

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010820\
 Data File : VX0144464.D
 Acq On : 08 Jan 2020 12:28
 Operator : JC/SP
 Sample : L1055-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 12:57:31 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	543177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	828534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	752257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	352217	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	294445	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	5.49	113	245317	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	8.71	98	983148	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.13	95	334345	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	

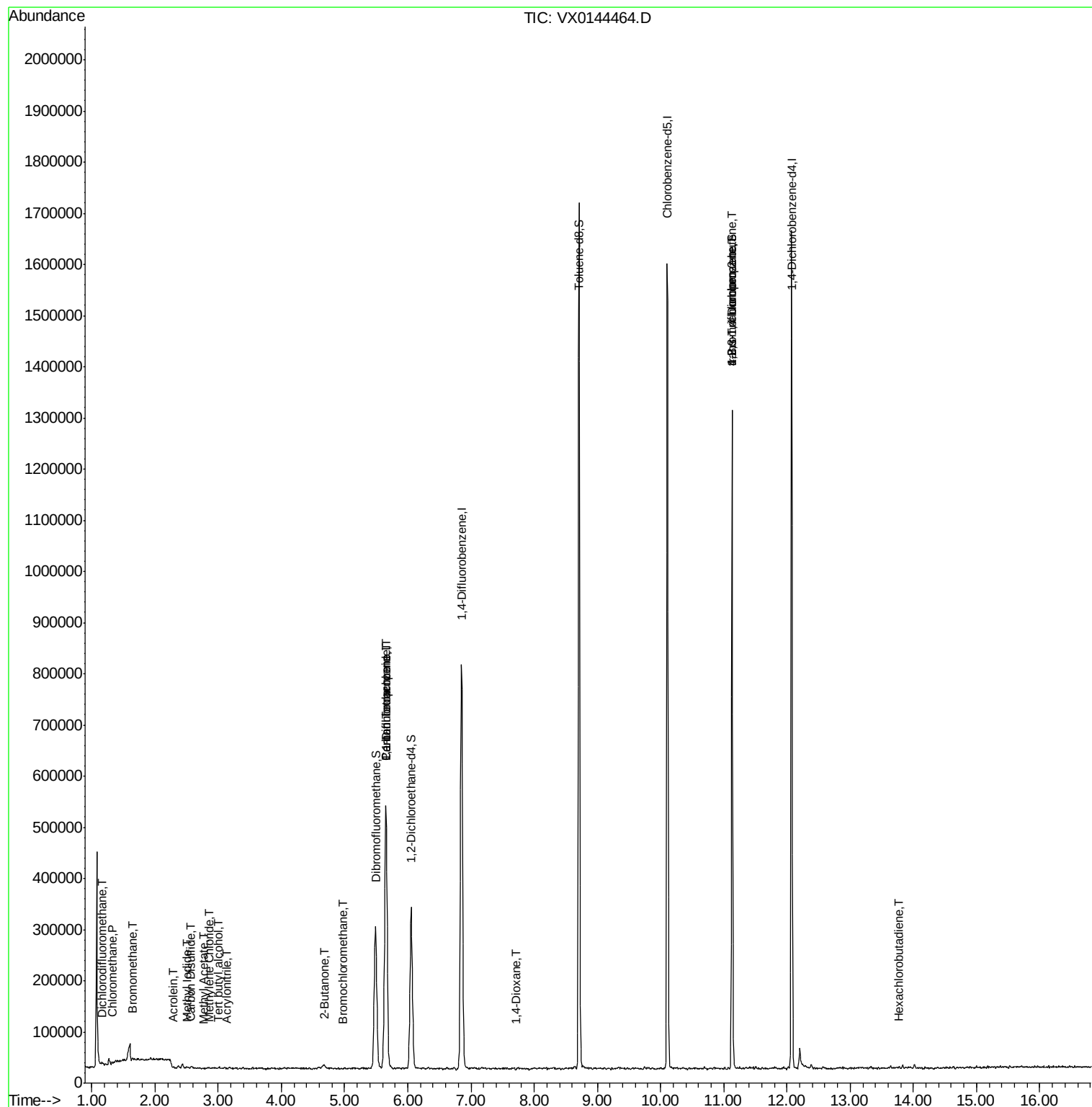
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	67	0.262	ug/l #	34
3) Chloromethane	1.32	50	1594	0.230	ug/l #	73
5) Bromomethane	1.64	94	2443	0.478	ug/l	85
6) Chloroethane	1.72	64	1073	Below Cal	#	43
10) Methyl Iodide	2.50	142	3763	0.590	ug/l #	88
11) Tert butyl alcohol	3.00	59	580	0.458	ug/l #	27
13) Acrolein	2.30	56	468	0.461	ug/l #	15
15) Acrylonitrile	3.14	53	795	0.260	ug/l #	26
16) Acetone	2.44	43	8200	Below Cal		95
17) Carbon Disulfide	2.56	76	3661	0.245	ug/l	96
18) Methyl Acetate	2.76	43	1793	0.206	ug/l #	58
20) Methylene Chloride	2.86	84	1567	0.257	ug/l #	89
25) 2-Butanone	4.67	43	3366	0.743	ug/l #	59
28) Bromochloromethane	4.98	49	970	0.232	ug/l #	10
36) 1,1-Dichloropropene	5.65	75	37997	4.877	ug/l #	52
38) Carbon Tetrachloride	5.65	117	48176	6.719	ug/l #	18
49) 1,4-Dioxane	7.72	88	73	0.526	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	168283	23.092	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	168283	61.051	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	1818	Below Cal	#	1
94) Hexachlorobutadiene	13.78	225	660	0.228	ug/l #	53
96) 1,2,3-Trichlorobenzene	14.02	180	1940	Below Cal	#	84

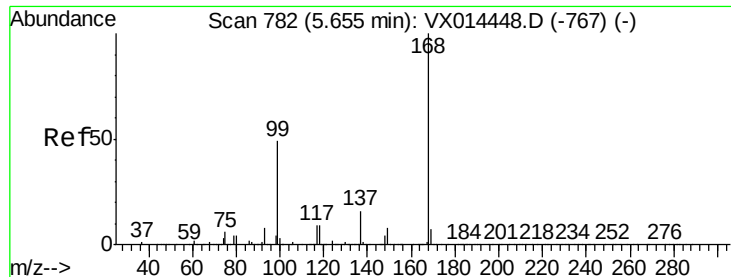
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010820\
Data File : VX0144464.D
Acq On : 08 Jan 2020 12:28
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Sample : L1055-01
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 08 12:57:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :

MSVOA_X

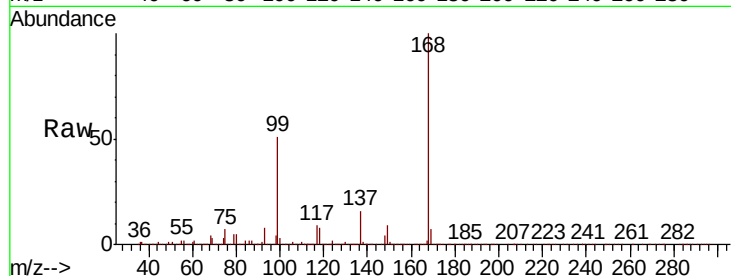
ClientSampled :

Tot Ion:168 Resp: 543177

Ion Ratio Lower Upper

168 100

99 51.0 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

200000

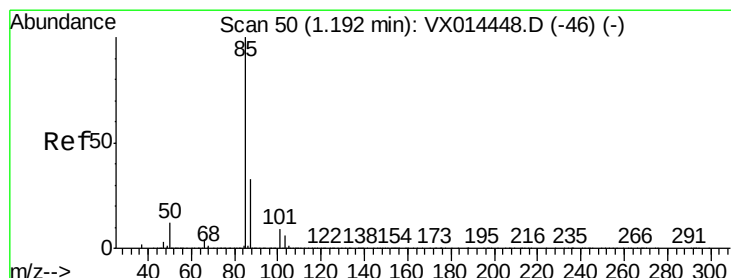
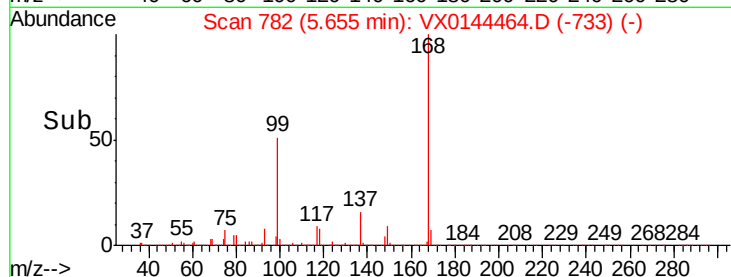
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.262 ug/l

RT: 1.17 min Scan# 46

Delta R.T. -0.02 min

Lab File: VX0144464.D

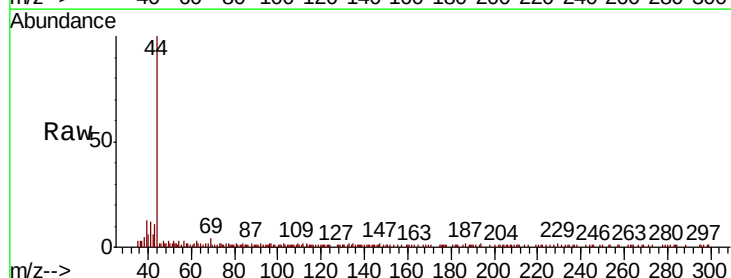
Acq: 08 Jan 2020 12:28

Tgt Ion: 85 Resp: 67

Ion Ratio Lower Upper

85 100

87 70.4 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.17

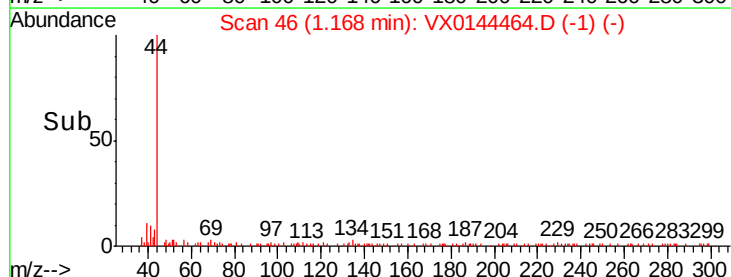
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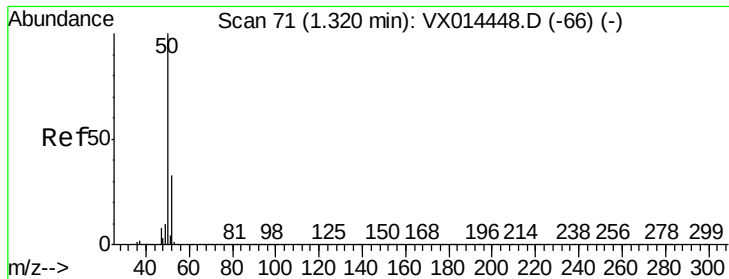
200

100

0

Time-->





#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :

MSVOA_X

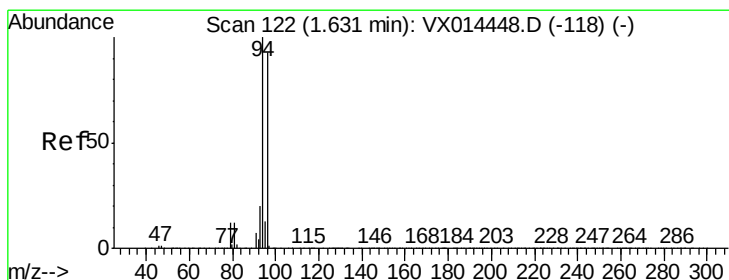
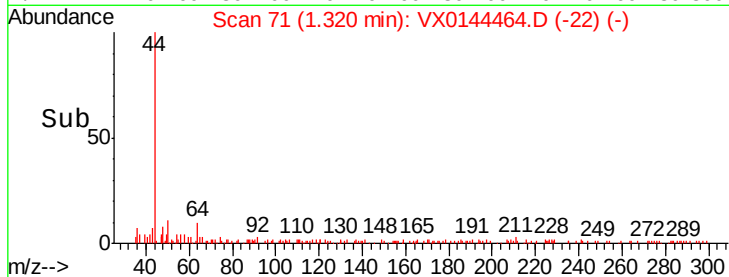
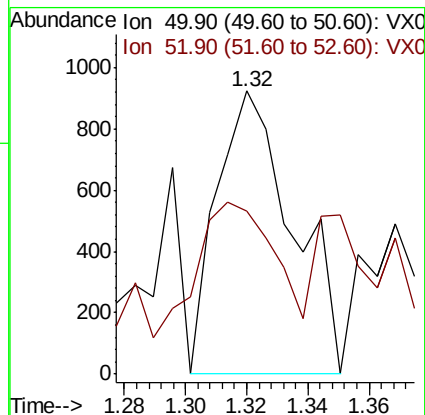
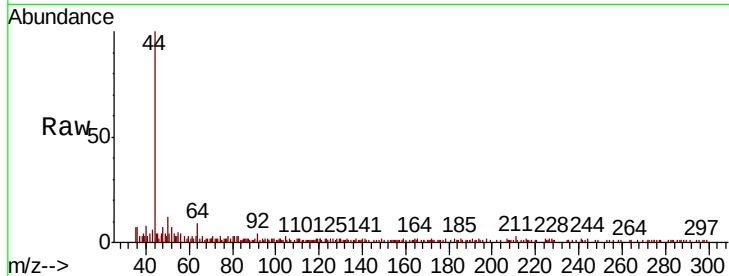
ClientSampled :

Tot Ion: 50 Resp: 1594

Ion Ratio Lower Upper

50 100

52 47.8 26.1 39.1#



#5

Bromomethane

Concen: 0.478 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX0144464.D

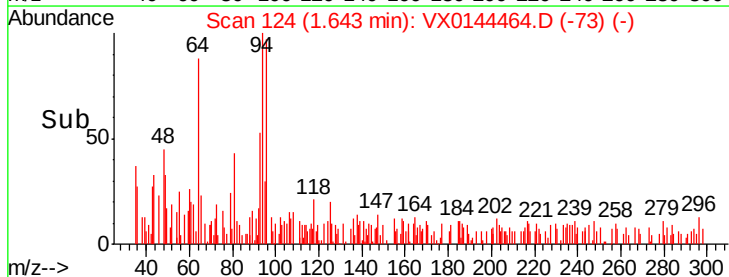
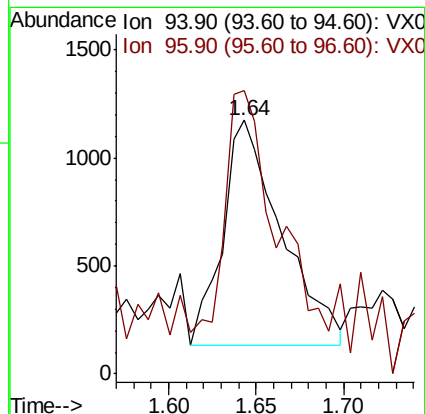
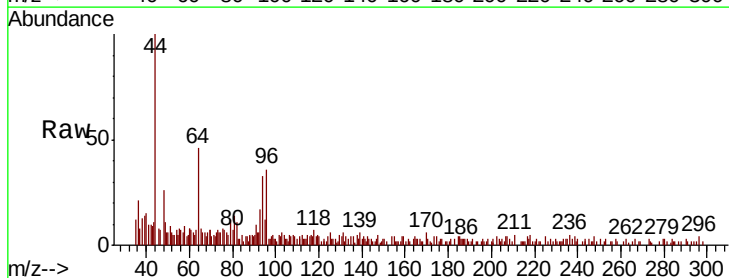
Acq: 08 Jan 2020 12:28

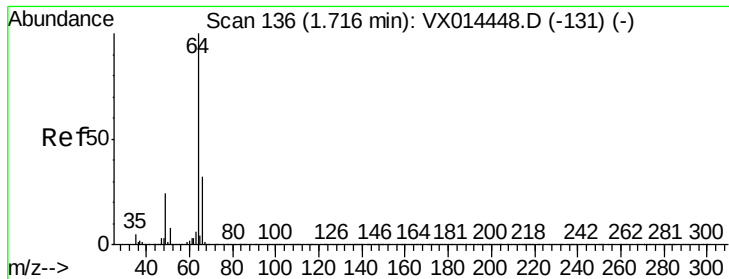
Tgt Ion: 94 Resp: 2443

Ion Ratio Lower Upper

94 100

96 107.5 74.2 111.2





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :

MSVOA_X

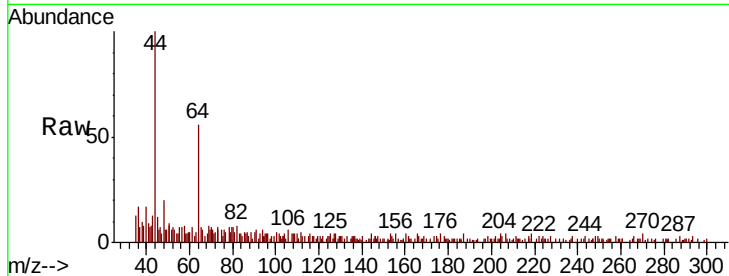
ClientSampled :

Tot Ion: 64 Resp: 1073

Ion Ratio Lower Upper

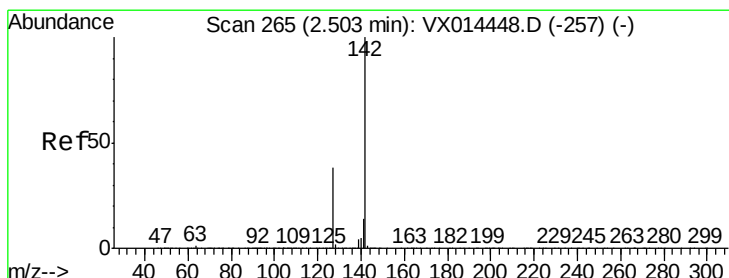
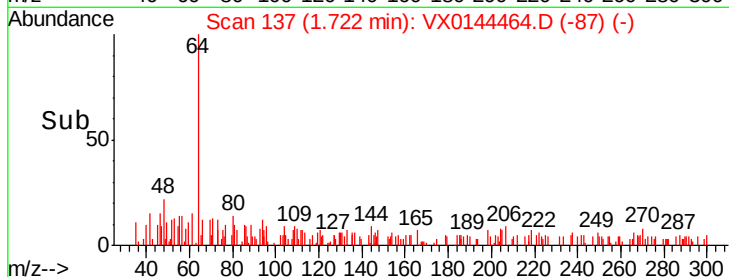
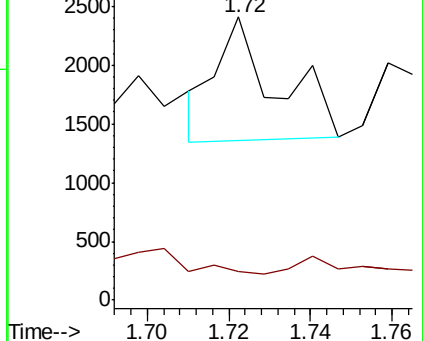
64 100

66 0.2 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.590 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

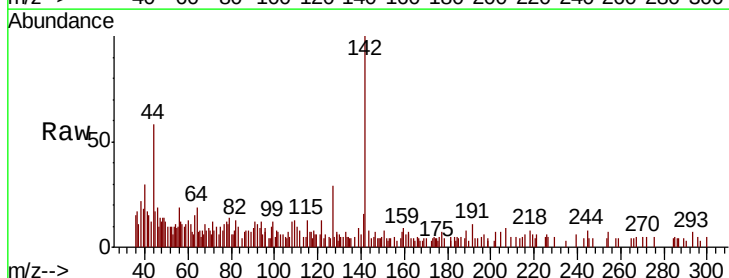
Tgt Ion: 142 Resp: 3763

Ion Ratio Lower Upper

142 100

127 46.1 31.2 46.8

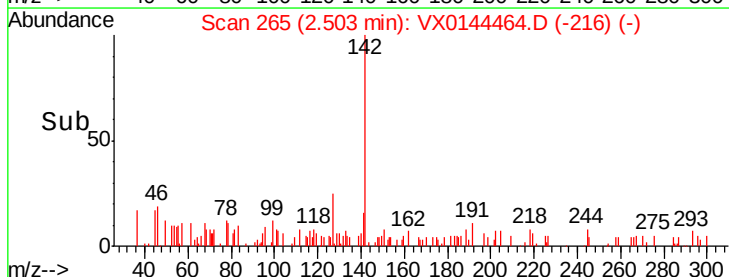
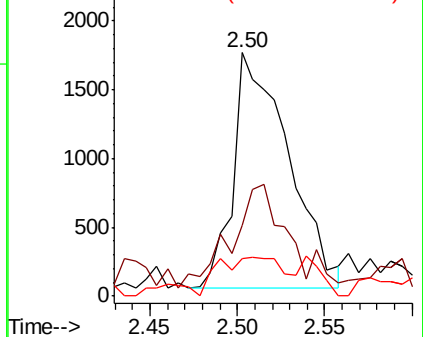
141 20.0 11.4 17.2#

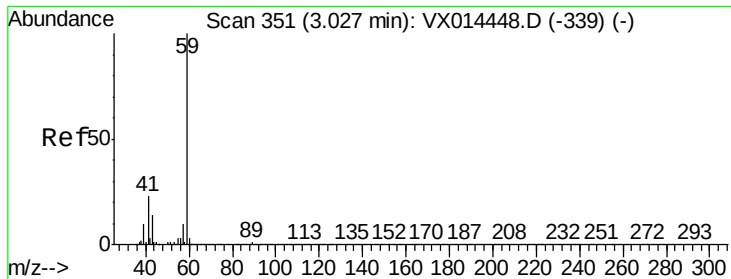


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



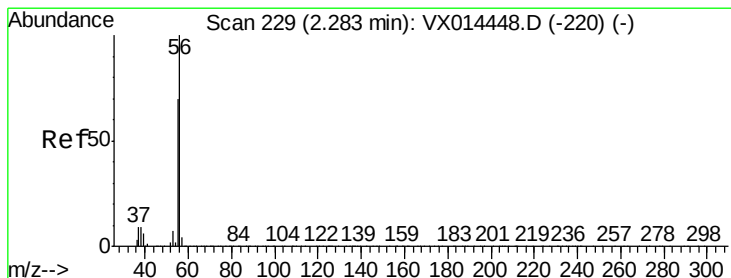
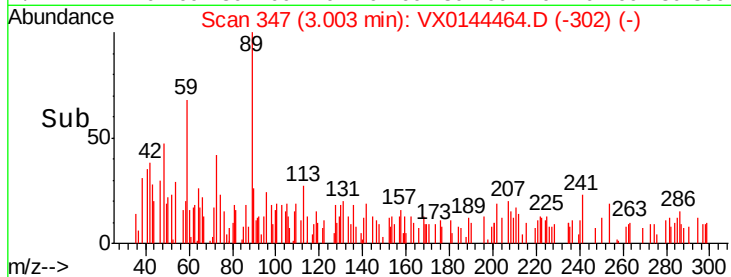
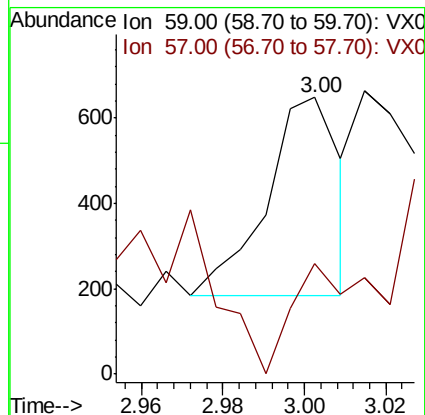
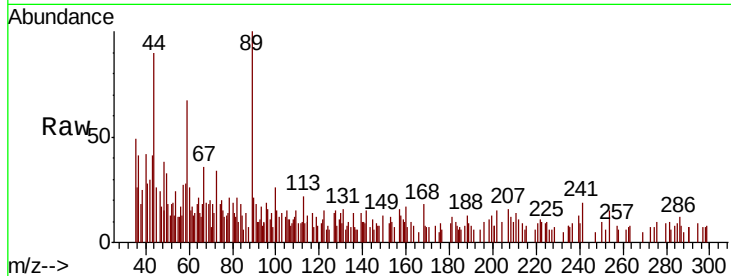


#11

Tert butyl alcohol
Concen: 0.458 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX0144464.D
Acq: 08 Jan 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :

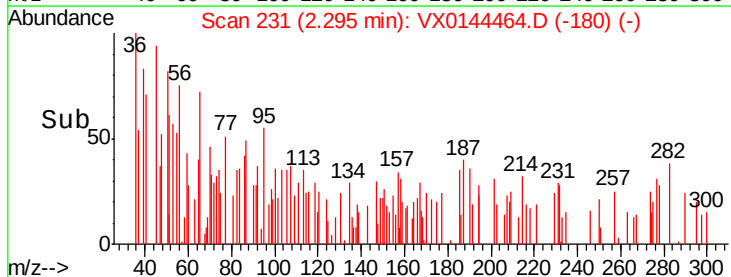
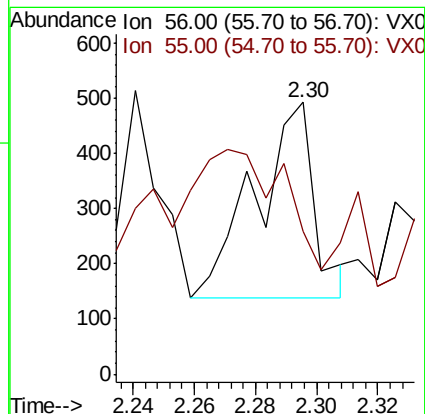
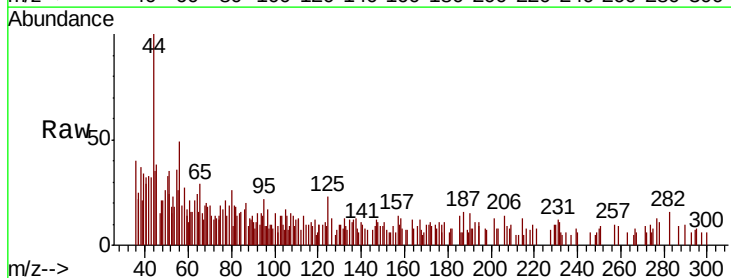
Tot Ion: 59 Resp: 580
Ion Ratio Lower Upper
59 100
57 37.9 8.5 12.7#

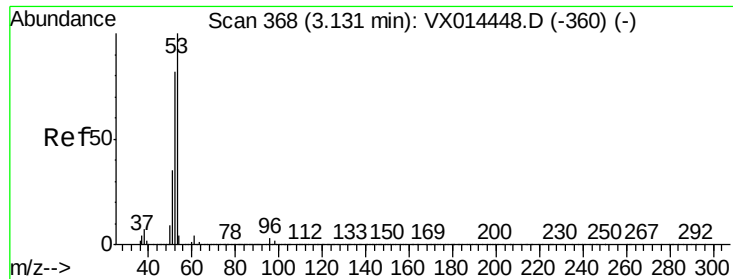


#13

Acrolein
Concen: 0.461 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX0144464.D
Acq: 08 Jan 2020 12:28

Tgt Ion: 56 Resp: 468
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#

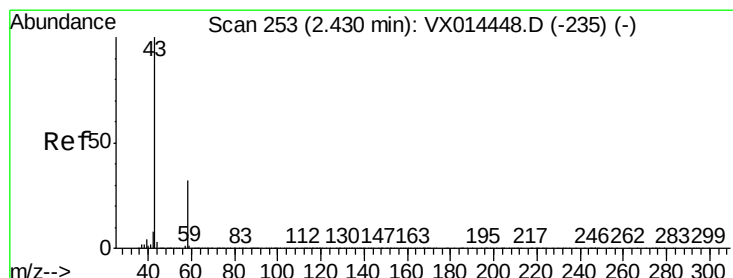
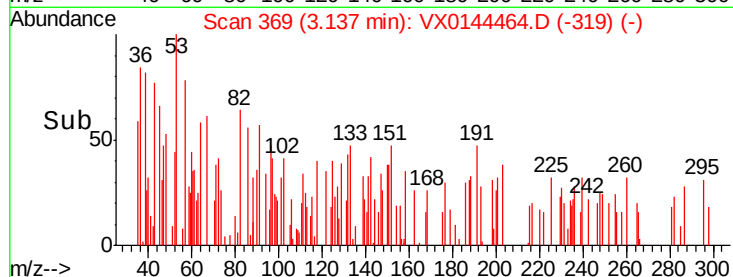
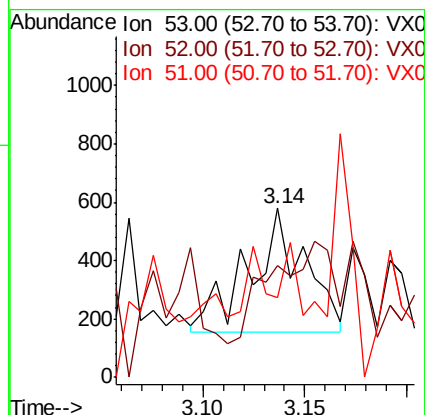
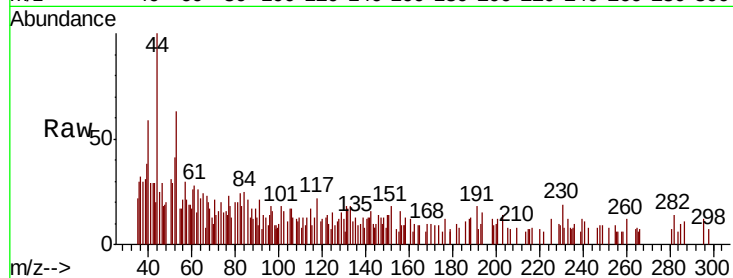




#15
Acrylonitrile
Concen: 0.260 ug/l
RT: 3.14 min Scan# 369
Delta R.T. 0.01 min
Lab File: VX0144464.D
Acq: 08 Jan 2020 12:28

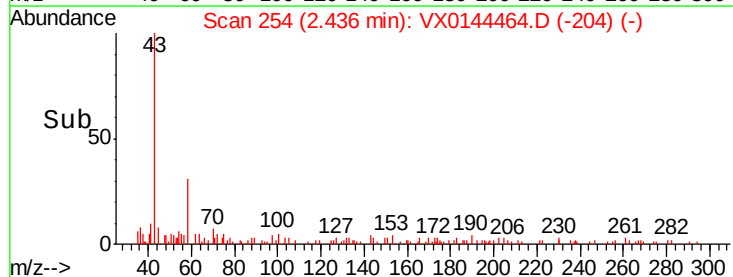
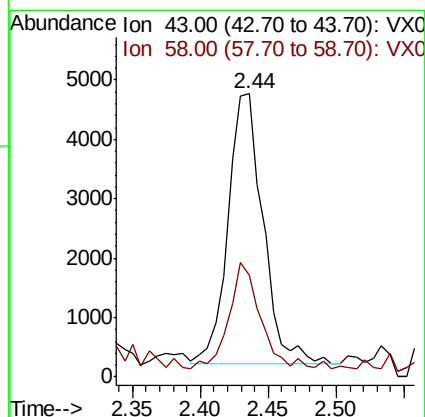
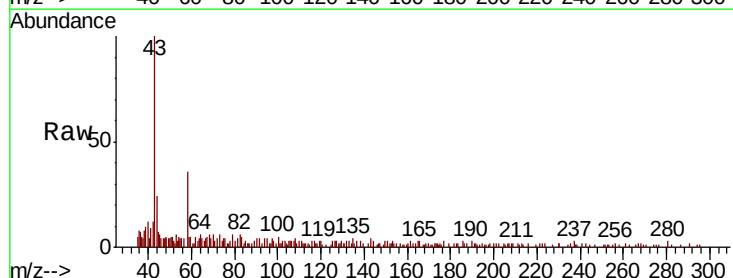
Instrument :
MSVOA_X
ClientSampled :

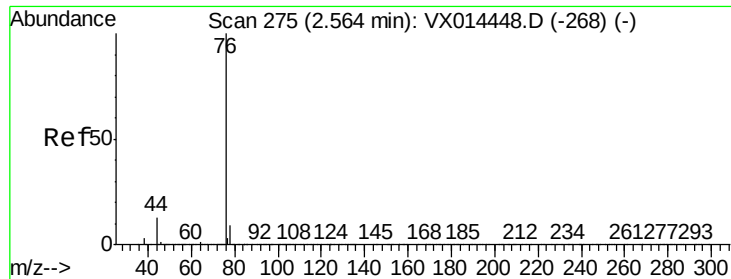
Tot Ion: 53 Resp: 795
Ion Ratio Lower Upper
53 100
52 0.0 67.0 100.4#
51 18.5 28.5 42.7#



#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX0144464.D
Acq: 08 Jan 2020 12:28

Tgt Ion: 43 Resp: 8200
Ion Ratio Lower Upper
43 100
58 34.3 25.4 38.0





#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :

MSVOA_X

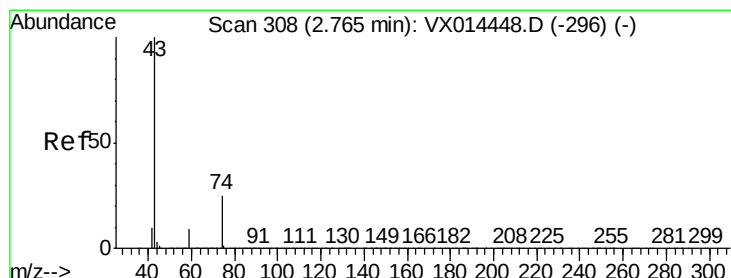
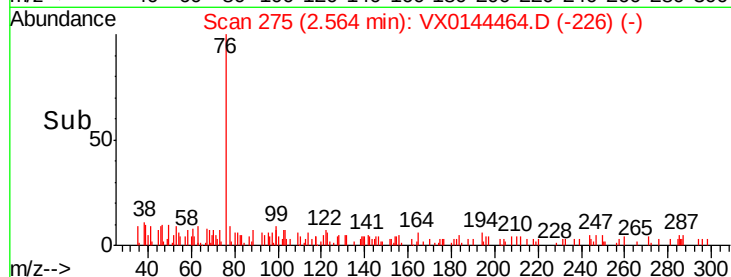
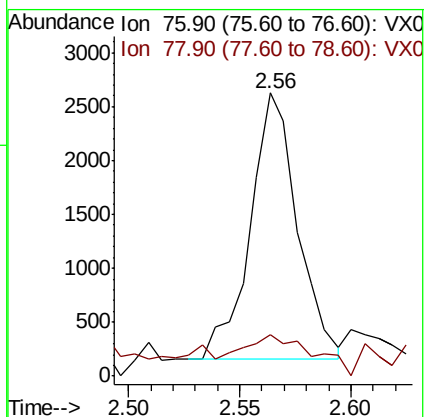
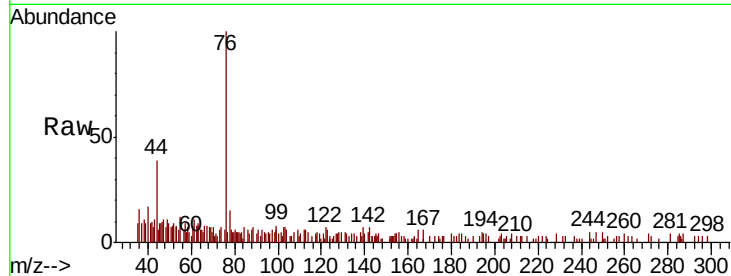
ClientSampleId :

Tot Ion: 76 Resp: 3661

Ion Ratio Lower Upper

76 100

78 7.7 7.4 11.2



#18

Methyl Acetate

Concen: 0.206 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX0144464.D

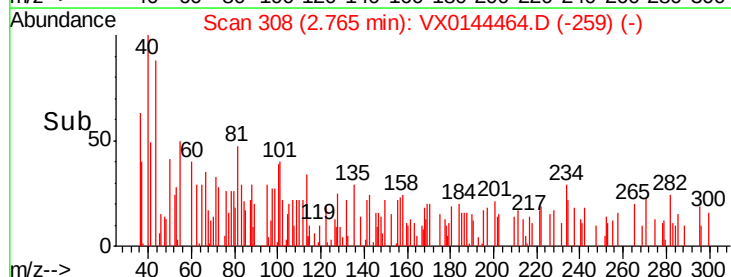
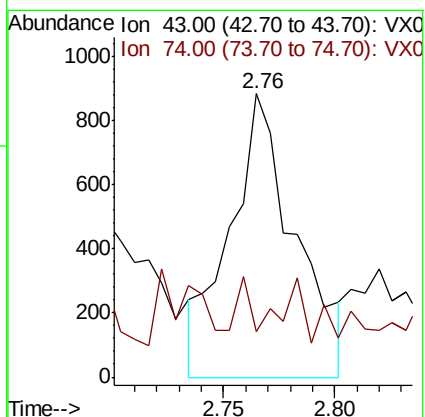
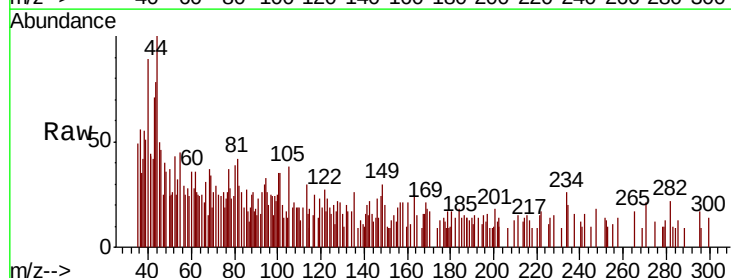
Acq: 08 Jan 2020 12:28

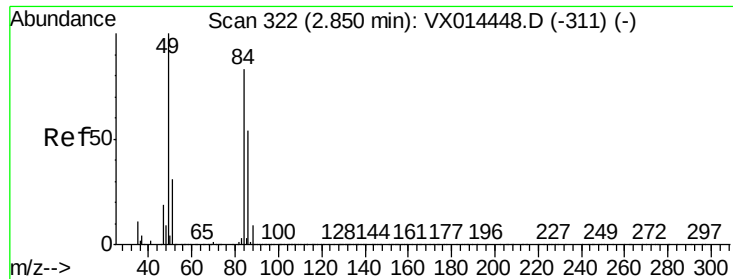
Tgt Ion: 43 Resp: 1793

Ion Ratio Lower Upper

43 100

74 3.6 19.4 29.2#

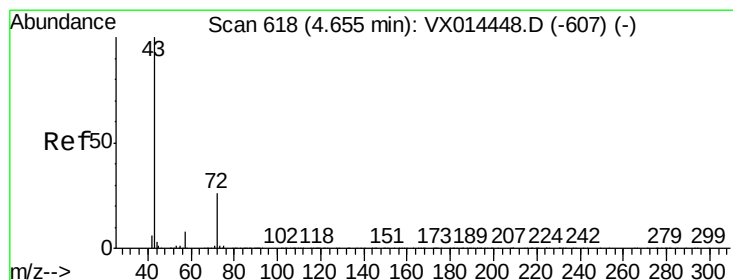
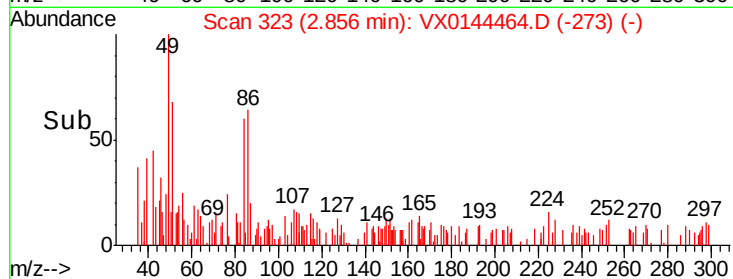
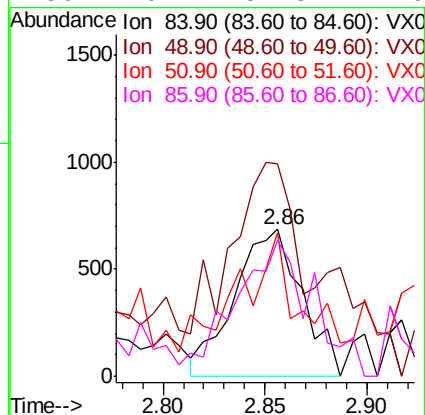
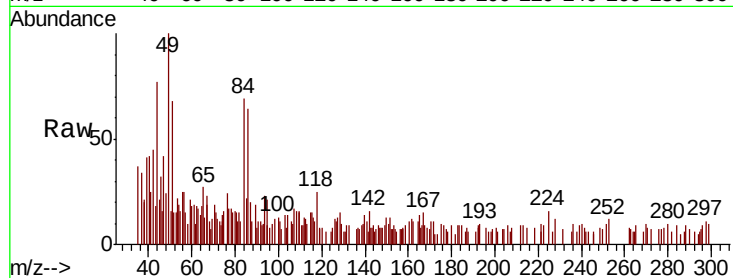




#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX0144464.D
Acq: 08 Jan 2020 12:28

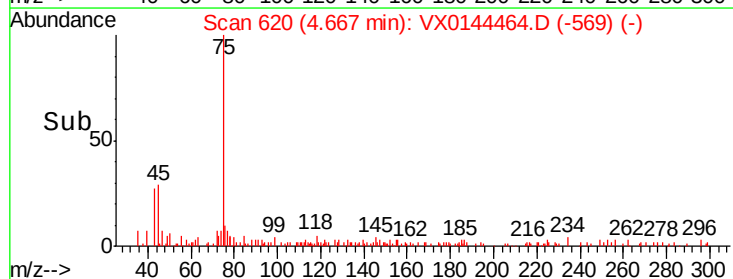
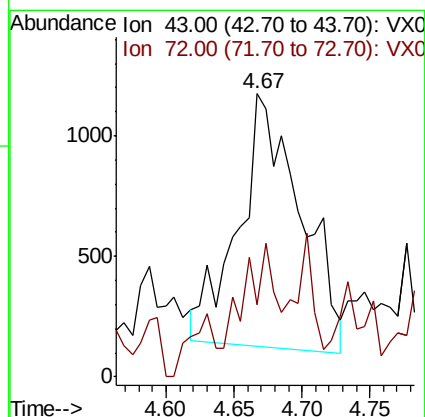
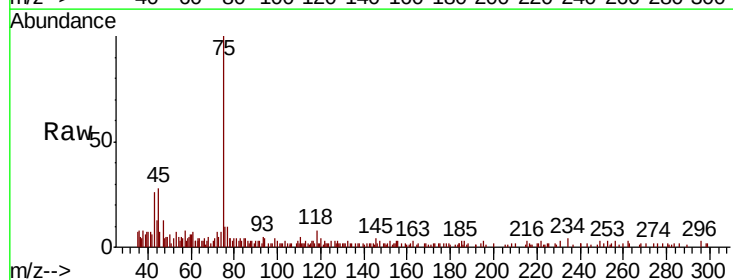
Instrument :
MSVOA_X
ClientSampled :

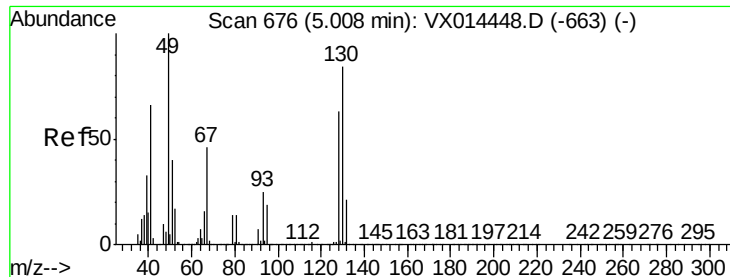
Tot Ion:	84	Resp:	1567
Ion	Ratio	Lower	Upper
84	100		
49	116.0	95.8	143.8
51	56.2	30.2	45.4#
86	76.7	51.8	77.6



#25
2-Butanone
Concen: 0.743 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX0144464.D
Acq: 08 Jan 2020 12:28

Tgt Ion:	43	Resp:	3366
Ion	Ratio	Lower	Upper
43	100		
72	5.1	20.6	31.0#





#28

Bromochloromethane

Concen: 0.232 ug/l

RT: 4.98 min Scan# 671

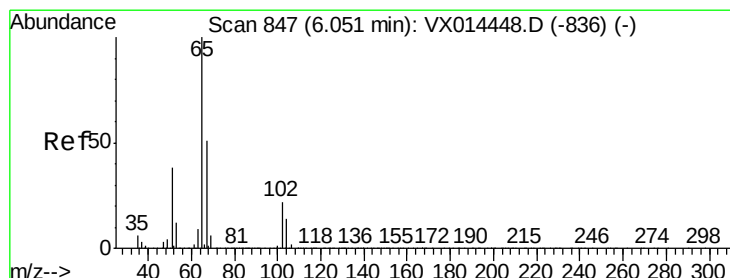
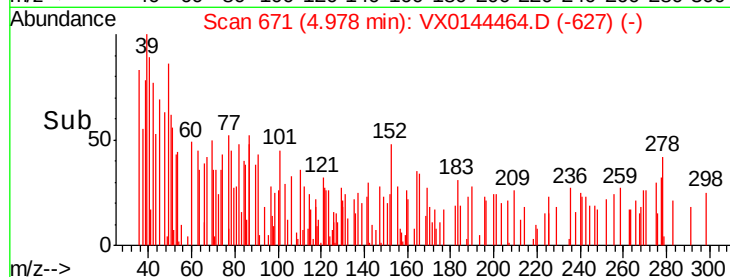
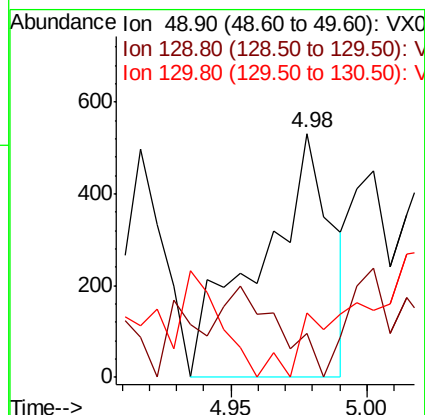
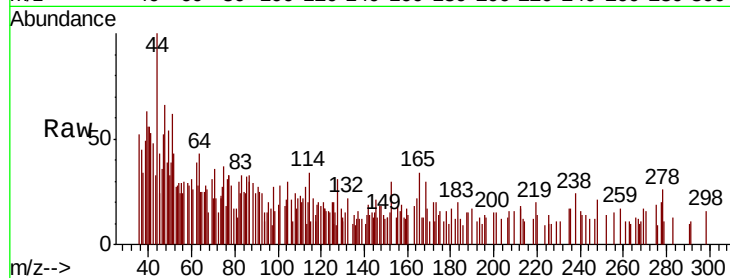
Delta R.T. -0.03 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 970
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 67.0 100.4#



#33

1,2-Dichloroethane-d4

Concen: 48.559 ug/l

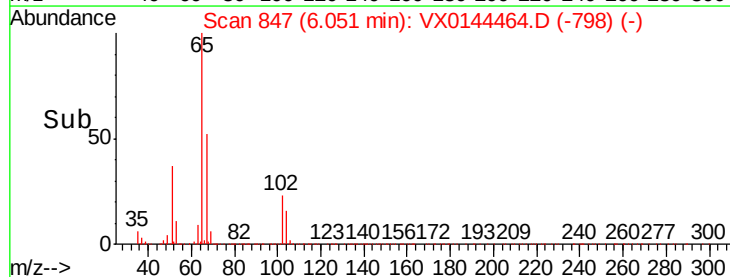
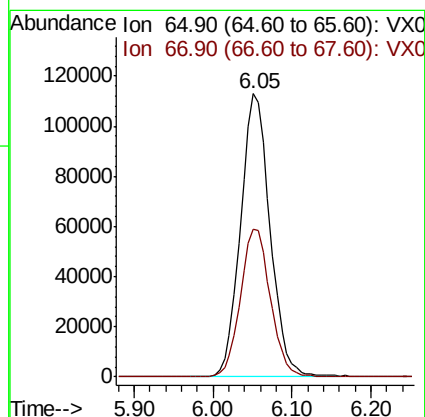
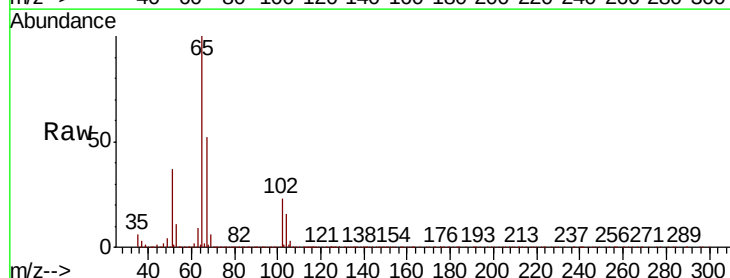
RT: 6.05 min Scan# 847

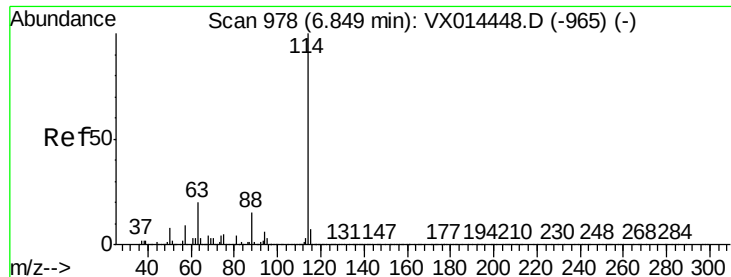
Delta R.T. -0.00 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Tgt Ion: 65 Resp: 294445
Ion Ratio Lower Upper
65 100
67 52.7 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: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

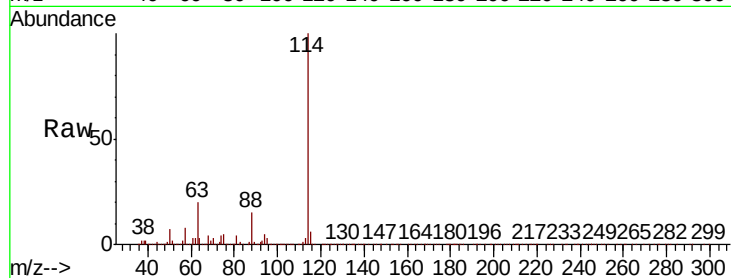
Tot Ion:114 Resp: 828534

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

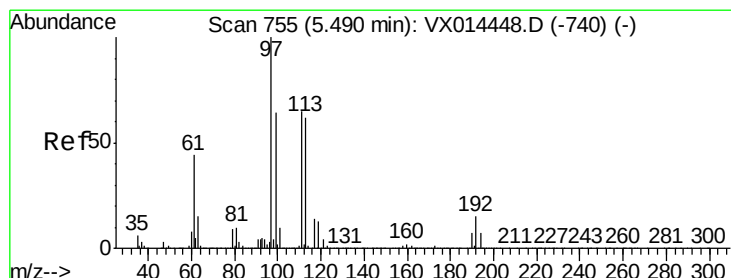
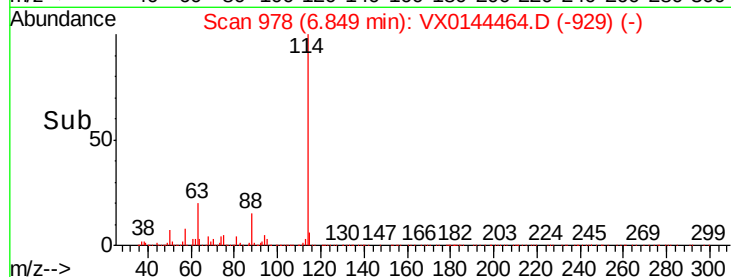
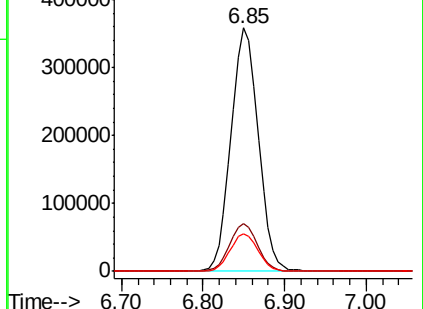
88 15.2 0.0 30.8



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: 48.912 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

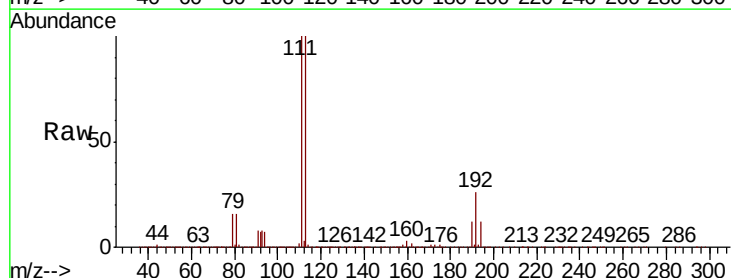
Tgt Ion:113 Resp: 245317

Ion Ratio Lower Upper

113 100

111 100.9 81.5 122.3

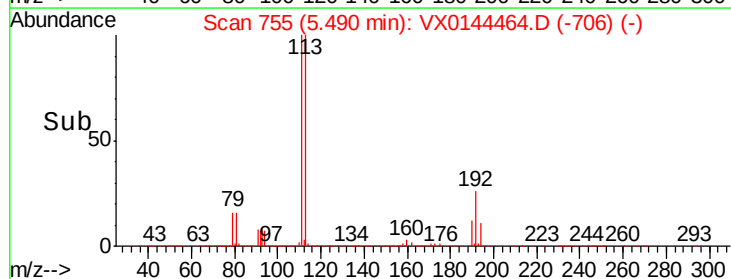
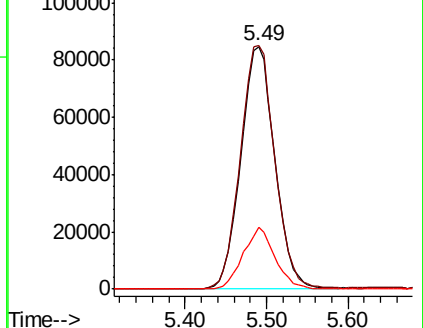
192 23.5 19.2 28.8

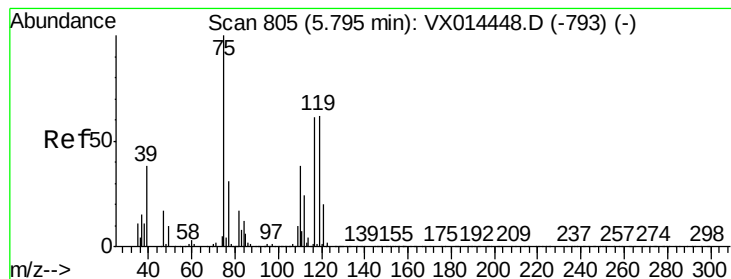


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

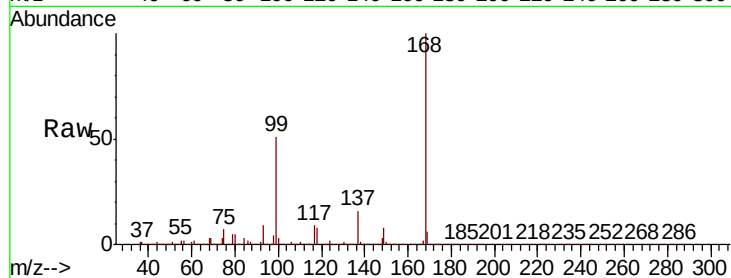
Tot Ion: 75 Resp: 37997

Ion Ratio Lower Upper

75 100

110 10.7 18.6 55.8#

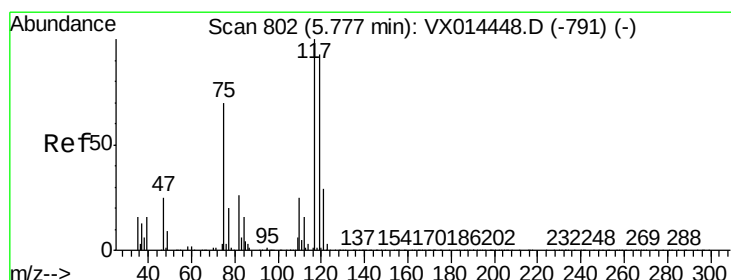
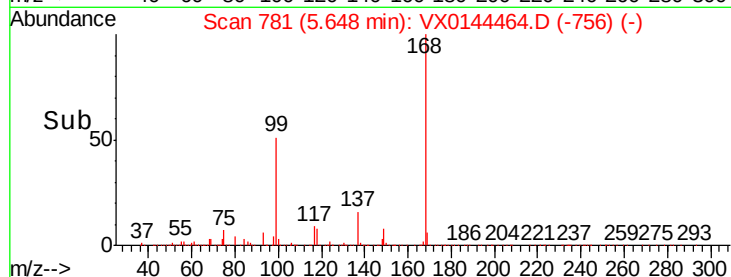
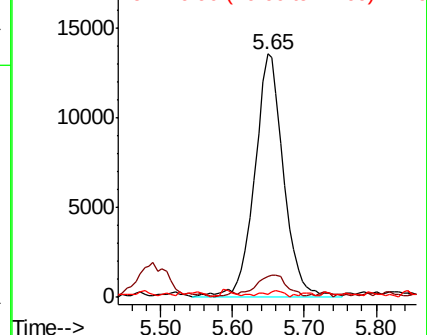
77 1.8 24.5 36.7#



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



#38

Carbon Tetrachloride

Concen: 6.719 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

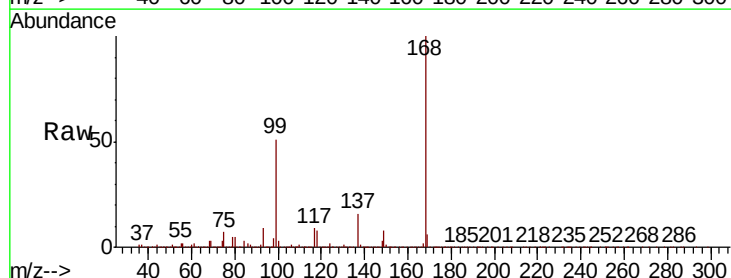
Tgt Ion: 117 Resp: 48176

Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

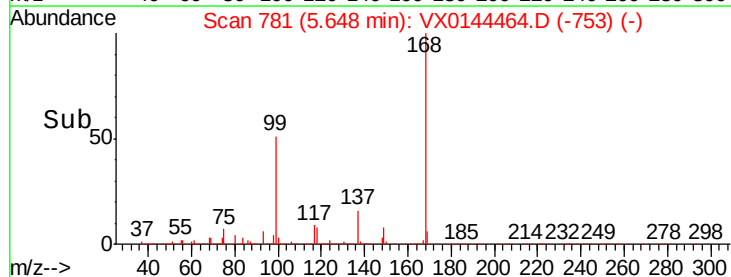
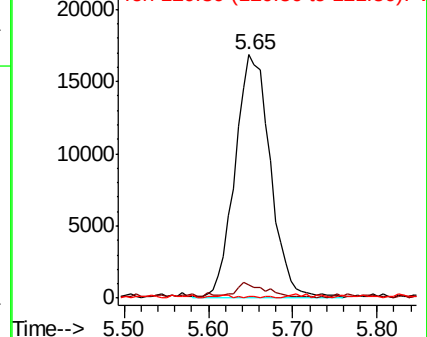
121 0.0 23.4 35.0#

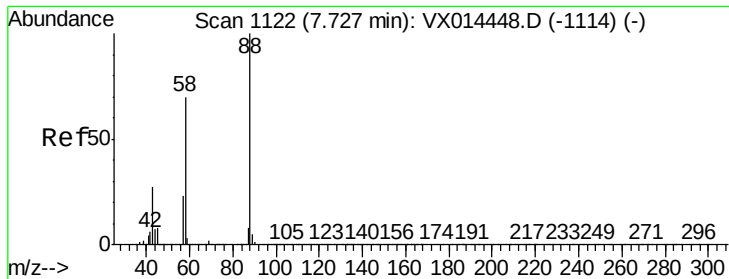


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.526 ug/l

RT: 7.72 min Scan# 1121

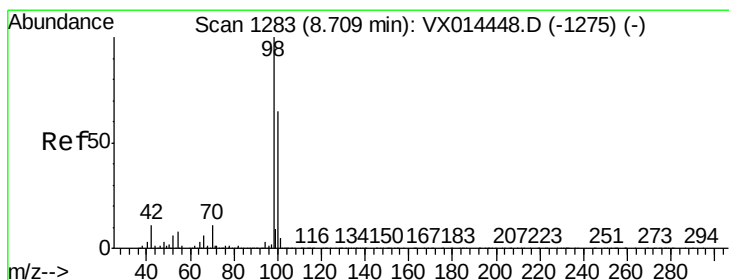
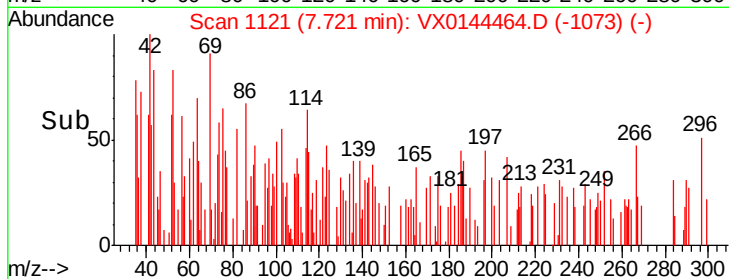
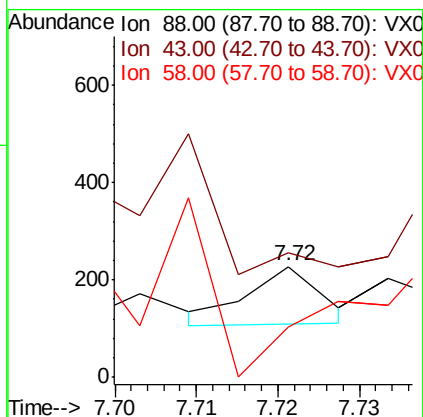
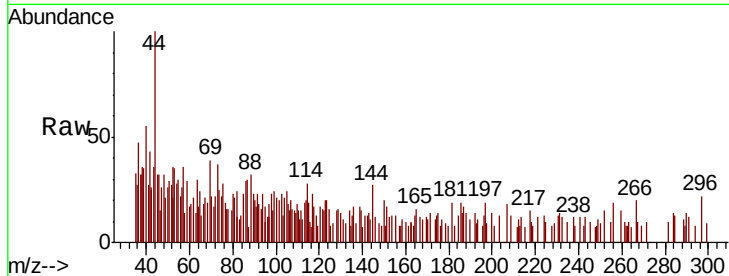
Delta R.T. -0.01 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	88	Resp:	73
Ion	Ratio	Lower	Upper
88	100		
43	189.0	27.4	41.0#
58	0.0	57.1	85.7#



#50

Toluene-d8

Concen: 50.513 ug/l

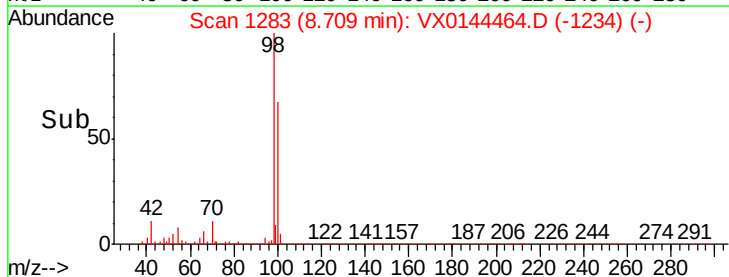
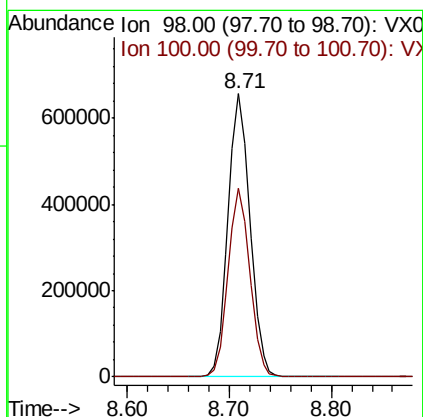
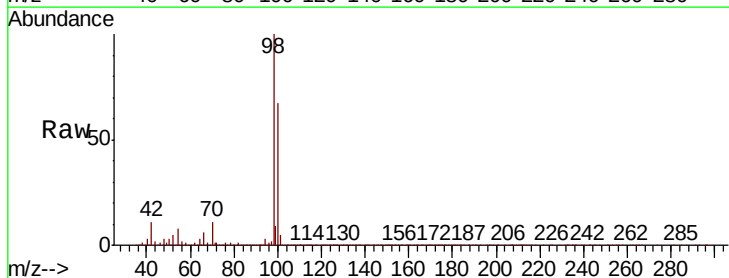
RT: 8.71 min Scan# 1283

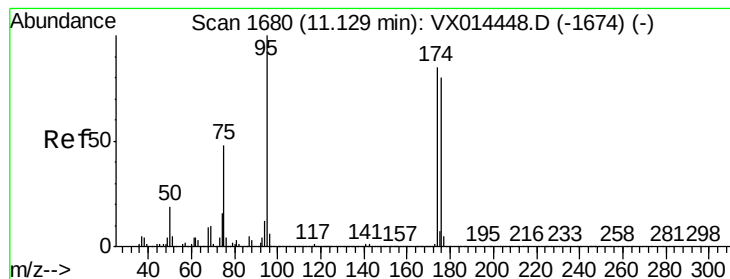
Delta R.T. -0.00 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Tgt Ion:	98	Resp:	983148
Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.2	79.8





#62

4-Bromofluorobenzene

Concen: 46.793 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

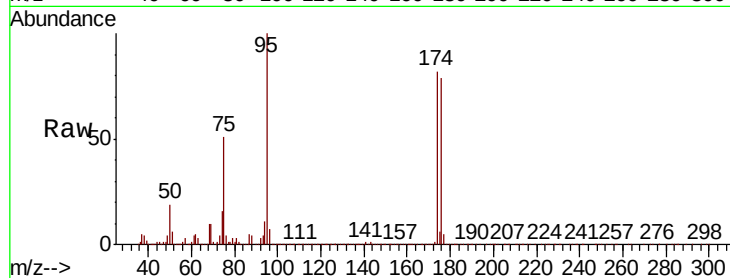
Tot Ion: 95 Resp: 334345

Ion Ratio Lower Upper

95 100

174 91.9 0.0 180.8

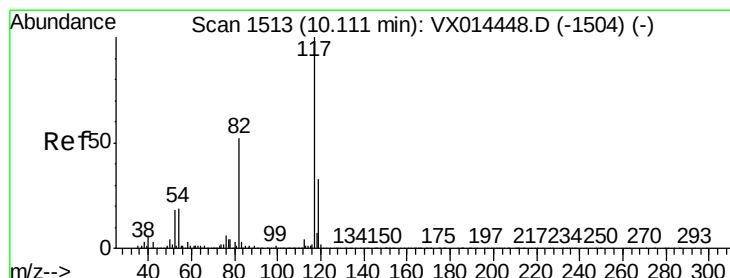
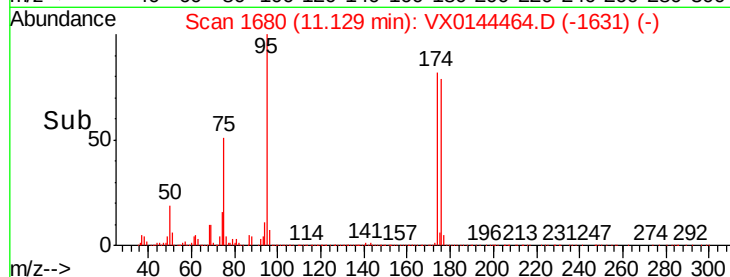
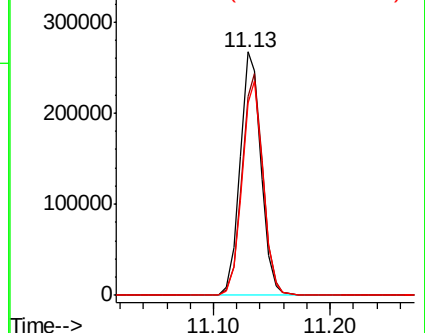
176 88.5 0.0 172.8



Abundance Ion 94.90 (94.60 to 95.60): VX0144464.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX0144464.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX0144464.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

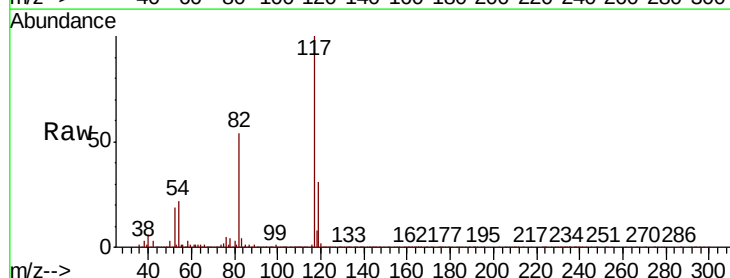
Tgt Ion: 117 Resp: 752257

Ion Ratio Lower Upper

117 100

82 54.4 41.8 62.6

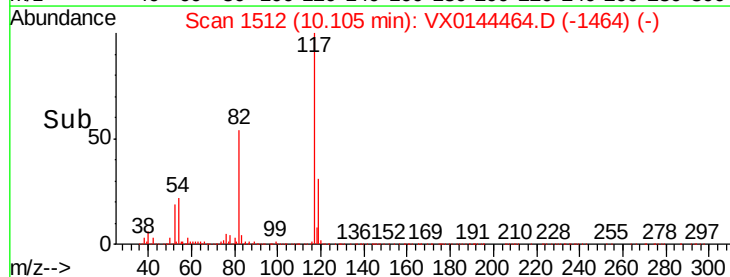
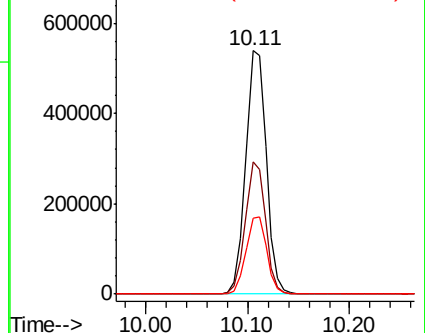
119 31.2 26.2 39.4

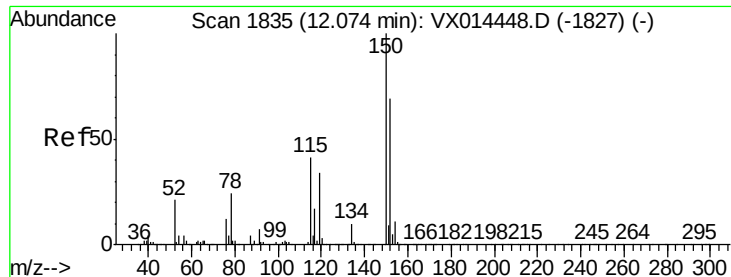


Abundance Ion 116.90 (116.60 to 117.60): VX0144464.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX0144464.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX0144464.D (-1464) (-)



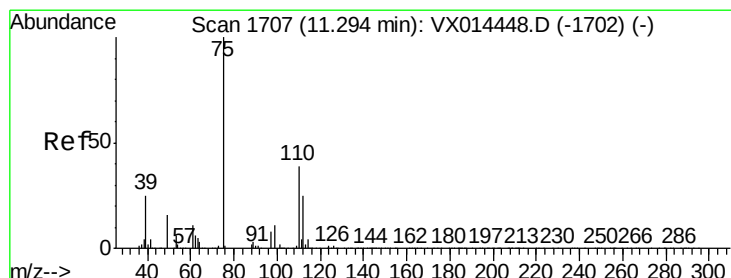
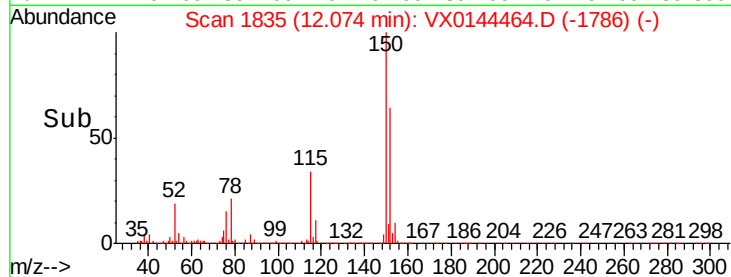
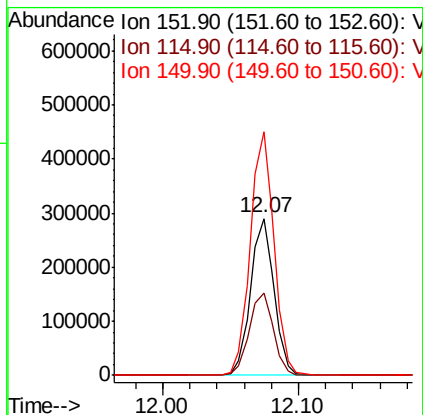
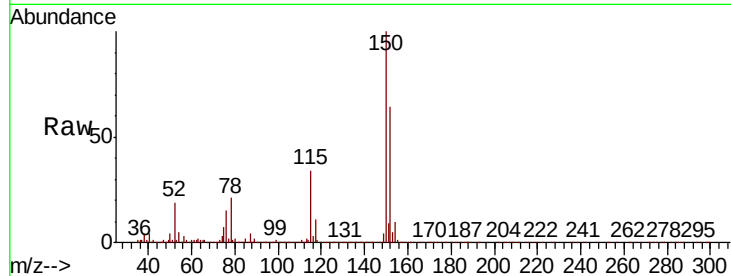


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX0144464.D
Acq: 08 Jan 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :

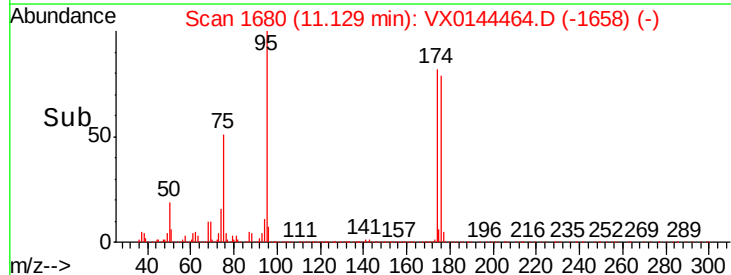
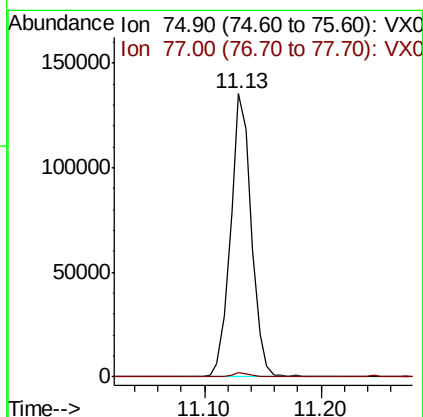
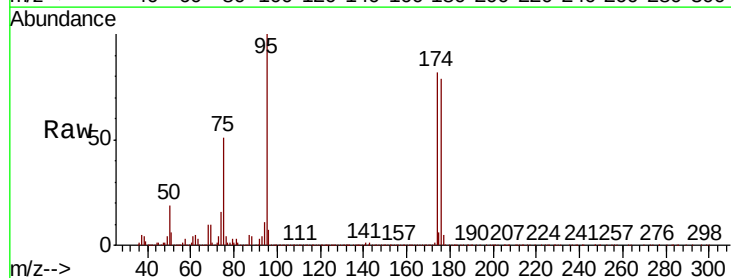
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.3	39.5	118.3
150	155.9	0.0	350.2

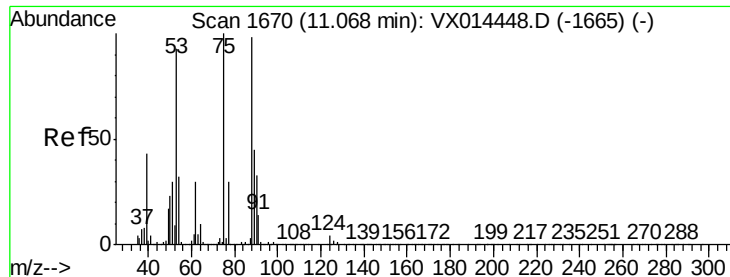


#76

1,2,3-Trichloropropane
Concen: 23.092 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX0144464.D
Acq: 08 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	21.9	65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 61.051 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

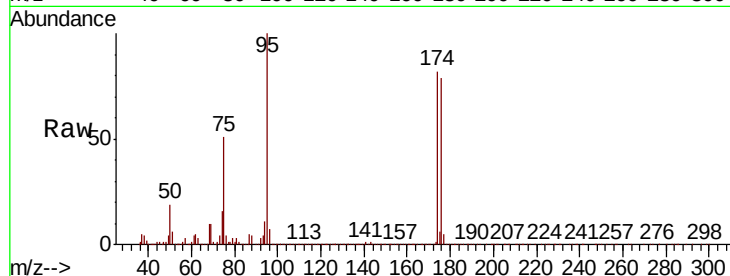
Tot Ion: 75 Resp: 168283

Ion Ratio Lower Upper

75 100

53 0.0 74.8 112.2#

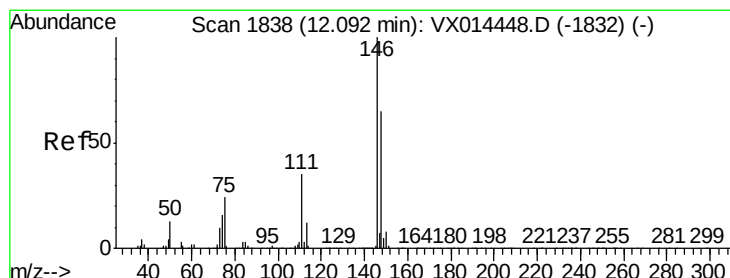
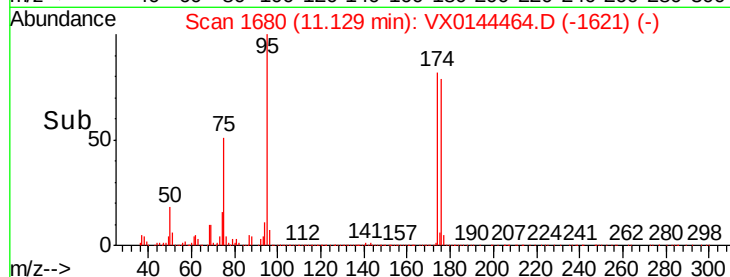
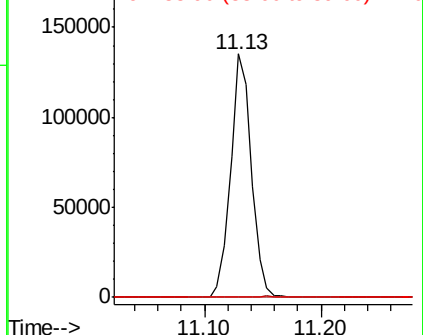
89 0.0 36.3 54.5#



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



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

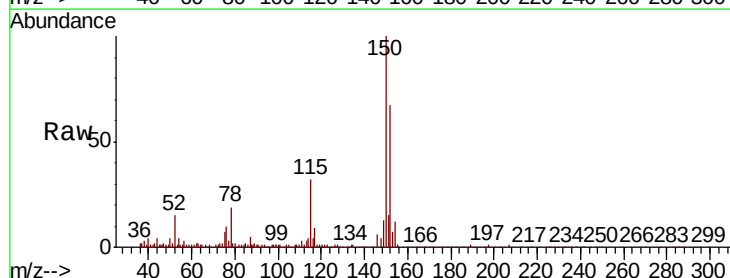
Tgt Ion: 146 Resp: 1818

Ion Ratio Lower Upper

146 100

111 262.2 18.1 54.1#

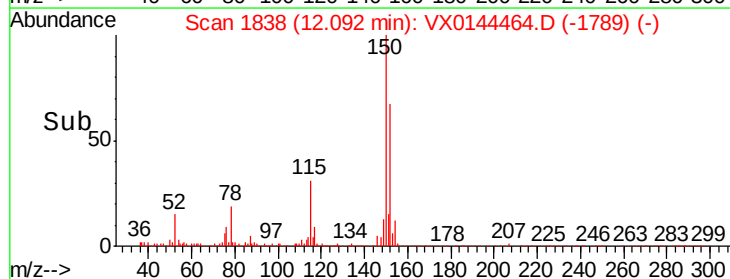
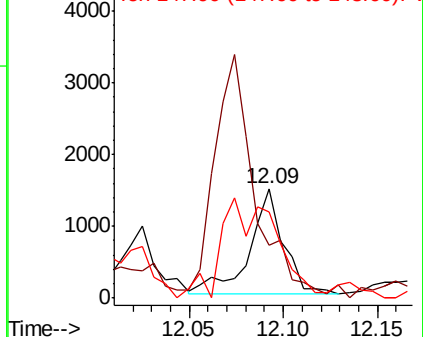
148 76.2 32.1 96.3

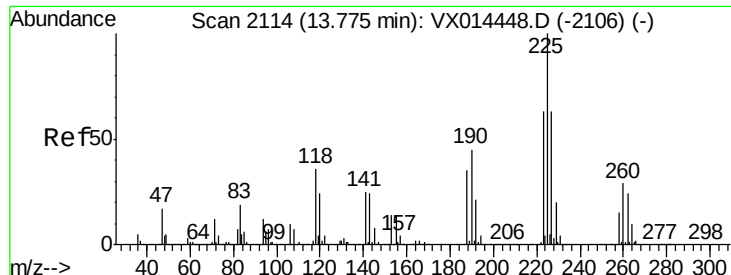


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#94

Hexachlorobutadiene

Concen: 0.228 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX0144464.D

Acq: 08 Jan 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

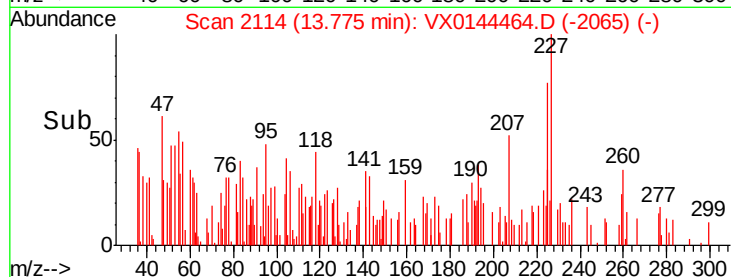
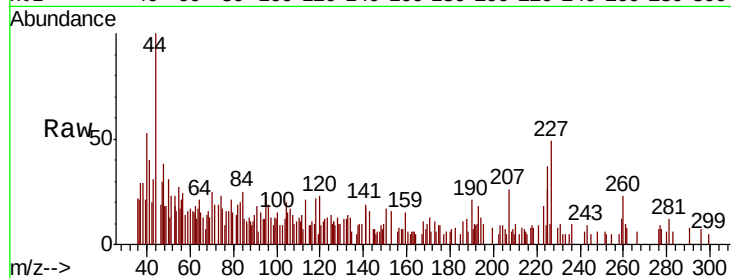
Tot Ion:225 Resp: 660

Ion Ratio Lower Upper

225 100

223 97.3 31.1 93.2#

227 99.7 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

