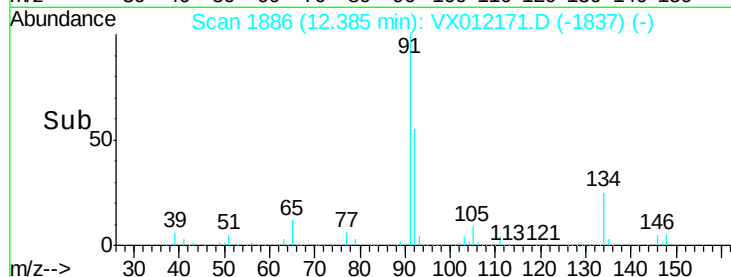
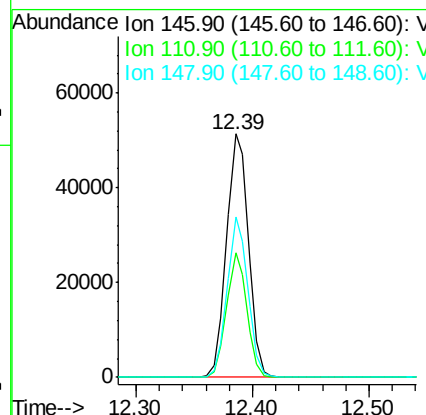
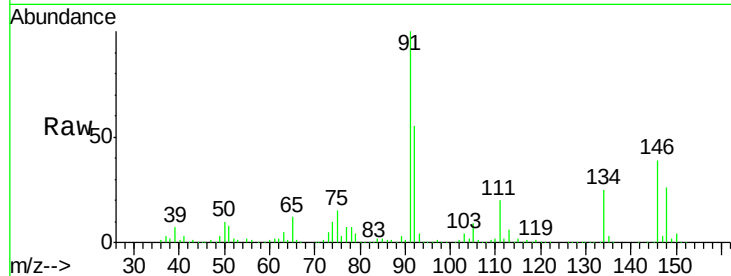
#91
 1,2-Dichlorobenzene
 Concen: 19.358 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0907SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	18.6	56.0
148	62.1	32.4	97.2

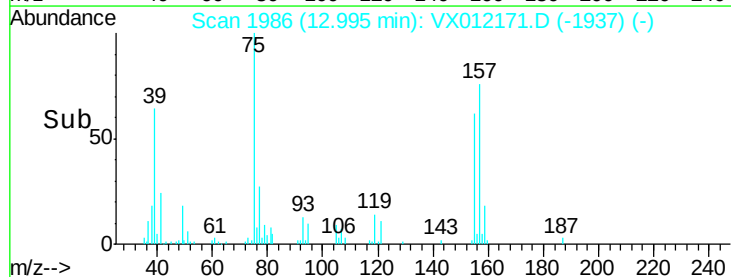
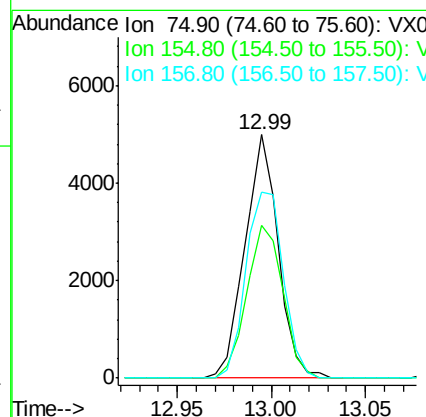
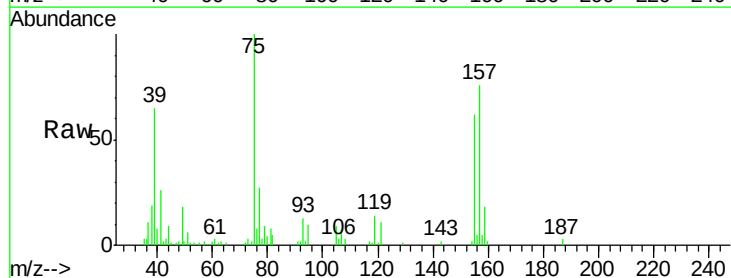
Manual Integrations
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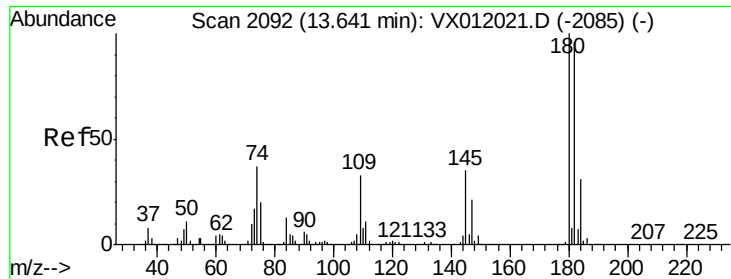
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.442 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.0	51.7	155.2
157	85.8	66.9	200.7





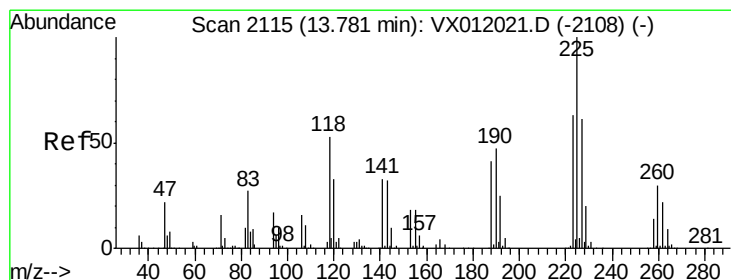
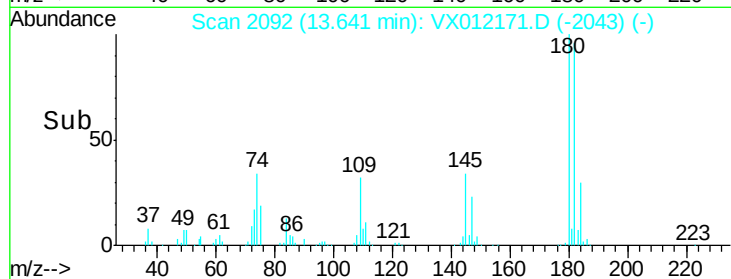
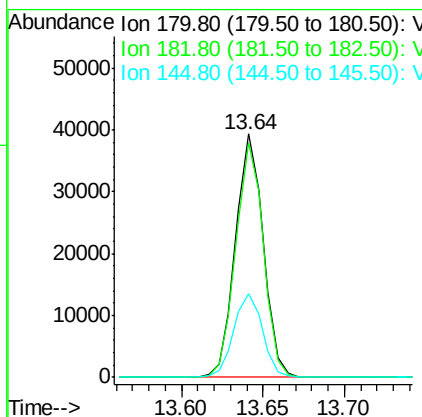
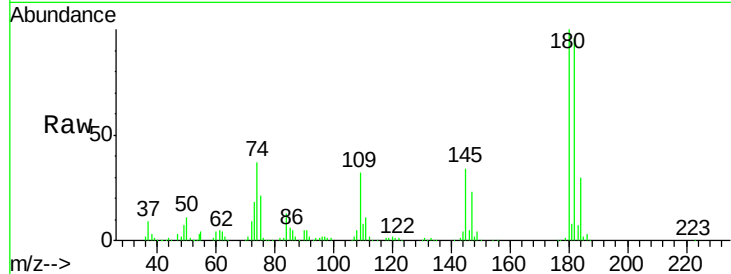
#93
 1,2,4-Trichlorobenzene
 Concen: 19.062 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46669		
182	95.7	47.3	142.0	
145	35.7	13.7	41.0	

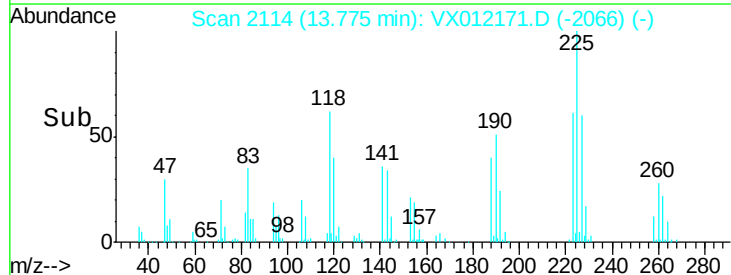
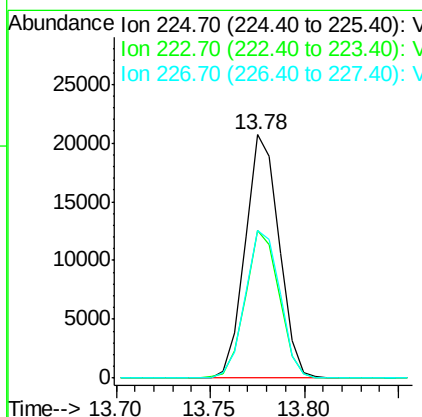
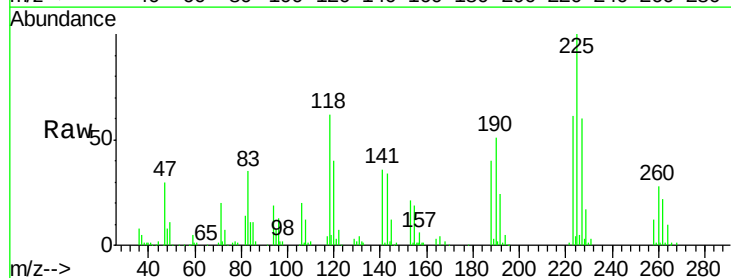
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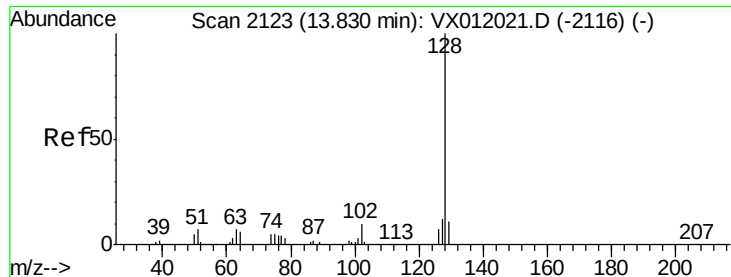
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#94
 Hexachlorobutadiene
 Concen: 20.896 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012171.D
 Acq: 07 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25789		
223	60.5	31.6	95.0	
227	62.1	32.5	97.5	





#95

Naphthalene

Concen: 16.994 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Instrument :

MSVOA_X

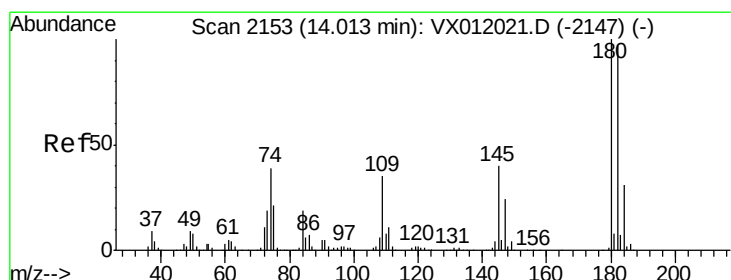
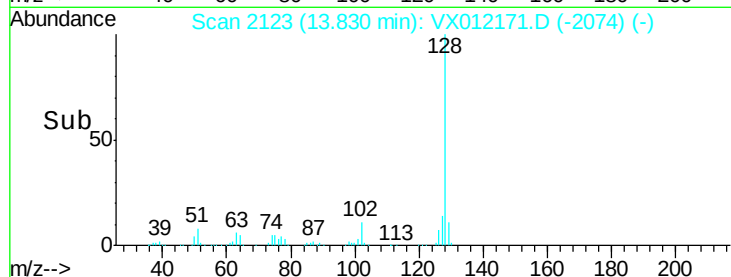
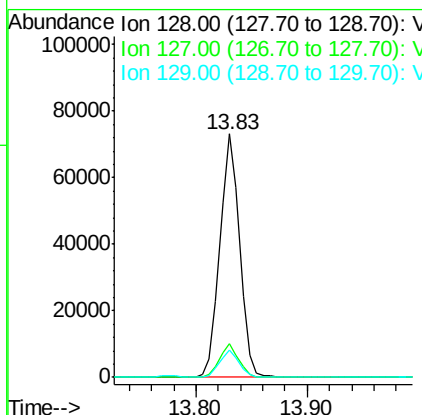
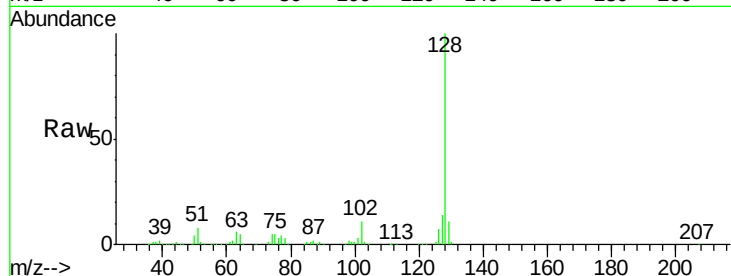
ClientSampled :

VX0907SBS01

Tot Ion:	128	Resp:	90047
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/9/2019 9:18:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.590 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX012171.D

Acq: 07 Sep 2019 11:14

Tgt Ion:	180	Resp:	40042
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.6
145	37.2	14.1	42.4

