

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012120\
 Data File : VX014678.D
 Acq On : 21 Jan 2020 16:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 22 04:24:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	439787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	664658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	611314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	309495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	243196	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	5.49	113	200168	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.71	98	771500	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.13	95	275228	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	250032	45.814	ug/l	100
3) Chloromethane	1.32	50	261628	46.670	ug/l	100
4) Vinyl Chloride	1.40	62	300471	48.100	ug/l	97
5) Bromomethane	1.63	94	188971	45.637	ug/l	96
6) Chloroethane	1.72	64	168732	49.558	ug/l	99
7) Trichlorofluoromethane	1.92	101	338338	47.746	ug/l	100
8) Diethyl Ether	2.18	74	148035	45.791	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	202301	46.925	ug/l	99
10) Methyl Iodide	2.50	142	274480	53.171	ug/l	100
11) Tert butyl alcohol	3.03	59	238780	232.934	ug/l	98
12) 1,1-Dichloroethene	2.37	96	198936	45.800	ug/l	99
13) Acrolein	2.28	56	196609	239.288	ug/l	97
14) Allyl chloride	2.72	41	367757	48.225	ug/l	99
15) Acrylonitrile	3.13	53	629425	254.405	ug/l	100
16) Acetone	2.43	43	662096	269.288	ug/l	100
17) Carbon Disulfide	2.56	76	501460	41.376	ug/l	99
18) Methyl Acetate	2.76	43	388374	55.039	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	687696	49.320	ug/l	99
20) Methylene Chloride	2.85	84	234793	47.539	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	211482	44.598	ug/l	94
22) Diisopropyl ether	3.84	45	761301	51.658	ug/l	98
23) Vinyl Acetate	3.80	43	2800703	245.464	ug/l	100
24) 1,1-Dichloroethane	3.69	63	402886	50.254	ug/l	100
25) 2-Butanone	4.65	43	934458	254.809	ug/l	99
26) 2,2-Dichloropropane	4.57	77	322634	47.507	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	250612	47.276	ug/l	99
28) Bromochloromethane	5.00	49	159194	47.125	ug/l	94
29) Tetrahydrofuran	5.11	42	568504	262.196	ug/l	98
30) Chloroform	5.20	83	396095	50.561	ug/l	96
31) Cyclohexane	5.57	56	362456	48.301	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	335470	50.027	ug/l	98
36) 1,1-Dichloropropene	5.79	75	297482	47.593	ug/l	99
37) Ethyl Acetate	4.81	43	341535	50.305	ug/l	99
38) Carbon Tetrachloride	5.78	117	284758	49.507	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	363313	46.266	ug/l	98
40) Benzene	6.14	78	902380	48.642	ug/l	99
41) Methacrylonitrile	5.03	41	191255	52.824	ug/l	98
42) 1,2-Dichloroethane	6.18	62	318556	49.112	ug/l	99
43) Isopropyl Acetate	6.43	43	560924	51.143	ug/l	98
44) Trichloroethene	7.21	130	249652	46.828	ug/l	99
45) 1,2-Dichloropropane	7.51	63	240161	50.778	ug/l	98
46) Dibromomethane	7.65	93	153883	46.615	ug/l	98
47) Bromodichloromethane	7.89	83	307427	51.180	ug/l	99
48) Methyl methacrylate	7.76	41	276010	52.544	ug/l	98
49) 1,4-Dioxane	7.73	88	100849	906.064	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1767813	264.508	ug/l	99
52) Toluene	8.78	92	569213	47.932	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	342660	48.999	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	382217	50.596	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	237370	49.764	ug/l	99
56) Ethyl methacrylate	9.17	69	376258	51.487	ug/l	99
57) 1,3-Dichloropropane	9.37	76	400658	50.237	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	642895	258.570	ug/l	98
59) 2-Hexanone	9.48	43	1371937	259.434	ug/l	99
60) Dibromochloromethane	9.58	129	251771	52.514	ug/l	99
61) 1,2-Dibromoethane	9.67	107	248383	49.158	ug/l	98
64) Tetrachloroethene	9.33	164	295813	48.282	ug/l	98
65) Chlorobenzene	10.14	112	620479	46.771	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	232457	49.099	ug/l	99
67) Ethyl Benzene	10.24	91	1090803	48.240	ug/l	100
68) m/p-Xylenes	10.35	106	837998	96.061	ug/l	98
69) o-Xylene	10.70	106	400185	48.080	ug/l	99
70) Styrene	10.71	104	695895	48.447	ug/l	99
71) Bromoform	10.85	173	191230	49.368	ug/l #	100
73) Isopropylbenzene	11.01	105	1083360	49.848	ug/l	100
74) N-amyl acetate	10.89	43	485214	50.604	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	352520	50.579	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	421158	65.770	ug/l	79
77) Bromobenzene	11.25	156	278464	46.202	ug/l	98
78) n-propylbenzene	11.35	91	1227606	49.321	ug/l	99
79) 2-Chlorotoluene	11.42	91	721027	48.606	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	900772	49.922	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	120437	49.725	ug/l	96
82) 4-Chlorotoluene	11.51	91	832585	47.815	ug/l	99
83) tert-Butylbenzene	11.76	119	826396	48.472	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	906622	49.726	ug/l	100
85) sec-Butylbenzene	11.94	105	1055189	49.787	ug/l	98
86) p-Isopropyltoluene	12.06	119	961035	48.865	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	494894	45.753	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	491637	48.361	ug/l	99
89) n-Butylbenzene	12.38	91	845337	47.009	ug/l	99
90) Hexachloroethane	12.59	117	169327	49.014	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	502728	47.438	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	76813	48.995	ug/l	98

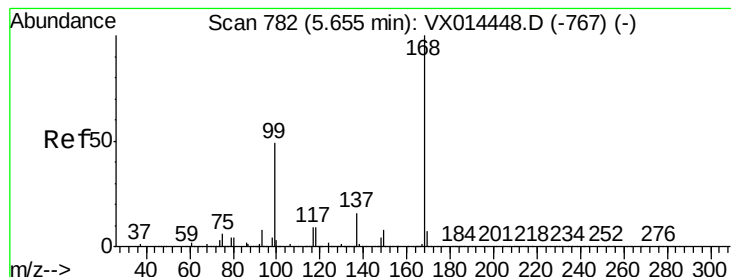
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012120\
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Quant Time: Jan 22 04:24:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	338144	45.453	ug/l	98
94) Hexachlorobutadiene	13.77	225	166013	47.660	ug/l	98
95) Naphthalene	13.83	128	1025294	44.413	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	339367	46.473	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

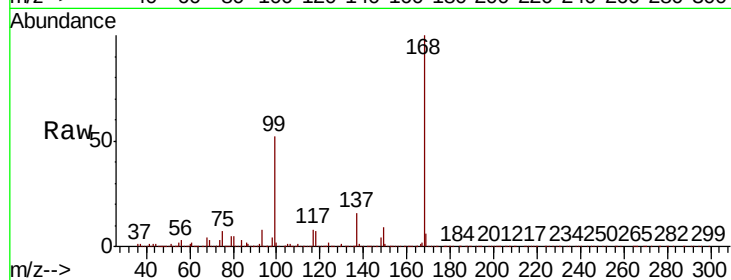
ClientSampleId :

Tot Ion:168 Resp: 439787

Ion Ratio Lower Upper

168 100

99 51.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

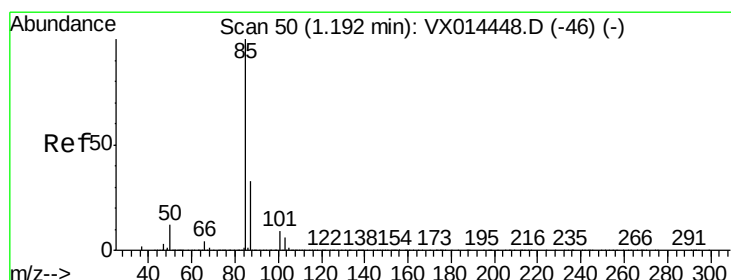
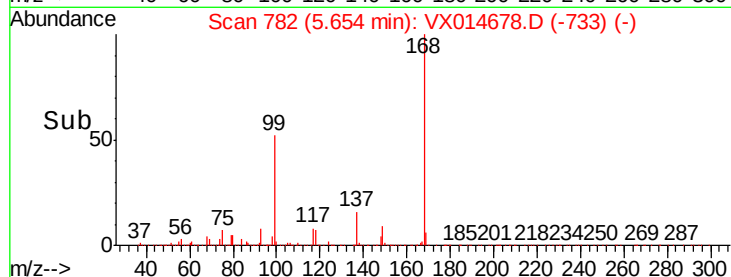
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.814 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014678.D

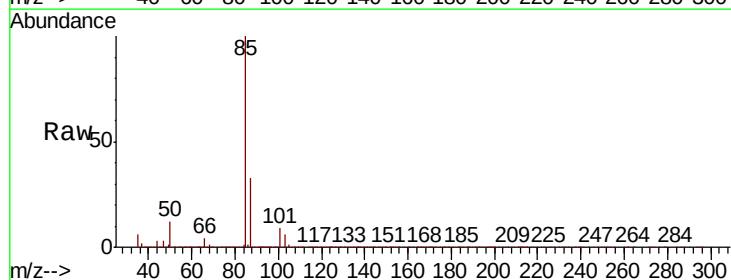
Acq: 21 Jan 2020 16:40

Tgt Ion: 85 Resp: 250032

Ion Ratio Lower Upper

85 100

87 33.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

300000

250000

200000

150000

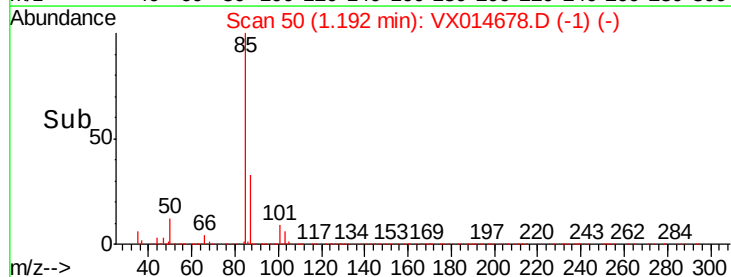
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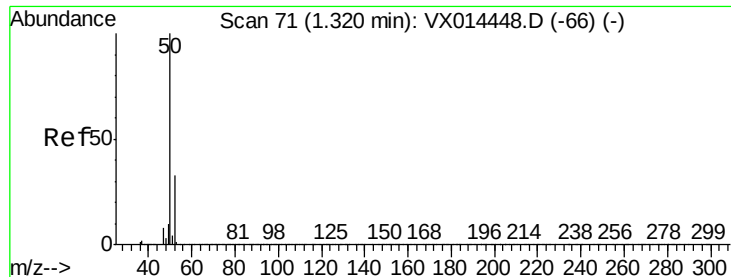
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1.10 1.15 1.20 1.25 1.30

Time-->

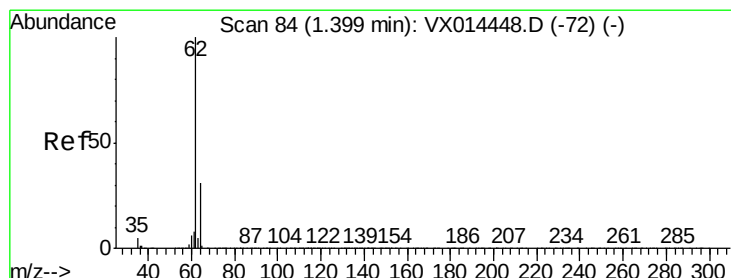
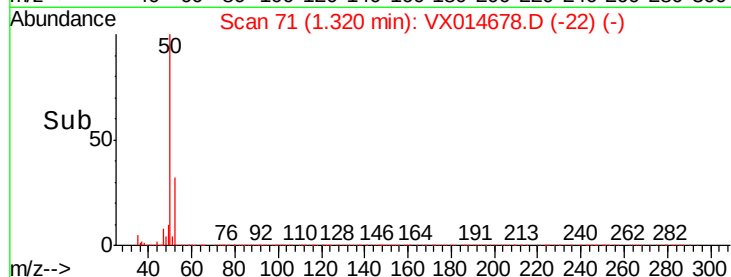
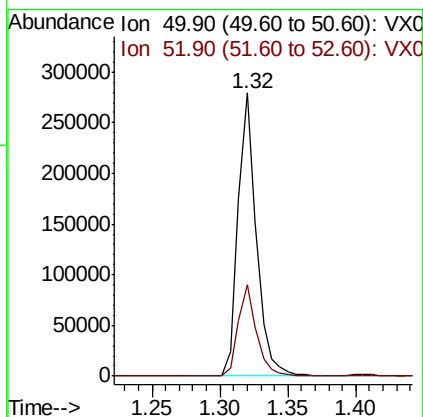
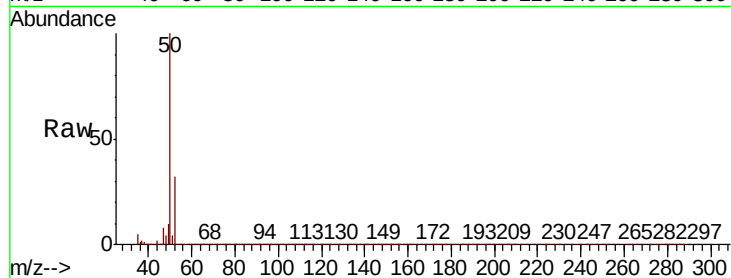




#3
Chloromethane
Concen: 46.670 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

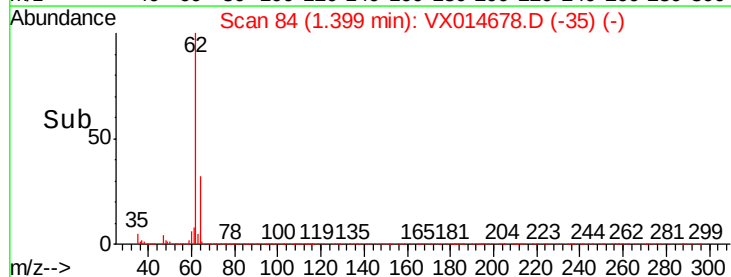
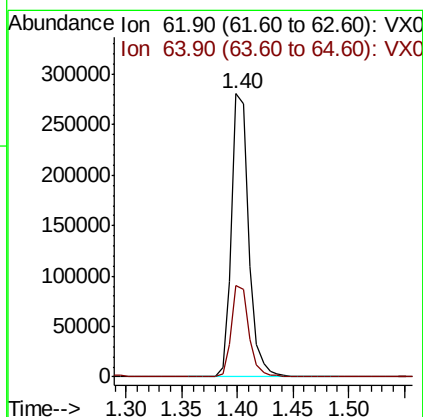
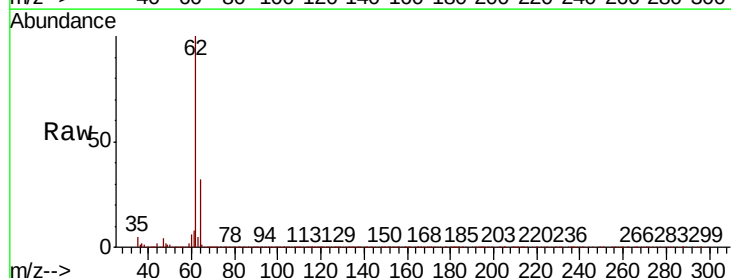
Instrument :
MSVOA_X
ClientSampled :

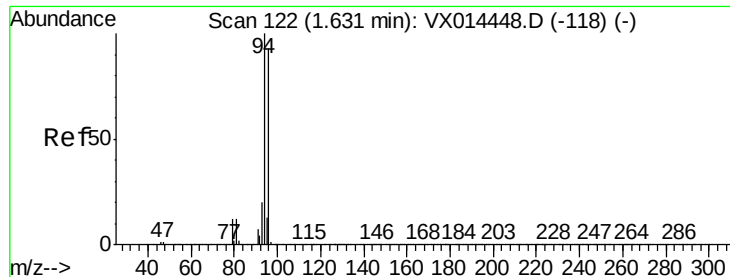
Tot Ion: 50 Resp: 261628
Ion Ratio Lower Upper
50 100
52 32.4 26.1 39.1



#4
Vinyl Chloride
Concen: 48.100 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion: 62 Resp: 300471
Ion Ratio Lower Upper
62 100
64 32.4 24.6 37.0





#5

Bromomethane

Concen: 45.637 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

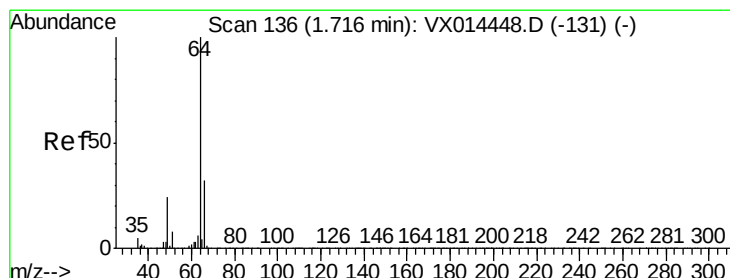
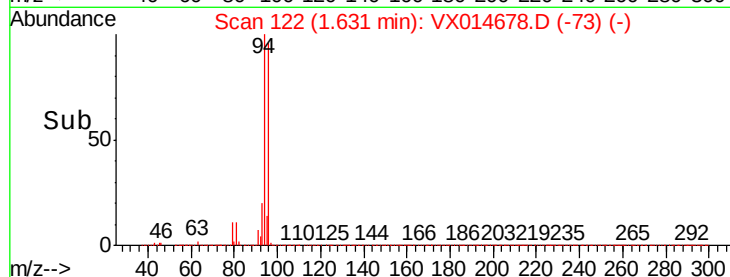
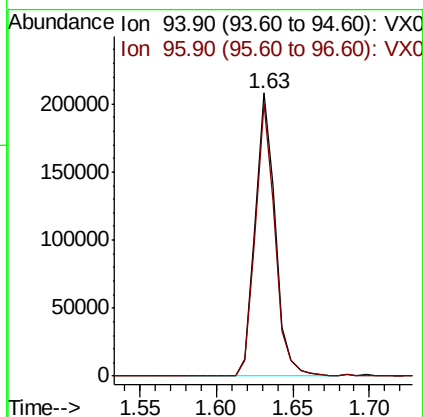
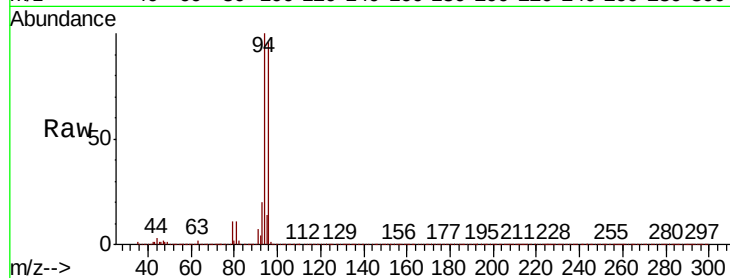
ClientSampleId :

Tot Ion: 94 Resp: 188971

Ion Ratio Lower Upper

94 100

96 96.2 74.2 111.2



#6

Chloroethane

Concen: 49.558 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX014678.D

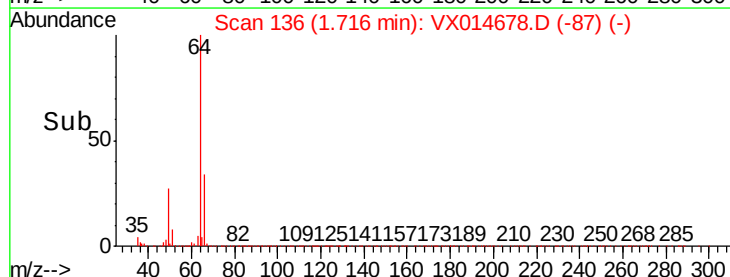
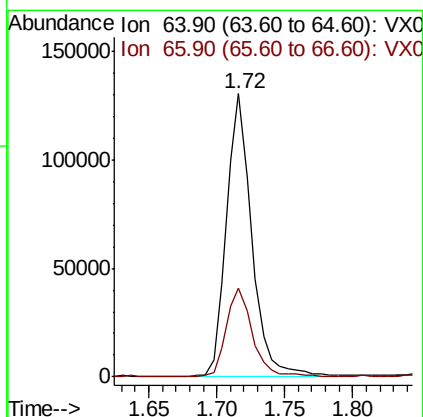
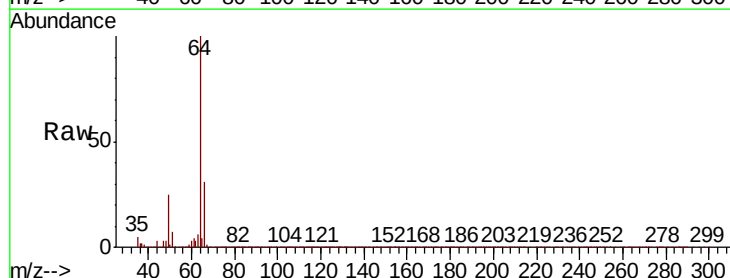
Acq: 21 Jan 2020 16:40

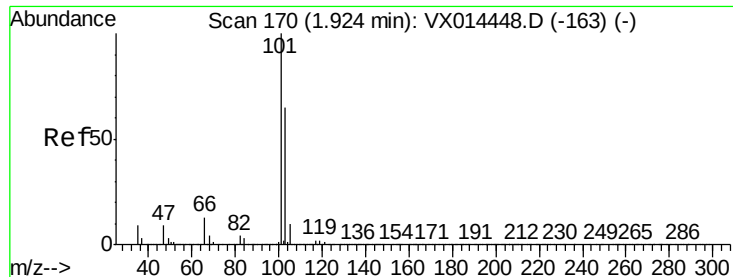
Tgt Ion: 64 Resp: 168732

Ion Ratio Lower Upper

64 100

66 31.0 25.3 37.9



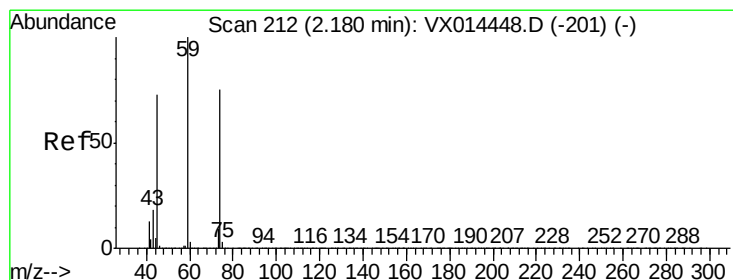
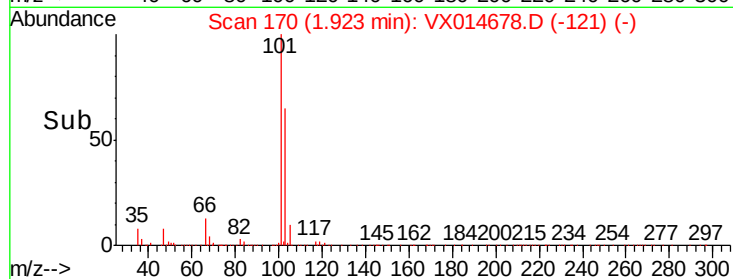
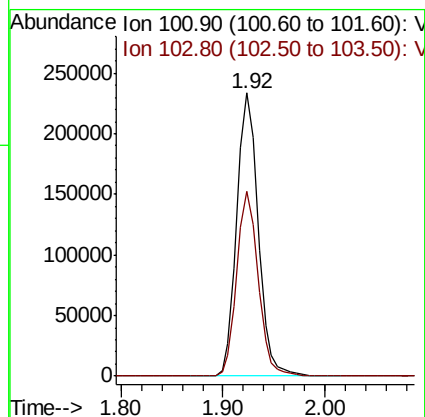
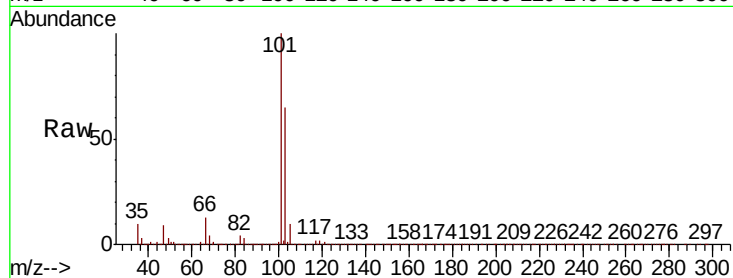


#7

Trichlorofluoromethane
Concen: 47.746 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :

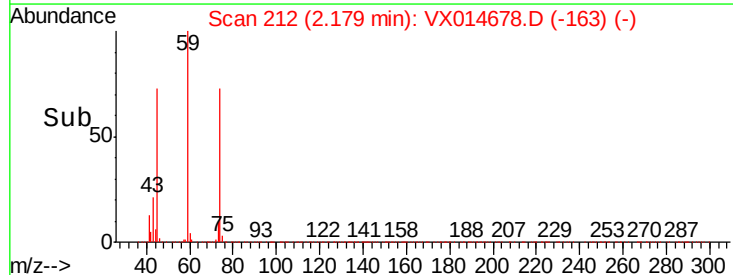
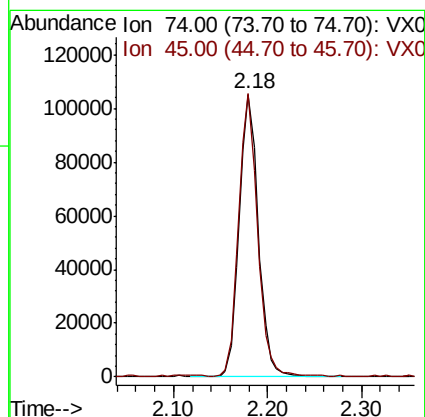
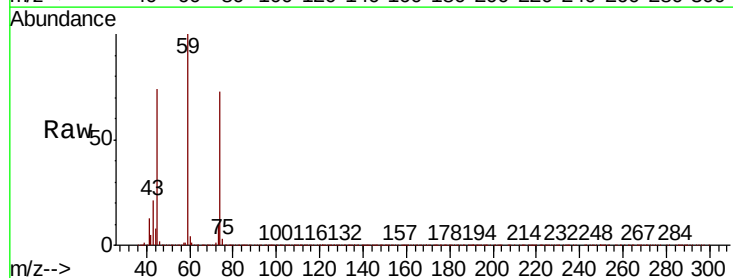
Tot Ion:101 Resp: 338338
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.4

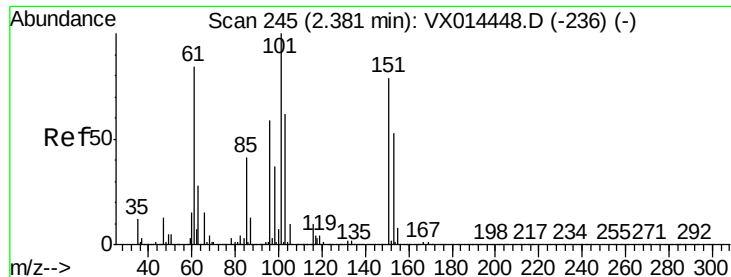


#8

Diethyl Ether
Concen: 45.791 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion: 74 Resp: 148035
Ion Ratio Lower Upper
74 100
45 99.1 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.925 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

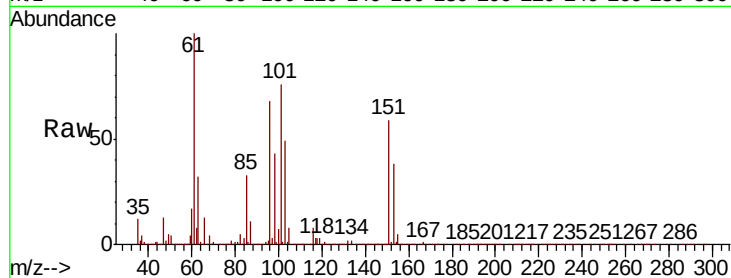
Tot Ion:101 Resp: 202301

Ion Ratio Lower Upper

101 100

85 42.9 33.8 50.8

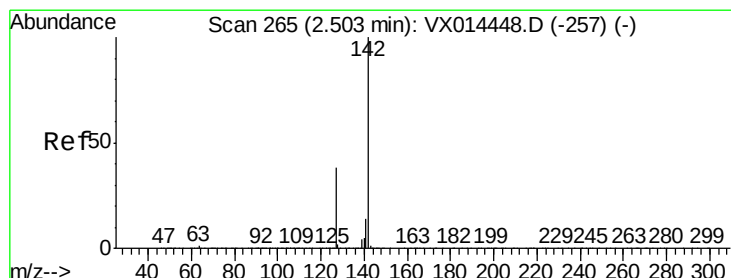
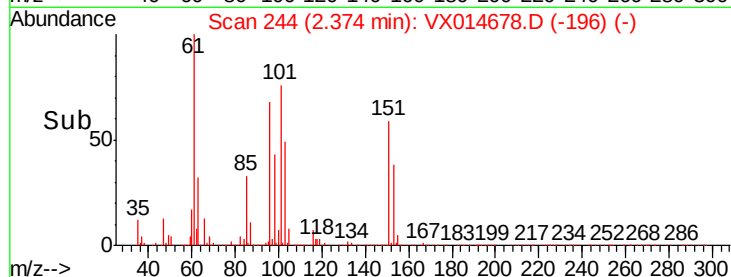
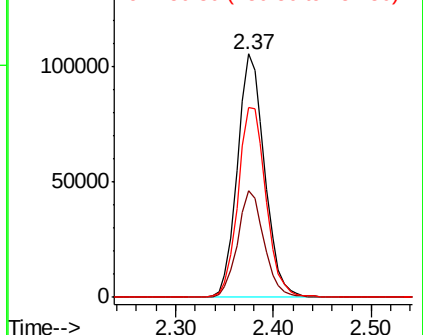
151 80.7 65.3 97.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.171 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

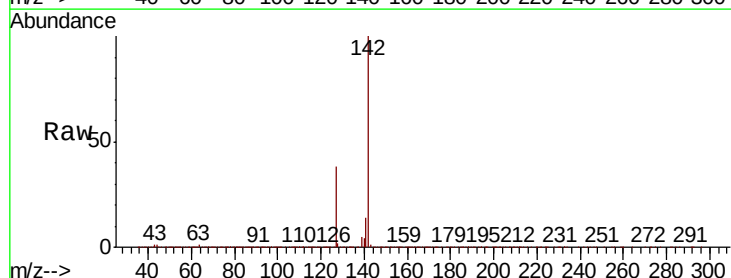
Tgt Ion:142 Resp: 274480

Ion Ratio Lower Upper

142 100

127 38.7 31.2 46.8

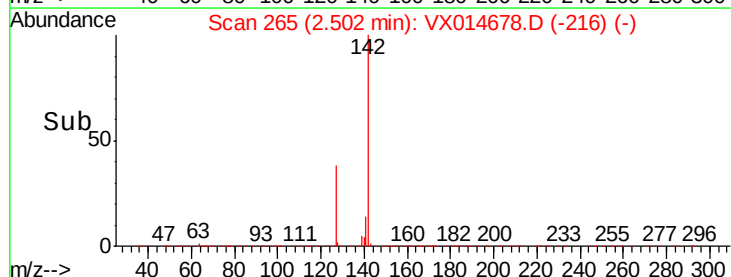
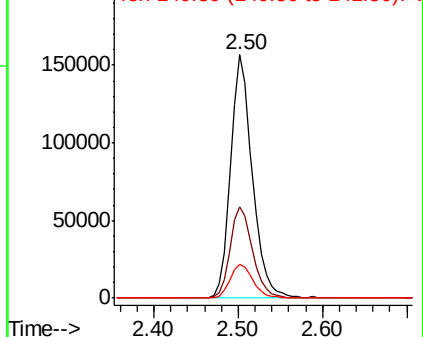
141 14.5 11.4 17.2

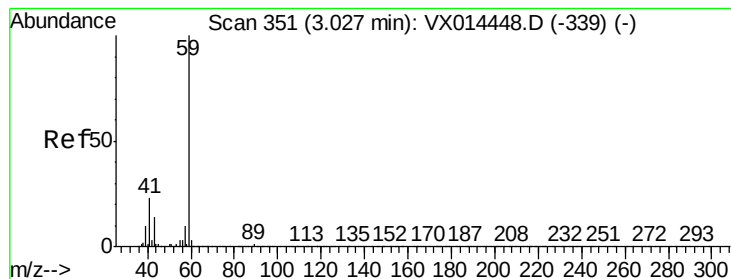


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



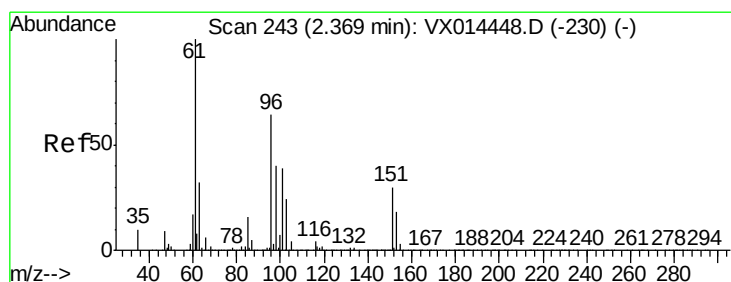
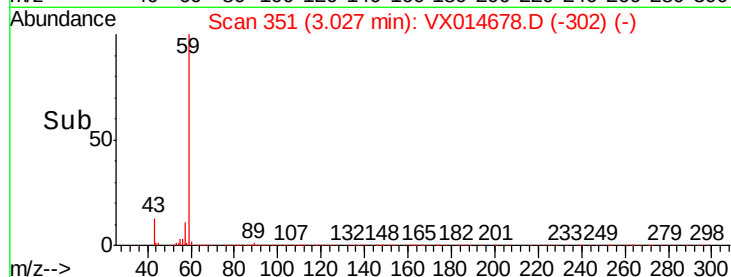
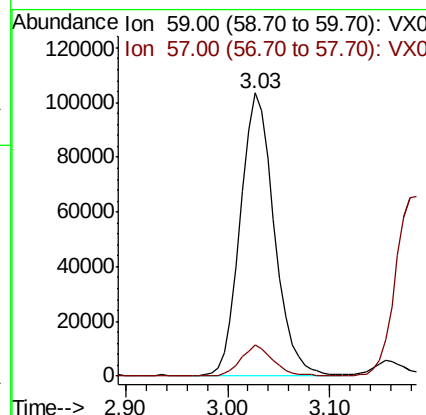
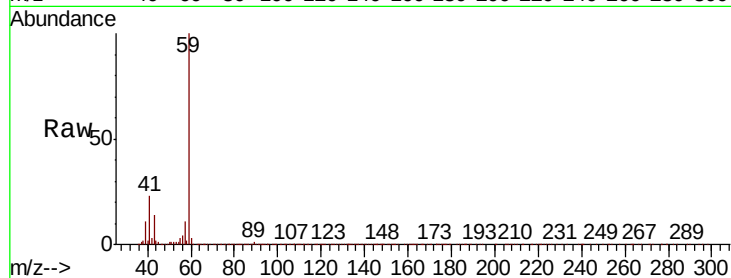


#11

Tert butyl alcohol
 Concen: 232.934 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

Instrument :
 MSVOA_X
 ClientSampleId :

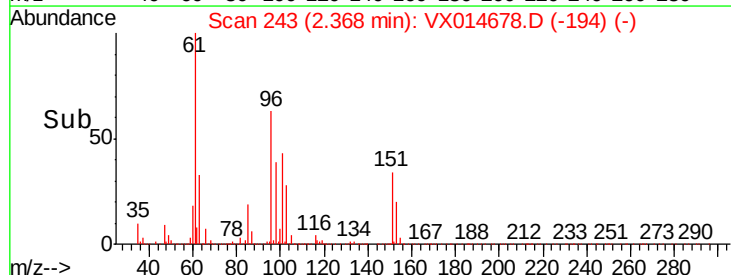
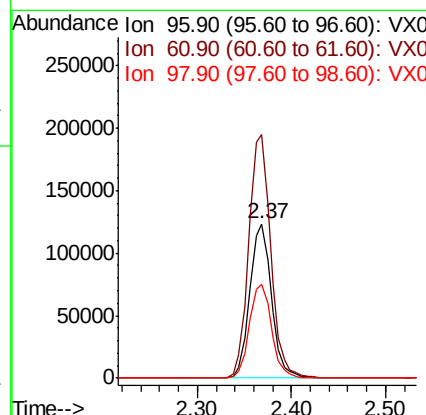
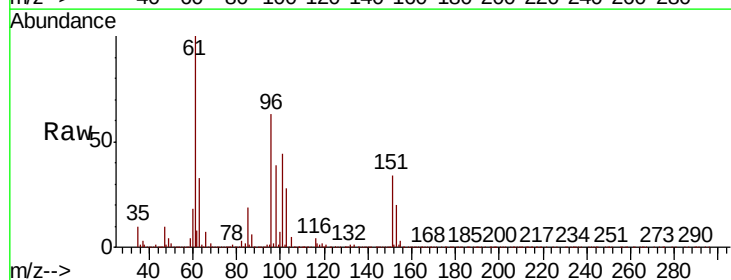
Tot Ion: 59 Resp: 238780
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.5 12.7

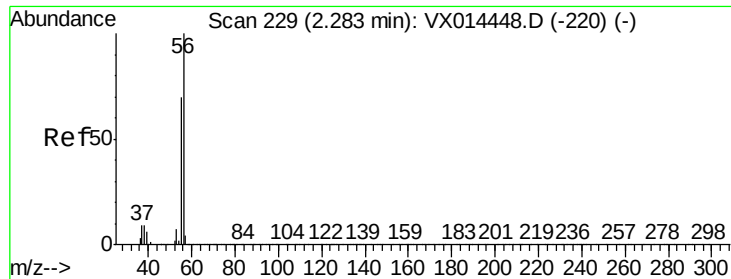


#12

1,1-Dichloroethene
 Concen: 45.800 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

Tgt Ion: 96 Resp: 198936
 Ion Ratio Lower Upper
 96 100
 61 157.5 125.0 187.6
 98 61.0 50.2 75.2

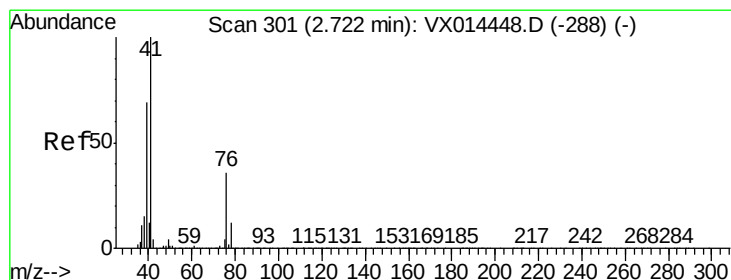
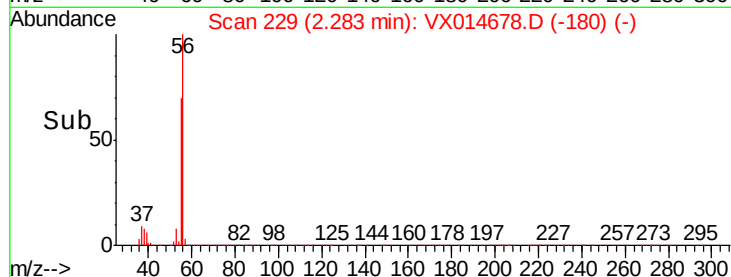
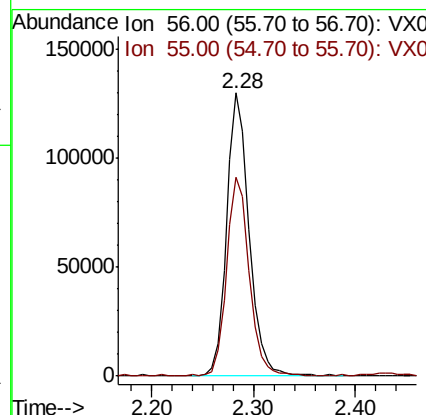
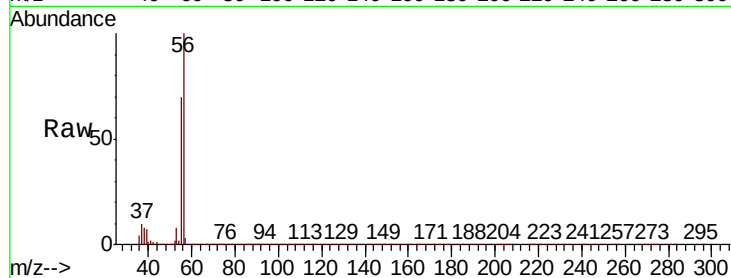




#13
Acrolein
Concen: 239.288 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

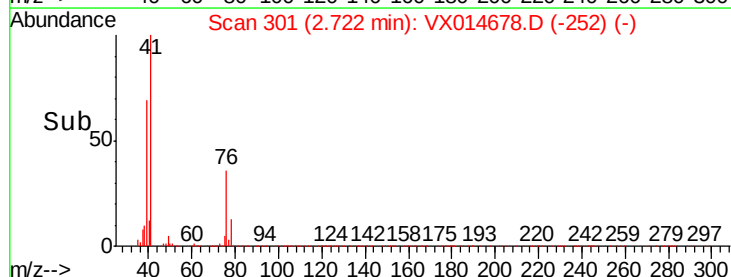
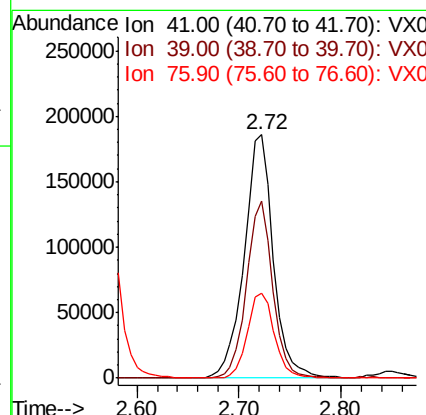
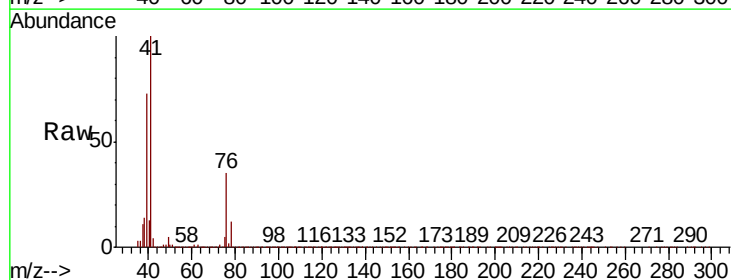
Instrument :
MSVOA_X
ClientSampled :

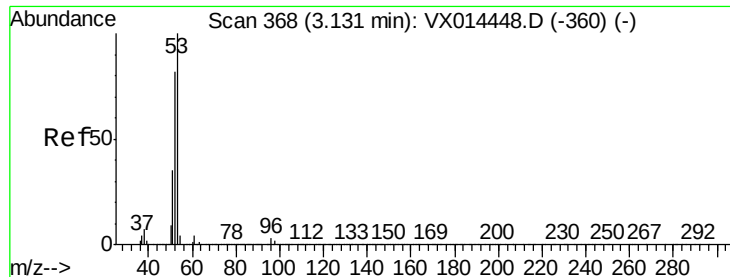
Tot Ion: 56 Resp: 196609
Ion Ratio Lower Upper
56 100
55 71.1 55.0 82.6



#14
Allyl chloride
Concen: 48.225 ug/l
RT: 2.72 min Scan# 301
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion: 41 Resp: 367757
Ion Ratio Lower Upper
41 100
39 65.3 51.7 77.5
76 32.9 26.8 40.2





#15

Acrylonitrile

Concen: 254.405 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

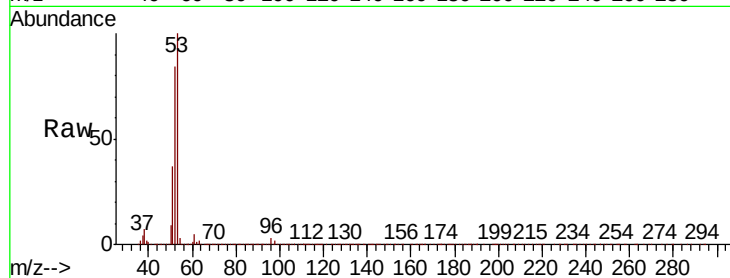
Tot Ion: 53 Resp: 629425

Ion Ratio Lower Upper

53 100

52 83.5 67.0 100.4

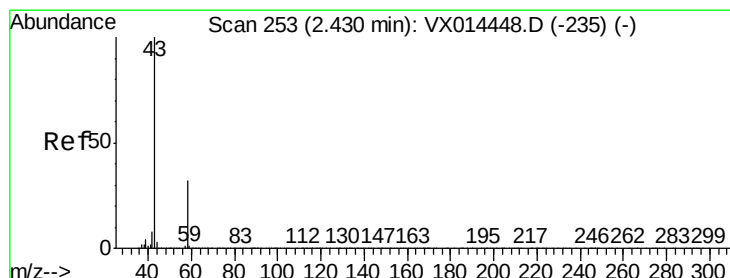
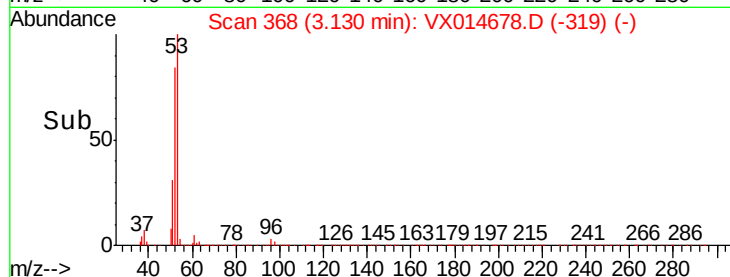
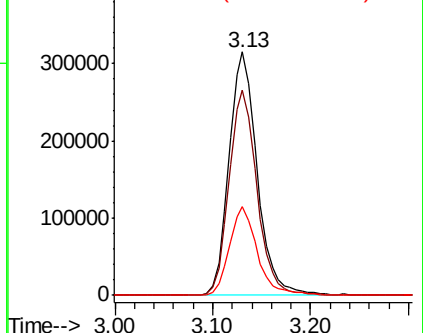
51 35.9 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 269.288 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014678.D

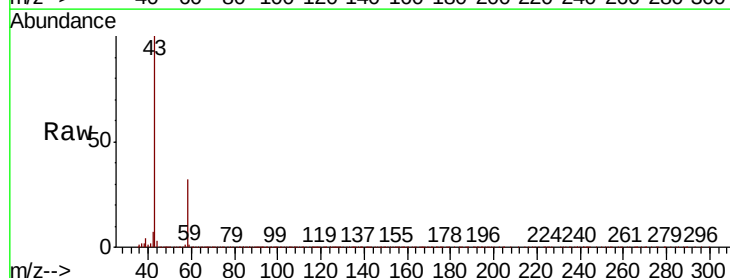
Acq: 21 Jan 2020 16:40

Tgt Ion: 43 Resp: 662096

Ion Ratio Lower Upper

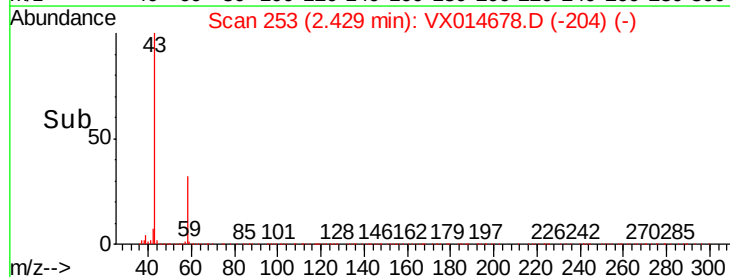
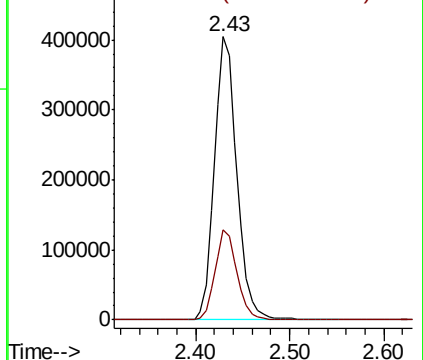
43 100

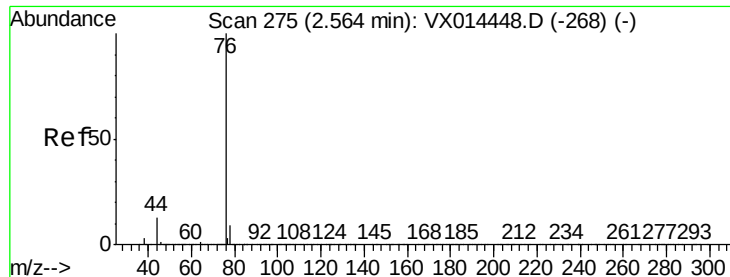
58 31.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 41.376 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

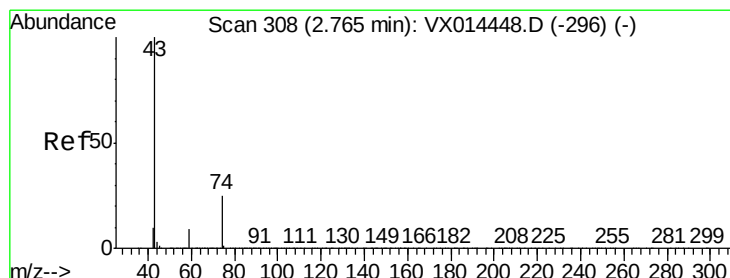
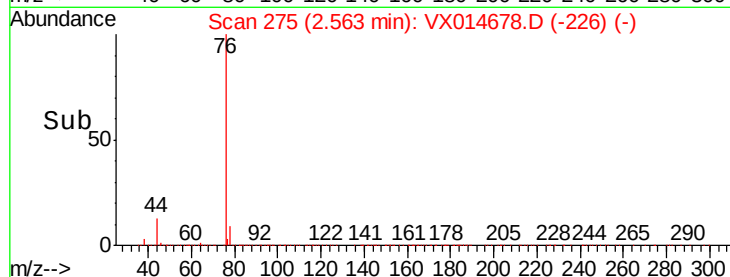
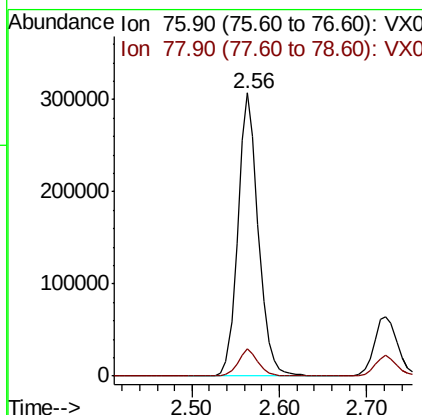
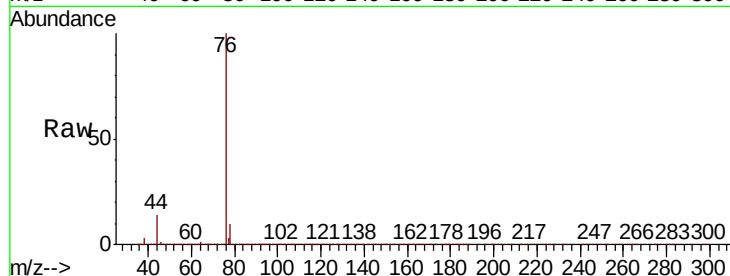
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 76 Resp: 501460

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2



#18

Methyl Acetate

Concen: 55.039 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014678.D

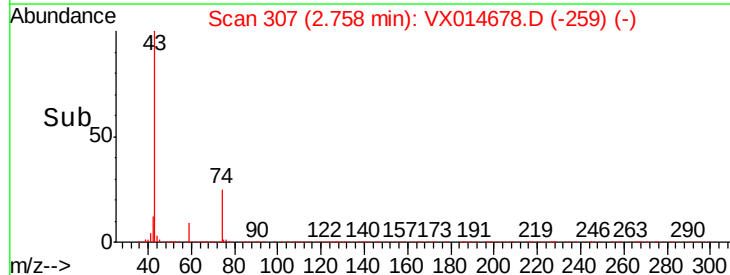
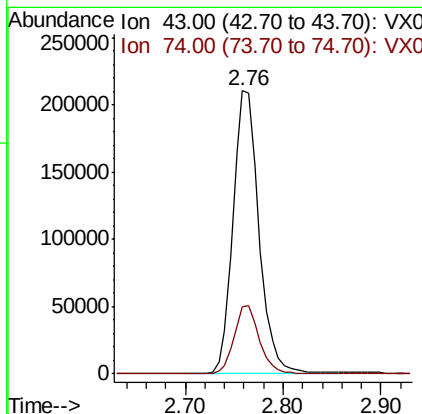
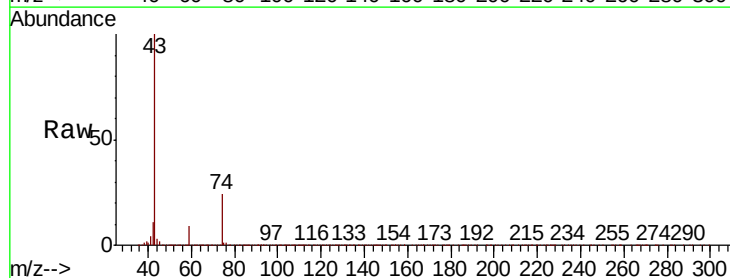
Acq: 21 Jan 2020 16:40

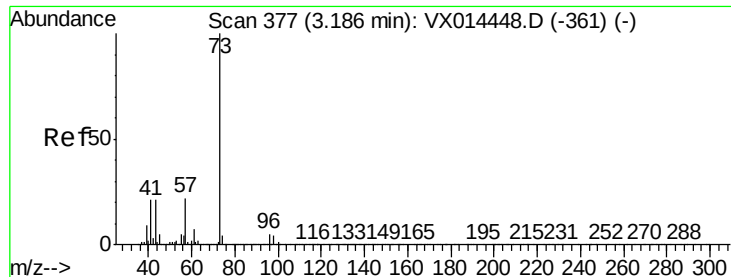
Tgt Ion: 43 Resp: 388374

Ion Ratio Lower Upper

43 100

74 23.7 19.4 29.2

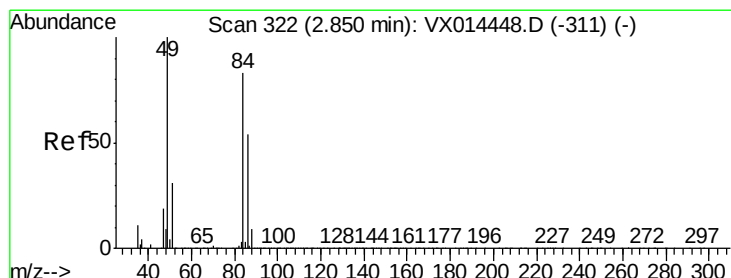
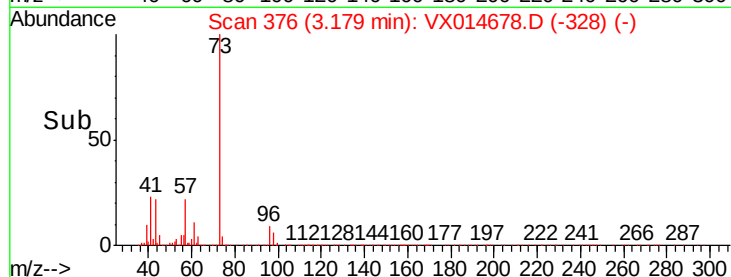
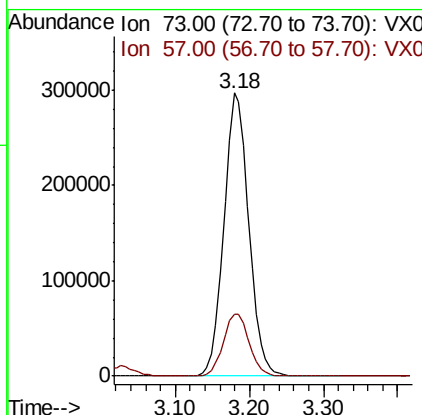
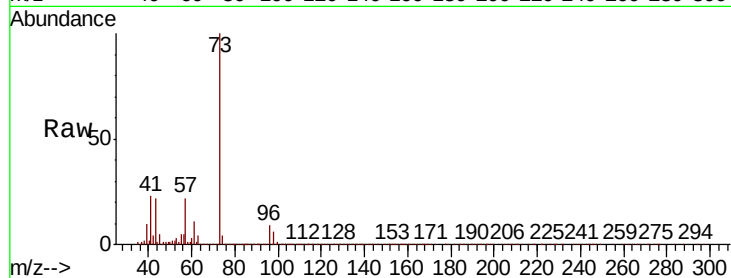




#19
Methyl tert-butyl Ether
Concen: 49.320 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

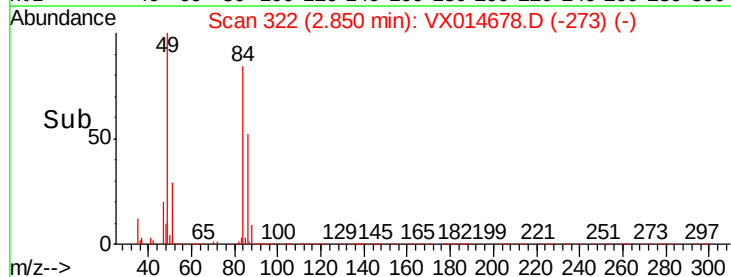
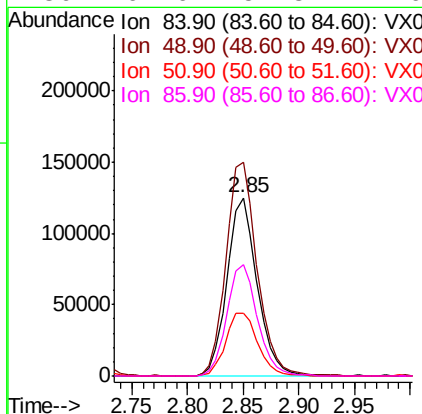
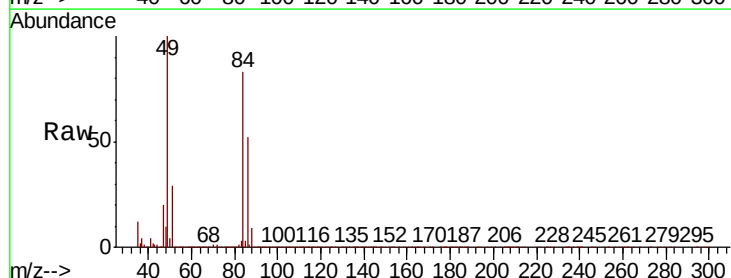
Instrument :
MSVOA_X
ClientSampleId :

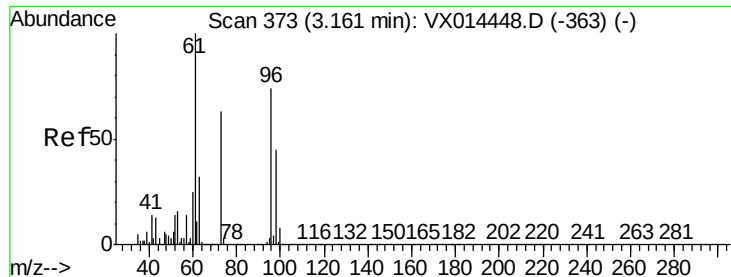
Tot Ion: 73 Resp: 687696
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8



#20
Methylene Chloride
Concen: 47.539 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion: 84 Resp: 234793
Ion Ratio Lower Upper
84 100
49 119.7 95.8 143.8
51 34.9 30.2 45.4
86 62.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 44.598 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

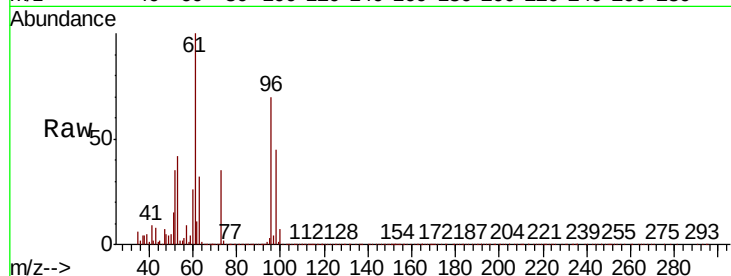
Tot Ion: 96 Resp: 211482

Ion Ratio Lower Upper

96 100

61 142.7 108.2 162.4

98 64.8 48.8 73.2

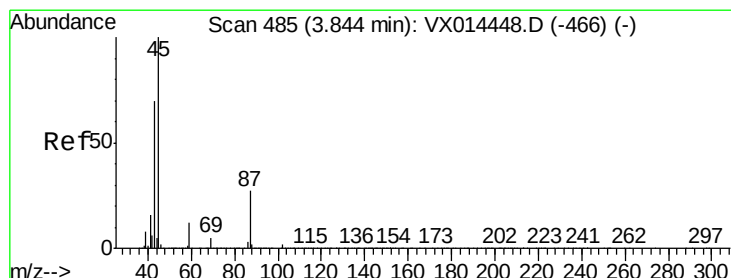
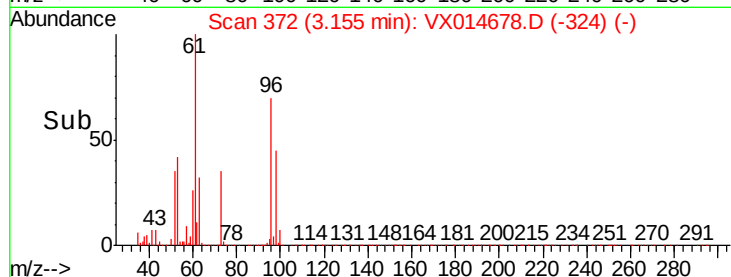
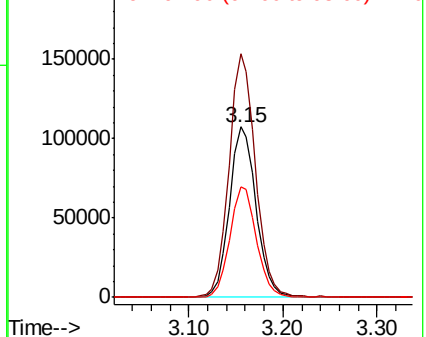


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.658 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Tgt Ion: 45 Resp: 761301

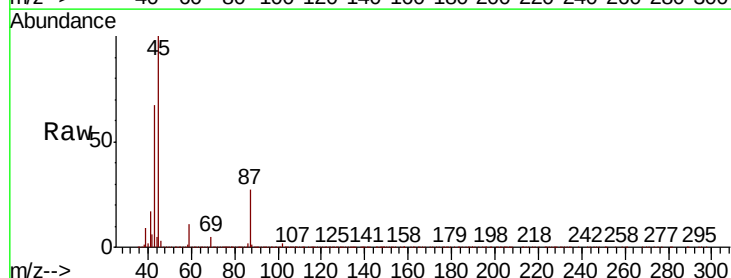
Ion Ratio Lower Upper

45 100

43 67.0 55.8 83.6

87 27.4 21.8 32.8

59 11.3 9.1 13.7



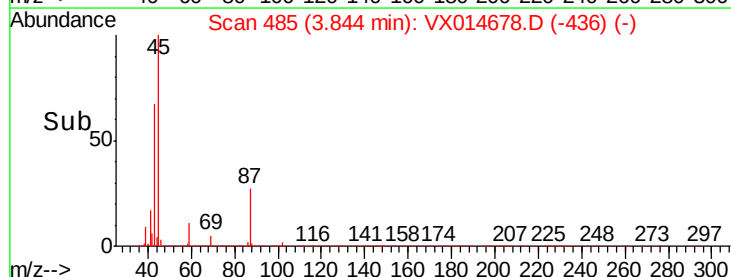
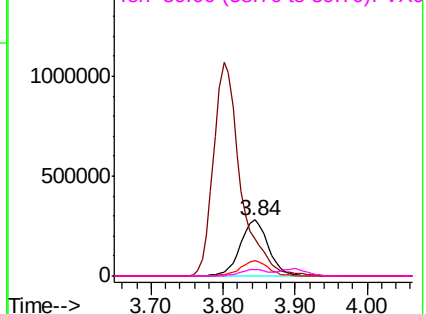
Abundance

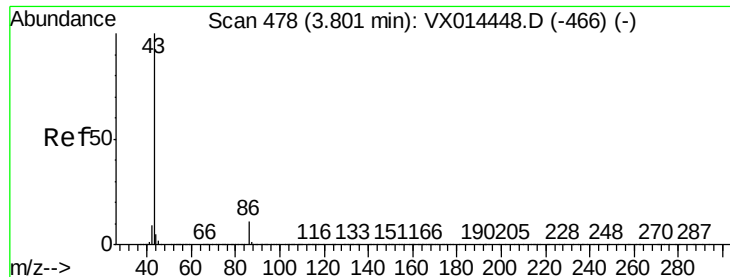
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 245.464 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

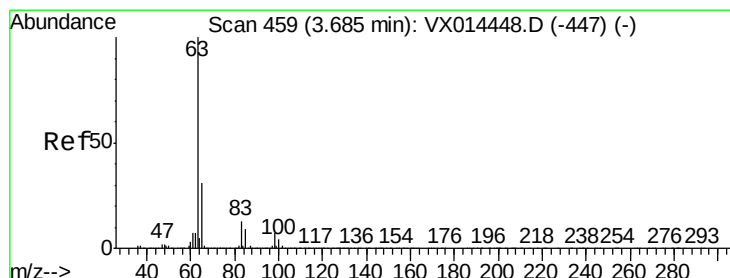
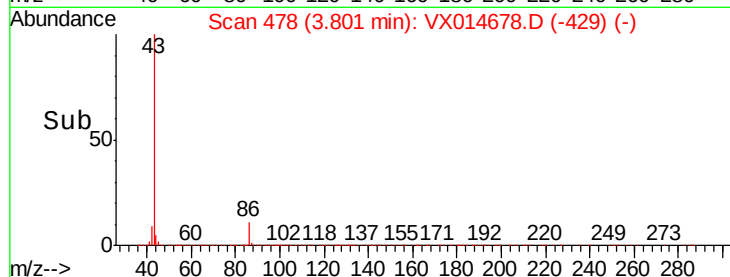
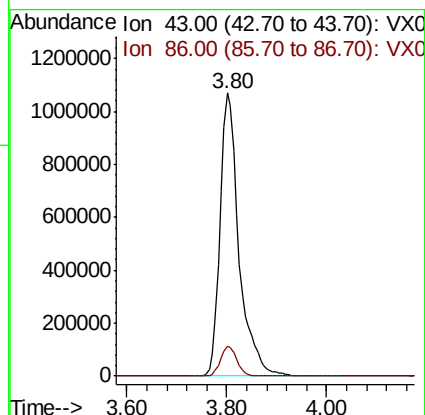
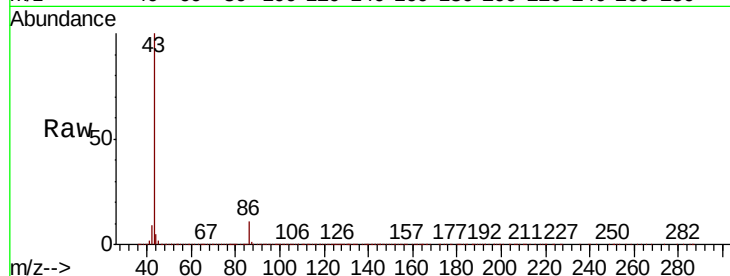
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 2800703

Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



#24

1,1-Dichloroethane

Concen: 50.254 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

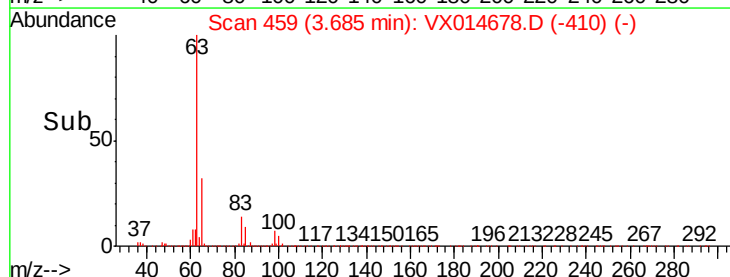
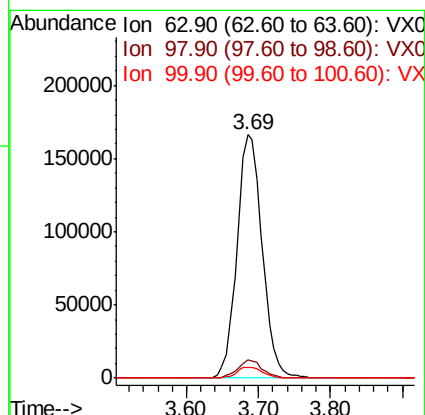
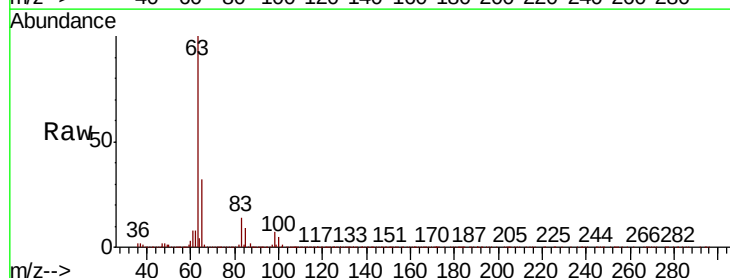
Tgt Ion: 63 Resp: 402886

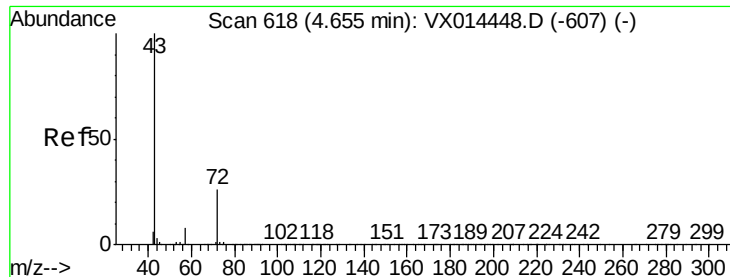
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 254.809 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

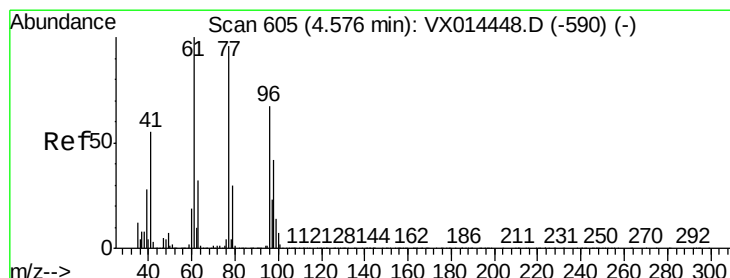
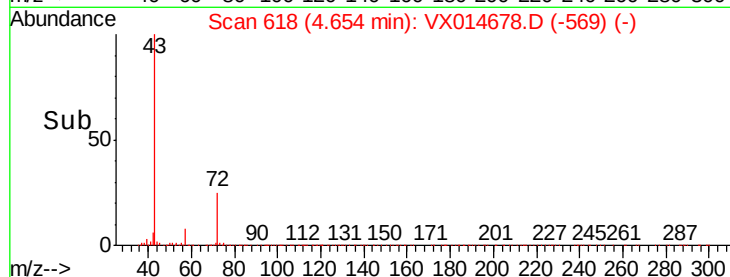
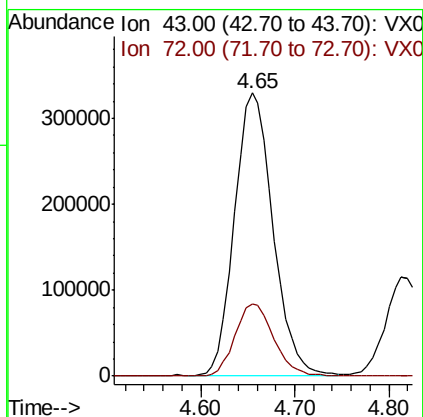
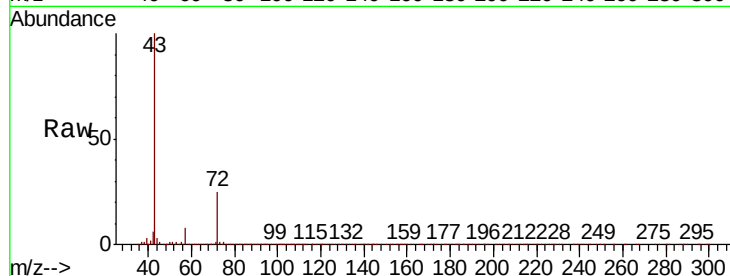
ClientSampleId :

Tot Ion: 43 Resp: 934458

Ion Ratio Lower Upper

43 100

72 25.2 20.6 31.0



#26

2,2-Dichloropropane

Concen: 47.507 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014678.D

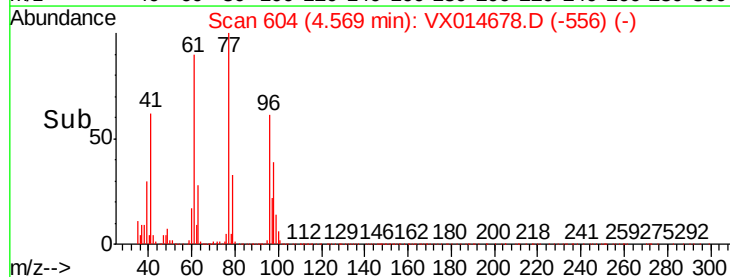
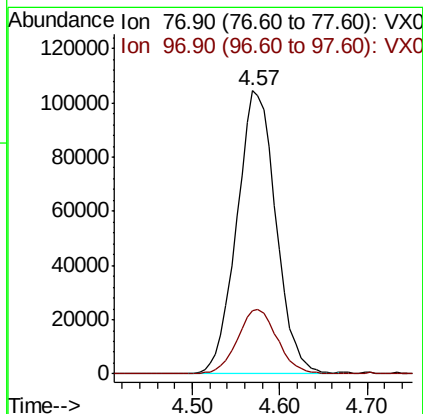
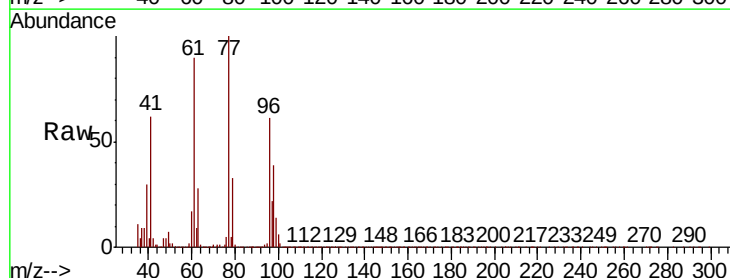
Acq: 21 Jan 2020 16:40

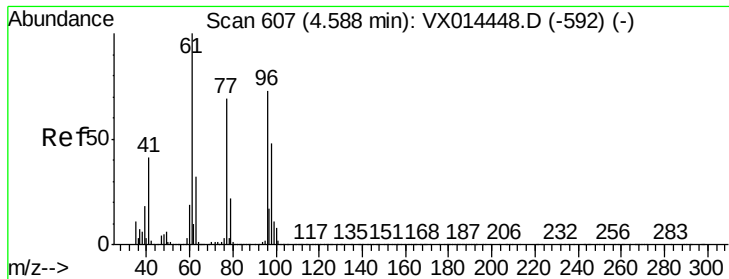
Tgt Ion: 77 Resp: 322634

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1



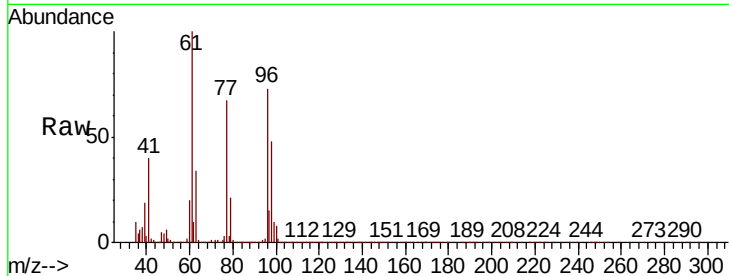


#27

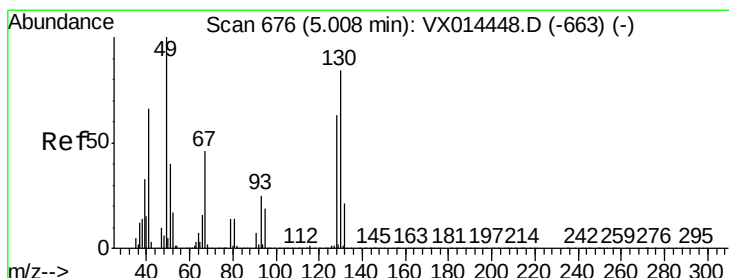
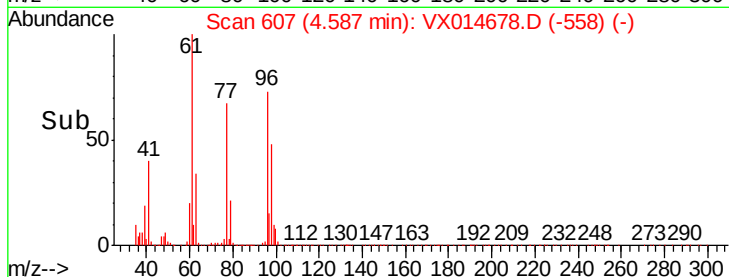
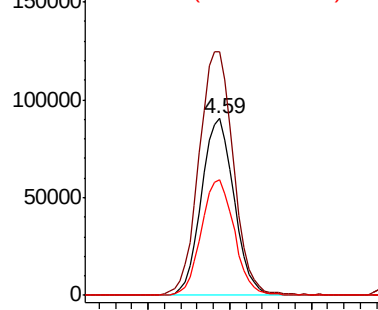
cis-1,2-Dichloroethene
Concen: 47.276 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	285.4
98	65.4	0.0	130.6



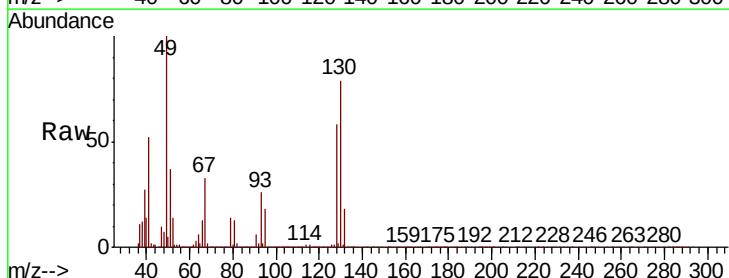
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



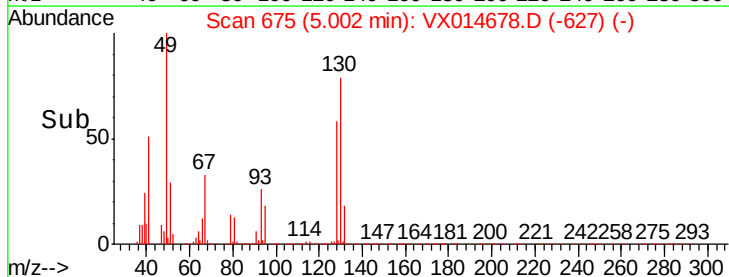
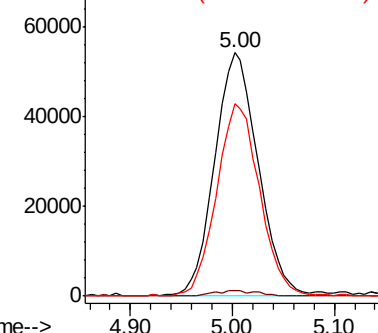
#28

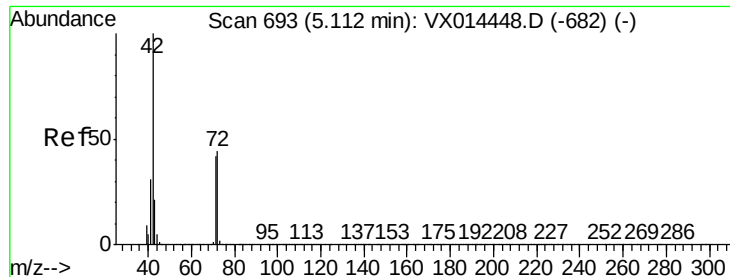
Bromochloromethane
Concen: 47.125 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	78.4	67.0	100.4



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 262.196 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

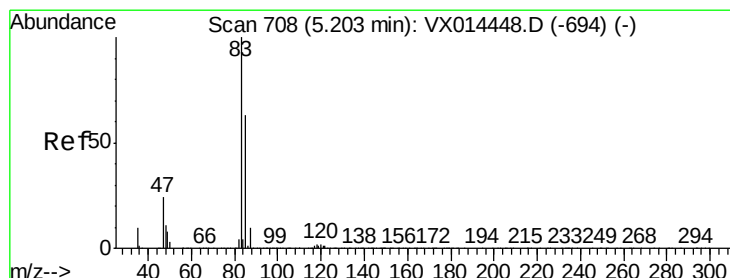
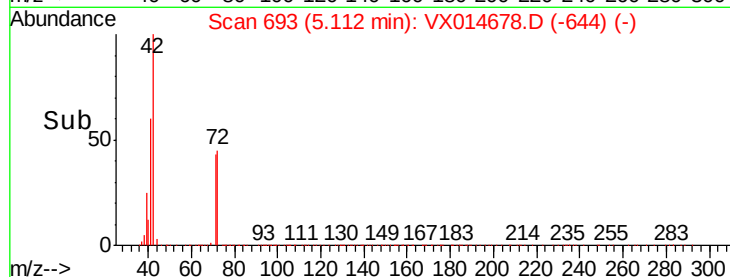
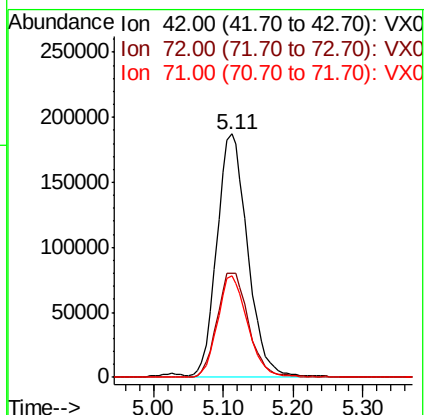
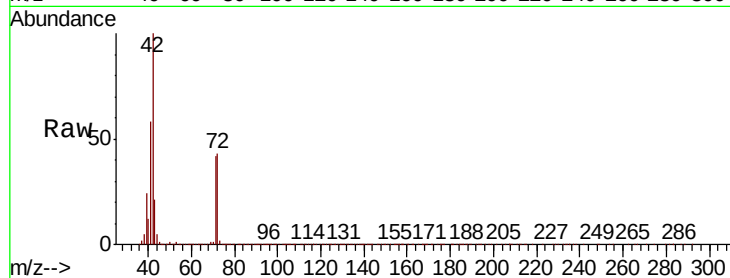
Tot Ion: 42 Resp: 568504

Ion Ratio Lower Upper

42 100

72 44.4 36.2 54.4

71 40.8 34.1 51.1



#30

Chloroform

Concen: 50.561 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014678.D

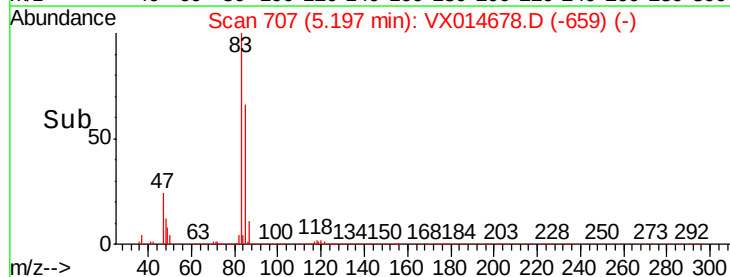
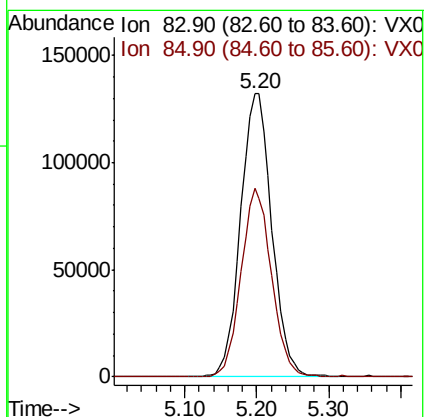
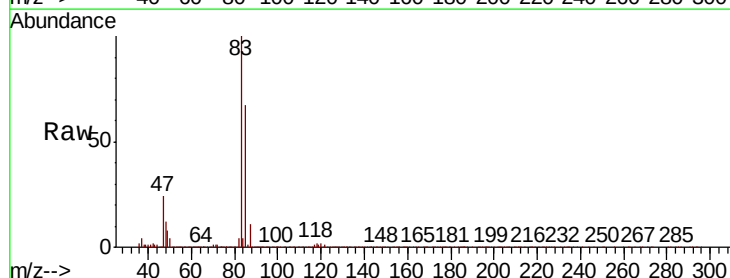
Acq: 21 Jan 2020 16:40

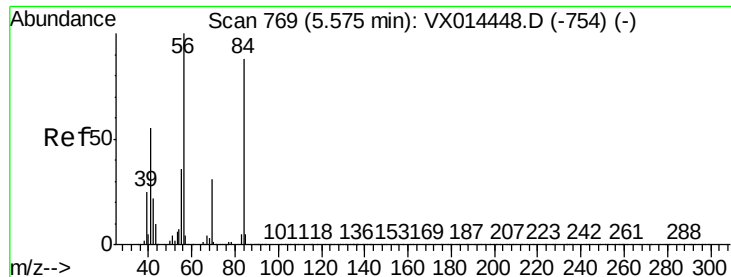
Tgt Ion: 83 Resp: 396095

Ion Ratio Lower Upper

83 100

85 66.6 50.6 75.8

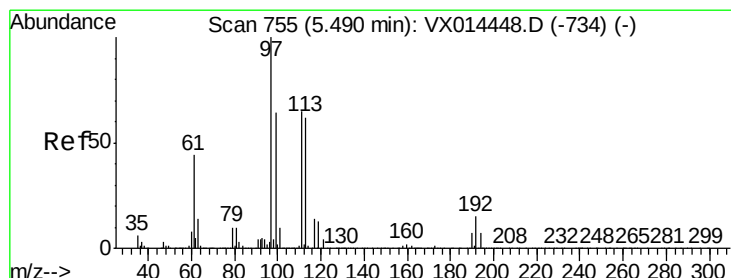
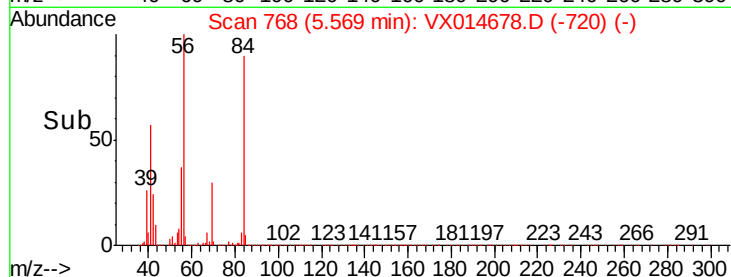
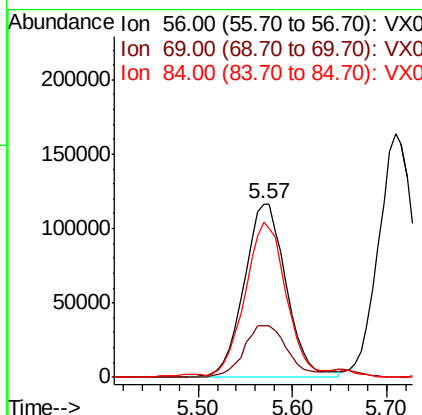
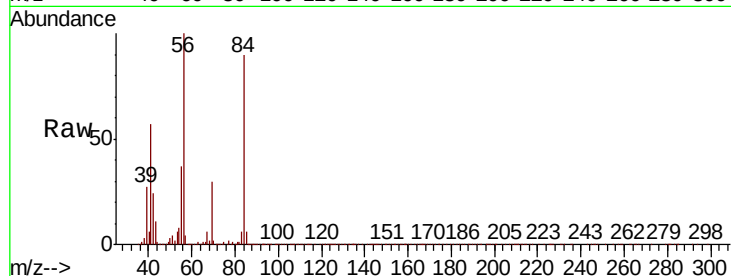




#31
Cyclohexane
Concen: 48.301 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

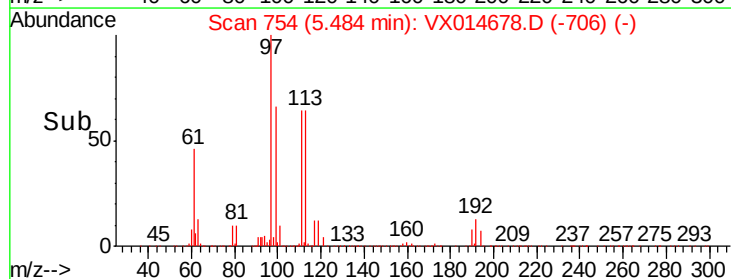
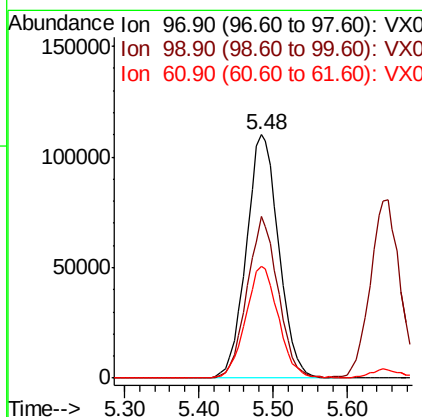
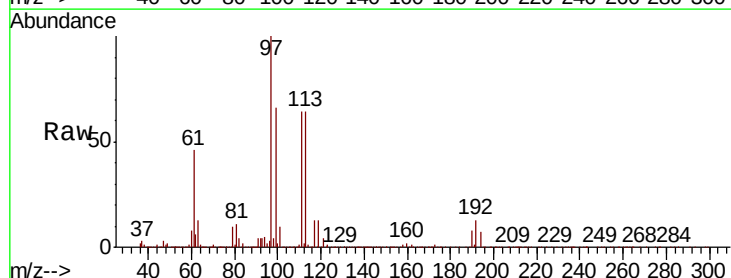
Instrument :
MSVOA_X
ClientSampled :

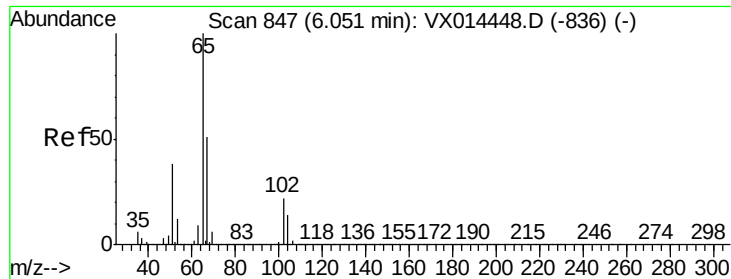
Tot Ion: 56 Resp: 362456
Ion Ratio Lower Upper
56 100
69 29.9 24.4 36.6
84 87.9 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 50.027 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion: 97 Resp: 335470
Ion Ratio Lower Upper
97 100
99 63.1 51.8 77.6
61 46.1 35.9 53.9

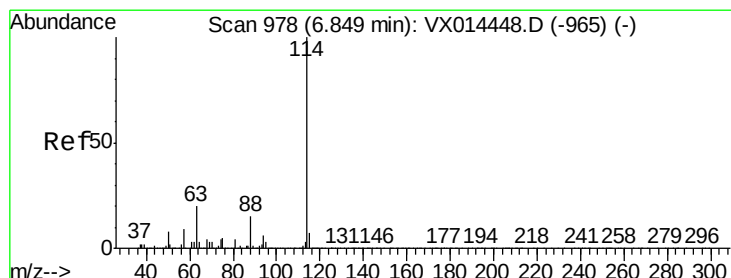
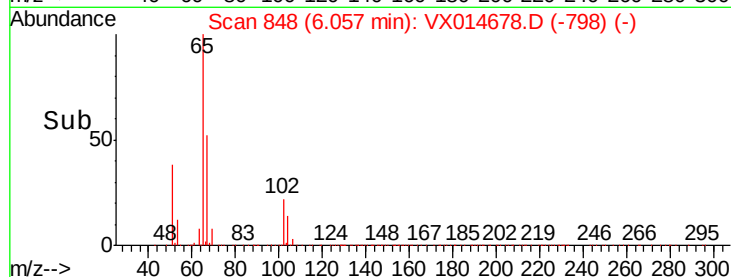
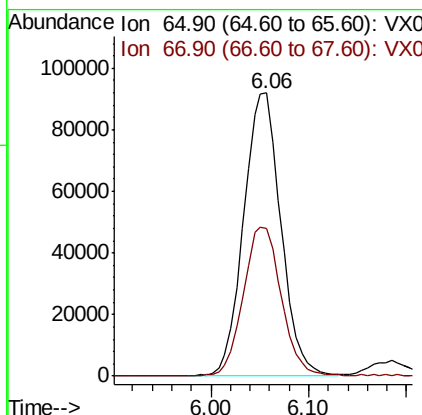
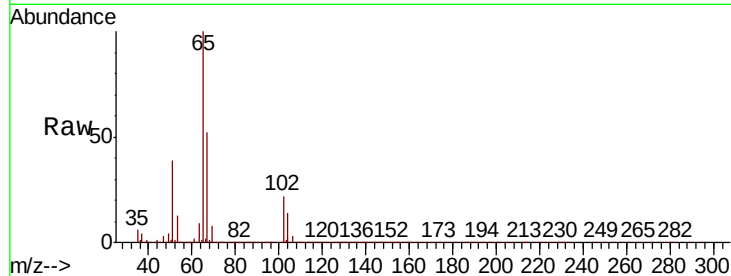




#33
 1,2-Dichloroethane-d4
 Concen: 49.536 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

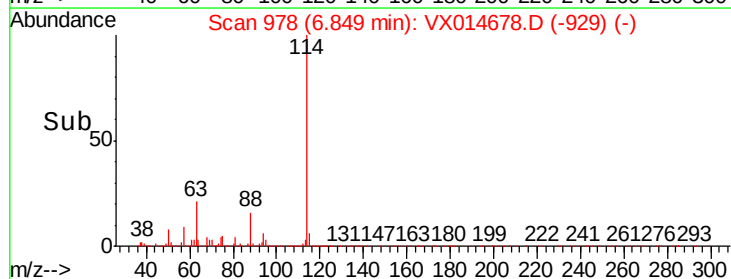
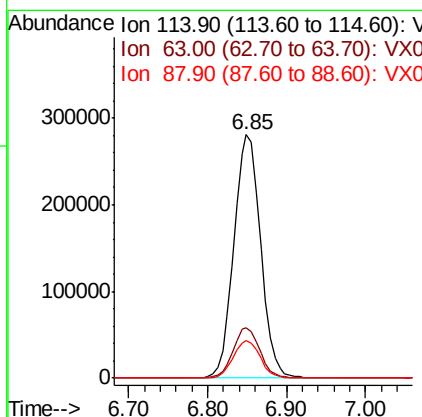
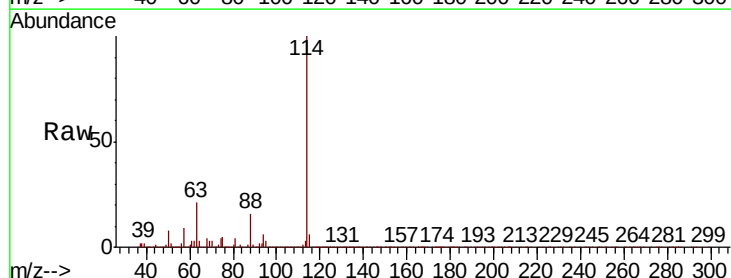
Instrument :
 MSVOA_X
 ClientSampled :

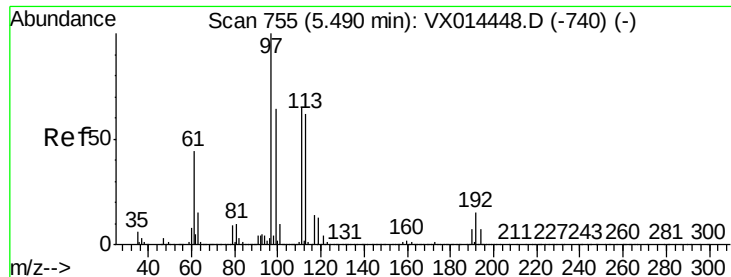
Tot Ion: 65 Resp: 243196
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

Tgt Ion: 114 Resp: 664658
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.6
 88 15.6 0.0 30.8

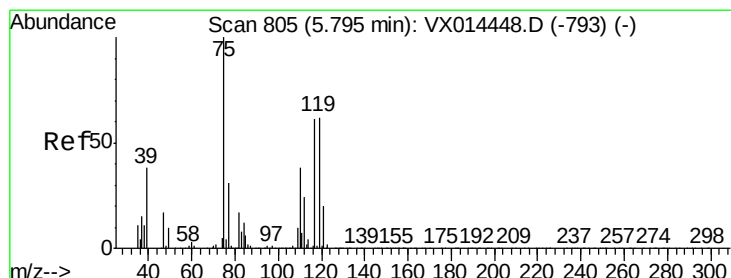
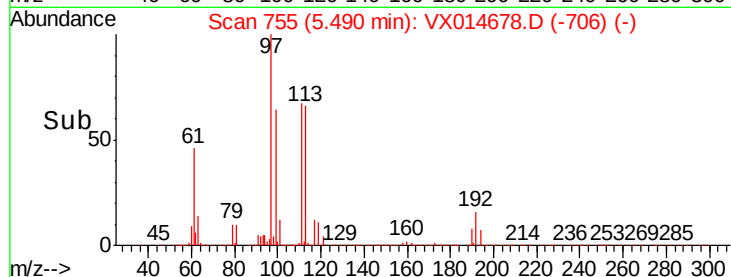
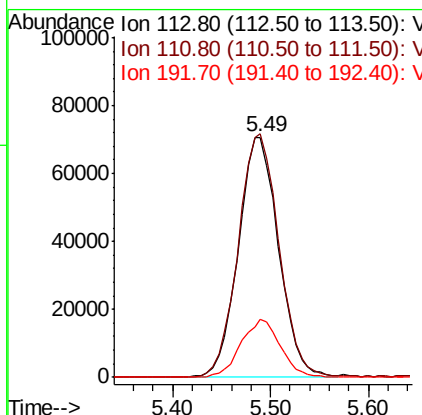
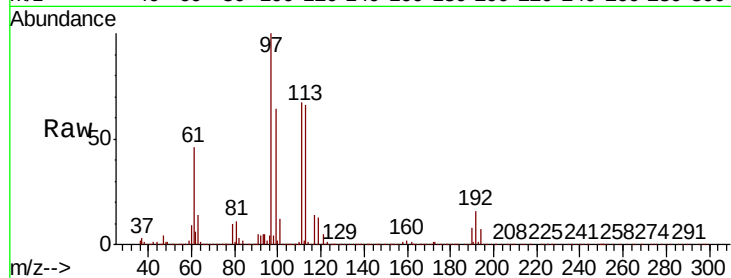




#35
 Dibromofluoromethane
 Concen: 49.750 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

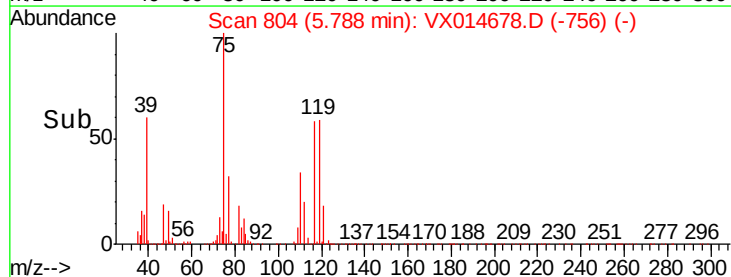
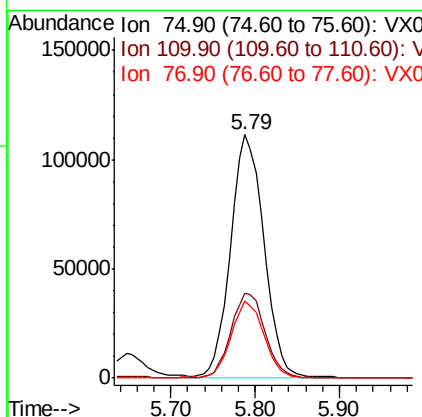
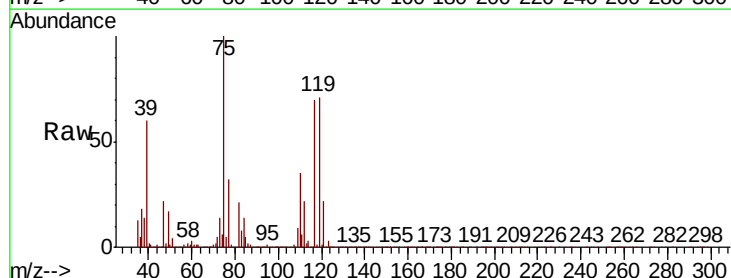
Instrument :
 MSVOA_X
 ClientSampleId :

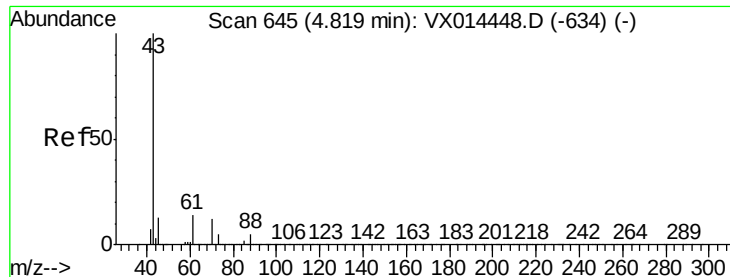
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.5	122.3
192	23.9	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 47.593 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.6	55.8
77	30.8	24.5	36.7

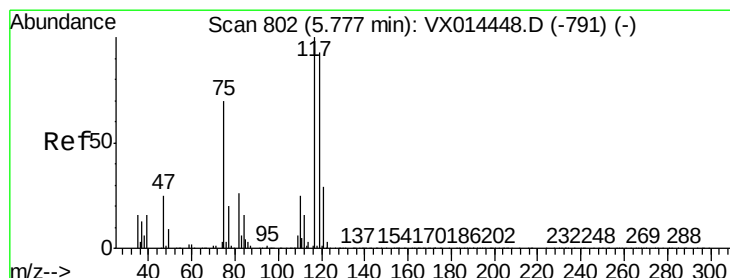
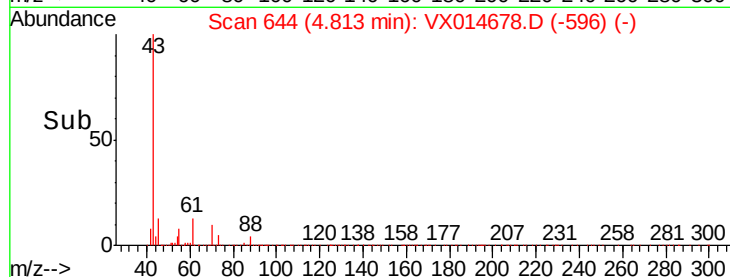
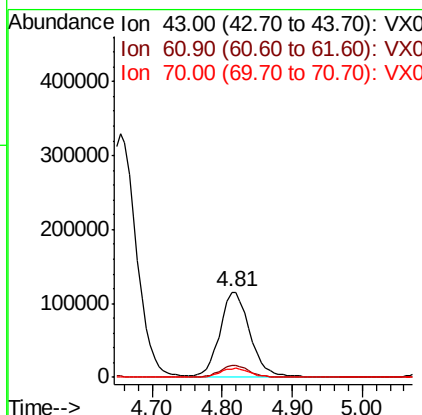
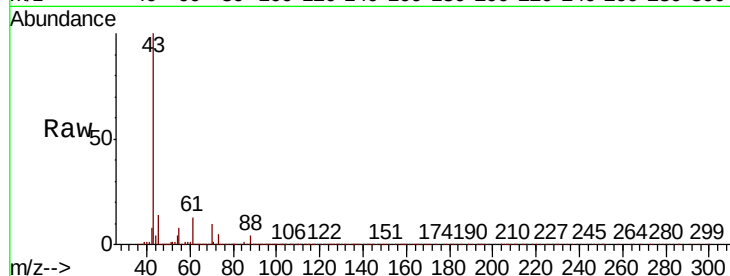




#37
Ethyl Acetate
Concen: 50.305 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

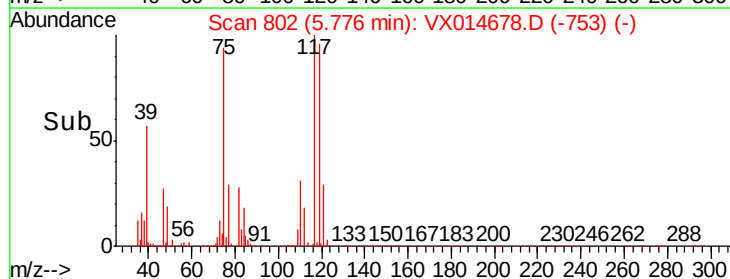
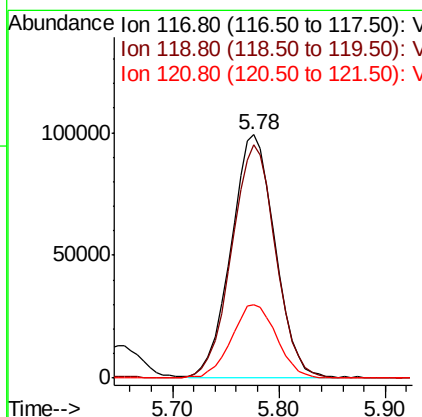
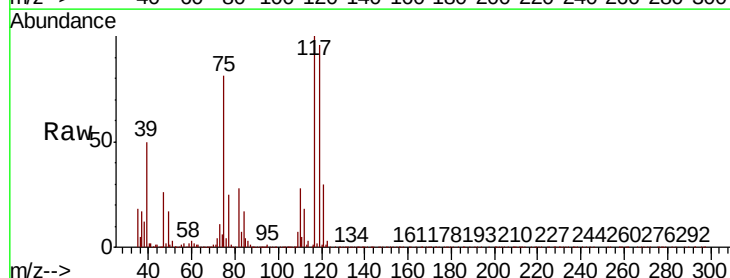
Instrument :
MSVOA_X
ClientSampleId :

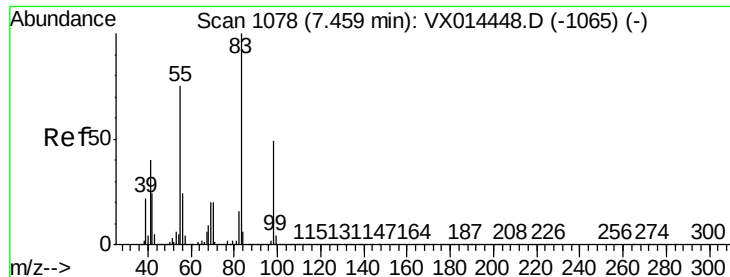
Tot Ion: 43 Resp: 341535
Ion Ratio Lower Upper
43 100
61 13.5 11.1 16.7
70 10.8 8.9 13.3



#38
Carbon Tetrachloride
Concen: 49.507 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion: 117 Resp: 284758
Ion Ratio Lower Upper
117 100
119 96.0 73.8 110.8
121 30.0 23.4 35.0

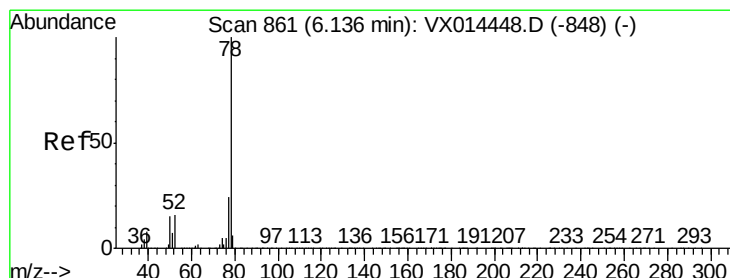
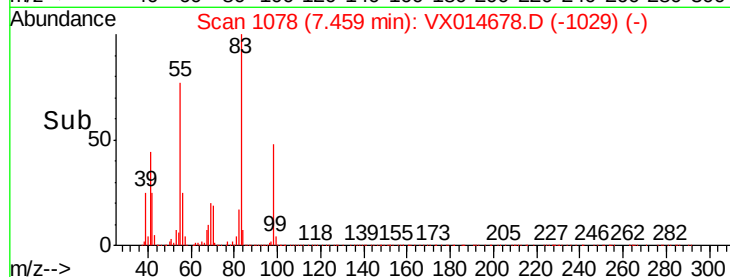
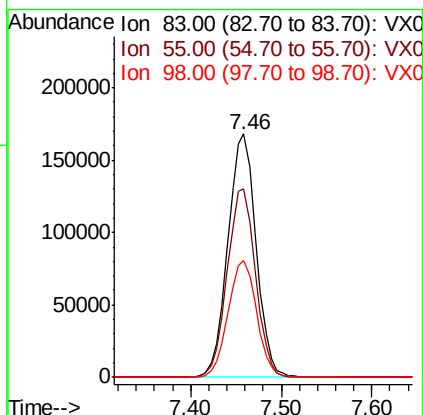
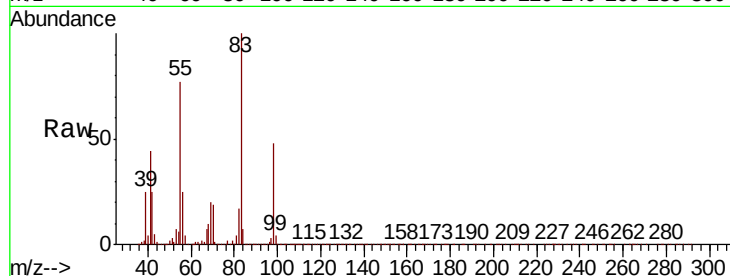




#39
Methylvlcyclohexane
Concen: 46.266 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

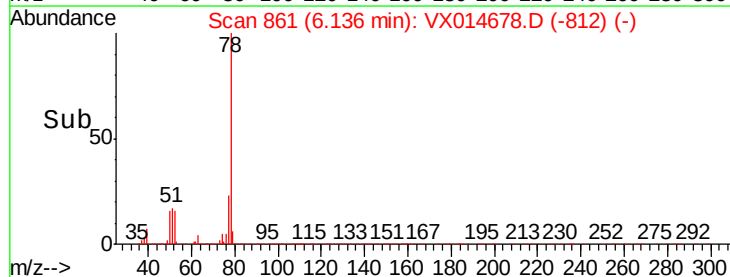
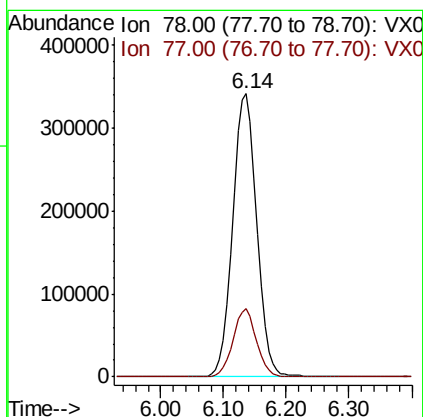
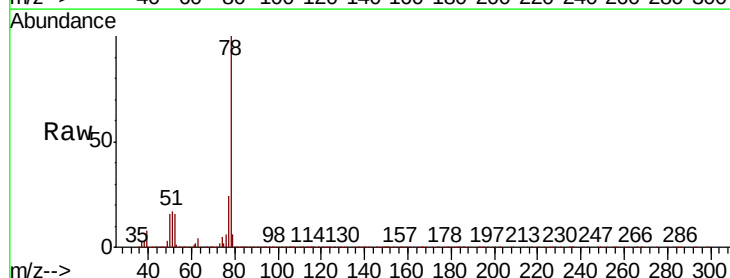
Instrument :
MSVOA_X
ClientSampled :

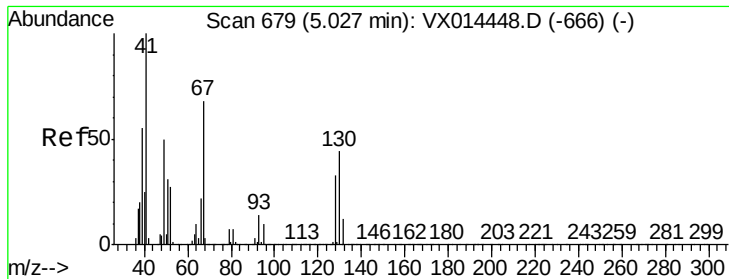
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	59.7	89.5
98	48.0	39.1	58.7



#40
Benzene
Concen: 48.642 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3

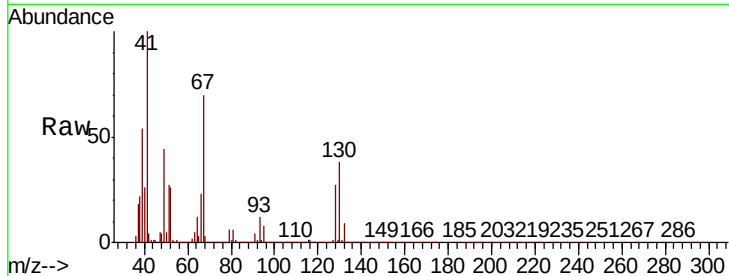




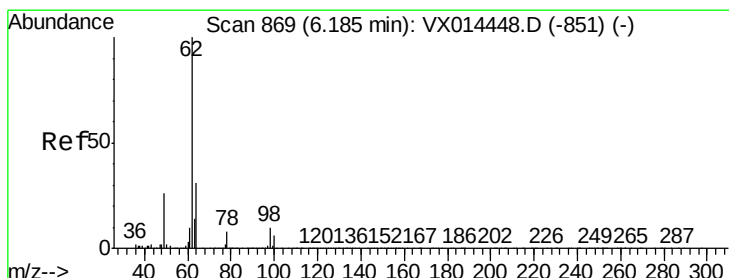
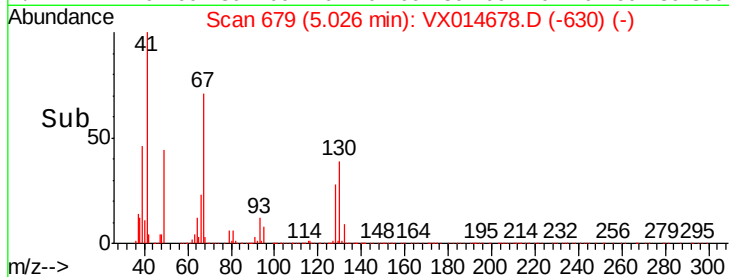
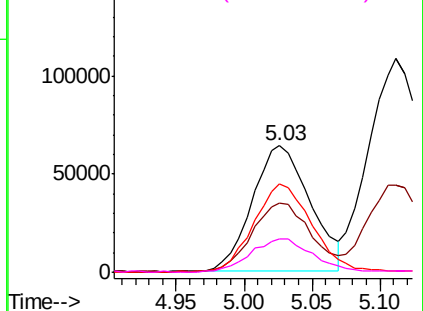
#41
Methacrylonitrile
Concen: 52.824 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	41	Resp	191255
Ion	Ratio	Lower	Upper
41	100		
39	55.0	43.6	65.4
67	71.0	57.9	86.9
52	27.4	23.0	34.6

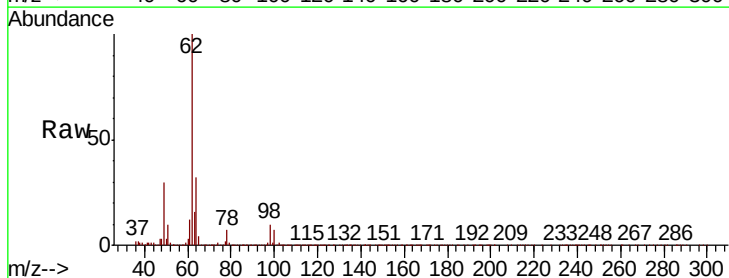


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

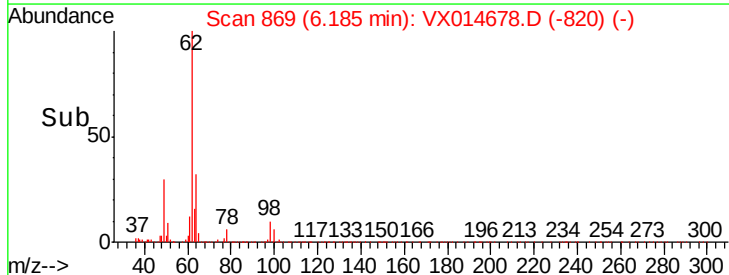
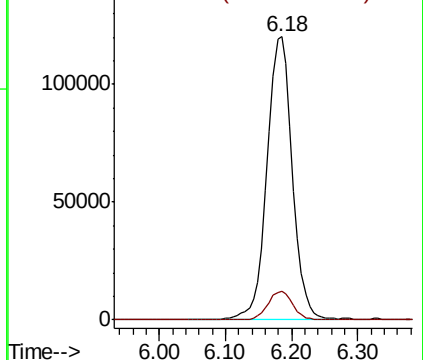


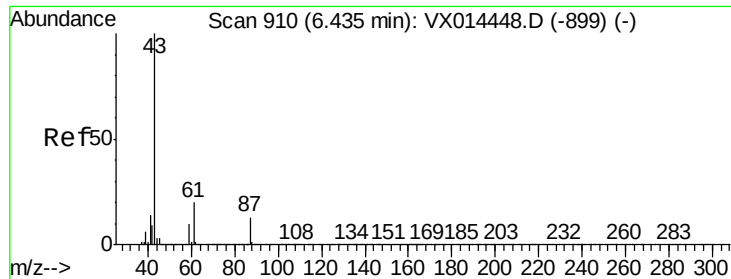
#42
1,2-Dichloroethane
Concen: 49.112 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion	62	Resp	318556
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.143 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :

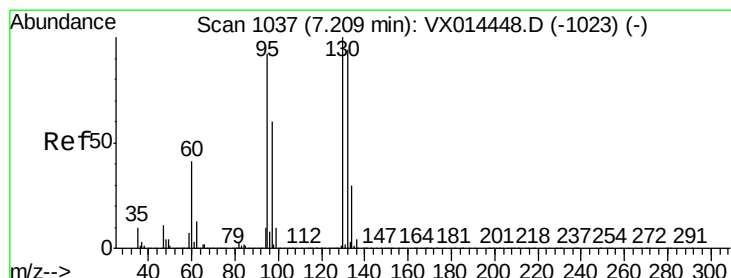
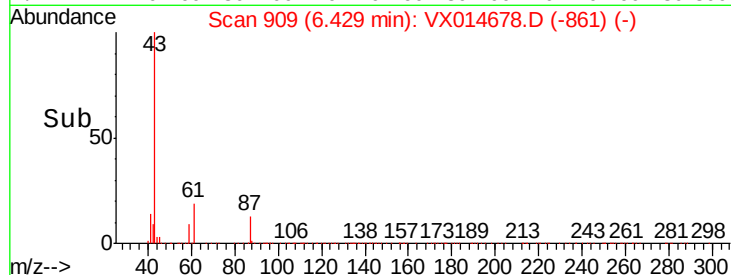
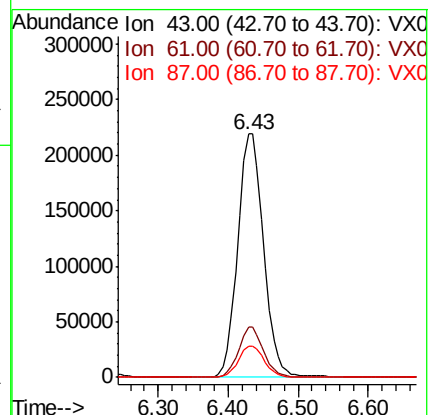
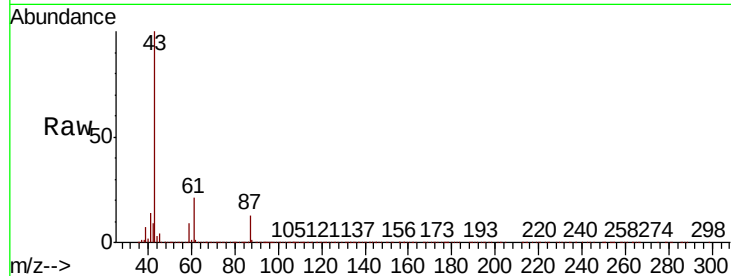
Tot Ion: 43 Resp: 560924

Ion Ratio Lower Upper

43 100

61 19.8 16.6 24.8

87 13.1 10.8 16.2



#44

Trichloroethene

Concen: 46.828 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX014678.D

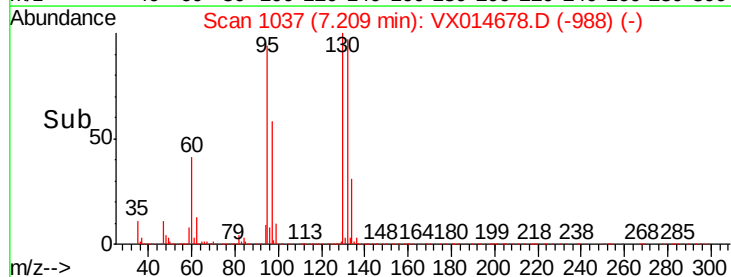
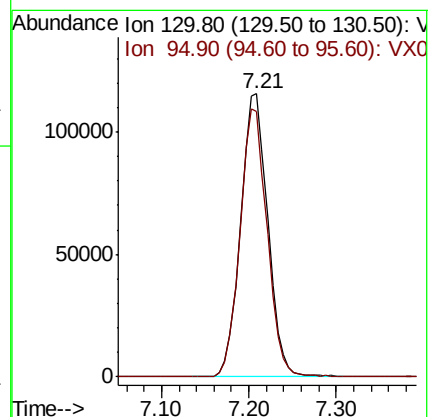
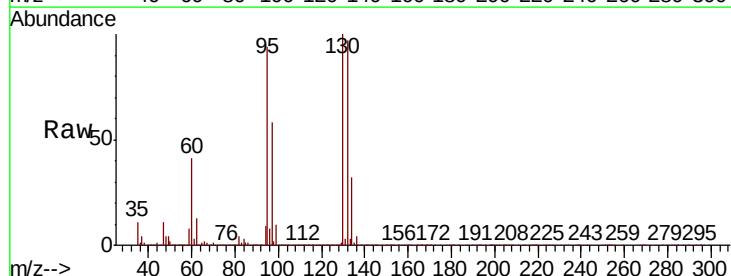
Acq: 21 Jan 2020 16:40

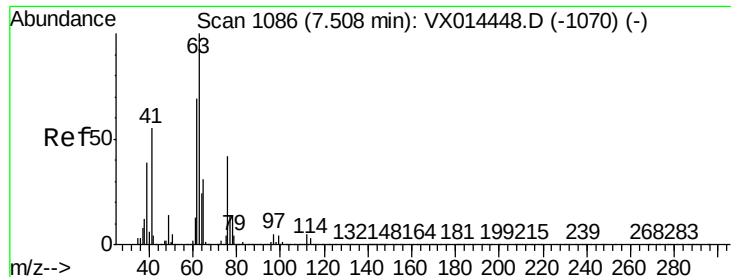
Tgt Ion: 130 Resp: 249652

Ion Ratio Lower Upper

130 100

95 93.5 0.0 184.2

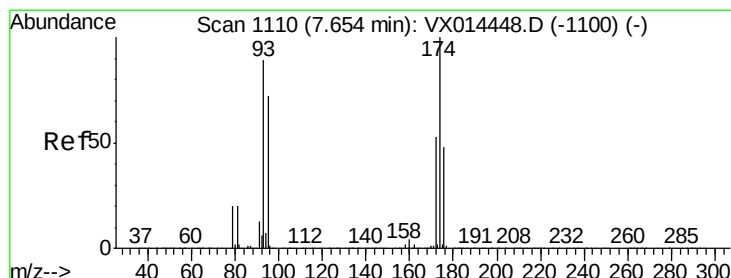
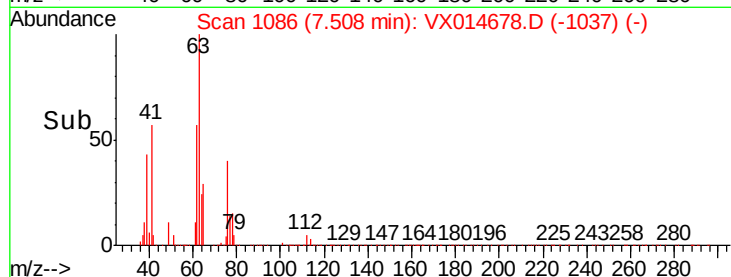
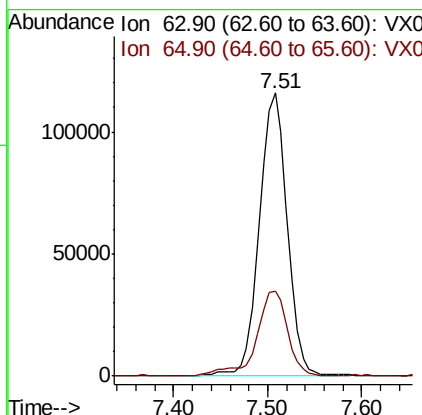
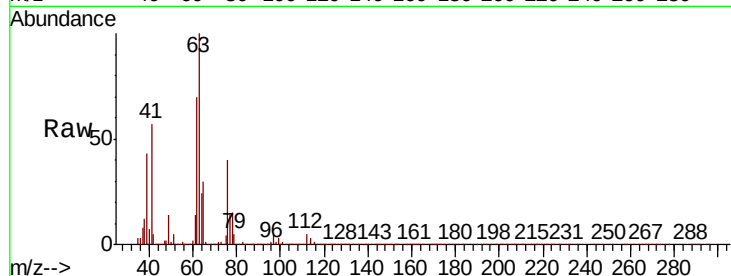




#45
 1,2-Dichloropropane
 Concen: 50.778 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

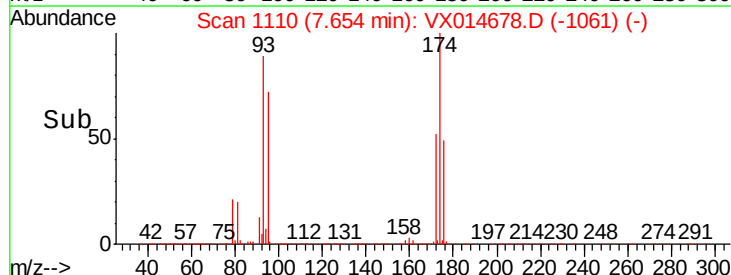
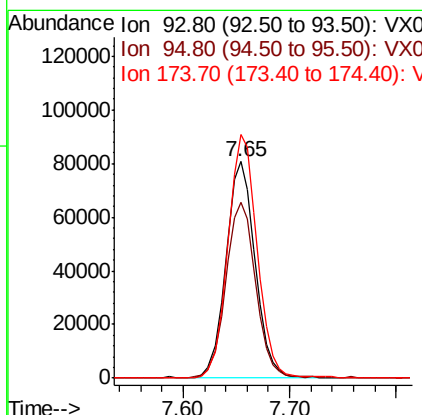
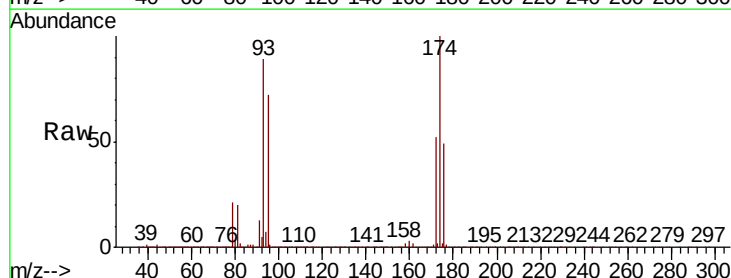
Instrument :
 MSVOA_X
 ClientSampled :

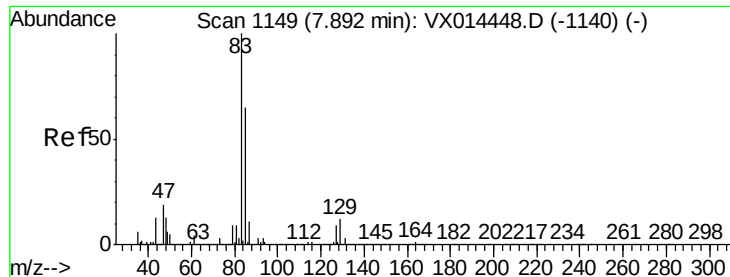
Tot Ion: 63 Resp: 240161
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.8 37.2



#46
 Dibromomethane
 Concen: 46.615 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

Tgt Ion: 93 Resp: 153883
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.4 98.2
 174 113.7 93.0 139.4





#47

Bromodichloromethane

Concen: 51.180 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

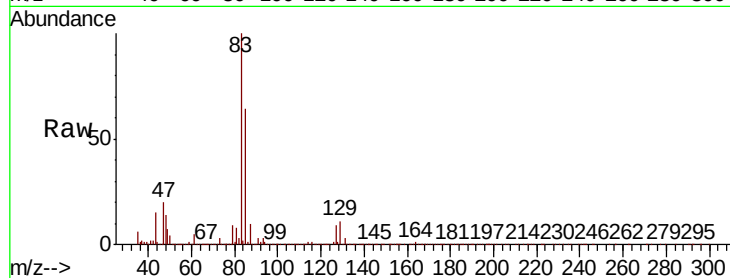
Tot Ion: 83 Resp: 307427

Ion Ratio Lower Upper

83 100

85 63.6 51.7 77.5

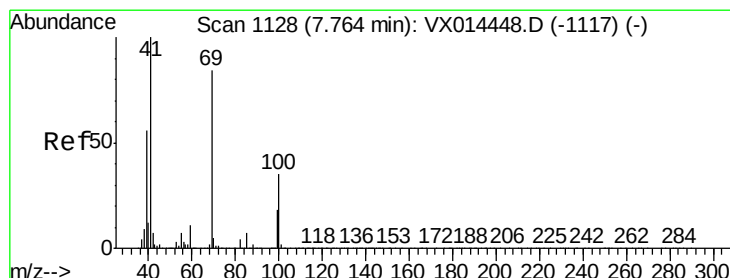
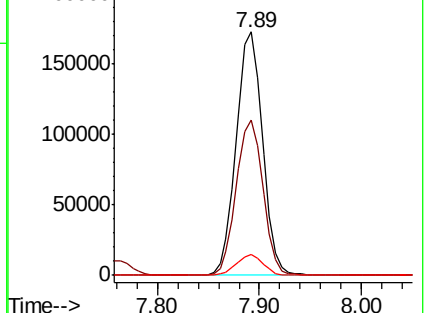
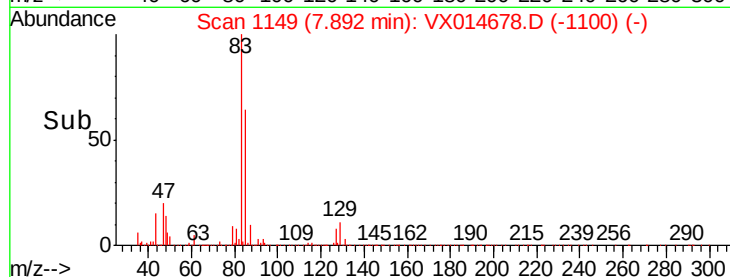
127 8.5 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.544 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

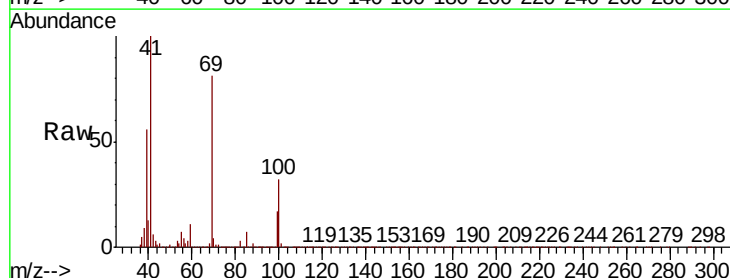
Tgt Ion: 41 Resp: 276010

Ion Ratio Lower Upper

41 100

69 80.9 65.5 98.3

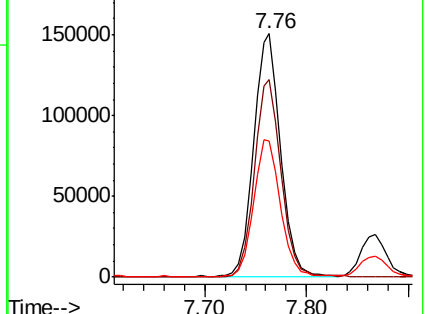
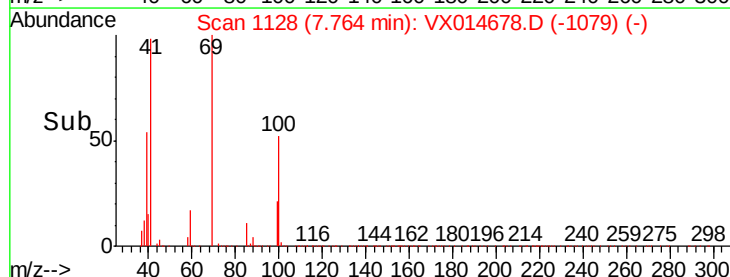
39 56.5 43.9 65.9

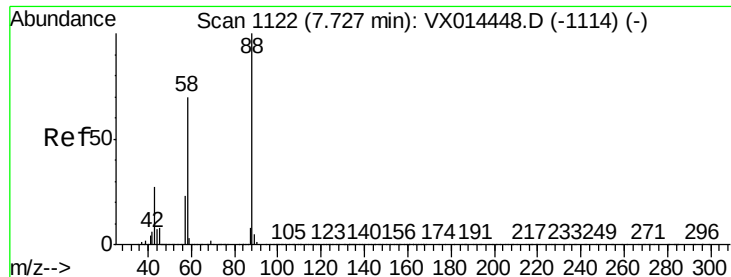


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

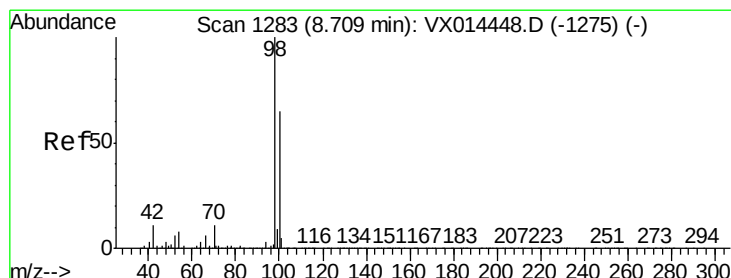
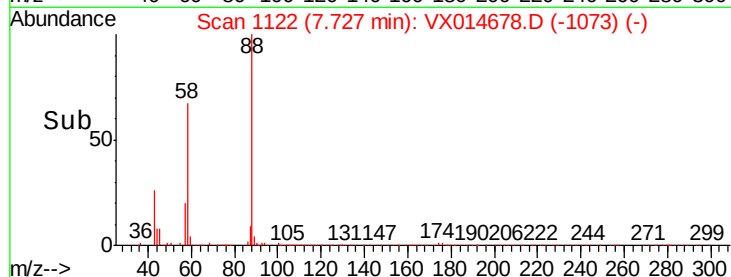
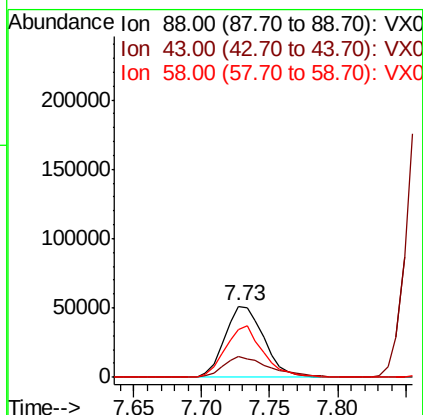
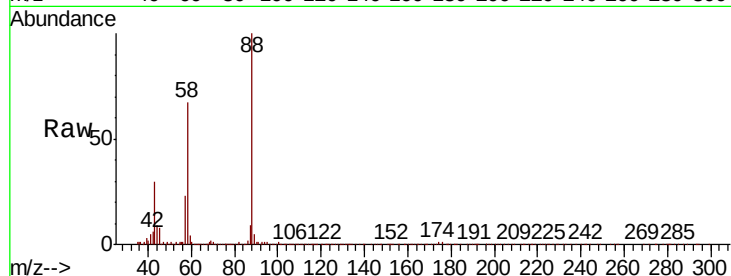




#49
1,4-Dioxane
Concen: 906.064 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

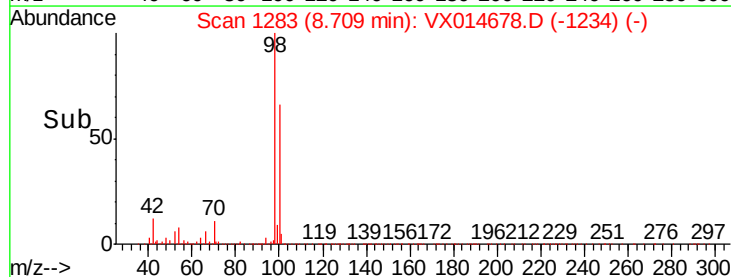
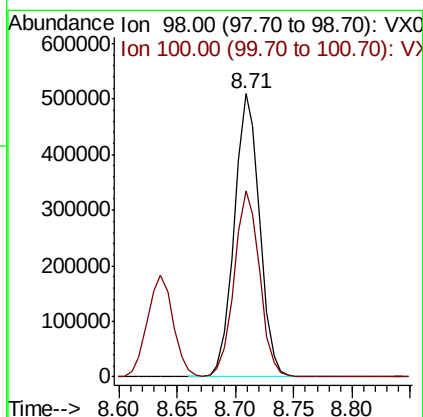
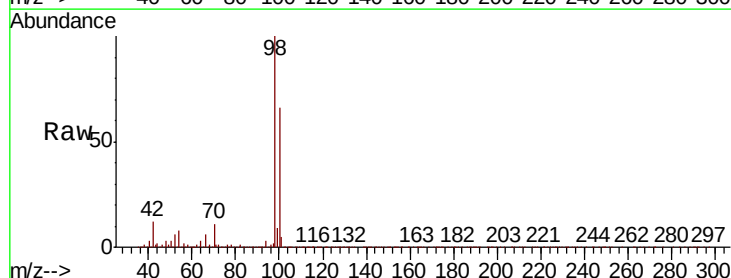
Instrument :
MSVOA_X
ClientSampleId :

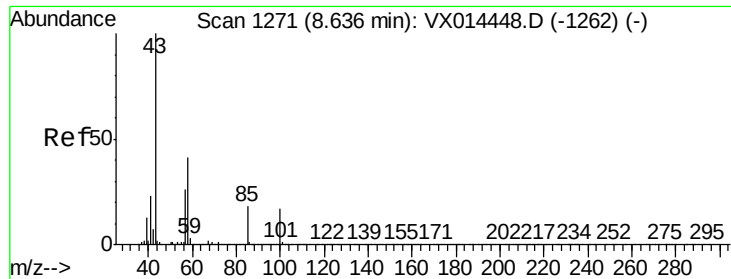
Tot Ion: 88 Resp: 100849
Ion Ratio Lower Upper
88 100
43 33.8 27.4 41.0
58 69.9 57.1 85.7



#50
Toluene-d8
Concen: 49.412 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion: 98 Resp: 771500
Ion Ratio Lower Upper
98 100
100 66.1 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 264.508 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

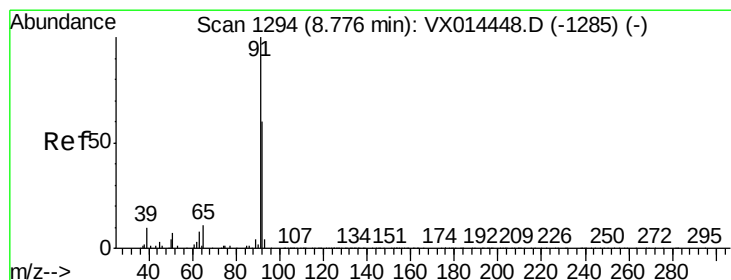
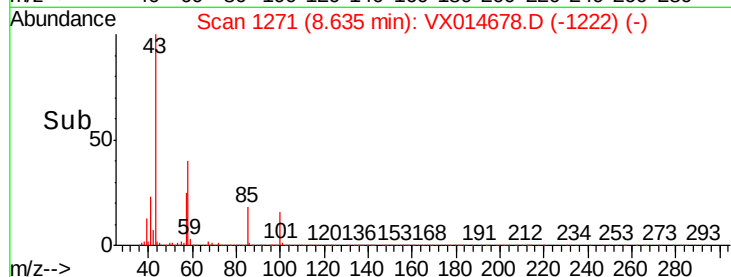
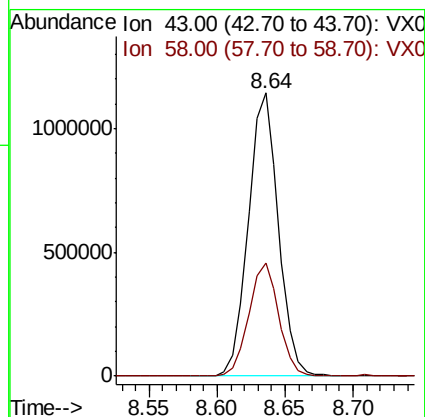
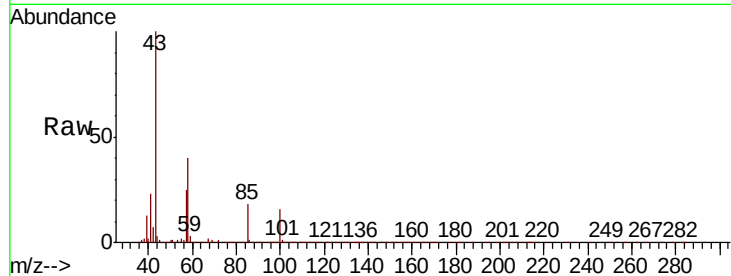
ClientSampleId :

Tot Ion: 43 Resp: 1767813

Ion Ratio Lower Upper

43 100

58 39.8 32.4 48.6



#52

Toluene

Concen: 47.932 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX014678.D

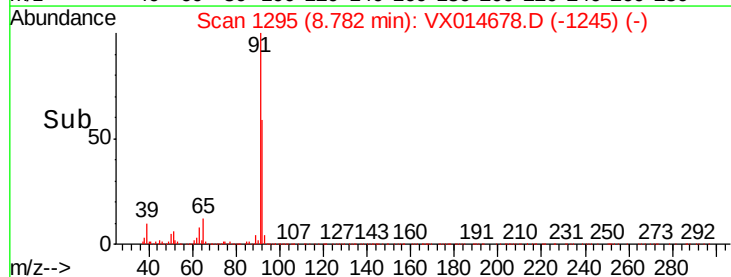
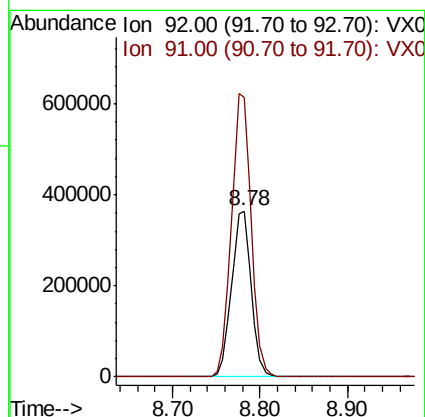
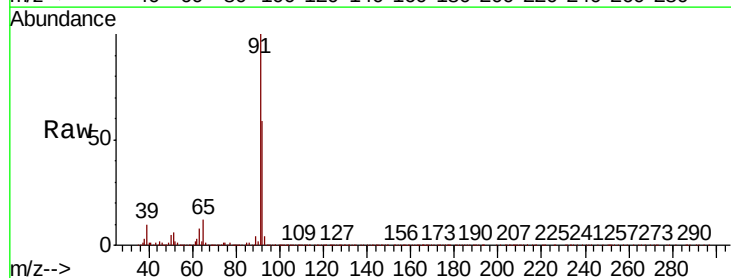
Acq: 21 Jan 2020 16:40

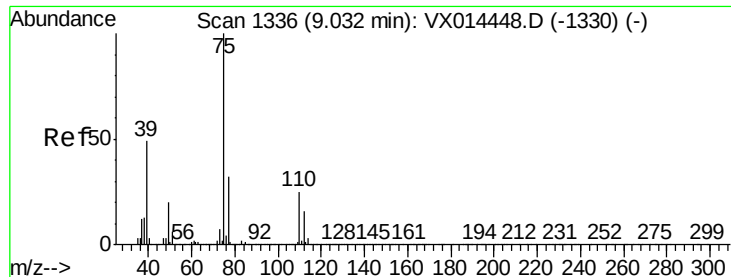
Tgt Ion: 92 Resp: 569213

Ion Ratio Lower Upper

92 100

91 171.9 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 48.999 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

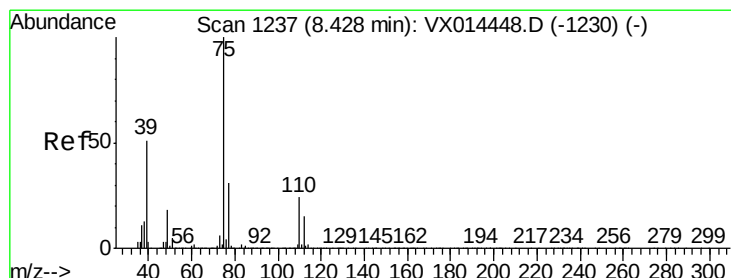
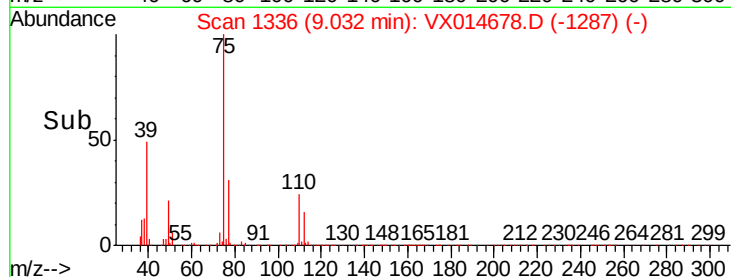
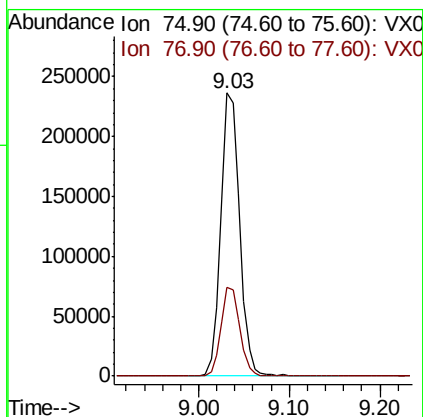
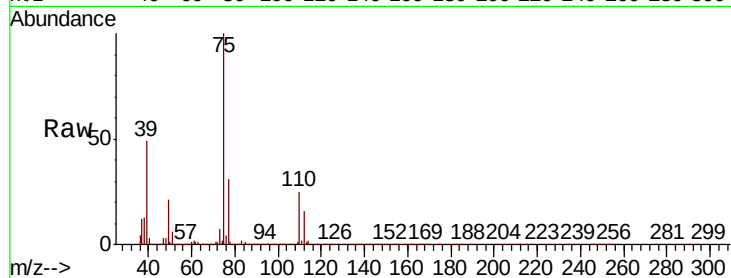
ClientSampleId :

Tot Ion: 75 Resp: 342660

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.596 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

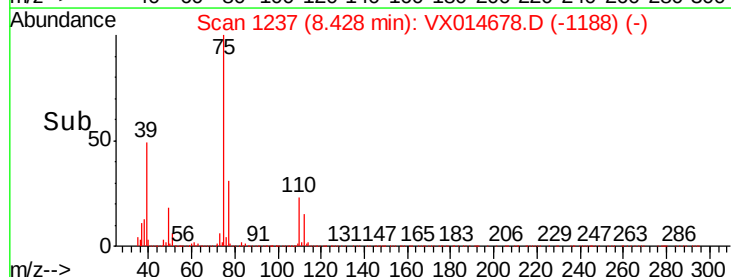
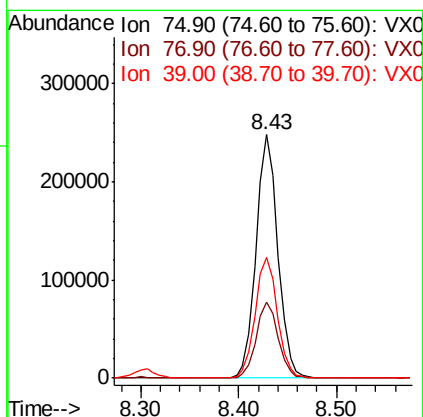
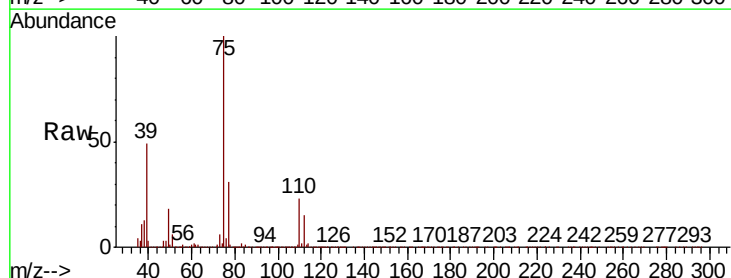
Tgt Ion: 75 Resp: 382217

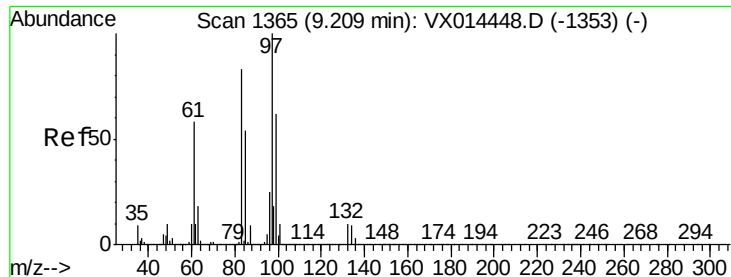
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

39 49.3 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 49.764 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 237370

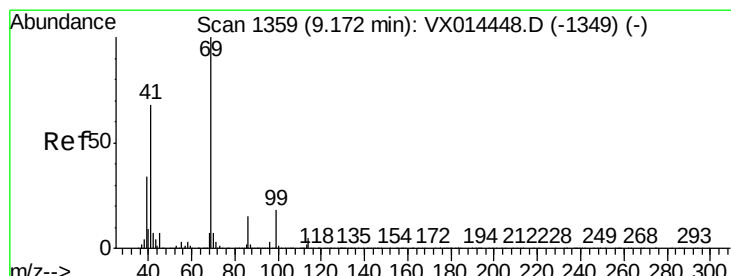
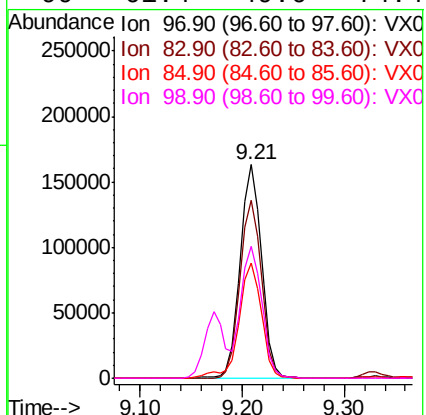
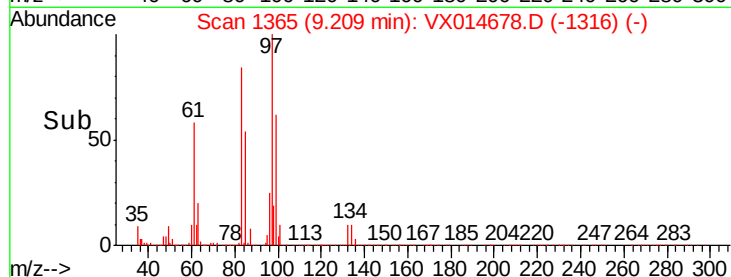
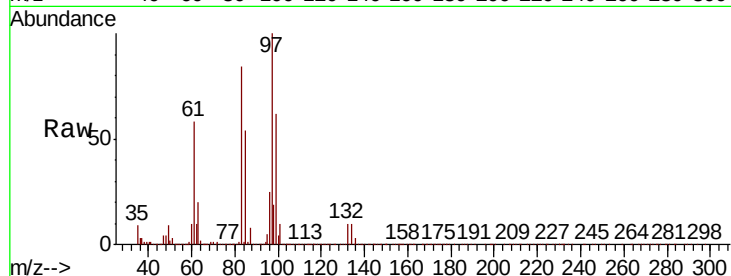
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.4	99.6
85	53.8	43.4	65.2
99	61.4	49.6	74.4

Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.487 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

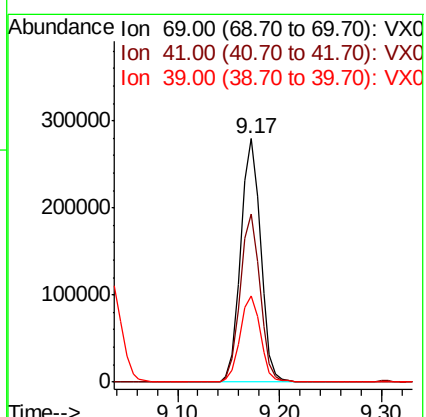
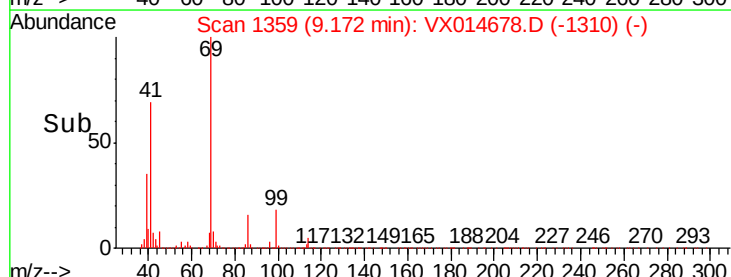
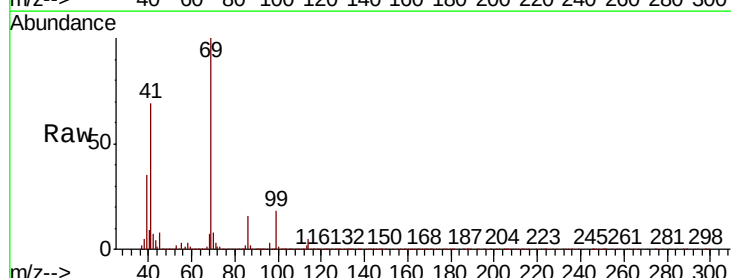
Tgt Ion: 69 Resp: 376258

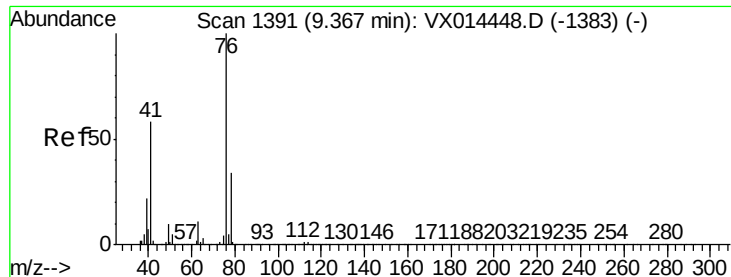
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.2	81.2
39	36.0	28.2	42.2

Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

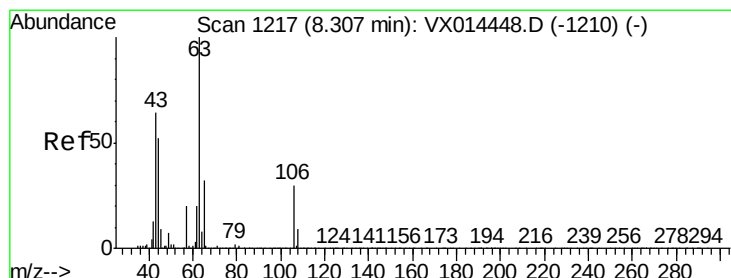
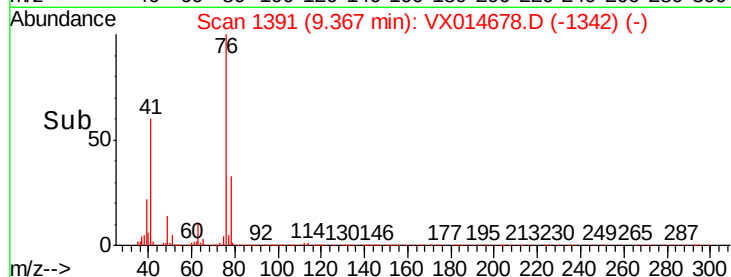
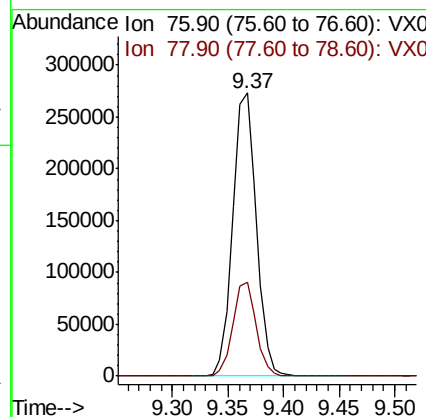
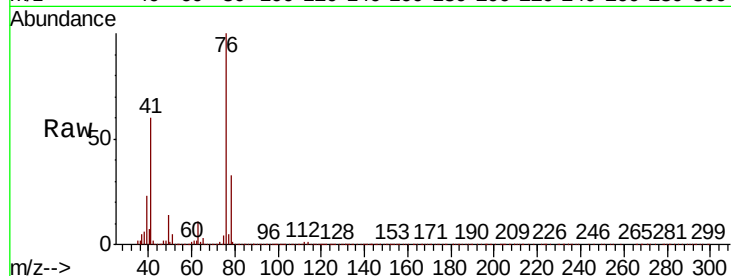




#57
 1,3-Dichloropropane
 Concen: 50.237 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

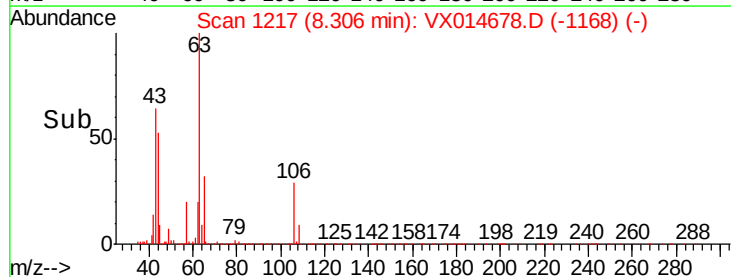
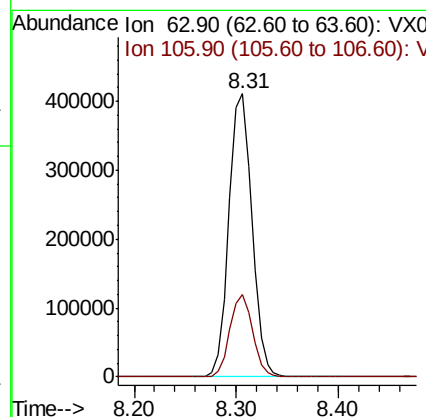
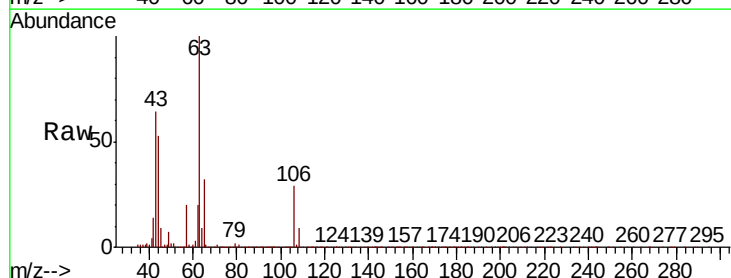
Instrument :
 MSVOA_X
 ClientSampleId :

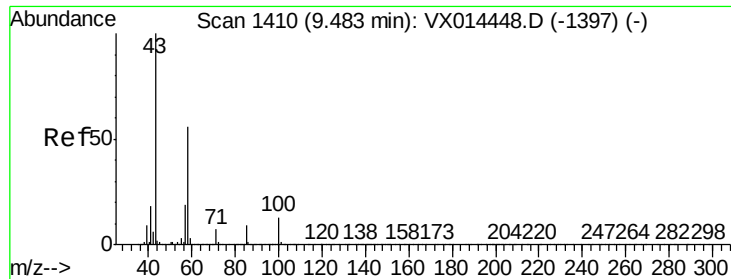
Tot Ion: 76 Resp: 400658
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.570 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

Tgt Ion: 63 Resp: 642895
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.6 35.4





#59

2-Hexanone

Concen: 259.434 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

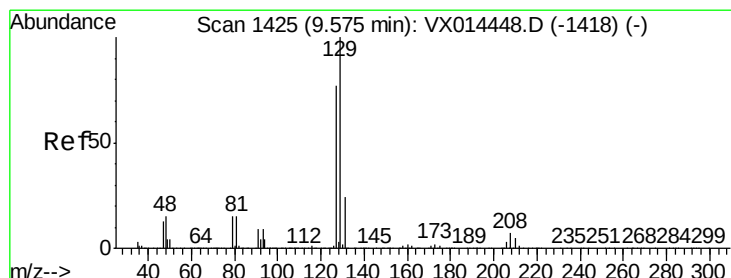
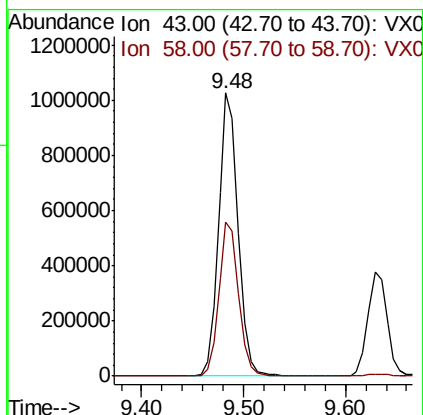
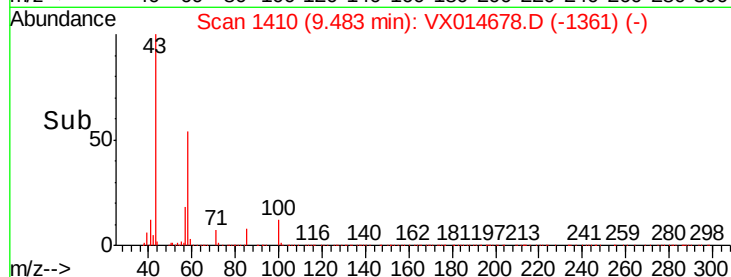
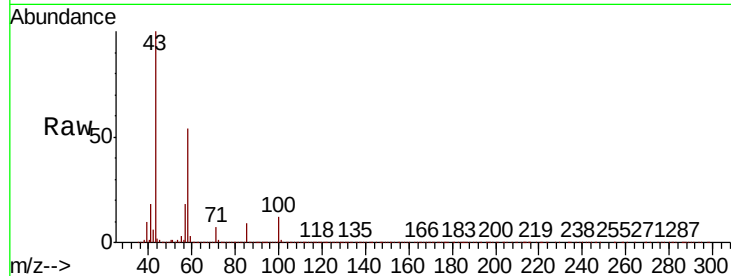
ClientSampled :

Tot Ion: 43 Resp: 1371937

Ion Ratio Lower Upper

43 100

58 54.9 27.9 83.7



#60

Dibromochloromethane

Concen: 52.514 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX014678.D

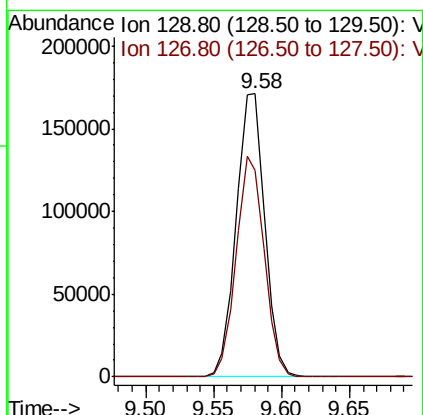
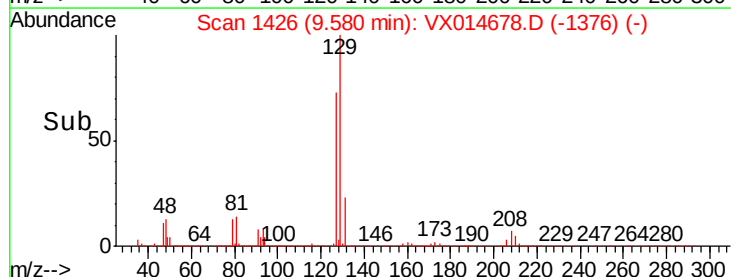
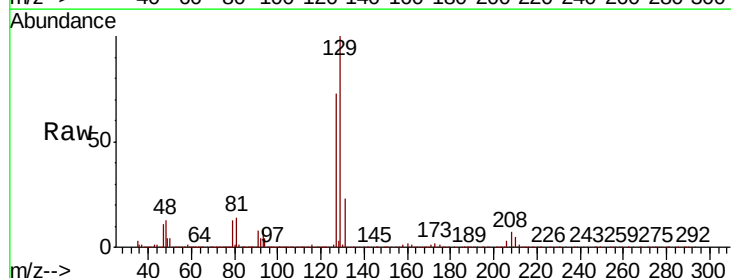
Acq: 21 Jan 2020 16:40

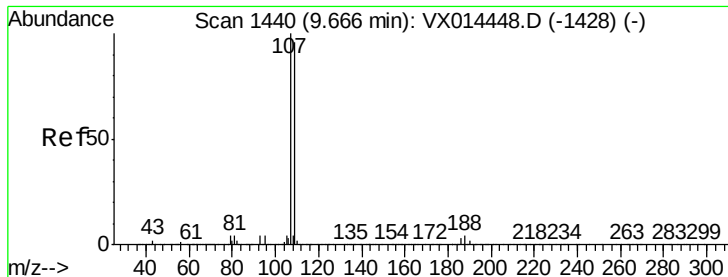
Tgt Ion:129 Resp: 251771

Ion Ratio Lower Upper

129 100

127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.158 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

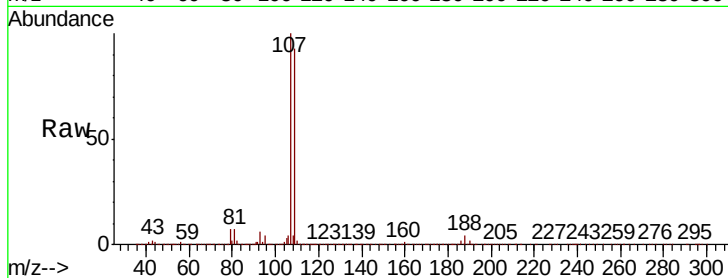
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 107 Resp: 248383

Ion Ratio Lower Upper

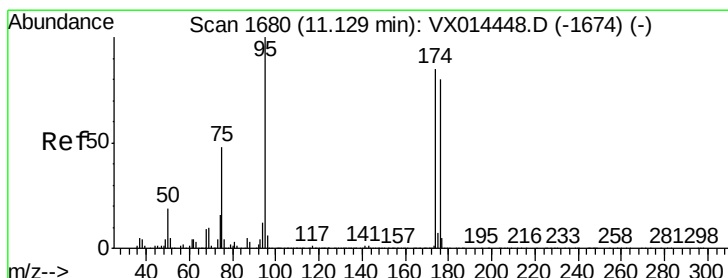
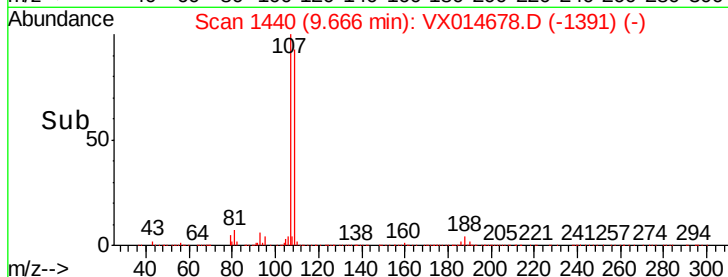
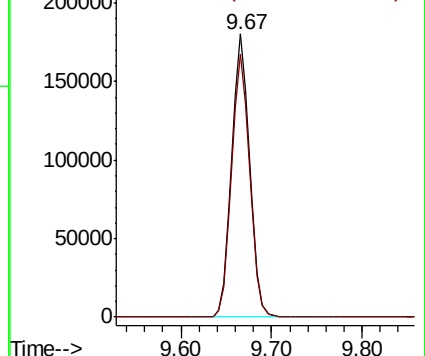
107 100

109 93.9 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.016 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

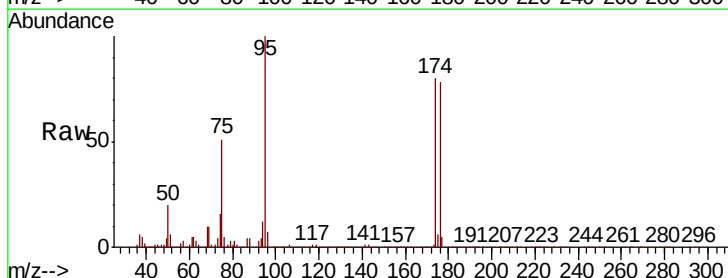
Tgt Ion: 95 Resp: 275228

Ion Ratio Lower Upper

95 100

174 88.4 0.0 180.8

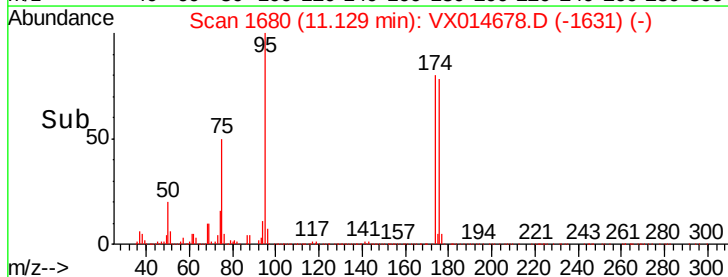
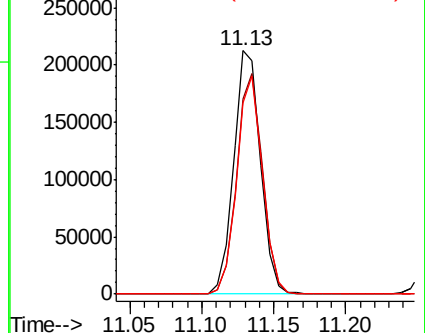
176 86.5 0.0 172.8

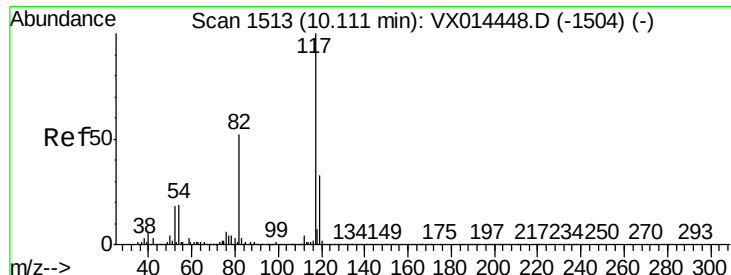


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

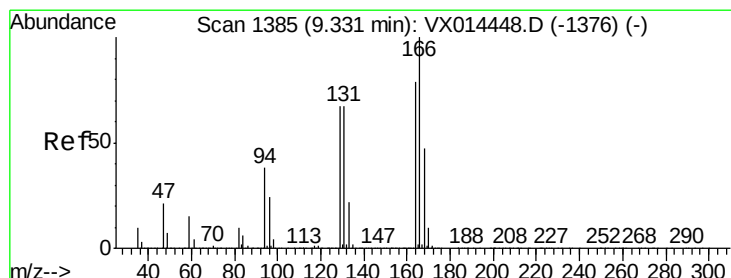
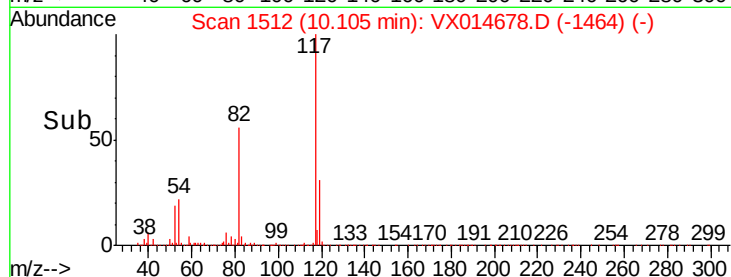
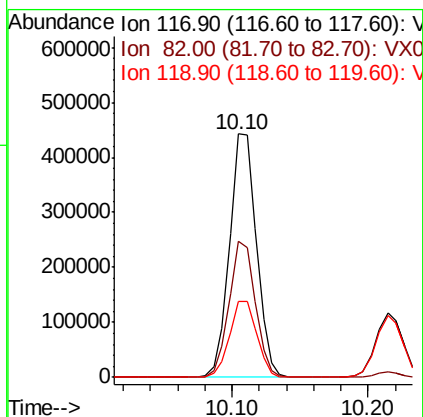
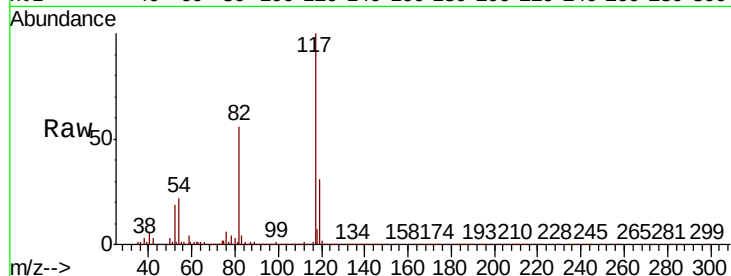




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

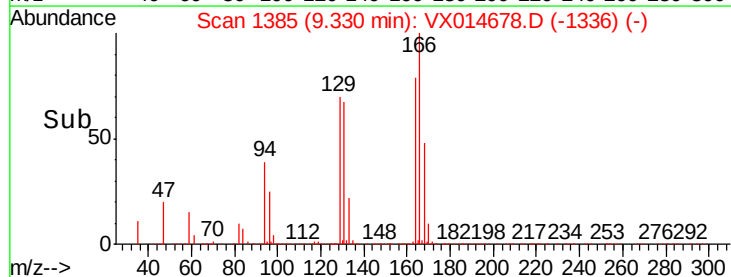
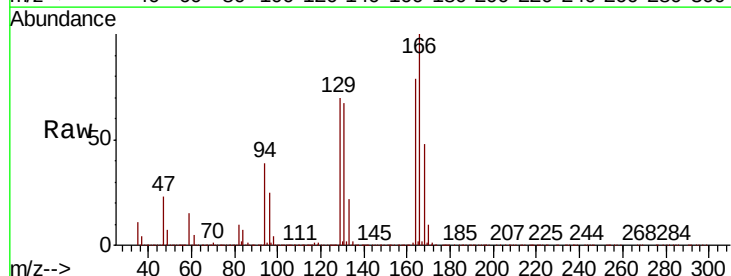
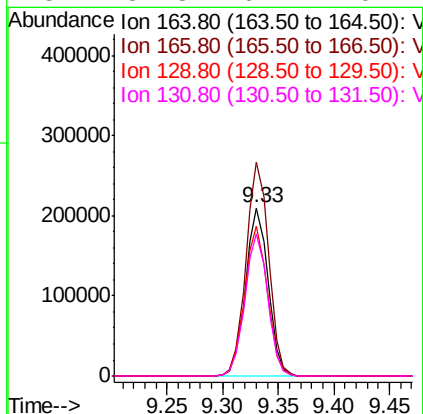
Instrument :
MSVOA_X
ClientSampled :

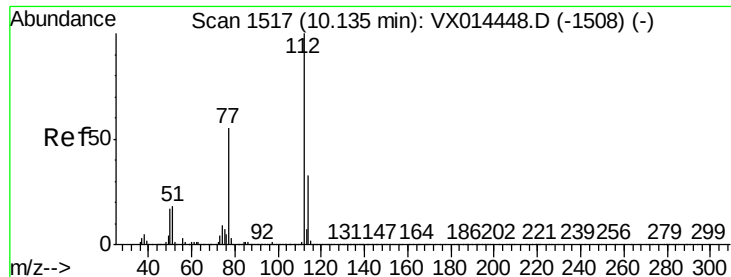
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	41.8	62.6
119	31.3	26.2	39.4



#64
Tetrachloroethene
Concen: 48.282 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.2	151.8
129	89.3	68.3	102.5
131	84.8	67.4	101.2

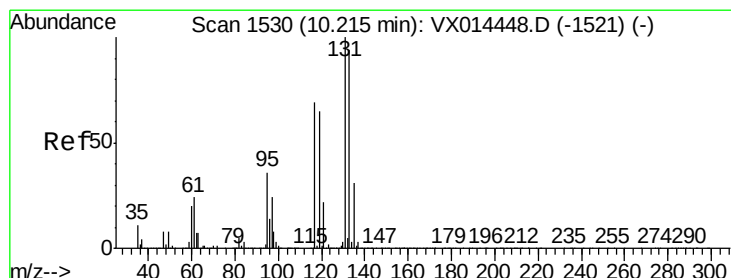
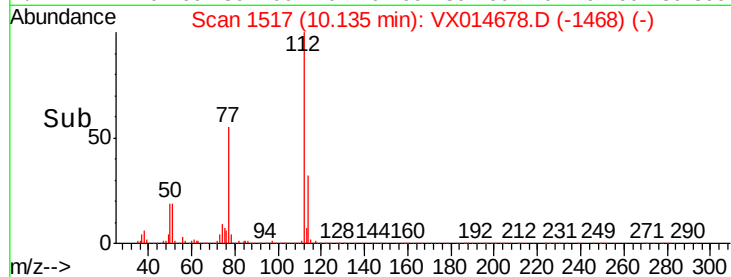
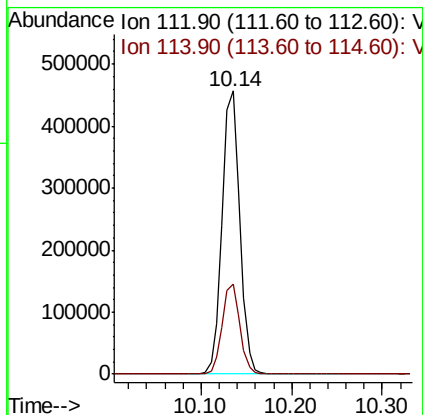
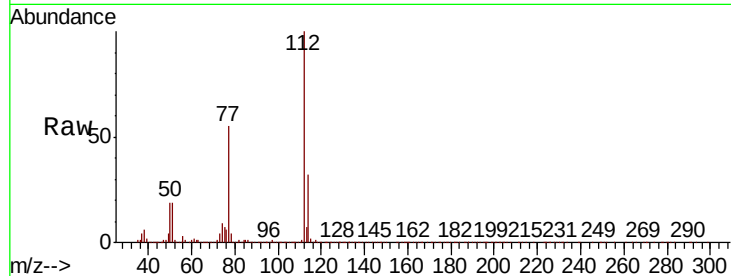




#65
Chlorobenzene
Concen: 46.771 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

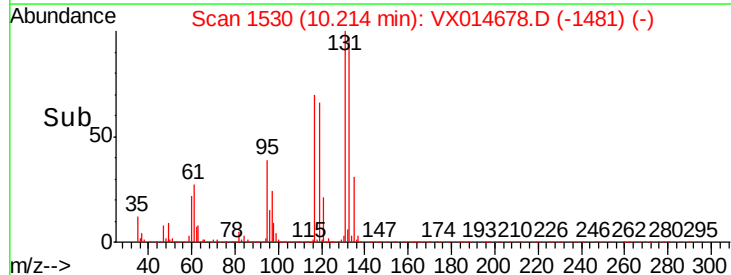
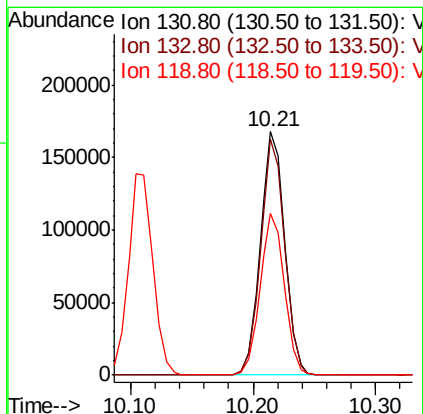
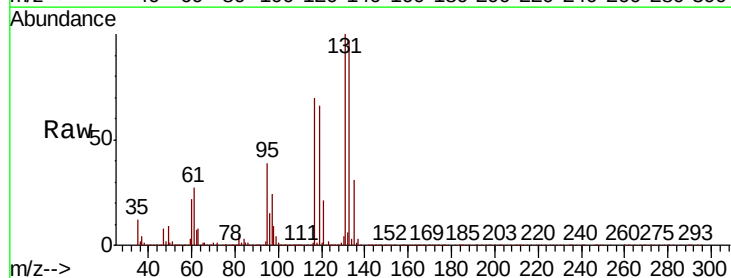
Instrument :
MSVOA_X
ClientSampled :

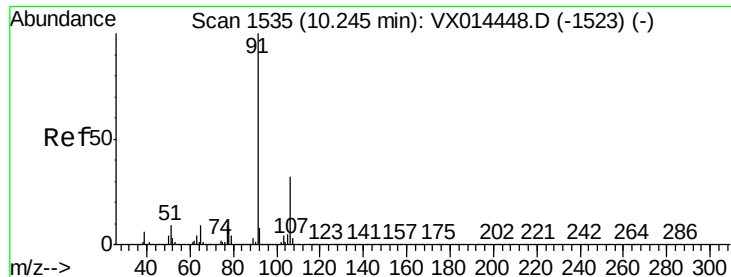
Tot Ion:112 Resp: 620479
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.099 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion:131 Resp: 232457
Ion Ratio Lower Upper
131 100
133 95.8 47.3 142.0
119 66.2 32.8 98.4





#67

Ethyl Benzene

Concen: 48.240 ug/l

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

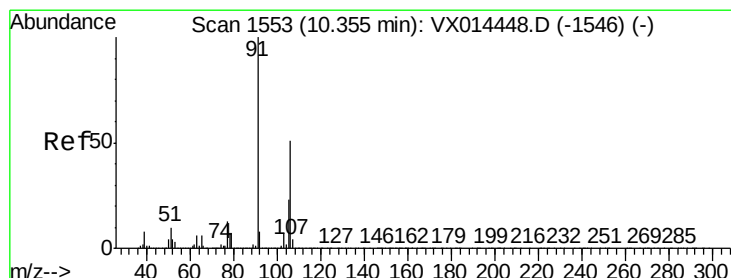
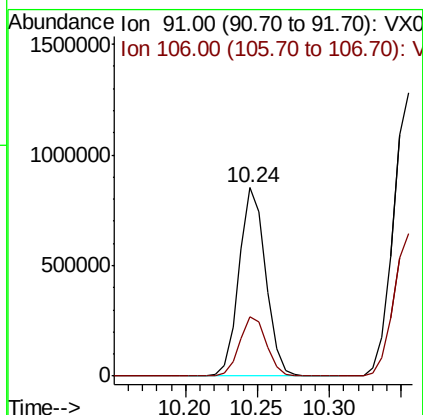
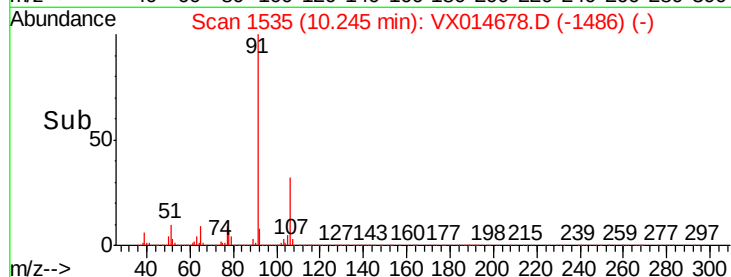
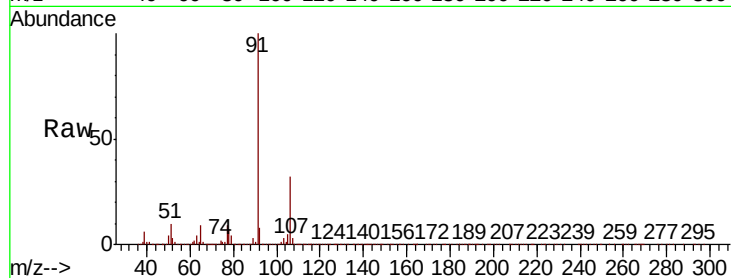
ClientSampleId :

Tot Ion: 91 Resp: 1090803

Ion Ratio Lower Upper

91 100

106 31.8 25.6 38.4



#68

m/p-Xylenes

Concen: 96.061 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX014678.D

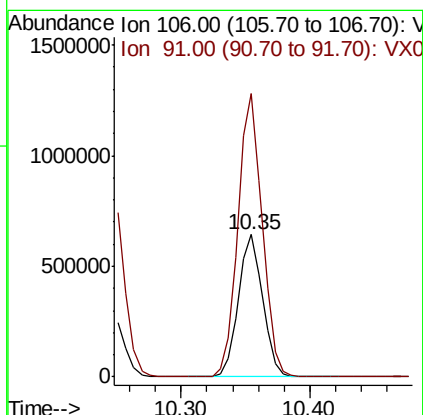
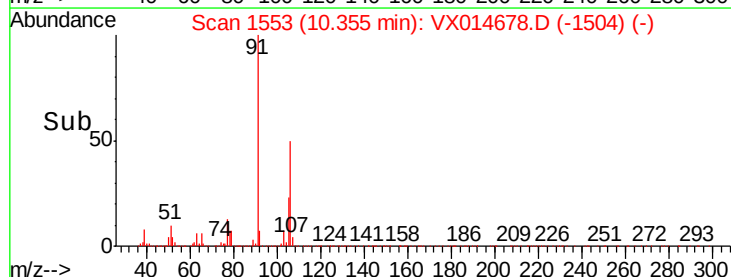
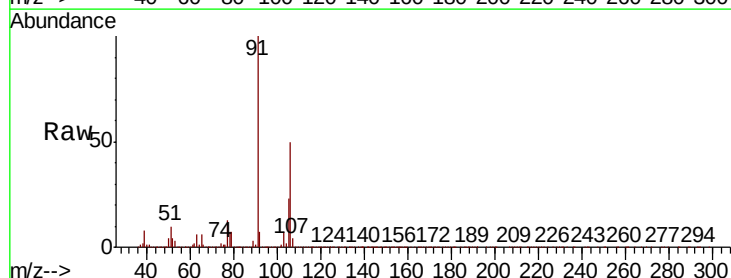
Acq: 21 Jan 2020 16:40

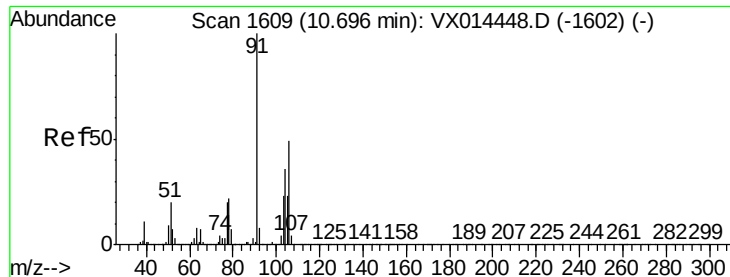
Tgt Ion: 106 Resp: 837998

Ion Ratio Lower Upper

106 100

91 199.2 157.4 236.0

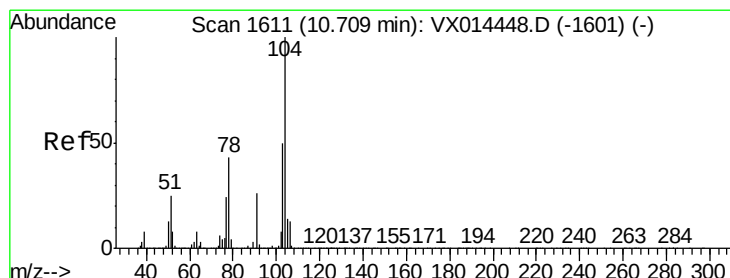
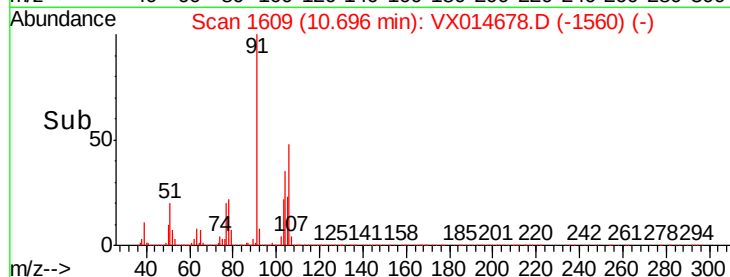
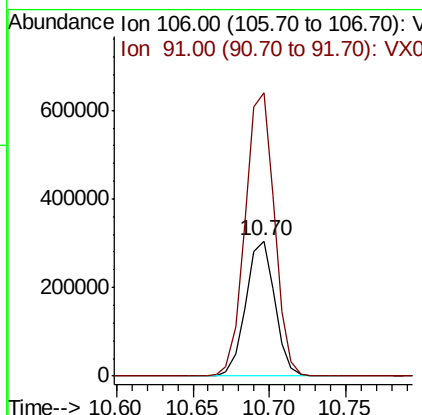
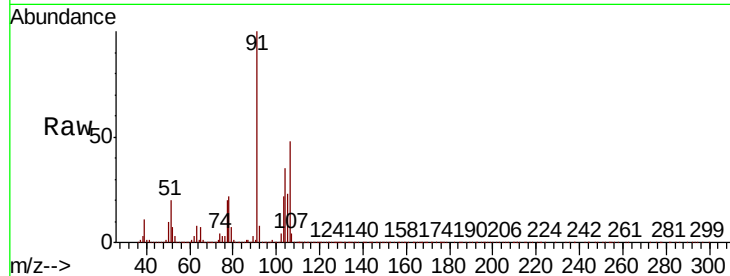




#69
o-Xylene
Concen: 48.080 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

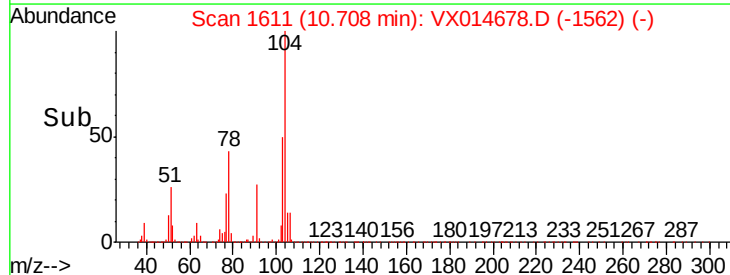
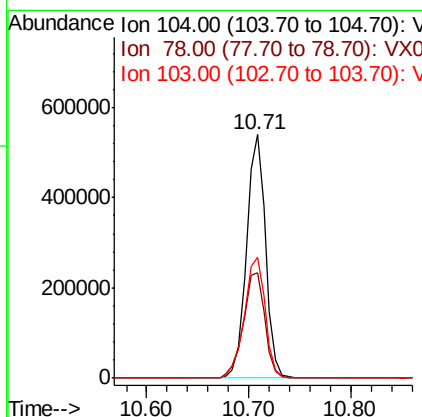
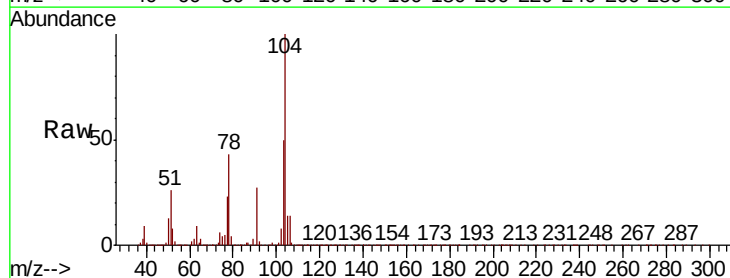
Instrument :
MSVOA_X
ClientSampleId :

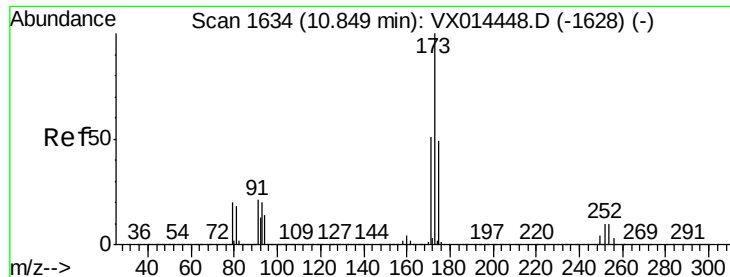
Tot Ion:106 Resp: 400185
Ion Ratio Lower Upper
106 100
91 212.0 105.1 315.1



#70
Styrene
Concen: 48.447 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion:104 Resp: 695895
Ion Ratio Lower Upper
104 100
78 48.8 38.6 58.0
103 54.2 43.7 65.5





#71

Bromoform

Concen: 49.368 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

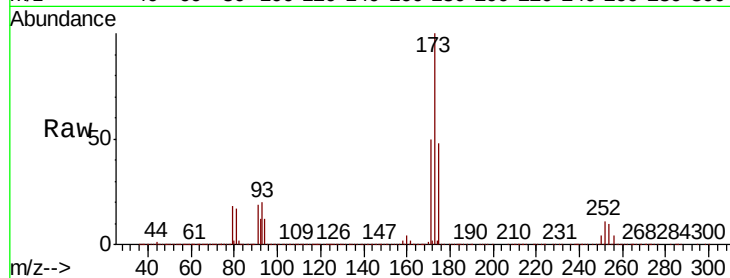
Tot Ion:173 Resp: 191230

Ion Ratio Lower Upper

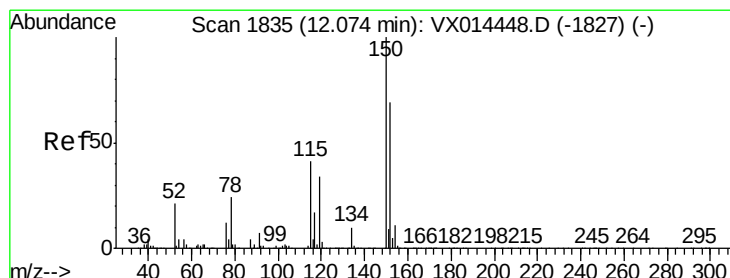
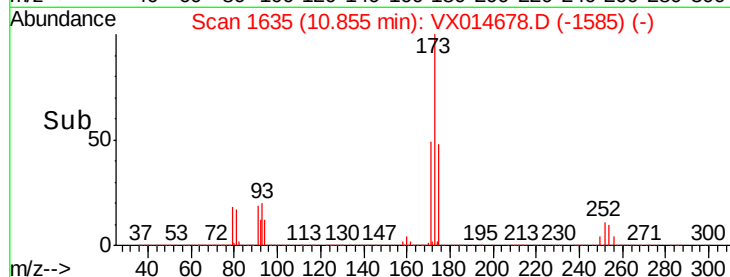
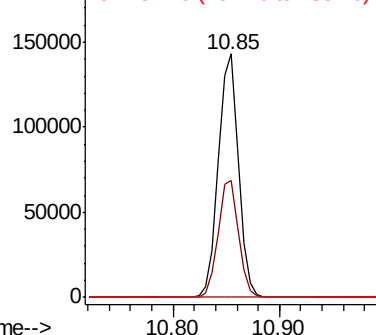
173 100

175 48.5 24.3 72.8

254 0.3 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

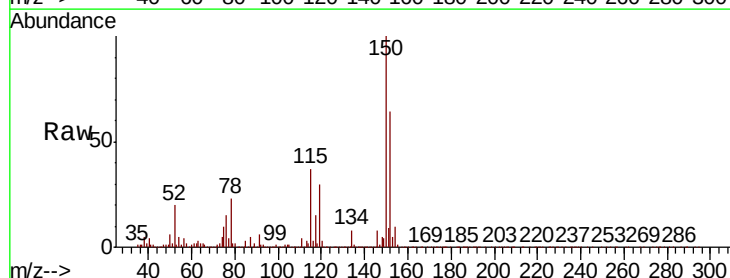
Tgt Ion:152 Resp: 309495

Ion Ratio Lower Upper

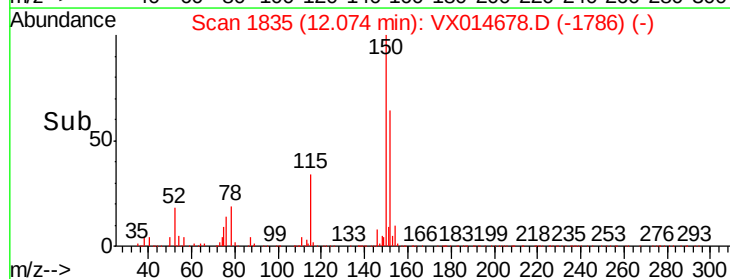
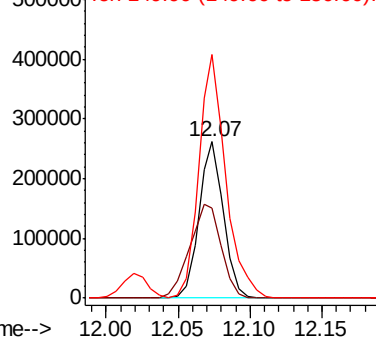
152 100

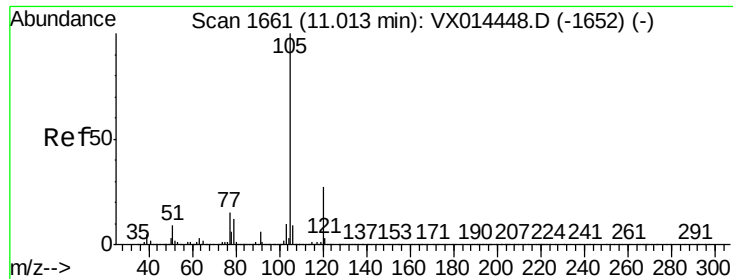
115 77.8 39.5 118.3

150 172.9 0.0 350.2



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





#73

Isopropylbenzene

Concen: 49.848 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

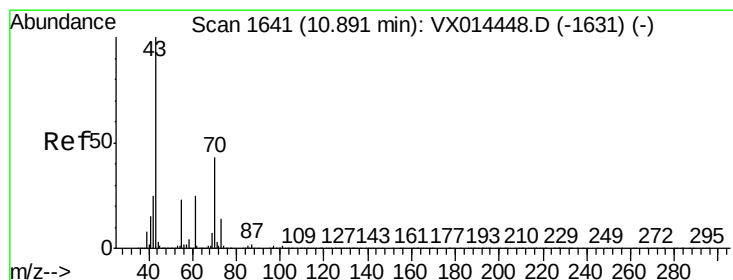
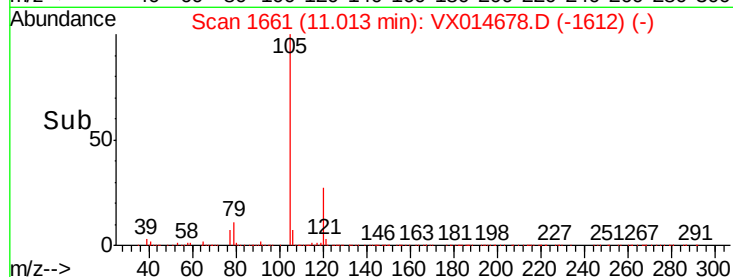
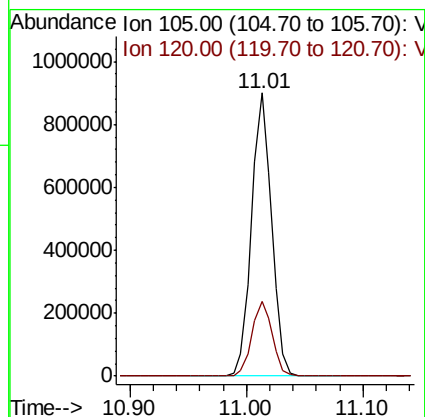
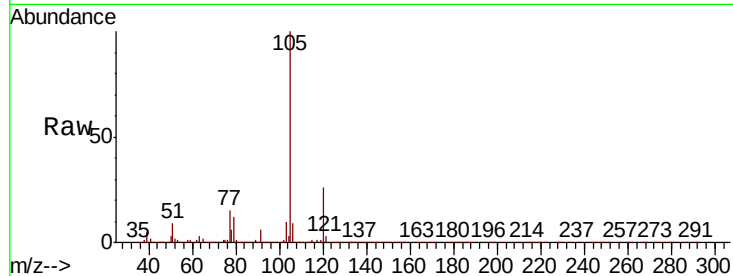
ClientSampled :

Tot Ion:105 Resp: 1083360

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 50.604 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Tgt Ion: 43 Resp: 485214

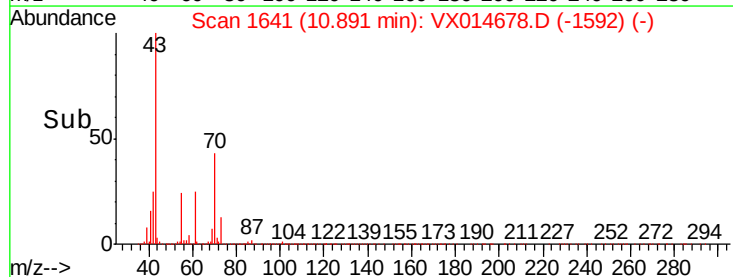
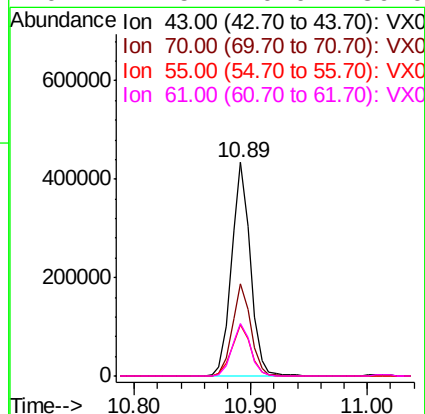
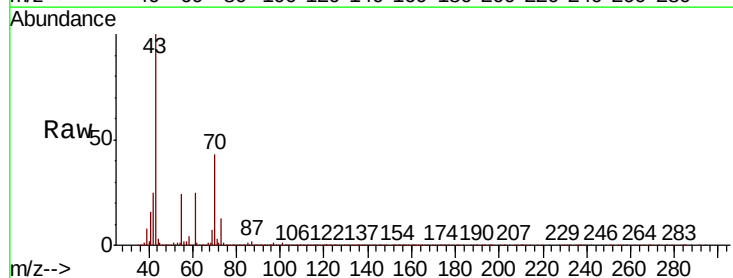
Ion Ratio Lower Upper

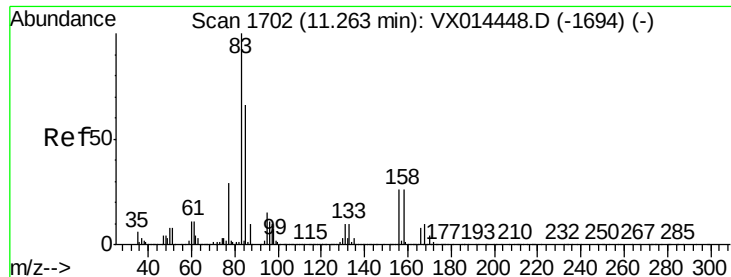
43 100

70 42.7 35.1 52.7

55 24.3 19.3 28.9

61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.579 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

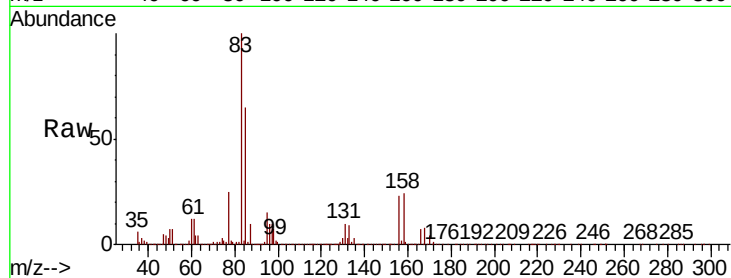
Tot Ion: 83 Resp: 352520

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.4

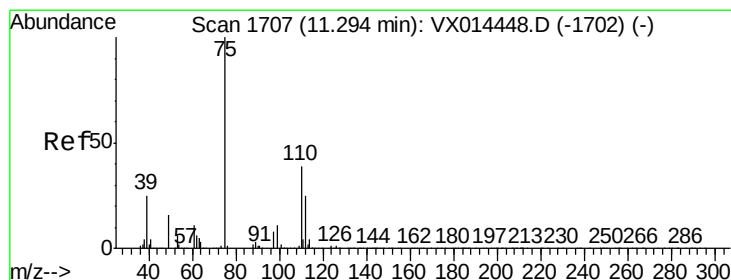
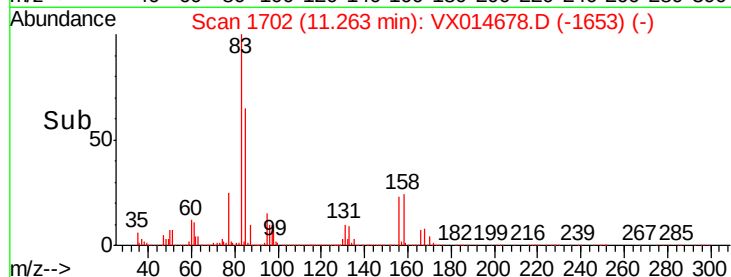
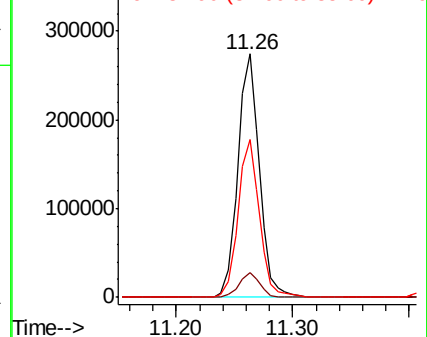
85 64.2 32.5 97.4



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: 65.770 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014678.D

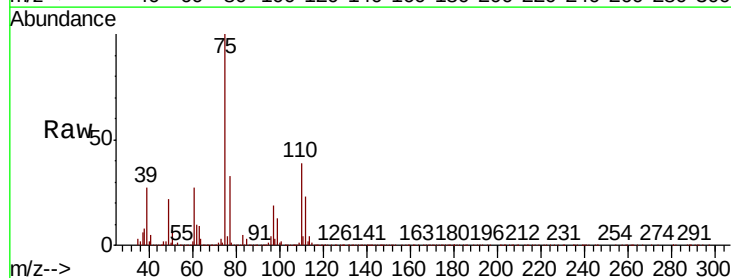
Acq: 21 Jan 2020 16:40

Tgt Ion: 75 Resp: 421158

Ion Ratio Lower Upper

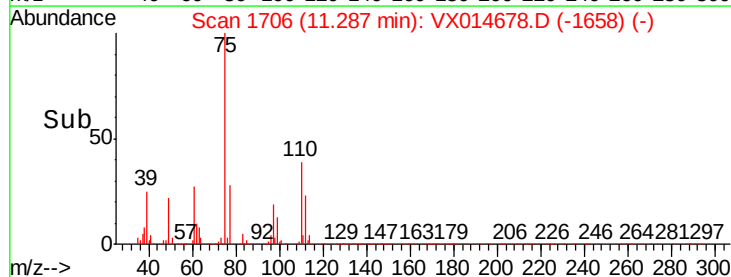
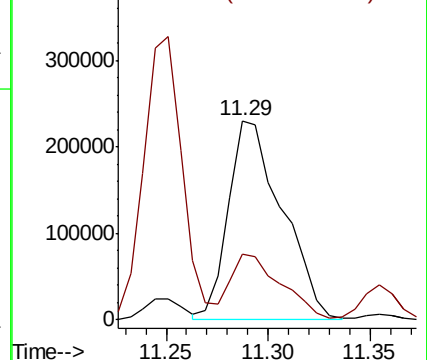
75 100

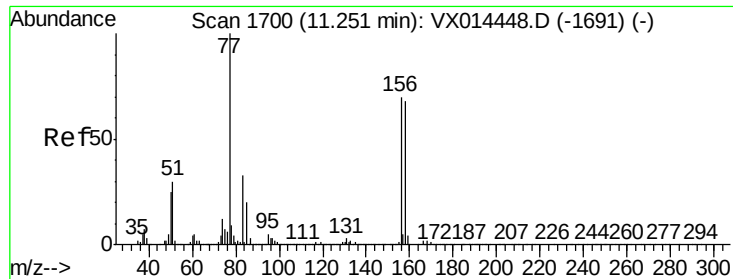
77 30.5 21.9 65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.202 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

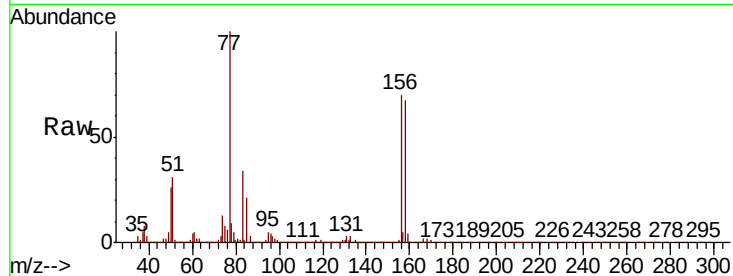
Tot Ion:156 Resp: 278464

Ion Ratio Lower Upper

156 100

77 154.9 75.4 226.3

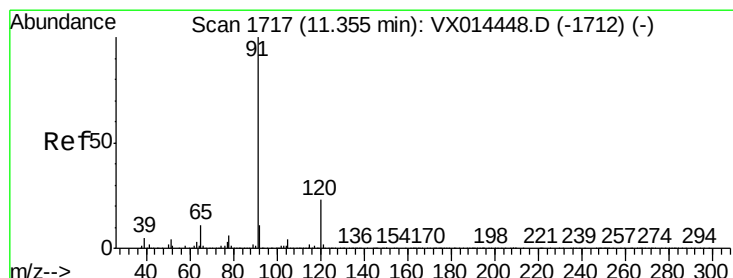
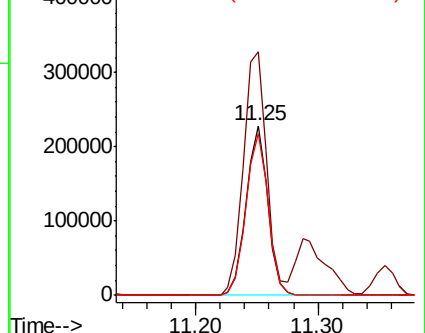
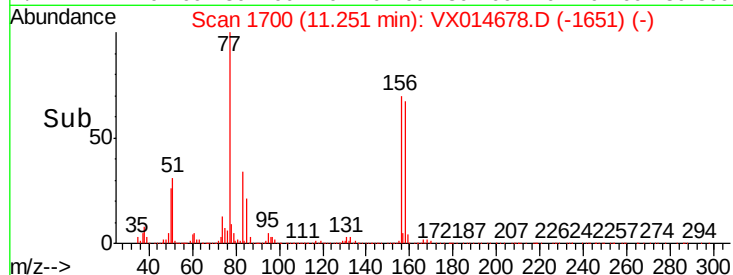
158 97.9 48.8 146.3



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: 49.321 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX014678.D

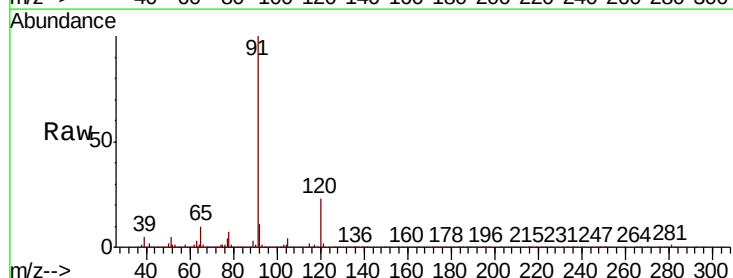
Acq: 21 Jan 2020 16:40

Tgt Ion: 91 Resp: 1227606

Ion Ratio Lower Upper

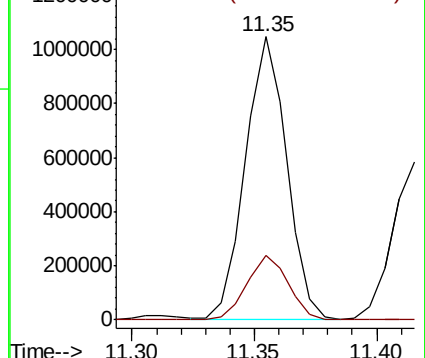
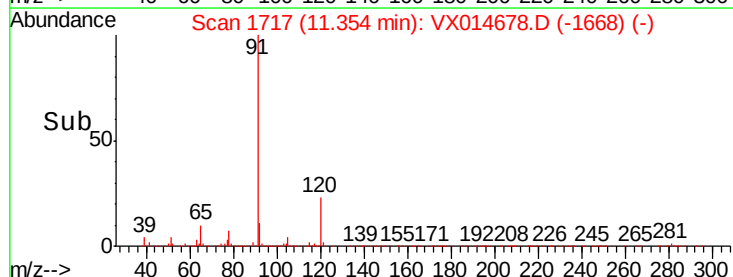
91 100

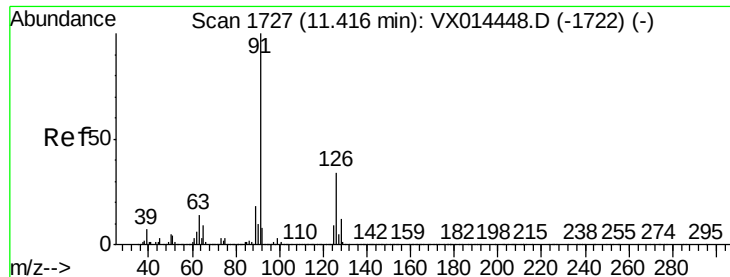
120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

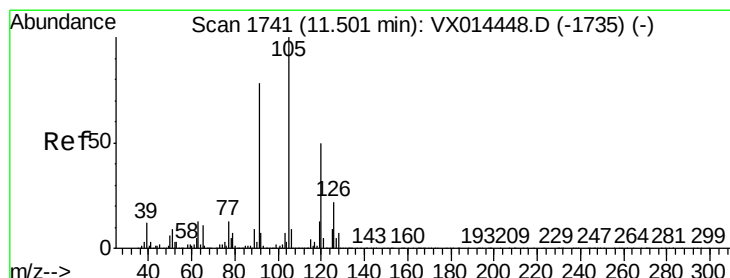
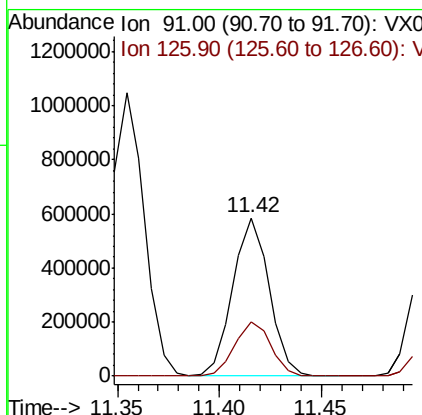
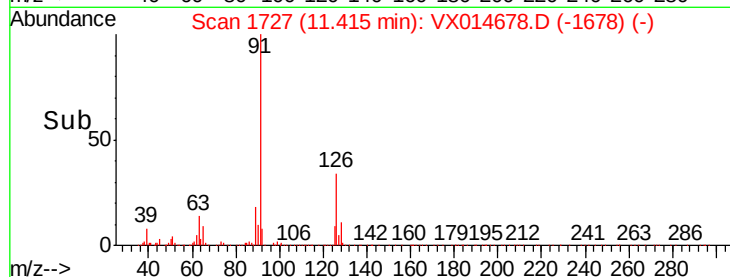
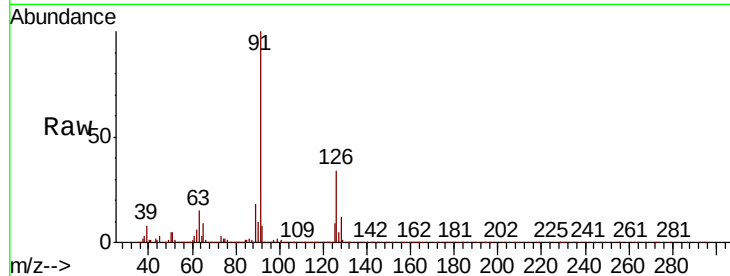




#79
 2-Chlorotoluene
 Concen: 48.606 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

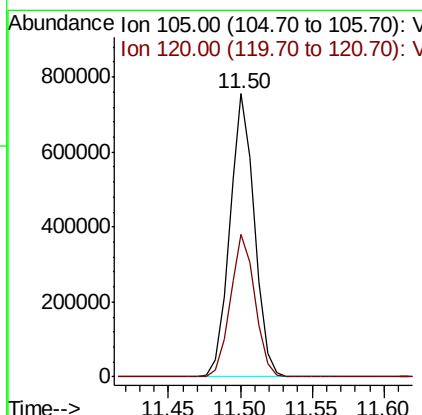
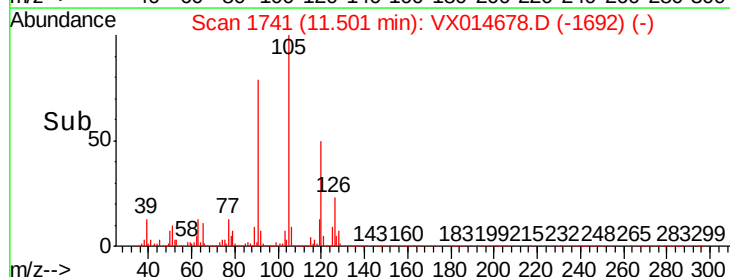
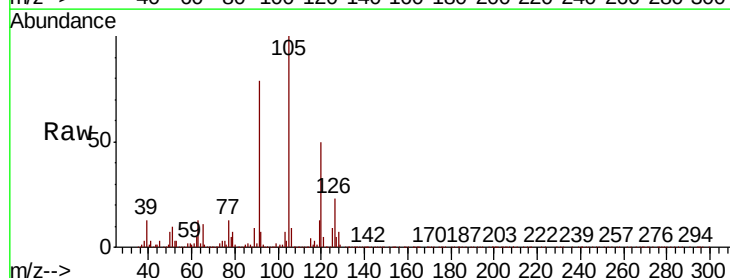
Instrument :
 MSVOA_X
 ClientSampled :

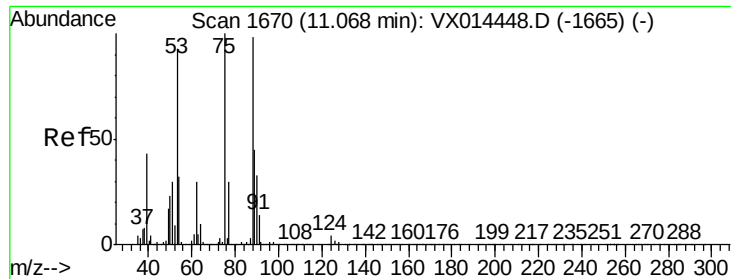
Tot Ion: 91 Resp: 721027
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 49.922 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

Tgt Ion: 105 Resp: 900772
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.725 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

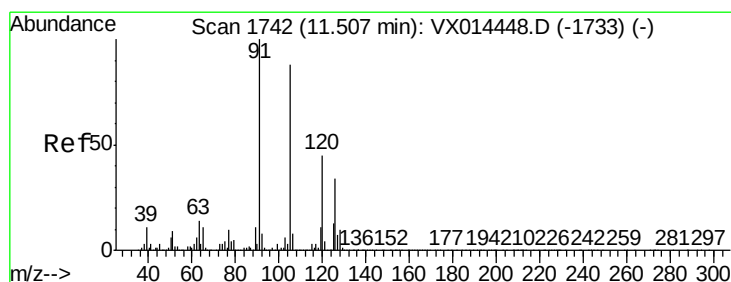
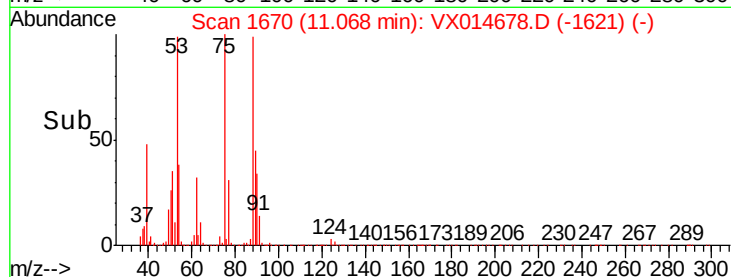
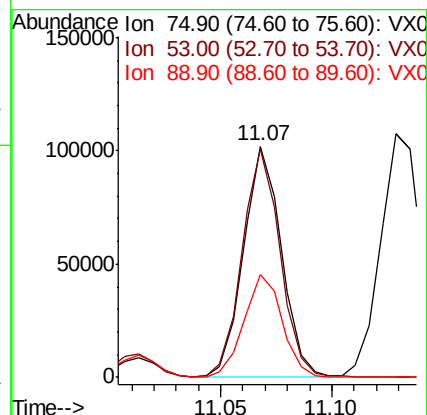
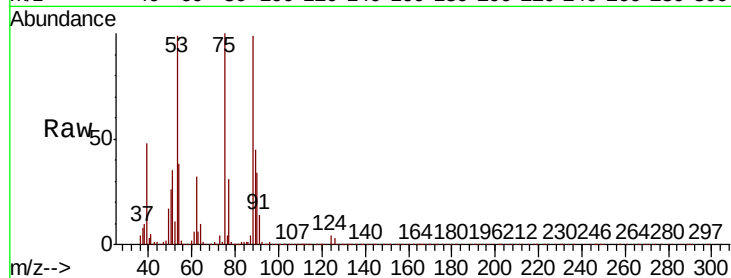
Tot Ion: 75 Resp: 120437

Ion Ratio Lower Upper

75 100

53 98.6 74.8 112.2

89 45.5 36.3 54.5



#82

4-Chlorotoluene

Concen: 47.815 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX014678.D

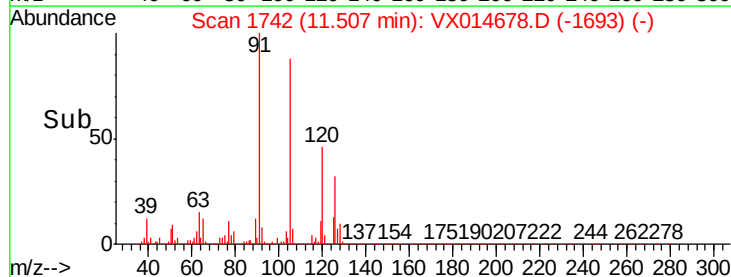
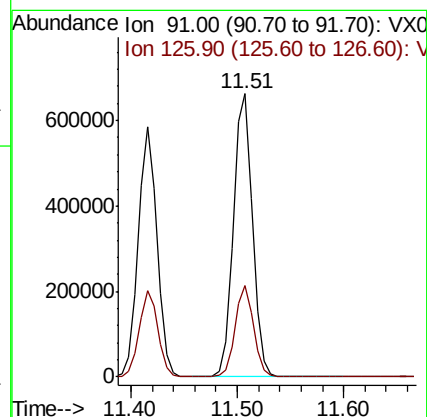
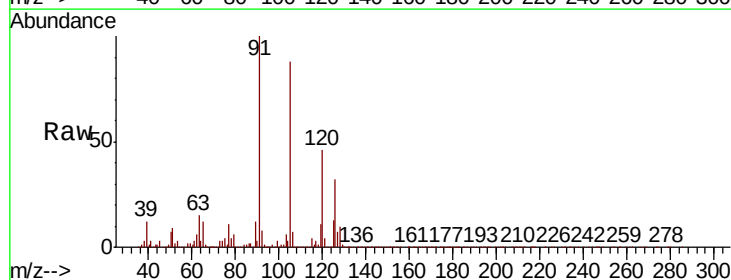
Acq: 21 Jan 2020 16:40

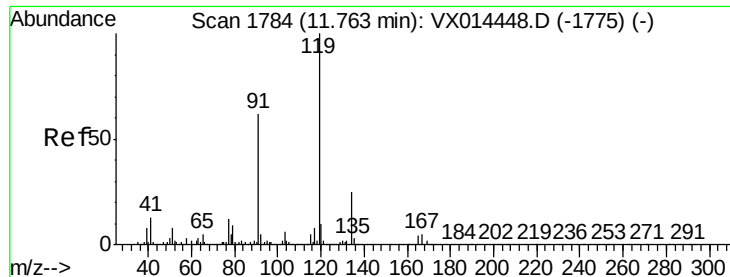
Tgt Ion: 91 Resp: 832585

Ion Ratio Lower Upper

91 100

126 31.0 15.9 47.7

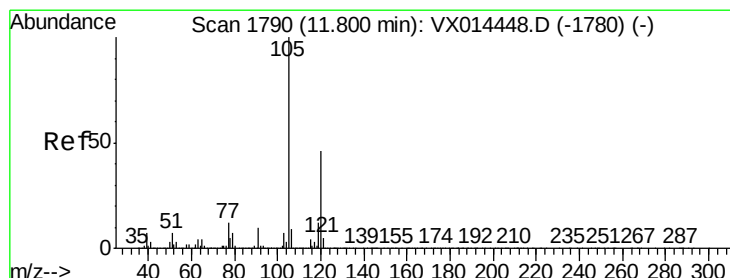
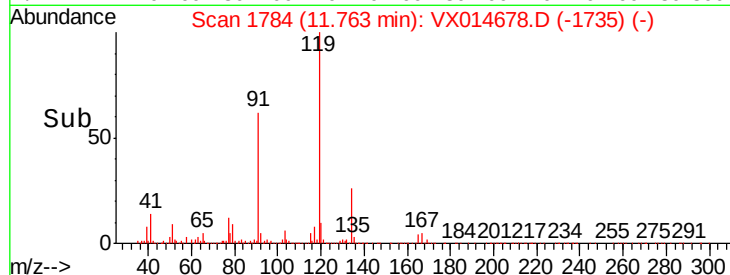
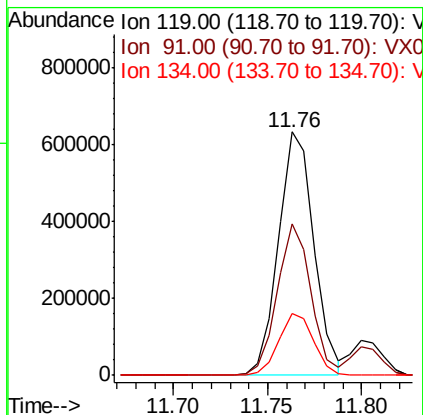
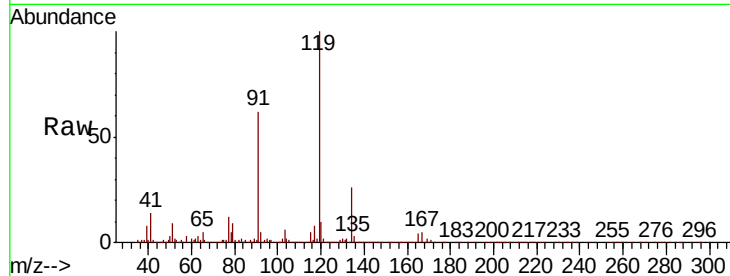




#83
 tert-Butylbenzene
 Concen: 48.472 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

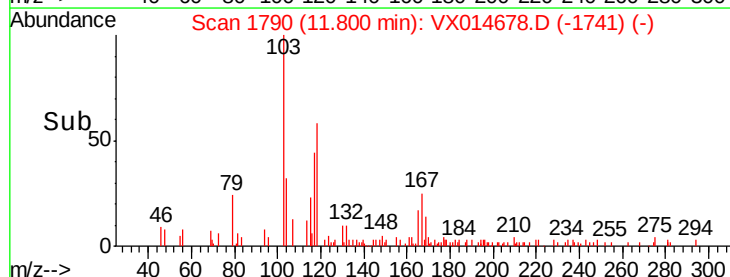
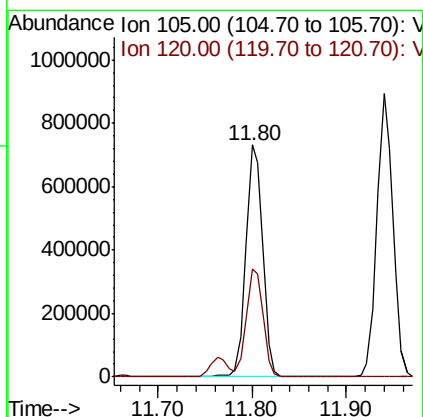
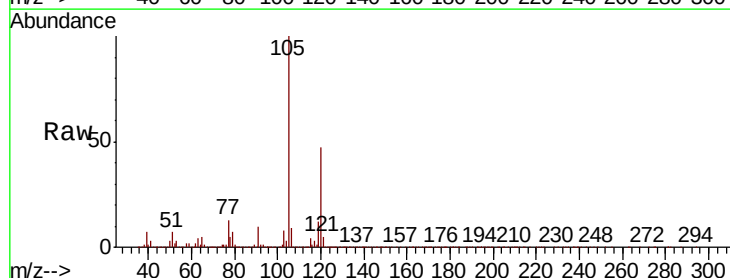
Instrument :
 MSVOA_X
 ClientSampleId :

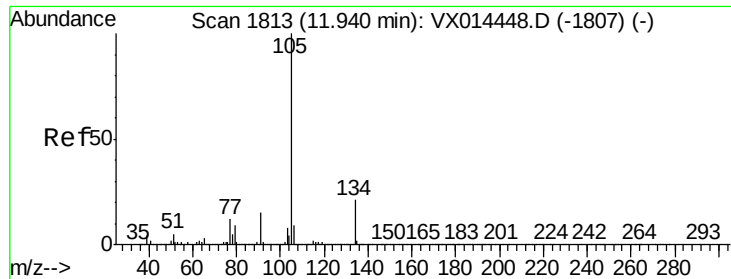
Tot Ion	Ratio	Lower	Upper
119	100		
91	59.1	29.3	88.0
134	25.1	12.4	37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 49.726 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX014678.D
 Acq: 21 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.3





#85

sec-Butylbenzene

Concen: 49.787 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

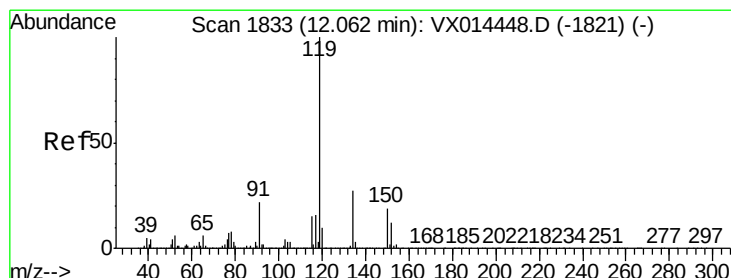
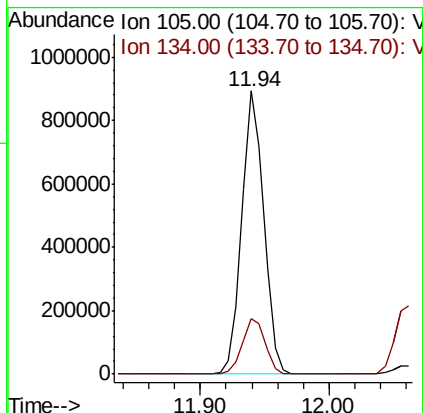
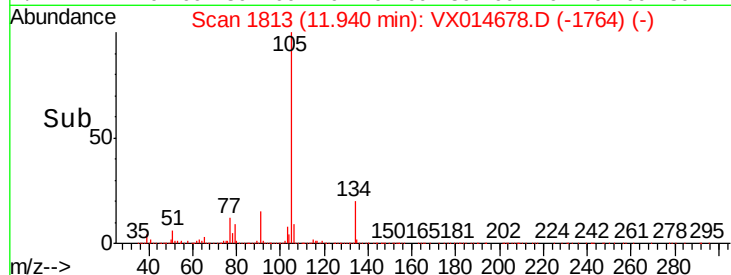
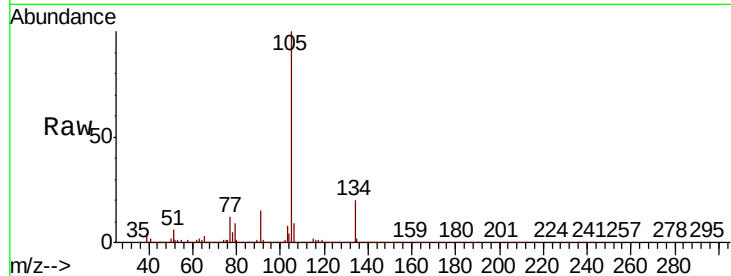
ClientSampleId :

Tot Ion:105 Resp: 1055189

Ion Ratio Lower Upper

105 100

134 20.3 10.5 31.5



#86

p-Isopropyltoluene

Concen: 48.865 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

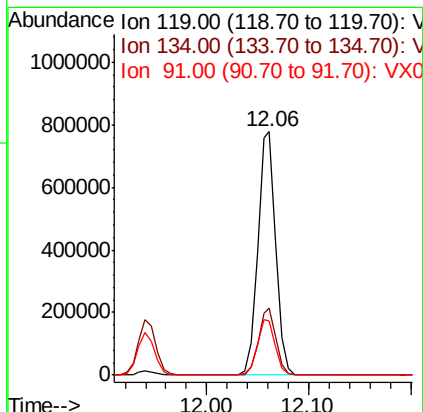
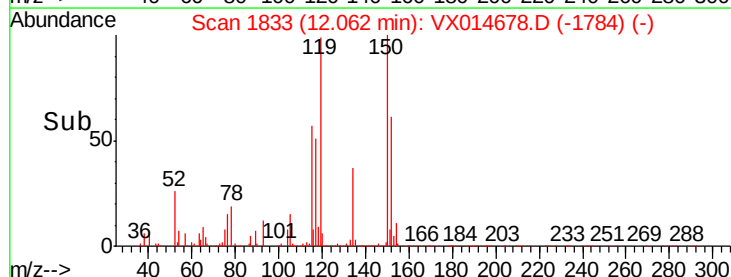
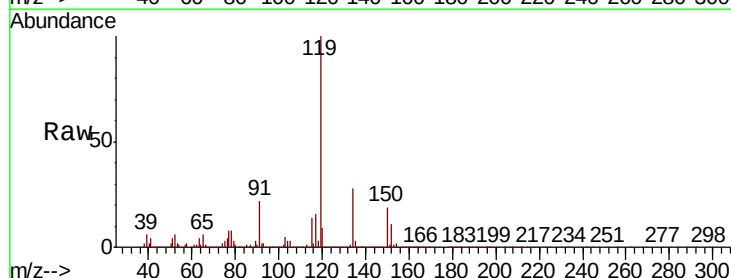
Tgt Ion:119 Resp: 961035

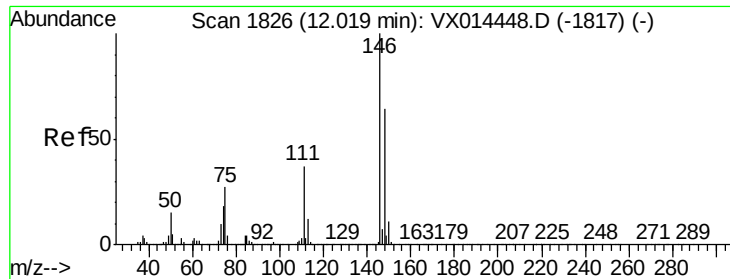
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.8 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 45.753 ug/l

RT: 12.02 min Scan# 1826

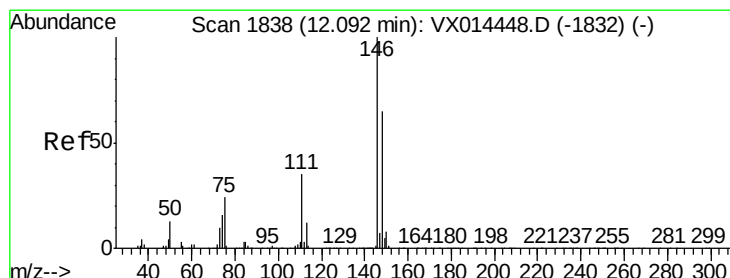
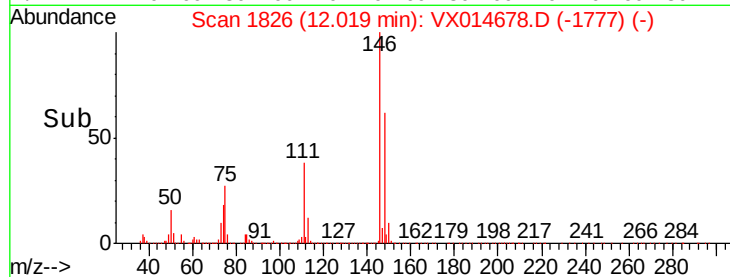
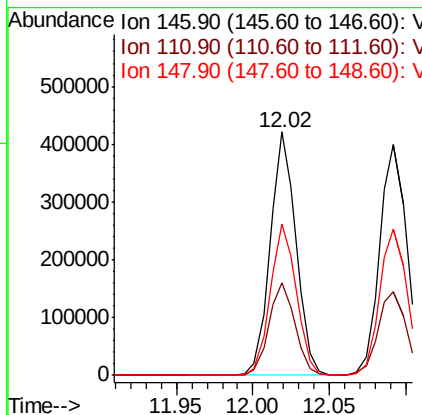
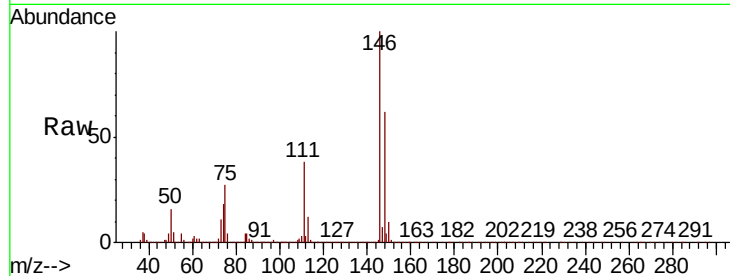
Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.7
148	63.2	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 48.361 ug/l

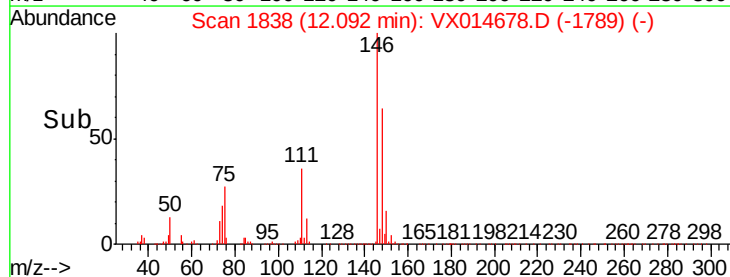
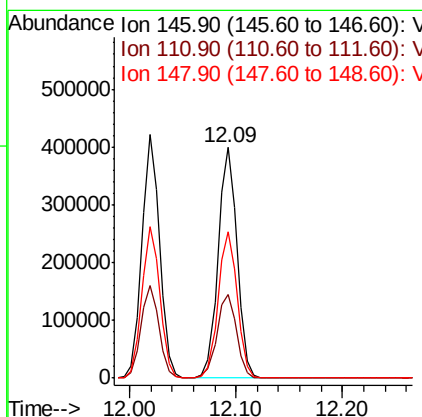
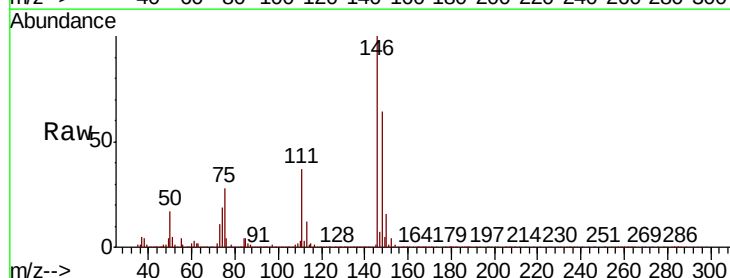
RT: 12.09 min Scan# 1838

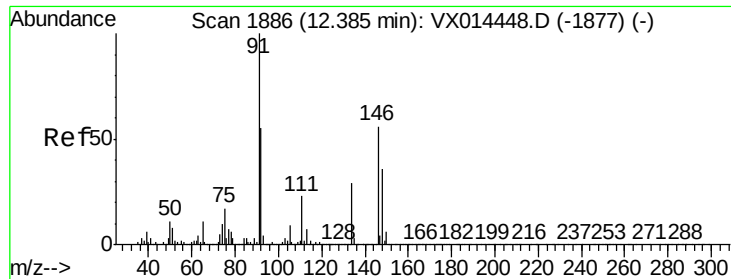
Delta R.T. 0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.1
148	64.0	32.1	96.3

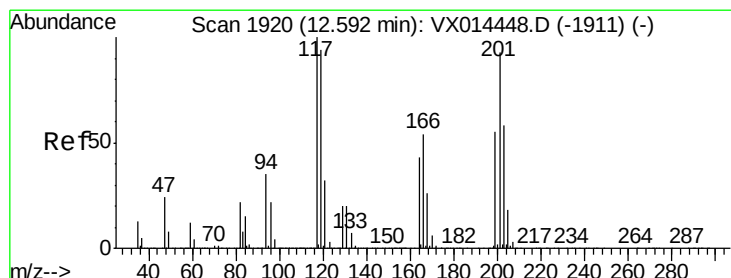
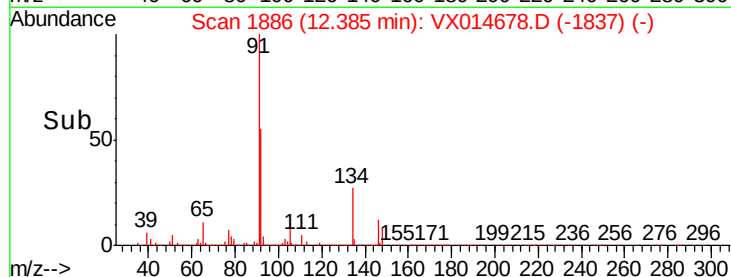
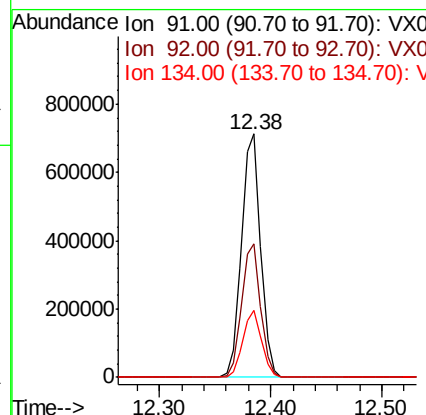
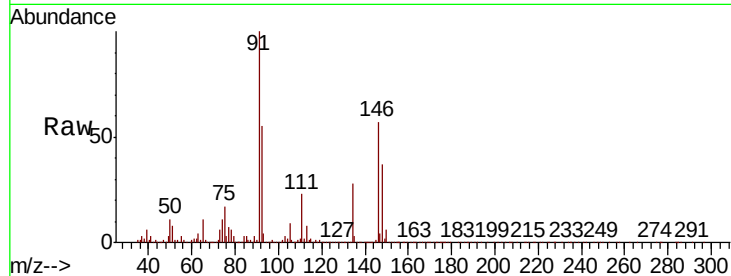




#89
n-Butylbenzene
Concen: 47.009 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

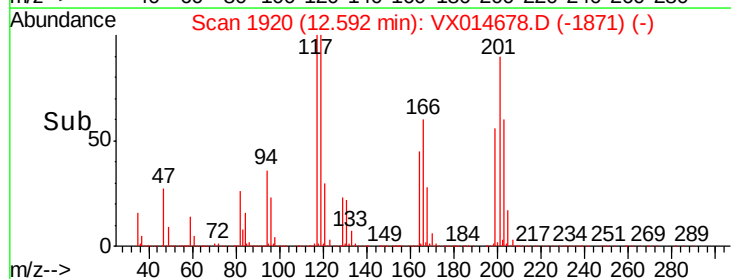
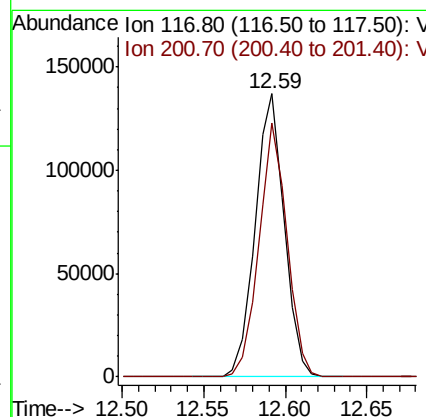
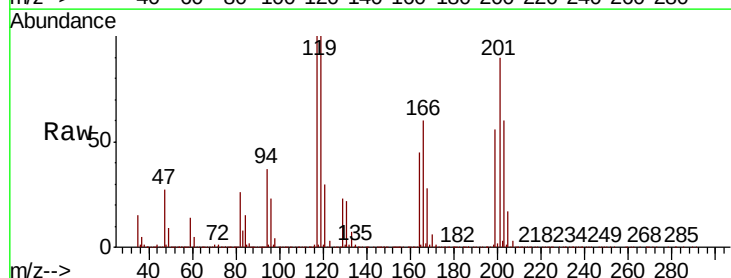
Instrument :
MSVOA_X
ClientSampled :

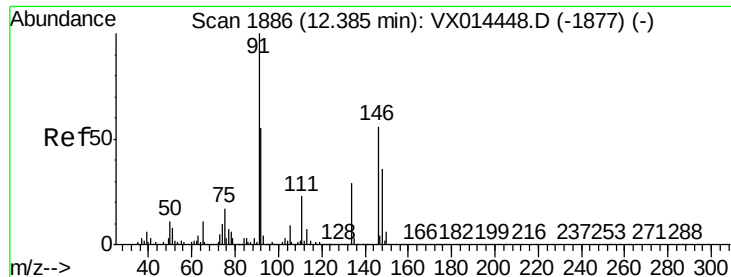
Tot Ion: 91 Resp: 845337
Ion Ratio Lower Upper
91 100
92 54.5 27.4 82.2
134 26.8 13.9 41.7



#90
Hexachloroethane
Concen: 49.014 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014678.D
Acq: 21 Jan 2020 16:40

Tgt Ion: 117 Resp: 169327
Ion Ratio Lower Upper
117 100
201 87.2 44.8 134.3





#91

1,2-Dichlorobenzene

Concen: 47.438 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

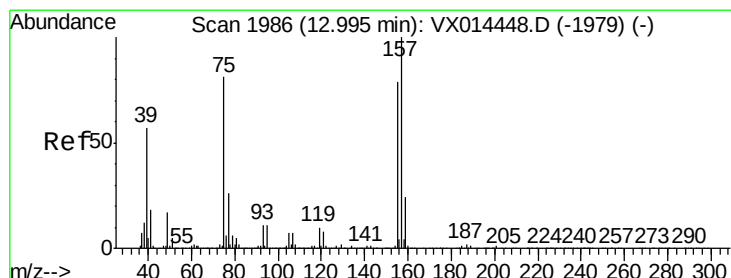
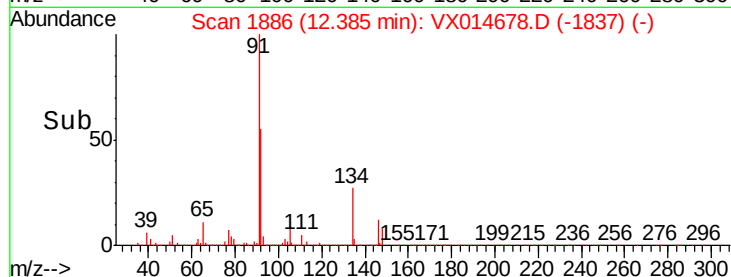
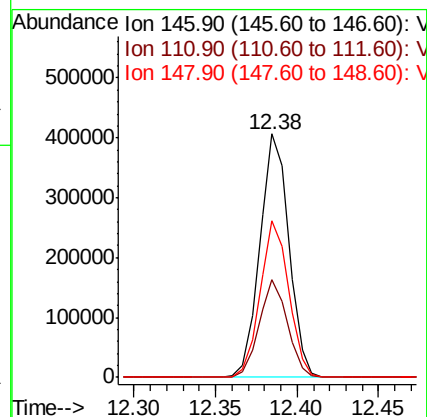
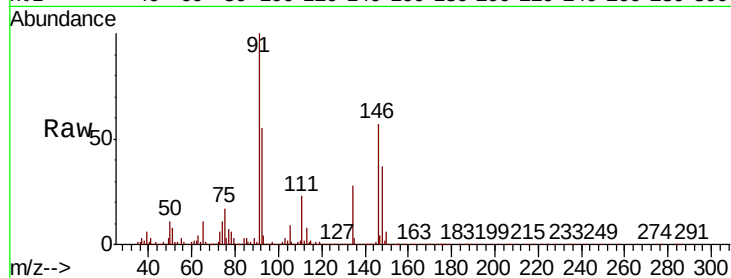
Tot Ion:146 Resp: 502728

Ion Ratio Lower Upper

146 100

111 39.3 19.8 59.4

148 63.6 32.3 96.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.995 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

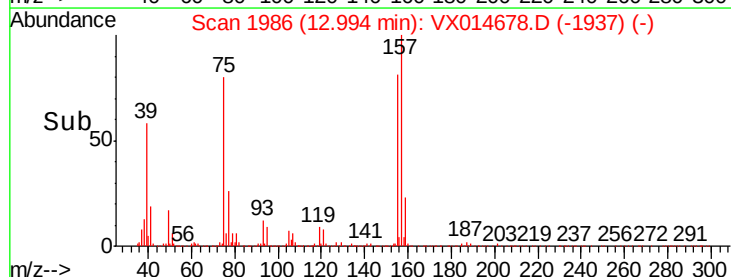
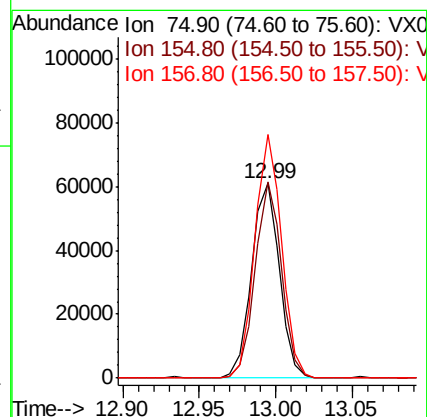
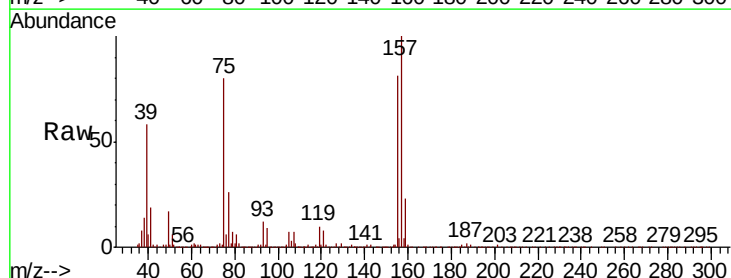
Tgt Ion: 75 Resp: 76813

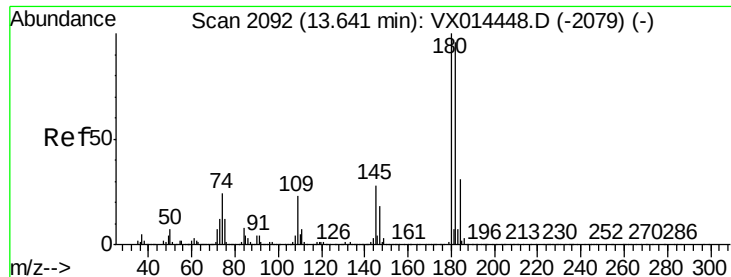
Ion Ratio Lower Upper

75 100

155 95.6 48.7 146.1

157 121.2 62.0 185.9





#93

1,2,4-Trichlorobenzene

Concen: 45.453 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

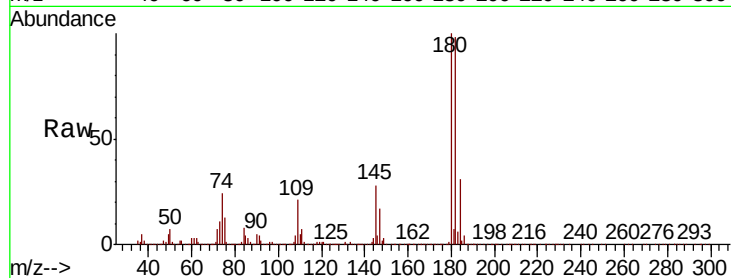
Tot Ion:180 Resp: 338144

Ion Ratio Lower Upper

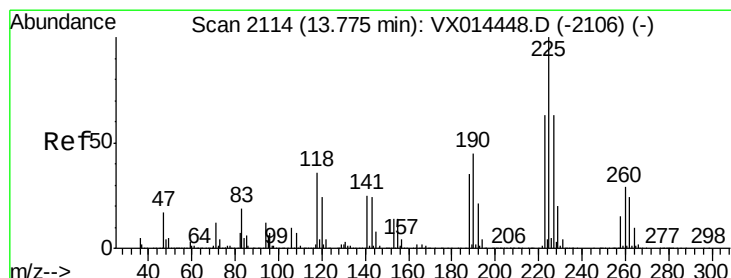
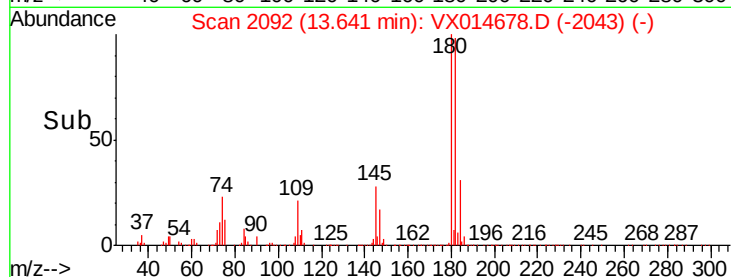
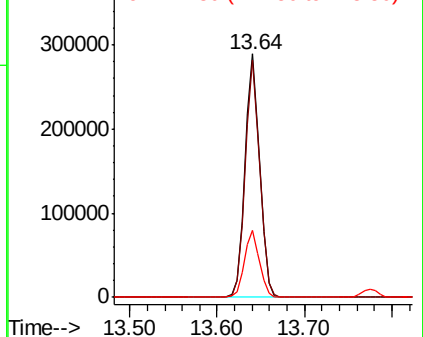
180 100

182 96.7 47.5 142.5

145 28.1 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 47.660 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

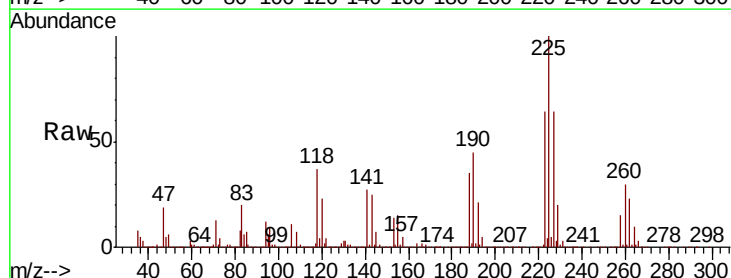
Tgt Ion:225 Resp: 166013

Ion Ratio Lower Upper

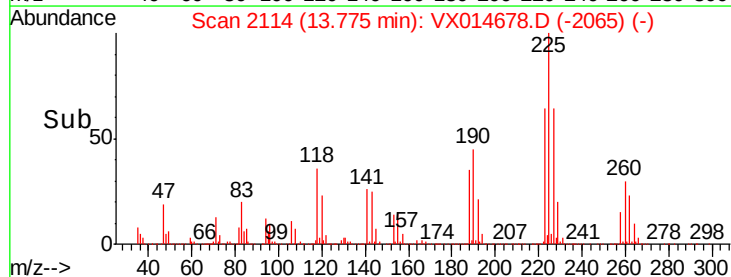
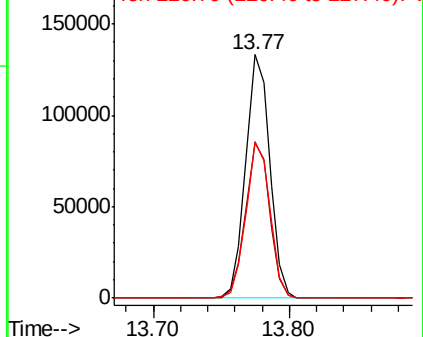
225 100

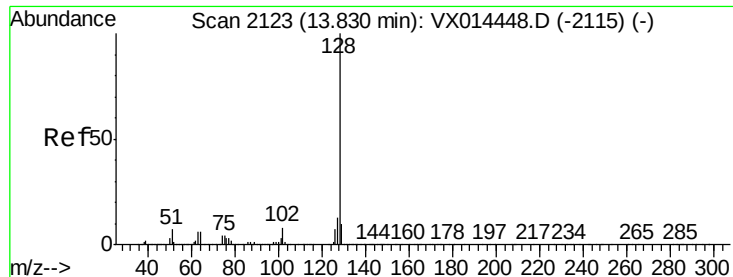
223 63.9 31.1 93.2

227 64.0 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.413 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

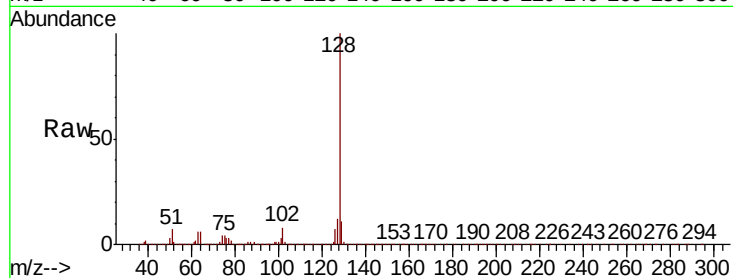
Tot Ion:128 Resp: 1025294

Ion Ratio Lower Upper

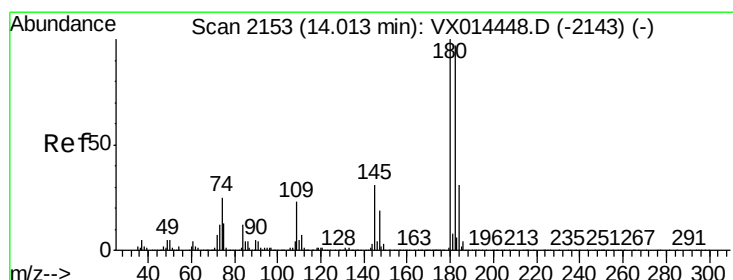
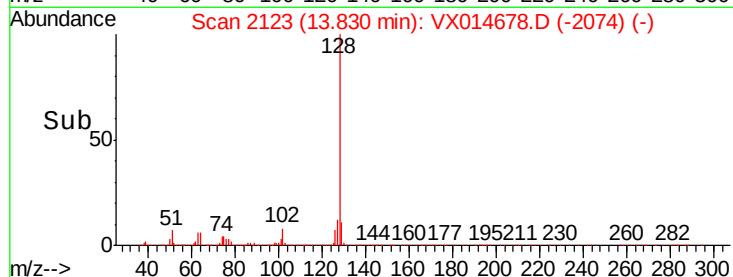
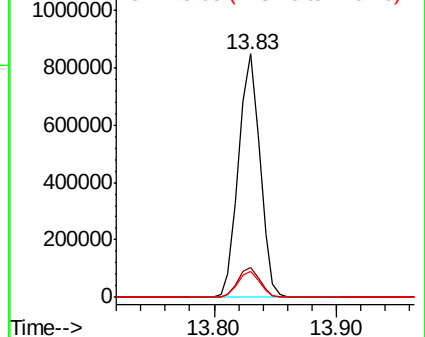
128 100

127 12.8 10.3 15.5

129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.473 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014678.D

Acq: 21 Jan 2020 16:40

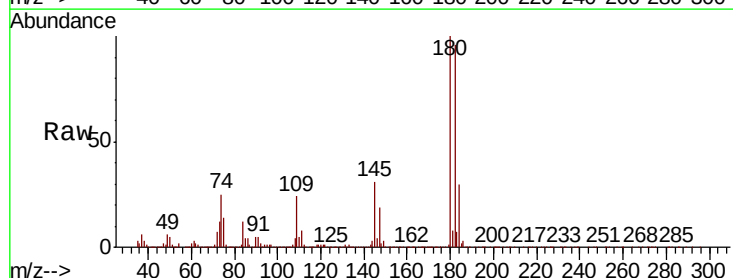
Tgt Ion:180 Resp: 339367

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.6

145 30.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

