

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103019\
 Data File : VX013285.D
 Acq On : 30 Oct 2019 14:49
 Operator : JC/SP
 Sample : K5602-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 31 01:41:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	68840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	102502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	101899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	61217	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	81618	56.69	ug/l	0.00
Spiked Amount			Recovery	=	113.38%	
35) Dibromofluoromethane	5.49	113	145	0.13	ug/l	0.00
Spiked Amount			Recovery	=	0.26%	
50) Toluene-d8	8.71	98	214379	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	74819	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

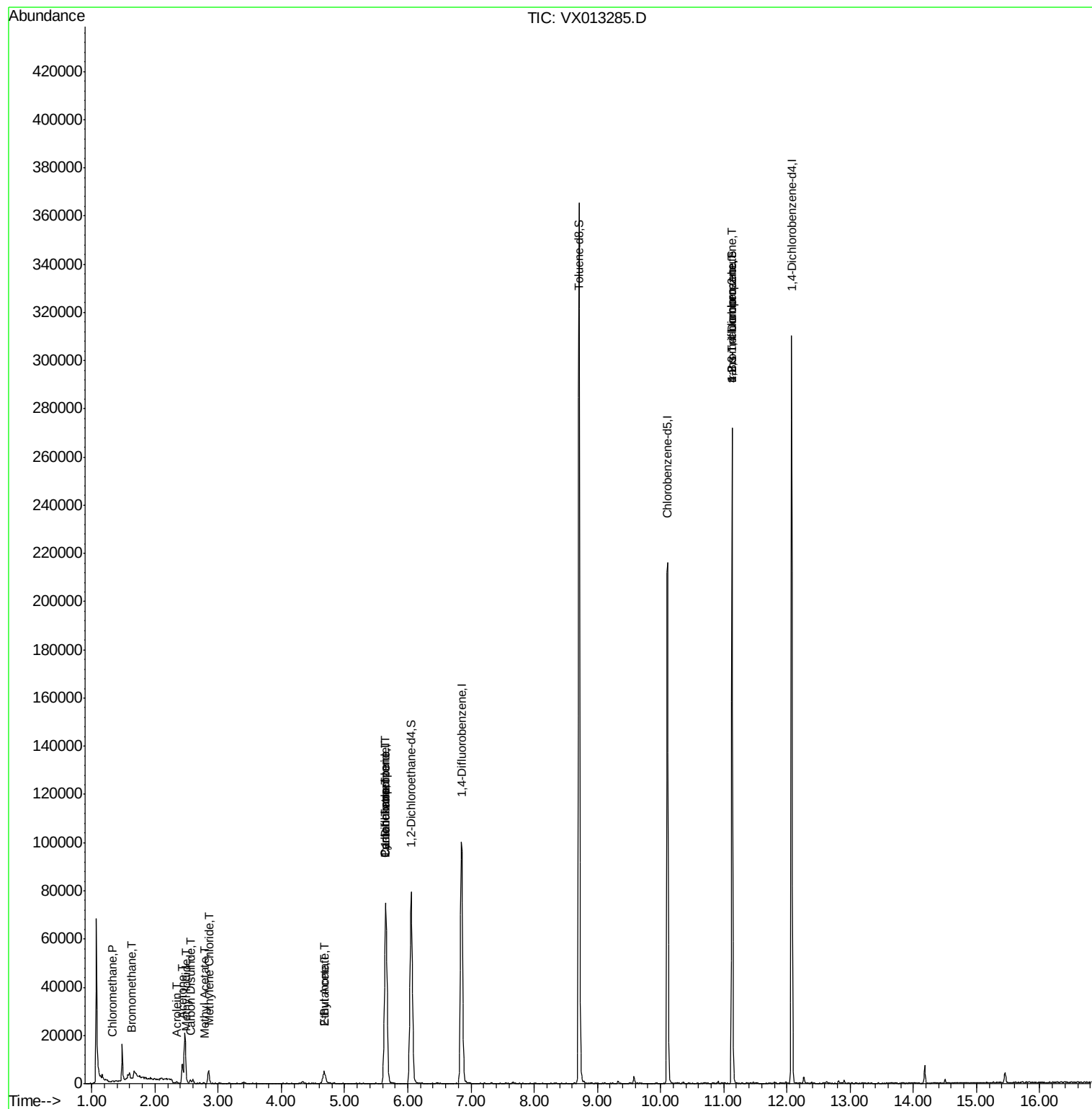
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	46	1.017	ug/l #	40
5) Bromomethane	1.63	94	311	0.469	ug/l #	50
10) Methyl Iodide	2.50	142	251	3.692	ug/l #	54
11) Tert butyl alcohol	3.04	59	76	Below Cal	#	72
13) Acrolein	2.34	56	57	0.337	ug/l #	13
16) Acetone	2.44	43	8654	12.758	ug/l	99
17) Carbon Disulfide	2.56	76	1810	0.574	ug/l #	90
18) Methyl Acetate	2.78	43	349	1.200	ug/l #	49
20) Methylene Chloride	2.85	84	2671	2.382	ug/l	91
25) 2-Butanone	4.68	43	1544	1.697	ug/l	94
31) Cyclohexane	5.65	56	1339	0.719	ug/l #	31
36) 1,1-Dichloropropene	5.65	75	5079	2.888	ug/l #	50
37) Ethyl Acetate	4.68	43	1544	0.904	ug/l #	83
38) Carbon Tetrachloride	5.65	117	7284	3.845	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	39066	26.478	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	39066	72.759	ug/l #	10

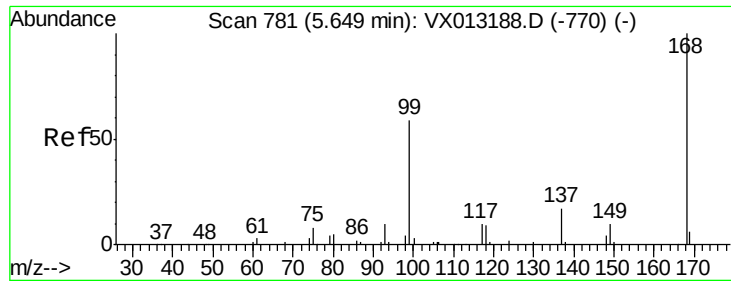
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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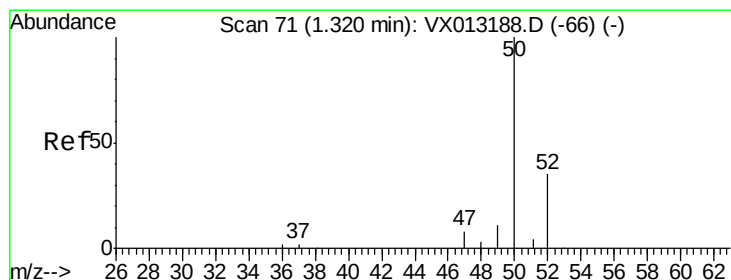
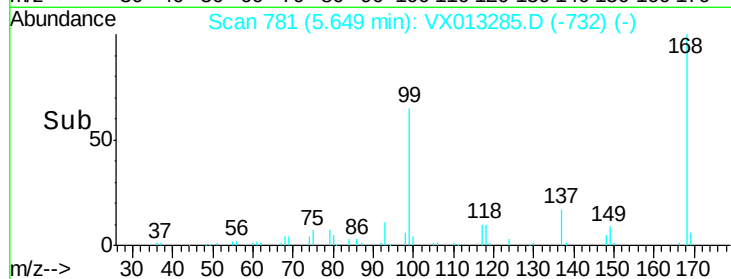
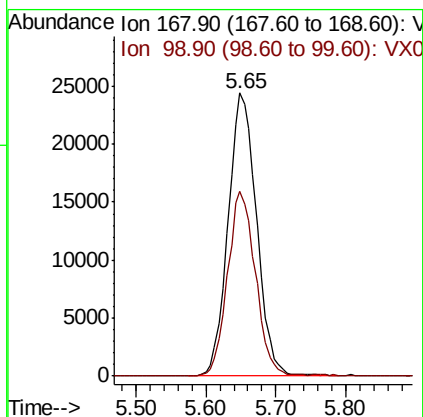
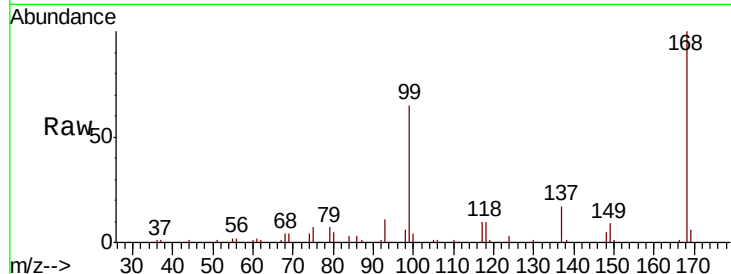




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX013285.D
Acq: 30 Oct 2019 14:49

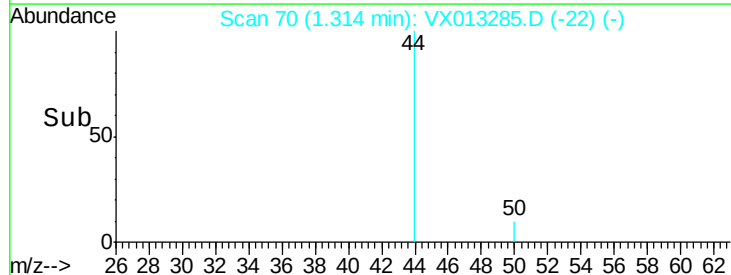
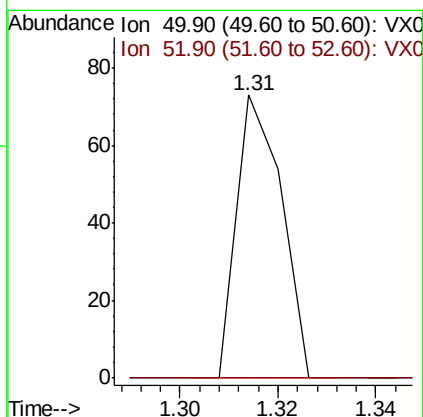
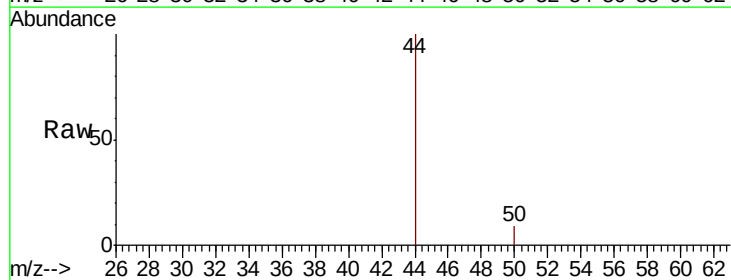
Instrument :
MSVOA_X
ClientSampleId :

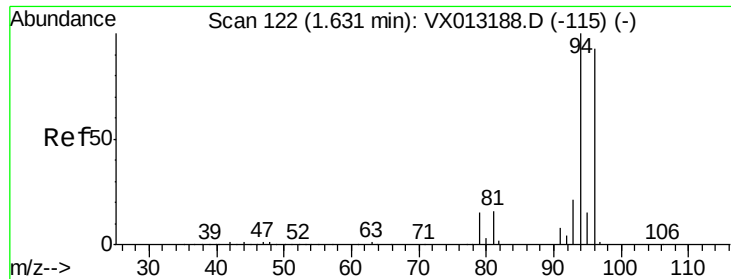
Tot Ion:168 Resp: 68840
Ion Ratio Lower Upper
168 100
99 65.4 47.0 70.4



#3
Chloromethane
Concen: 1.017 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX013285.D
Acq: 30 Oct 2019 14:49

Tgt Ion: 50 Resp: 46
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#





#5

Bromomethane

Concen: 0.469 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013285.D

Acq: 30 Oct 2019 14:49

Instrument :

MSVOA_X

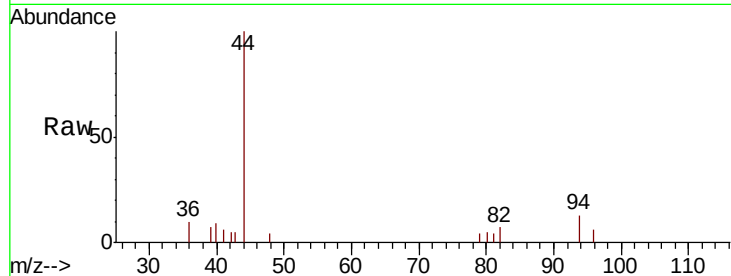
ClientSampleId :

Tot Ion: 94 Resp: 311

Ion Ratio Lower Upper

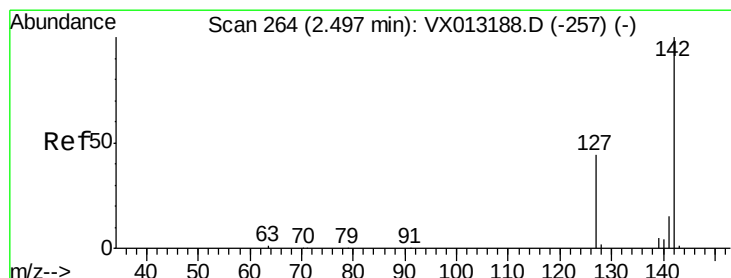
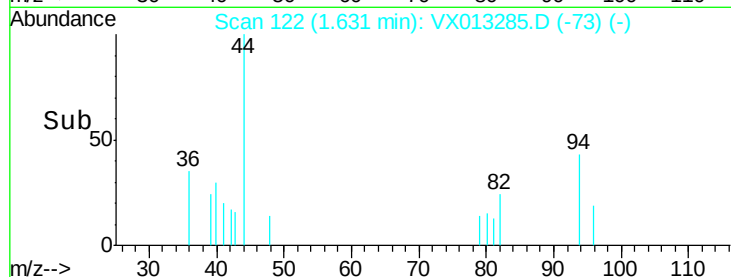
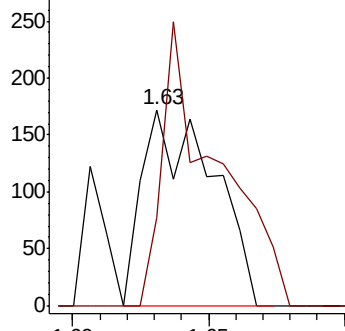
94 100

96 44.8 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 3.692 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013285.D

Acq: 30 Oct 2019 14:49

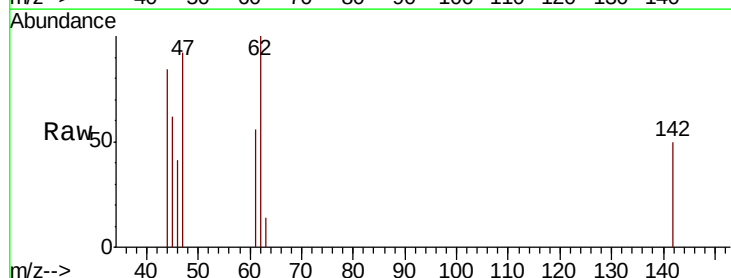
Tgt Ion: 142 Resp: 251

Ion Ratio Lower Upper

142 100

127 12.4 35.6 53.4#

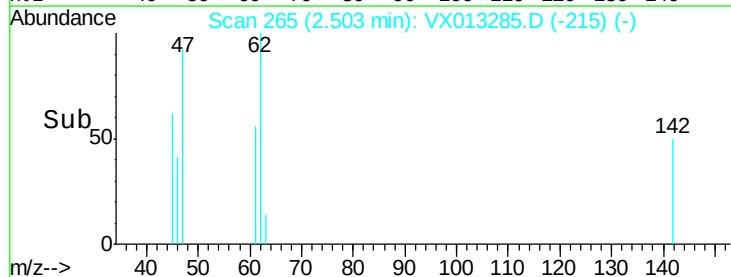
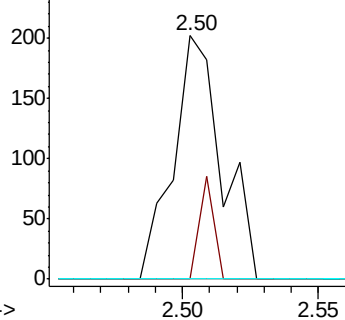
141 0.0 11.6 17.4#

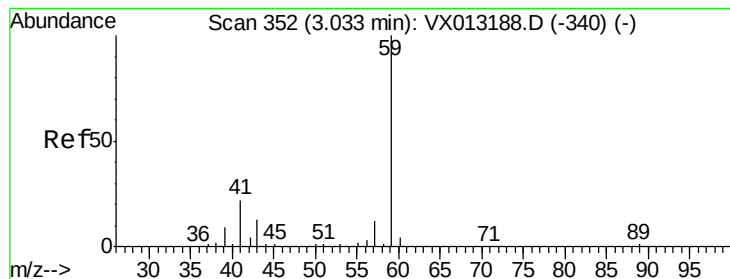


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



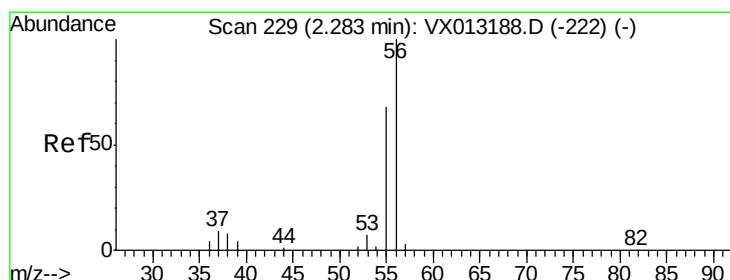
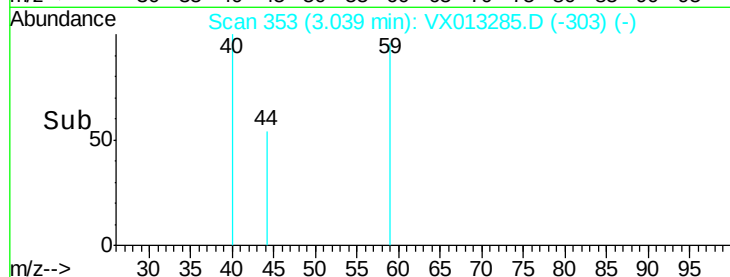
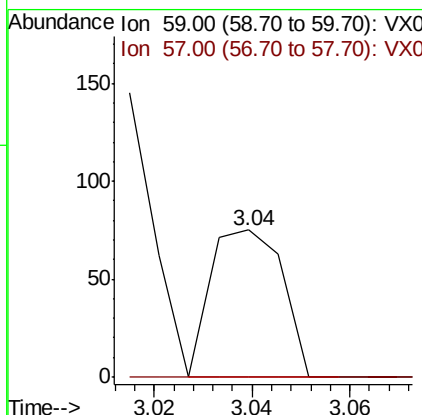
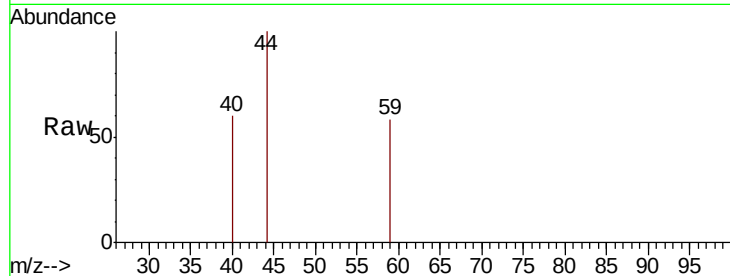


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX013285.D
 Acq: 30 Oct 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :

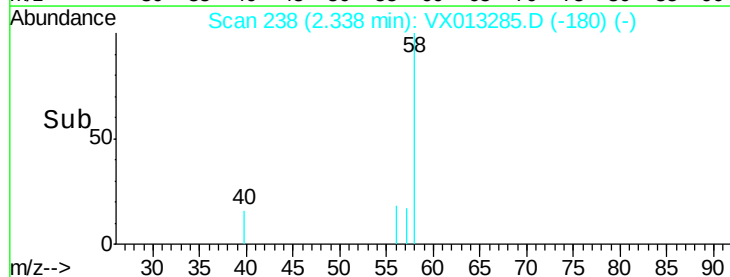
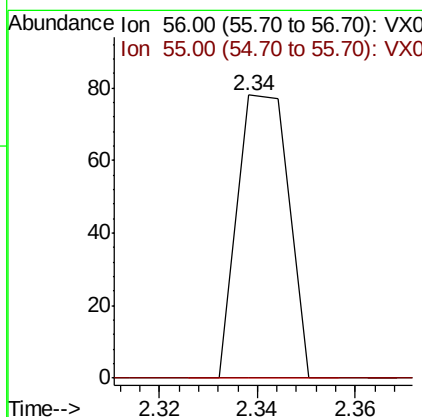
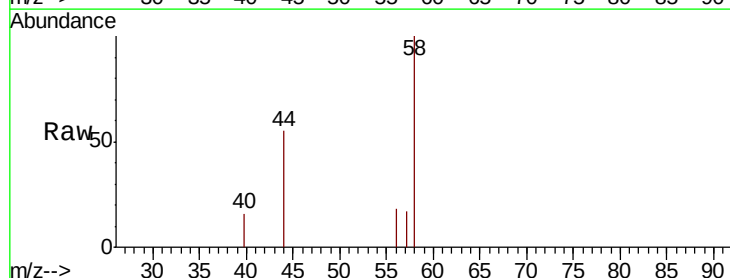
Tot Ion: 59 Resp: 76
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

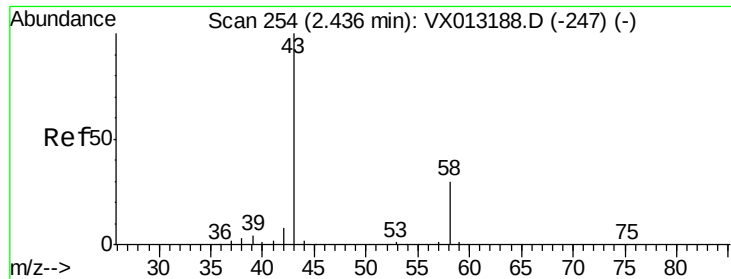


#13

Acrolein
 Concen: 0.337 ug/l
 RT: 2.34 min Scan# 238
 Delta R.T. 0.05 min
 Lab File: VX013285.D
 Acq: 30 Oct 2019 14:49

Tgt Ion: 56 Resp: 57
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.9 88.3#





#16

Acetone

Concen: 12.758 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013285.D

Acq: 30 Oct 2019 14:49

Instrument :

MSVOA_X

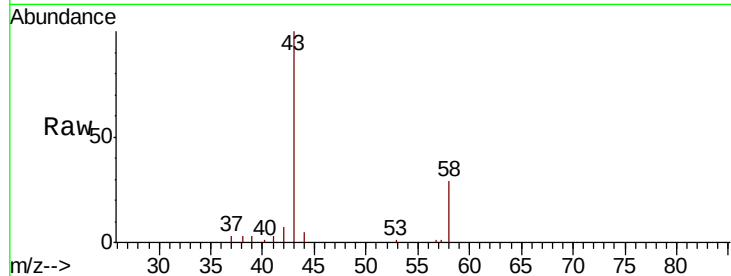
ClientSampleId :

Tot Ion: 43 Resp: 8654

Ion Ratio Lower Upper

43 100

58 29.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

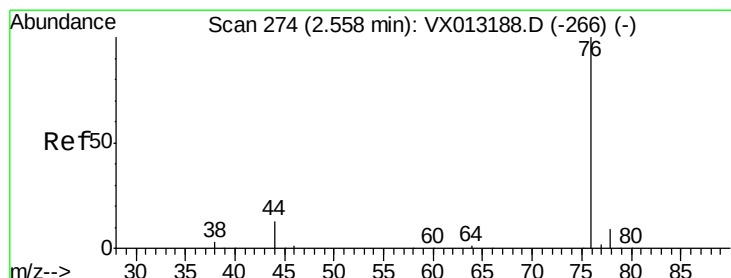
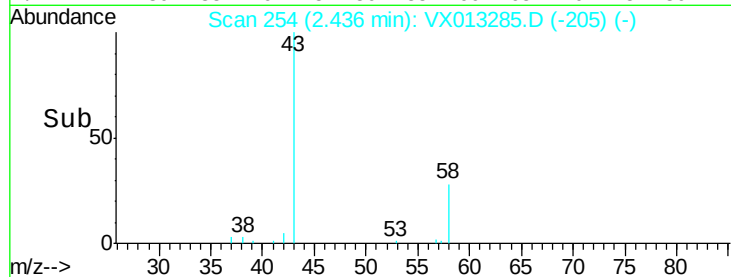
2000

1000

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.574 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013285.D

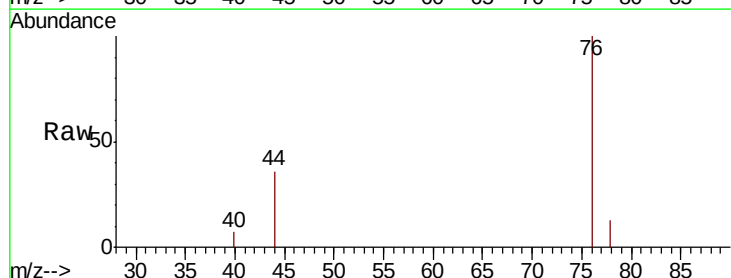
Acq: 30 Oct 2019 14:49

Tgt Ion: 76 Resp: 1810

Ion Ratio Lower Upper

76 100

78 13.1 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1000

800

600

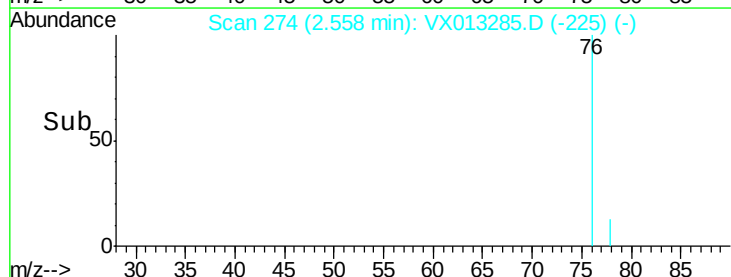
400

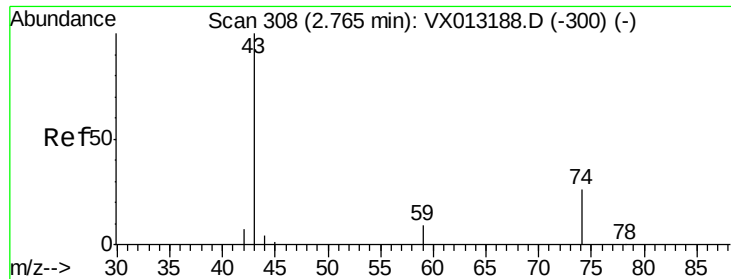
200

0

2.50 2.55 2.60

Time-->

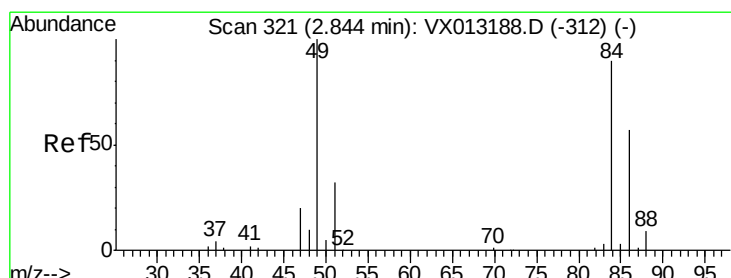
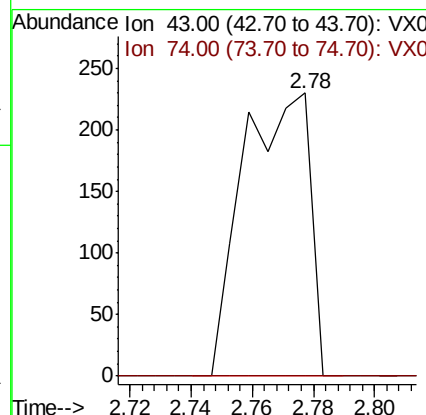
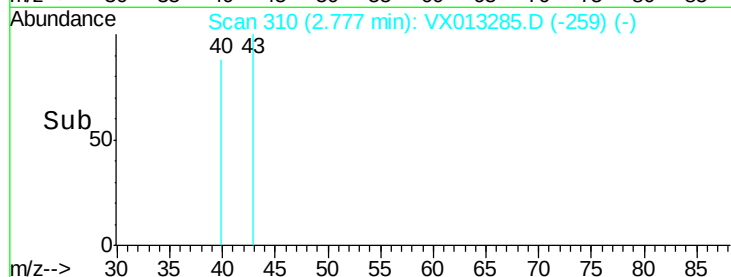
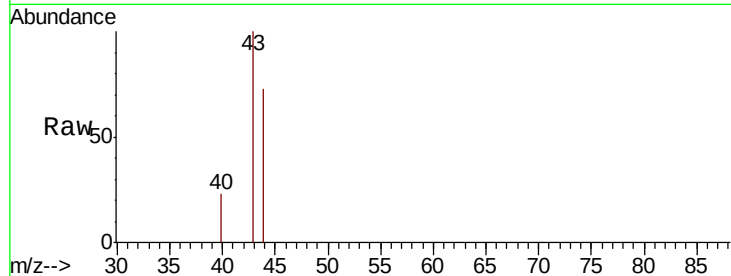




#18
Methyl Acetate
Concen: 1.200 ug/l
RT: 2.78 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX013285.D
Acq: 30 Oct 2019 14:49

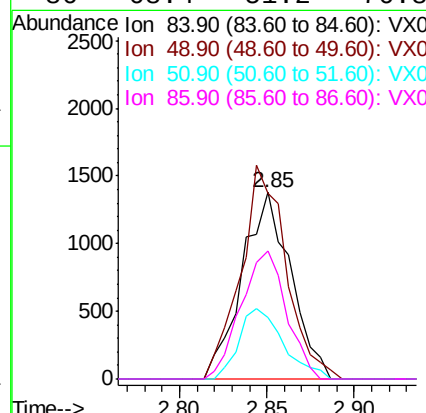
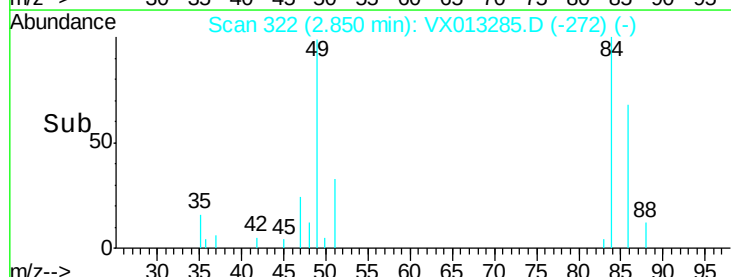
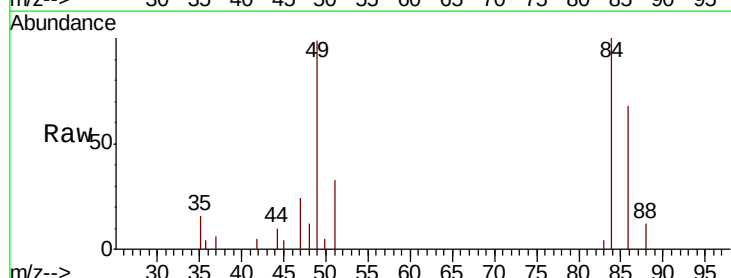
Instrument :
MSVOA_X
ClientSampled :

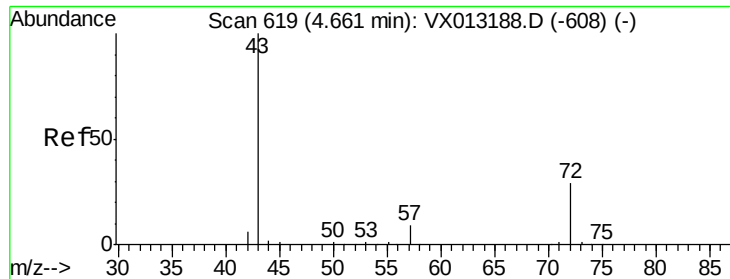
Tot Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 2.382 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013285.D
Acq: 30 Oct 2019 14:49

Tgt Ion: 84 Resp: 2671
Ion Ratio Lower Upper
84 100
49 99.2 89.2 133.8
51 32.7 28.8 43.2
86 68.4 51.2 76.8





#25

2-Butanone

Concen: 1.697 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013285.D

Acq: 30 Oct 2019 14:49

Instrument :

MSVOA_X

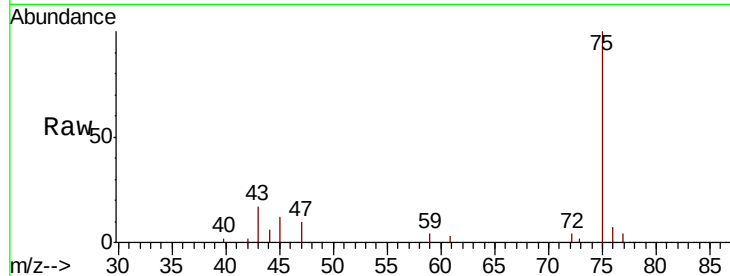
ClientSampleId :

Tot Ion: 43 Resp: 1544

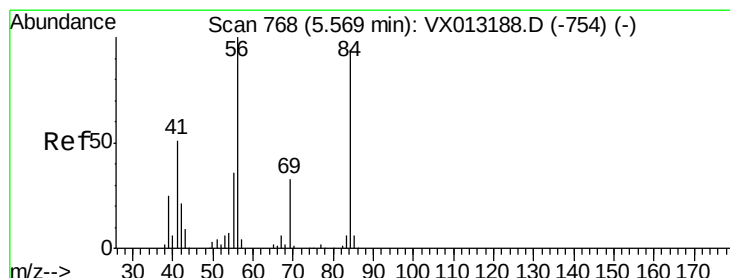
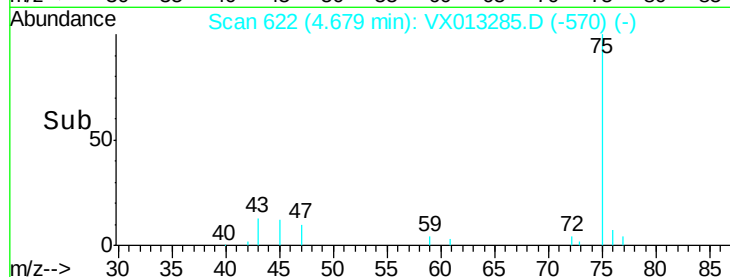
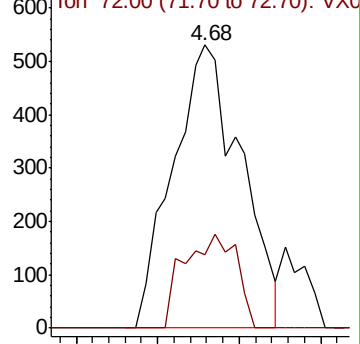
Ion Ratio Lower Upper

43 100

72 26.0 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VX0



#31

Cyclohexane

Concen: 0.719 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX013285.D

Acq: 30 Oct 2019 14:49

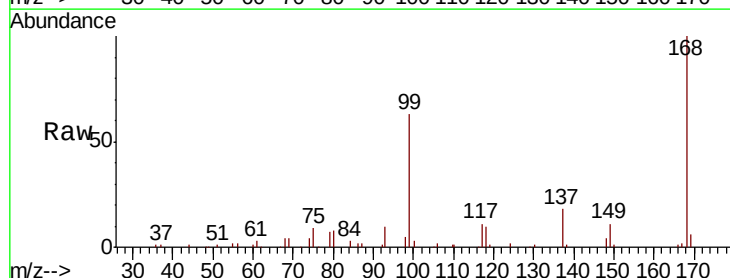
Tgt Ion: 56 Resp: 1339

Ion Ratio Lower Upper

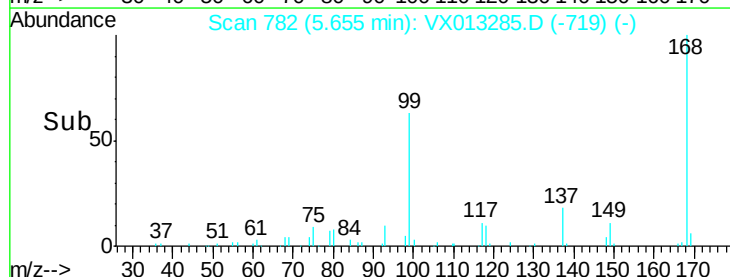
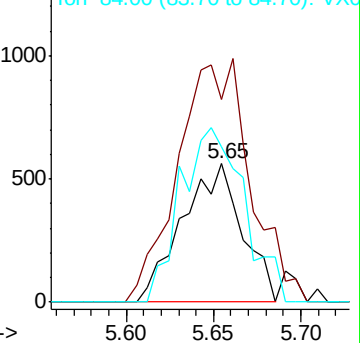
56 100

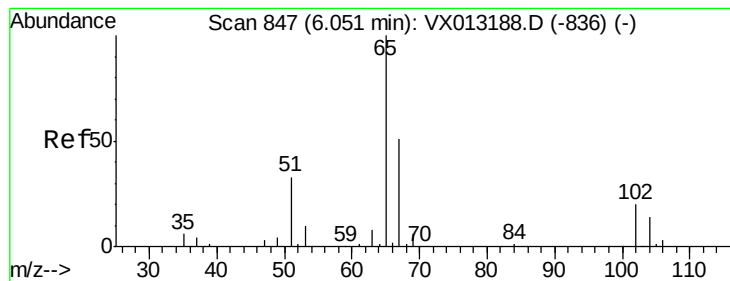
69 146.6 26.3 39.5#

84 112.5 73.8 110.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 56.686 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013285.D

Acq: 30 Oct 2019 14:49

Instrument :

MSVOA_X

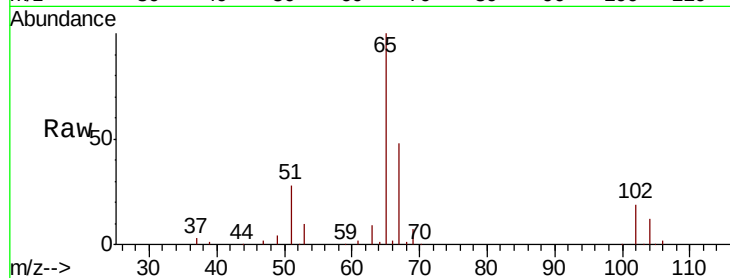
ClientSampleId :

Tot Ion: 65 Resp: 81618

Ion Ratio Lower Upper

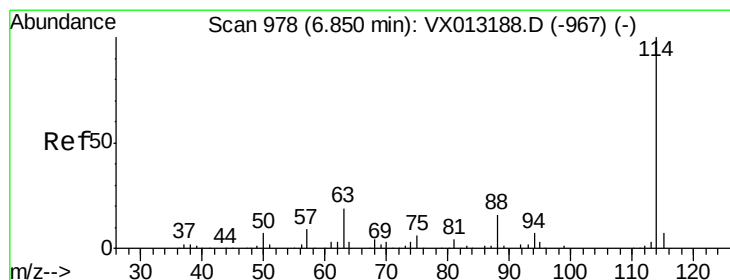
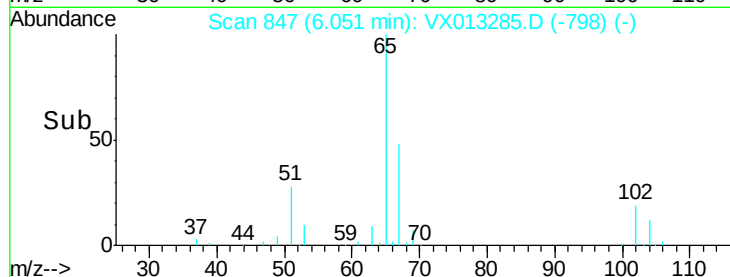
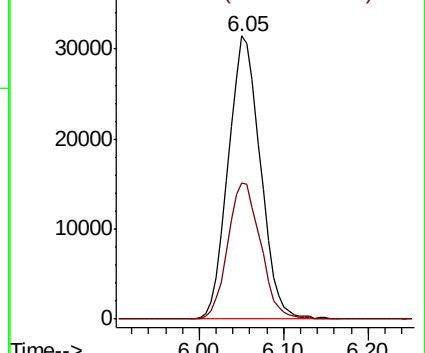
65 100

67 49.0 0.0 102.6



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013285.D

Acq: 30 Oct 2019 14:49

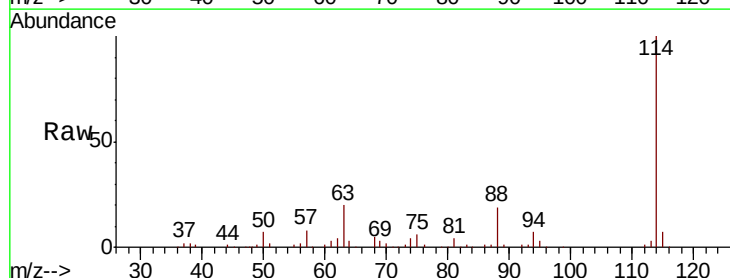
Tgt Ion: 114 Resp: 102502

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

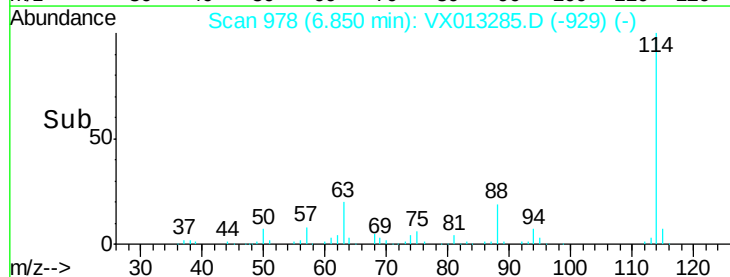
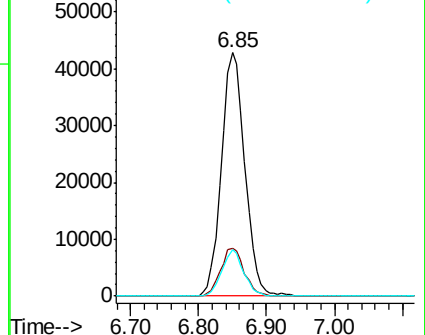
88 18.9 0.0 32.0

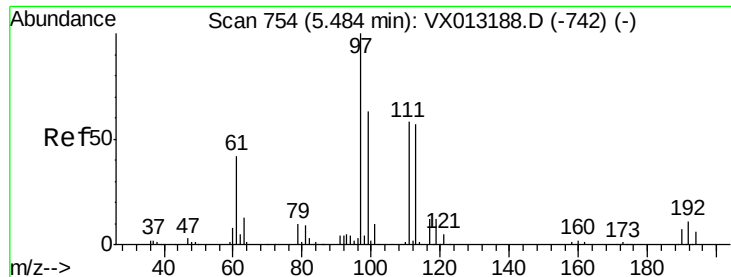


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

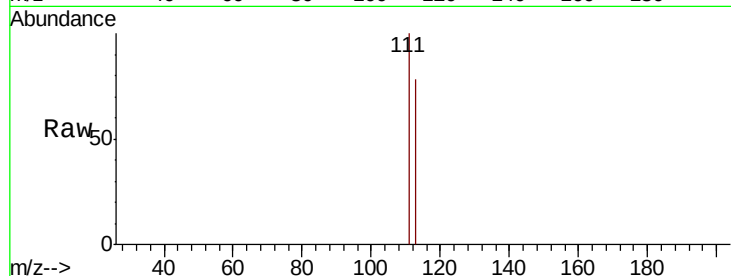




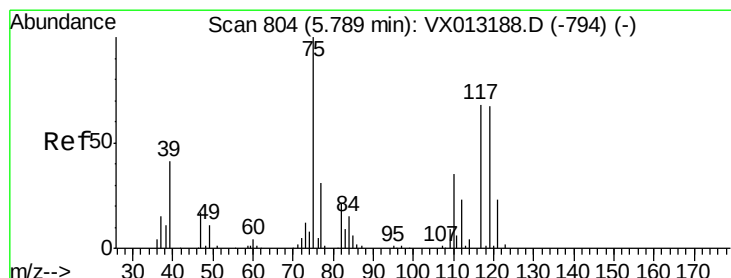
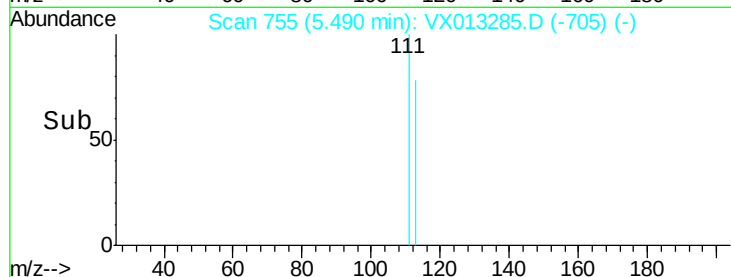
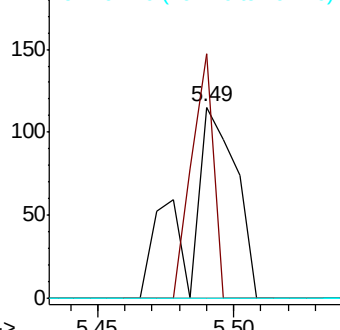
#35
 Dibromofluoromethane
 Concen: 0.127 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013285.D
 Acq: 30 Oct 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	56.6	80.3	120.5#
192	0.0	15.9	23.9#

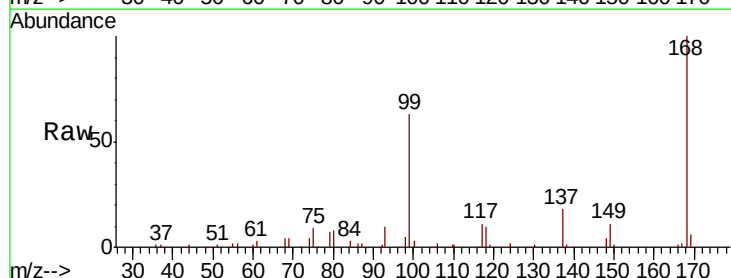


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

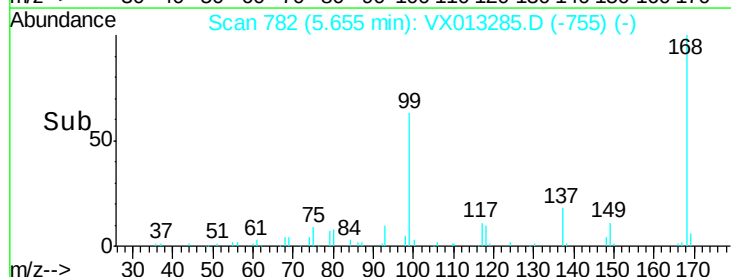
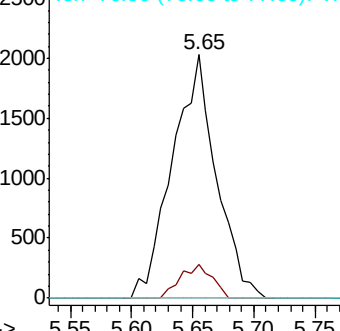


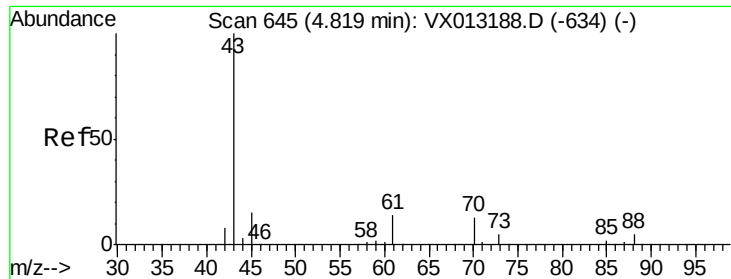
#36
 1,1-Dichloropropene
 Concen: 2.888 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013285.D
 Acq: 30 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.6	52.9#
77	0.0	24.7	37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

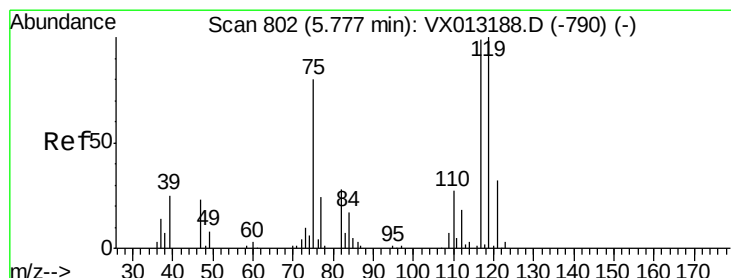
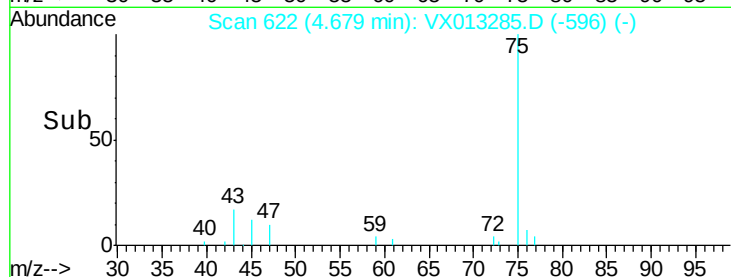
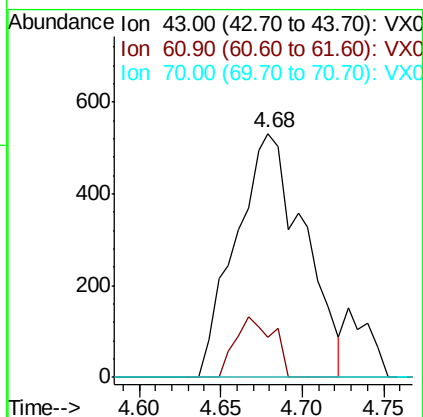
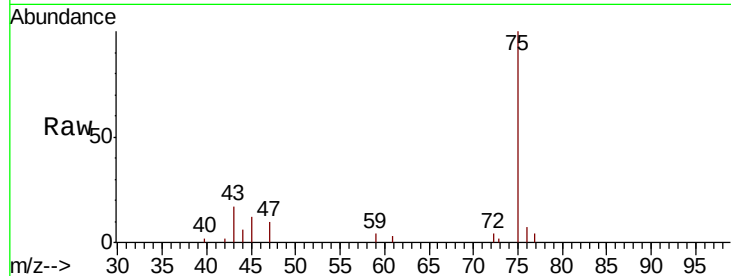




#37
Ethyl Acetate
Concen: 0.904 ug/l
RT: 4.68 min Scan# 622
Delta R.T. -0.14 min
Lab File: VX013285.D
Acq: 30 Oct 2019 14:49

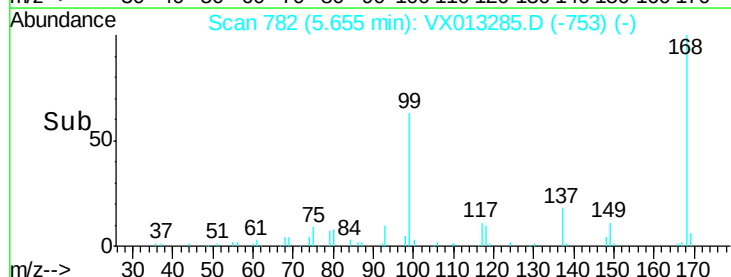
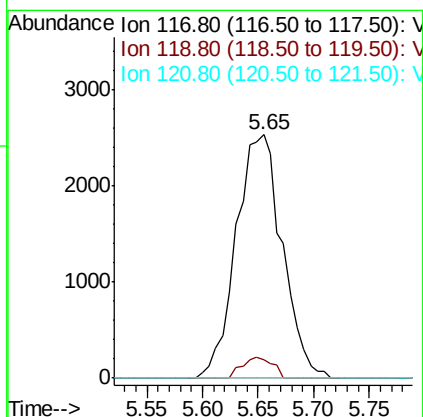
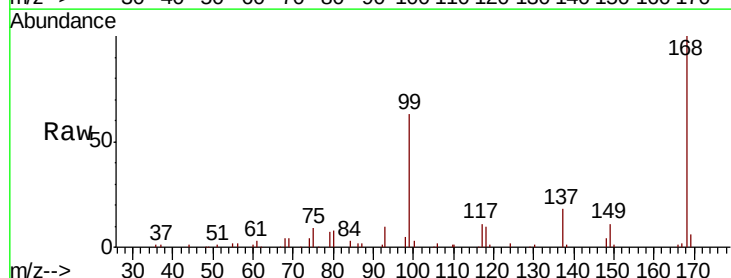
Instrument :
MSVOA_X
ClientSampleId :

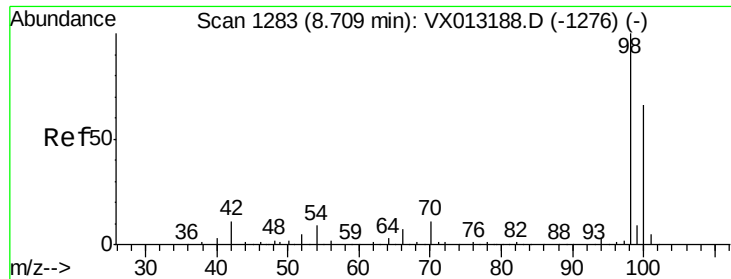
Tot Ion: 43 Resp: 1544
Ion Ratio Lower Upper
43 100
61 13.8 12.1 18.1
70 0.0 10.4 15.6#



#38
Carbon Tetrachloride
Concen: 3.845 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013285.D
Acq: 30 Oct 2019 14:49

Tgt Ion: 117 Resp: 7284
Ion Ratio Lower Upper
117 100
119 7.5 80.1 120.1#
121 0.0 25.5 38.3#

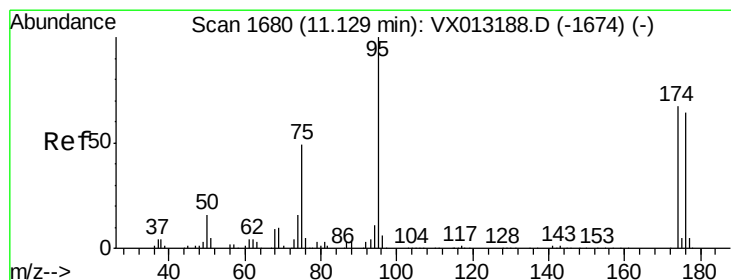
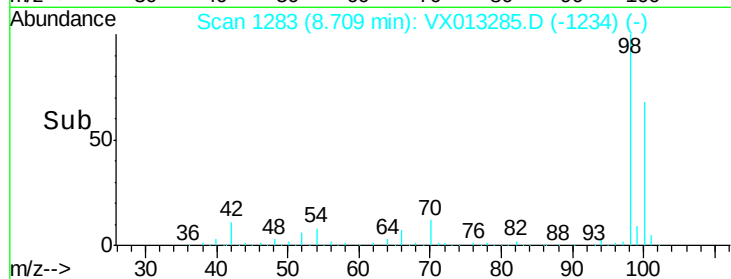
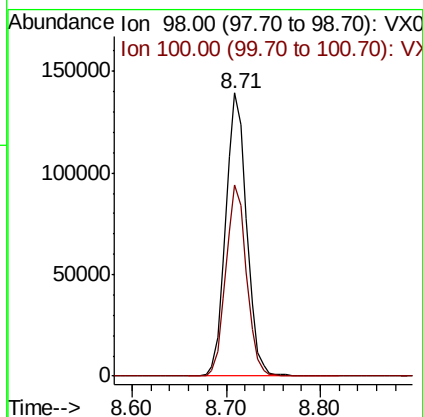
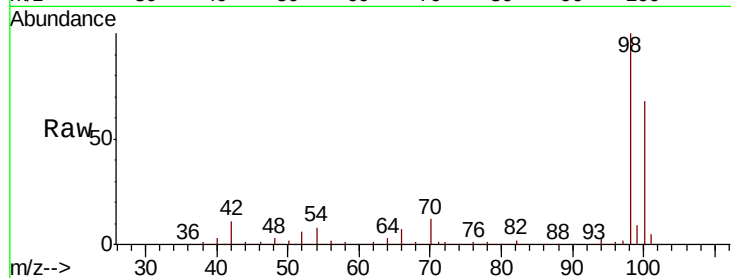




#50
Toluene-d8
Concen: 50.609 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013285.D
Acq: 30 Oct 2019 14:49

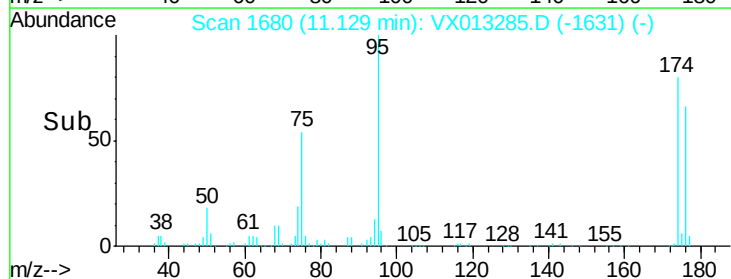
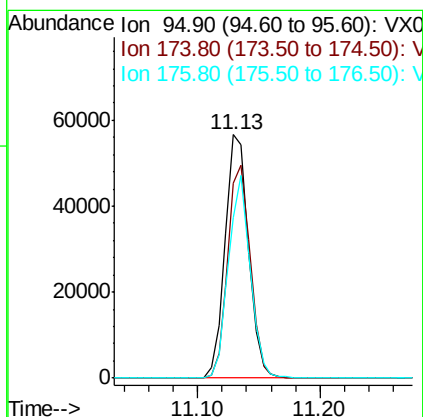
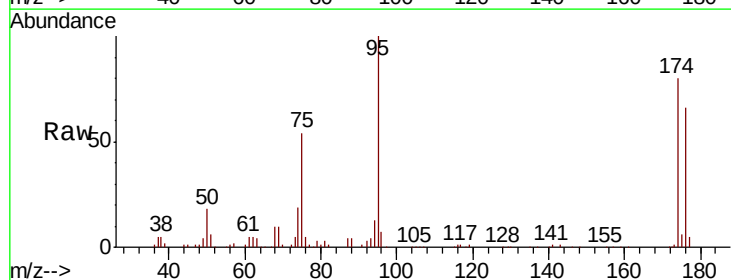
Instrument :
MSVOA_X
ClientSampleId :

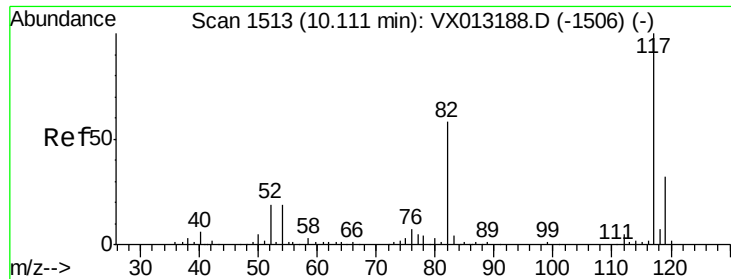
Tot Ion: 98 Resp: 214379
Ion Ratio Lower Upper
98 100
100 67.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.625 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013285.D
Acq: 30 Oct 2019 14:49

Tgt Ion: 95 Resp: 74819
Ion Ratio Lower Upper
95 100
174 84.7 0.0 152.4
176 77.2 0.0 146.0

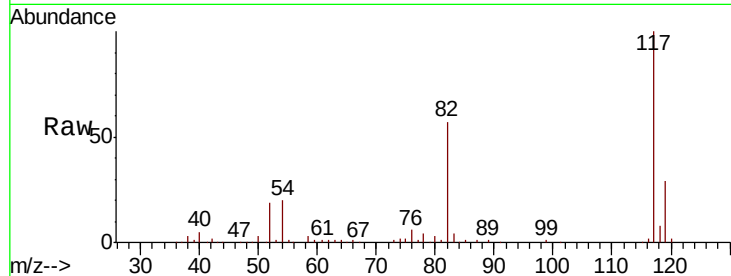




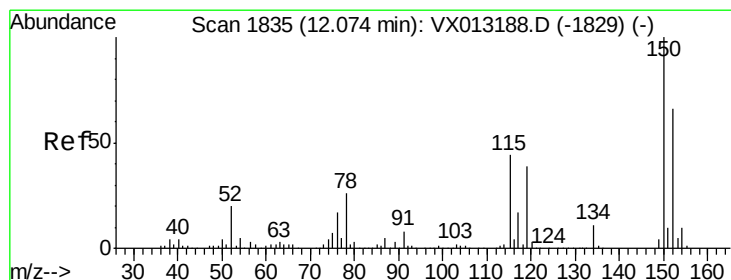
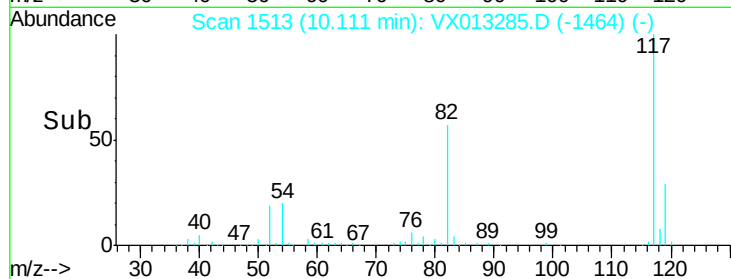
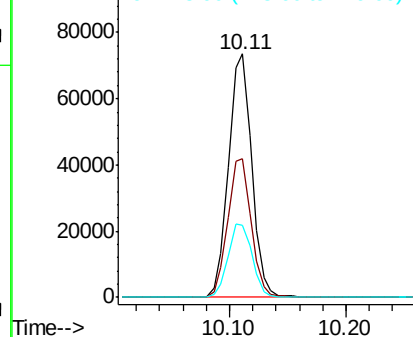
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013285.D
Acq: 30 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 101899
Ion Ratio Lower Upper
117 100
82 56.7 46.5 69.7
119 29.4 25.2 37.8

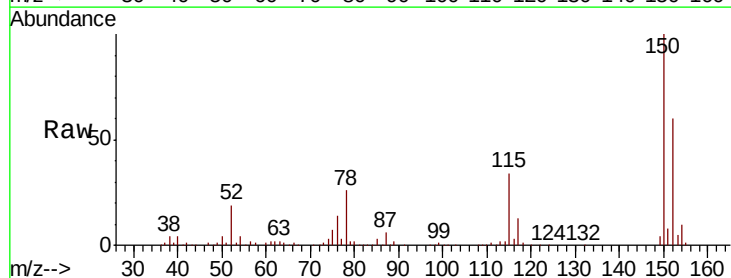


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

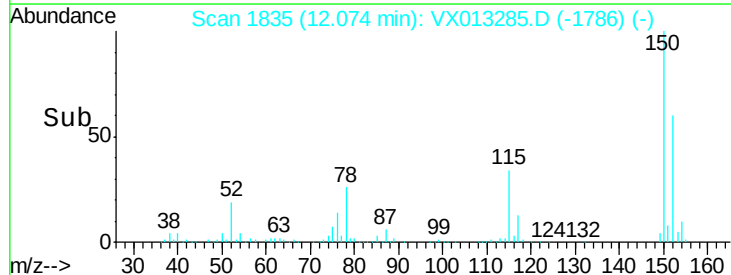
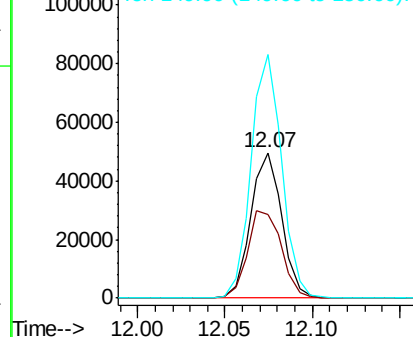


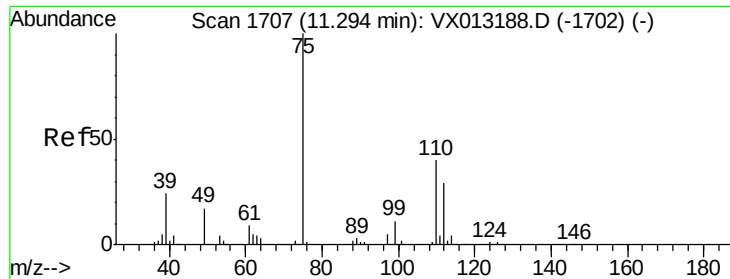
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013285.D
Acq: 30 Oct 2019 14:49

Tgt Ion:152 Resp: 61217
Ion Ratio Lower Upper
152 100
115 65.7 46.6 139.8
150 165.1 0.0 354.0



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: 26.478 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013285.D

Acq: 30 Oct 2019 14:49

Instrument :

MSVOA_X

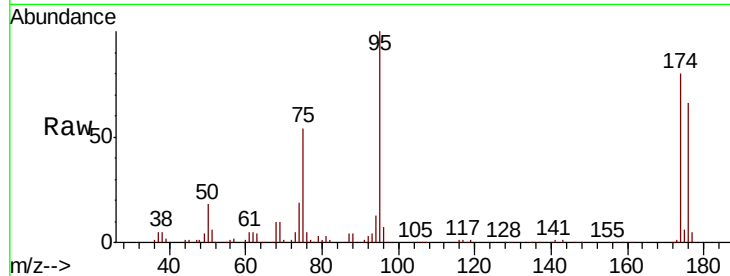
ClientSampleId :

Tot Ion: 75 Resp: 39066

Ion Ratio Lower Upper

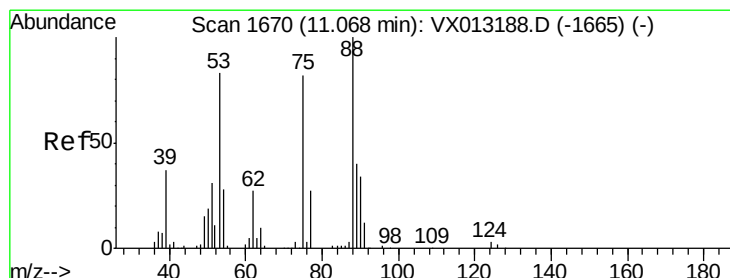
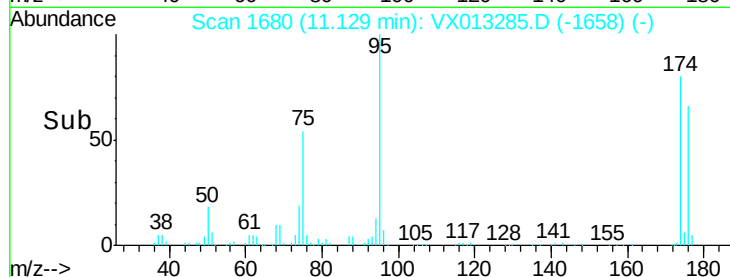
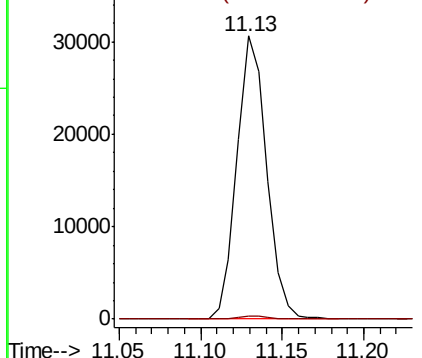
75 100

77 1.2 19.1 57.5#



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: 72.759 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013285.D

Acq: 30 Oct 2019 14:49

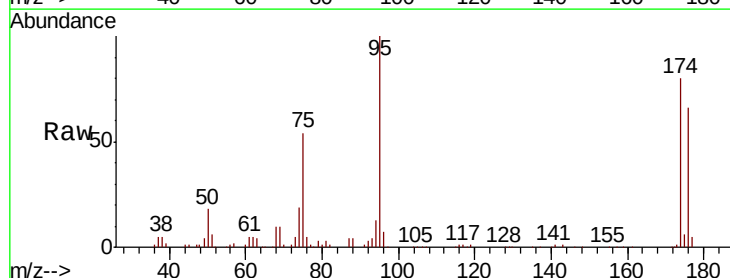
Tgt Ion: 75 Resp: 39066

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 37.3 55.9#



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

