

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071720\
 Data File : VX017427.D
 Acq On : 17 Jul 2020 18:05
 Operator : JC/SP
 Sample : L3334-04DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 18 07:00:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	223682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	403736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	432694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	226394	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	164884	58.73	ug/l	0.00
Spiked Amount			Recovery	=	117.46%	
35) Dibromofluoromethane	5.47	113	143677	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
50) Toluene-d8	8.70	98	527941	53.82	ug/l	0.00
Spiked Amount			Recovery	=	107.64%	
62) 4-Bromofluorobenzene	11.12	95	205373	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	

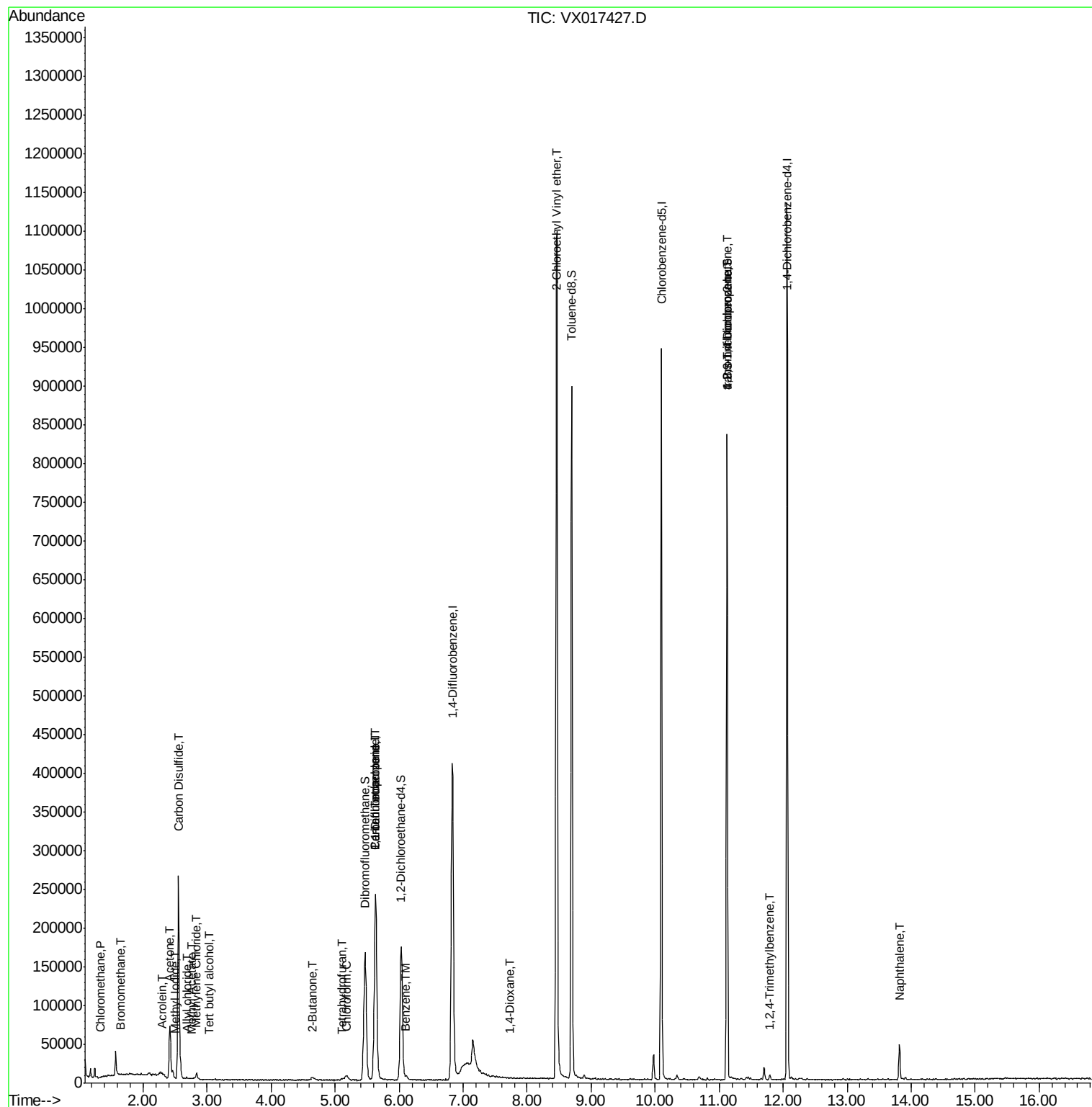
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	519	0.244	ug/l #	8
5) Bromomethane	1.65	94	408	0.297	ug/l	83
10) Methyl Iodide	2.50	142	253	2.464	ug/l #	89
11) Tert butyl alcohol	3.03	59	264	0.558	ug/l	98
13) Acrolein	2.29	56	218	0.841	ug/l #	1
14) Allyl chloride	2.68	41	2696	0.764	ug/l #	61
16) Acetone	2.42	43	73567	73.452	ug/l	97
17) Carbon Disulfide	2.55	76	320103	53.906	ug/l	99
18) Methyl Acetate	2.76	43	520	0.210	ug/l #	52
20) Methylene Chloride	2.84	84	3710	1.518	ug/l	93
25) 2-Butanone	4.64	43	5110	3.212	ug/l	91
29) Tetrahydrofuran	5.10	42	298	0.289	ug/l #	69
30) Chloroform	5.18	83	6389	1.504	ug/l	98
36) 1,1-Dichloropropene	5.62	75	17461	4.702	ug/l #	41
38) Carbon Tetrachloride	5.62	117	23042	5.299	ug/l #	20
40) Benzene	6.11	78	4518	0.423	ug/l	90
49) 1,4-Dioxane	7.72	88	73	1.211	ug/l #	46
58) 2-Chloroethyl Vinyl ether	8.46	63	3589	1.743	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	102398	24.477	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102398	62.093	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.79	105	2577	0.212	ug/l	93
95) Naphthalene	13.82	128	27491	1.982	ug/l	96

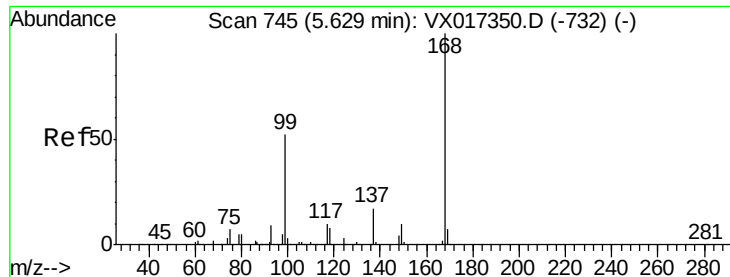
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX017427.D

Acq: 17 Jul 2020 18:05

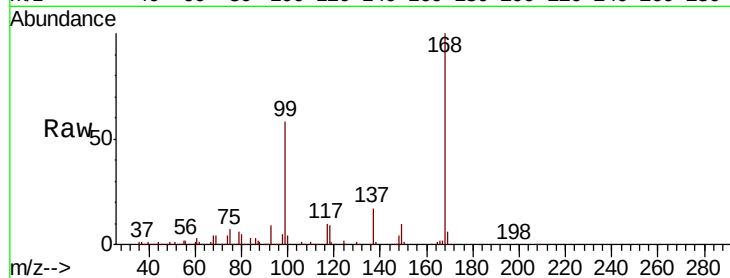
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 223682

Ion Ratio Lower Upper

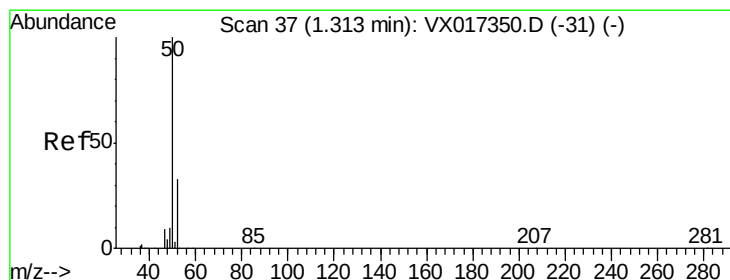
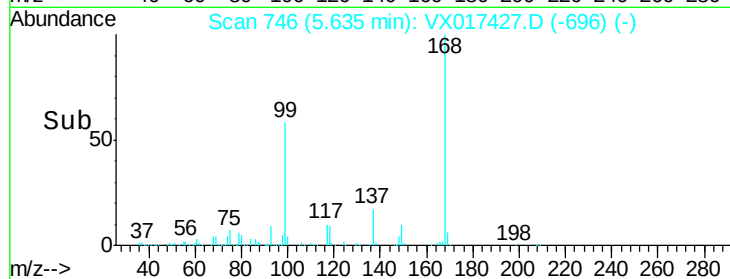
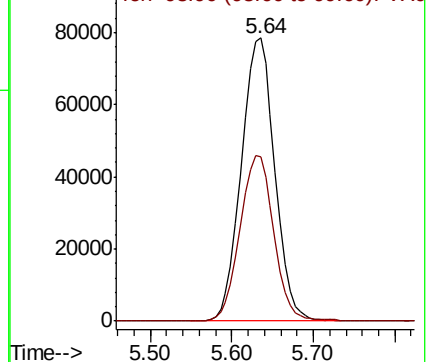
168 100

99 58.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017427.D

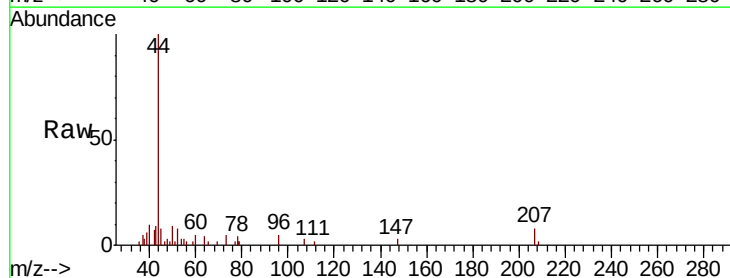
Acq: 17 Jul 2020 18:05

Tgt Ion: 50 Resp: 519

Ion Ratio Lower Upper

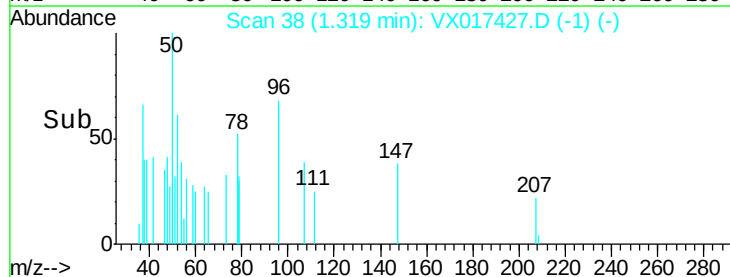
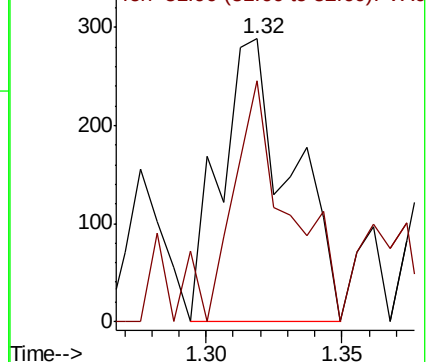
50 100

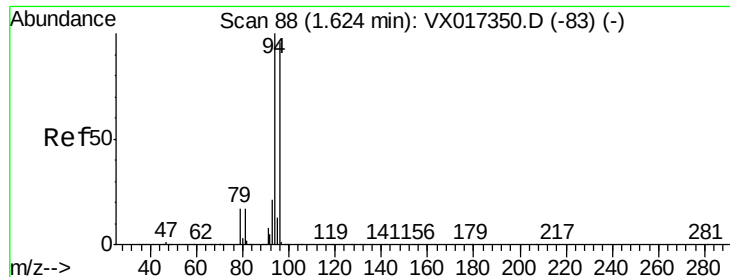
52 85.4 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.297 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX017427.D

Acq: 17 Jul 2020 18:05

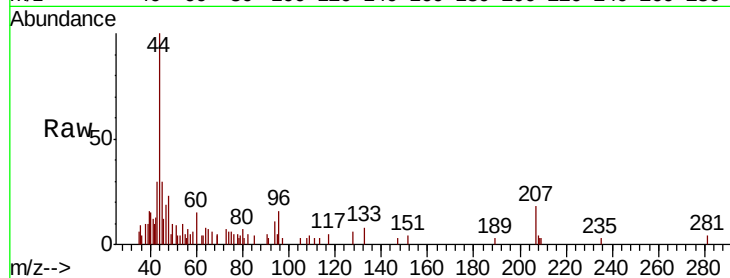
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 408

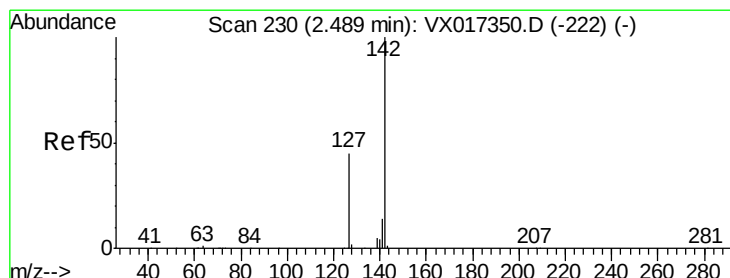
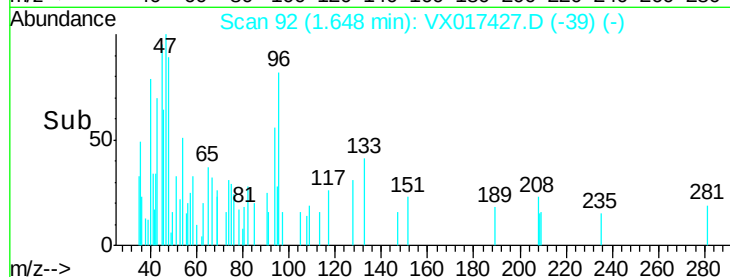
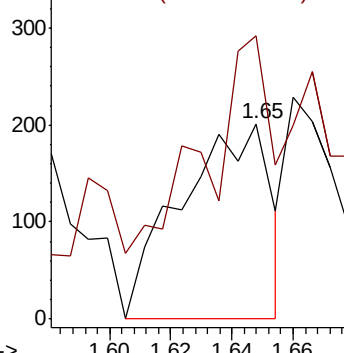
Ion Ratio Lower Upper

94 100

96 111.9 76.6 115.0



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 2.464 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX017427.D

Acq: 17 Jul 2020 18:05

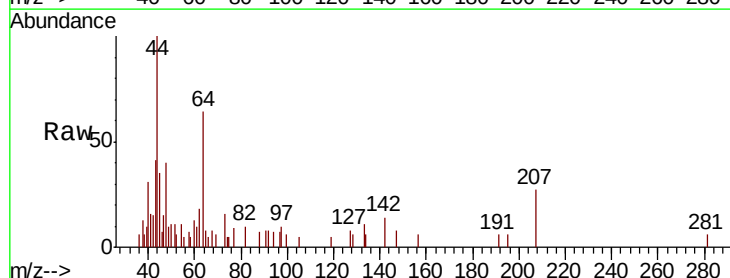
Tgt Ion: 142 Resp: 253

Ion Ratio Lower Upper

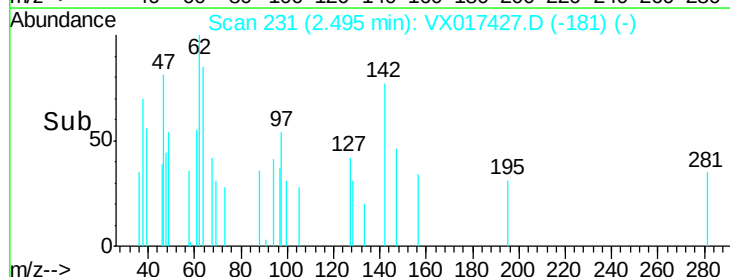
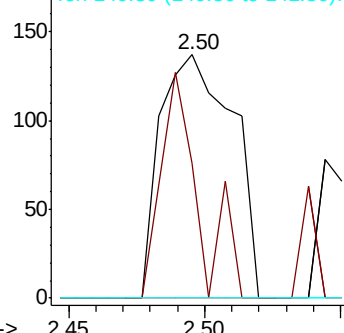
142 100

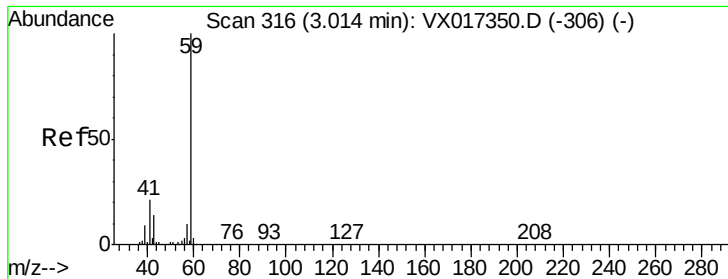
127 48.2 36.8 55.2

141 0.0 11.4 17.0#



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



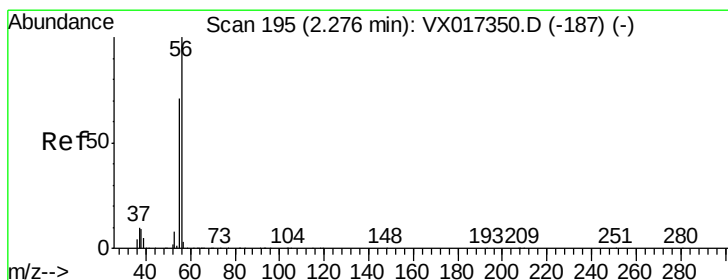
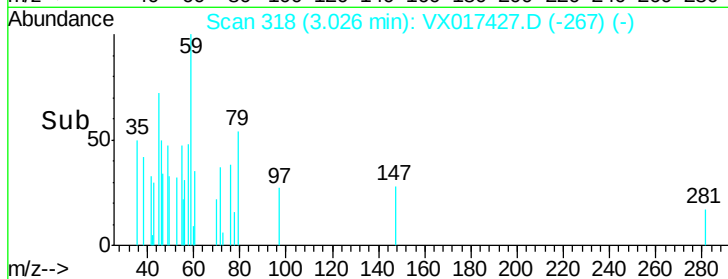
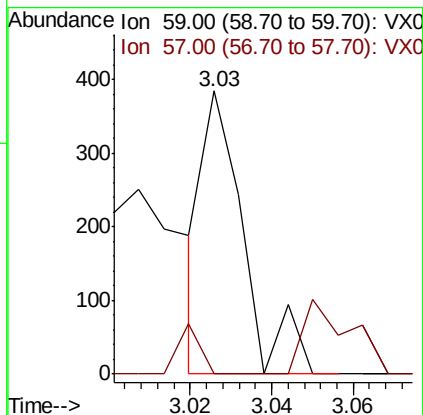
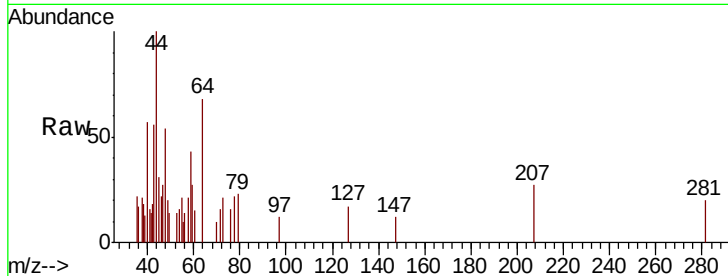


#11

Tert butyl alcohol
 Concen: 0.558 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX017427.D
 Acq: 17 Jul 2020 18:05

Instrument :
 MSVOA_X
 ClientSampled :

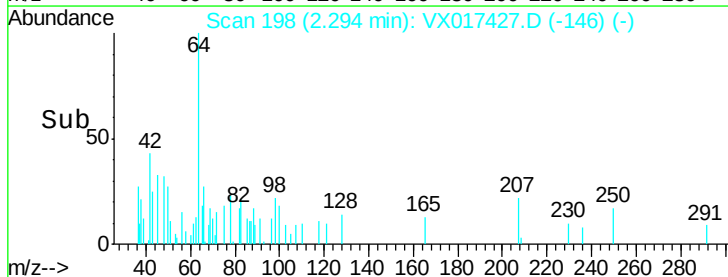
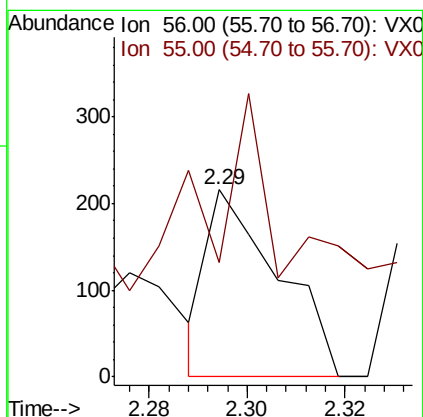
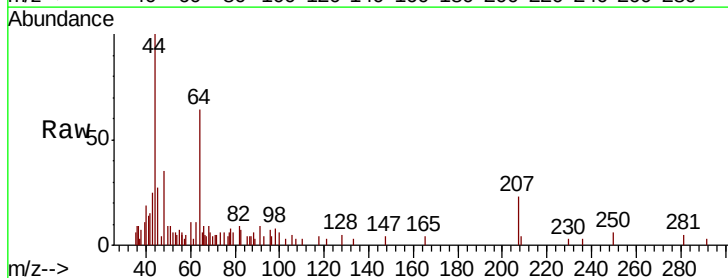
Tot Ion: 59 Resp: 264
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.3 12.5

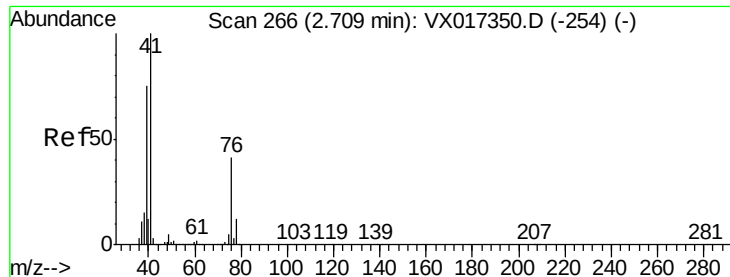


#13

Acrolein
 Concen: 0.841 ug/l
 RT: 2.29 min Scan# 198
 Delta R.T. 0.02 min
 Lab File: VX017427.D
 Acq: 17 Jul 2020 18:05

Tgt Ion: 56 Resp: 218
 Ion Ratio Lower Upper
 56 100
 55 322.9 57.1 85.7#

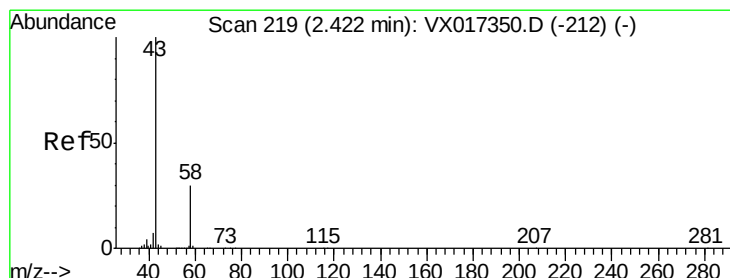
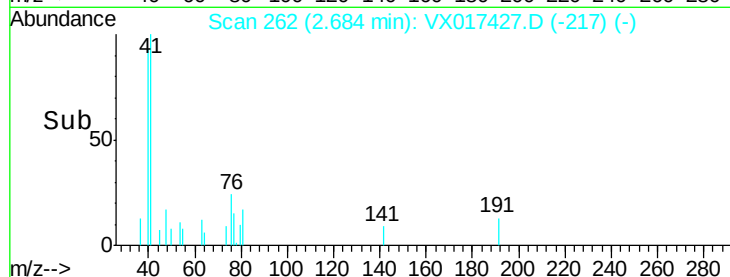
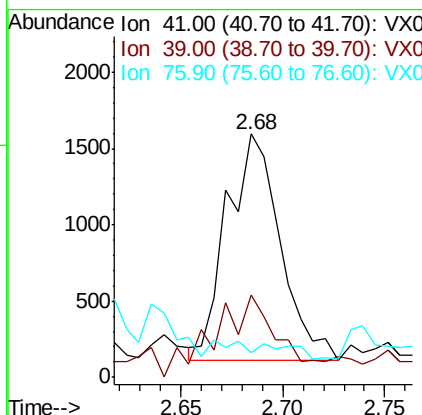
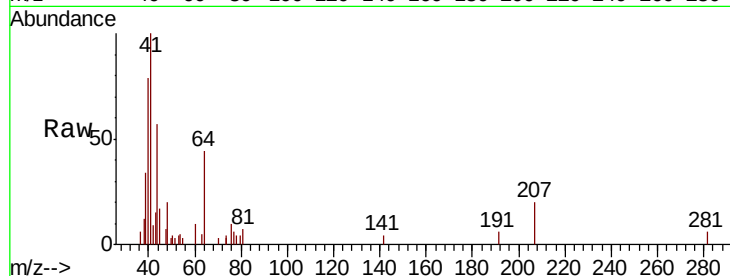




#14
Allvl chloride
Concen: 0.764 ug/l
RT: 2.68 min Scan# 262
Delta R.T. -0.02 min
Lab File: VX017427.D
Acq: 17 Jul 2020 18:05

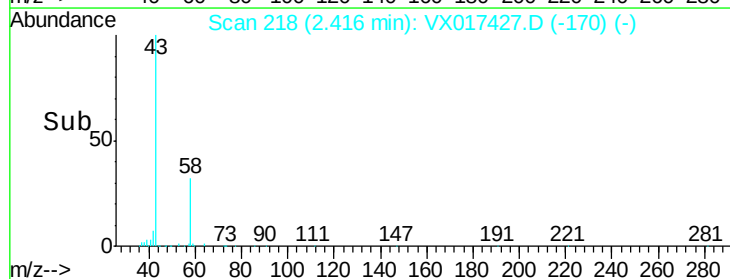
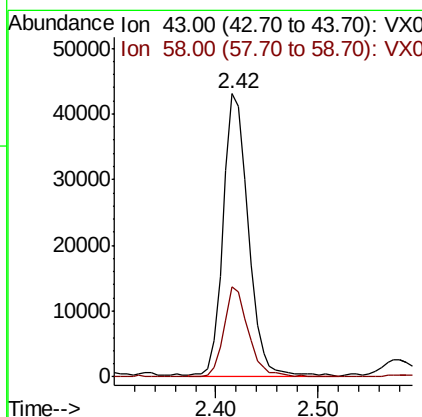
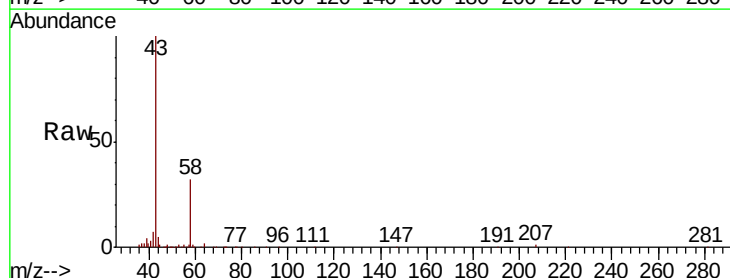
Instrument :
MSVOA_X
ClientSampleId :

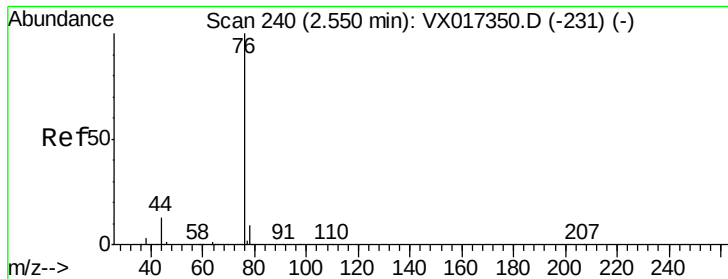
Tot Ion: 41 Resp: 2696
Ion Ratio Lower Upper
41 100
39 44.7 53.0 79.4#
76 0.0 28.2 42.2#



#16
Acetone
Concen: 73.452 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017427.D
Acq: 17 Jul 2020 18:05

Tgt Ion: 43 Resp: 73567
Ion Ratio Lower Upper
43 100
58 32.0 24.2 36.2

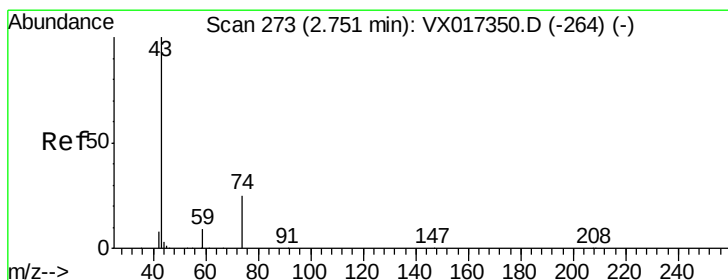
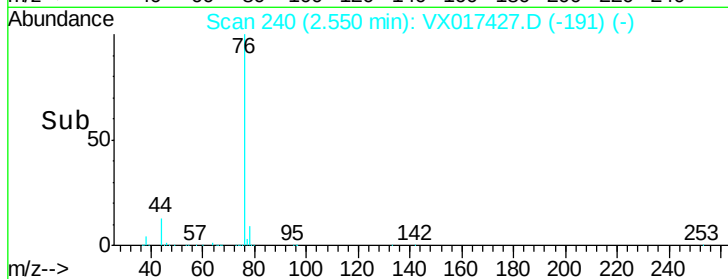
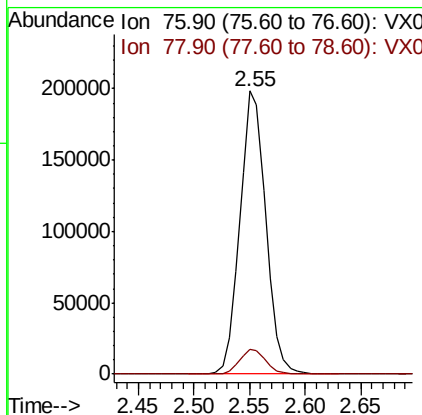
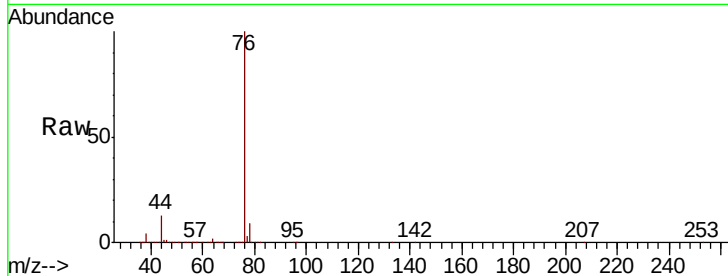




#17
Carbon Disulfide
Concen: 53.906 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017427.D
Acq: 17 Jul 2020 18:05

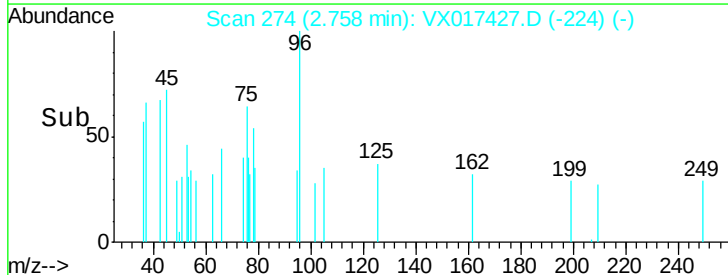
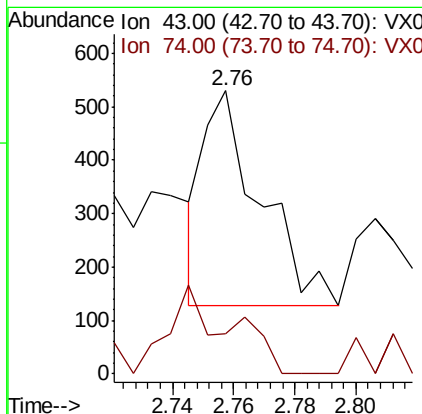
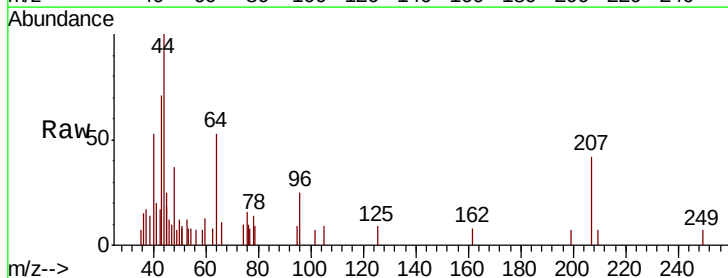
Instrument :
MSVOA_X
ClientSampled :

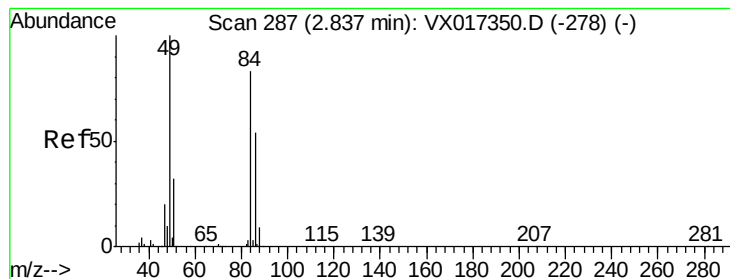
Tot Ion: 76 Resp: 320103
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017427.D
Acq: 17 Jul 2020 18:05

Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
74 47.9 19.4 29.2#





#20

Methylene Chloride

Concen: 1.518 ug/l

RT: 2.84 min Scan# 287

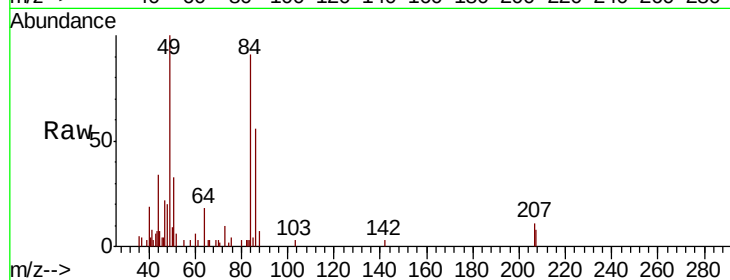
Delta R.T. 0.00 min

Lab File: VX017427.D

Acq: 17 Jul 2020 18:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	3710
Ion	Ratio	Lower	Upper
84	100		
49	110.3	95.8	143.8
51	32.5	31.0	46.4
86	62.1	51.8	77.8

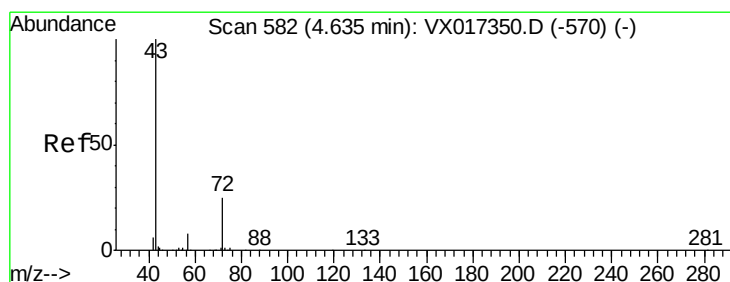
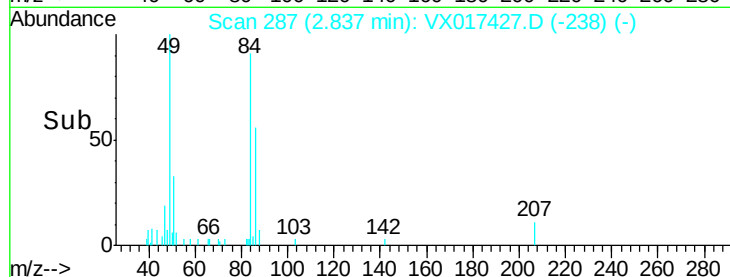
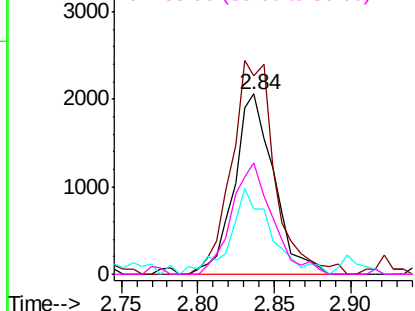


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 3.212 ug/l

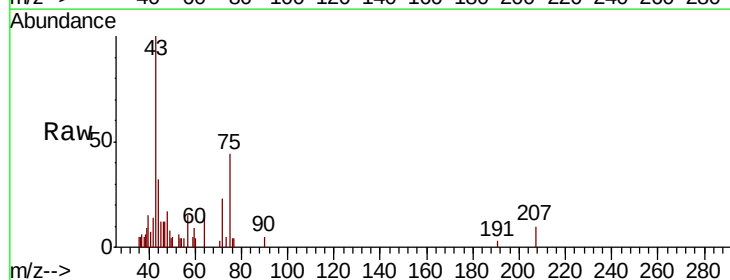
RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017427.D

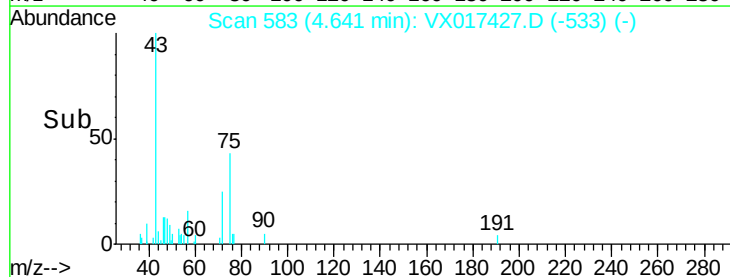
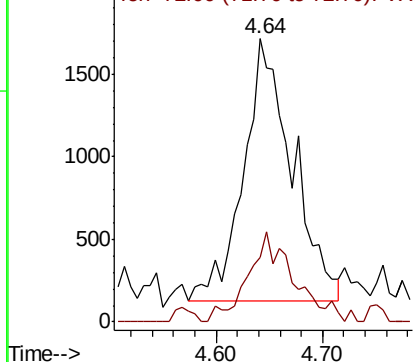
Acq: 17 Jul 2020 18:05

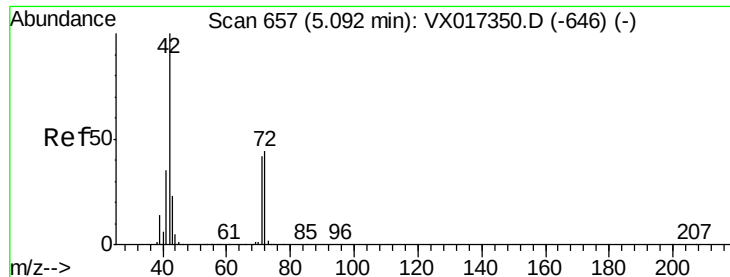
Tgt Ion:	43	Resp:	5110
Ion	Ratio	Lower	Upper
43	100		
72	21.2	20.4	30.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

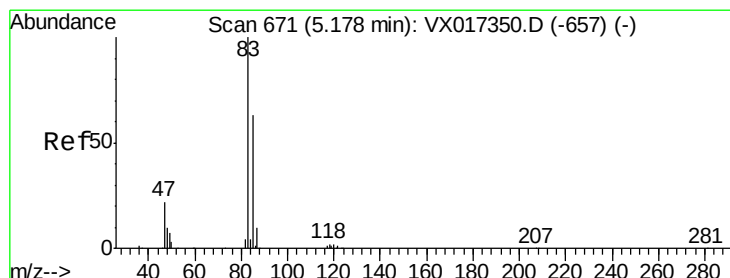
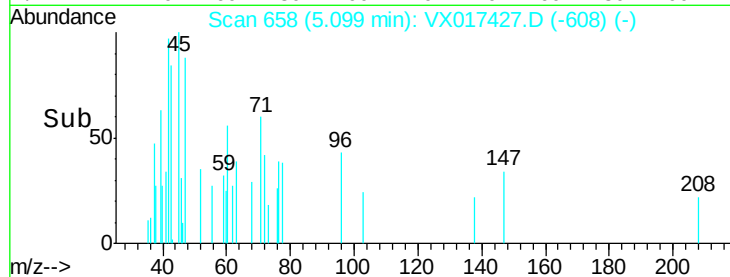
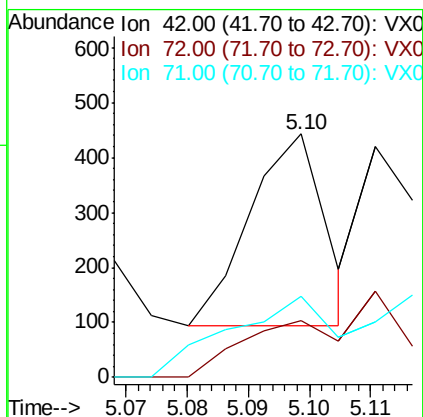
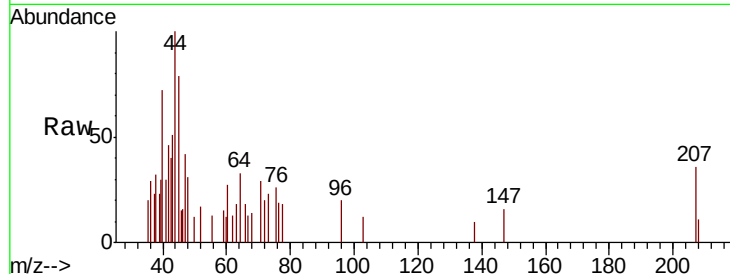




#29
Tetrahydrofuran
Concen: 0.289 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017427.D
Acq: 17 Jul 2020 18:05

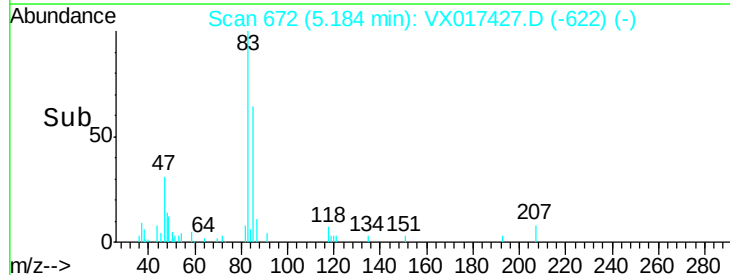
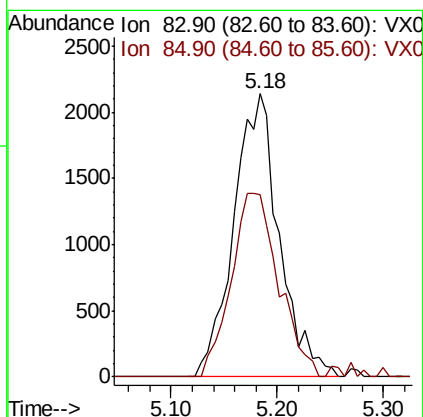
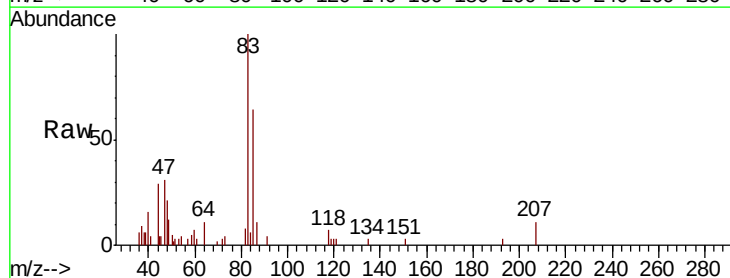
Instrument :
MSVOA_X
ClientSampleId :

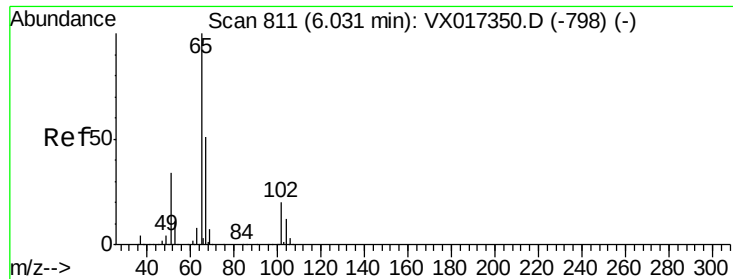
Tot Ion: 42 Resp: 298
Ion Ratio Lower Upper
42 100
72 71.8 37.2 55.8#
71 57.4 34.4 51.6#



#30
Chloroform
Concen: 1.504 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX017427.D
Acq: 17 Jul 2020 18:05

Tgt Ion: 83 Resp: 6389
Ion Ratio Lower Upper
83 100
85 64.3 50.2 75.4

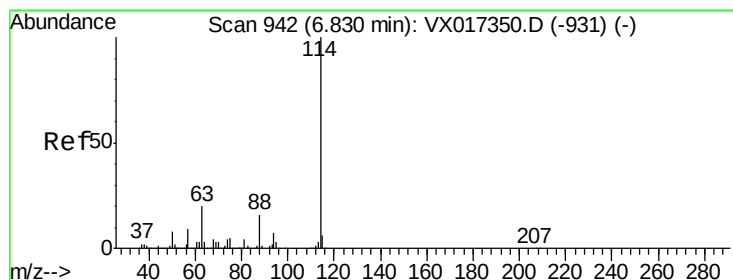
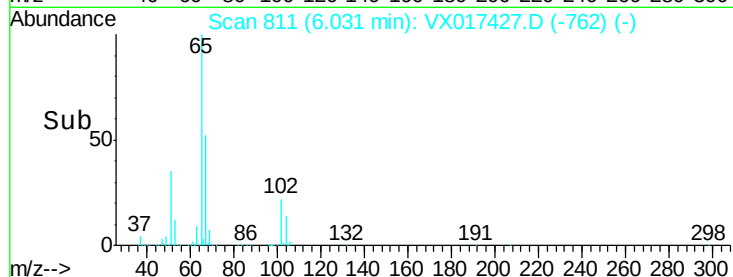
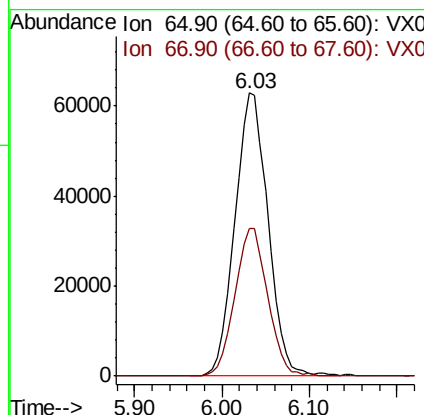
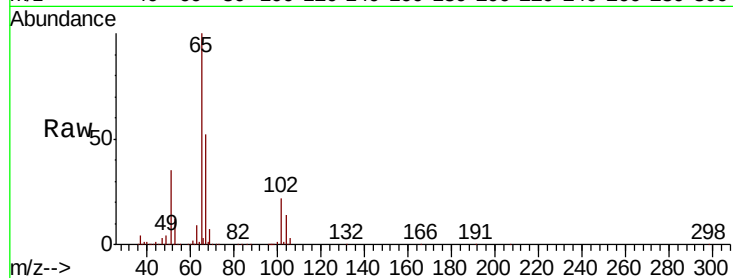




#33
 1,2-Dichloroethane-d4
 Concen: 58.732 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017427.D
 Acq: 17 Jul 2020 18:05

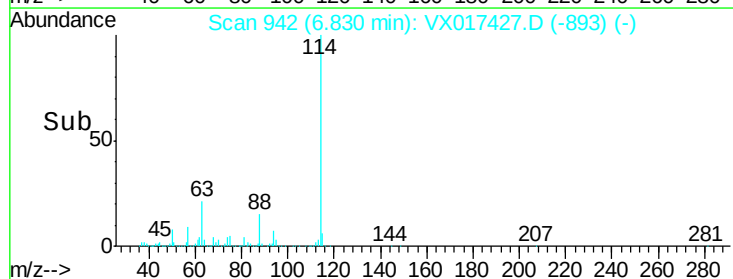
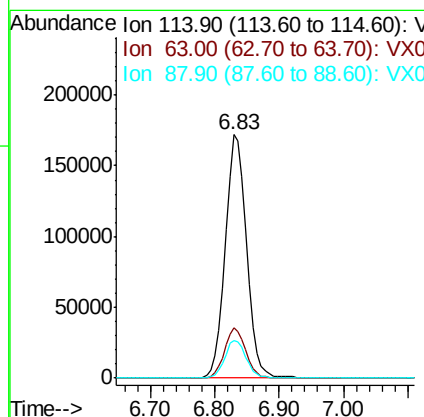
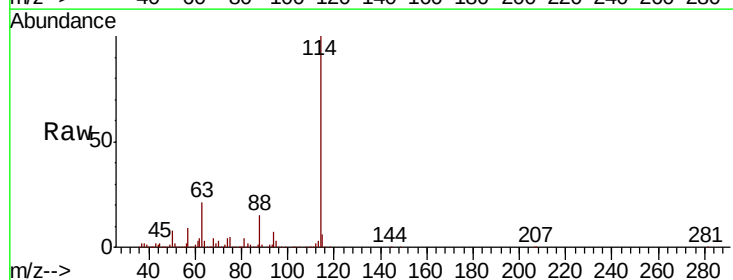
Instrument :
 MSVOA_X
 ClientSampleId :

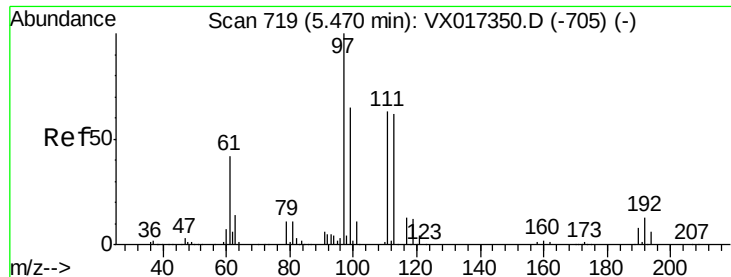
Tot Ion: 65 Resp: 164884
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017427.D
 Acq: 17 Jul 2020 18:05

Tgt Ion: 114 Resp: 403736
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.0
 88 15.4 0.0 32.8

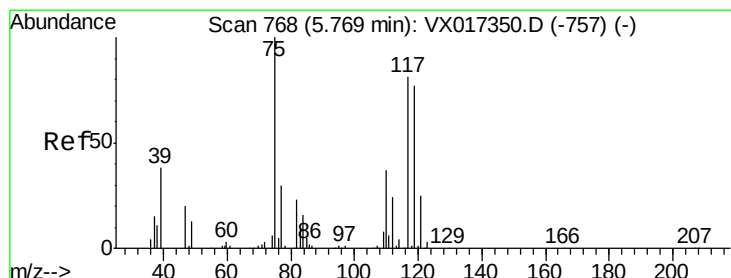
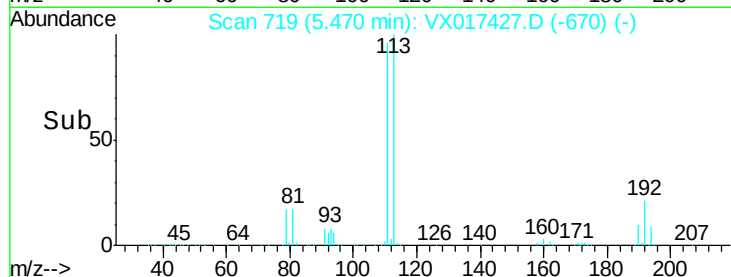
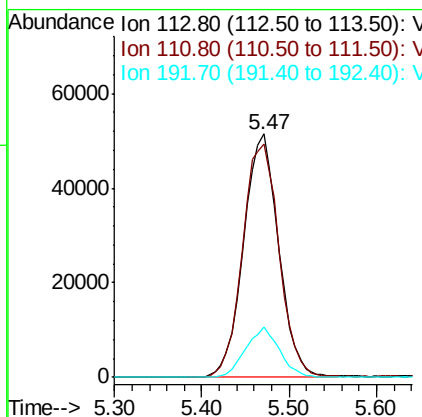
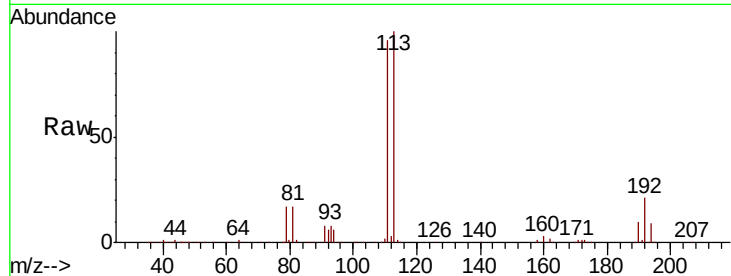




#35
 Dibromofluoromethane
 Concen: 52.830 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX017427.D
 Acq: 17 Jul 2020 18:05

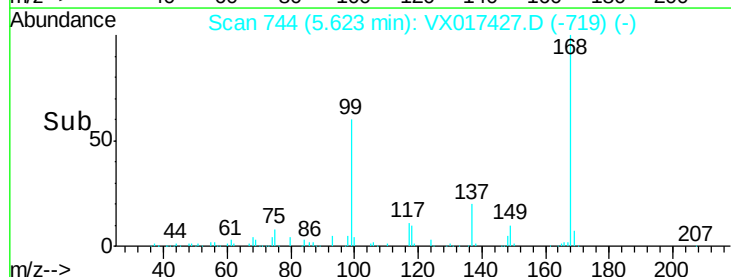
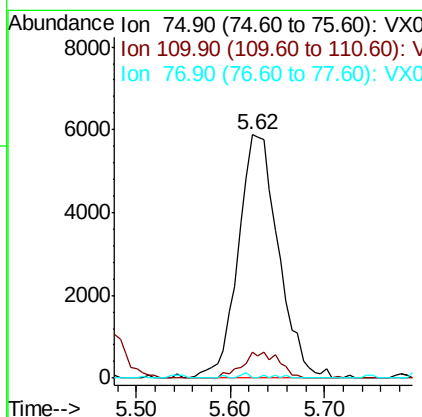
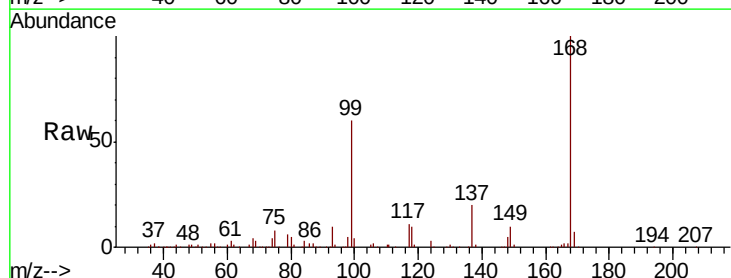
Instrument :
 MSVOA_X
 ClientSampleId :

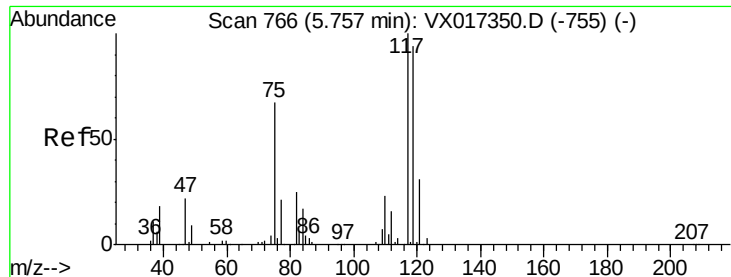
Tot Ion:113 Resp: 143677
 Ion Ratio Lower Upper
 113 100
 111 100.2 82.4 123.6
 192 20.1 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 4.702 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017427.D
 Acq: 17 Jul 2020 18:05

Tgt Ion: 75 Resp: 17461
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.6 55.8#
 77 0.4 24.9 37.3#

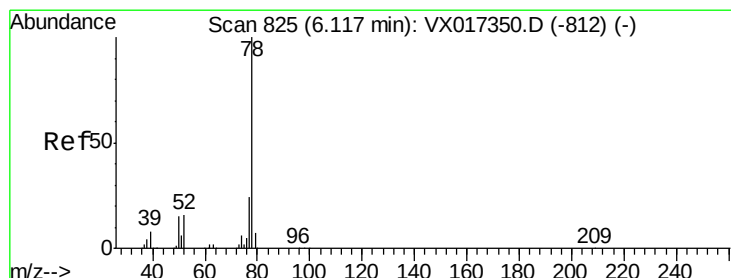
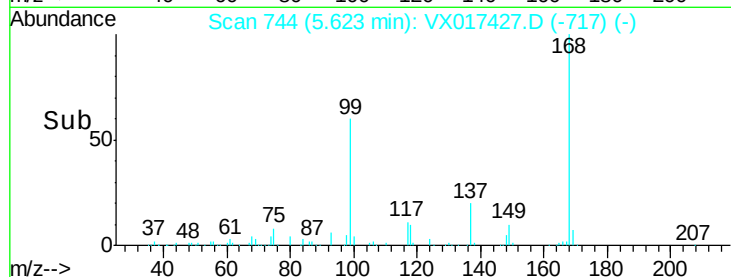
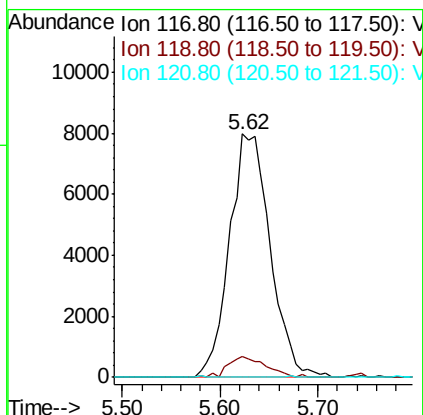
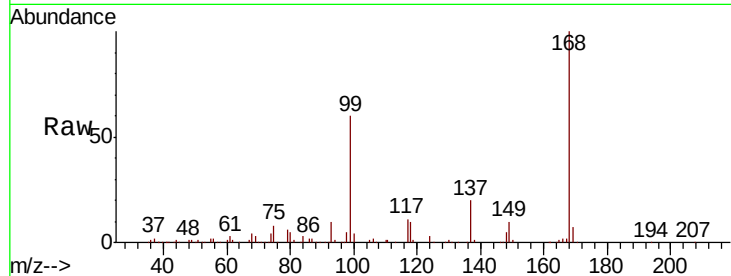




#38
Carbon Tetrachloride
Concen: 5.299 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX017427.D
Acq: 17 Jul 2020 18:05

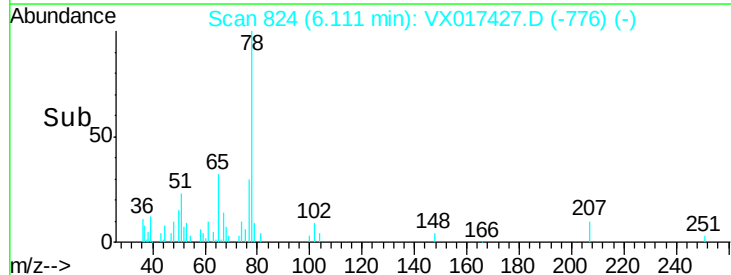
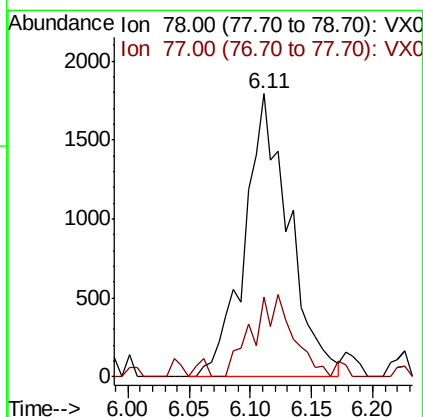
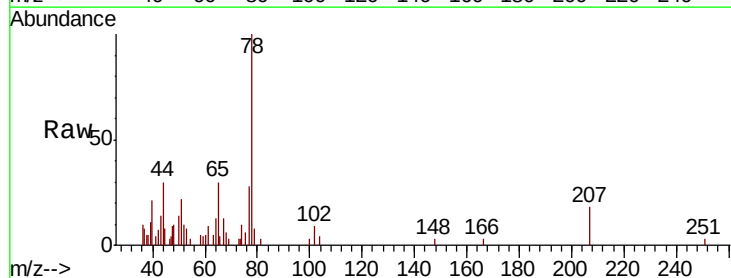
Instrument :
MSVOA_X
ClientSampleId :

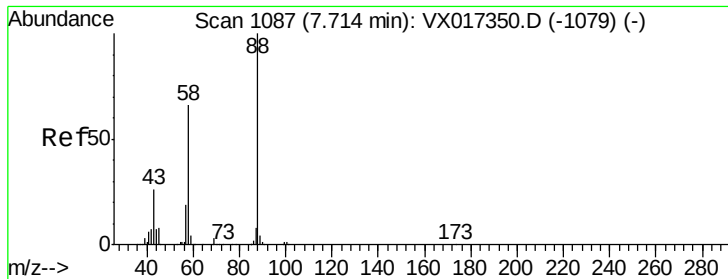
Tot Ion:117 Resp: 23042
Ion Ratio Lower Upper
117 100
119 8.6 74.7 112.1#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 0.423 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017427.D
Acq: 17 Jul 2020 18:05

Tgt Ion: 78 Resp: 4518
Ion Ratio Lower Upper
78 100
77 28.3 18.9 28.3

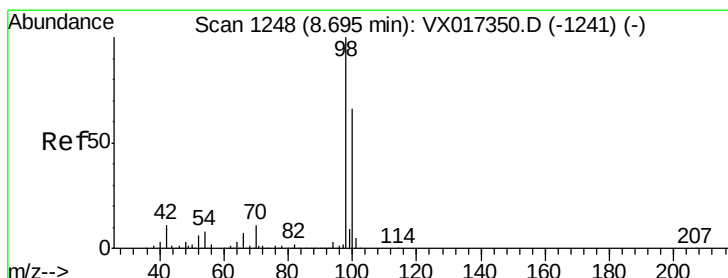
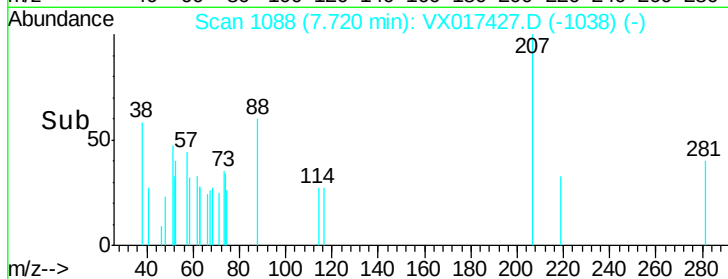
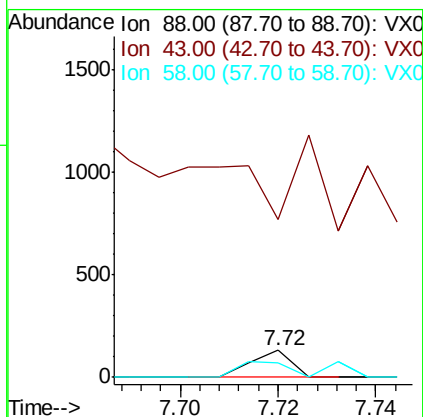
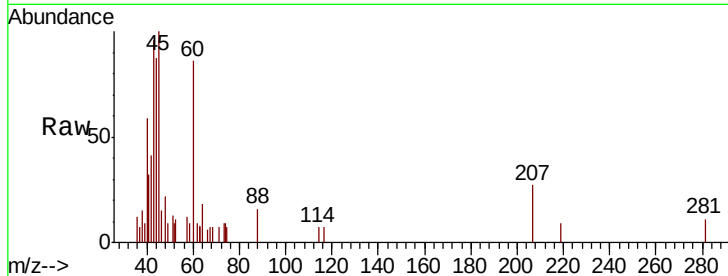




#49
 1,4-Dioxane
 Concen: 1.211 ug/l
 RT: 7.72 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX017427.D
 Acq: 17 Jul 2020 18:05

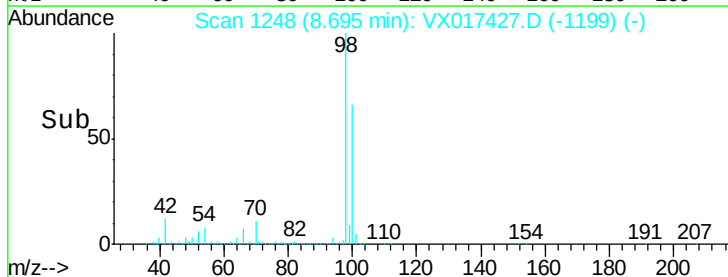
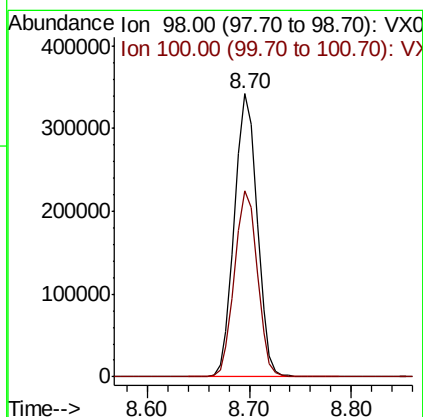
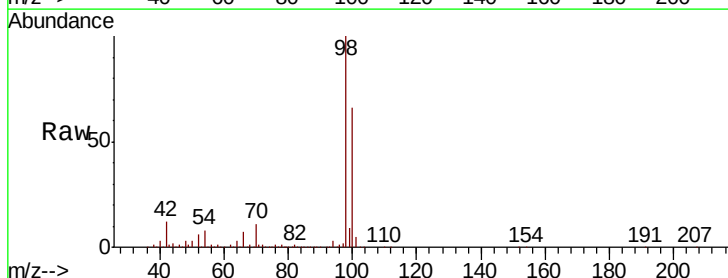
Instrument :
 MSVOA_X
 ClientSampleId :

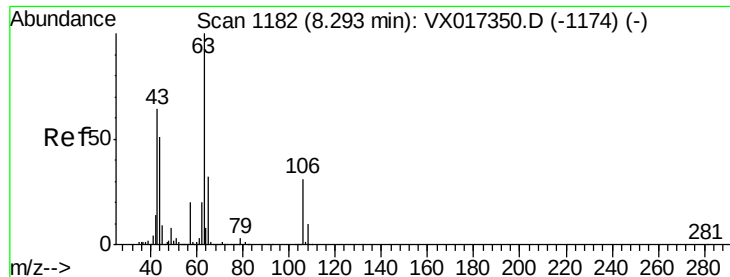
Tot Ion	88	Resp	73
Ion Ratio	Lower	Upper	
88	100		
43	0.0	25.6	38.4#
58	109.6	53.9	80.9#



#50
 Toluene-d8
 Concen: 53.816 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VX017427.D
 Acq: 17 Jul 2020 18:05

Tgt Ion	98	Resp	527941
Ion Ratio	Lower	Upper	
98	100		
100	66.0	53.4	80.2

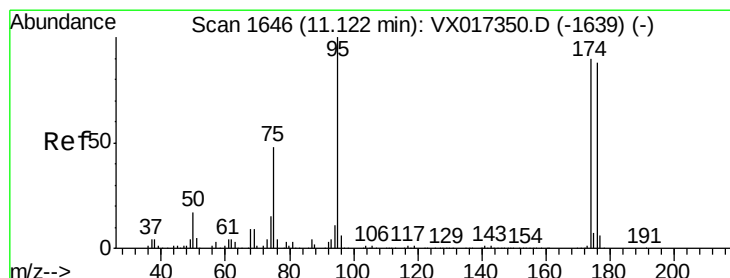
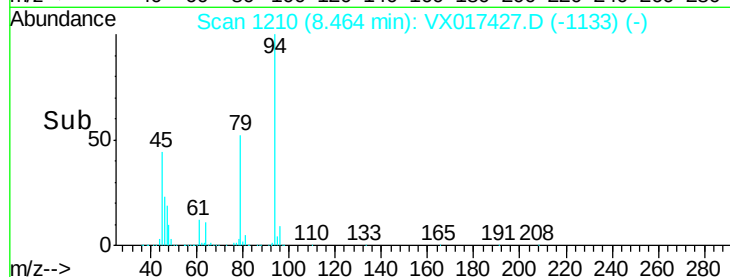
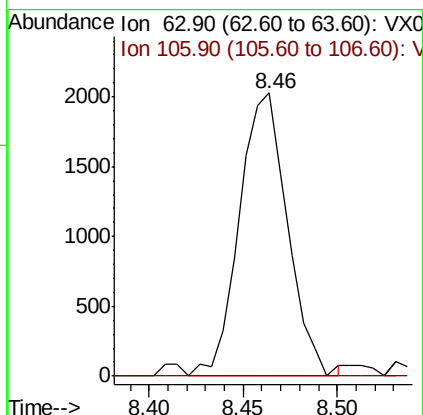
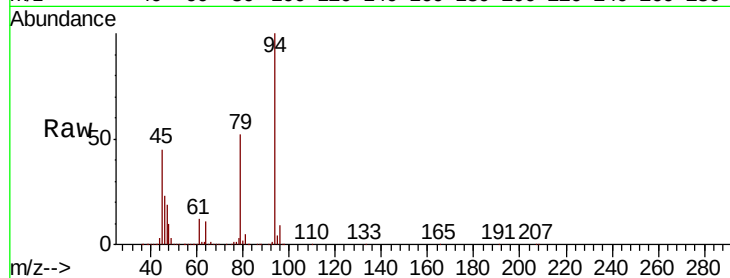




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.743 ug/l
 RT: 8.46 min Scan# 1210
 Delta R.T. 0.17 min
 Lab File: VX017427.D
 Acq: 17 Jul 2020 18:05

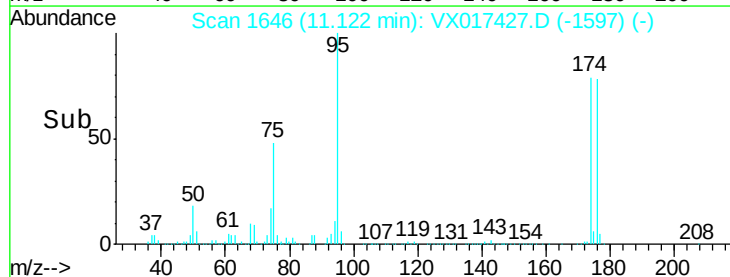
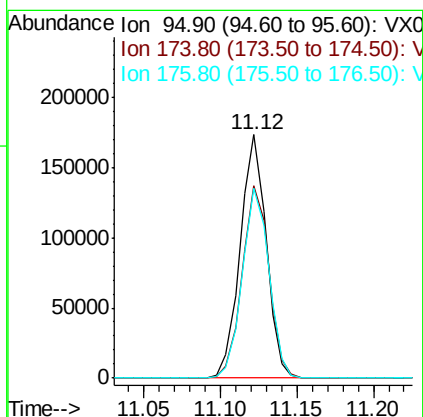
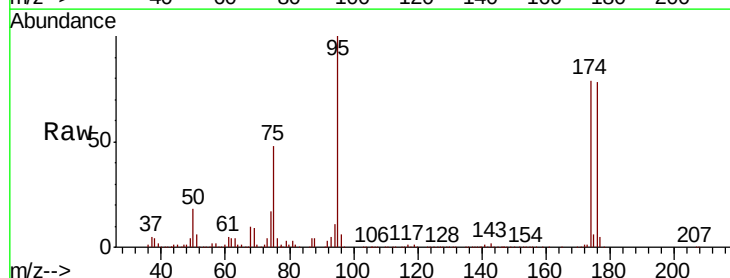
Instrument :
 MSVOA_X
 ClientSampleId :

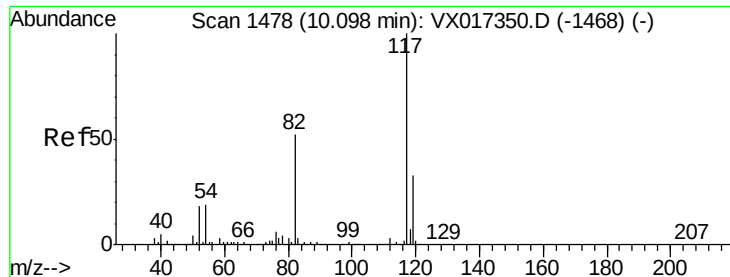
Tot Ion: 63 Resp: 3589
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.8 37.2#



#62
 4-Bromofluorobenzene
 Concen: 52.704 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX017427.D
 Acq: 17 Jul 2020 18:05

Tgt Ion: 95 Resp: 205373
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 175.8
 176 79.7 0.0 164.6

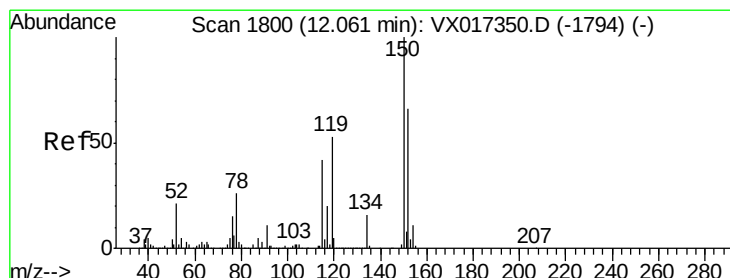
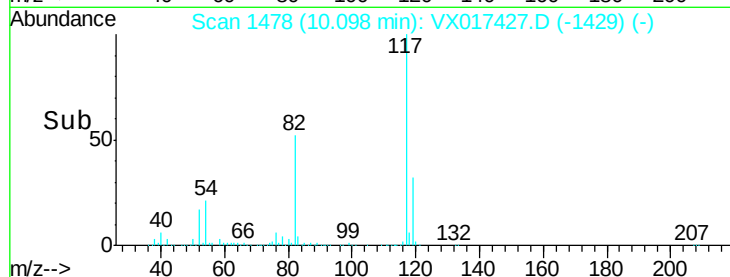
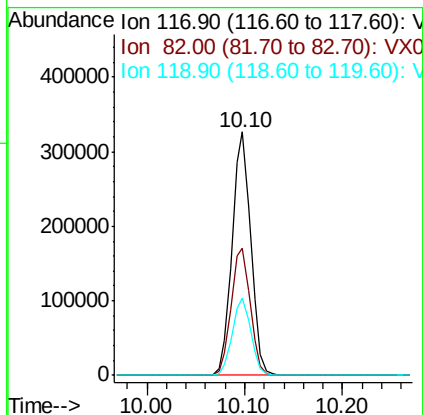
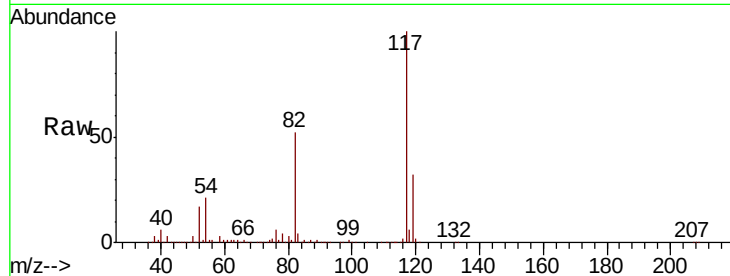




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017427.D
Acq: 17 Jul 2020 18:05

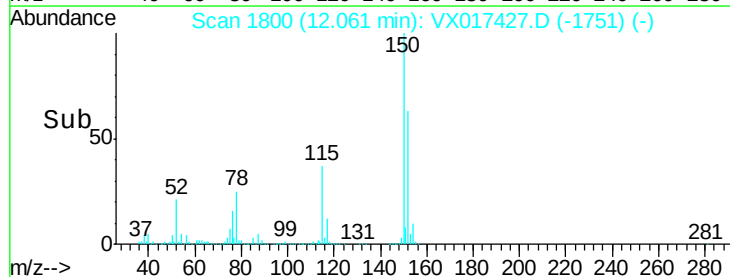
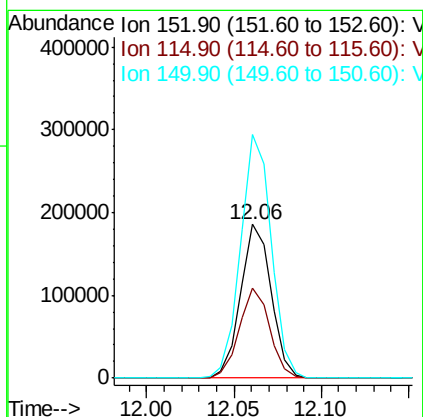
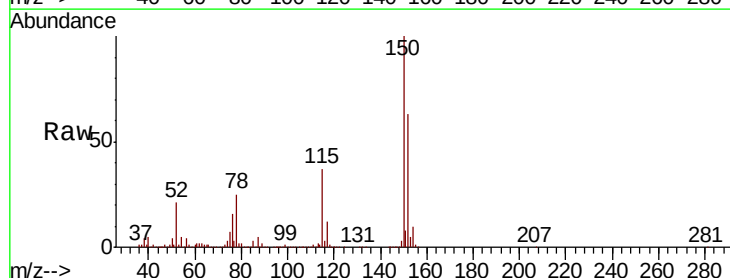
Instrument :
MSVOA_X
ClientSampleId :

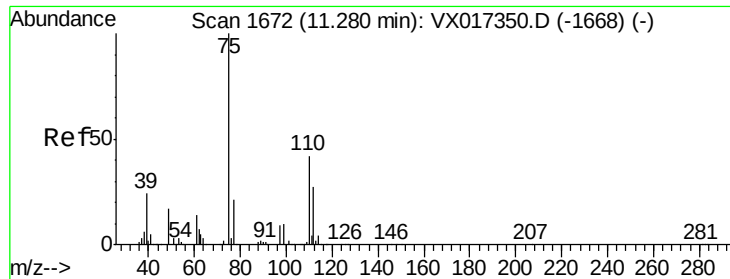
Tot Ion:117 Resp: 432694
Ion Ratio Lower Upper
117 100
82 52.4 42.0 63.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017427.D
Acq: 17 Jul 2020 18:05

Tgt Ion:152 Resp: 226394
Ion Ratio Lower Upper
152 100
115 58.1 39.9 119.7
150 158.6 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 24.477 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017427.D

Acq: 17 Jul 2020 18:05

Instrument :

MSVOA_X

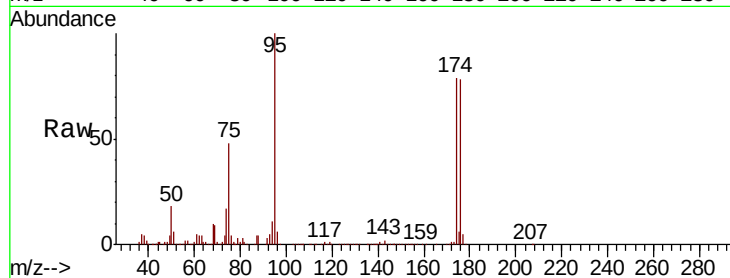
ClientSampleId :

Tot Ion: 75 Resp: 102398

Ion Ratio Lower Upper

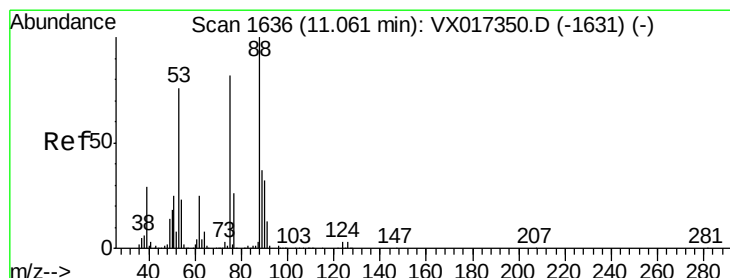
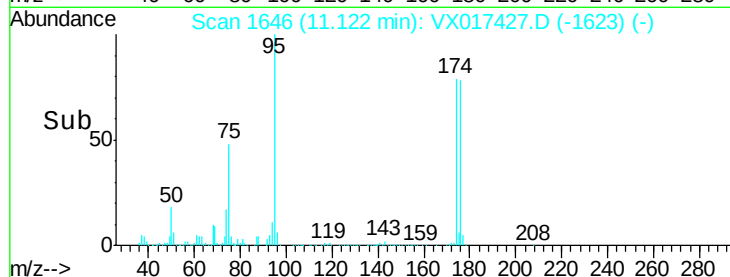
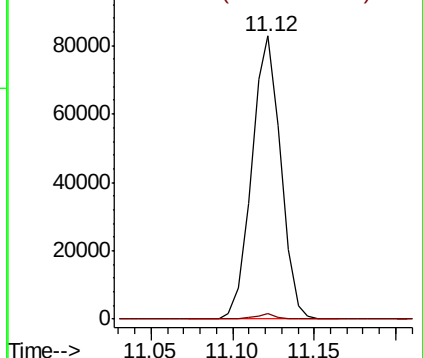
75 100

77 1.4 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 62.093 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017427.D

Acq: 17 Jul 2020 18:05

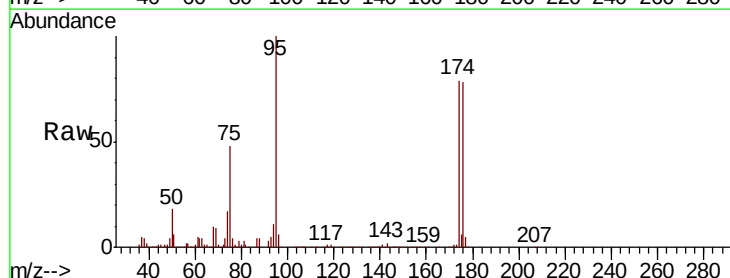
Tgt Ion: 75 Resp: 102398

Ion Ratio Lower Upper

75 100

53 0.7 76.5 114.7#

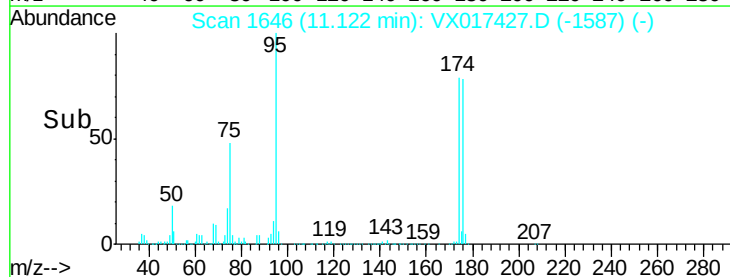
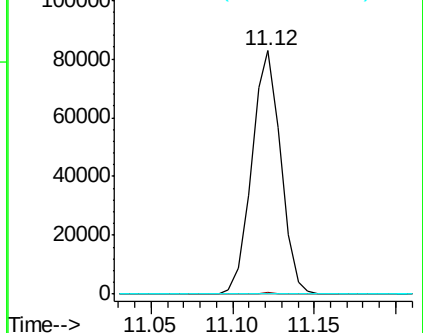
89 0.0 38.1 57.1#

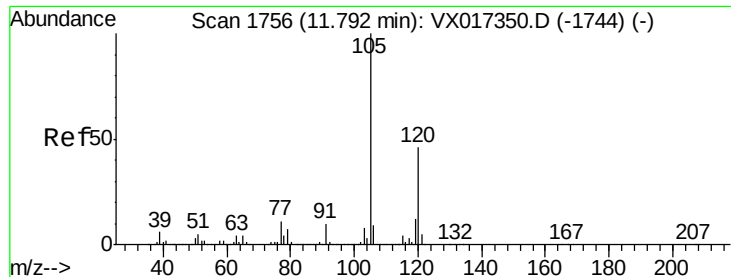


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84

1,2,4-Trimethylbenzene

Concen: 0.212 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017427.D

Acq: 17 Jul 2020 18:05

Instrument :

MSVOA_X

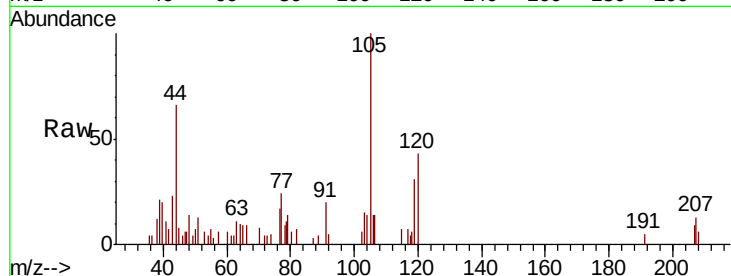
ClientSampleId :

Tot Ion:105 Resp: 2577

Ion Ratio Lower Upper

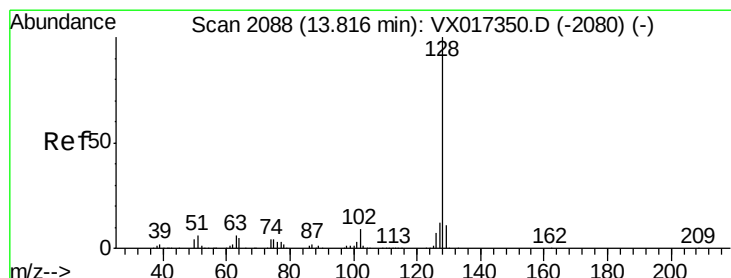
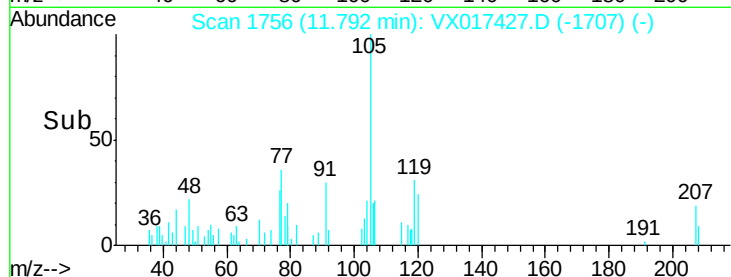
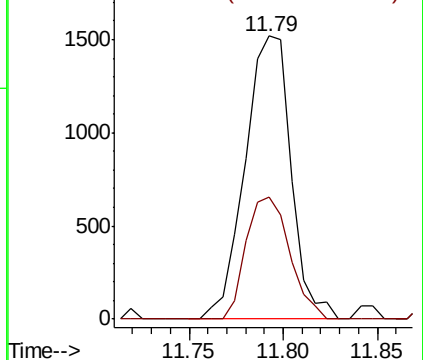
105 100

120 40.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.982 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017427.D

Acq: 17 Jul 2020 18:05

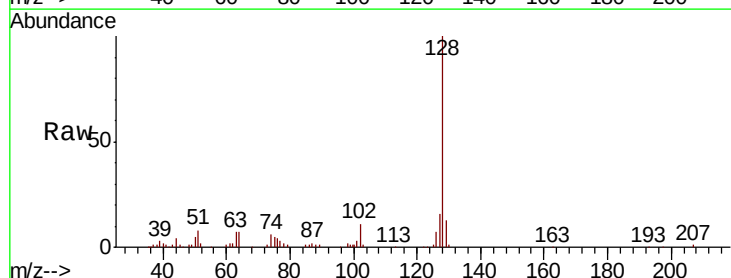
Tgt Ion:128 Resp: 27491

Ion Ratio Lower Upper

128 100

127 14.8 10.2 15.4

129 12.5 8.9 13.3



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

