

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071119\
 Data File : VX010802.D
 Acq On : 11 Jul 2019 13:16
 Operator : JC/SP
 Sample : VX0711WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 12:21:53 PM

Quant Time: Jul 12 07:13:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114162	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	5.50	113	100985	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	8.71	98	372290	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
62) 4-Bromofluorobenzene	11.13	95	141505	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41597	25.760	ug/l	97
3) Chloromethane	1.33	50	40958	21.782	ug/l	99
4) Vinyl Chloride	1.41	62	43459	21.101	ug/l	99
5) Bromomethane	1.64	94	23708	23.628	ug/l	98
6) Chloroethane	1.72	64	28395	23.369	ug/l	98
7) Trichlorofluoromethane	1.93	101	73418	22.487	ug/l	99
8) Diethyl Ether	2.19	74	25520	21.797	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41849	21.152	ug/l	97
10) Methyl Iodide	2.51	142	53659	19.004	ug/l	95
11) Tert butyl alcohol	3.05	59	53590	94.042	ug/l	97
12) 1,1-Dichloroethene	2.37	96	40477	20.105	ug/l	93
13) Acrolein	2.29	56	26714	70.668	ug/l	98
14) Allyl chloride	2.73	41	59385	20.777	ug/l	95
15) Acrylonitrile	3.14	53	119797	106.181	ug/l	99
16) Acetone	2.45	43	117481	107.640	ug/l	95
17) Carbon Disulfide	2.57	76	88602	16.404	ug/l	99
18) Methyl Acetate	2.78	43	48108	22.116	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	139666	22.052	ug/l	97
20) Methylene Chloride	2.85	84	46905	20.883	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	42935	19.829	ug/l	93
22) Diisopropyl ether	3.85	45	128991	21.585	ug/l	99
23) Vinyl Acetate	3.82	43	559666	108.408	ug/l	97
24) 1,1-Dichloroethane	3.70	63	73734	21.345	ug/l	99
25) 2-Butanone	4.67	43	169706	106.001	ug/l	97
26) 2,2-Dichloropropane	4.59	77	60772	20.252	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	51806	20.704	ug/l	97
28) Bromochloromethane	5.01	49	30216	18.295	ug/l	93
29) Tetrahydrofuran	5.13	42	105490	106.377	ug/l	99
30) Chloroform	5.21	83	80104	21.553	ug/l	97
31) Cyclohexane	5.57	56	65801	20.918	ug/l	91
32) 1,1,1-Trichloroethane	5.50	97	67823	20.666	ug/l	99
36) 1,1-Dichloropropene	5.80	75	57053	21.039	ug/l	97
37) Ethyl Acetate	4.84	43	60233	21.591	ug/l	98
38) Carbon Tetrachloride	5.78	117	56885	19.372	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	72499	20.339	ug/l	92
40) Benzene	6.14	78	176623	20.906	ug/l	100
41) Methacrylonitrile	5.04	41	33668	21.995	ug/l	97
42) 1,2-Dichloroethane	6.20	62	63586	24.725	ug/l	96
43) Isopropyl Acetate	6.45	43	97391	21.100	ug/l	98
44) Trichloroethene	7.21	130	51649	20.431	ug/l	96
45) 1,2-Dichloropropane	7.51	63	44626	20.917	ug/l	99
46) Dibromomethane	7.66	93	32397	21.165	ug/l	94
47) Bromodichloromethane	7.90	83	54621	19.471	ug/l	98
48) Methyl methacrylate	7.77	41	46873	21.848	ug/l	96
49) 1,4-Dioxane	7.74	88	26509	428.923	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	325593	110.297	ug/l	98
52) Toluene	8.79	92	115652	20.787	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	57064	18.144	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	66097	19.339	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	48295	21.048	ug/l	99
56) Ethyl methacrylate	9.18	69	70110	20.170	ug/l	93
57) 1,3-Dichloropropane	9.37	76	76294	21.420	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	155284	94.065	ug/l	100
59) 2-Hexanone	9.49	43	258554	111.287	ug/l	97
60) Dibromochloromethane	9.58	129	45612	17.754	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50815	20.517	ug/l	99
64) Tetrachloroethene	9.34	164	51668	20.744	ug/l	98
65) Chlorobenzene	10.14	112	128236	20.512	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	45150	19.827	ug/l	99
67) Ethyl Benzene	10.25	91	224242	21.247	ug/l	98
68) m/p-Xylenes	10.36	106	173029	42.310	ug/l	97
69) o-Xylene	10.70	106	84751	21.074	ug/l	98
70) Styrene	10.71	104	142237	21.089	ug/l	97
71) Bromoform	10.85	173	32114	16.217	ug/l #	98
73) Isopropylbenzene	11.02	105	227226	20.197	ug/l	98
74) N-amyl acetate	10.90	43	89652	21.086	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	74556	20.011	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	61496m	20.334	ug/l	
77) Bromobenzene	11.26	156	61074	19.442	ug/l	96
78) n-propylbenzene	11.36	91	254587	20.590	ug/l	98
79) 2-Chlorotoluene	11.42	91	150133	20.391	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	191568	20.655	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19394	14.960	ug/l #	83
82) 4-Chlorotoluene	11.51	91	175342	20.929	ug/l	99
83) tert-Butylbenzene	11.77	119	186347	20.019	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	194714	20.897	ug/l	99
85) sec-Butylbenzene	11.94	105	221704	20.285	ug/l	99
86) p-Isopropyltoluene	12.06	119	209312	20.704	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	109795	20.023	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	110047	19.713	ug/l	98
89) n-Butylbenzene	12.39	91	181595	21.139	ug/l	99
90) Hexachloroethane	12.60	117	28149	16.103	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	110545	20.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15044	18.728	ug/l	92

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	76347	20.201	ug/l	99
94) Hexachlorobutadiene	13.78	225	36559	19.792	ug/l	97
95) Naphthalene	13.83	128	242184	20.852	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	75952	20.212	ug/l	97

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

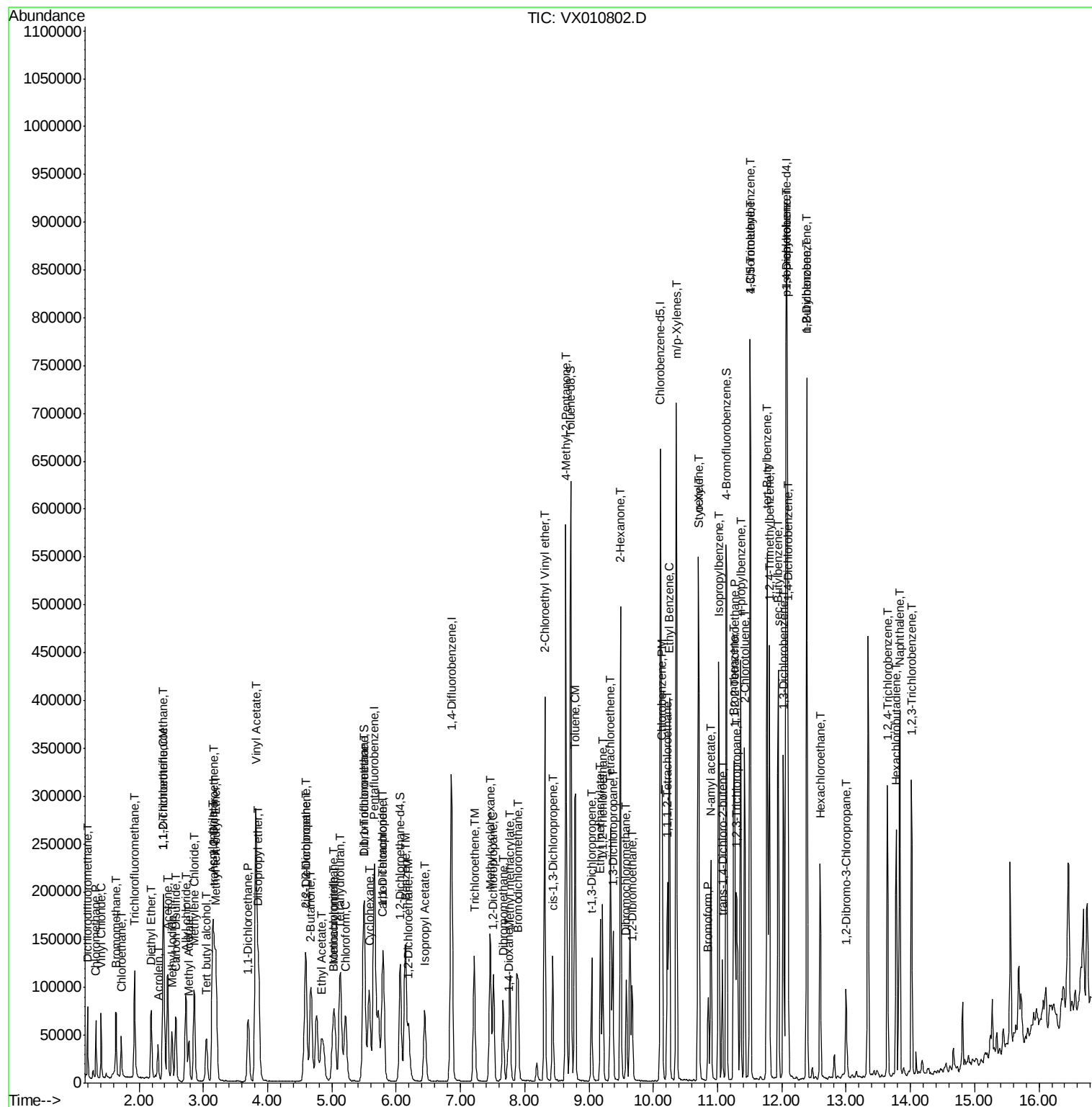
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Data File : VX010802.D
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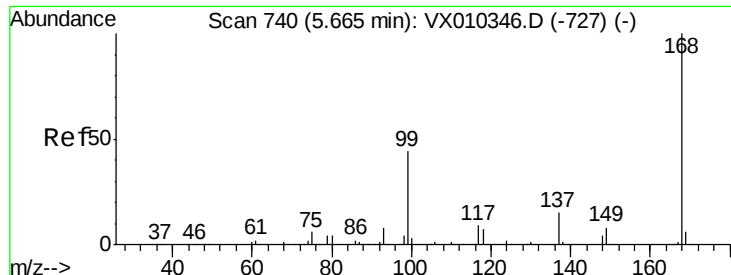
Instrument :
MSVOA_X
Client Sample ID :
VX0711WBS02

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion:168 Resp: 232270

Ion Ratio Lower Upper

168 100

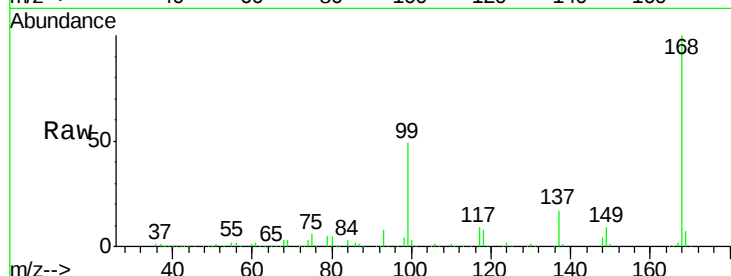
99 48.7 35.5 53.3

Manual Integrations

APPROVED

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7/12/2019 12:21:53 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

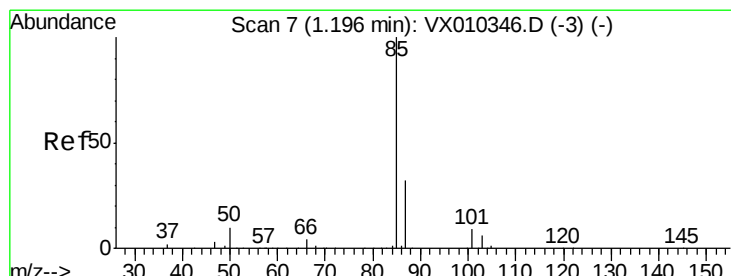
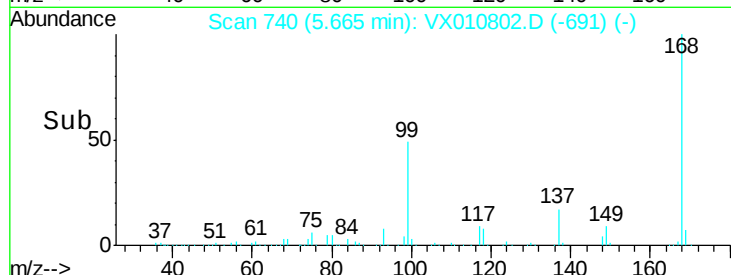
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 25.760 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010802.D

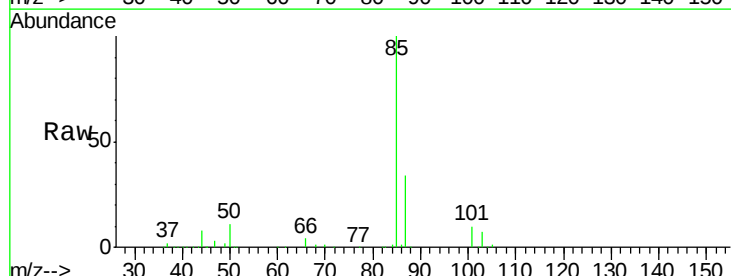
Acq: 11 Jul 2019 13:16

Tgt Ion: 85 Resp: 41597

Ion Ratio Lower Upper

85 100

87 34.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

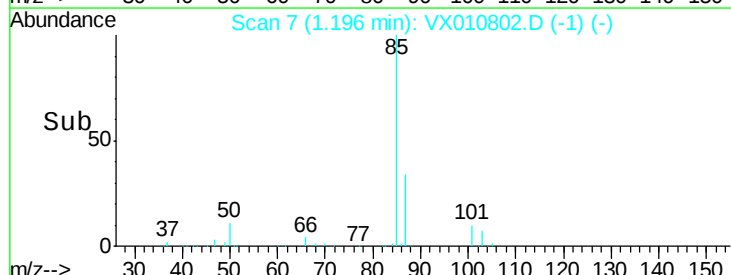
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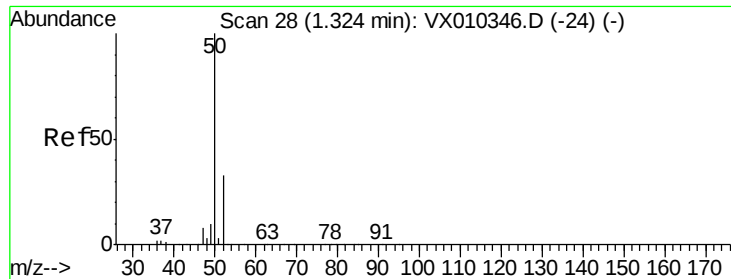
20000

10000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 21.782 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion: 50 Resp: 40958

Ion Ratio Lower Upper

50 100

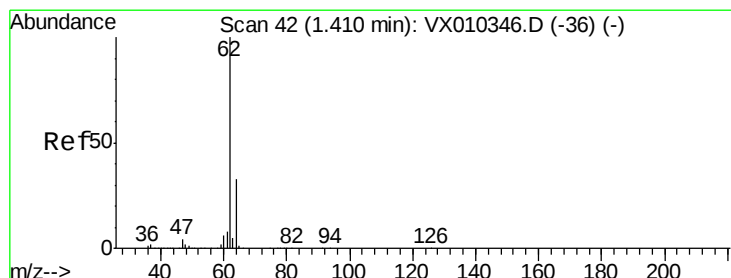
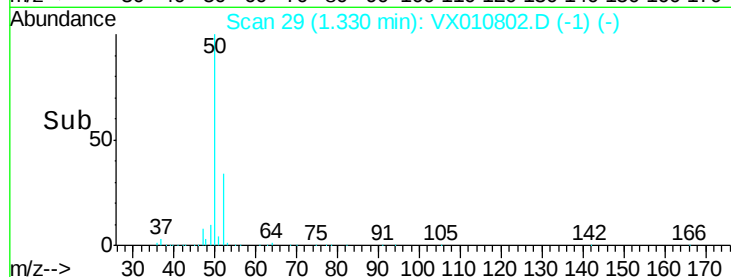
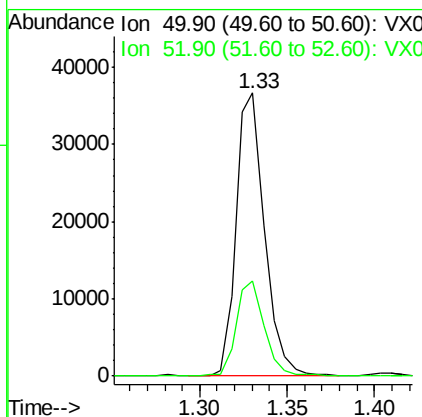
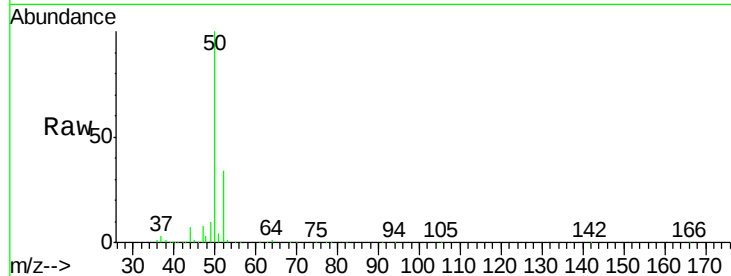
52 33.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.101 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010802.D

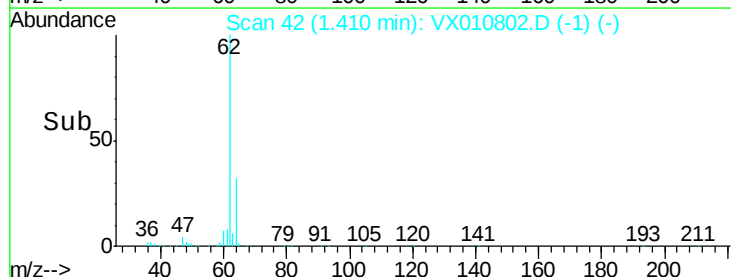
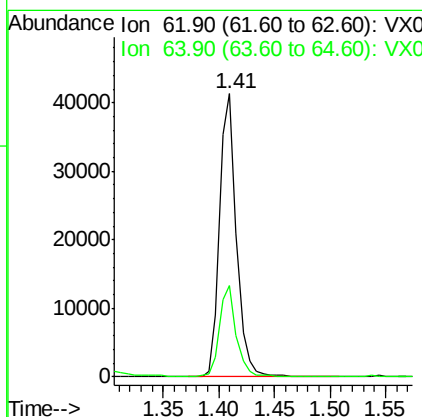
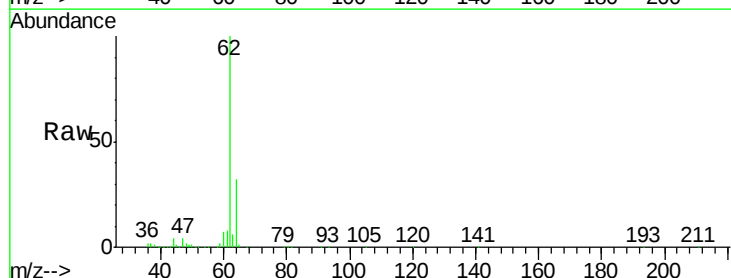
Acq: 11 Jul 2019 13:16

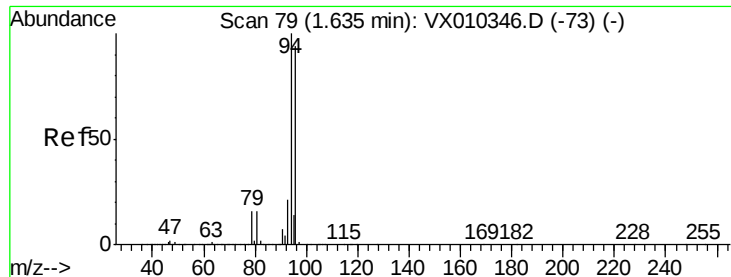
Tgt Ion: 62 Resp: 43459

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4





#5

Bromomethane

Concen: 23.628 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion: 94 Resp: 23708

Ion Ratio Lower Upper

94 100

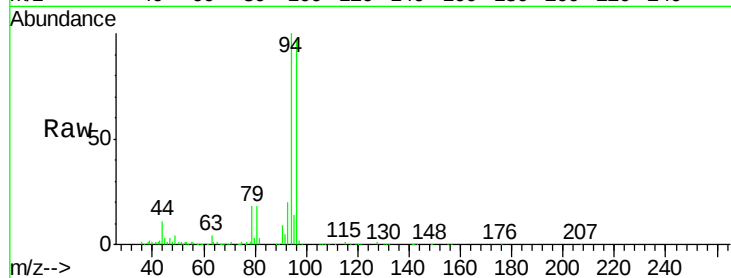
96 96.6 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

20000

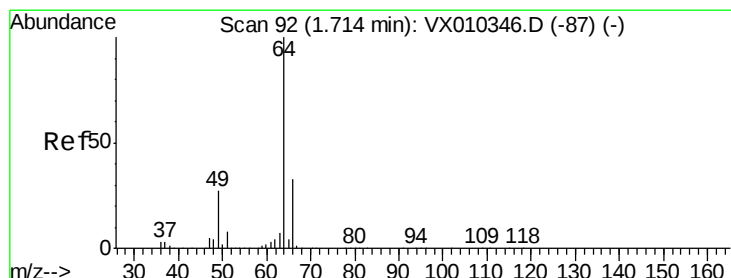
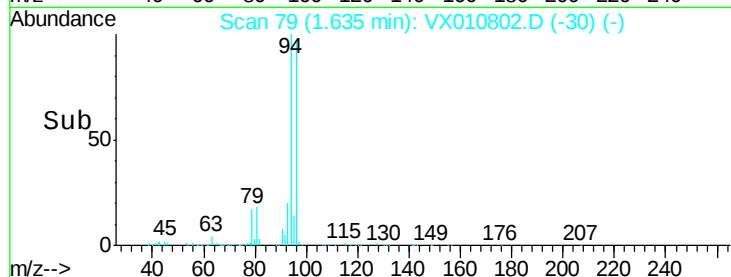
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 23.369 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010802.D

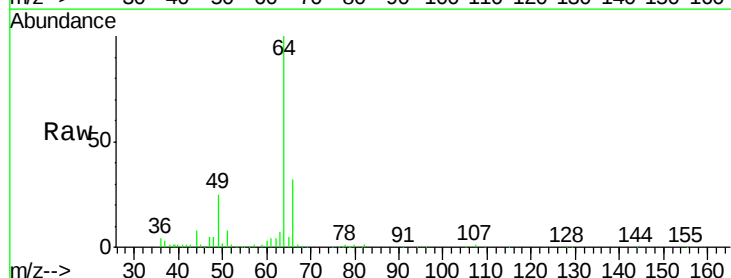
Acq: 11 Jul 2019 13:16

Tgt Ion: 64 Resp: 28395

Ion Ratio Lower Upper

64 100

66 32.4 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

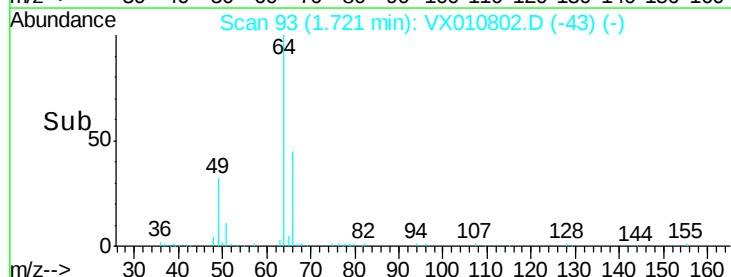
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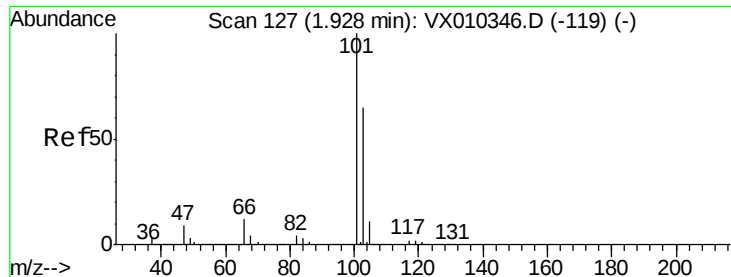
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5000

0

Time-->





#7

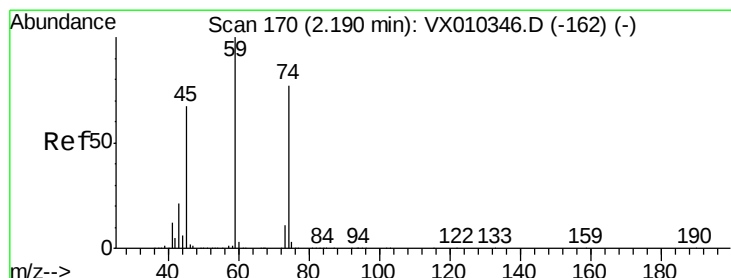
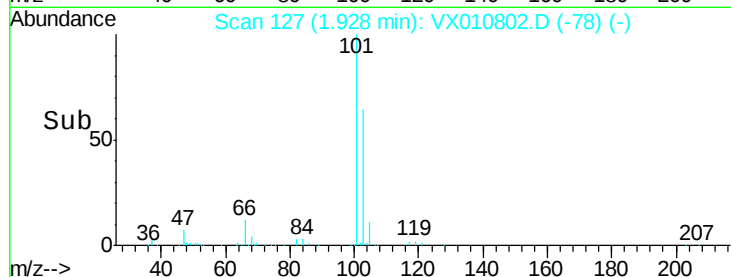
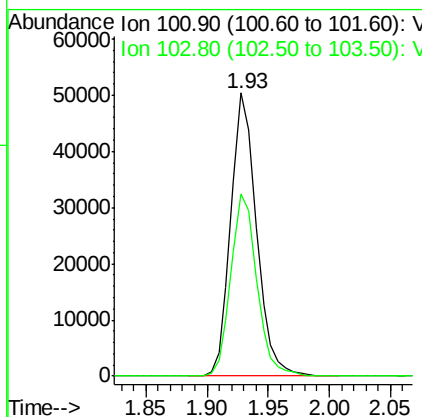
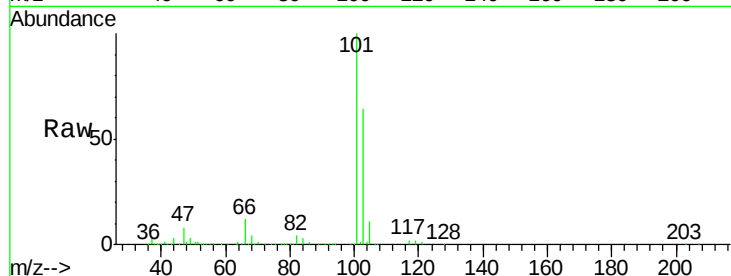
Trichlorofluoromethane
Concen: 22.487 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.3	78.5

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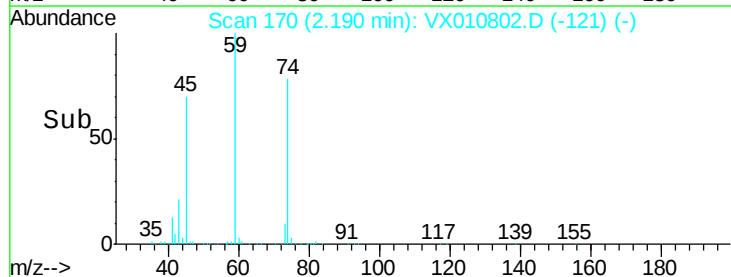
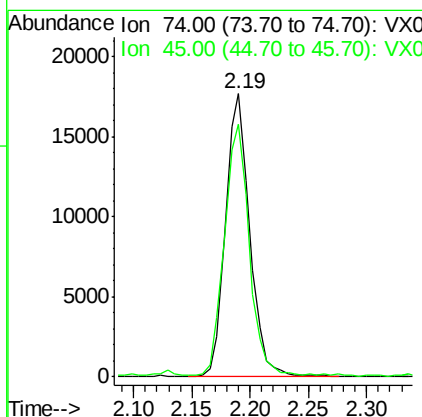
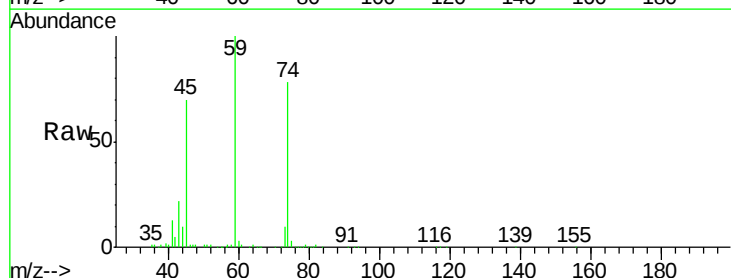
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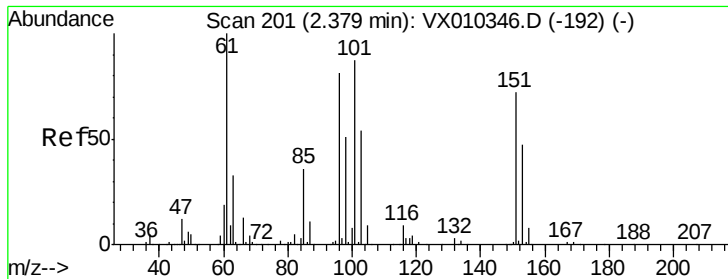


#8

Diethyl Ether
Concen: 21.797 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.4	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.152 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

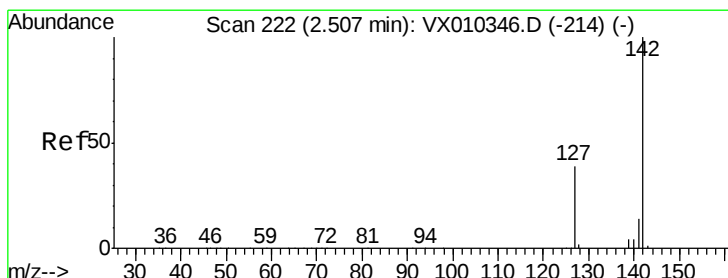
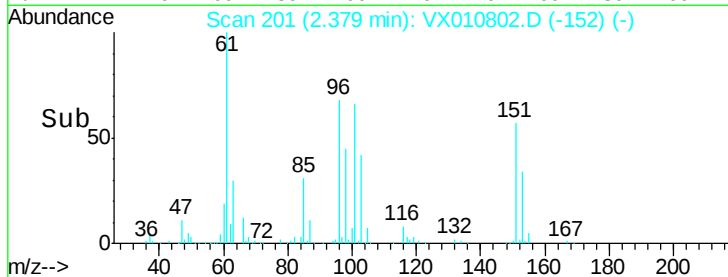
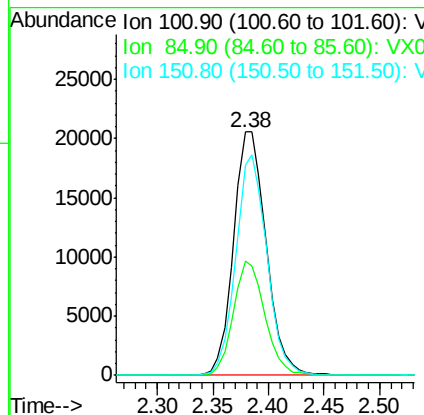
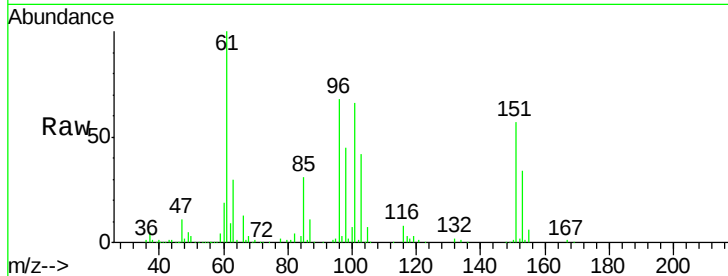
ClientSampleId :

VX0711WBS02

Tot Ion:	101	Resp:	41849
Ion Ratio	Lower	Upper	
101	100		
85	45.1	33.7	50.5
151	86.1	70.1	105.1

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#10

Methyl Iodide

Concen: 19.004 ug/l

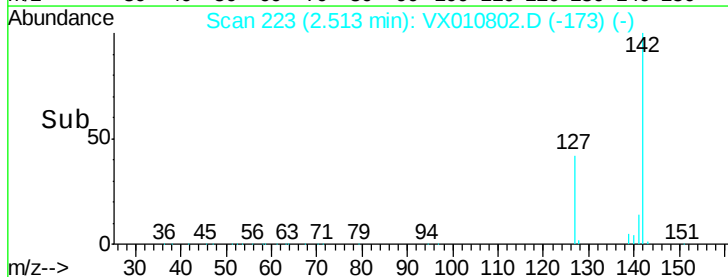
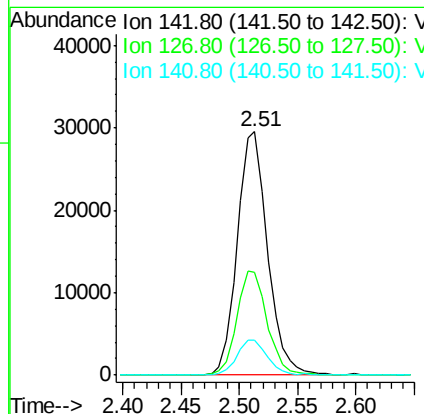
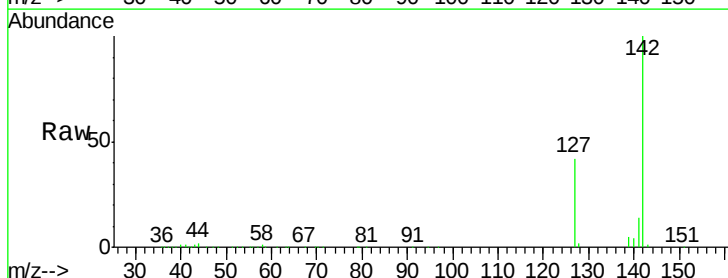
RT: 2.51 min Scan# 223

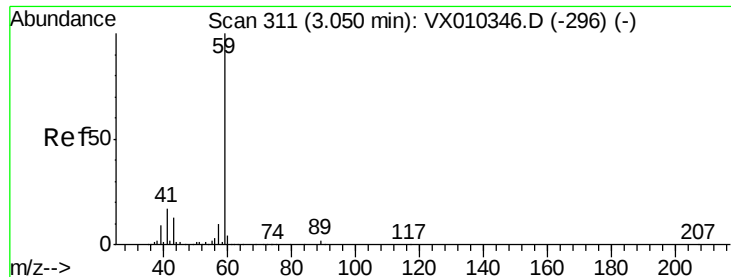
Delta R.T. 0.01 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Tgt Ion:	142	Resp:	53659
Ion Ratio	Lower	Upper	
142	100		
127	42.9	31.1	46.7
141	14.4	11.2	16.8





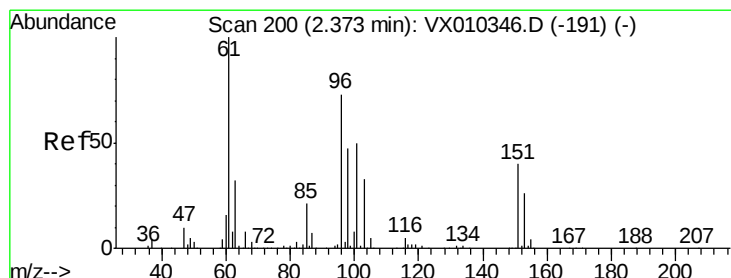
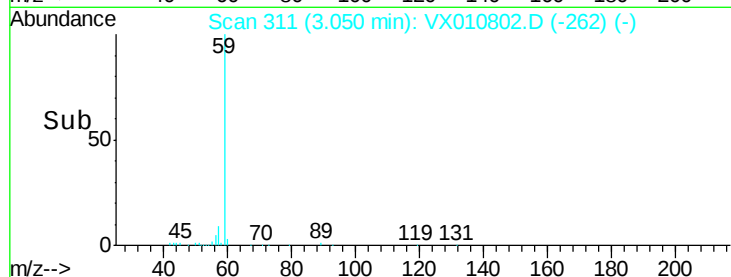
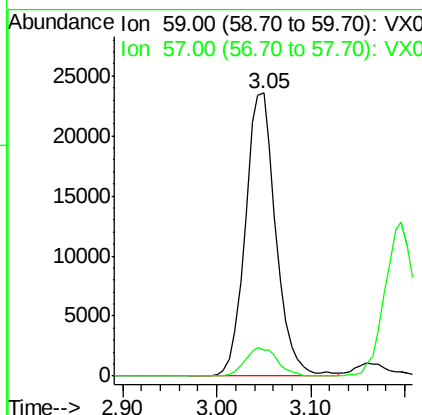
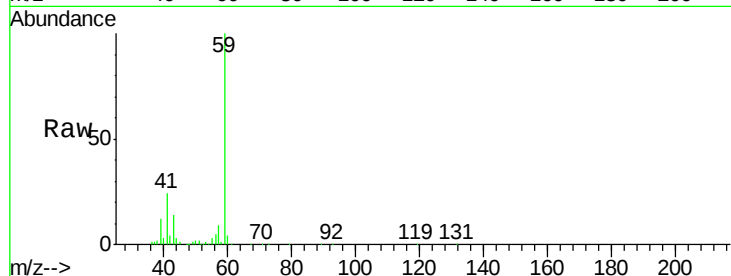
#11
Tert butyl alcohol
Concen: 94.042 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleID :
VX0711WBS02

Tot Ion: 59 Resp: 53590
Ion Ratio Lower Upper
59 100
57 10.8 7.7 11.5

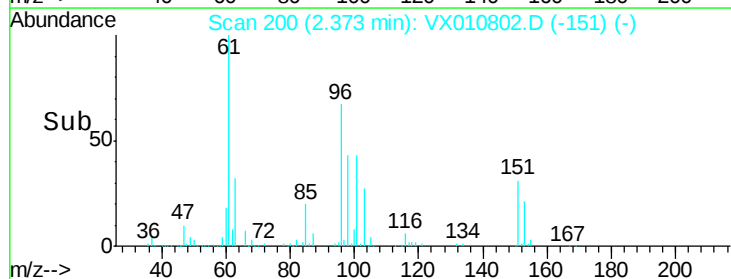
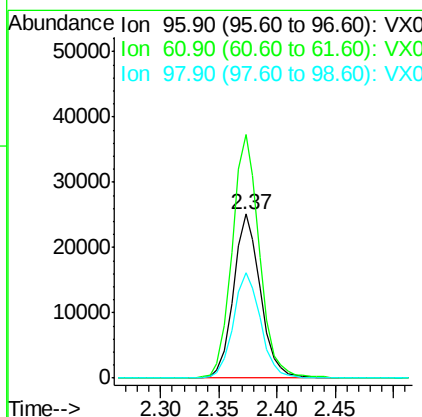
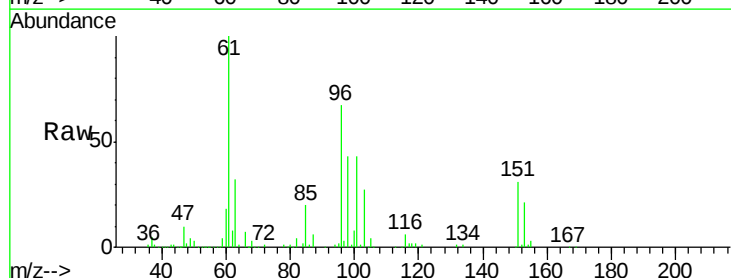
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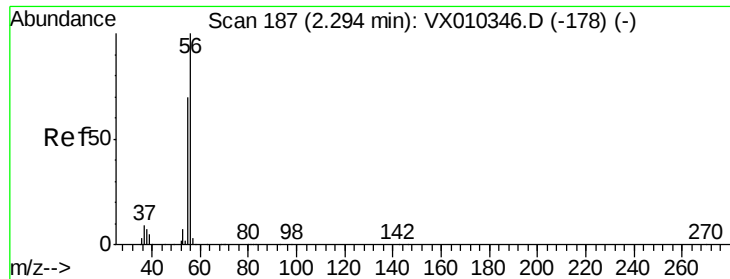
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.105 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion: 96 Resp: 40477
Ion Ratio Lower Upper
96 100
61 148.8 109.2 163.8
98 64.2 51.1 76.7





#13

Acrolein

Concen: 70.668 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion: 56 Resp: 26714

Ion Ratio Lower Upper

56 100

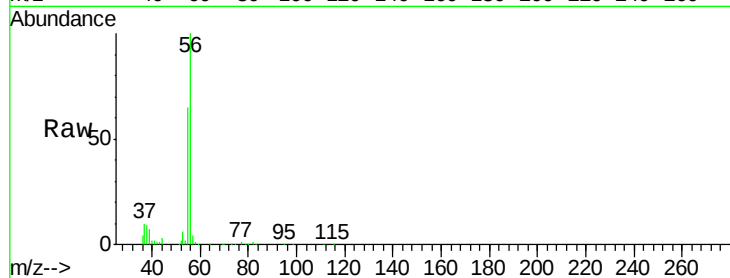
55 72.5 56.9 85.3

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

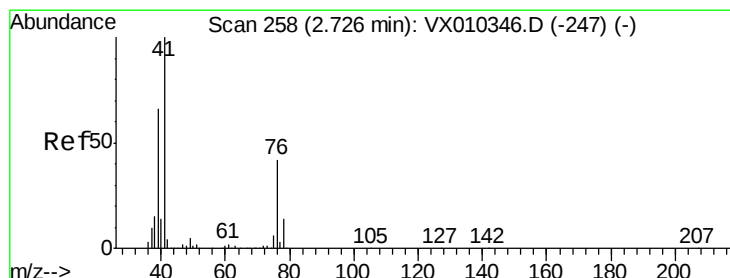
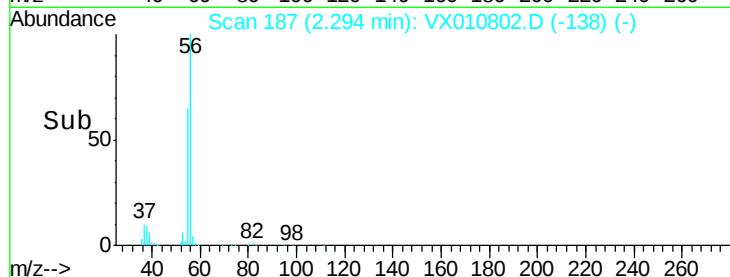
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 20.777 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

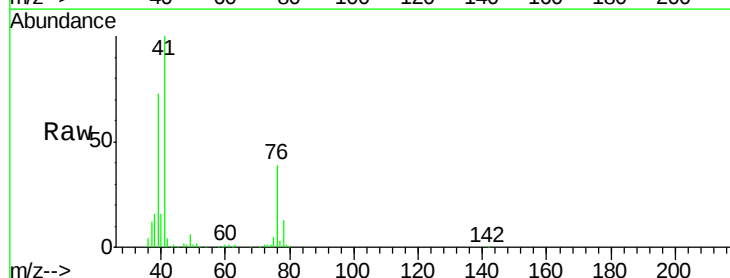
Tgt Ion: 41 Resp: 59385

Ion Ratio Lower Upper

41 100

39 67.8 50.3 75.5

76 36.6 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

40000

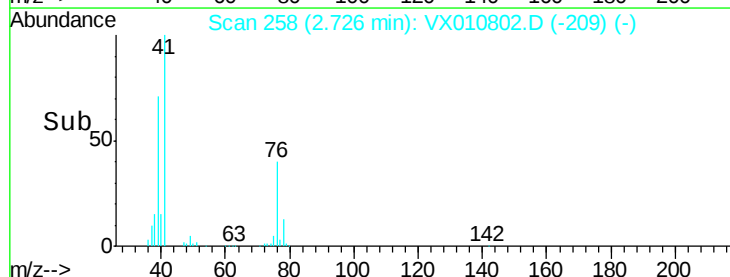
30000

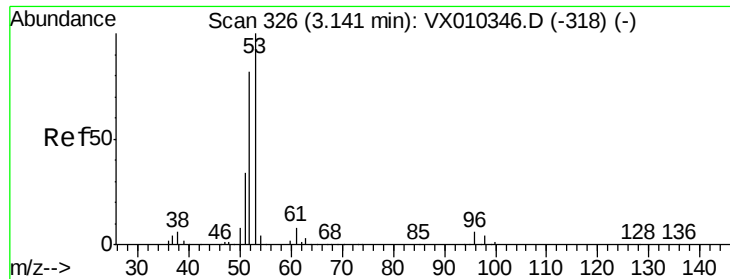
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 106.181 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

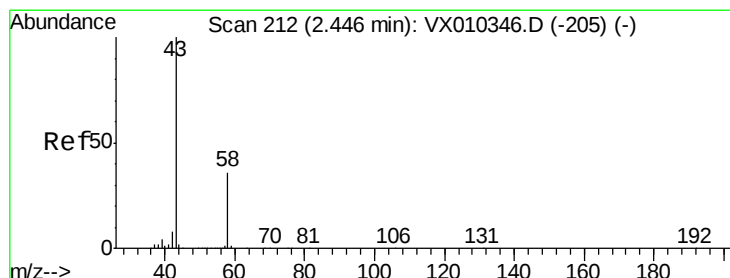
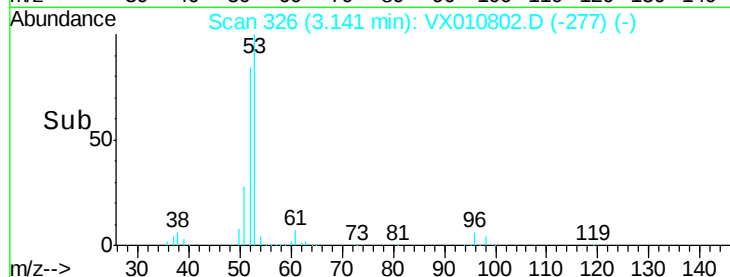
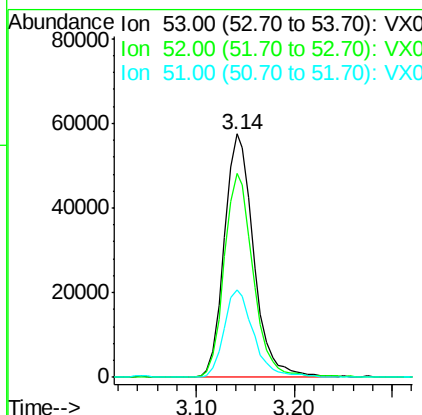
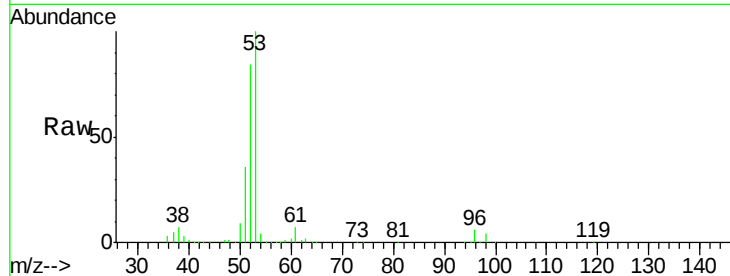
ClientSampleId :

VX0711WBS02

Tot Ion:	53	Resp:	119797
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.5	98.3
51	36.6	28.2	42.4

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#16

Acetone

Concen: 107.640 ug/l

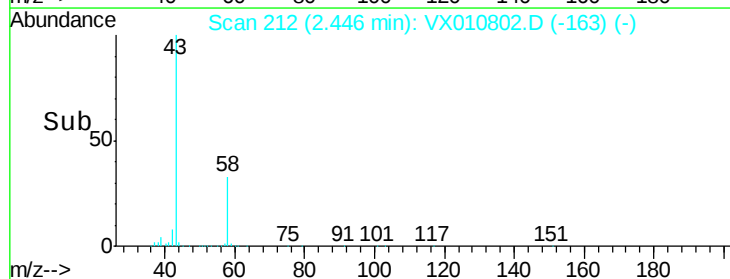
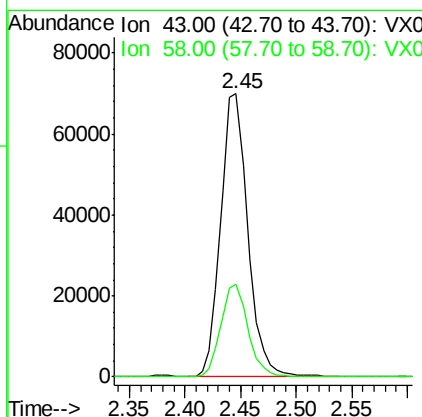
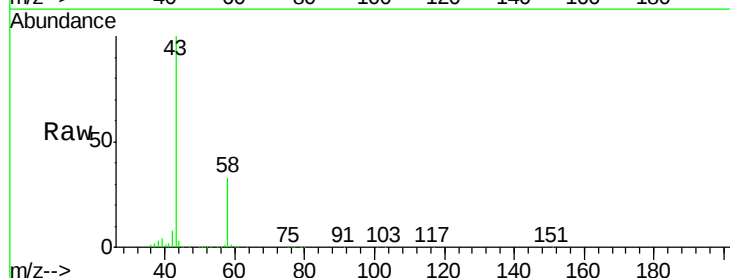
RT: 2.45 min Scan# 212

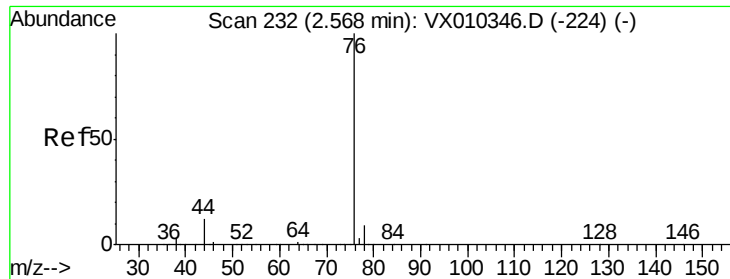
Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Tgt Ion:	43	Resp:	117481
Ion	Ratio	Lower	Upper
43	100		
58	32.9	28.9	43.3





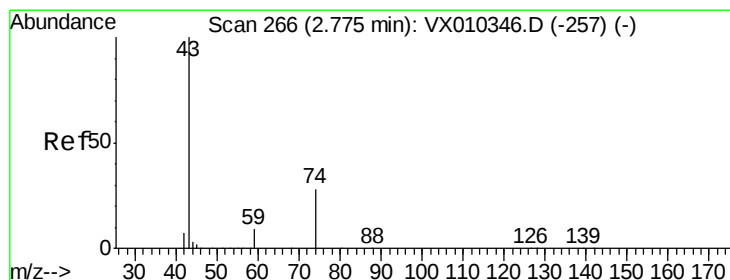
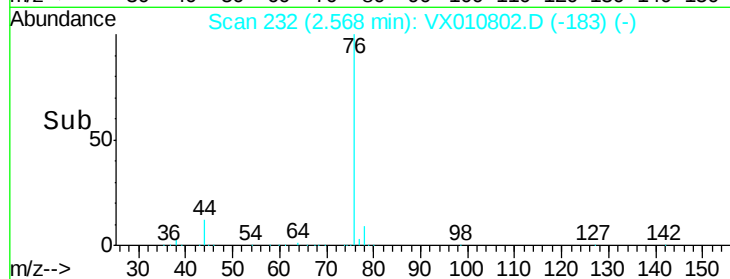
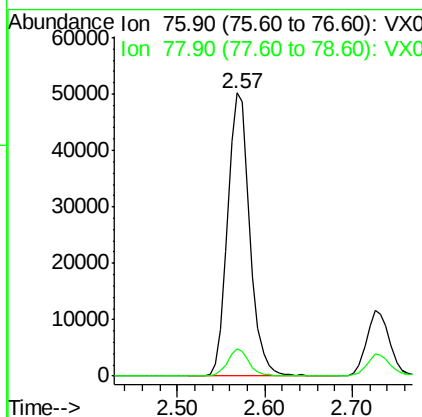
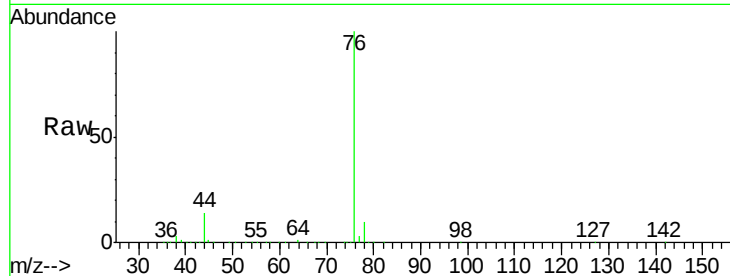
#17
Carbon Disulfide
Concen: 16.404 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

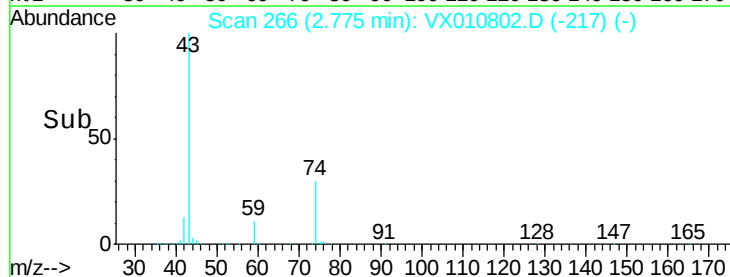
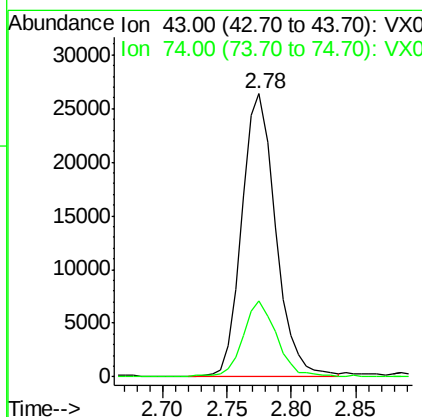
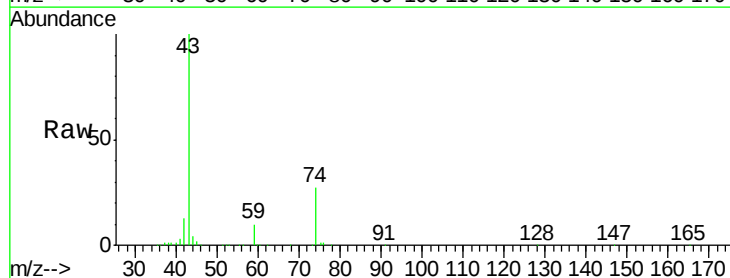
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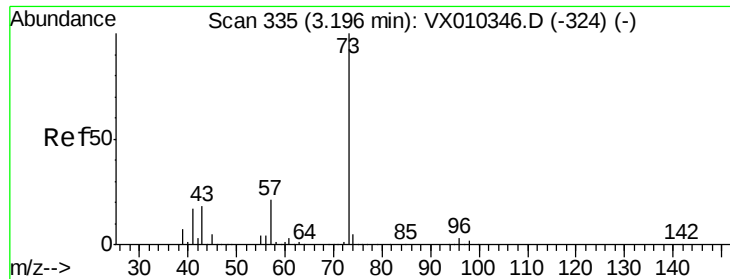
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#18
Methyl Acetate
Concen: 22.116 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.3	31.9





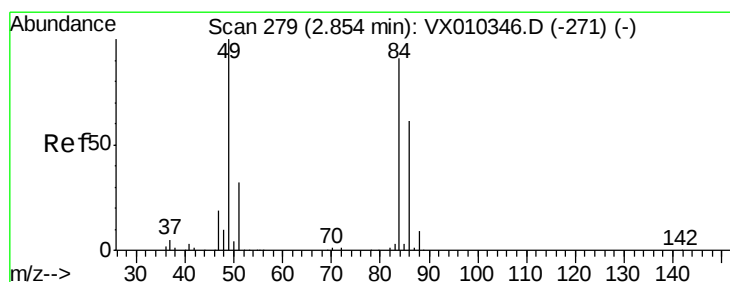
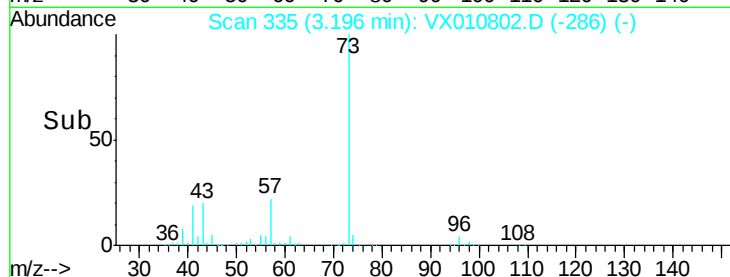
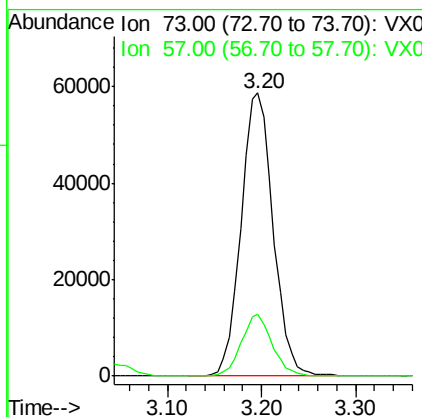
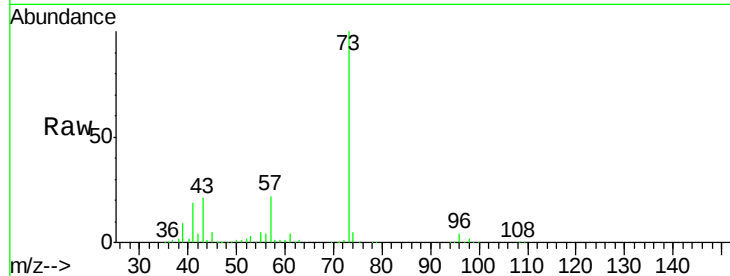
#19
Methyl tert-butyl Ether
Concen: 22.052 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion: 73 Resp: 139666
Ion Ratio Lower Upper
73 100
57 21.9 16.4 24.6

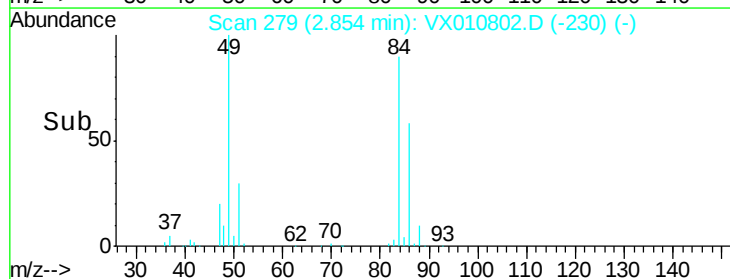
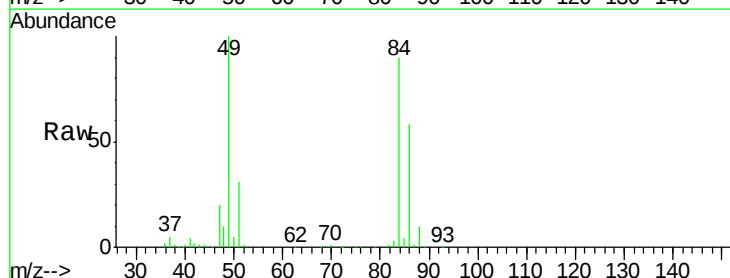
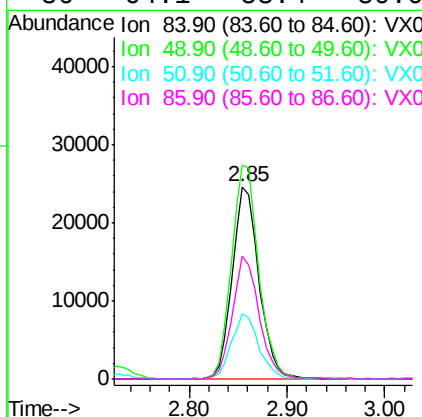
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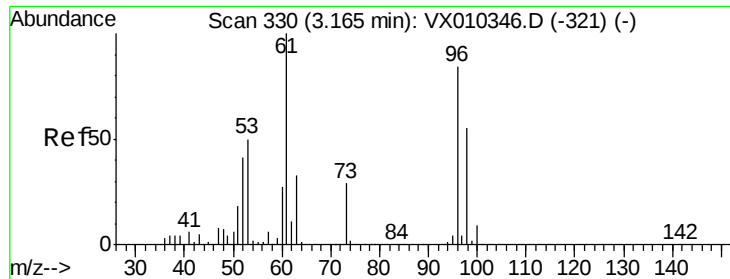
MMDadoda
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#20
Methylene Chloride
Concen: 20.883 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion: 84 Resp: 46905
Ion Ratio Lower Upper
84 100
49 110.8 87.5 131.3
51 34.2 27.7 41.5
86 64.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 19.829 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

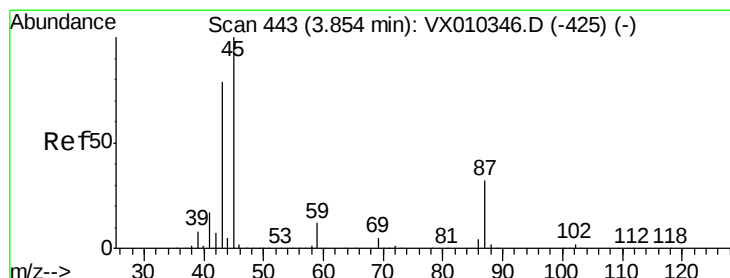
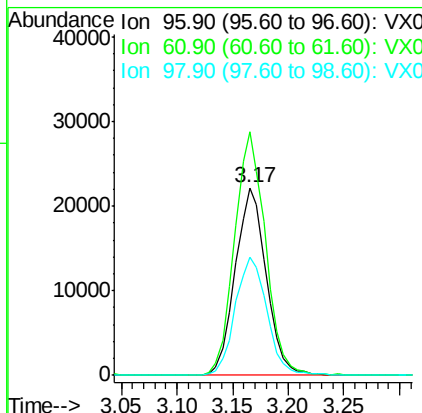
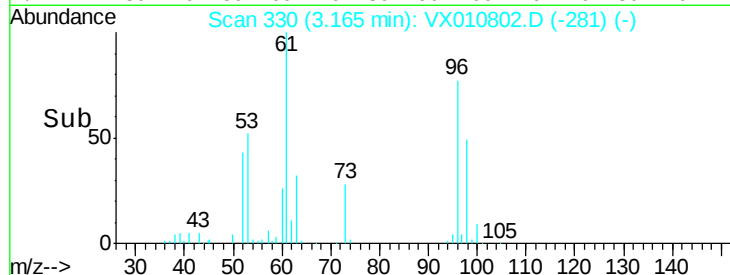
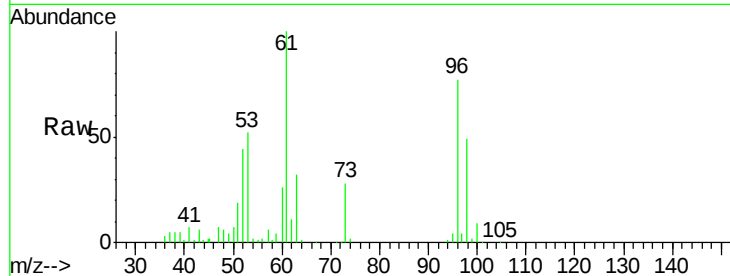
ClientSampleId :

VX0711WBS02

Tot Ion:	96	Resp:	42935
Ion	Ratio	Lower	Upper
96	100		
61	129.7	95.6	143.4
98	62.9	52.5	78.7

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#22

Diisopropyl ether

Concen: 21.585 ug/l

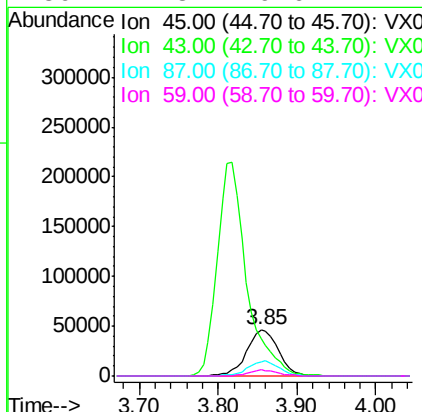
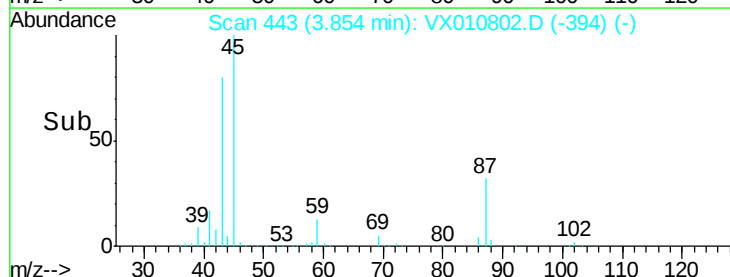
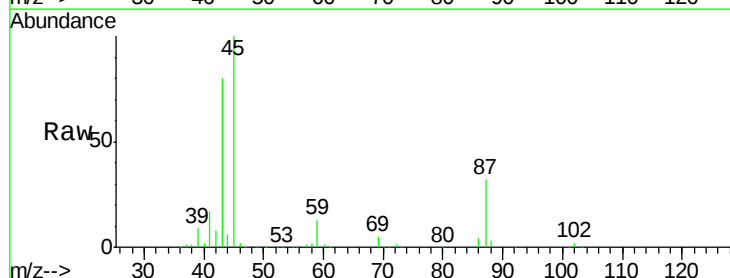
RT: 3.85 min Scan# 443

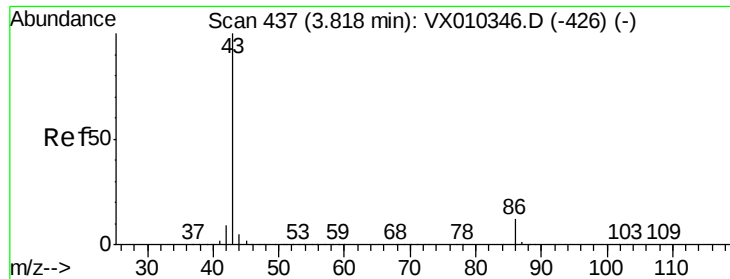
Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Tgt Ion:	45	Resp:	128991
Ion	Ratio	Lower	Upper
45	100		
43	80.1	63.3	94.9
87	31.8	25.8	38.8
59	12.8	9.6	14.4





#23

Vinyl Acetate

Concen: 108.408 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion: 43 Resp: 559666

Ion Ratio Lower Upper

43 100

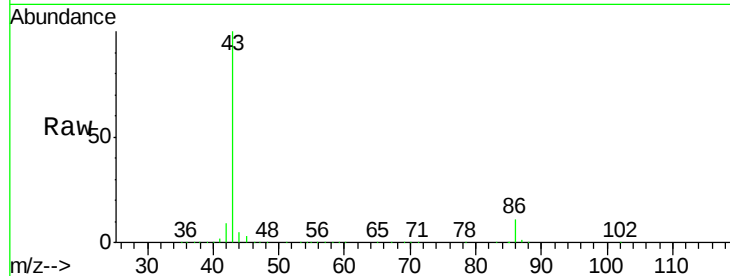
86 11.4 9.9 14.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

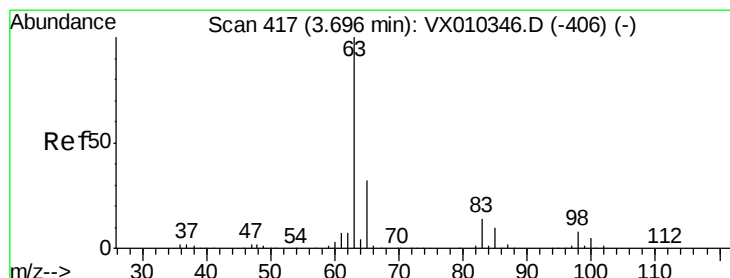
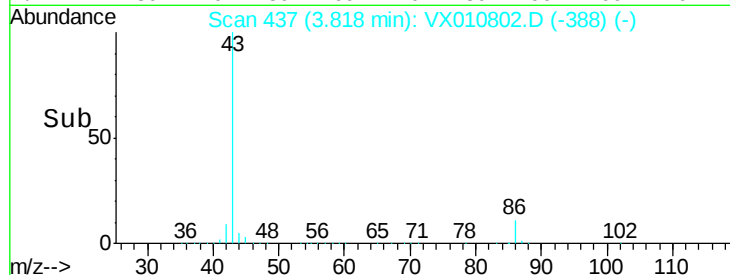
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.345 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

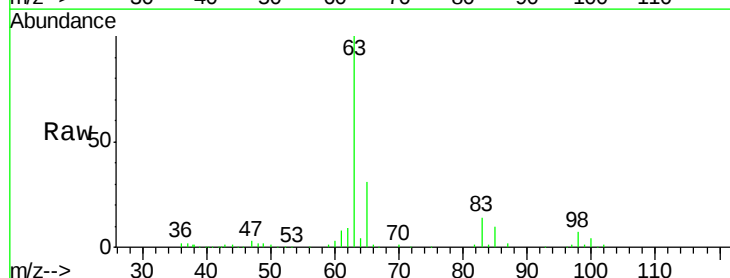
Tgt Ion: 63 Resp: 73734

Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.7

100 4.4 2.4 7.1



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

40000

30000

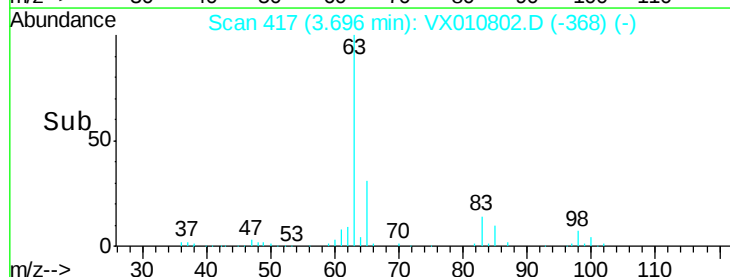
20000

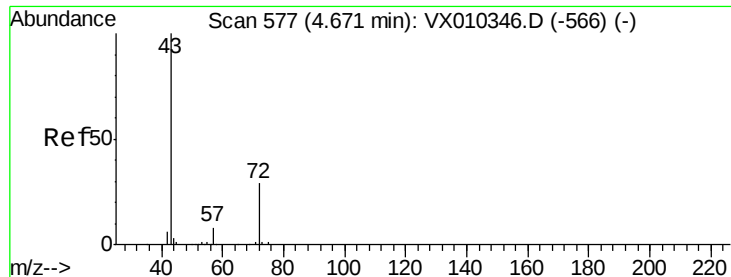
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 106.001 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion: 43 Resp: 169706

Ion Ratio Lower Upper

43 100

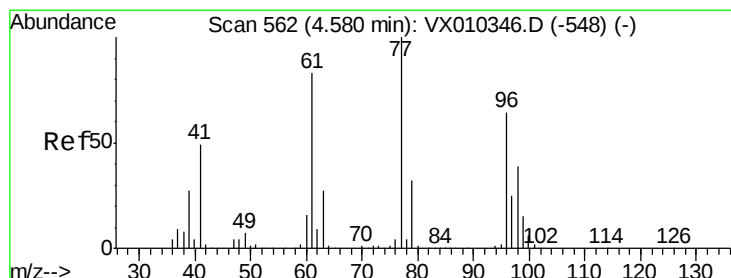
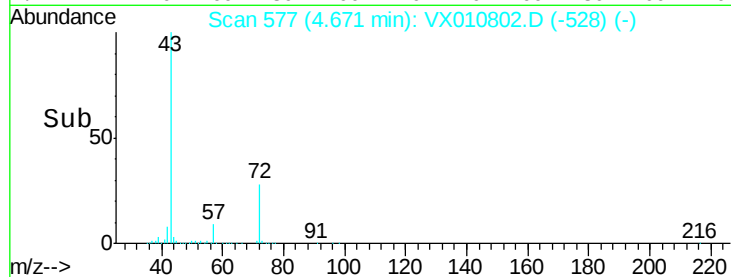
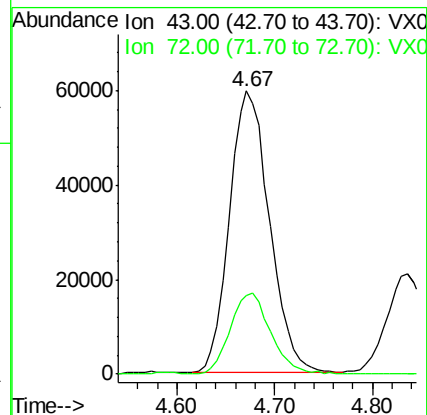
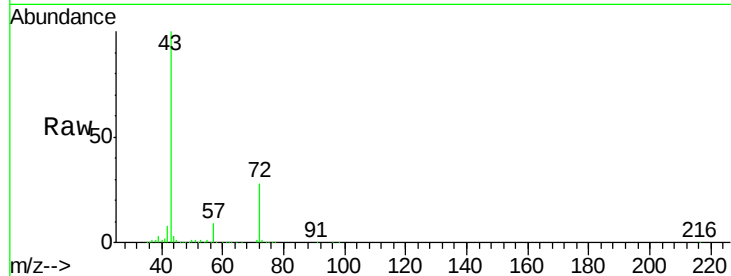
72 27.5 23.3 34.9

Manual Integrations

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7/12/2019 12:21:53 PM



#26

2,2-Dichloropropane

Concen: 20.252 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010802.D

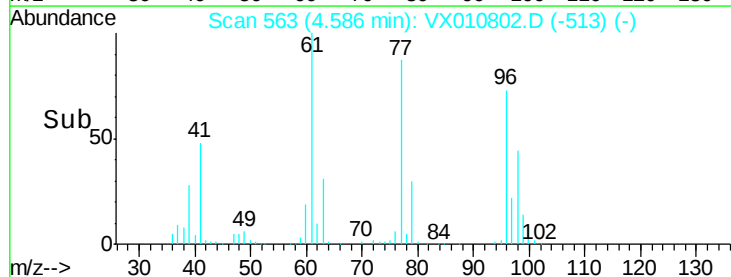
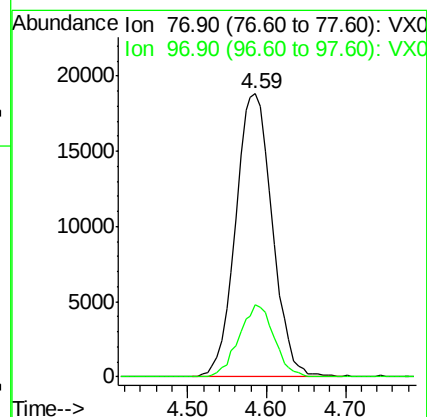
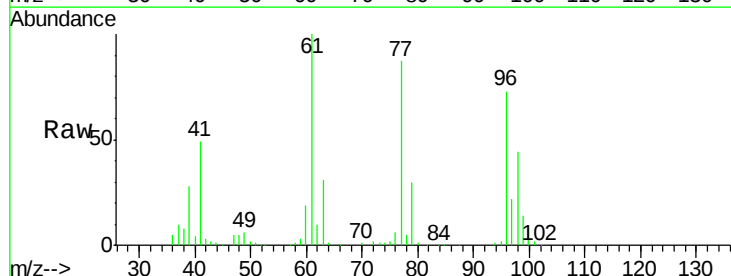
Acq: 11 Jul 2019 13:16

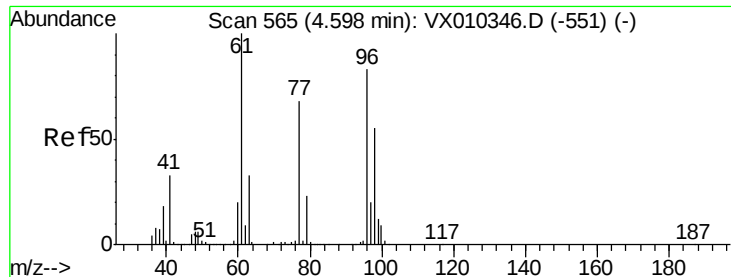
Tgt Ion: 77 Resp: 60772

Ion Ratio Lower Upper

77 100

97 24.4 13.1 39.3





#27

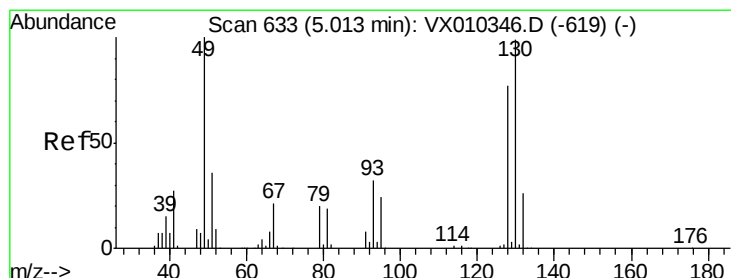
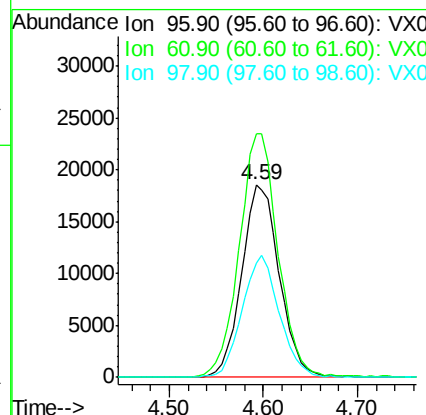
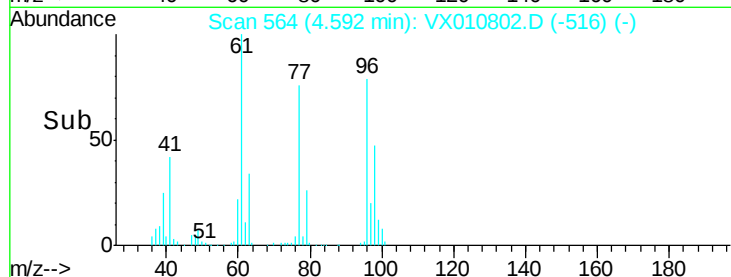
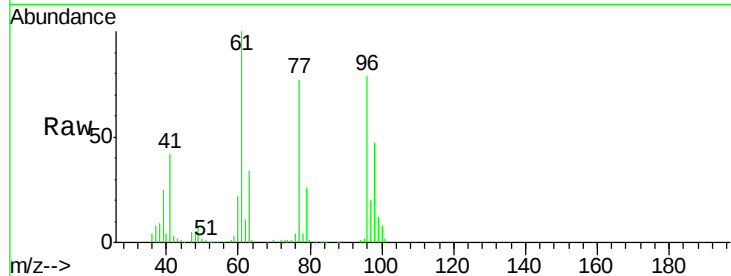
cis-1,2-Dichloroethene
 Concen: 20.704 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	251.8
98	62.7	0.0	129.4

Manual Integrations
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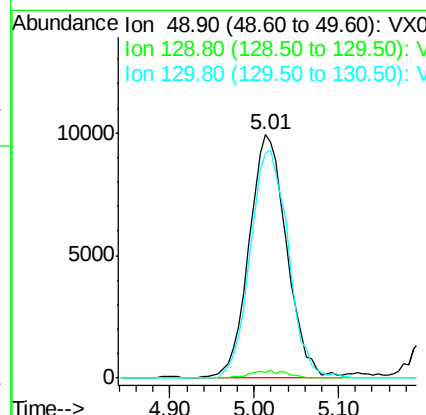
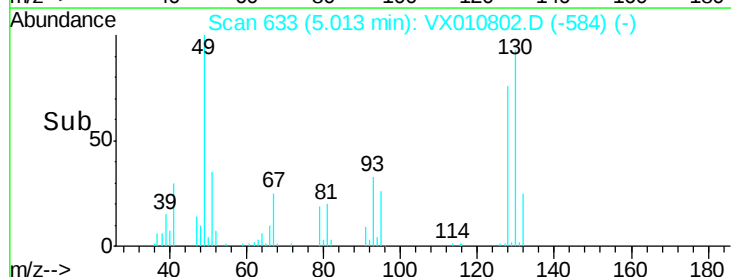
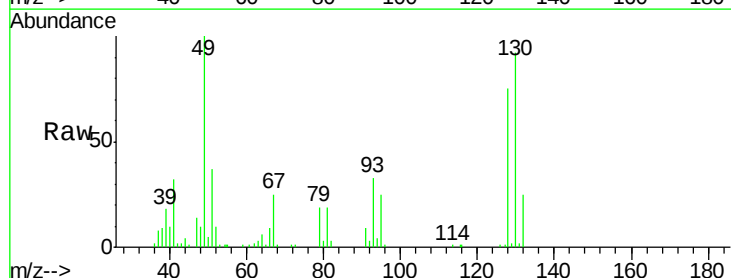
MMDadoda
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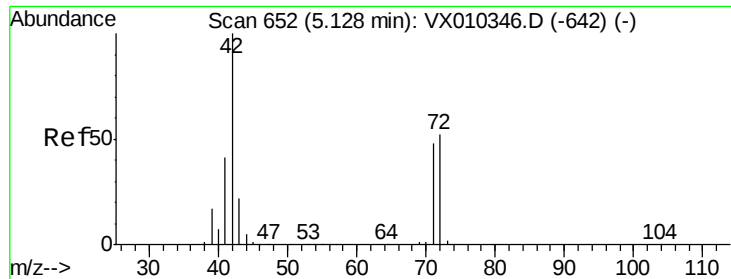


#28

Bromochloromethane
 Concen: 18.295 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.6
130	94.5	81.4	122.0





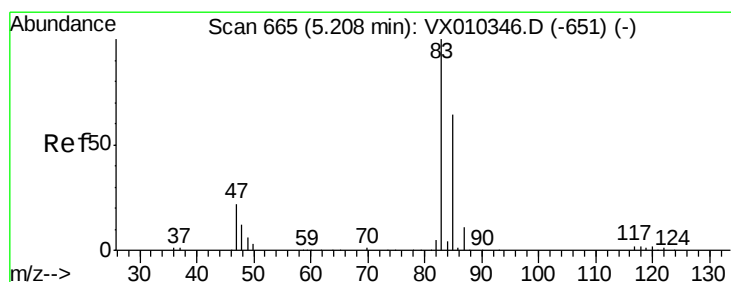
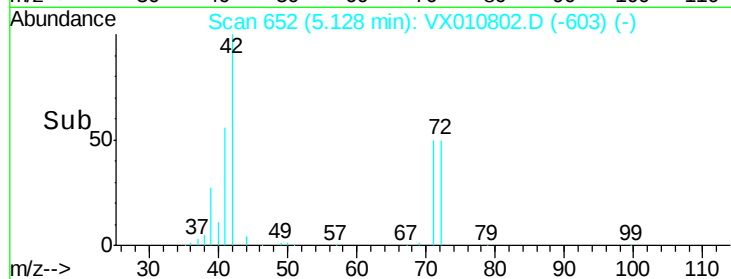
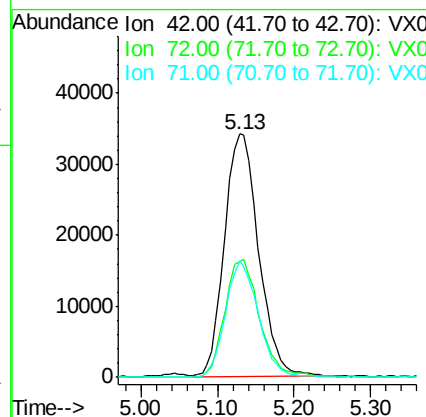
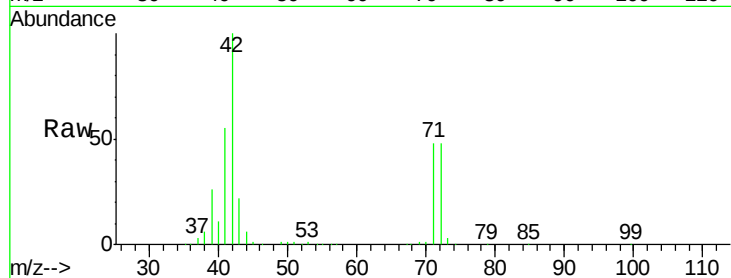
#29
Tetrahydrofuran
Concen: 106.377 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	40.6	60.8
71	46.5	37.8	56.8

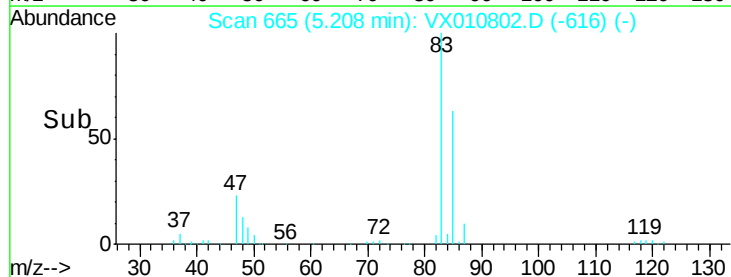
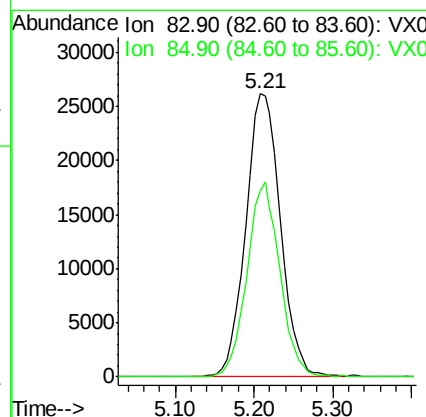
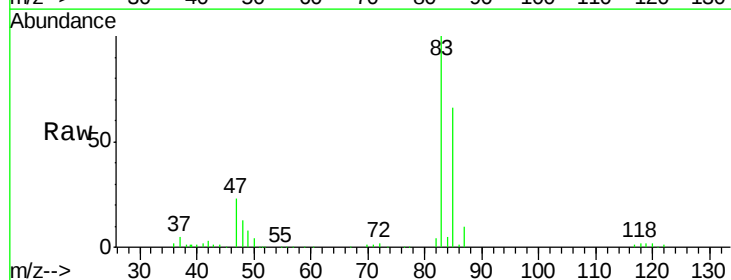
Manual Integrations
APPROVED

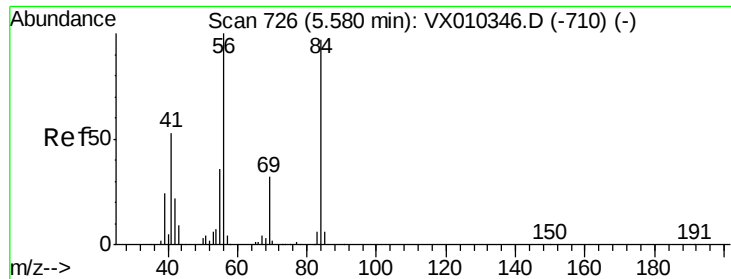
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#30
Chloroform
Concen: 21.553 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3





#31

Cyclohexane

Concen: 20.918 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

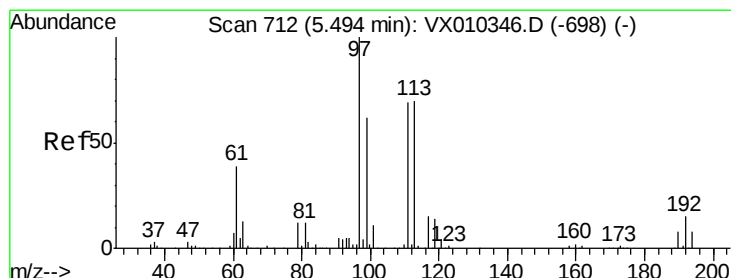
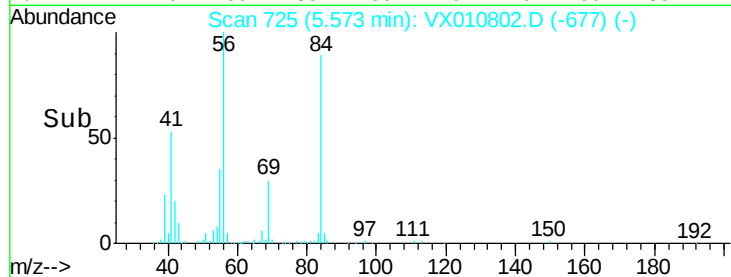
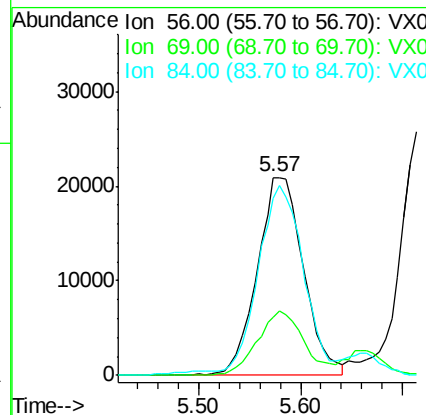
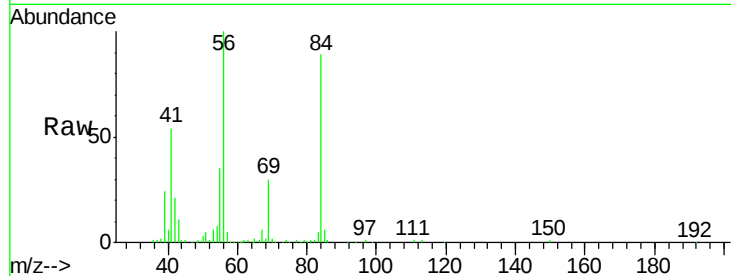
ClientSampleId :

VX0711WBS02

Tot Ion:	56	Resp:	65801
Ion	Ratio	Lower	Upper
56	100		
69	29.5	25.9	38.9
84	87.1	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.666 ug/l

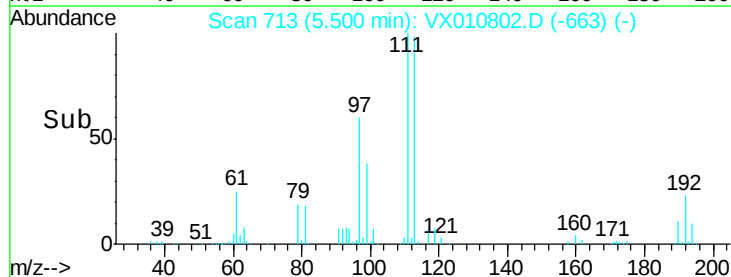
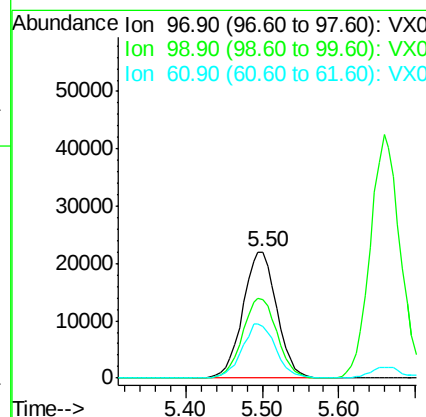
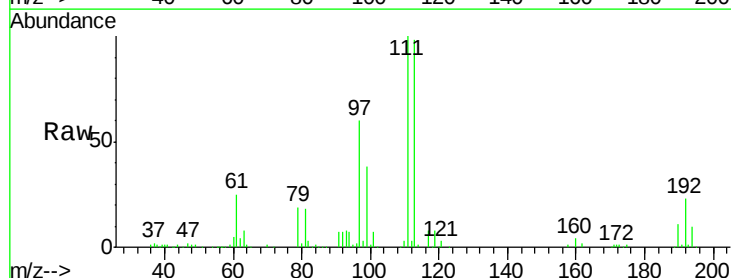
RT: 5.50 min Scan# 713

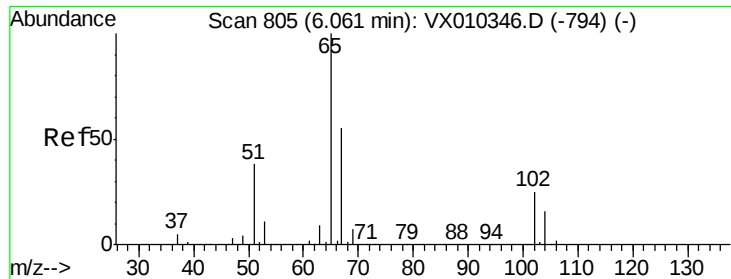
Delta R.T. 0.01 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Tgt Ion:	97	Resp:	67823
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.8
61	41.7	32.1	48.1





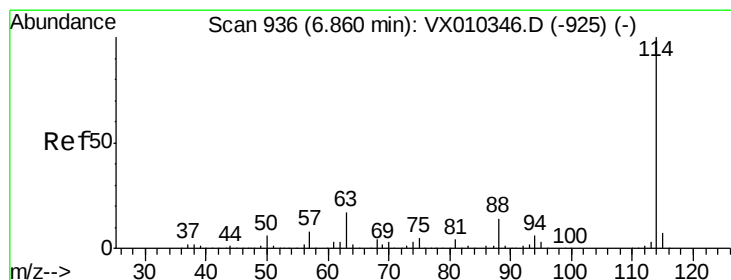
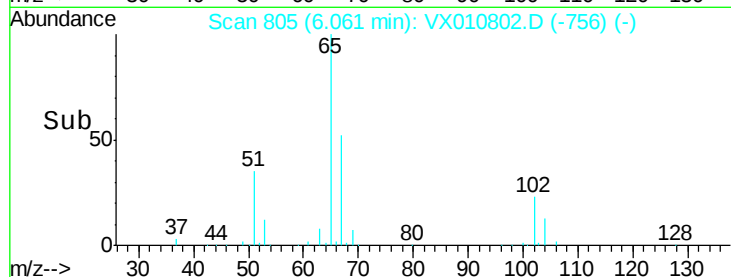
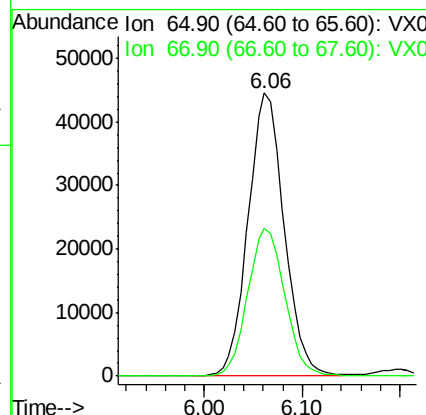
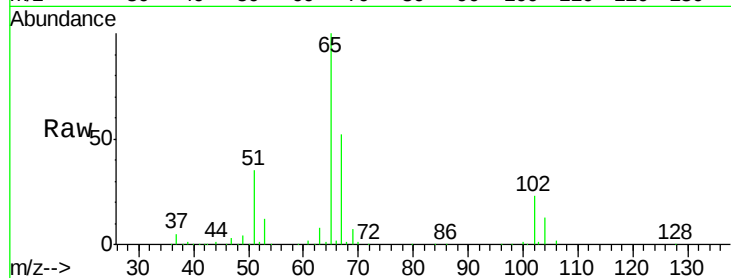
#33
 1,2-Dichloroethane-d4
 Concen: 52.422 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0711WBS02

Tot Ion: 65 Resp: 114162
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 110.2

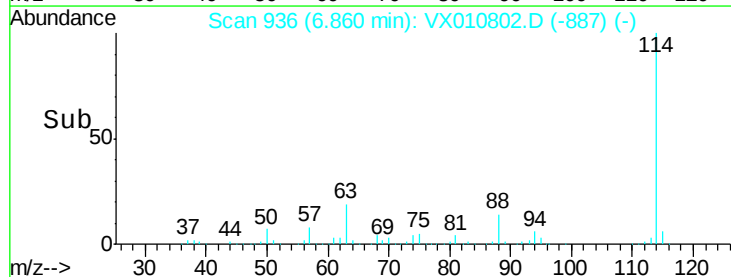
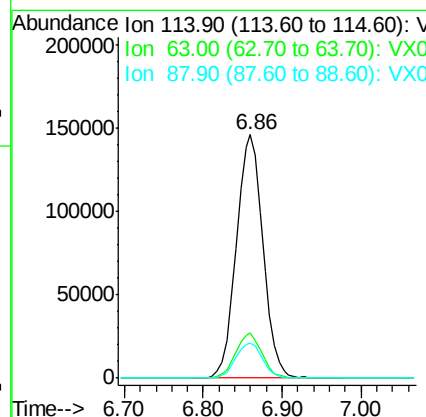
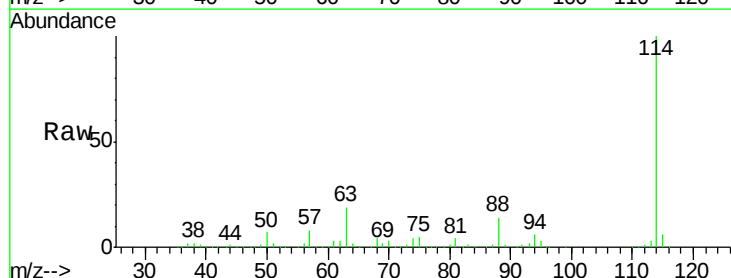
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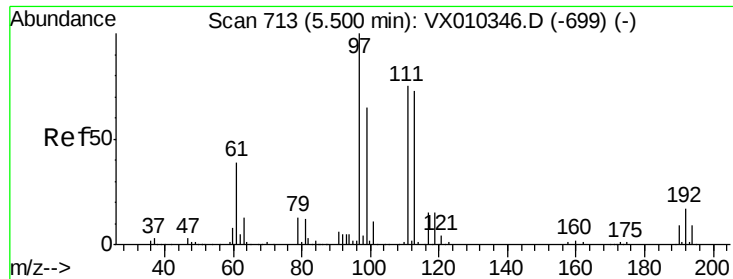
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Tgt Ion: 114 Resp: 341252
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 33.8
 88 14.4 0.0 27.6





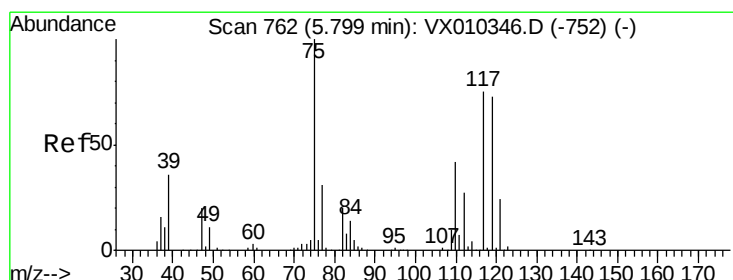
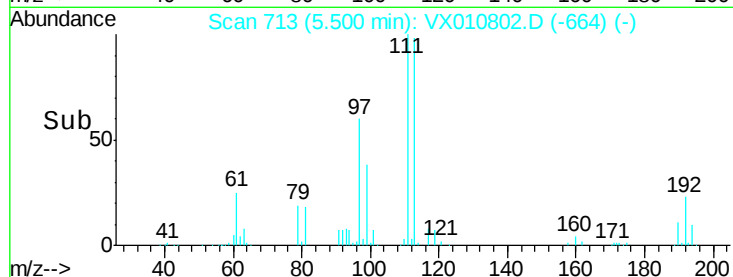
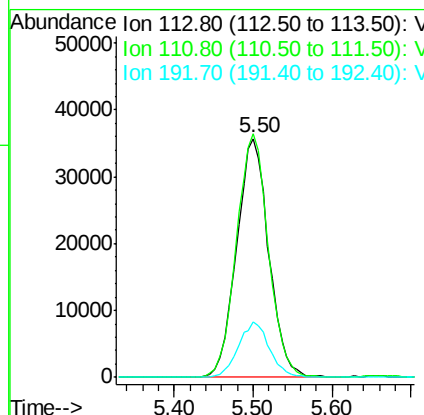
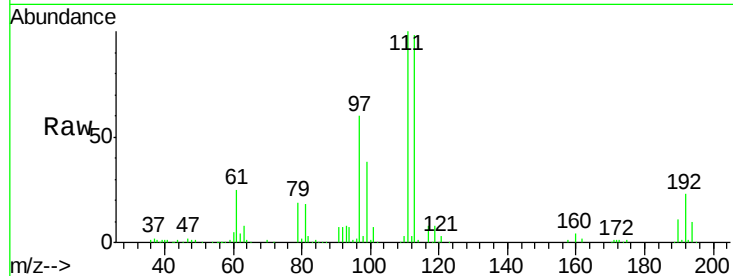
#35
Dibromofluoromethane
Concen: 48.367 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100985		
111	101.6	81.2	121.8	
192	22.4	18.6	27.8	

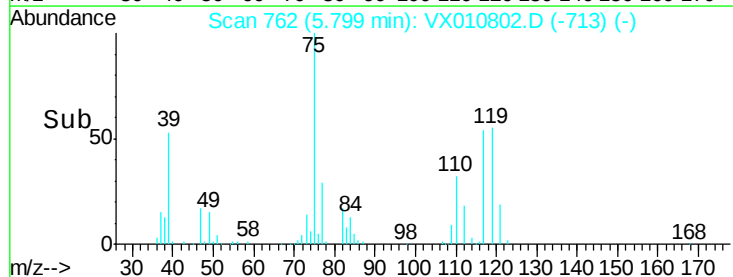
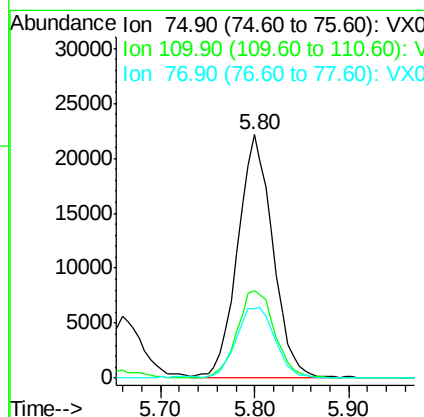
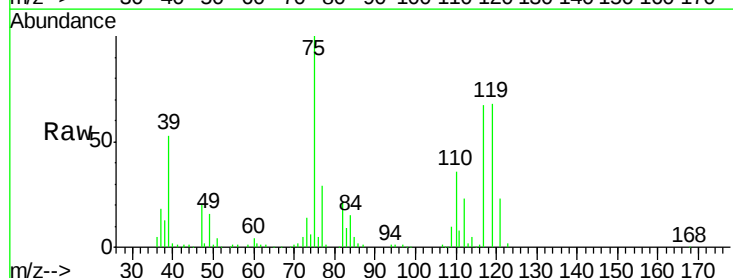
Manual Integrations
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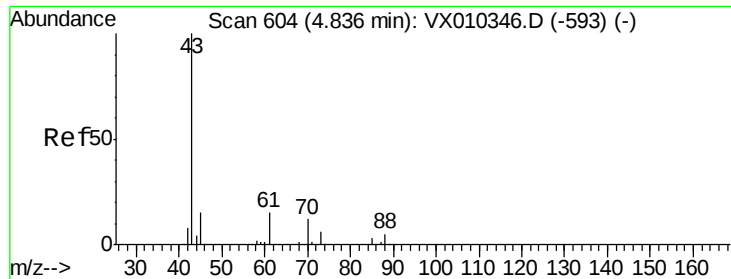
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#36
1,1-Dichloropropene
Concen: 21.039 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57053		
110	39.1	20.8	62.2	
77	32.4	25.4	38.0	





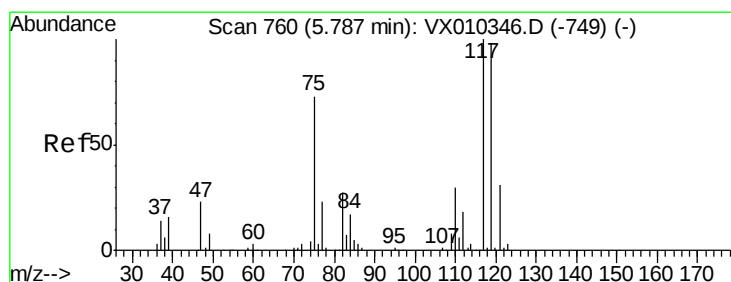
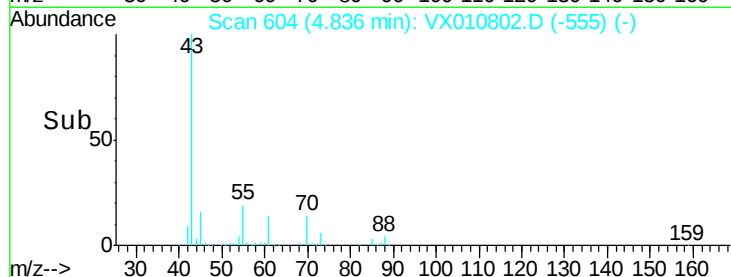
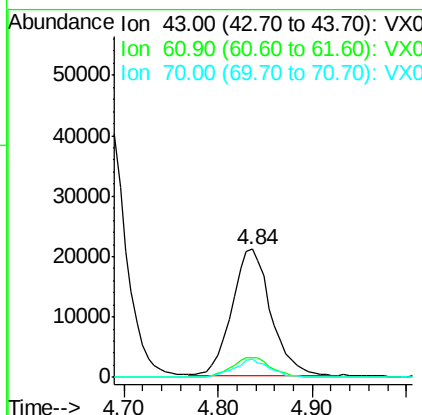
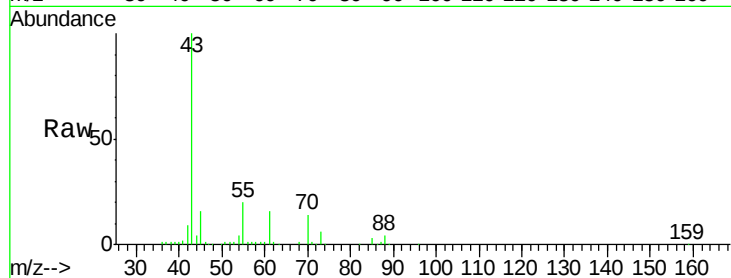
#37
Ethyl Acetate
Concen: 21.591 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleID :
VX0711WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.4	18.6
70	13.2	9.8	14.8

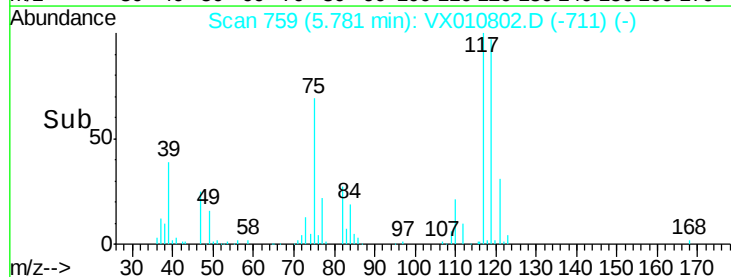
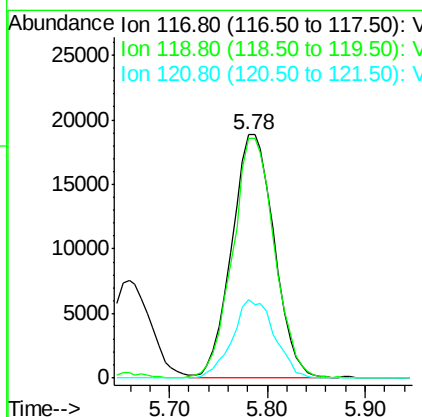
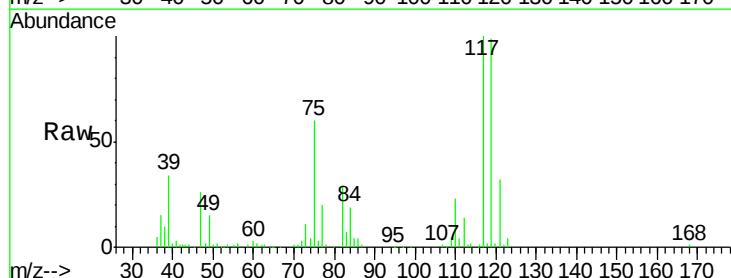
Manual Integrations
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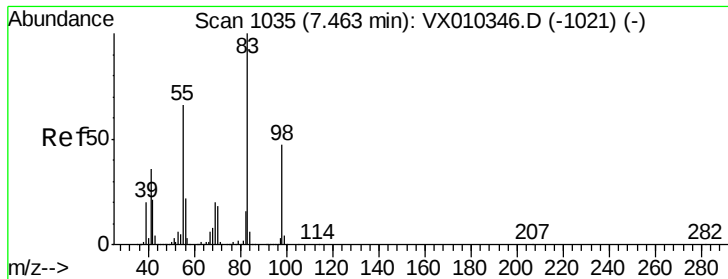
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#38
Carbon Tetrachloride
Concen: 19.372 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.2	117.4
121	32.2	24.7	37.1





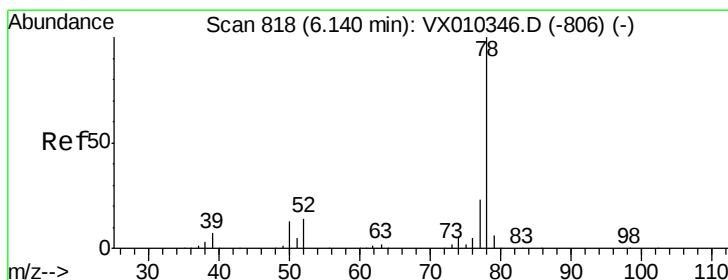
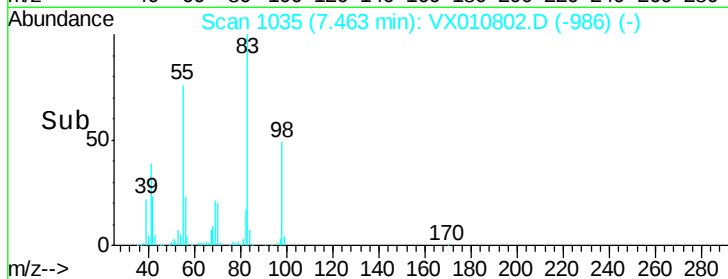
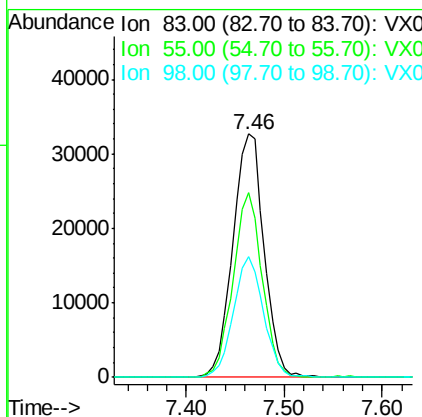
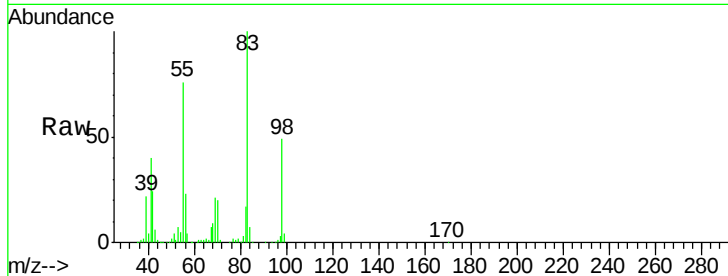
#39
Methvlcvclohexane
Concen: 20.339 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion	83	Resp	72499
Ion Ratio	Lower	Upper	
83	100		
55	75.7	53.0	79.6
98	49.4	37.8	56.8

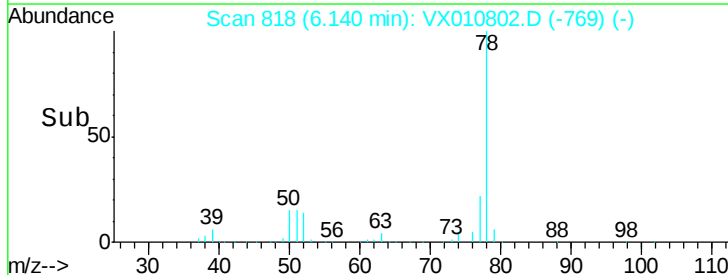
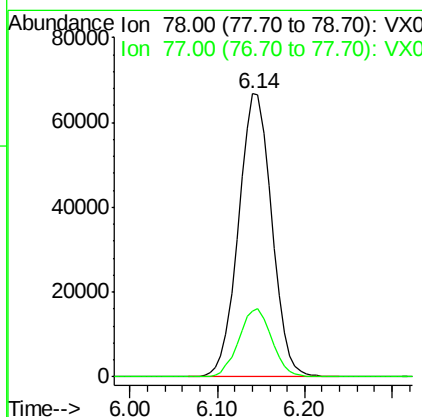
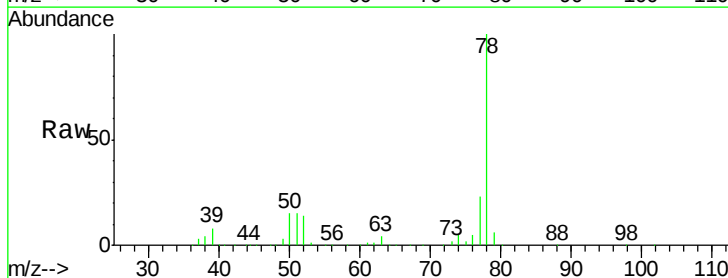
Manual Integrations
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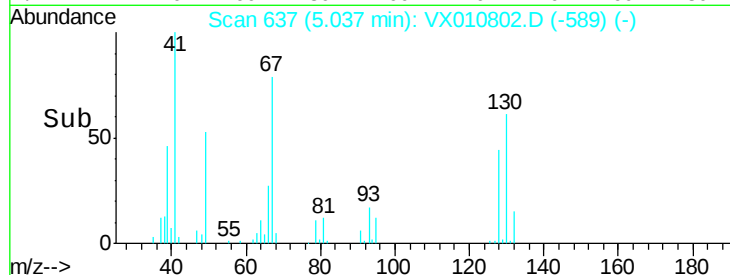
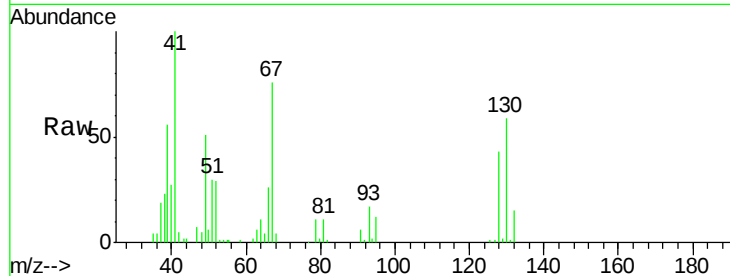
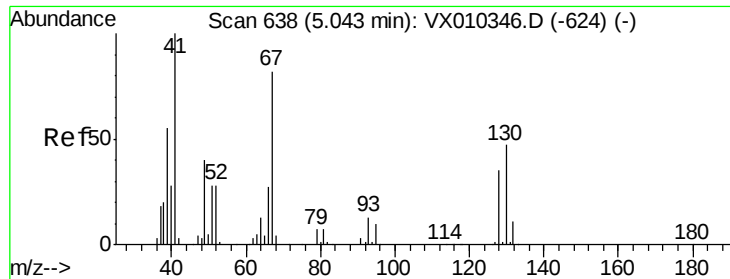
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#40
Benzene
Concen: 20.906 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	78	Resp	176623
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.6	28.0





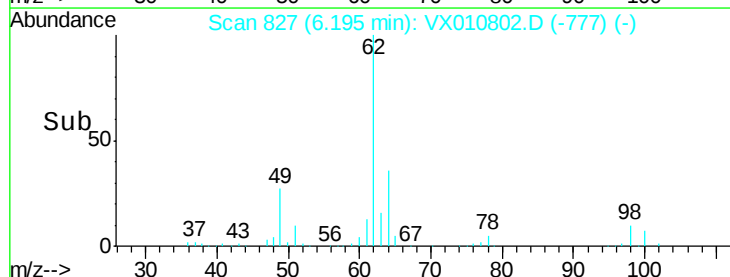
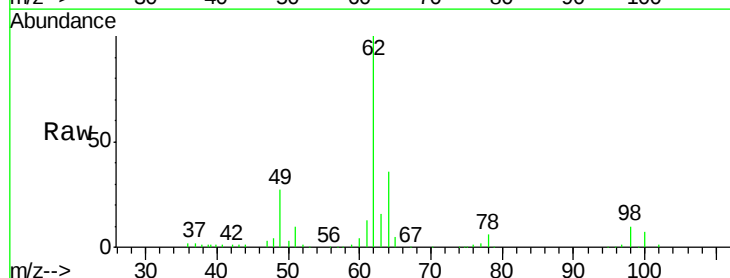
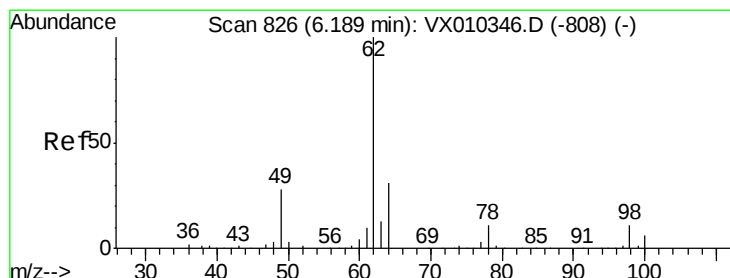
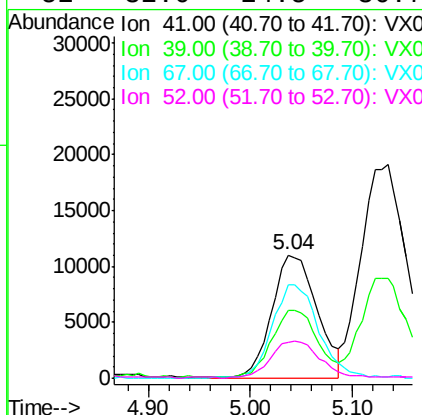
#41
Methacrylonitrile
Concen: 21.995 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		33668		
39	55.1	43.8	65.8		
67	79.1	66.6	100.0		
52	32.0	24.5	36.7		

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

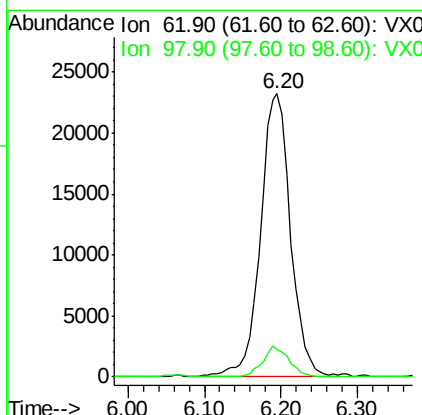
Manual Integrations
APPROVED

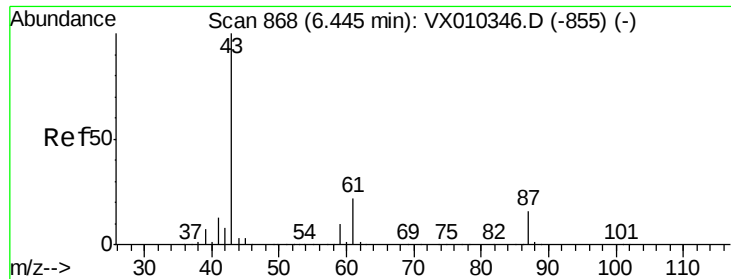
MMDadoda
7/12/2019 12:21:53 PM



#42
1,2-Dichloroethane
Concen: 24.725 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		63586		
98	9.6	0.0	22.2		





#43

Isopropyl Acetate

Concen: 21.100 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

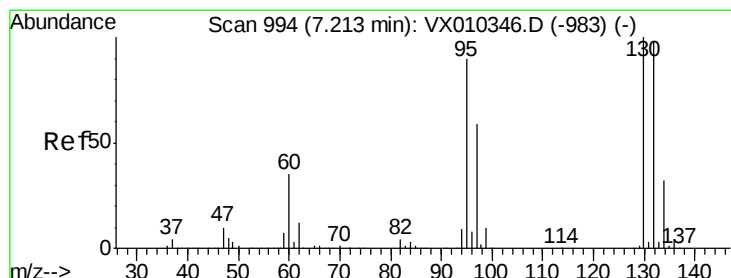
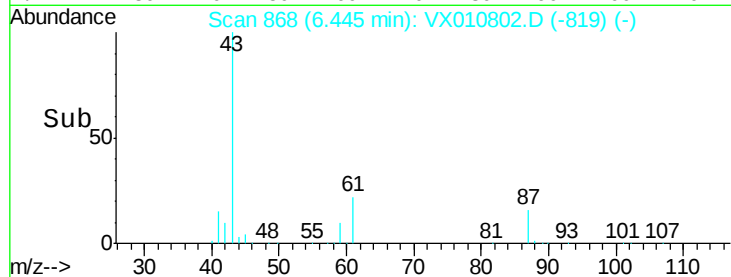
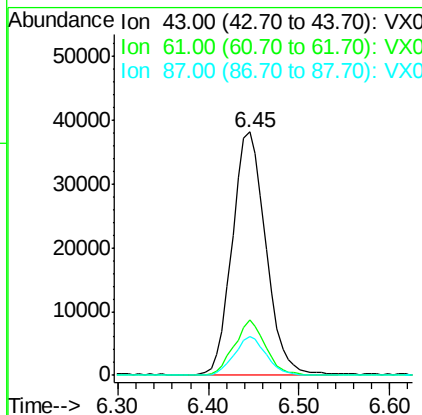
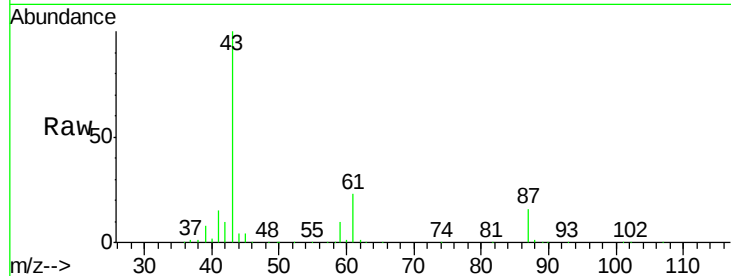
ClientSampleId :

VX0711WBS02

Tot Ion:	43	Resp:	97391
Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.8	26.6
87	15.3	13.0	19.4

Manual Integrations
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#44

Trichloroethene

Concen: 20.431 ug/l

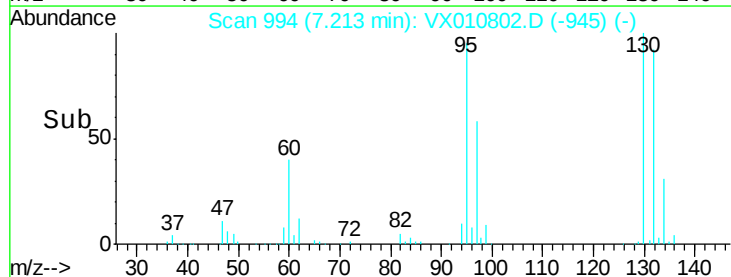
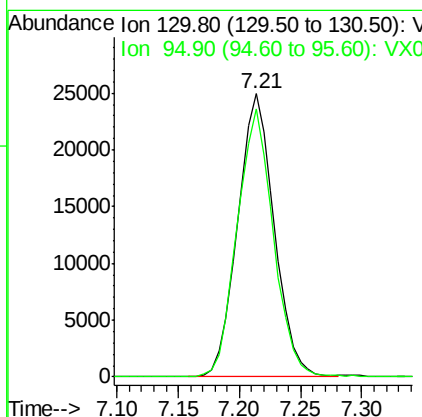
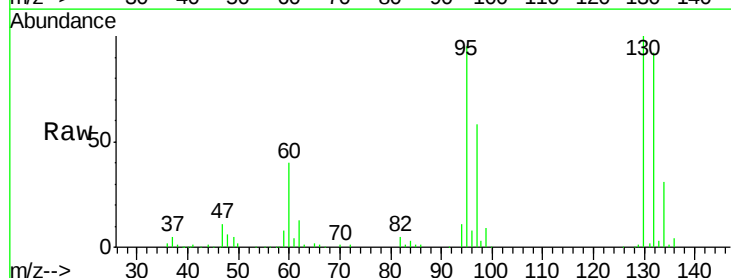
RT: 7.21 min Scan# 994

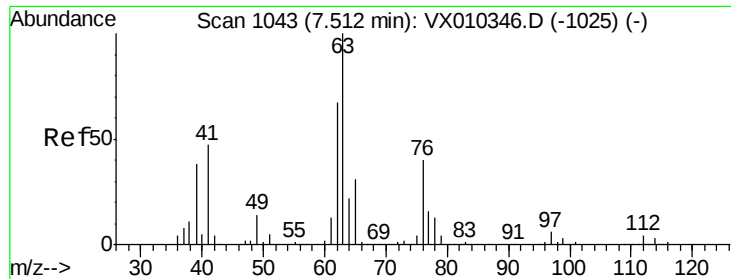
Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Tgt Ion:	130	Resp:	51649
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	180.8





#45

1,2-Dichloropropane

Concen: 20.917 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion: 63 Resp: 44626

Ion Ratio Lower Upper

63 100

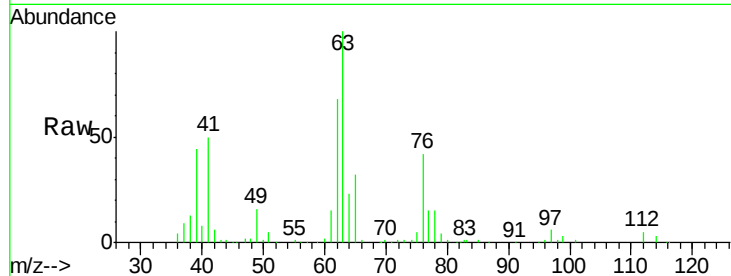
65 31.8 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

10000

5000

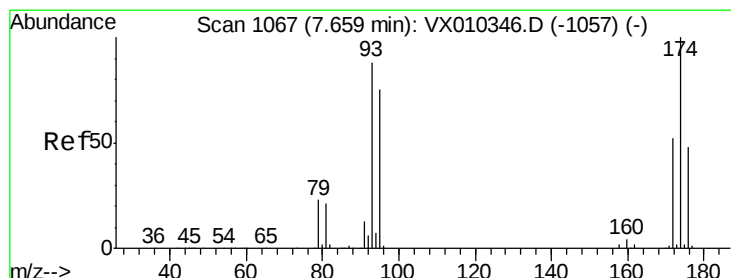
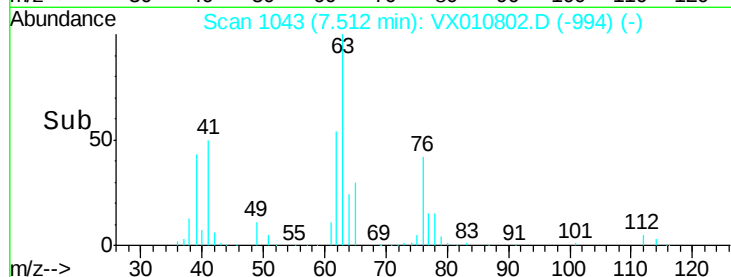
0

Time-->

7.40

7.50

7.60



#46

Dibromomethane

Concen: 21.165 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

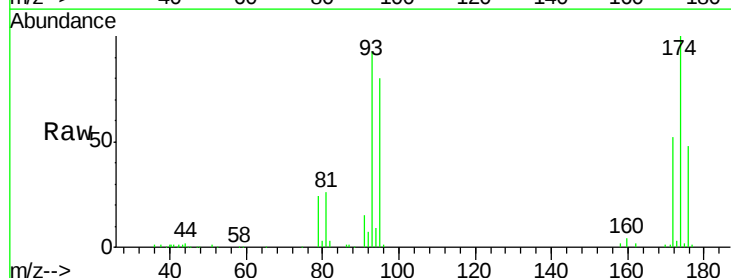
Tgt Ion: 93 Resp: 32397

Ion Ratio Lower Upper

93 100

95 83.0 67.5 101.3

174 109.9 95.8 143.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

10000

5000

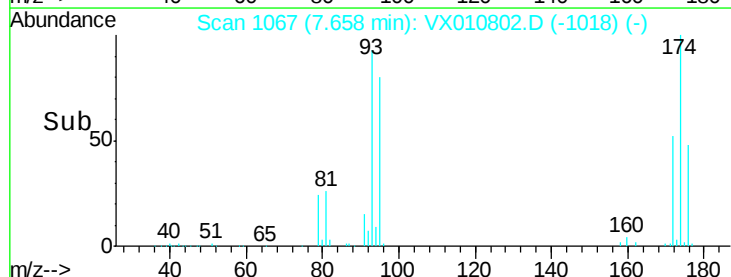
0

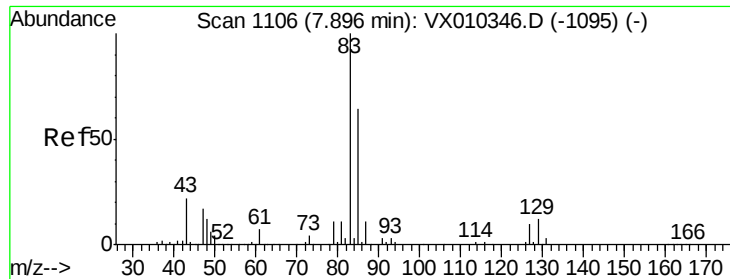
Time-->

7.60

7.70

7.80





#47

Bromodichloromethane

Concen: 19.471 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

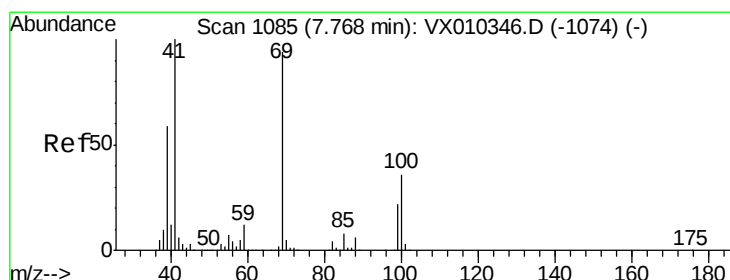
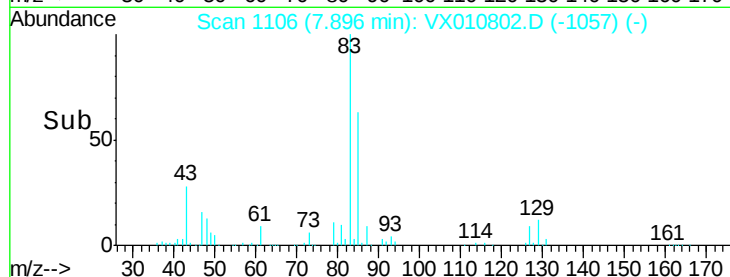
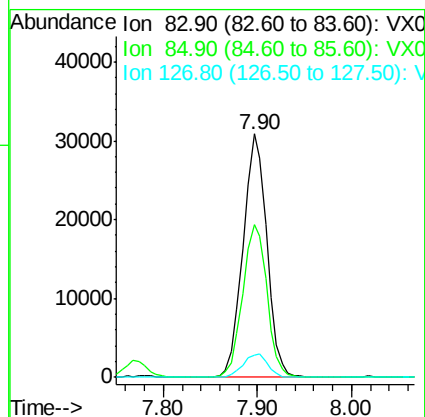
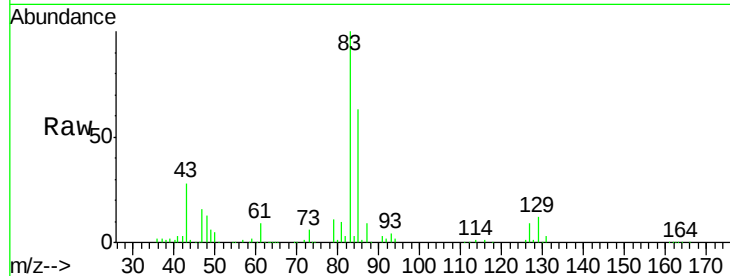
ClientSampleId :

VX0711WBS02

Tot Ion:	83	Resp:	54621
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.5	77.3
127	9.3	7.8	11.8

Manual Integrations
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7/12/2019 12:21:53 PM



#48

Methyl methacrylate

Concen: 21.848 ug/l

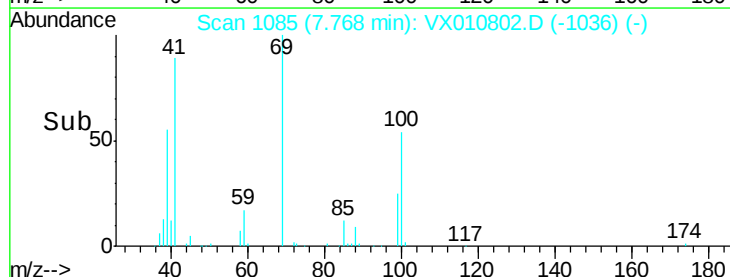
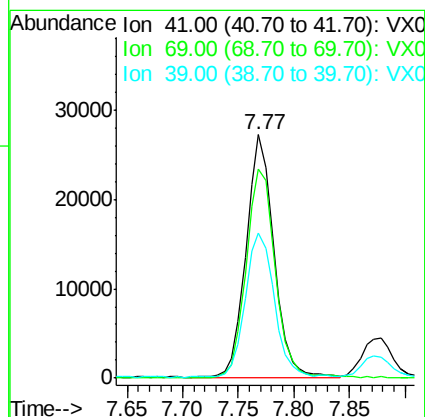
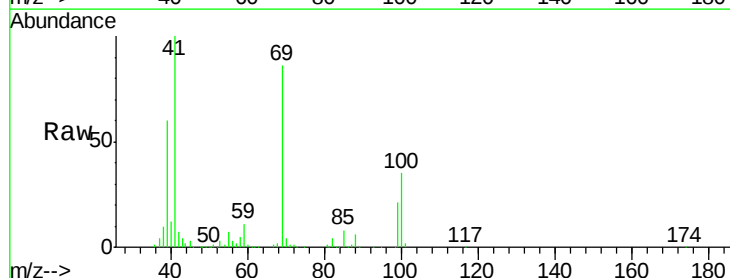
RT: 7.77 min Scan# 1085

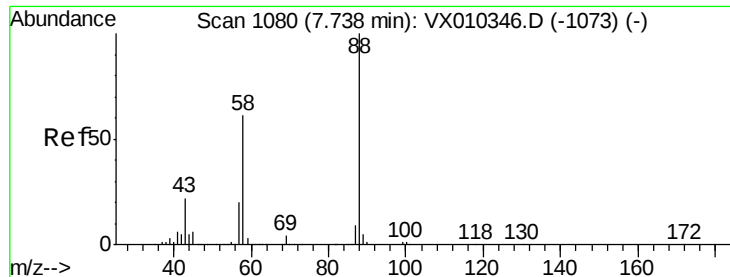
Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Tgt Ion:	41	Resp:	46873
Ion	Ratio	Lower	Upper
41	100		
69	91.2	76.1	114.1
39	63.0	47.6	71.4





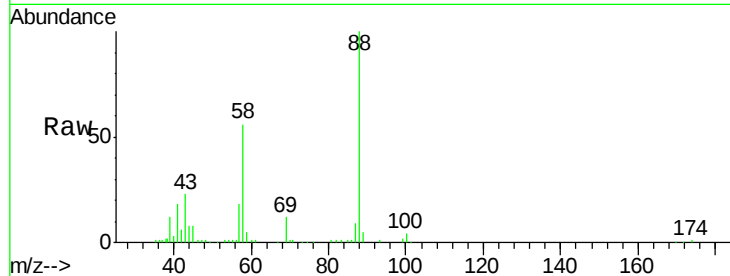
#49
1,4-Dioxane
Concen: 428.923 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

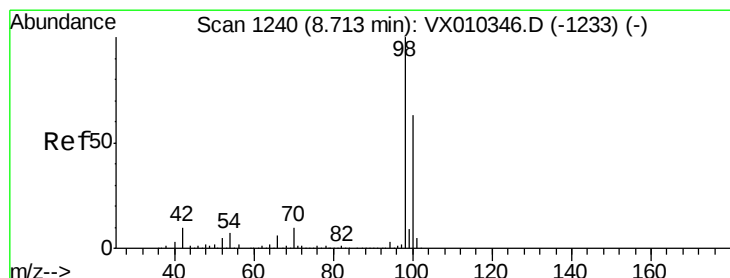
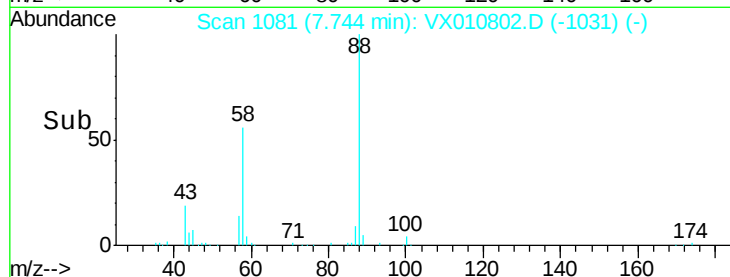
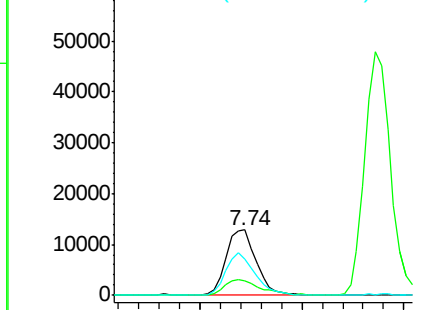
Tot Ion	Ratio	Lower	Upper
88	100		
43	27.0	20.2	30.2
58	63.2	49.5	74.3

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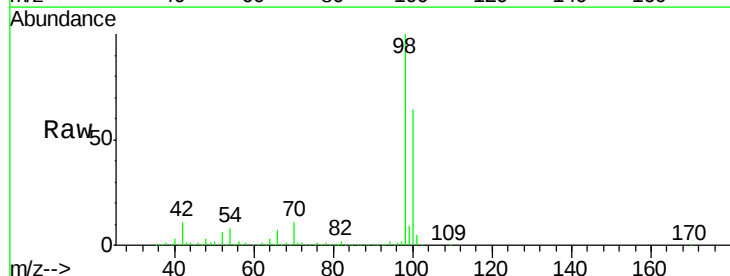


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

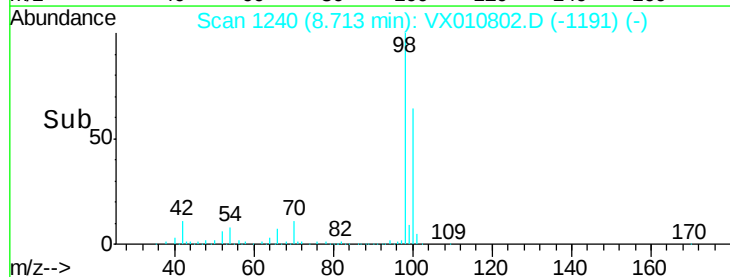
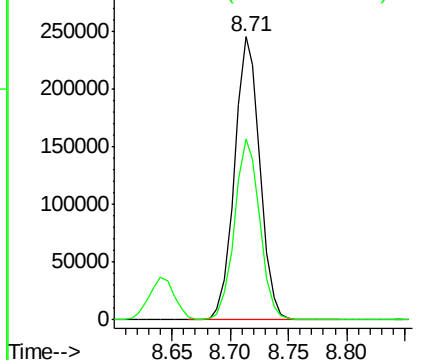


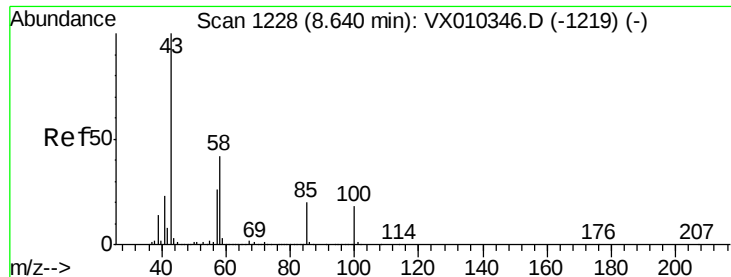
#50
Toluene-d8
Concen: 46.607 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 110.297 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion: 43 Resp: 325593

Ion Ratio Lower Upper

43 100

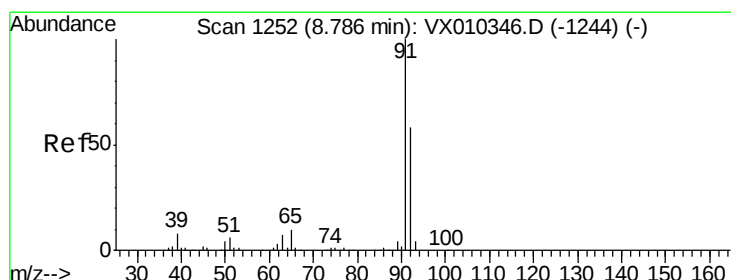
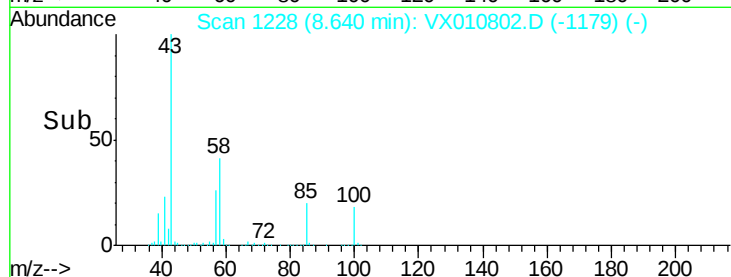
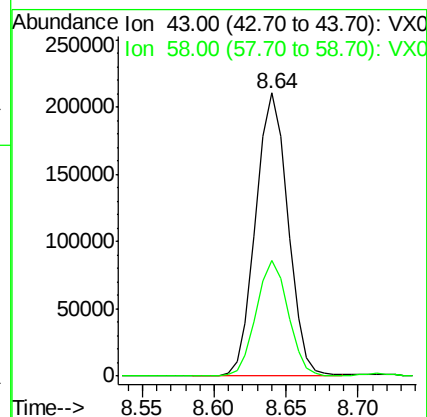
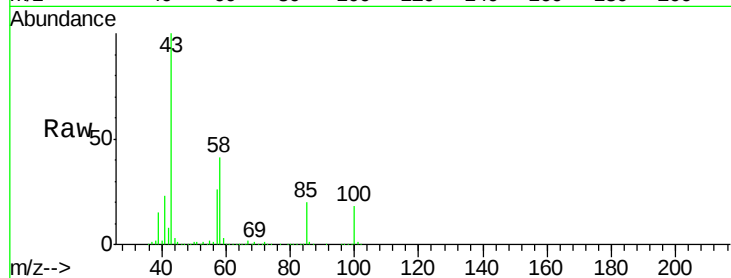
58 40.6 33.5 50.3

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7/12/2019 12:21:53 PM



#52

Toluene

Concen: 20.787 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX010802.D

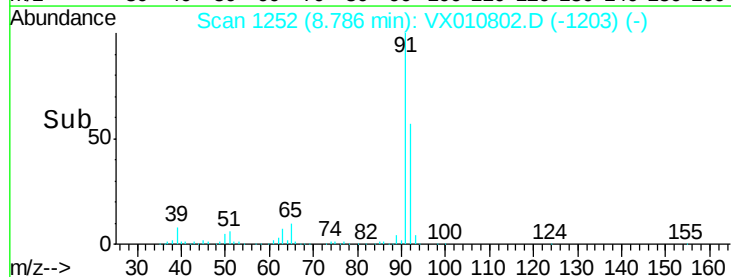
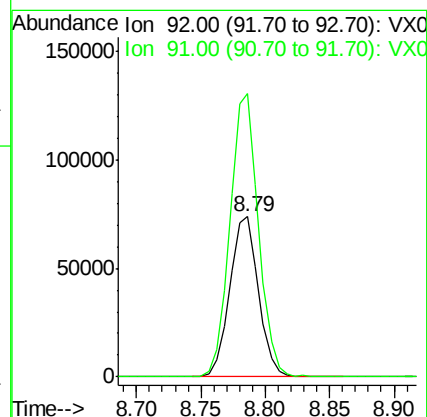
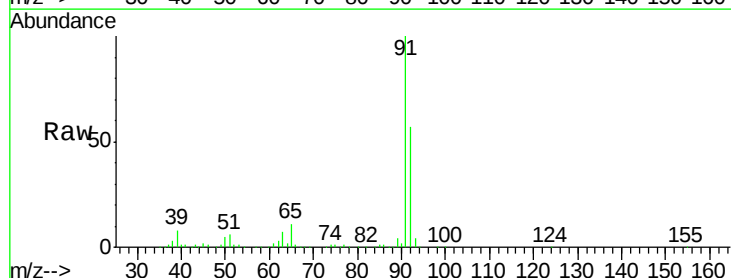
Acq: 11 Jul 2019 13:16

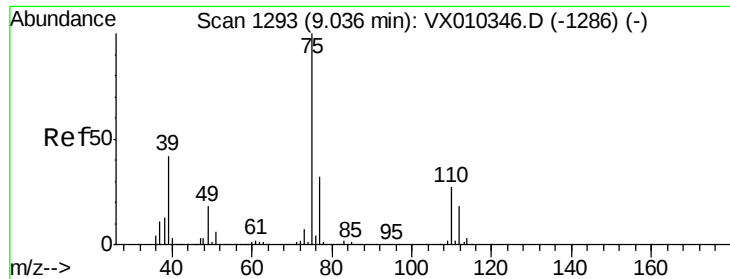
Tgt Ion: 92 Resp: 115652

Ion Ratio Lower Upper

92 100

91 174.9 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.144 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampled :

VX0711WBS02

Tot Ion: 75 Resp: 57064

Ion Ratio Lower Upper

75 100

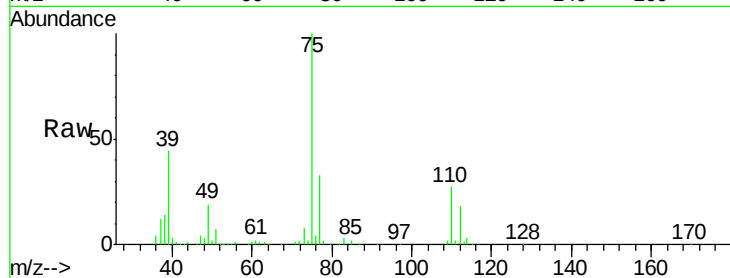
77 33.4 25.4 38.2

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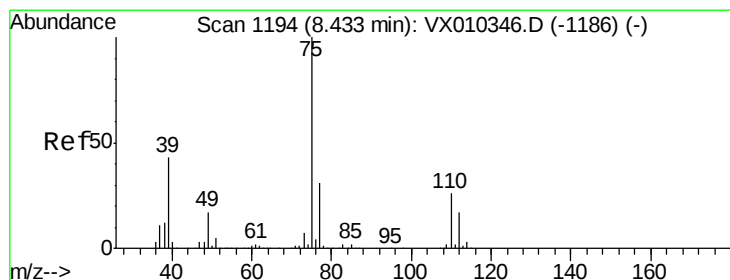
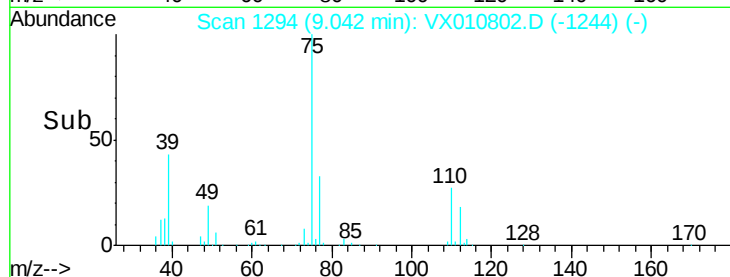
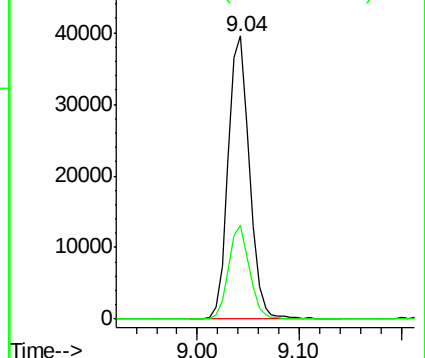
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7/12/2019 12:21:53 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.339 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

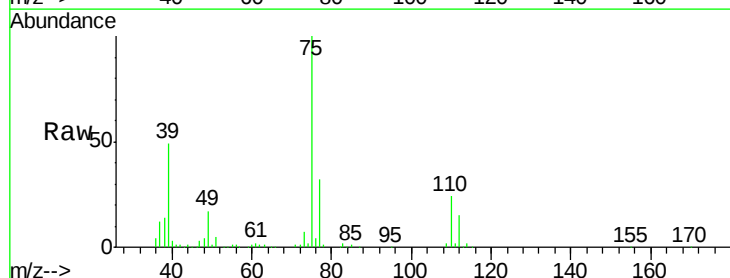
Tgt Ion: 75 Resp: 66097

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

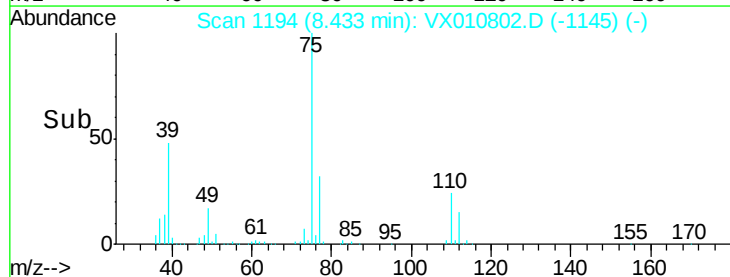
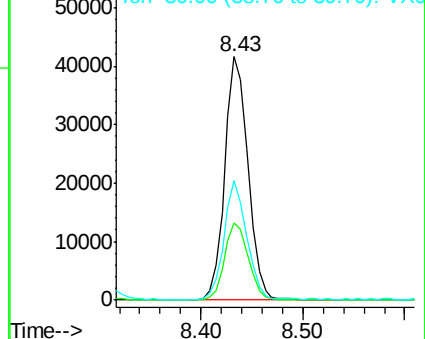
39 48.6 34.5 51.7

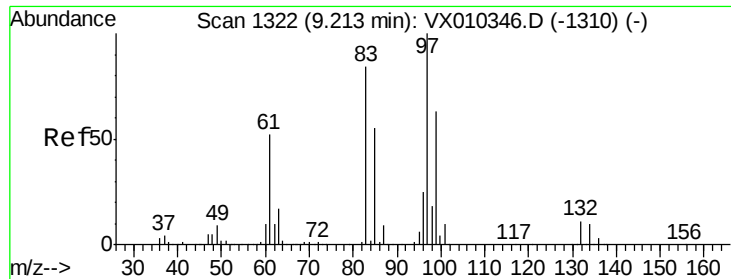


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





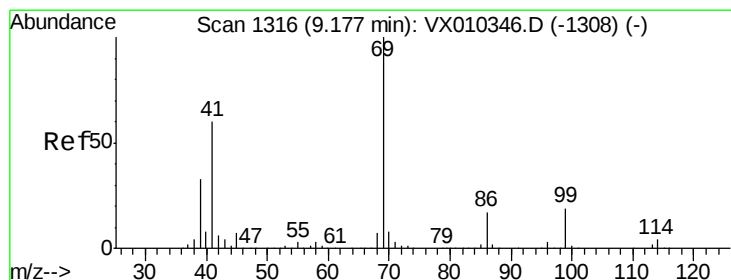
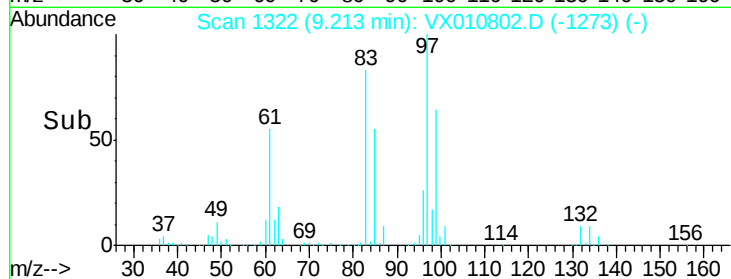
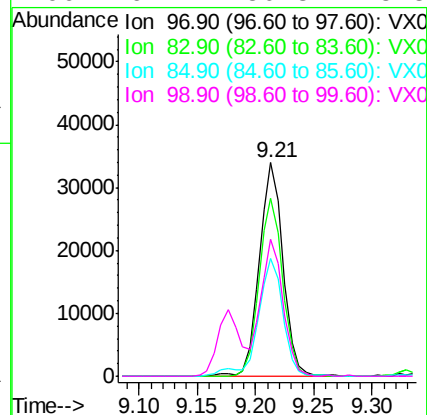
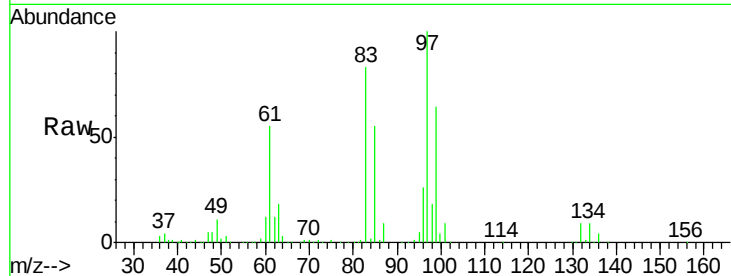
#55
 1,1,2-Trichloroethane
 Concen: 21.048 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS02

Tot Ion:	97	Resp:	48295
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.0
85	55.0	43.8	65.8
99	64.2	50.3	75.5

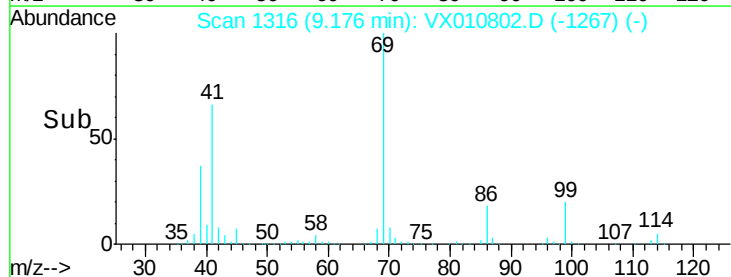
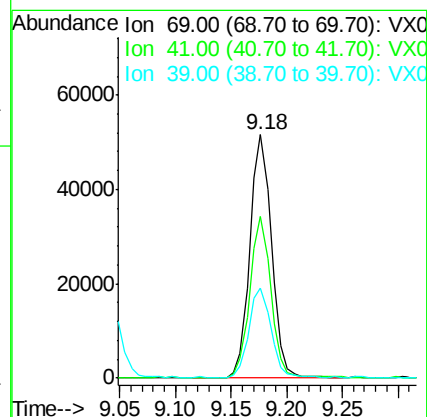
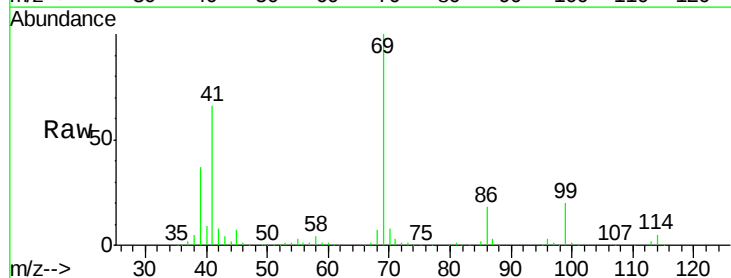
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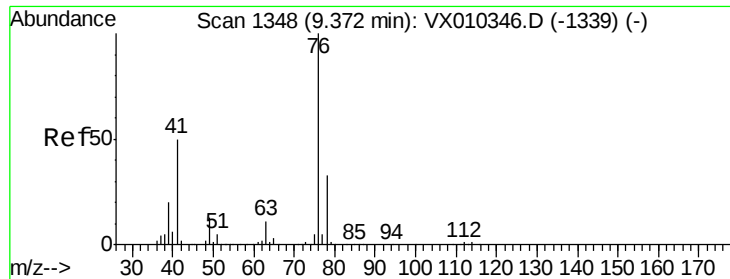
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 7/12/2019 12:21:53 PM



#56
 Ethyl methacrylate
 Concen: 20.170 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Tgt Ion:	69	Resp:	70110
Ion	Ratio	Lower	Upper
69	100		
41	64.2	47.1	70.7
39	37.4	26.6	40.0





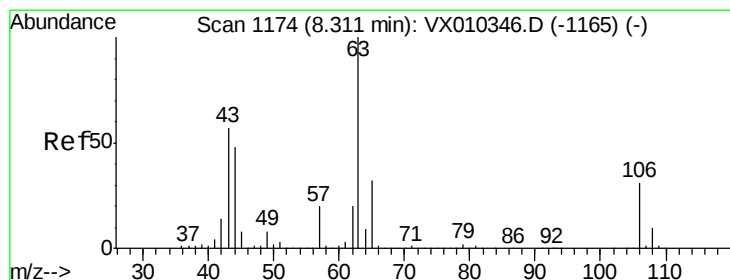
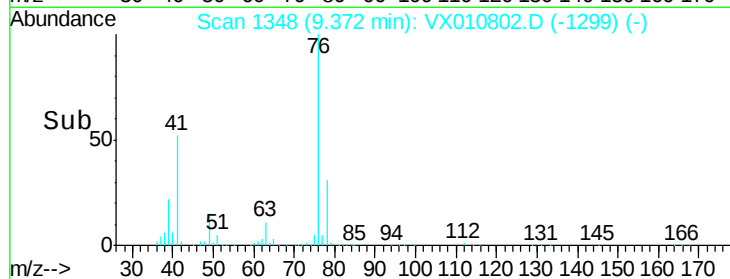
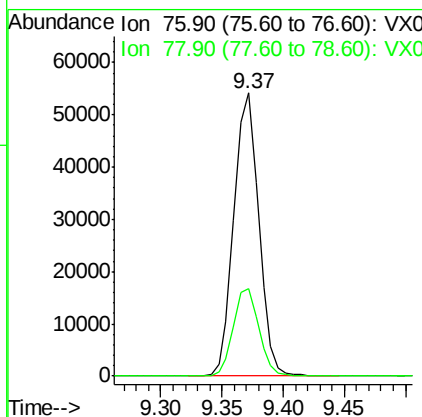
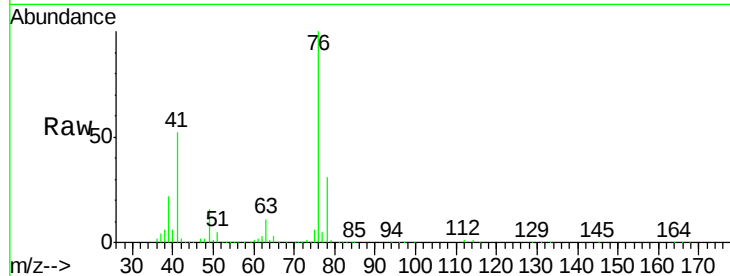
#57
 1,3-Dichloropropane
 Concen: 21.420 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS02

Tot Ion: 76 Resp: 76294
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.1 39.1

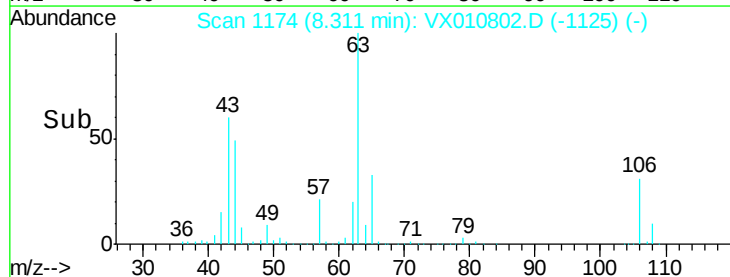
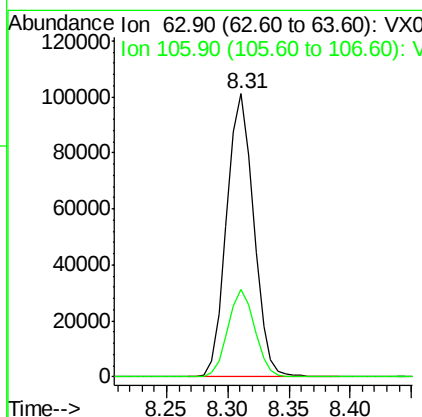
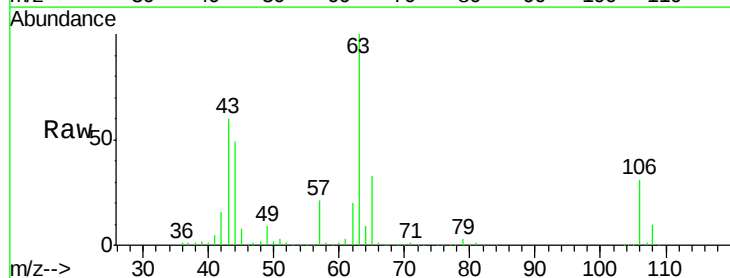
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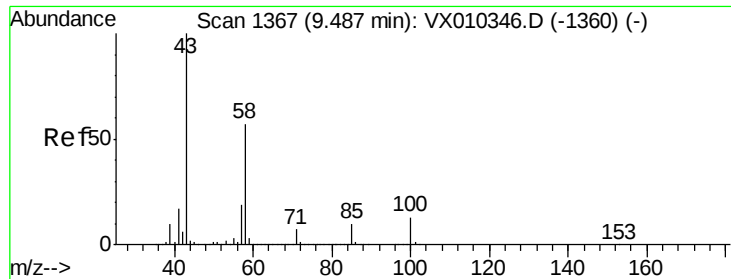
MMDadoda
 7/12/2019 12:21:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.065 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Tgt Ion: 63 Resp: 155284
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.7 37.1





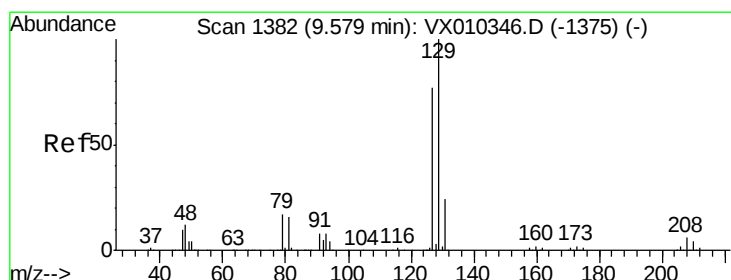
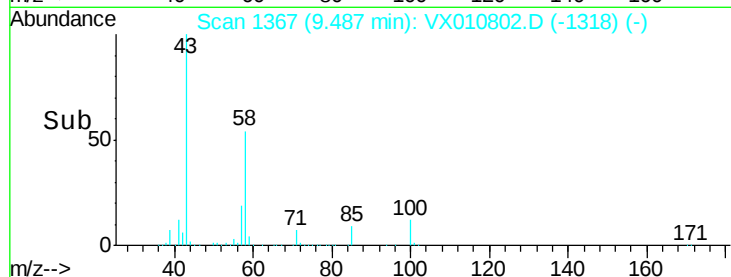
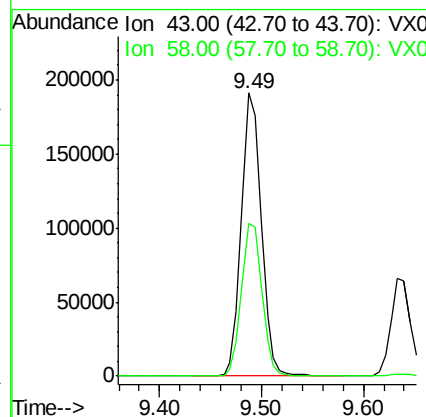
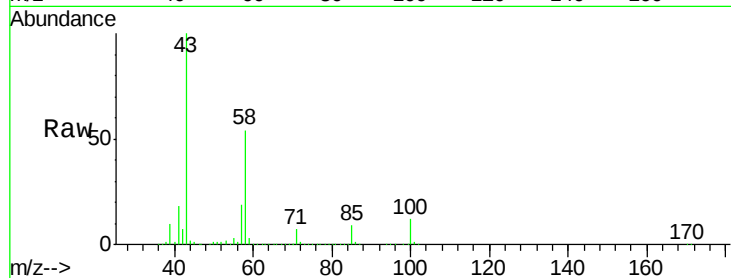
#59
2-Hexanone
Concen: 111.287 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion: 43 Resp: 258554
Ion Ratio Lower Upper
43 100
58 55.7 29.0 87.1

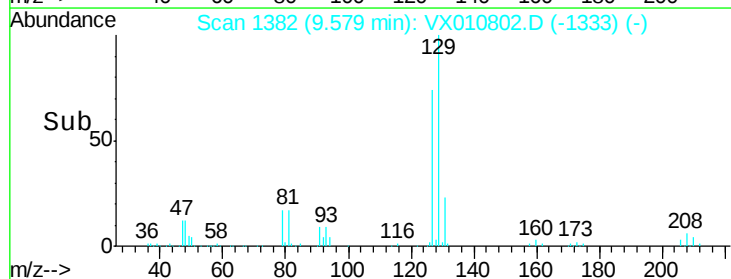
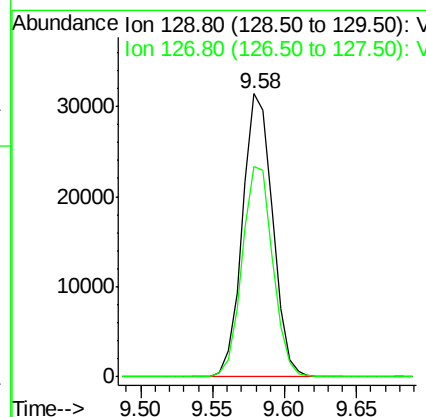
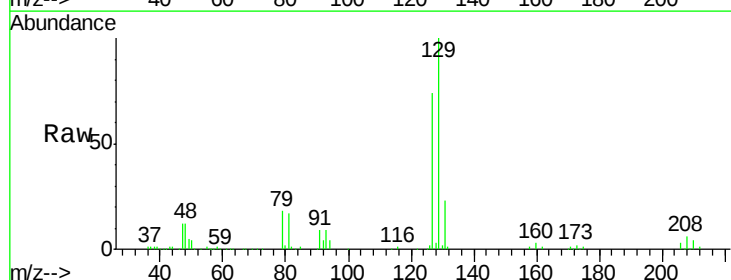
Manual Integrations
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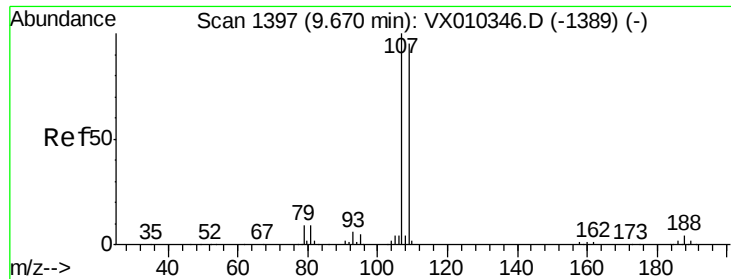
MMDadoda
7/12/2019 12:21:53 PM



#60
Dibromochloromethane
Concen: 17.754 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion: 129 Resp: 45612
Ion Ratio Lower Upper
129 100
127 75.7 38.4 115.1





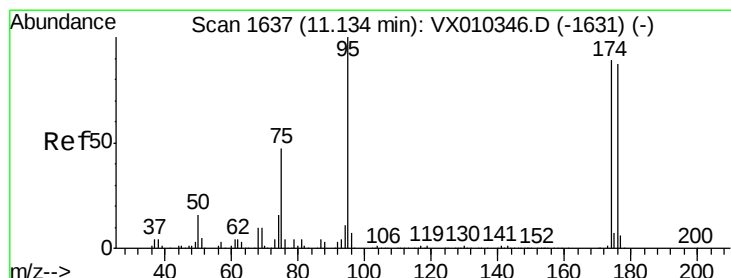
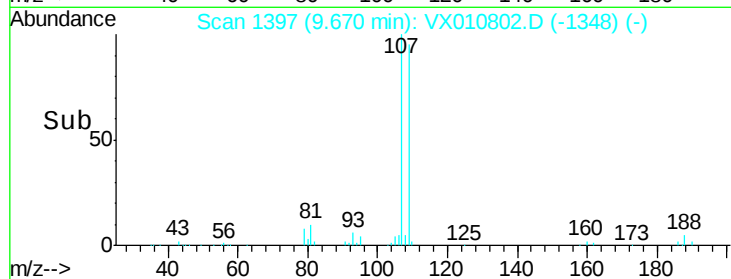
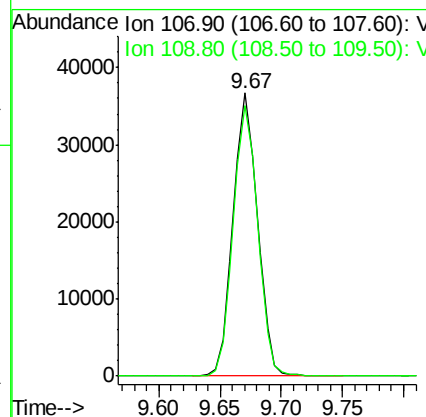
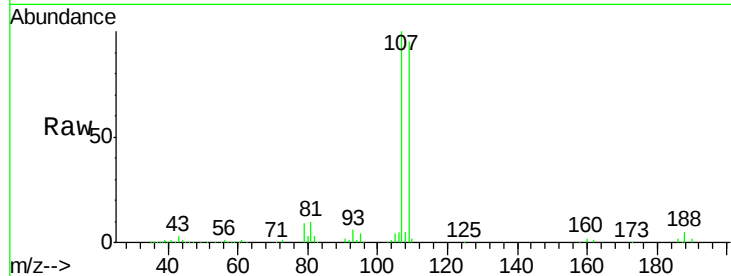
#61
 1,2-Dibromoethane
 Concen: 20.517 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.8	113.6

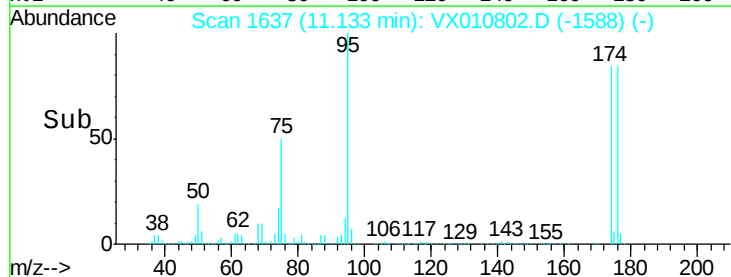
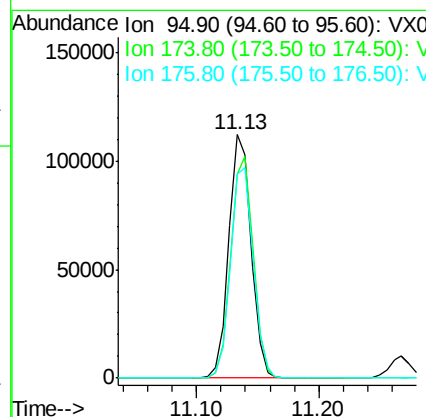
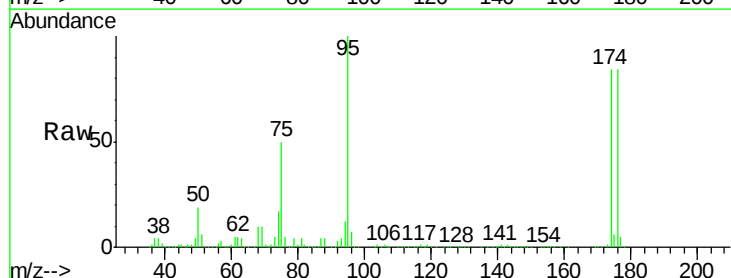
Manual Integrations
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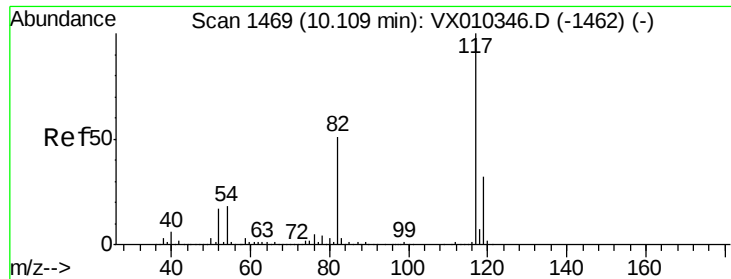
MMDadoda
 7/12/2019 12:21:53 PM



#62
 4-Bromofluorobenzene
 Concen: 49.068 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	187.6
176	87.8	0.0	184.0





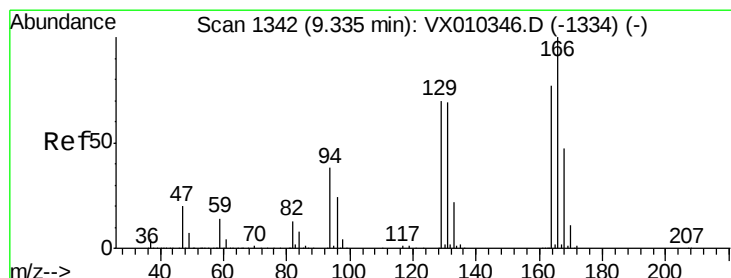
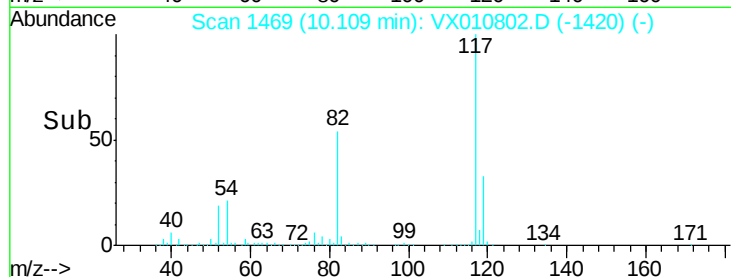
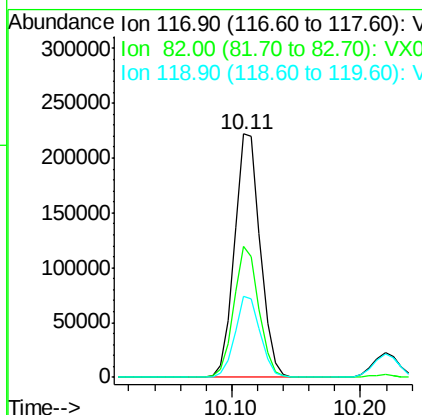
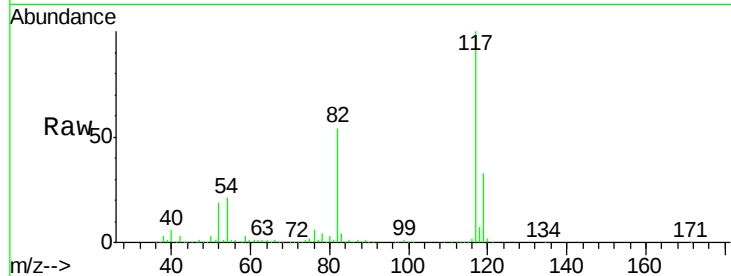
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	307938		
82	53.6	41.2	61.8	
119	33.0	25.5	38.3	

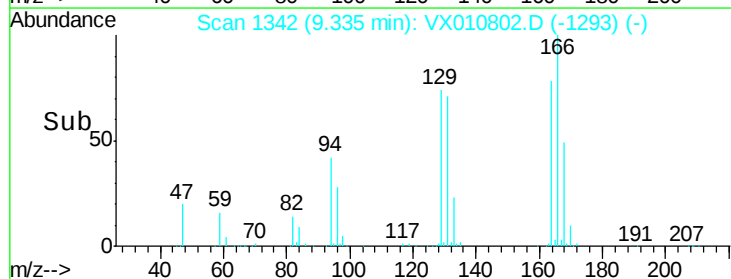
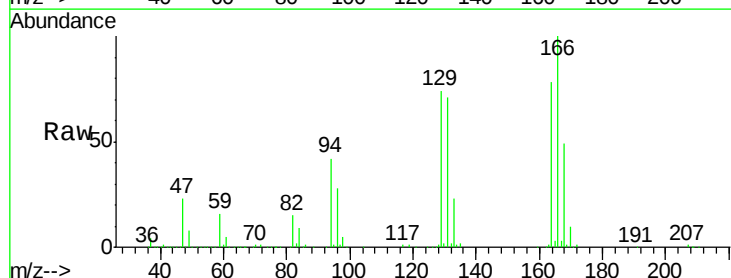
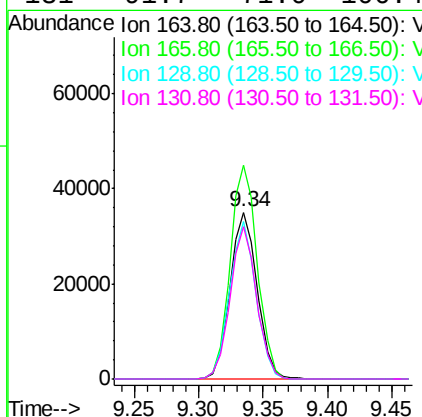
Manual Integrations
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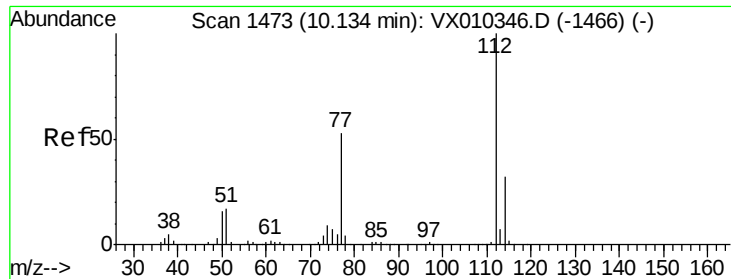
MMDadoda
7/12/2019 12:21:53 PM



#64
Tetrachloroethene
Concen: 20.744 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51668		
166	128.3	103.6	155.4	
129	94.4	73.0	109.4	
131	91.7	71.0	106.4	





#65

Chlorobenzene

Concen: 20.512 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion:112 Resp: 128236

Ion Ratio Lower Upper

112 100

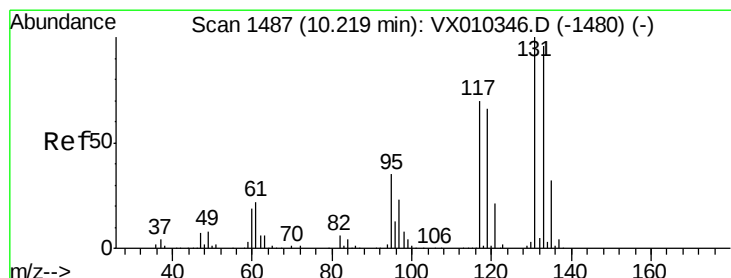
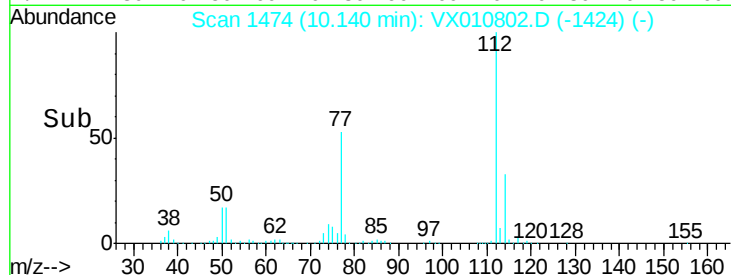
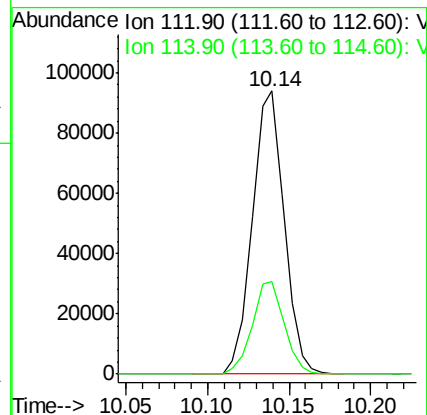
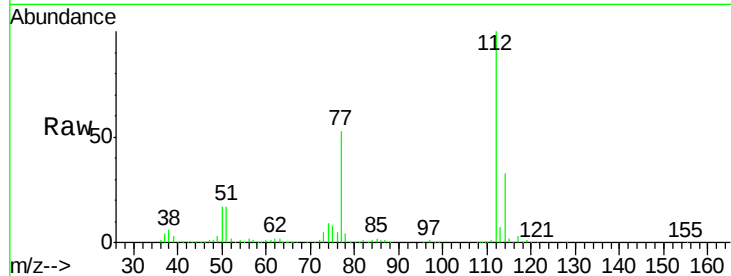
114 32.6 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.827 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

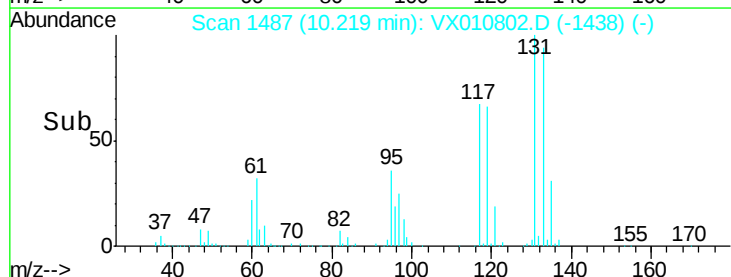
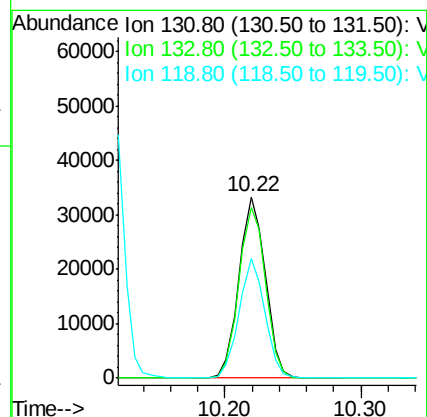
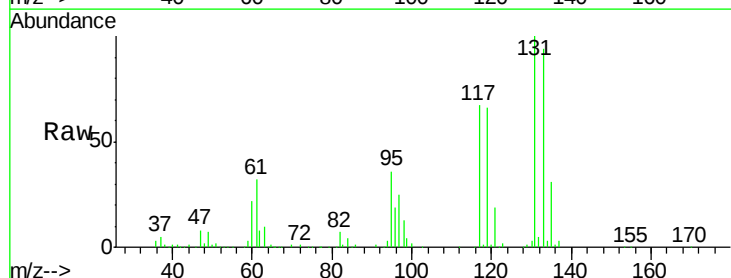
Tgt Ion:131 Resp: 45150

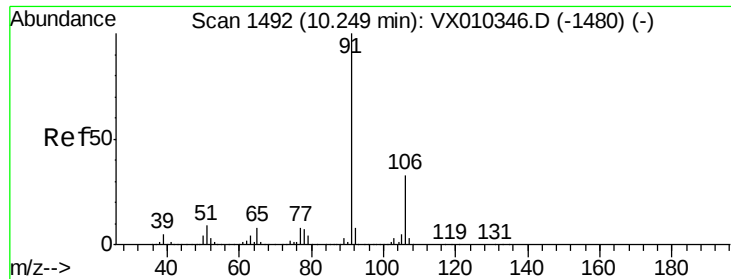
Ion Ratio Lower Upper

131 100

133 94.6 47.7 143.1

119 64.6 32.6 97.7





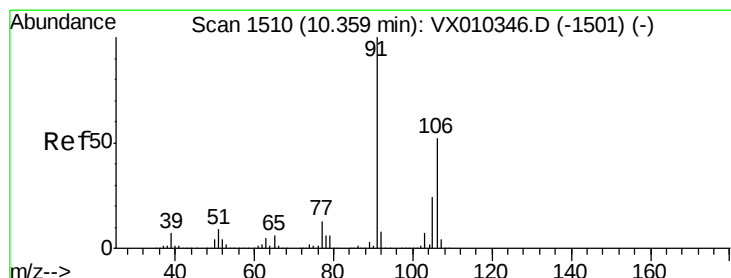
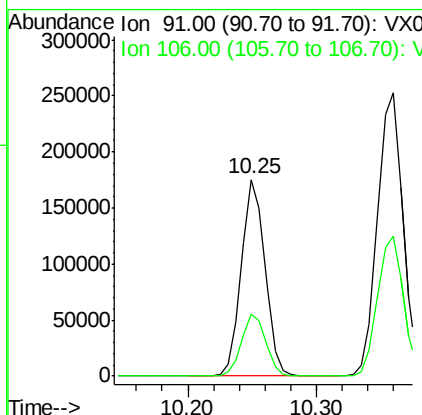
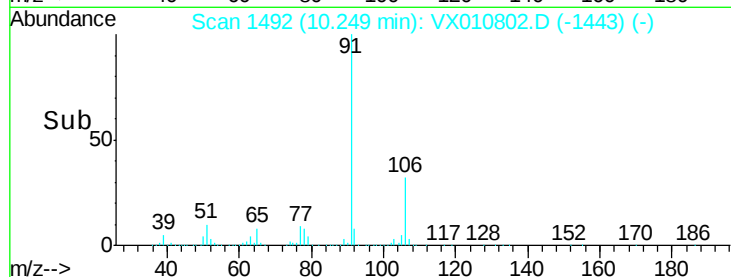
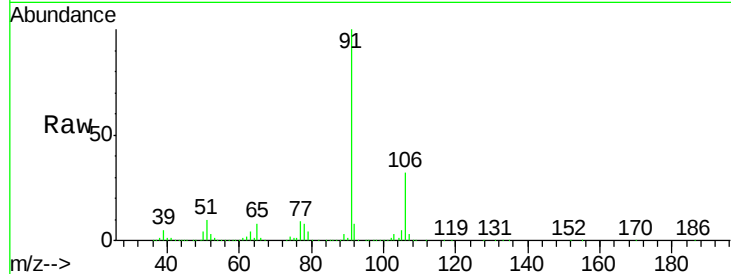
#67
Ethyl Benzene
Concen: 21.247 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion: 91 Resp: 224242
Ion Ratio Lower Upper
91 100
106 31.6 26.2 39.2

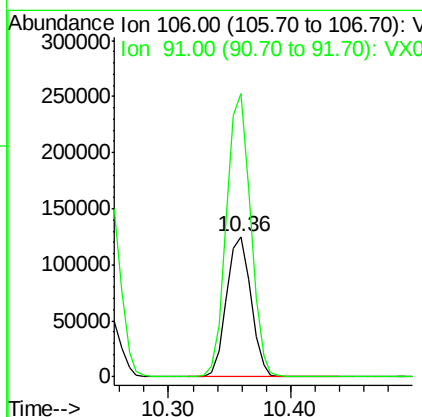
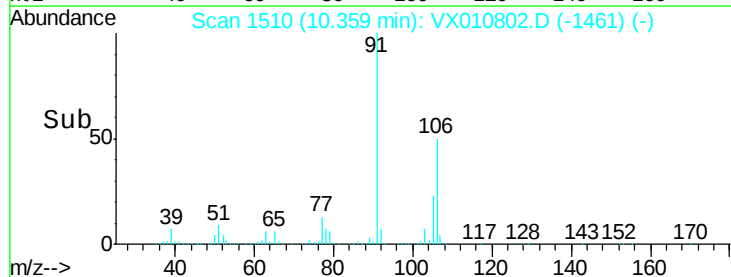
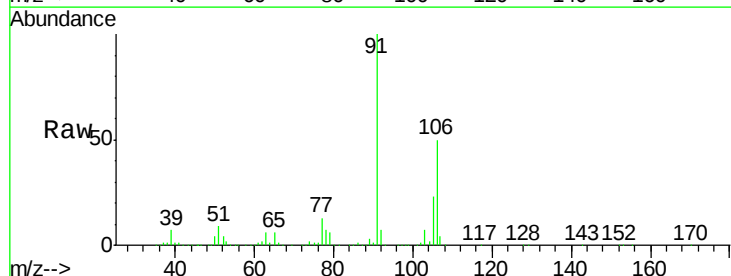
Manual Integrations
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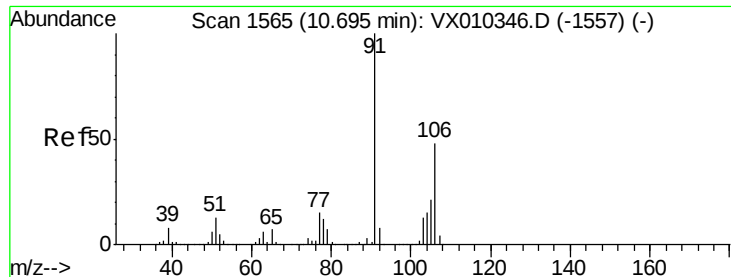
MMDadoda
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#68
m/p-Xylenes
Concen: 42.310 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion: 106 Resp: 173029
Ion Ratio Lower Upper
106 100
91 198.7 155.3 232.9





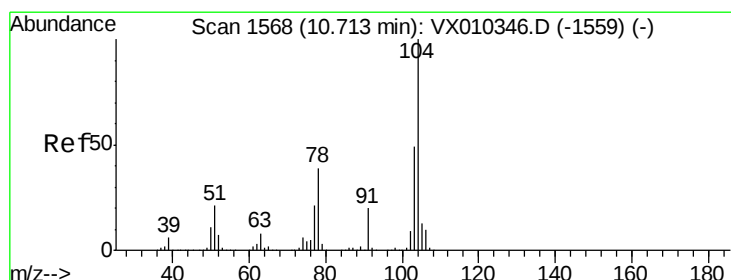
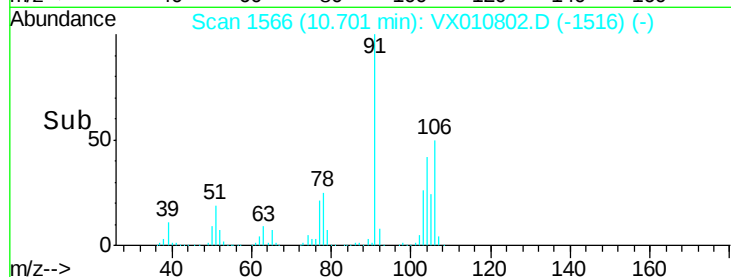
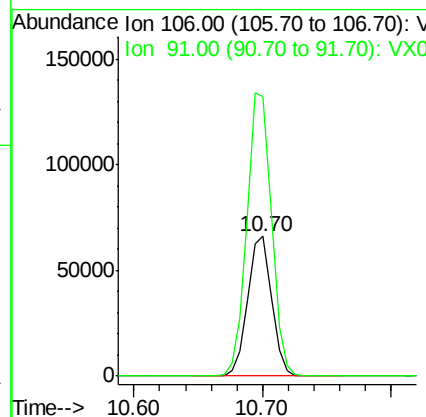
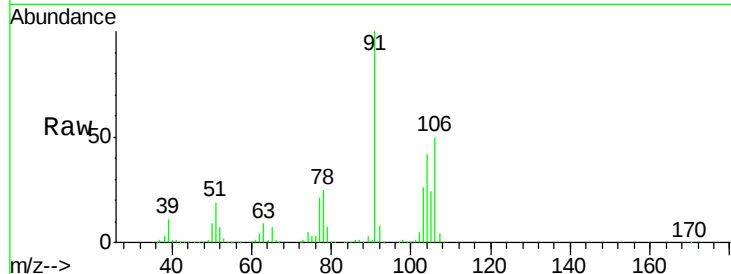
#69
o-Xylene
Concen: 21.074 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampled :
VX0711WBS02

Tot Ion:106 Resp: 84751
Ion Ratio Lower Upper
106 100
91 208.5 102.7 308.1

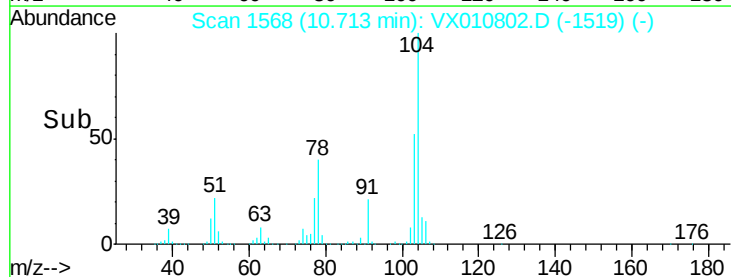
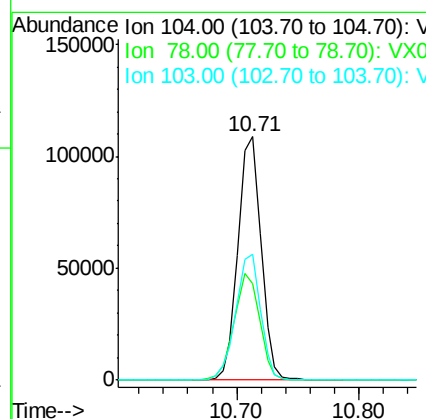
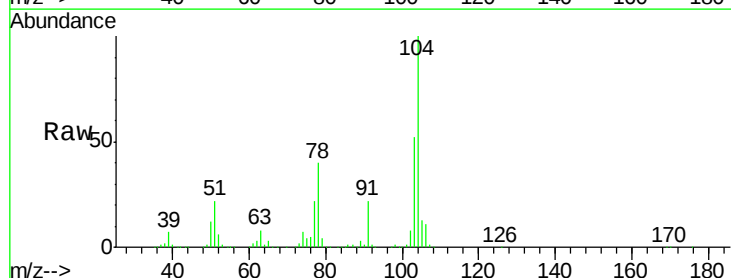
Manual Integrations
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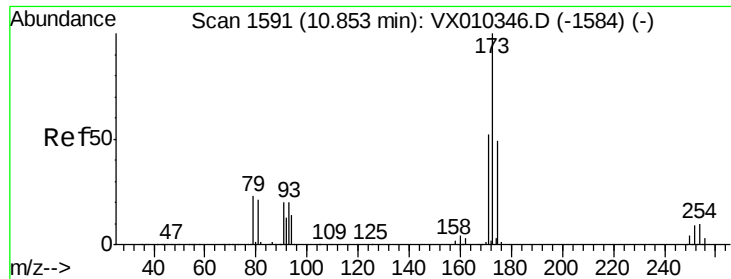
MMDadoda
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#70
Styrene
Concen: 21.089 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion:104 Resp: 142237
Ion Ratio Lower Upper
104 100
78 48.4 36.2 54.2
103 55.9 44.2 66.4





#71

Bromoform

Concen: 16.217 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion:173 Resp: 32114

Ion Ratio Lower Upper

173 100

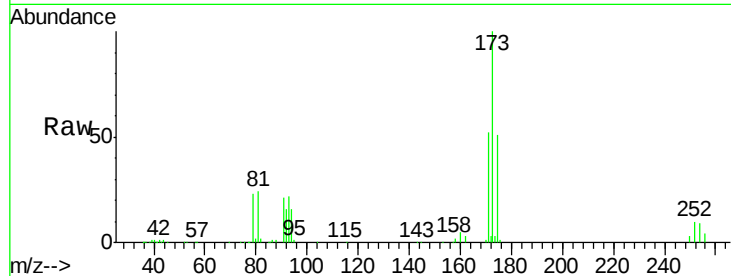
175 49.6 24.1 72.3

254 0.0 0.2 0.2#

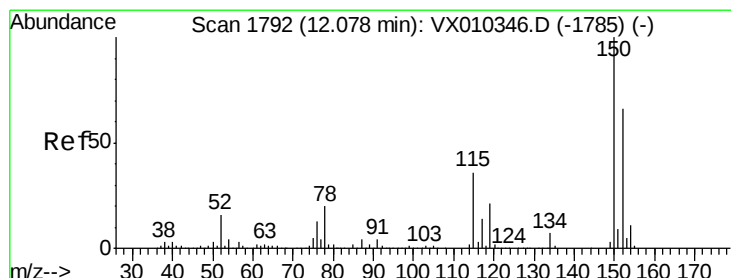
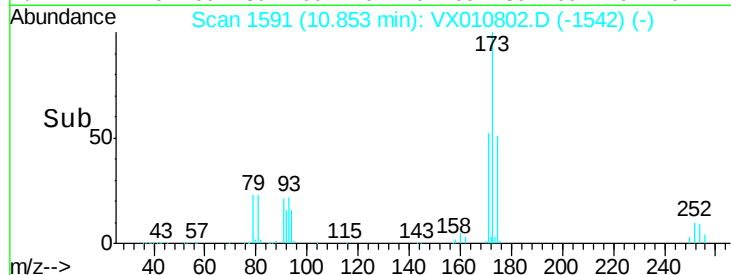
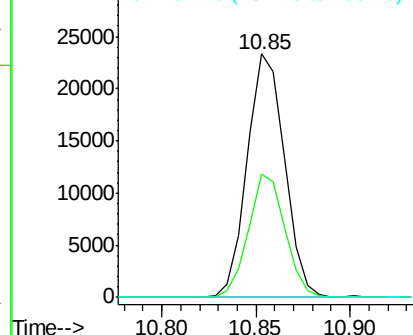
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

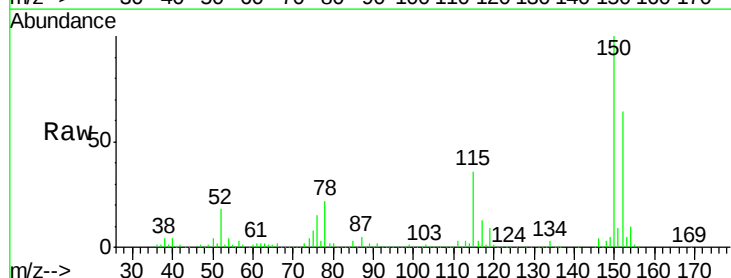
Tgt Ion:152 Resp: 165963

Ion Ratio Lower Upper

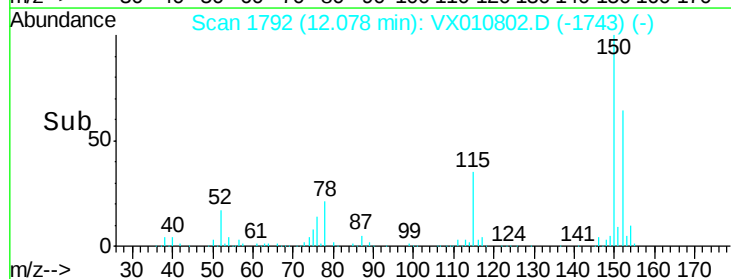
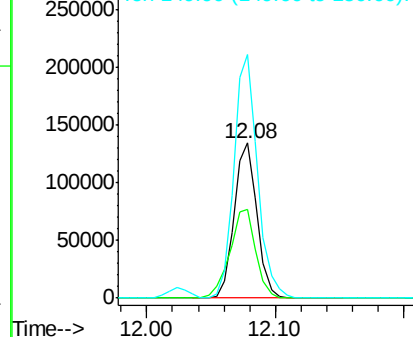
152 100

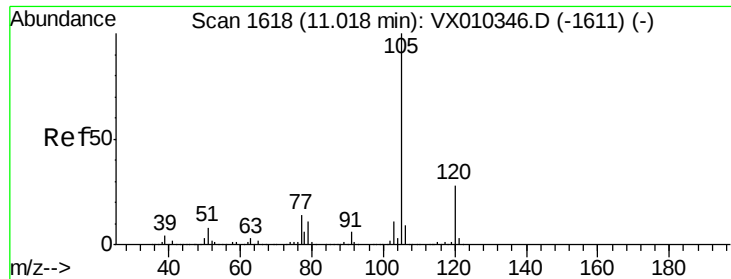
115 65.4 38.6 115.7

150 162.6 0.0 347.4



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: 20.197 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion:105 Resp: 227226

Ion Ratio Lower Upper

105 100

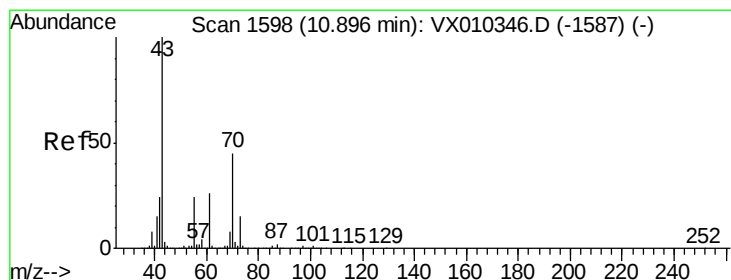
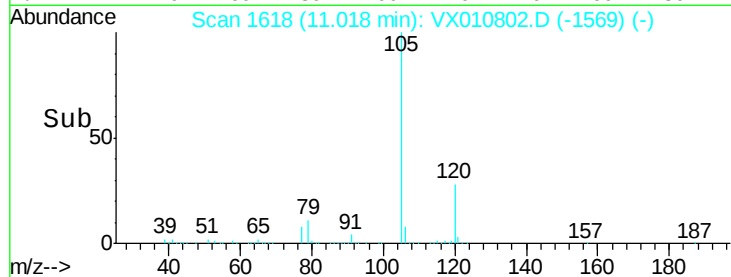
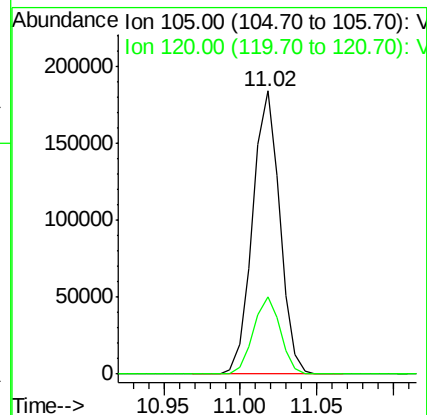
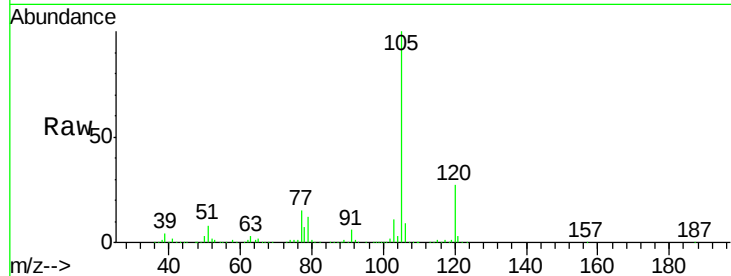
120 27.2 14.1 42.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.086 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Tgt Ion: 43 Resp: 89652

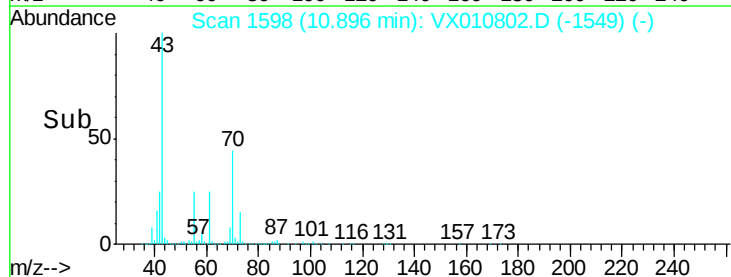
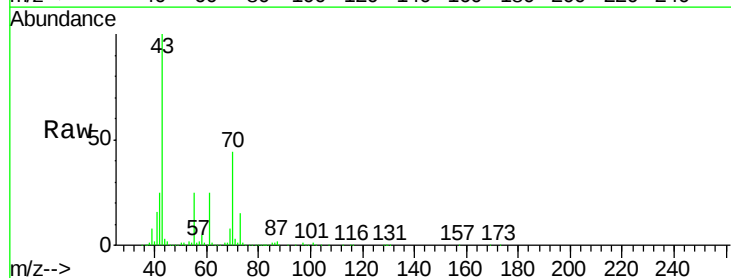
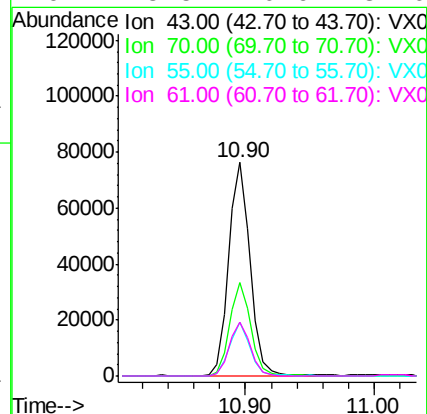
Ion Ratio Lower Upper

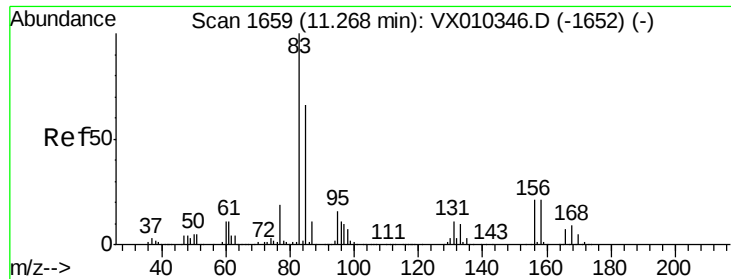
43 100

70 43.5 36.6 54.8

55 24.6 18.7 28.1

61 25.5 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.011 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

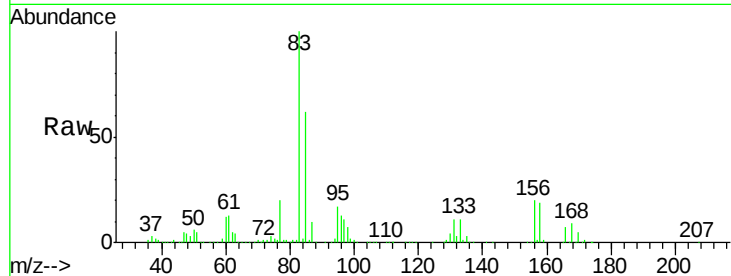
ClientSampleId :

VX0711WBS02

Tot Ion:	83	Resp:	74556
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.4
85	64.3	32.3	96.8

Manual Integrations
APPROVED

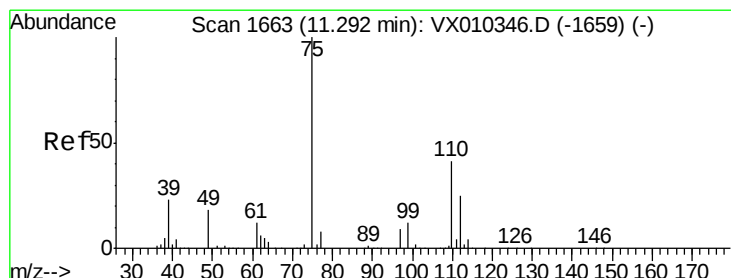
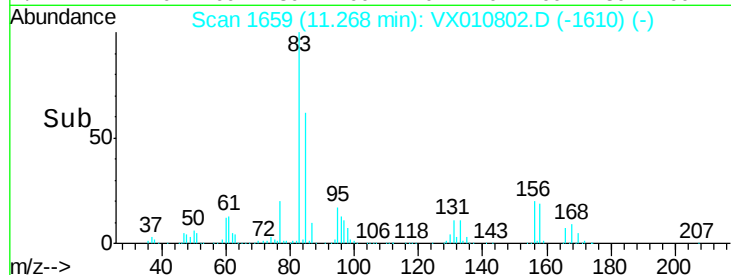
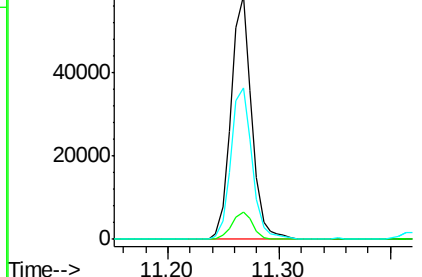
MMDadoda
7/12/2019 12:21:53 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.334 ug/l m

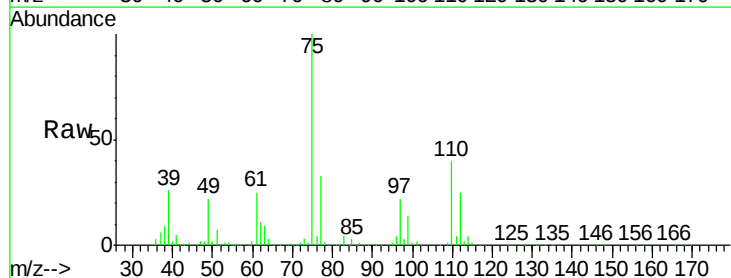
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010802.D

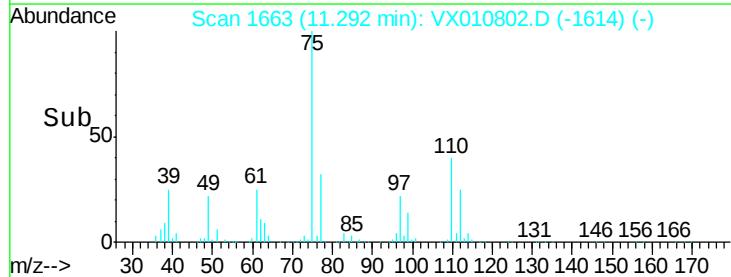
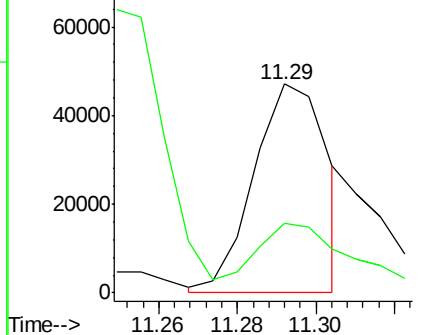
Acq: 11 Jul 2019 13:16

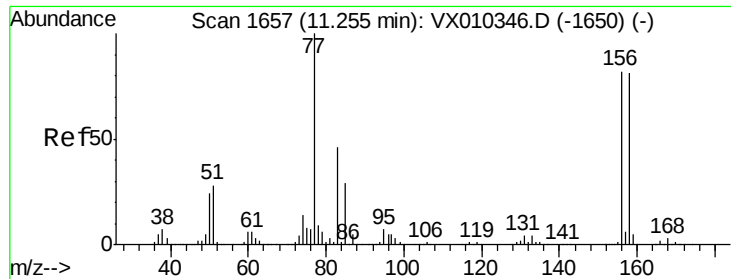
Tgt Ion:	75	Resp:	61496
Ion Ratio	Lower	Upper	
75	100		
77	43.7	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.442 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion:156 Resp: 61074

Ion Ratio Lower Upper

156 100

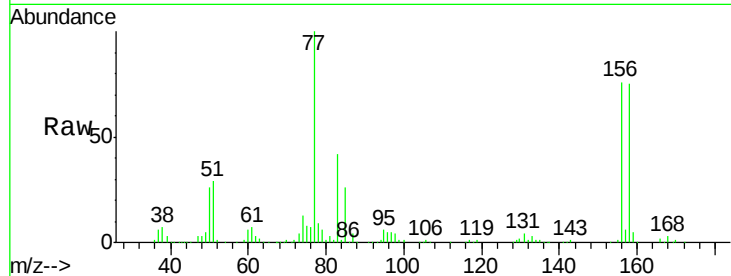
77 139.4 66.3 198.7

158 98.3 48.9 146.7

Manual Integrations
APPROVED

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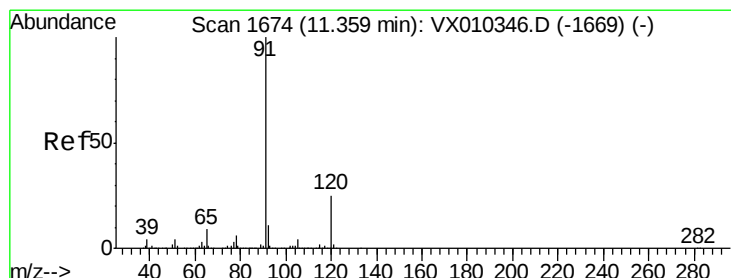
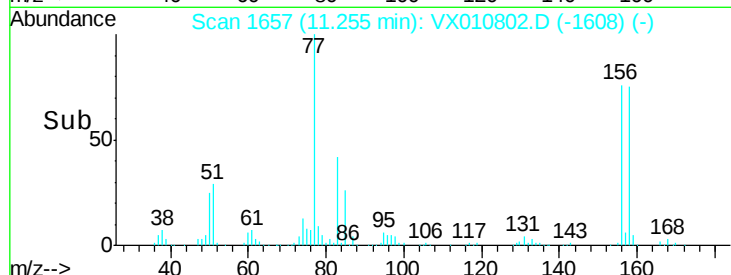
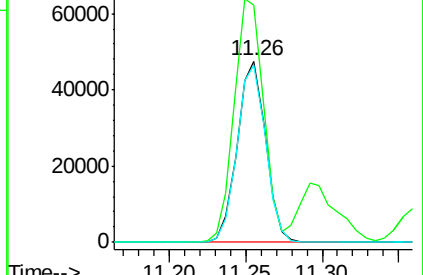
7/12/2019 12:21:53 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.590 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010802.D

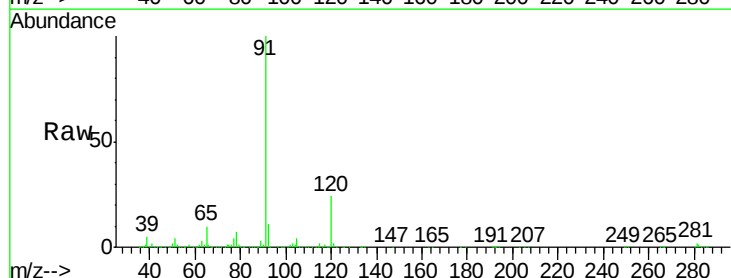
Acq: 11 Jul 2019 13:16

Tgt Ion: 91 Resp: 254587

Ion Ratio Lower Upper

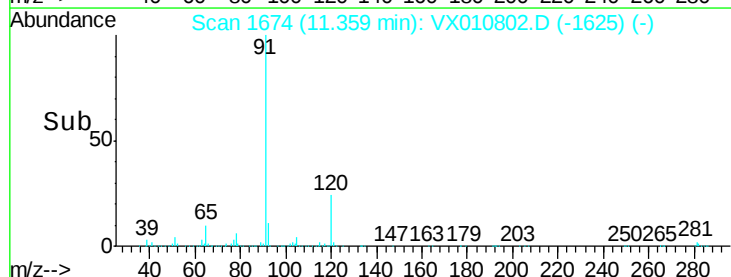
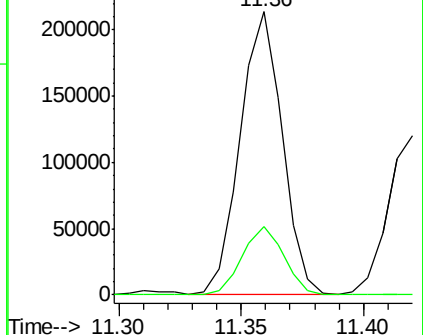
91 100

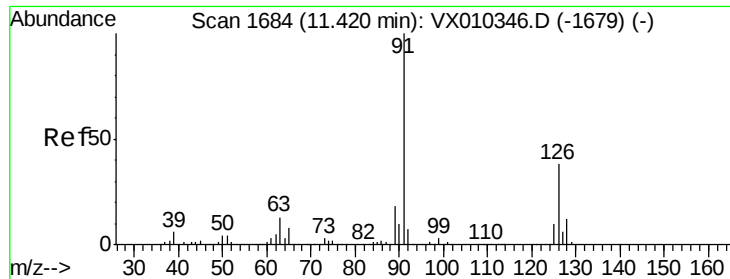
120 24.1 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.391 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion: 91 Resp: 150133

Ion Ratio Lower Upper

91 100

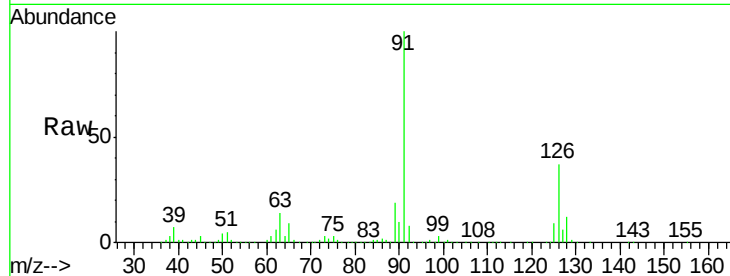
126 36.5 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

250000

200000

150000

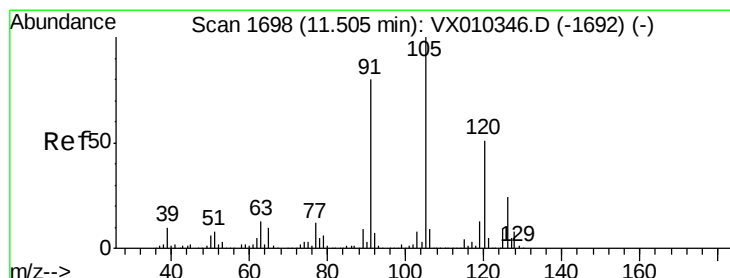
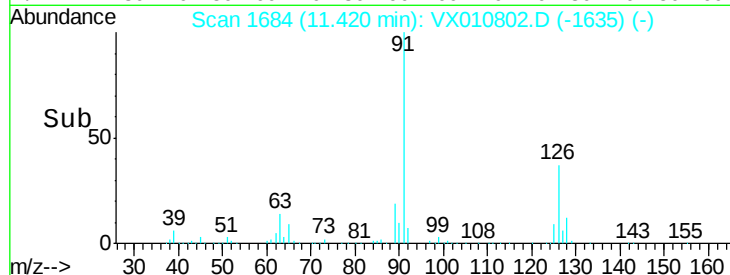
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.655 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010802.D

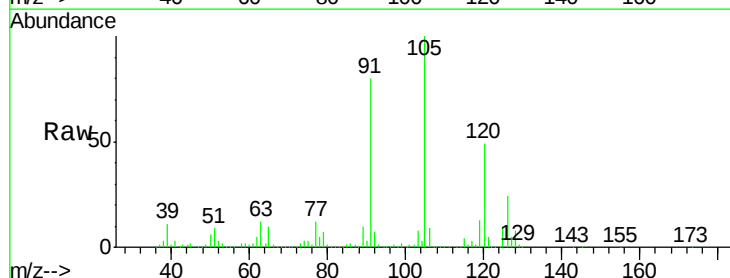
Acq: 11 Jul 2019 13:16

Tgt Ion:105 Resp: 191568

Ion Ratio Lower Upper

105 100

120 49.4 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

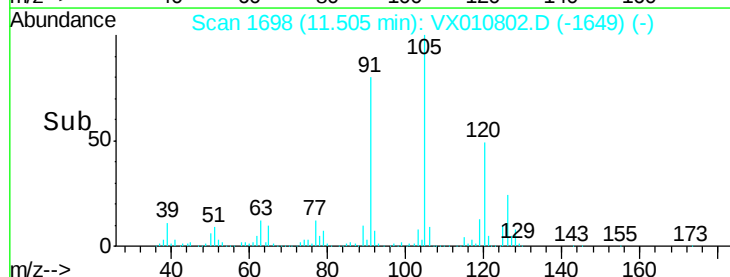
100000

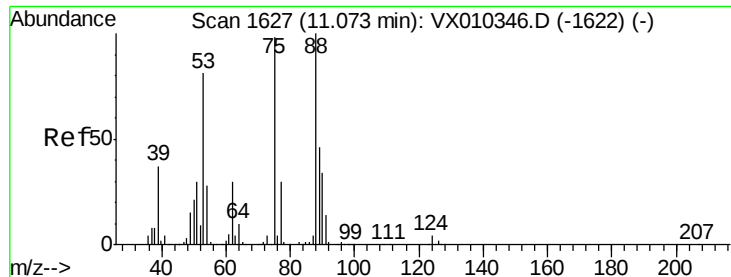
50000

0

11.45 11.50 11.55 11.60

Time-->





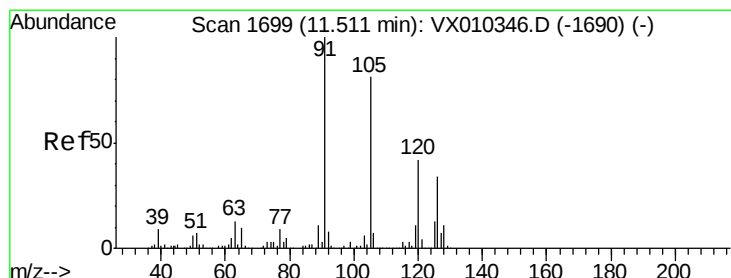
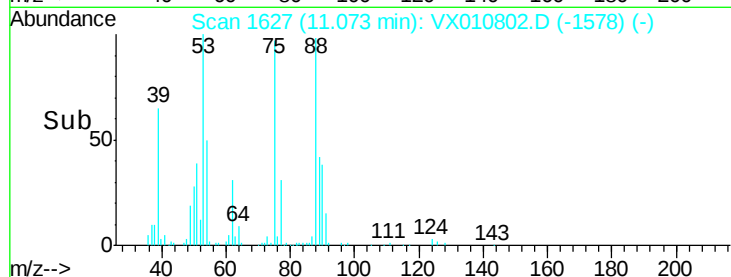
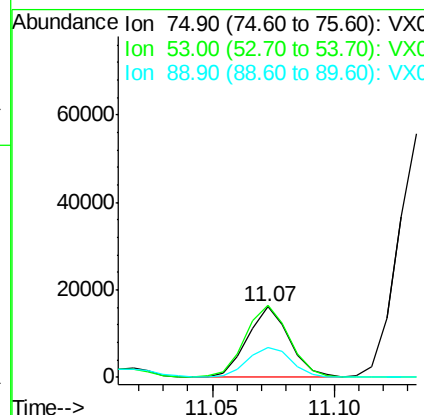
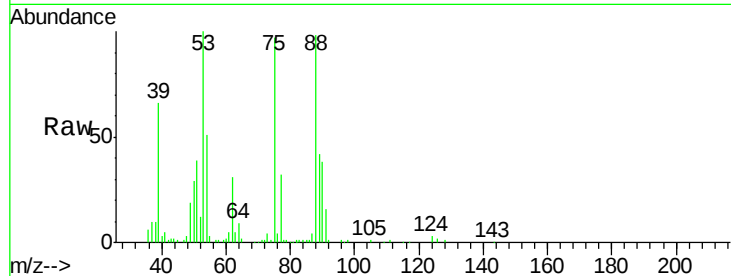
#81
trans-1,4-Dichloro-2-butene
Concen: 14.960 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.5	66.1	99.1#
89	45.0	37.8	56.6

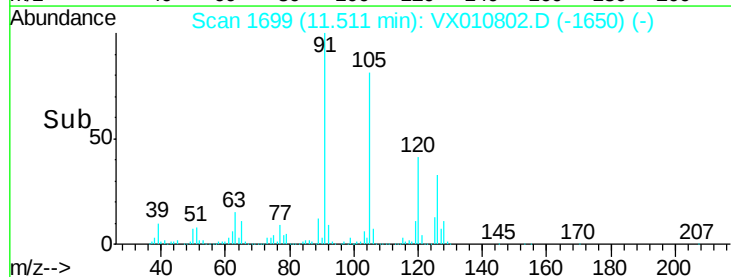
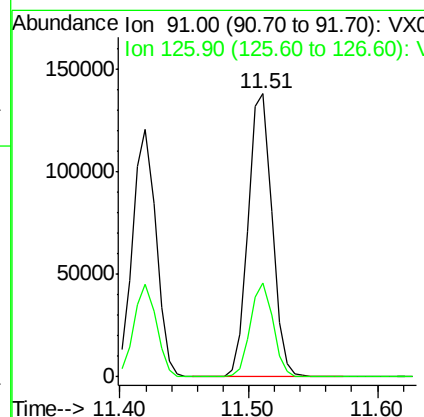
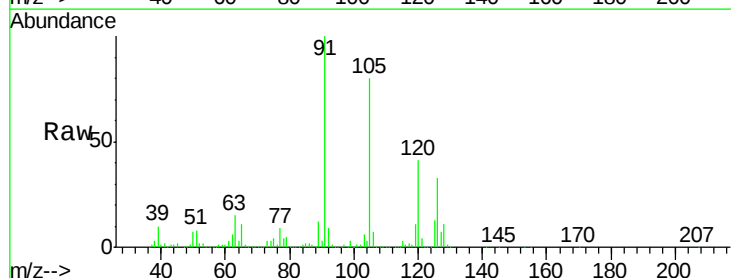
Manual Integrations
APPROVED

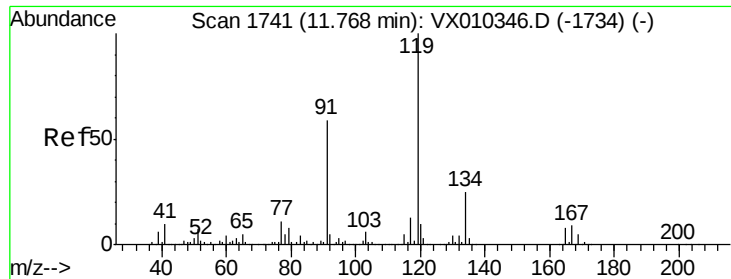
MMDadoda
7/12/2019 12:21:53 PM



#82
4-Chlorotoluene
Concen: 20.929 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.2	48.6





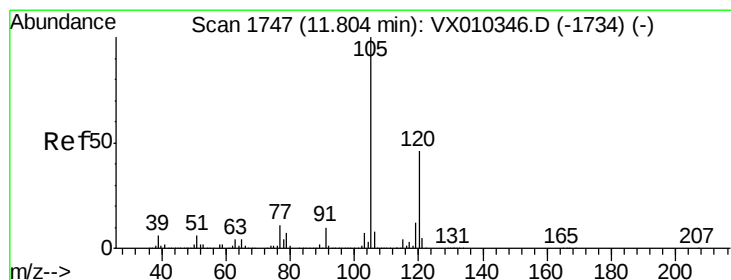
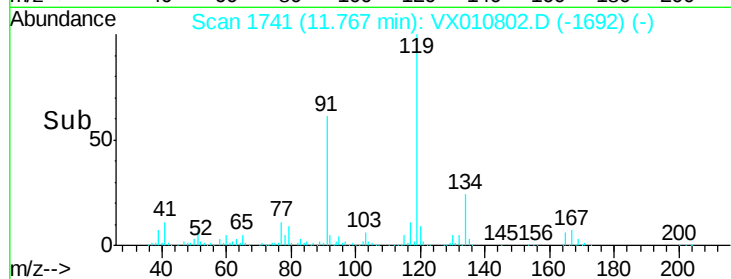
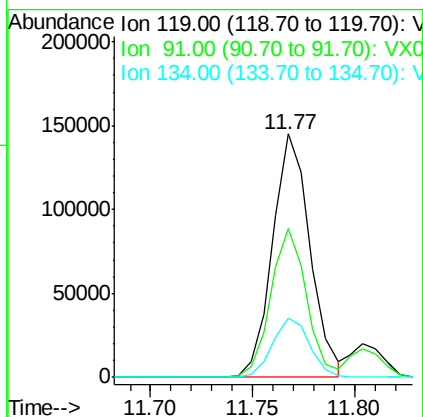
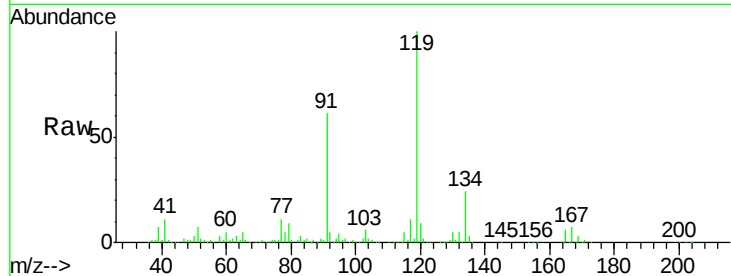
#83
tert-Butylbenzene
Concen: 20.019 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186347		
91	58.2		27.6	82.7
134	24.3		11.8	35.4

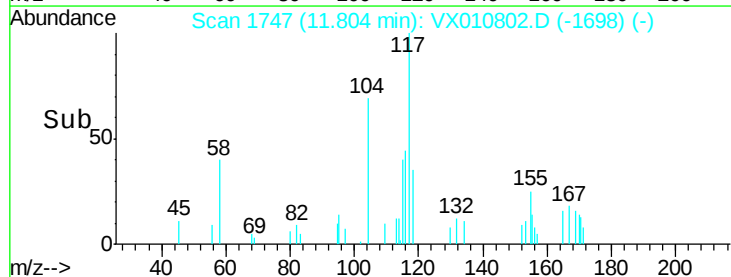
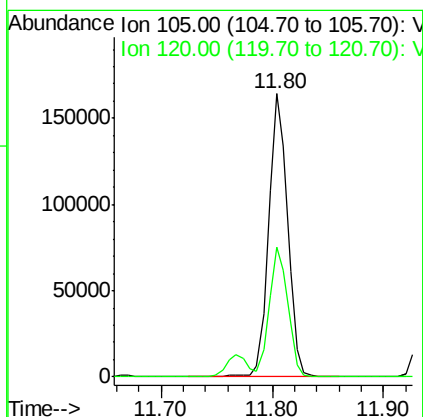
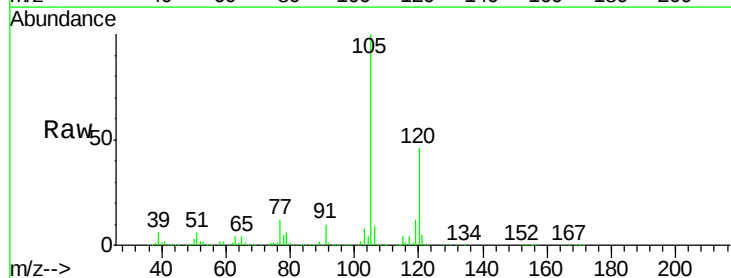
Manual Integrations
APPROVED

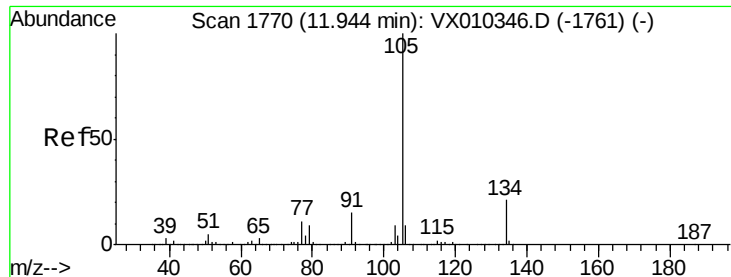
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.897 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	194714		
120	45.1		23.1	69.2





#85

sec-Butylbenzene

Concen: 20.285 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS02

Tot Ion:105 Resp: 221704

Ion Ratio Lower Upper

105 100

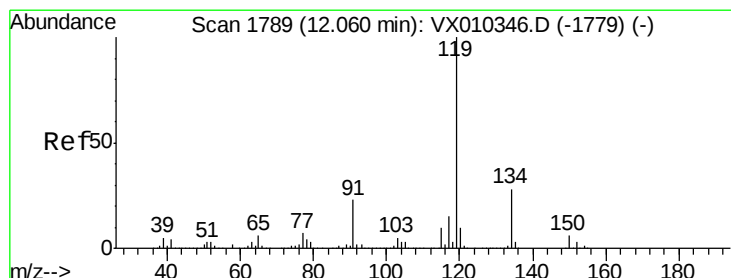
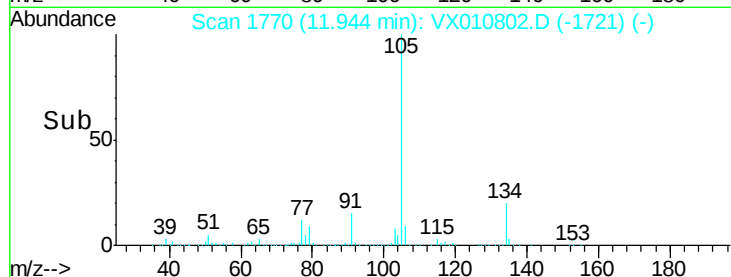
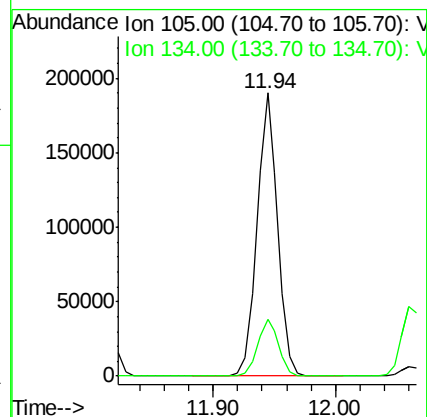
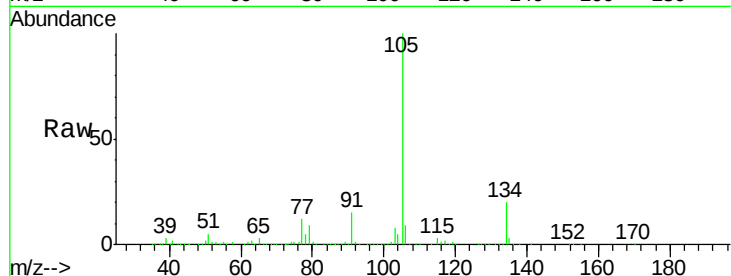
134 20.9 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.704 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

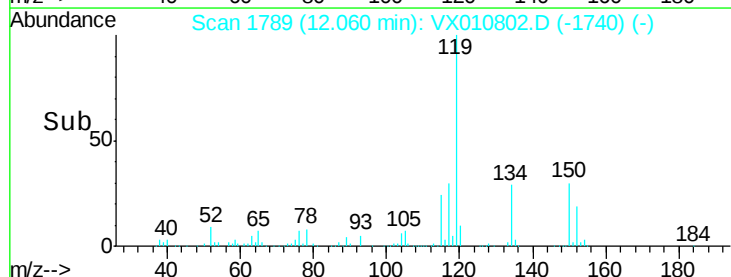
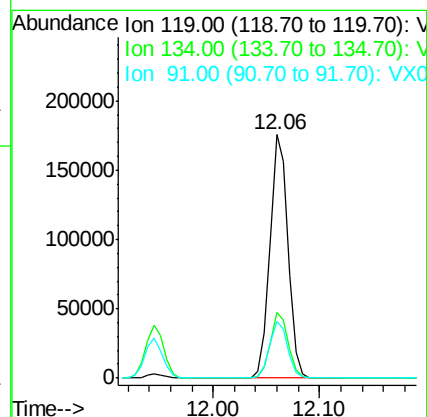
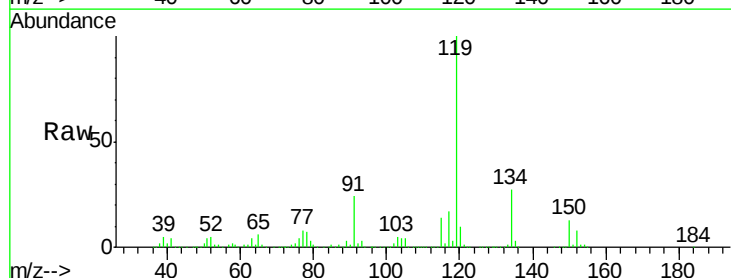
Tgt Ion:119 Resp: 209312

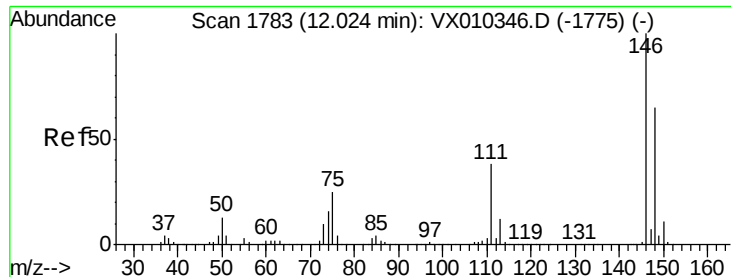
Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.1

91 23.7 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 20.023 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

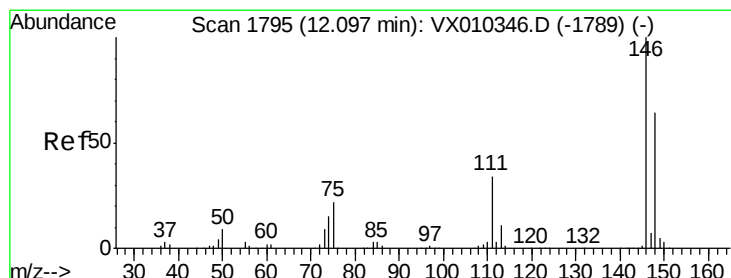
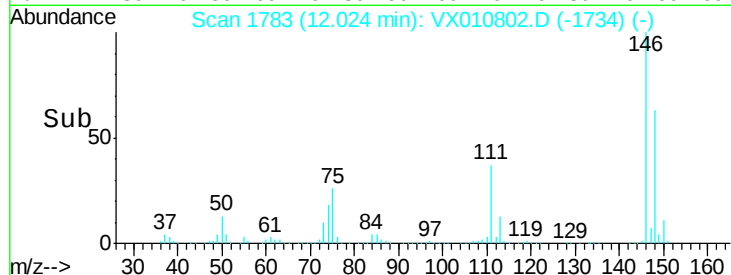
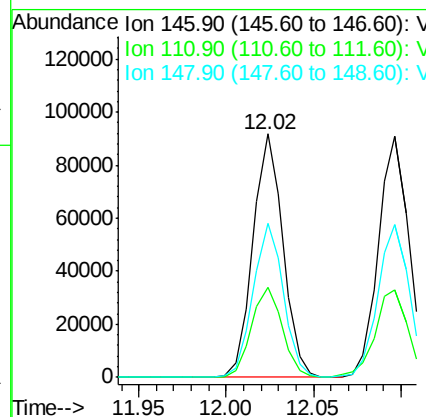
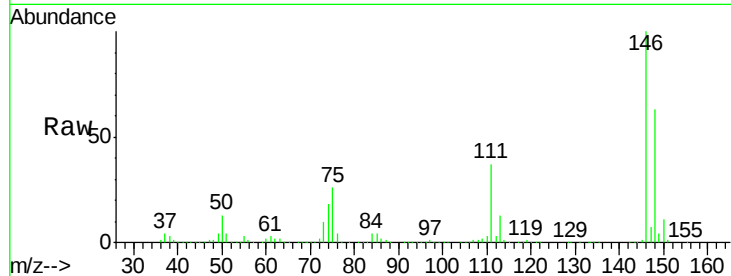
ClientSampleId :

VX0711WBS02

Tot Ion:	146	Resp:	109795
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.1	57.1
148	63.7	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.713 ug/l

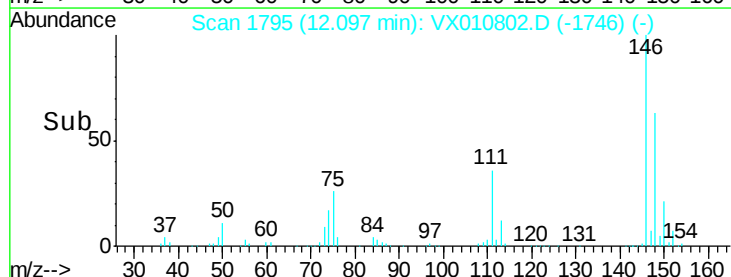
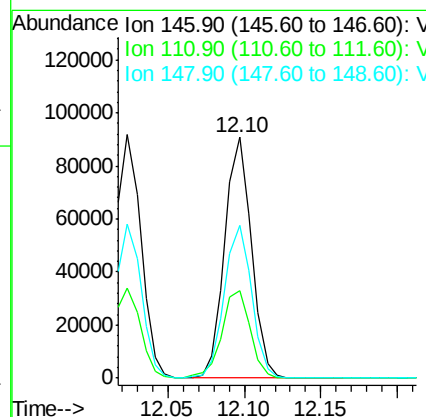
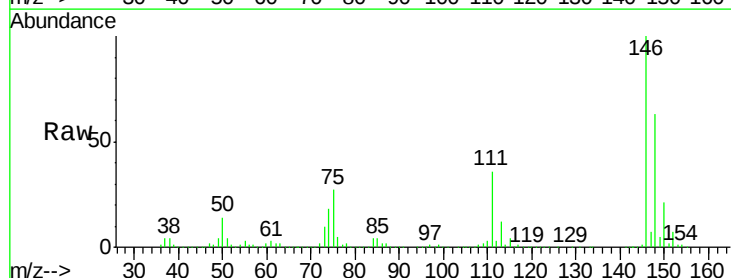
RT: 12.10 min Scan# 1795

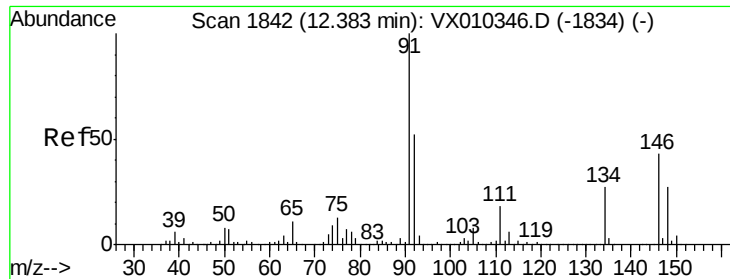
Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Tgt Ion:	146	Resp:	110047
Ion Ratio	Lower	Upper	
146	100		
111	39.1	18.1	54.3
148	65.1	32.1	96.3





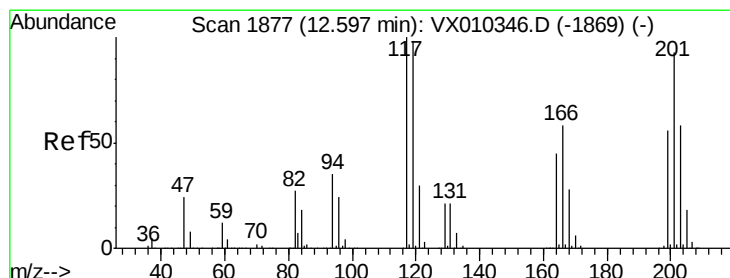
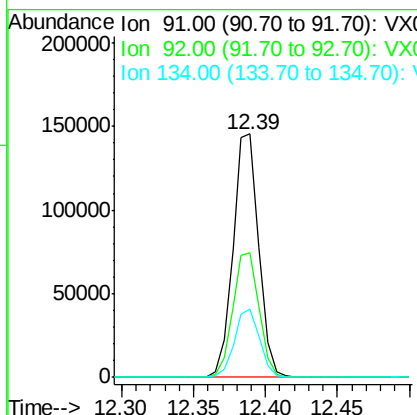
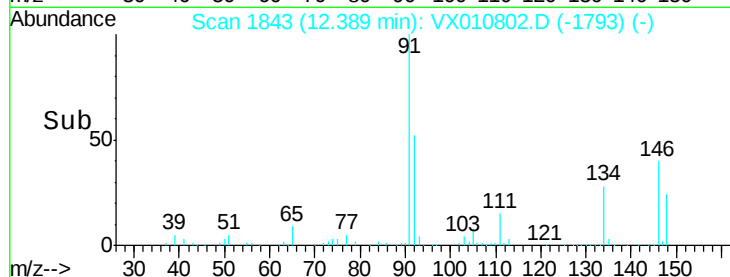
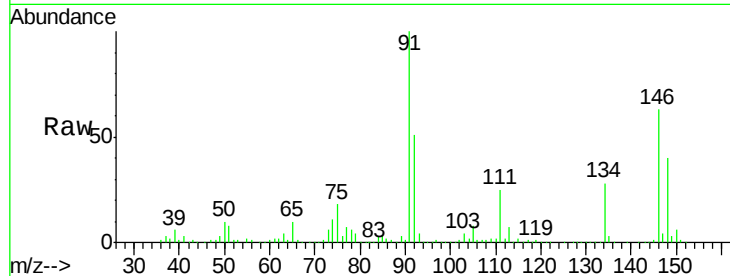
#89
n-Butylbenzene
Concen: 21.139 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	27.8	14.1	42.4

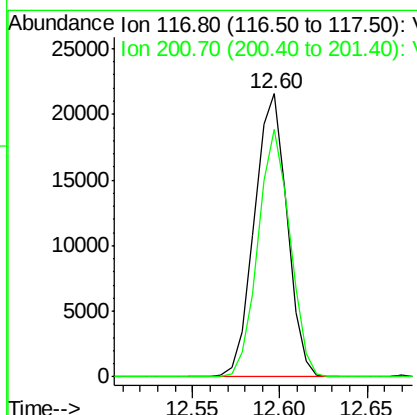
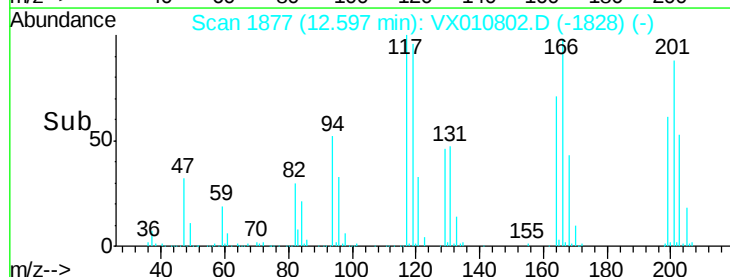
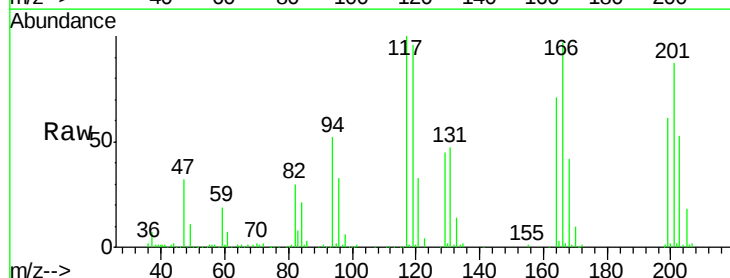
Manual Integrations
APPROVED

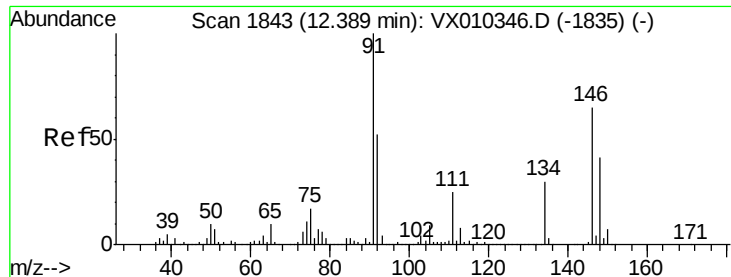
MMDadoda
7/12/2019 12:21:53 PM



#90
Hexachloroethane
Concen: 16.103 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	44.0	131.8





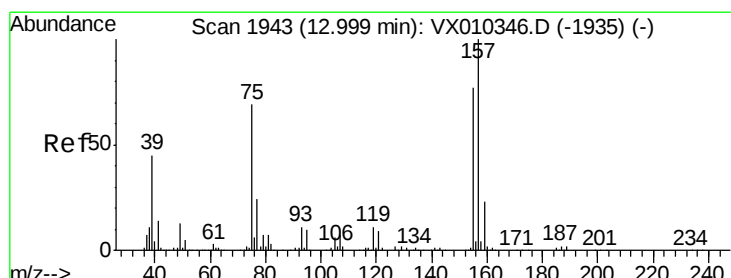
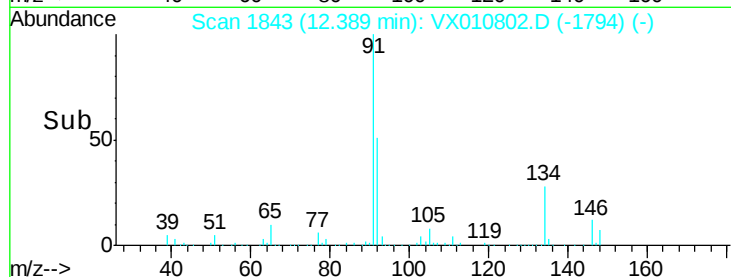
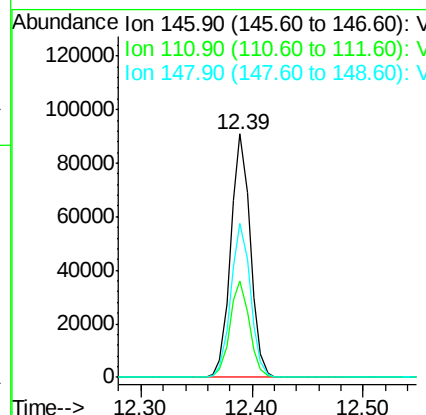
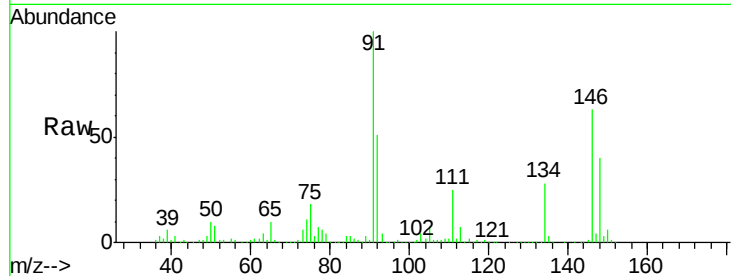
#91
1,2-Dichlorobenzene
Concen: 20.284 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.4	19.2	57.6	
148	63.6	32.0	96.0	

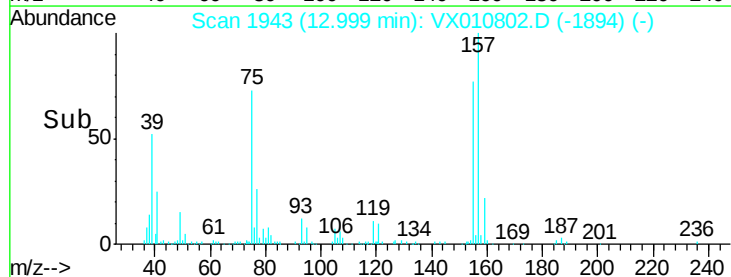
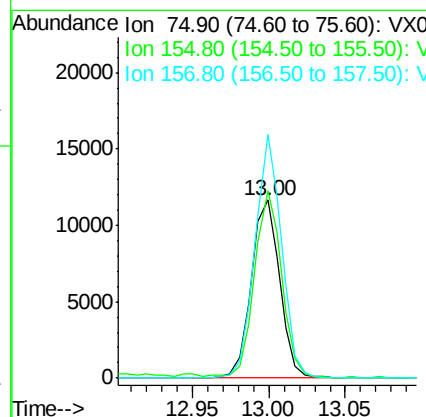
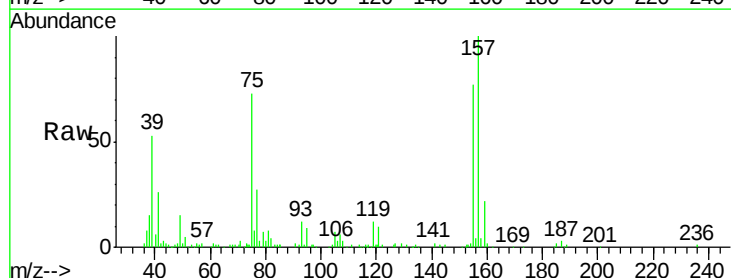
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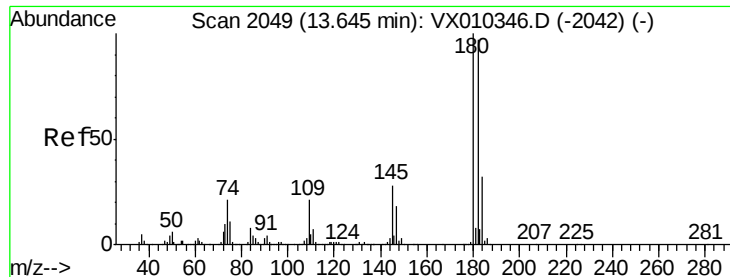
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#92
1,2-Dibromo-3-Chloropropane
Concen: 18.728 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX010802.D
Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	100.9	54.4	163.1	
157	128.0	69.5	208.3	





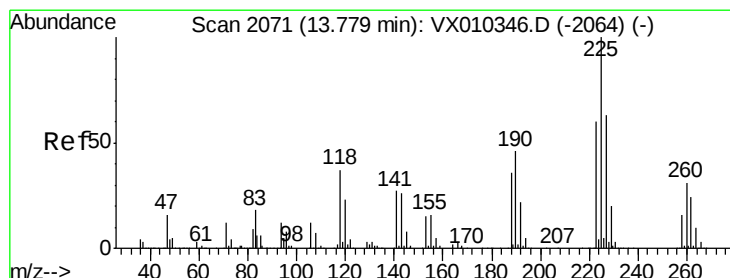
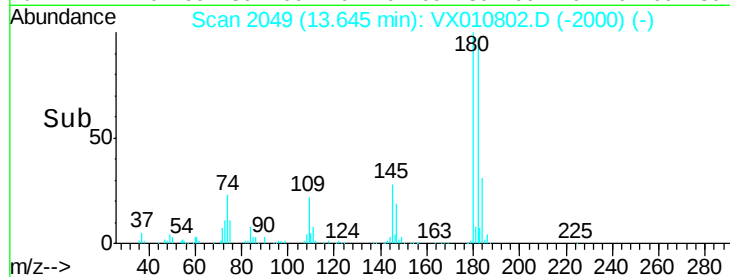
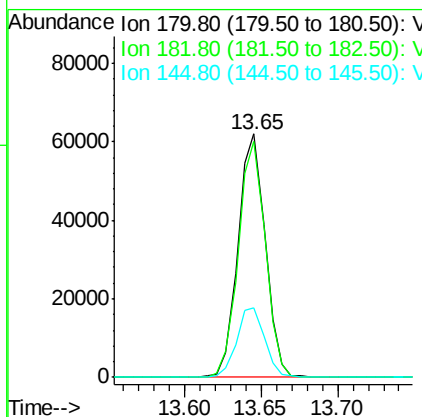
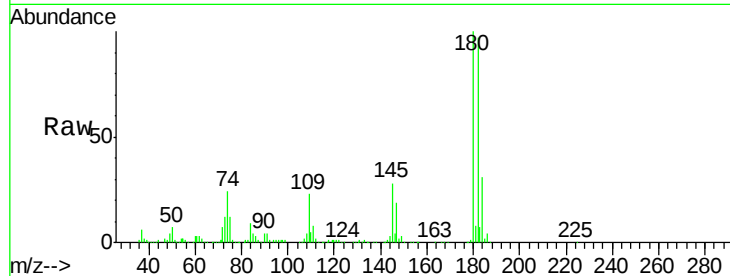
#93
 1,2,4-Trichlorobenzene
 Concen: 20.201 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	76347		
182	96.5	48.0	144.0	
145	29.5	14.4	43.4	

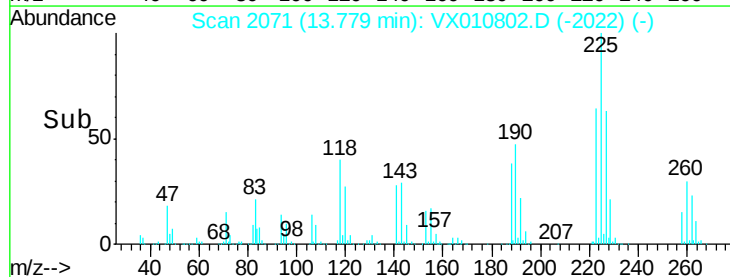
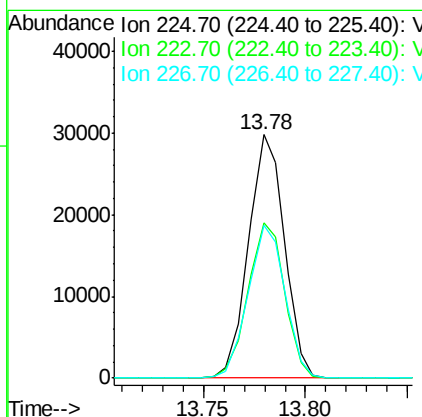
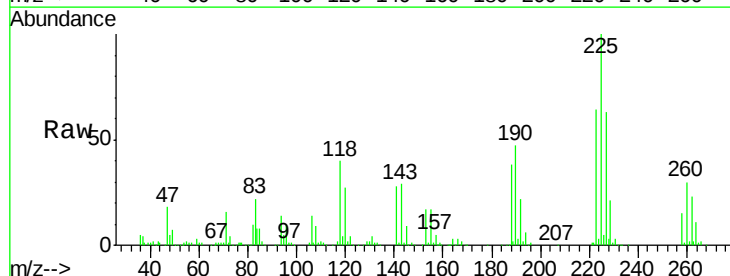
Manual Integrations
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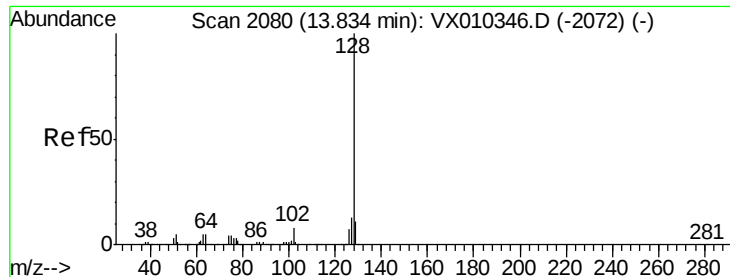
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 7/12/2019 12:21:53 PM



#94
 Hexachlorobutadiene
 Concen: 19.792 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010802.D
 Acq: 11 Jul 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36559		
223	65.2	30.9	92.7	
227	64.3	31.9	95.5	





#95

Naphthalene

Concen: 20.852 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Instrument :

MSVOA_X

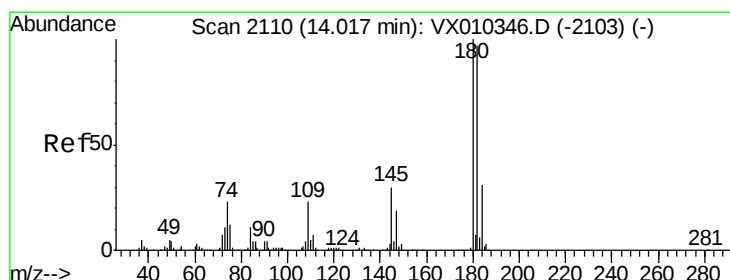
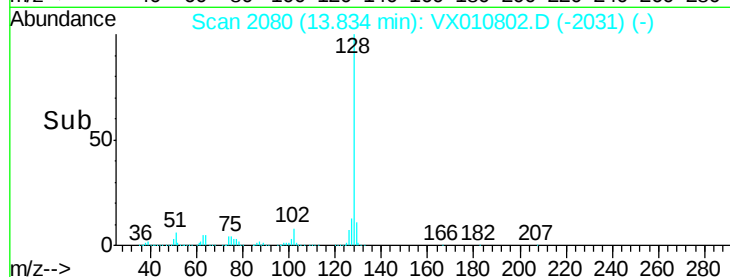
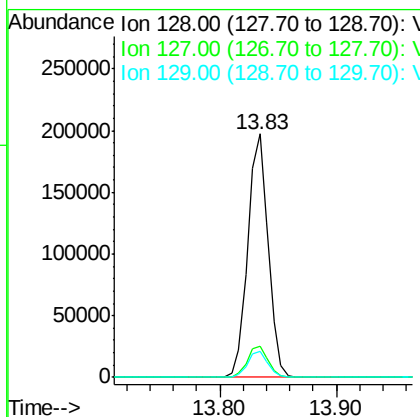
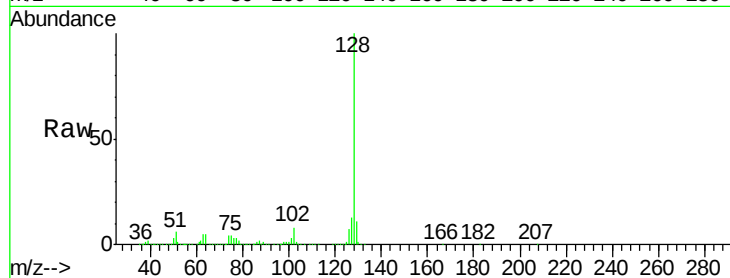
ClientSampleId :

VX0711WBS02

Tot Ion:	128	Resp:	242184
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

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7/12/2019 12:21:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.212 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010802.D

Acq: 11 Jul 2019 13:16

Tgt Ion:	180	Resp:	75952
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.8	143.3
145	32.2	15.2	45.6

