

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019734.D
 Acq On : 04 Dec 2020 22:00
 Operator : JC/MD
 Sample : L4953-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39MWE1D-120220

Quant Time: Dec 05 03:53:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	340915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	552259	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	497759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	226428	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	204085	45.55	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.10%		
35) Dibromofluoromethane	5.46	113	164760	46.16	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.32%		
50) Toluene-d8	8.70	98	654633	48.04	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.08%		
62) 4-Bromofluorobenzene	11.12	95	239150	46.11	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.22%		

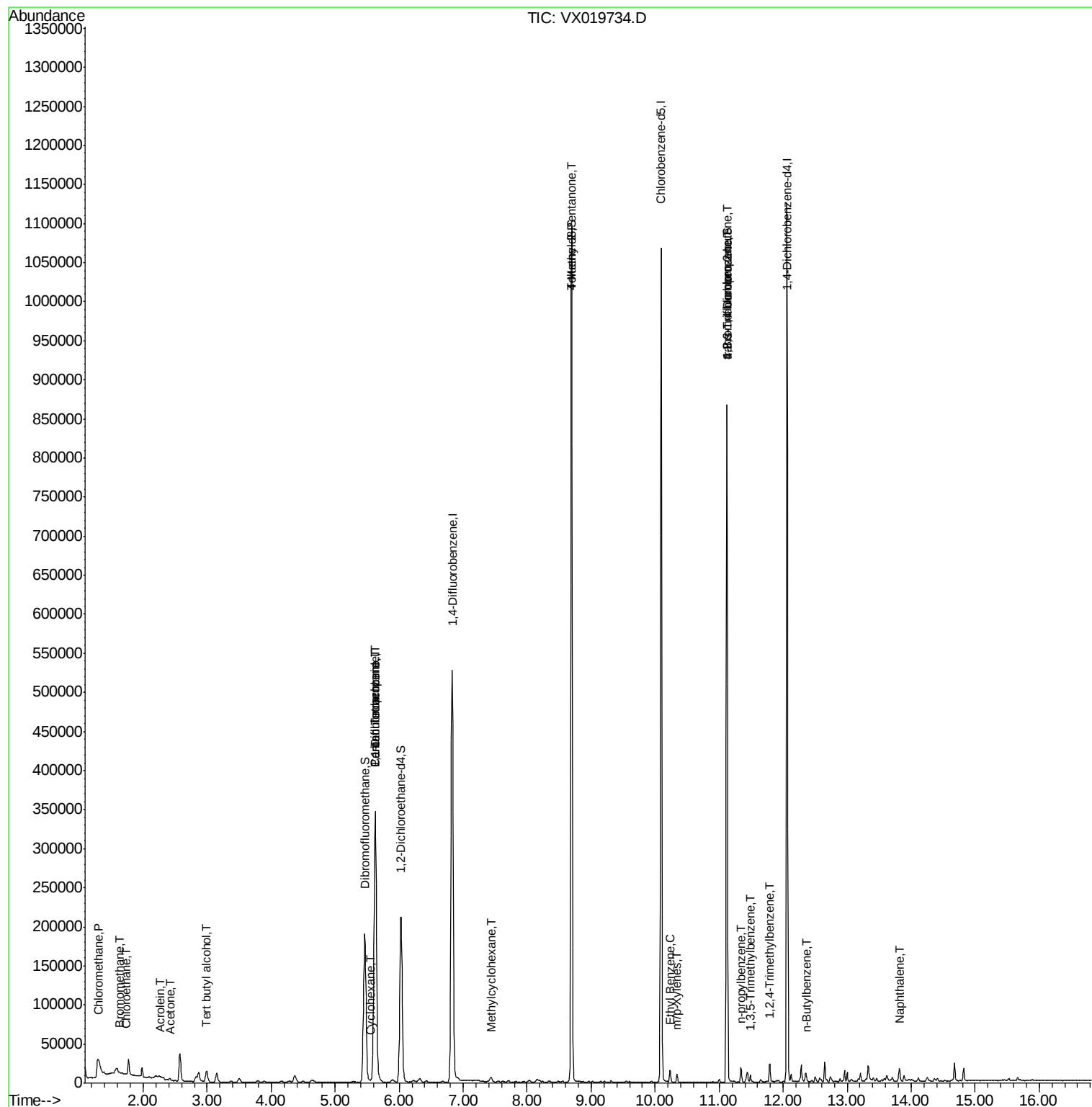
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2007	0.547	ug/l #	72
5) Bromomethane	1.63	94	778	0.605	ug/l #	68
6) Chloroethane	1.73	64	491	0.211	ug/l #	43
11) Tert butyl alcohol	3.00	59	8619	6.815	ug/l #	73
13) Acrolein	2.26	56	157	0.317	ug/l #	14
16) Acetone	2.42	43	3298	1.958	ug/l	99
20) Methylene Chloride	2.83	84	929	Below Cal	#	89
31) Cyclohexane	5.54	56	1516	0.272	ug/l #	82
36) 1,1-Dichloropropene	5.62	75	25116	5.033	ug/l #	48
38) Carbon Tetrachloride	5.63	117	32795	6.711	ug/l #	17
39) Methylcyclohexane	7.44	83	2598	0.443	ug/l	92
51) 4-Methyl-2-Pentanone	8.69	43	2736	0.547	ug/l #	1
67) Ethyl Benzene	10.23	91	9103	0.517	ug/l	98
68) m/p-Xylenes	10.35	106	2220	0.335	ug/l	88
76) 1,2,3-Trichloropropane	11.12	75	116290	22.899	ug/l #	39
78) n-propylbenzene	11.34	91	10748	0.608	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	3769	0.289	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	116290	66.197	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	10412	0.792	ug/l	99
89) n-Butylbenzene	12.37	91	2589	0.218	ug/l #	55
95) Naphthalene	13.82	128	13107	0.877	ug/l	98

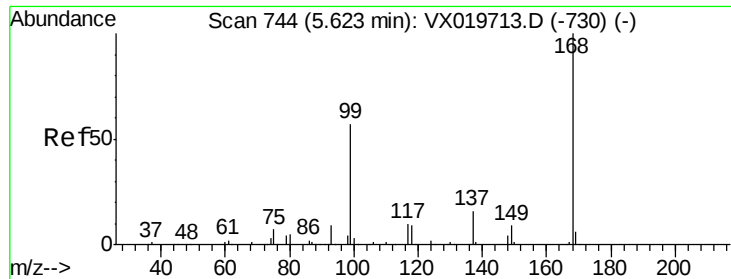
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120420\
Data File : VX019734.D
Acq On : 04 Dec 2020 22:00
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Sample : L4953-01
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Instrument :
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ClientSampleId :
ID039-39MWE1D-120220

Quant Time: Dec 05 03:53:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

Instrument :

MSVOA_X

ClientSampleID :

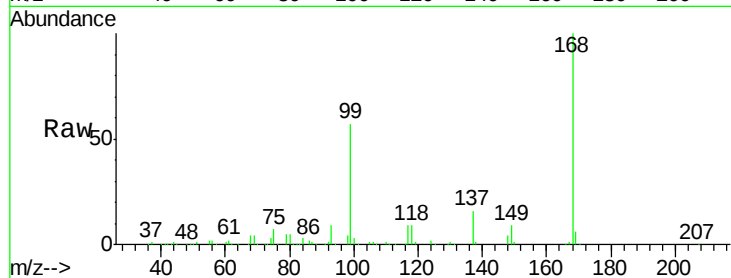
ID039-39MWE1D-120220

Tot Ion:168 Resp: 340915

Ion Ratio Lower Upper

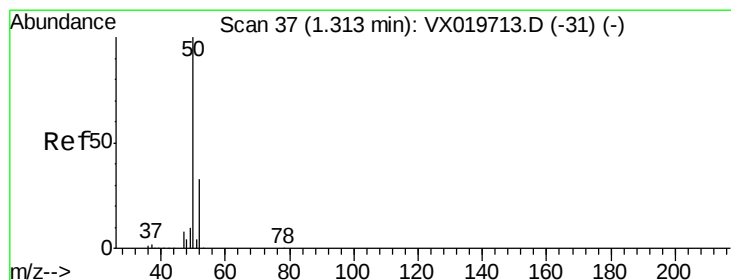
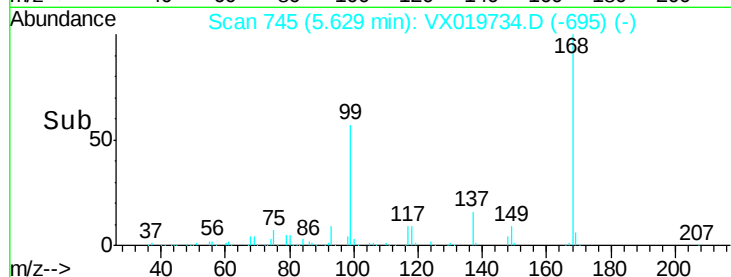
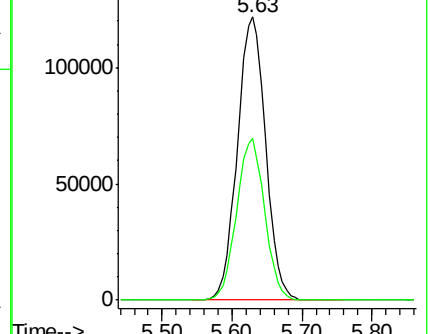
168 100

99 57.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.547 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019734.D

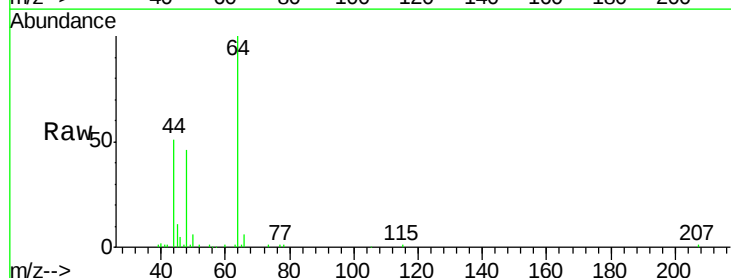
Acq: 04 Dec 2020 22:00

Tgt Ion: 50 Resp: 2007

Ion Ratio Lower Upper

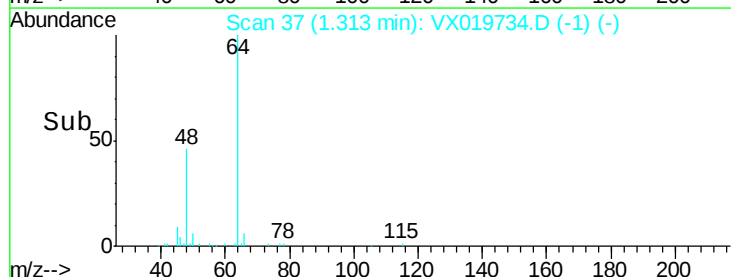
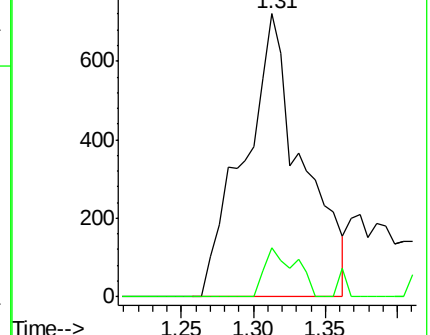
50 100

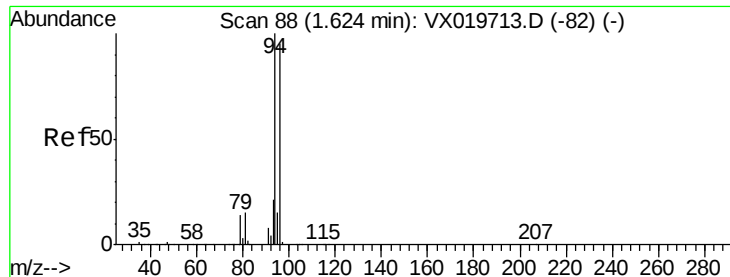
52 17.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.605 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

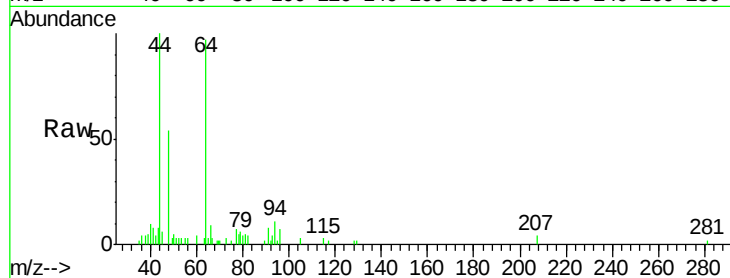
ID039-39MWE1D-120220

Tot Ion: 94 Resp: 778

Ion Ratio Lower Upper

94 100

96 64.2 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

300

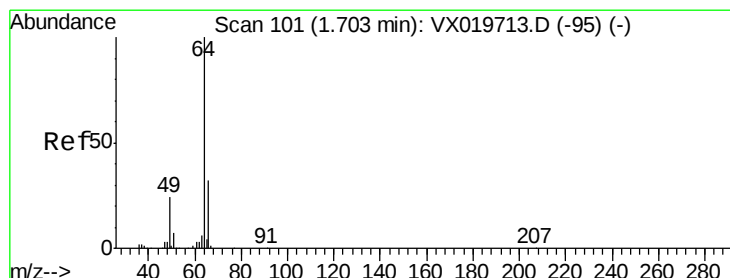
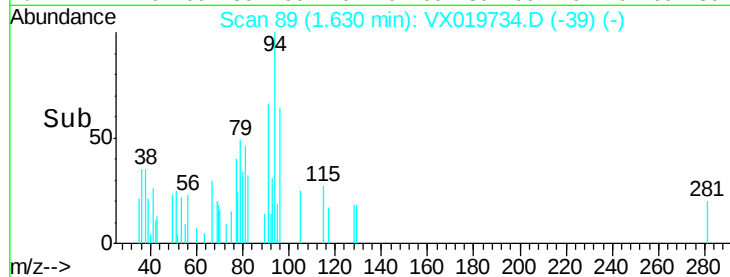
200

100

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.211 ug/l

RT: 1.73 min Scan# 106

Delta R.T. 0.03 min

Lab File: VX019734.D

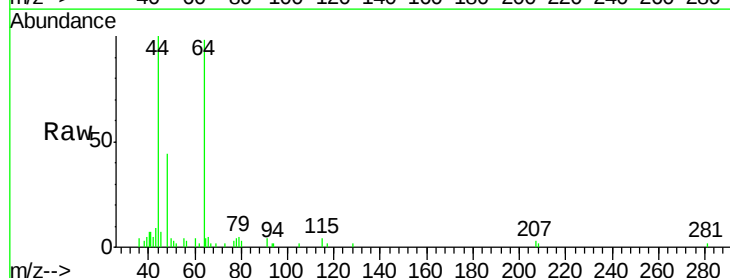
Acq: 04 Dec 2020 22:00

Tgt Ion: 64 Resp: 491

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

3000

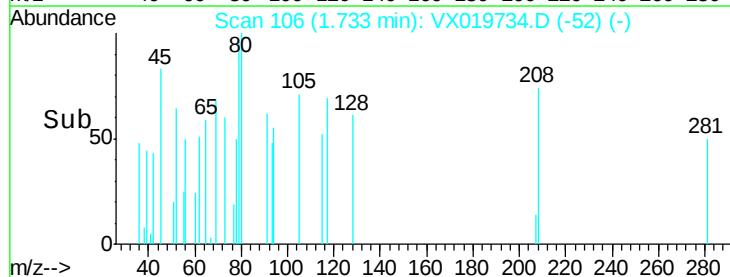
2000

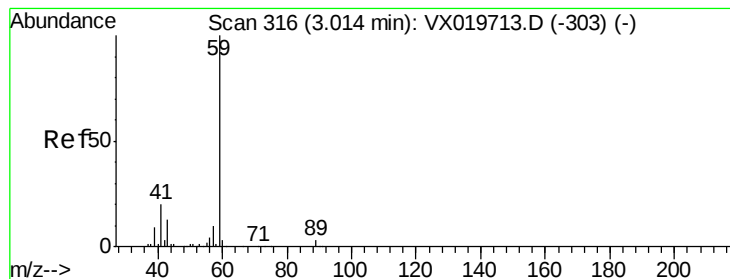
1000

0

1.72 1.74 1.76 1.78

Time-->



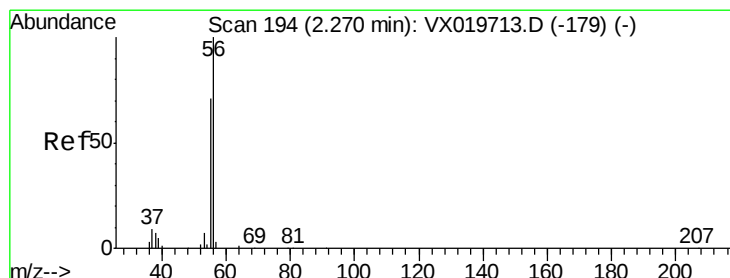
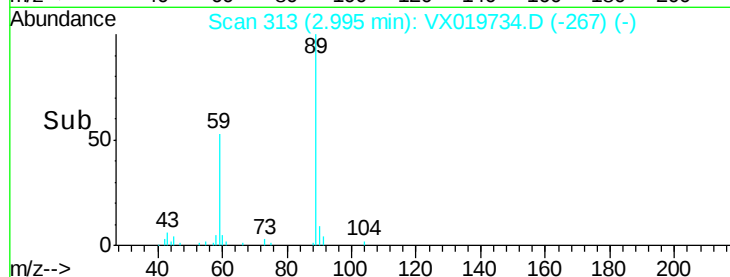
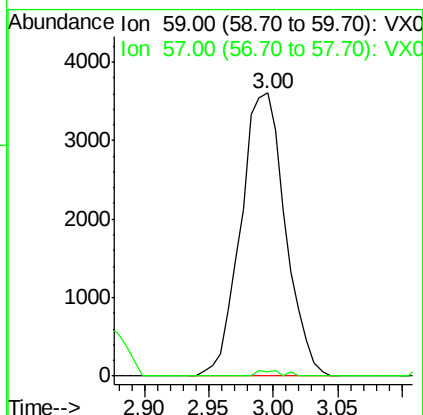
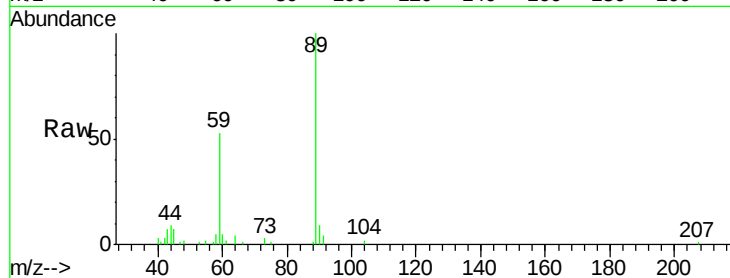


#11

Tert butyl alcohol
 Concen: 6.815 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX019734.D
 Acq: 04 Dec 2020 22:00

Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39MWE1D-120220

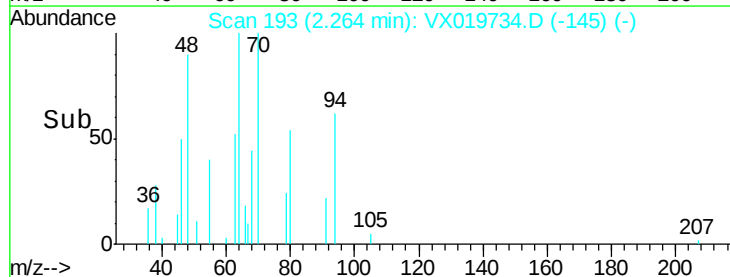
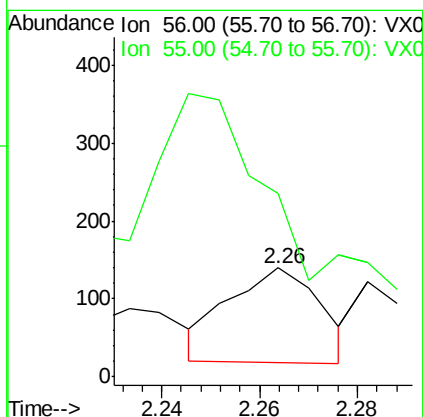
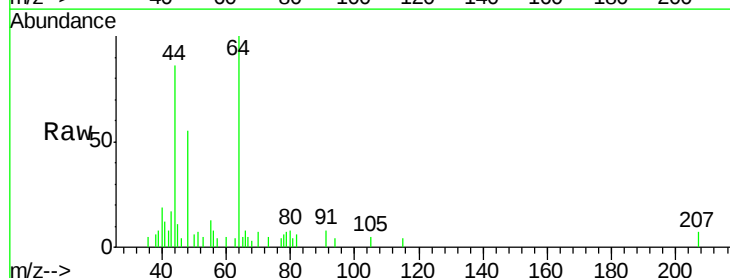
Tot Ion: 59 Resp: 8619
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

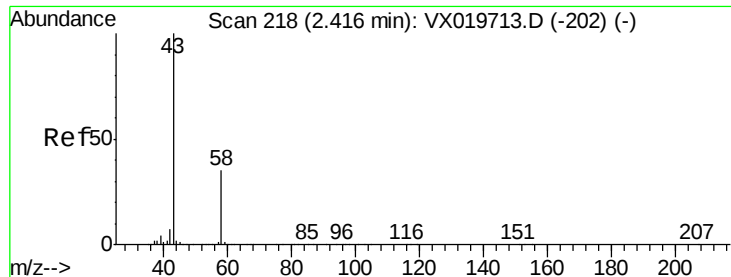


#13

Acrolein
 Concen: 0.317 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX019734.D
 Acq: 04 Dec 2020 22:00

Tgt Ion: 56 Resp: 157
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.4 84.6#





#16

Acetone

Concen: 1.958 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

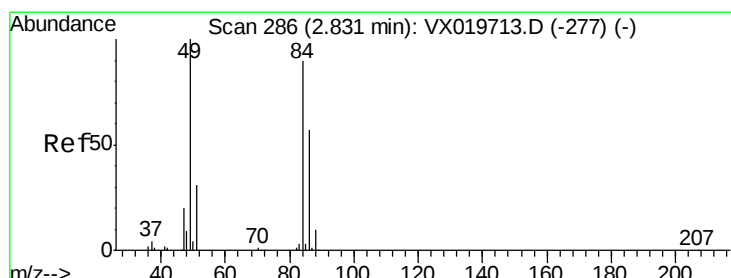
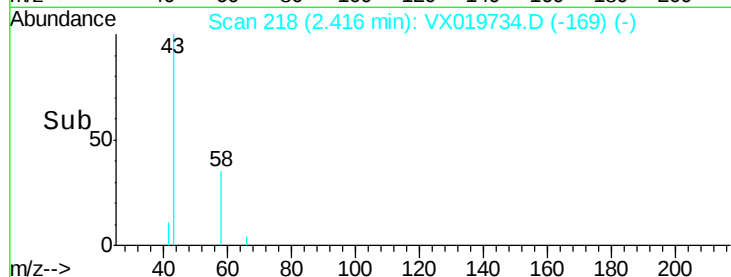
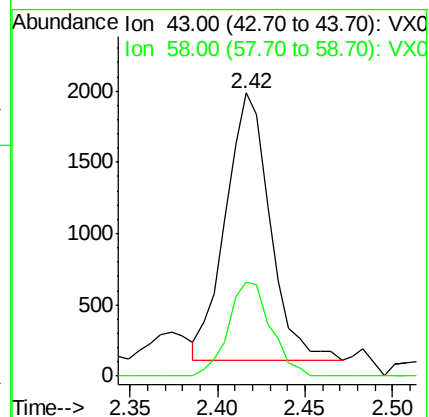
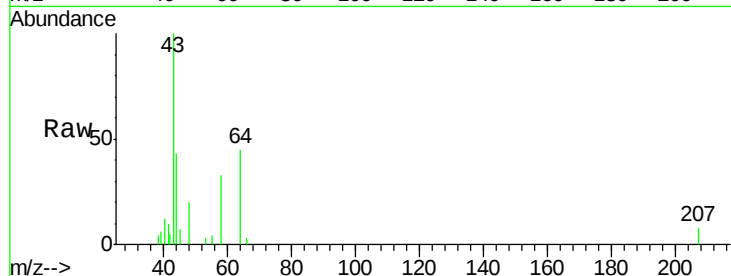
ID039-39MWE1D-120220

Tot Ion: 43 Resp: 3298

Ion Ratio Lower Upper

43 100

58 35.4 27.8 41.8



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

Tgt Ion: 84 Resp: 929

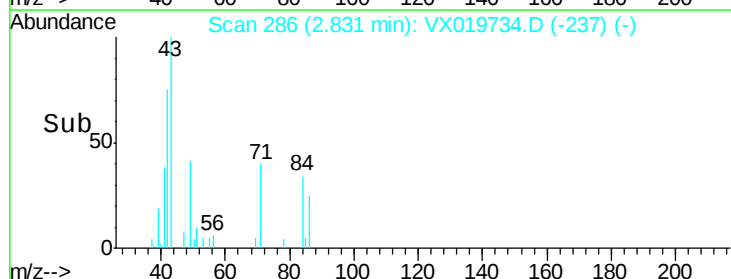
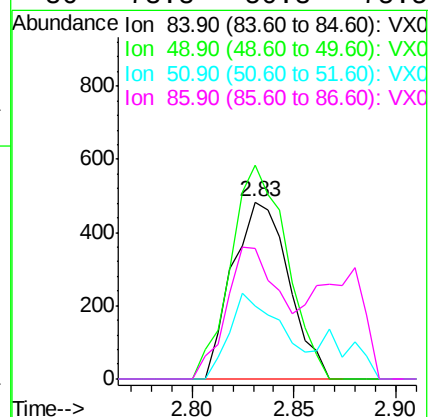
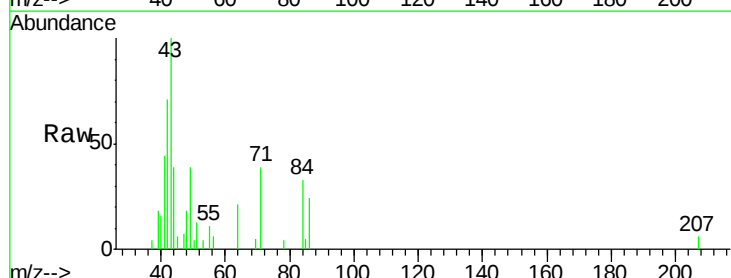
Ion Ratio Lower Upper

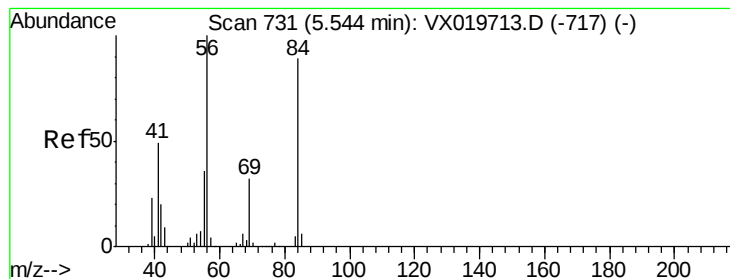
84 100

49 120.7 88.6 132.8

51 41.3 27.0 40.6#

86 73.8 50.3 75.5





#31

Cyclohexane

Concen: 0.272 ug/l

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

Instrument :

MSVOA_X

ClientSampleID :

ID039-39MWE1D-120220

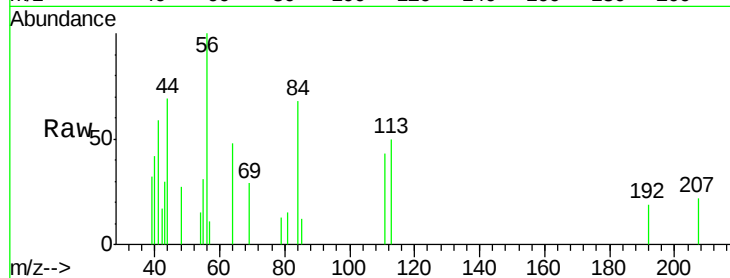
Tot Ion: 56 Resp: 1516

Ion Ratio Lower Upper

56 100

69 28.8 25.3 37.9

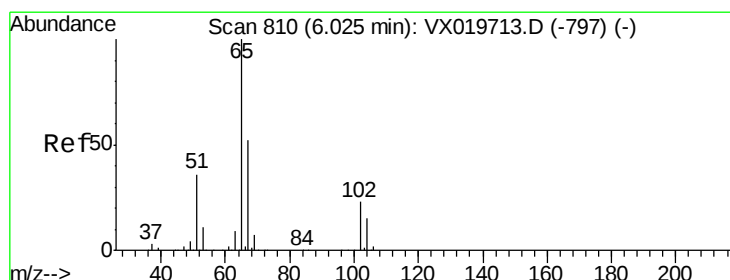
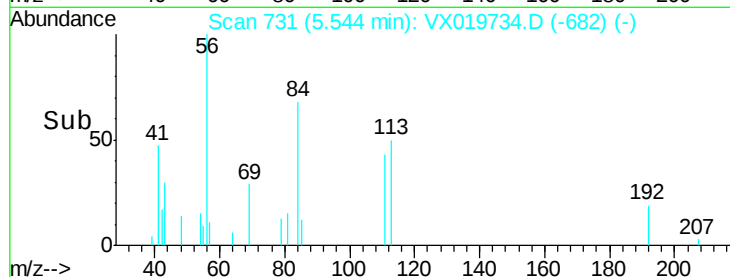
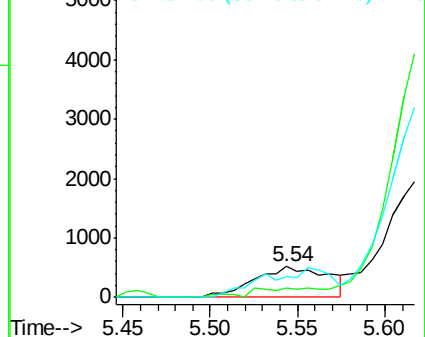
84 67.9 71.4 107.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.548 ug/l

RT: 6.03 min Scan# 810

Delta R.T. 0.00 min

Lab File: VX019734.D

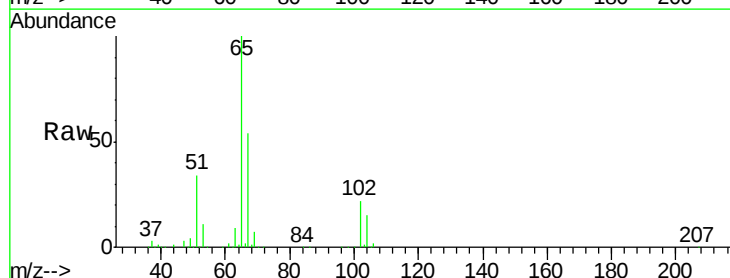
Acq: 04 Dec 2020 22:00

Tgt Ion: 65 Resp: 204085

Ion Ratio Lower Upper

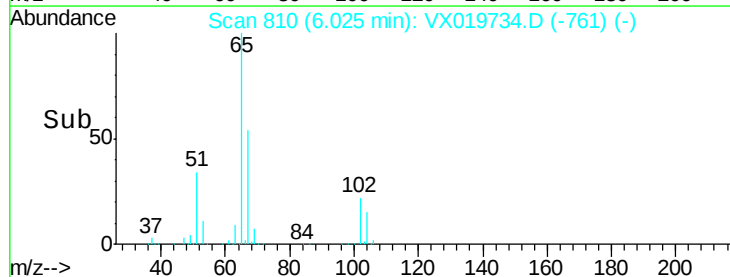
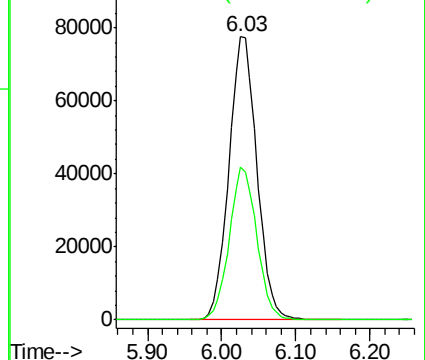
65 100

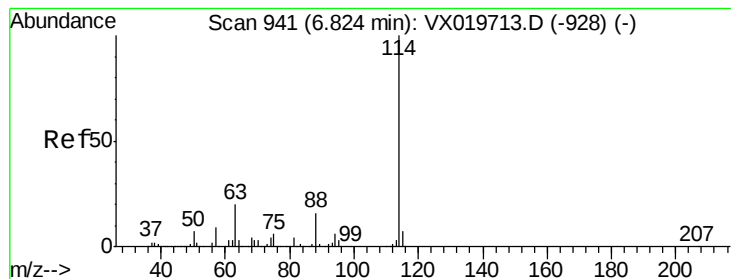
67 53.1 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

ID039-39MWE1D-120220

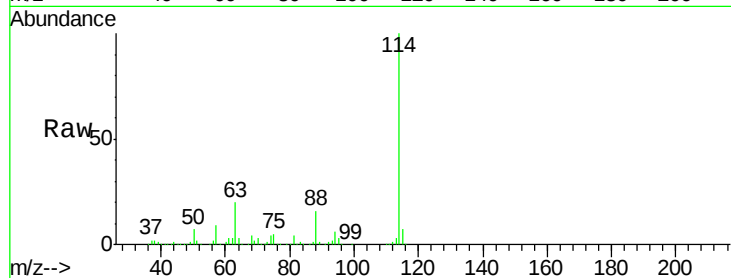
Tot Ion:114 Resp: 552259

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

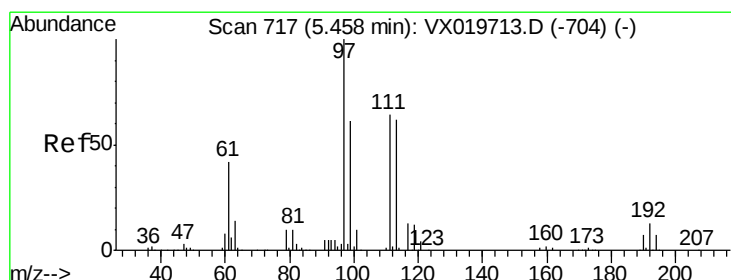
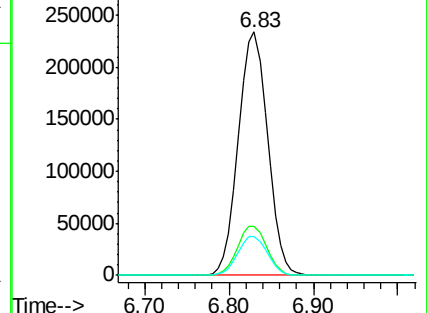
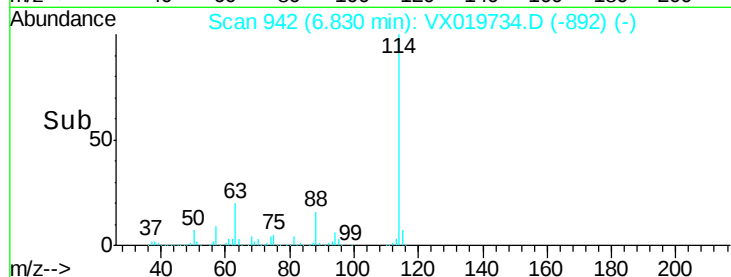
88 16.0 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.162 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

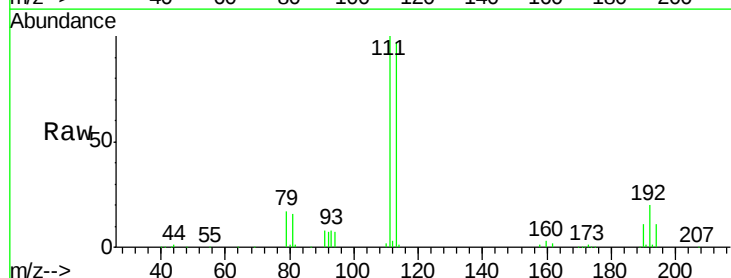
Tgt Ion:113 Resp: 164760

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

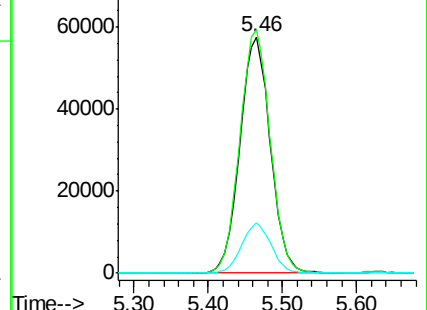
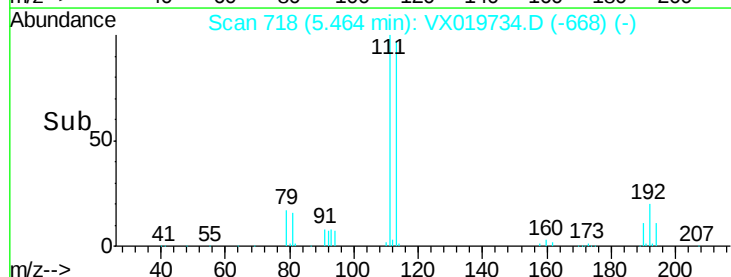
192 20.8 16.7 25.1

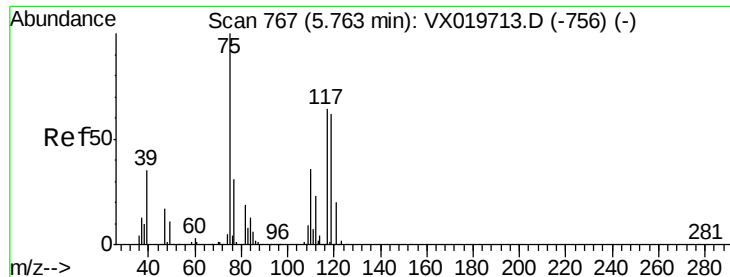


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

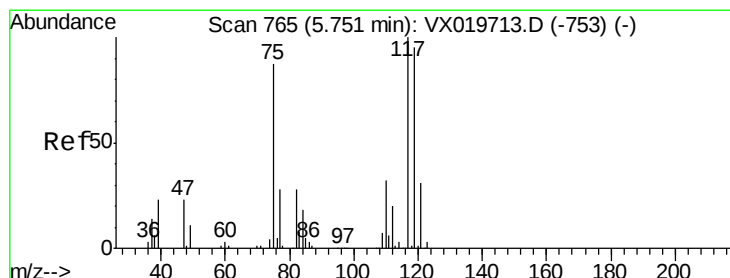
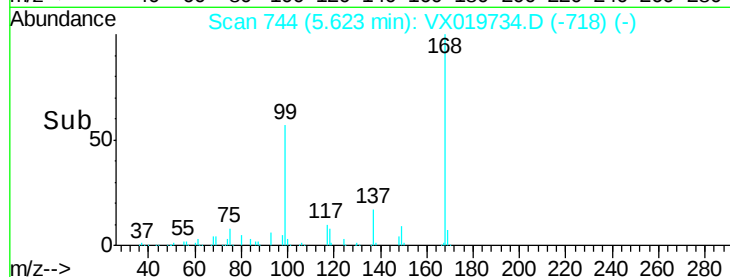
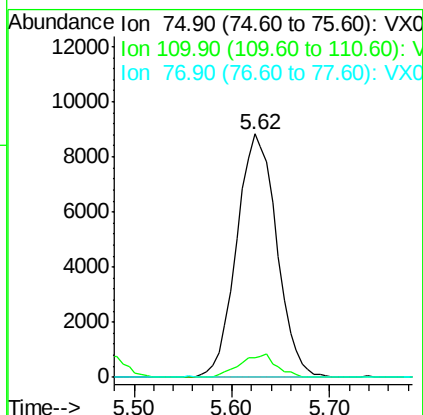
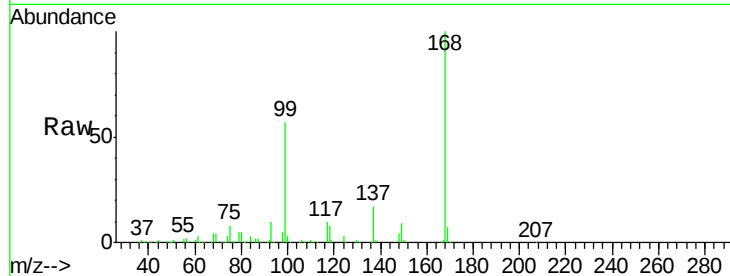




#36
 1,1-Dichloropropene
 Concen: 5.033 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019734.D
 Acq: 04 Dec 2020 22:00

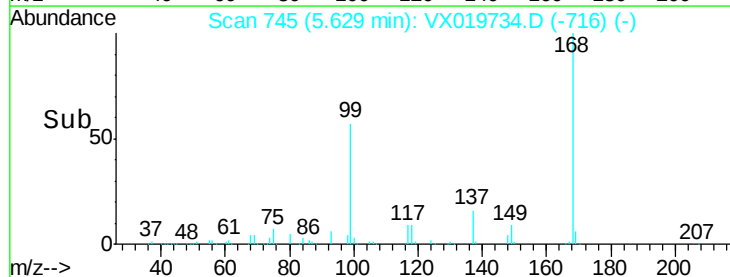
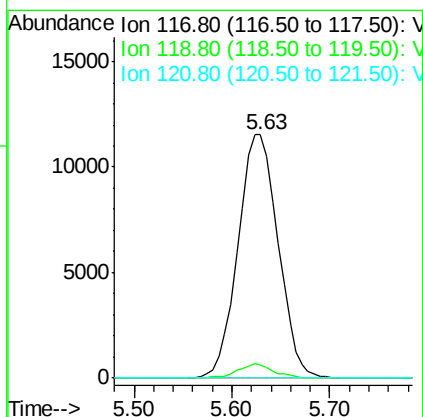
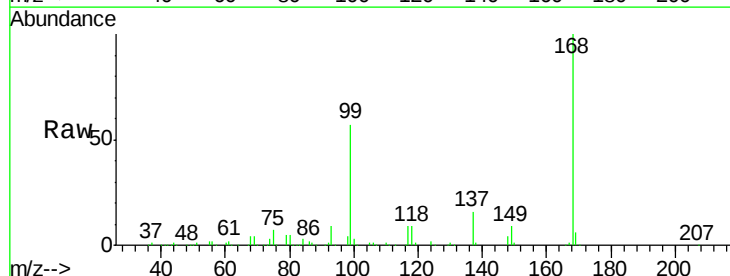
Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39MWE1D-120220

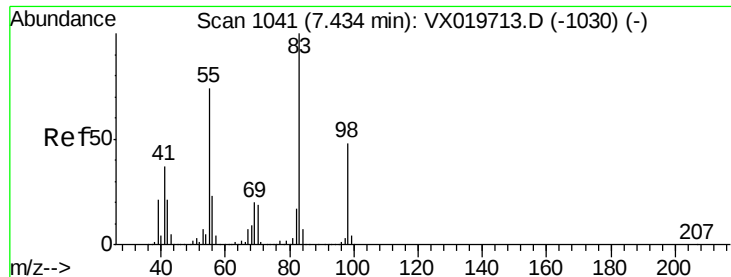
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.4#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.711 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019734.D
 Acq: 04 Dec 2020 22:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.2	114.2#
121	0.0	24.8	37.2#

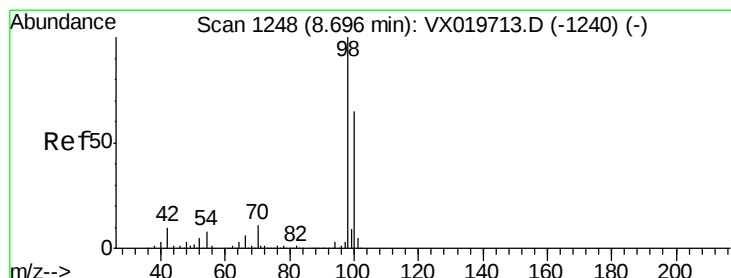
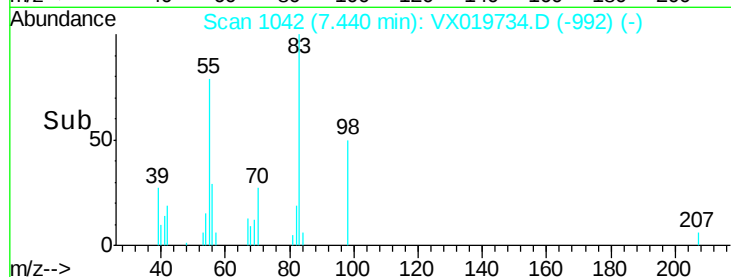
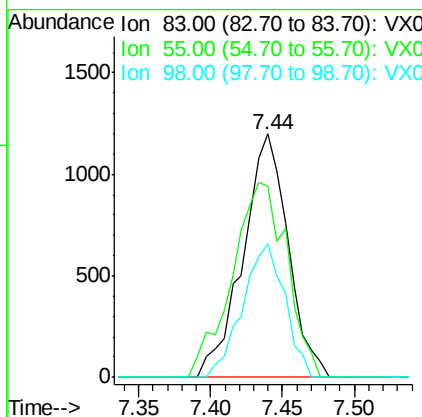
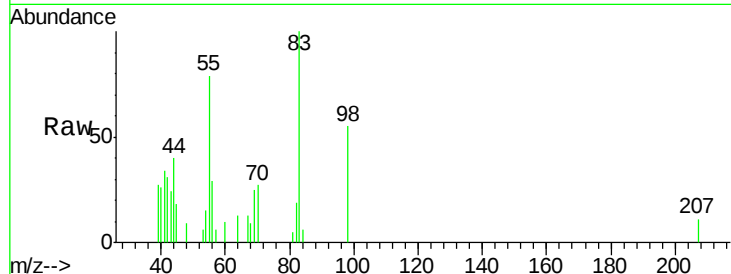




#39
Methvlcvclohexane
Concen: 0.443 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019734.D
Acq: 04 Dec 2020 22:00

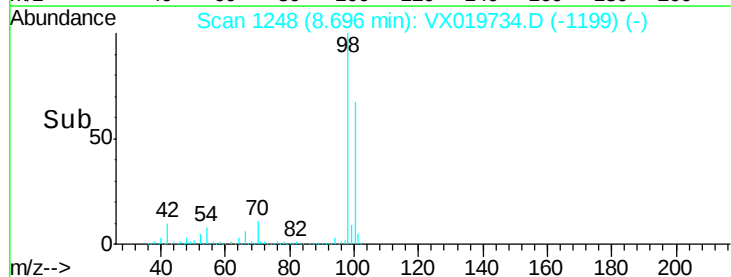
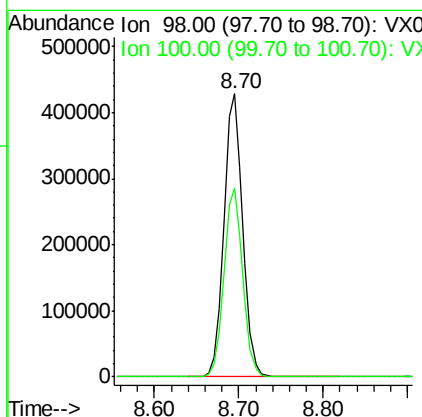
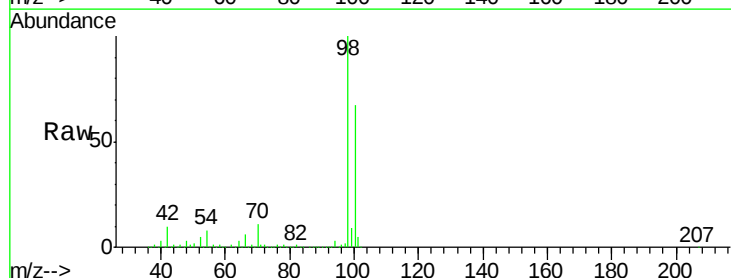
Instrument :
MSVOA_X
ClientSampleId :
ID039-39MWE1D-120220

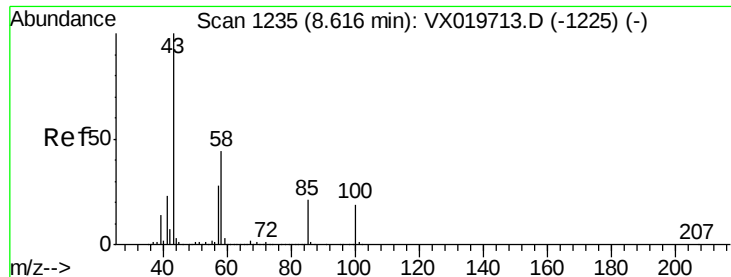
Tot Ion: 83 Resp: 2598
Ion Ratio Lower Upper
83 100
55 78.7 58.9 88.3
98 54.7 38.1 57.1



#50
Toluene-d8
Concen: 48.042 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019734.D
Acq: 04 Dec 2020 22:00

Tgt Ion: 98 Resp: 654633
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 0.547 ug/l

RT: 8.69 min Scan# 1247

Delta R.T. 0.07 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

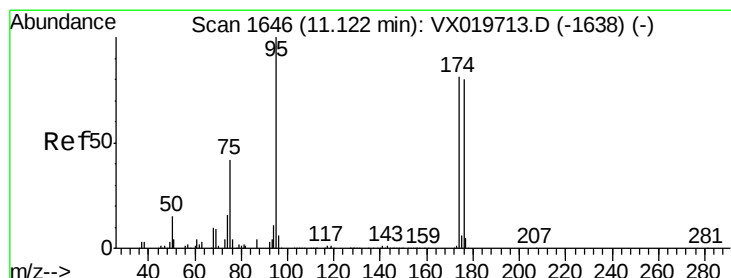
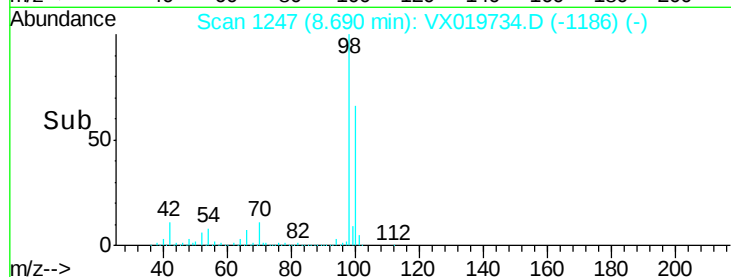
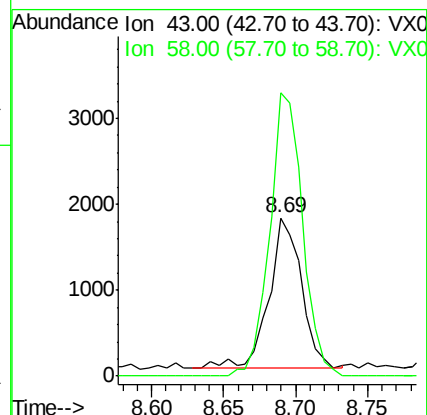
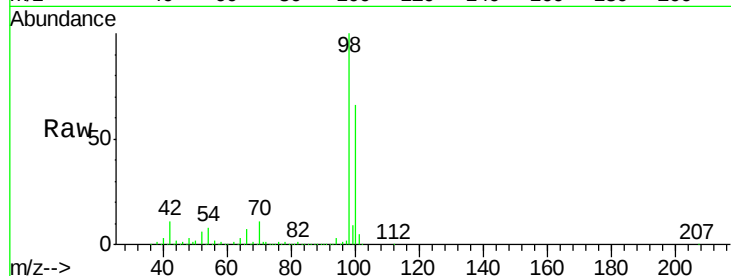
ID039-39MWE1D-120220

Tot Ion: 43 Resp: 2736

Ion Ratio Lower Upper

43 100

58 190.6 35.4 53.0#



#62

4-Bromofluorobenzene

Concen: 46.112 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

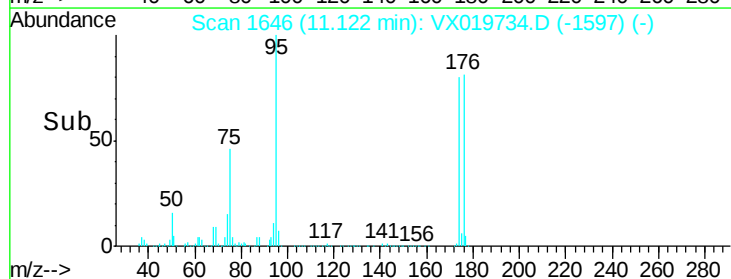
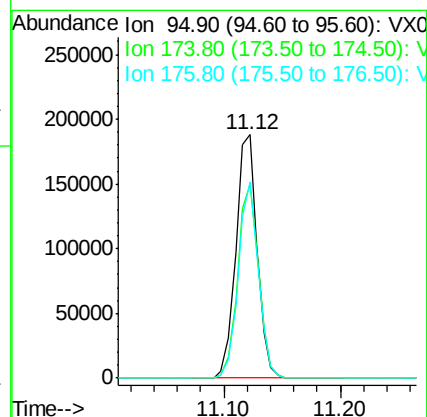
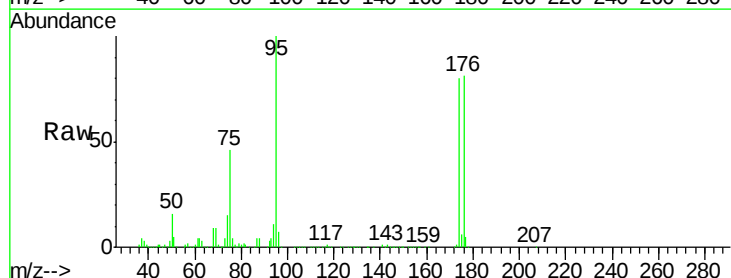
Tgt Ion: 95 Resp: 239150

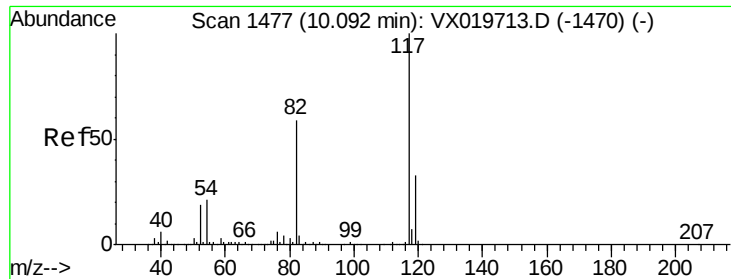
Ion Ratio Lower Upper

95 100

174 78.5 0.0 154.6

176 76.3 0.0 155.8

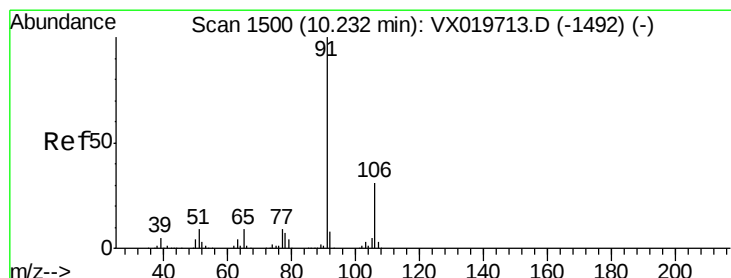
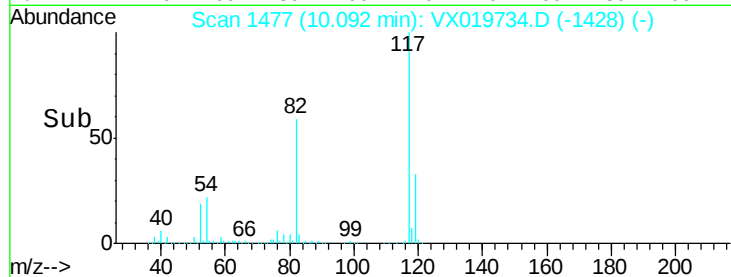
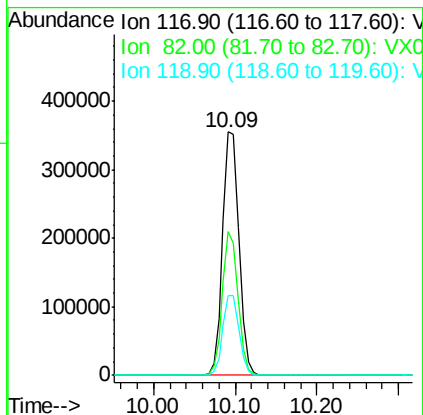
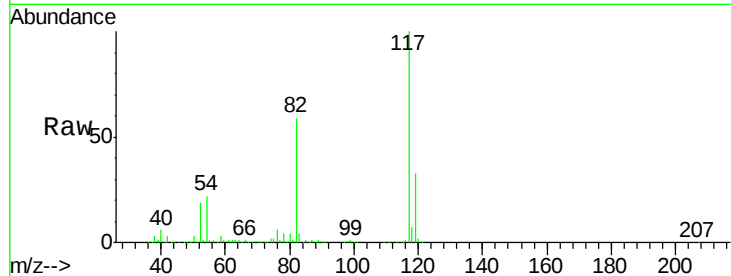




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX019734.D
Acq: 04 Dec 2020 22:00

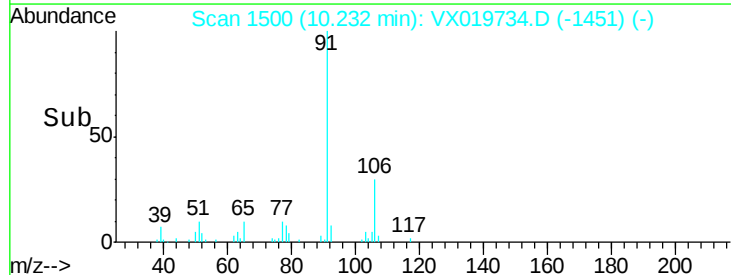
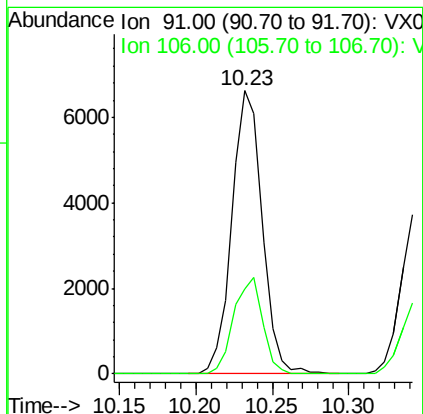
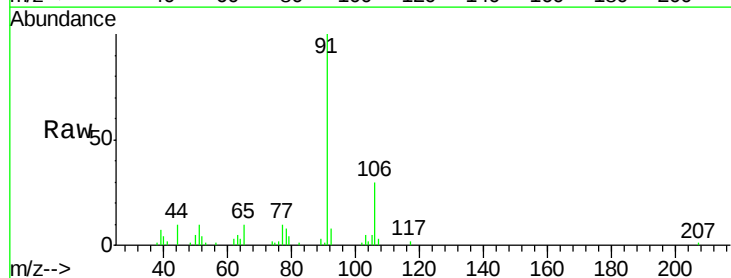
Instrument :
MSVOA_X
ClientSampleId :
ID039-39MWE1D-120220

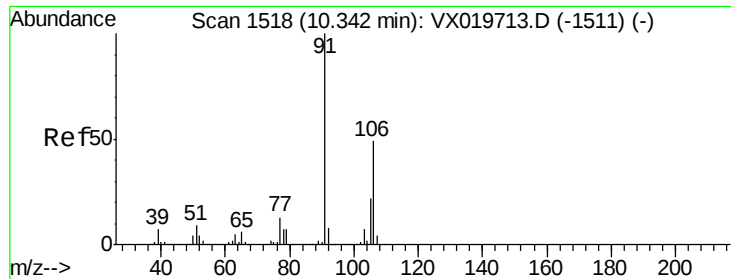
Tot Ion:117 Resp: 497759
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 32.9 26.6 39.8



#67
Ethyl Benzene
Concen: 0.517 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019734.D
Acq: 04 Dec 2020 22:00

Tgt Ion: 91 Resp: 9103
Ion Ratio Lower Upper
91 100
106 29.9 24.6 37.0





#68

m/p-Xvlenes

Concen: 0.335 ug/l

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

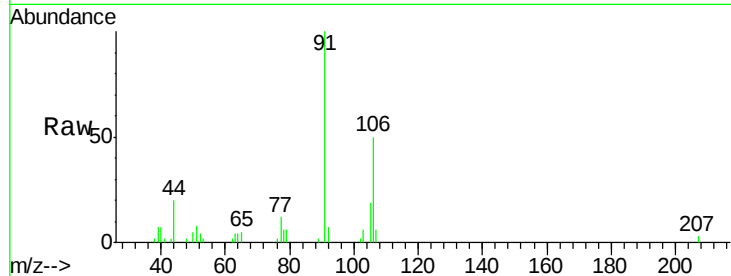
ID039-39MWE1D-120220

Tot Ion:106 Resp: 2220

Ion Ratio Lower Upper

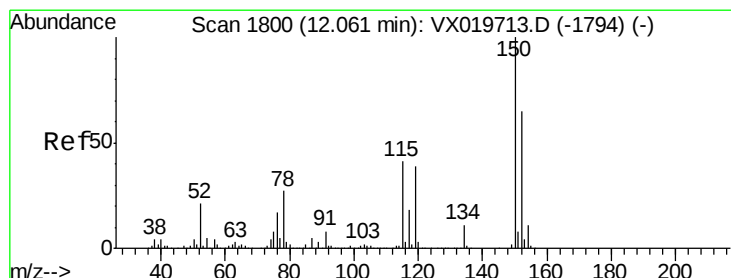
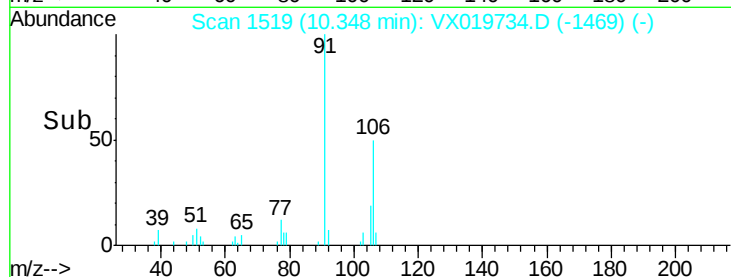
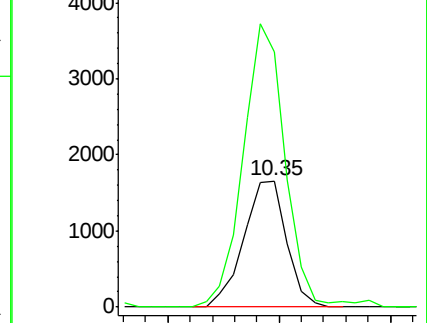
106 100

91 221.2 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

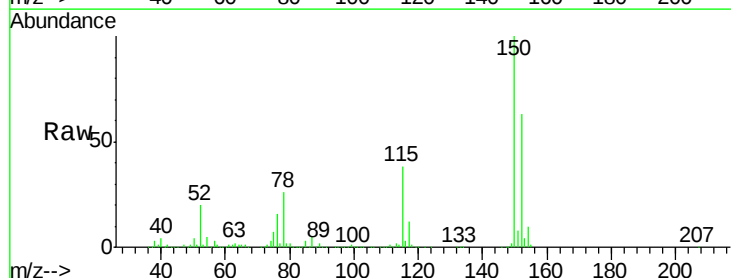
Tgt Ion:152 Resp: 226428

Ion Ratio Lower Upper

152 100

115 60.1 41.1 123.3

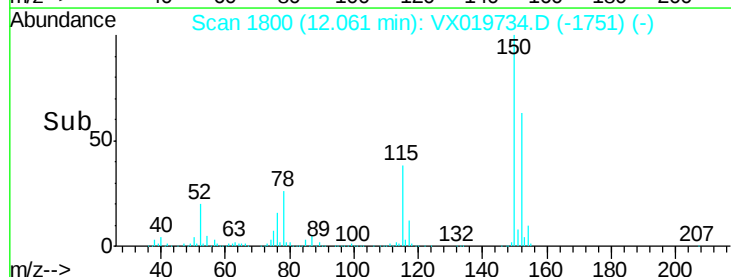
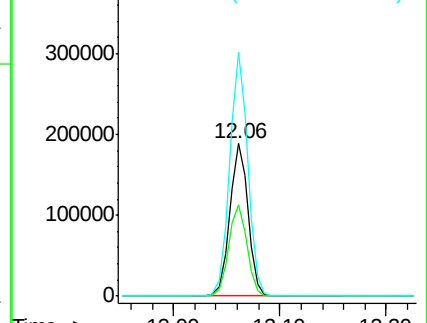
150 158.4 0.0 349.0

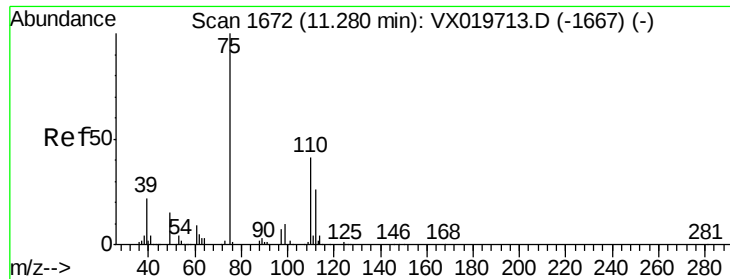


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

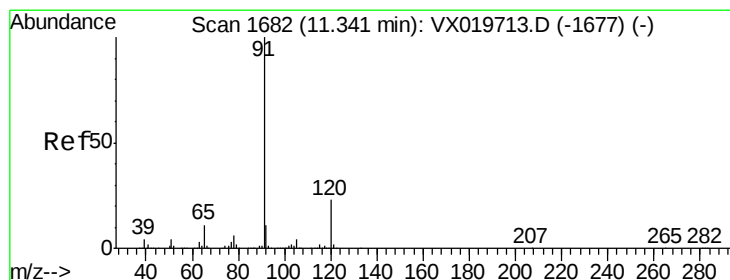
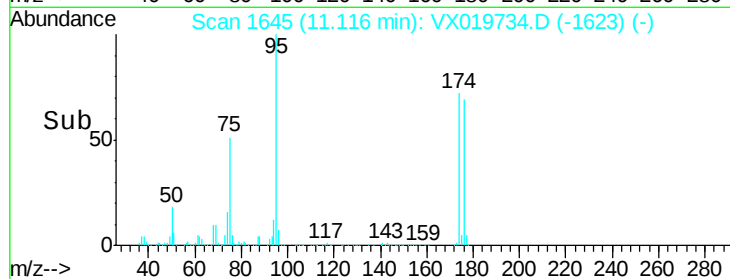
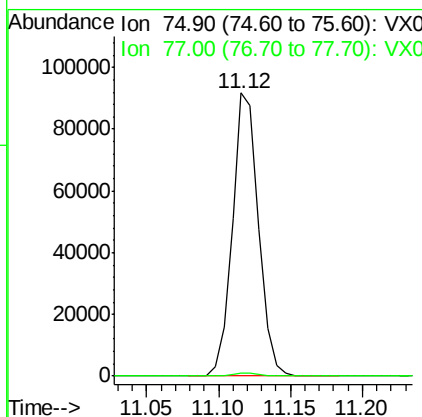
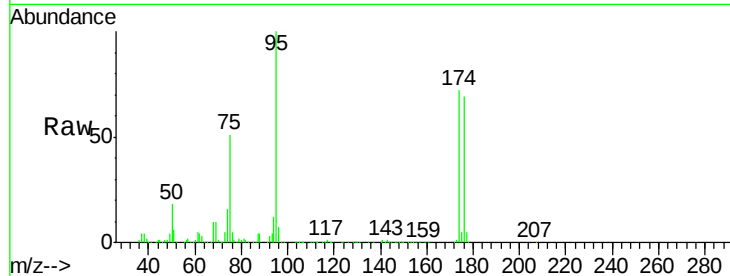




#76
 1,2,3-Trichloropropane
 Concen: 22.899 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. -0.16 min
 Lab File: VX019734.D
 Acq: 04 Dec 2020 22:00

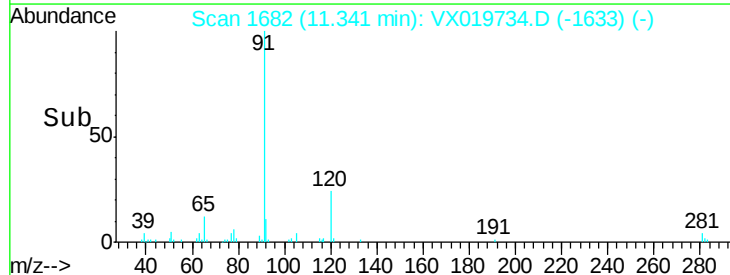
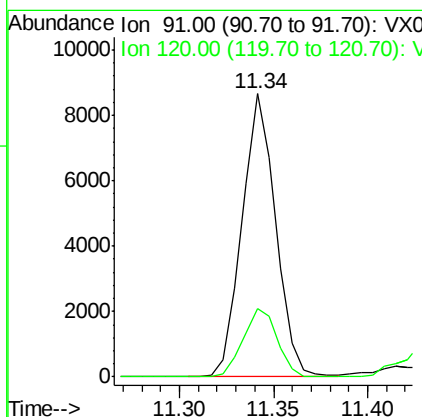
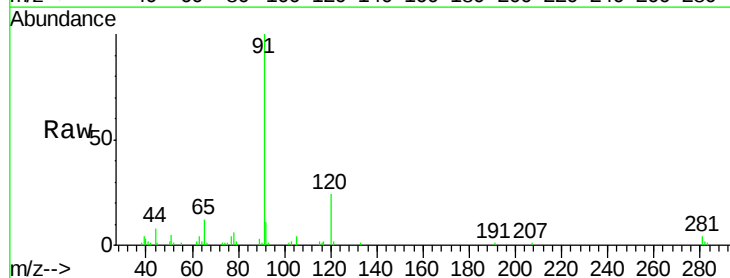
Instrument :
 MSVOA_X
 ClientSampleID :
 ID039-39MWE1D-120220

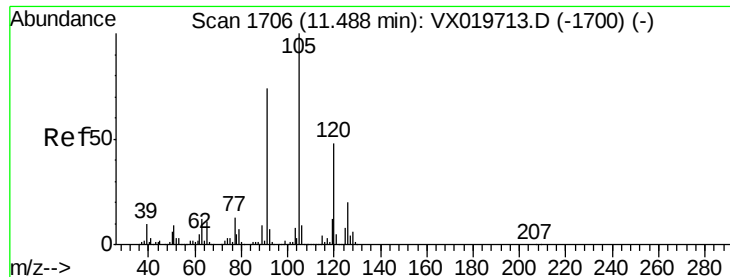
Tot Ion: 75 Resp: 116290
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



#78
 n-propylbenzene
 Concen: 0.608 ug/l
 RT: 11.34 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VX019734.D
 Acq: 04 Dec 2020 22:00

Tgt Ion: 91 Resp: 10748
 Ion Ratio Lower Upper
 91 100
 120 24.2 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 0.289 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

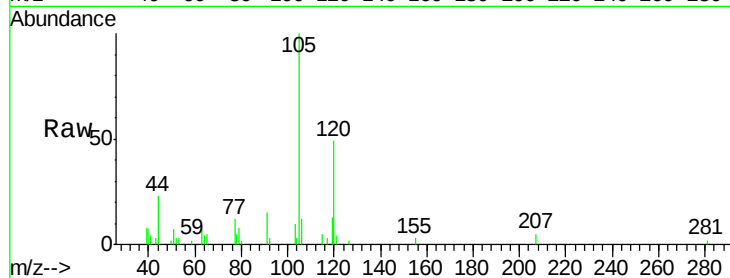
ID039-39MWE1D-120220

Tot Ion:105 Resp: 3769

Ion Ratio Lower Upper

105 100

120 49.6 23.8 71.5

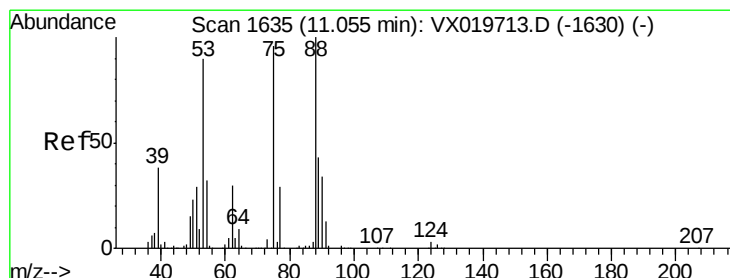
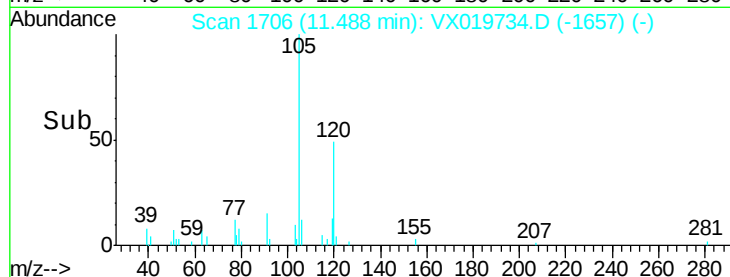


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 66.197 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019734.D

Acq: 04 Dec 2020 22:00

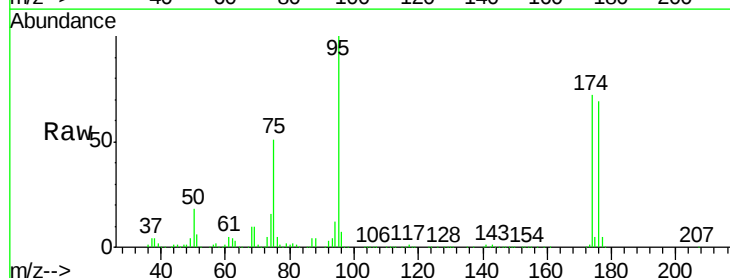
Tgt Ion: 75 Resp: 116290

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

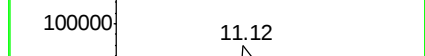
89 0.0 37.9 56.9#



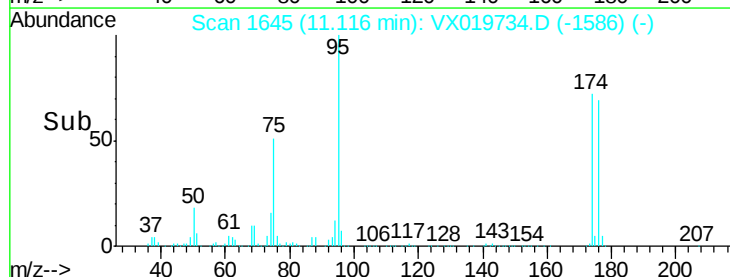
Abundance Ion 74.90 (74.60 to 75.60): VX0

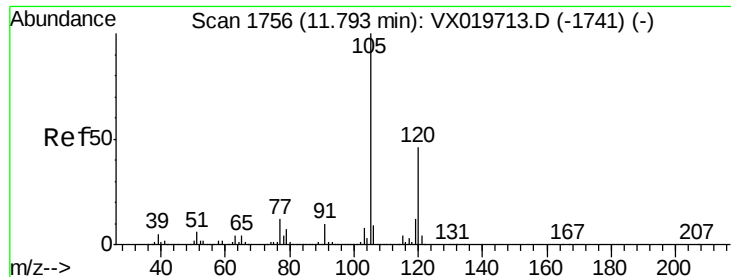
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->

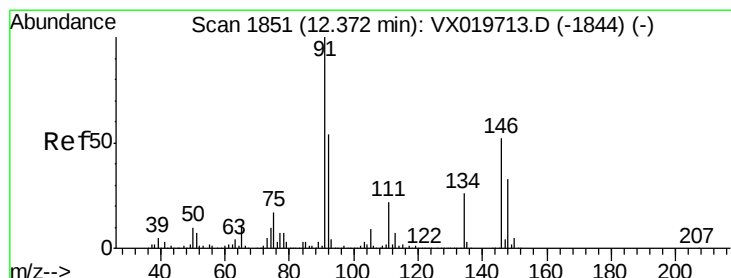
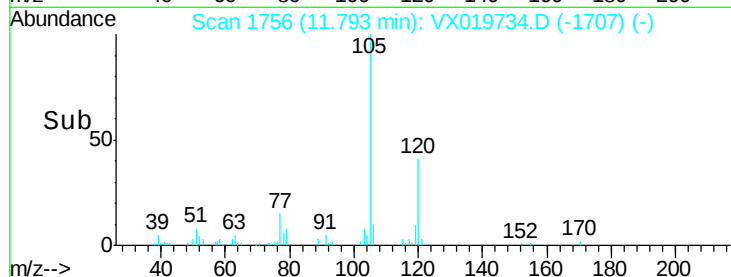
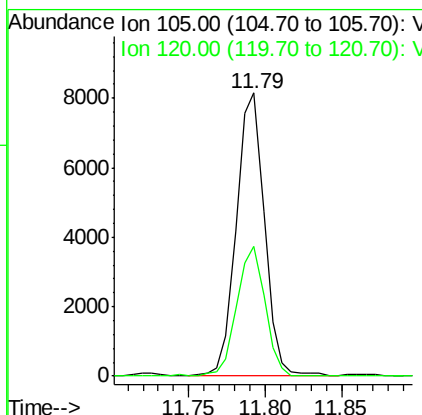
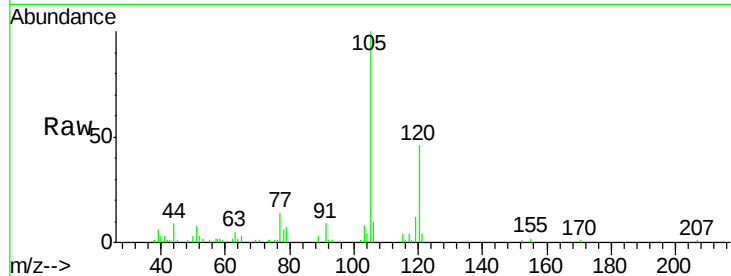




#84
 1,2,4-Trimethylbenzene
 Concen: 0.792 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019734.D
 Acq: 04 Dec 2020 22:00

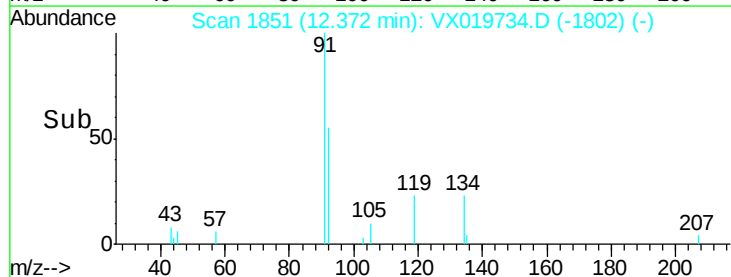
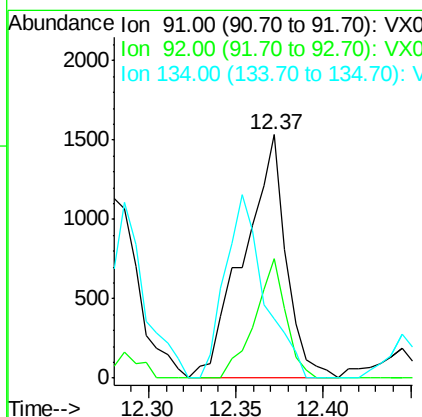
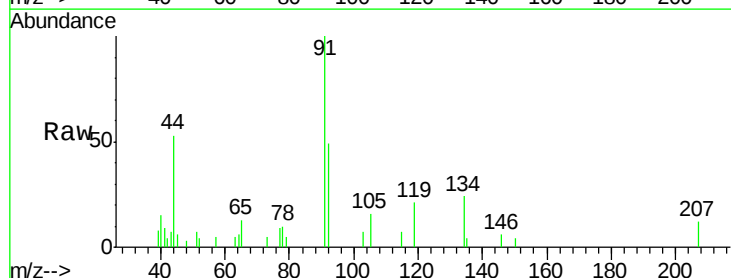
Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39MWE1D-120220

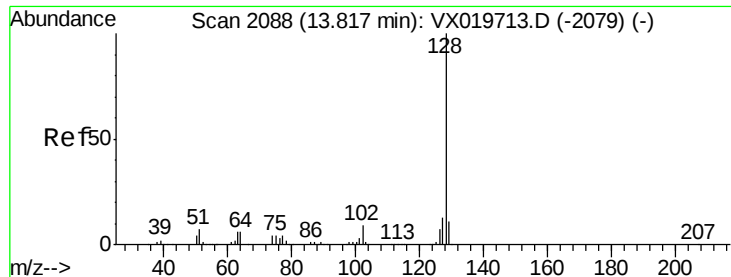
Tot Ion:105 Resp: 10412
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.4 67.3



#89
 n-Butylbenzene
 Concen: 0.218 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX019734.D
 Acq: 04 Dec 2020 22:00

Tgt Ion: 91 Resp: 2589
 Ion Ratio Lower Upper
 91 100
 92 36.0 27.4 82.0
 134 69.8 13.2 39.5#

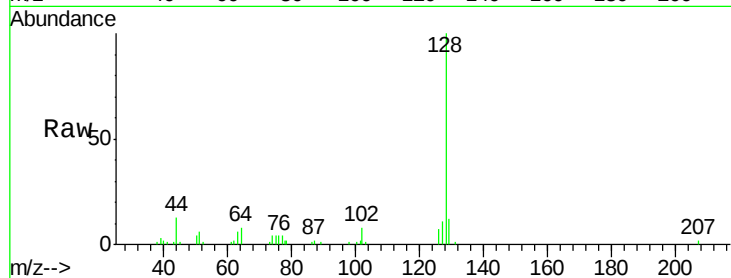




#95
Naphthalene
Concen: 0.877 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019734.D
Acq: 04 Dec 2020 22:00

Instrument :
MSVOA_X
ClientSampleId :
ID039-39MWE1D-120220

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	11.4	8.8	13.2



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

