

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012619\
 Data File : VX007236.D
 Acq On : 25 Jan 2019 18:28
 Operator : JC/SP
 Sample : PB116609ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 00:16:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	533981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	826242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	805365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	386100	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	288886	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	5.51	113	259481	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	8.71	98	1016795	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.13	95	357171	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	

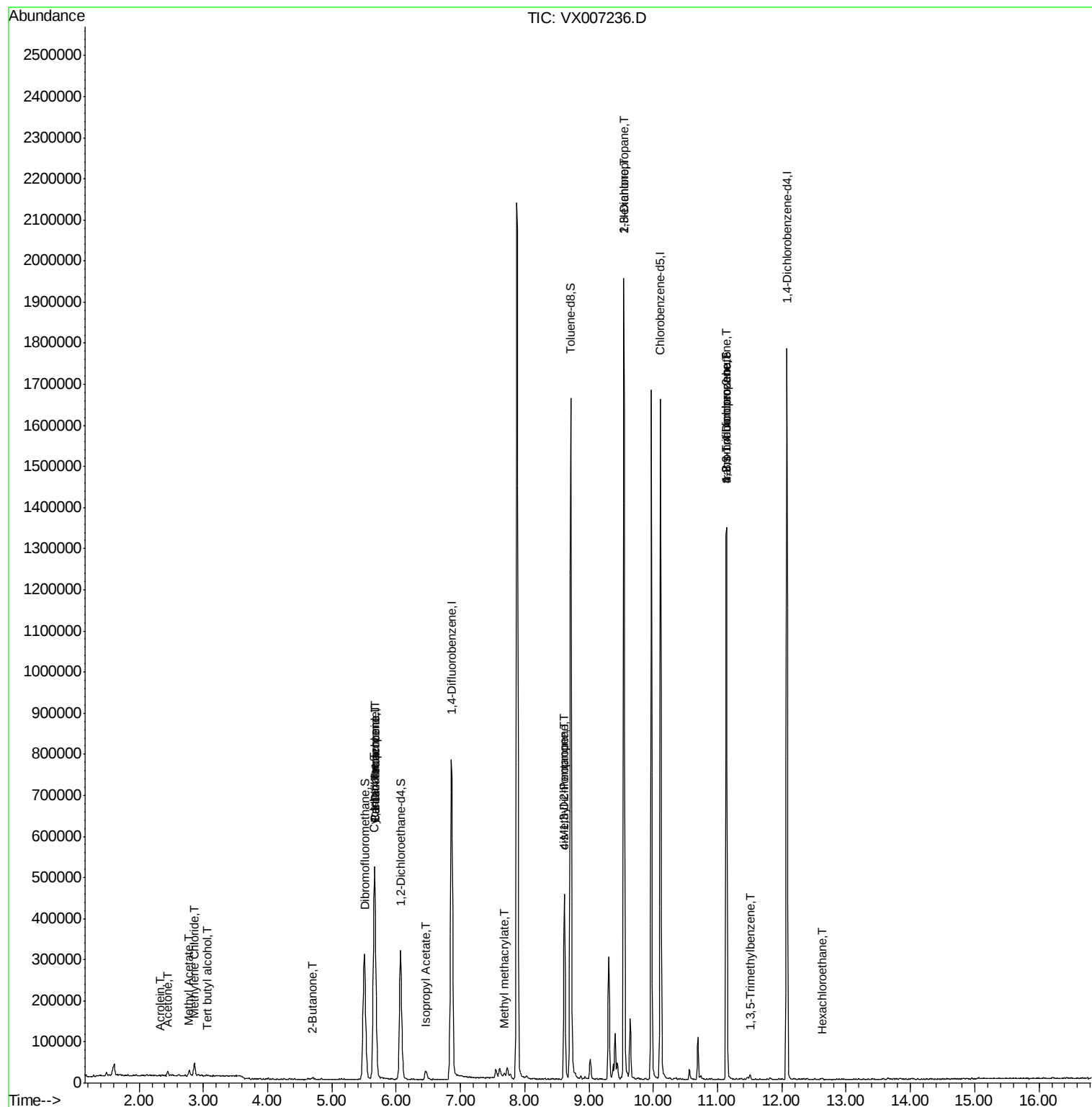
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	887	0.674	ug/l #	8
13) Acrolein	2.32	56	465	3.893	ug/l #	13
16) Acetone	2.45	43	13576	4.921	ug/l	89
18) Methyl Acetate	2.78	43	17263	2.161	ug/l	95
20) Methylene Chloride	2.86	84	13671	2.063	ug/l	98
25) 2-Butanone	4.70	43	6301	1.596	ug/l	97
31) Cyclohexane	5.65	56	9417	1.197	ug/l #	33
36) 1,1-Dichloropropene	5.66	75	33940	4.725	ug/l #	48
38) Carbon Tetrachloride	5.67	117	47280	6.542	ug/l #	15
43) Isopropyl Acetate	6.46	43	28554	2.351	ug/l #	93
48) Methyl methacrylate	7.68	41	13644	2.187	ug/l #	11
49) 1,4-Dioxane	7.76	88	34	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.62	43	144439	18.501	ug/l #	48
54) cis-1,3-Dichloropropene	8.62	75	71591	8.869	ug/l #	63
57) 1,3-Dichloropropane	9.54	76	17325	1.875	ug/l #	44
59) 2-Hexanone	9.54	43	216783	36.438	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	172944	22.104	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	4750	0.209	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.13	75	172944	65.442	ug/l #	10
90) Hexachloroethane	12.63	117	29	2.915	ug/l	62

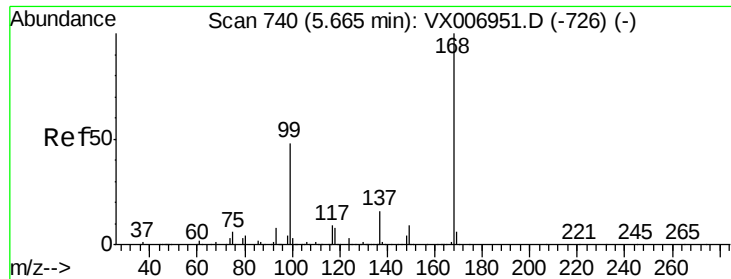
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012619\
Data File : VX007236.D
Acq On : 25 Jan 2019 18:28
Operator : JC/SP
Sample : PB116609ZHE#02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 28 00:16:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Instrument :

MSVOA_X

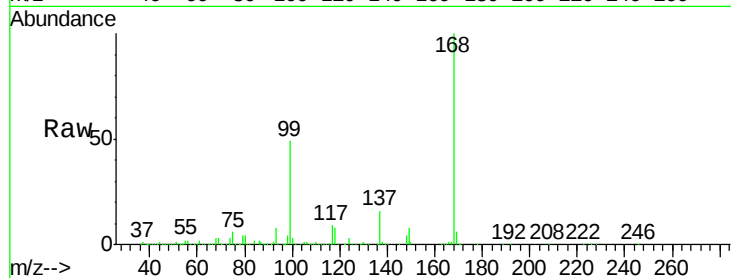
ClientSampled :

Tot Ion:168 Resp: 533981

Ion Ratio Lower Upper

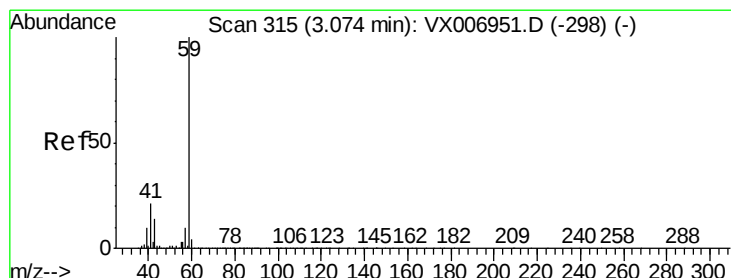
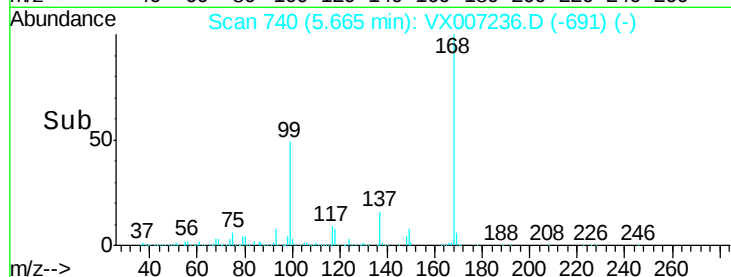
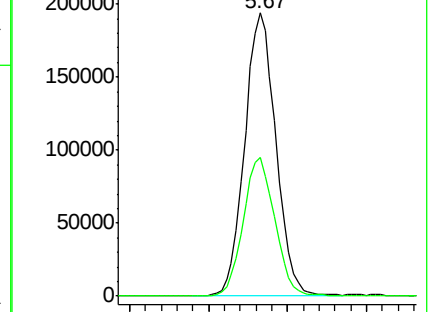
168 100

99 49.2 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.674 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX007236.D

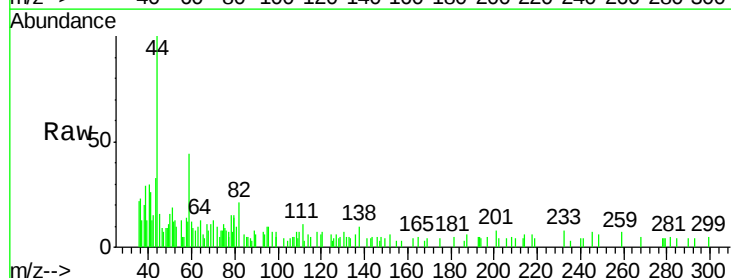
Acq: 25 Jan 2019 18:28

Tgt Ion: 59 Resp: 887

Ion Ratio Lower Upper

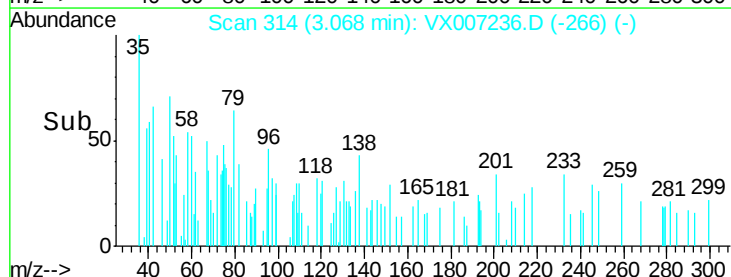
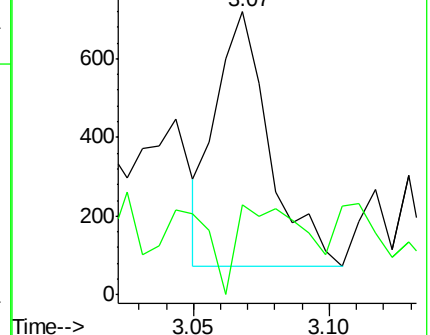
59 100

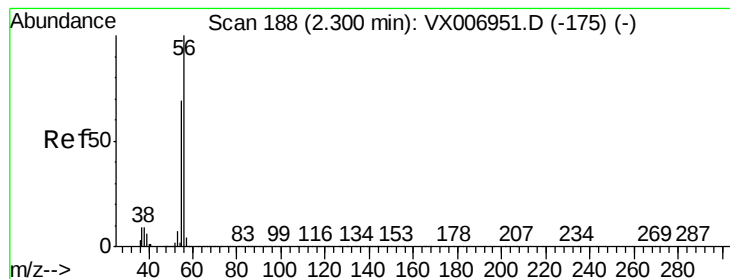
57 45.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 3.893 ug/l

RT: 2.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

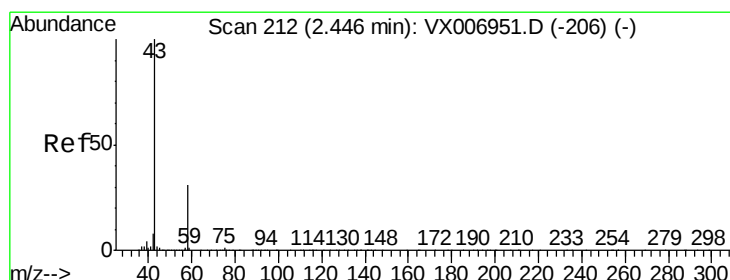
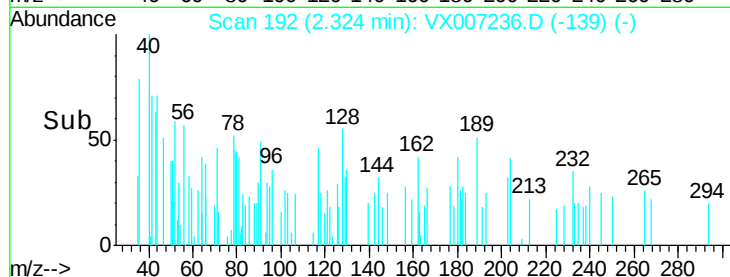
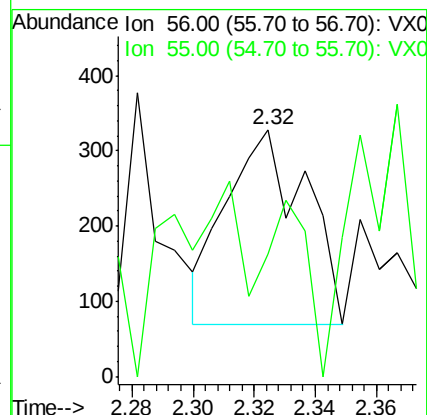
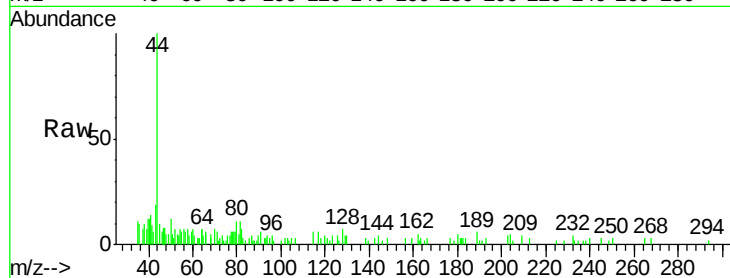
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 465

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#16

Acetone

Concen: 4.921 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007236.D

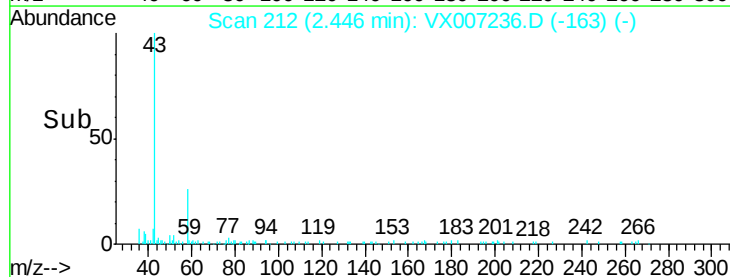
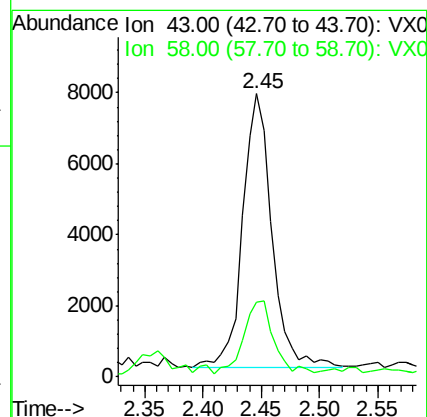
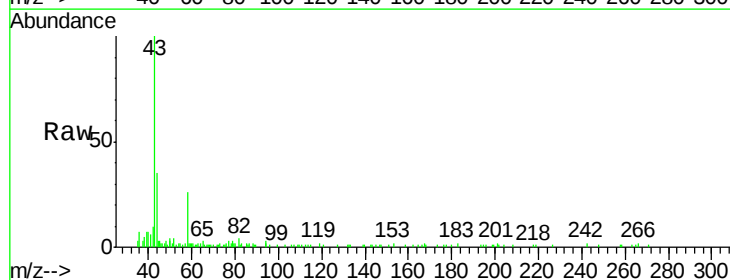
Acq: 25 Jan 2019 18:28

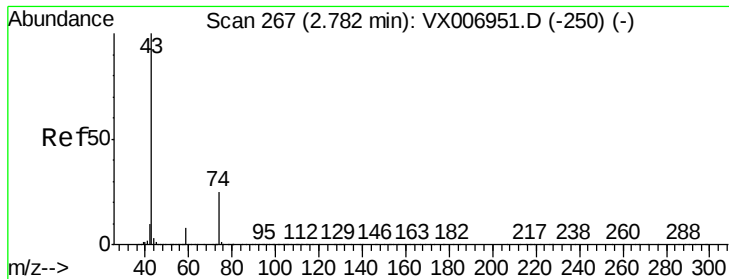
Tgt Ion: 43 Resp: 13576

Ion Ratio Lower Upper

43 100

58 25.3 25.0 37.6

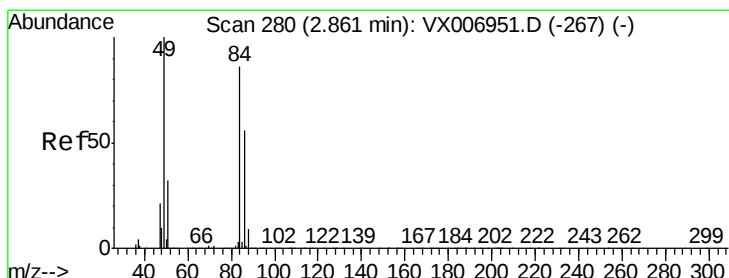
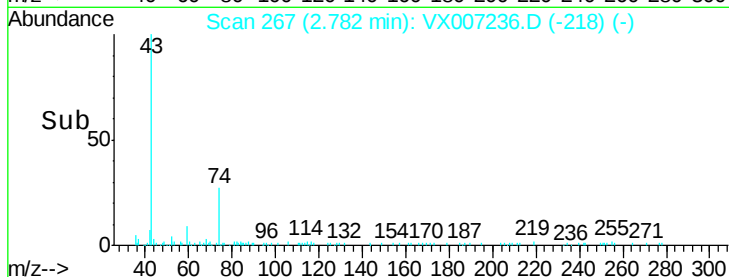
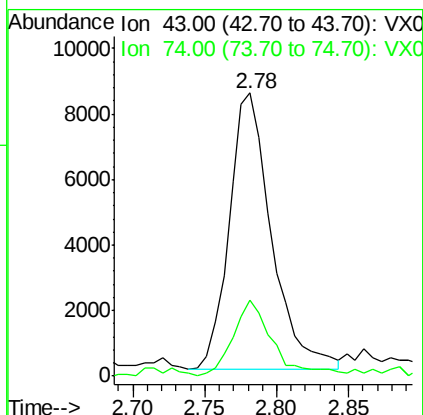
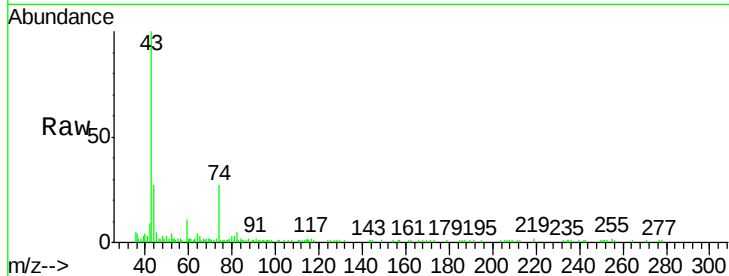




#18
Methyl Acetate
Concen: 2.161 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007236.D
Acq: 25 Jan 2019 18:28

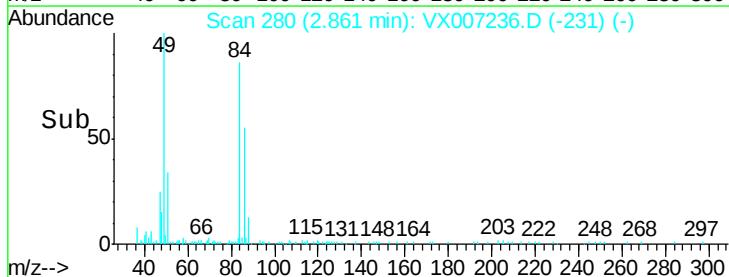
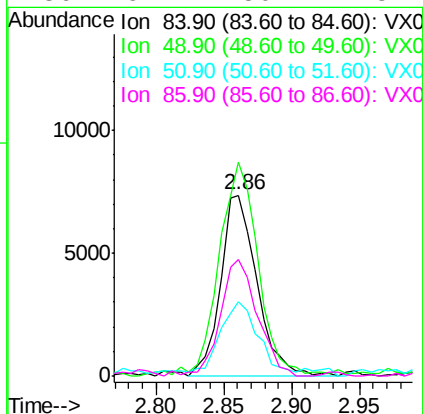
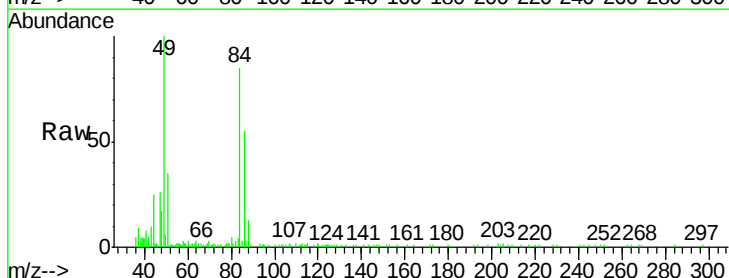
Instrument :
MSVOA_X
ClientSampleId :

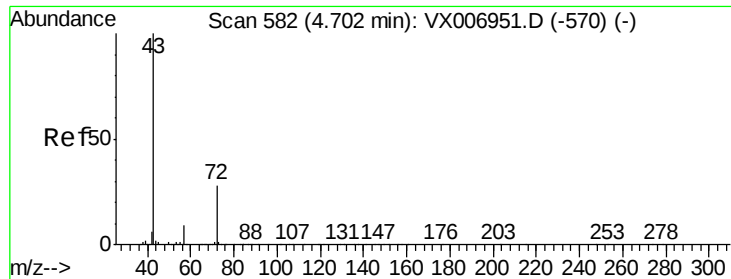
Tot Ion: 43 Resp: 17263
Ion Ratio Lower Upper
43 100
74 25.9 18.6 28.0



#20
Methylene Chloride
Concen: 2.063 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007236.D
Acq: 25 Jan 2019 18:28

Tgt Ion: 84 Resp: 13671
Ion Ratio Lower Upper
84 100
49 115.9 91.8 137.6
51 38.8 28.5 42.7
86 62.4 50.2 75.2





#25

2-Butanone

Concen: 1.596 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Instrument :

MSVOA_X

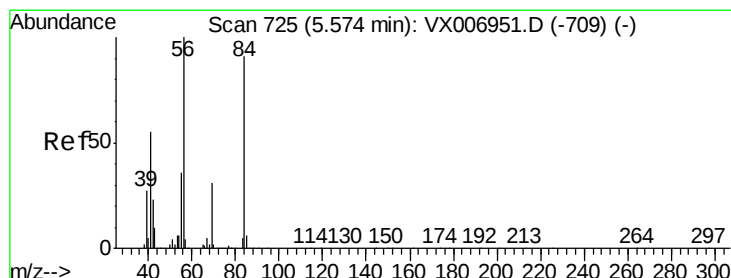
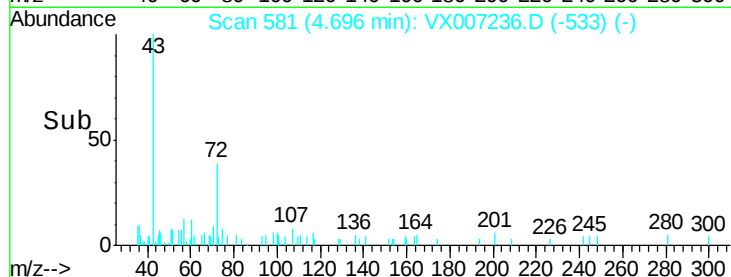
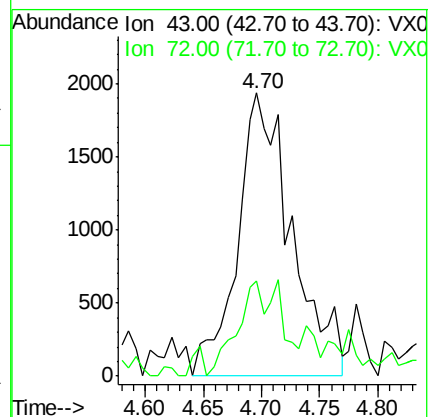
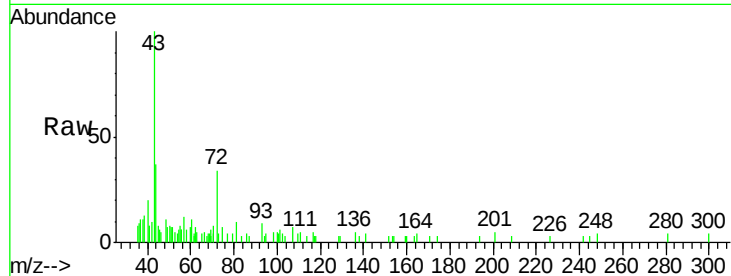
ClientSampleId :

Tot Ion: 43 Resp: 6301

Ion Ratio Lower Upper

43 100

72 26.5 22.4 33.6



#31

Cyclohexane

Concen: 1.197 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

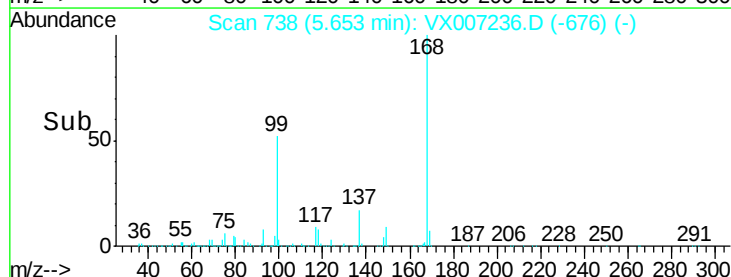
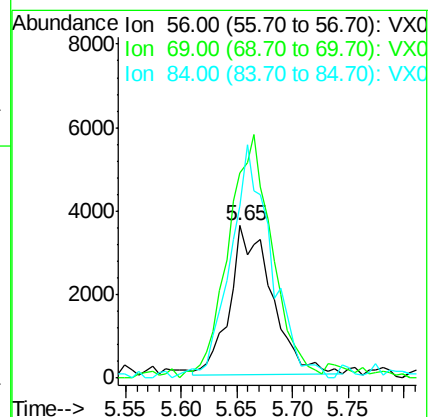
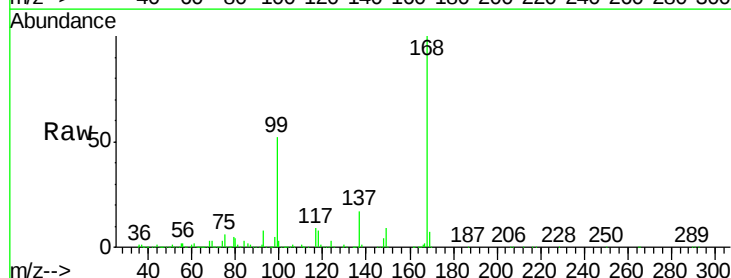
Tgt Ion: 56 Resp: 9417

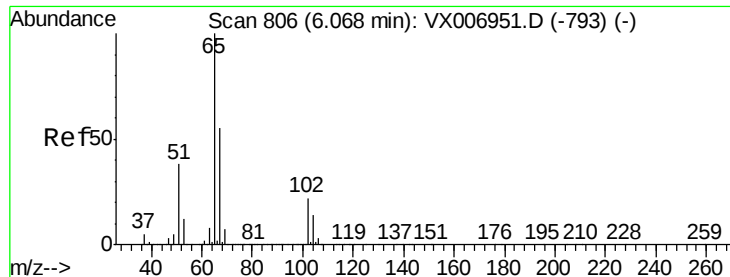
Ion Ratio Lower Upper

56 100

69 133.8 24.4 36.6#

84 110.0 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 51.767 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Instrument :

MSVOA_X

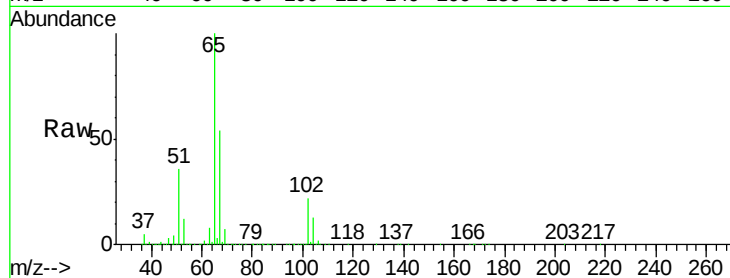
ClientSampleId :

Tot Ion: 65 Resp: 288886

Ion Ratio Lower Upper

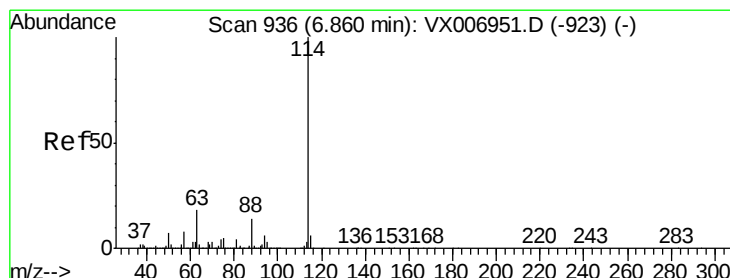
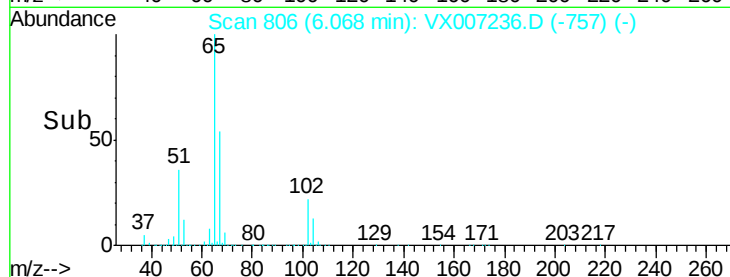
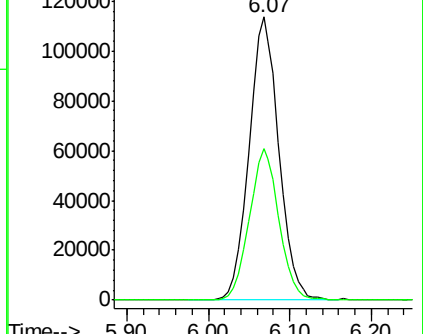
65 100

67 53.3 0.0 105.0



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

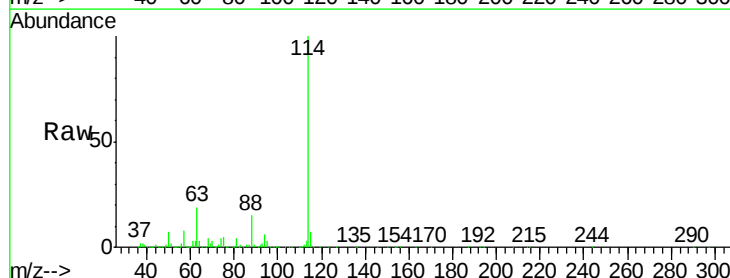
Tgt Ion: 114 Resp: 826242

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.8

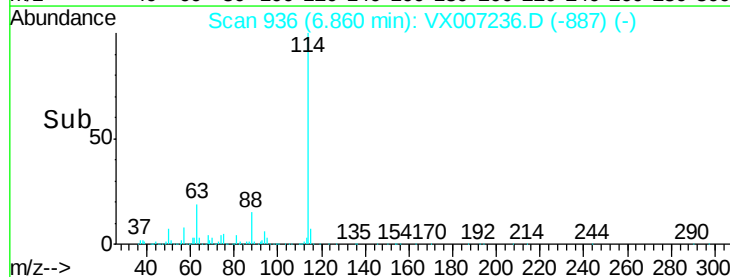
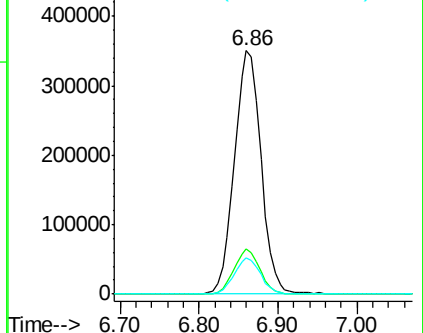
88 14.8 0.0 28.8

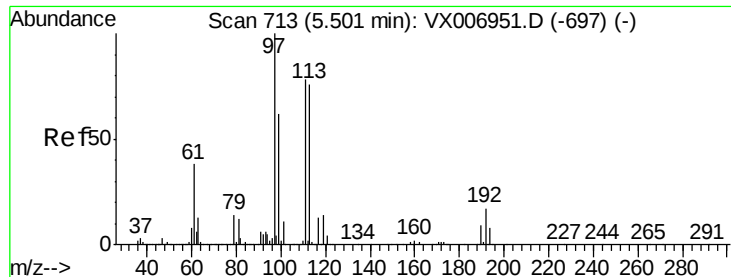


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.040 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Instrument :
MSVOA_X
ClientSampleId :

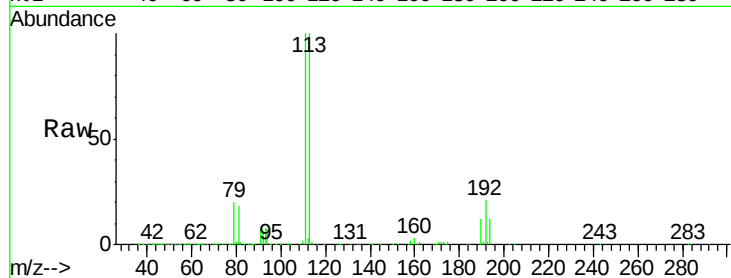
Tot Ion:113 Resp: 259481

Ion Ratio Lower Upper

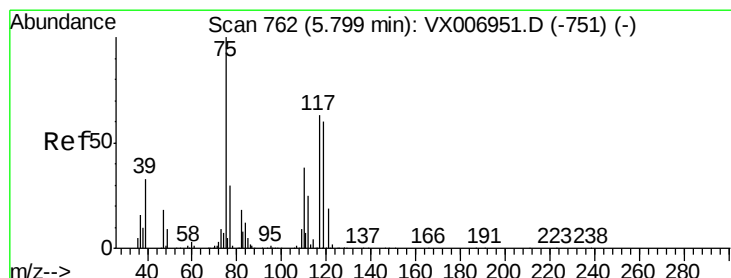
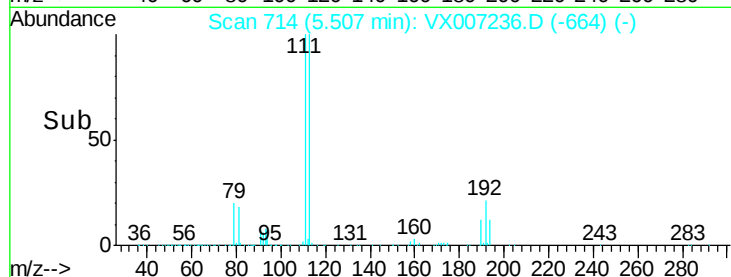
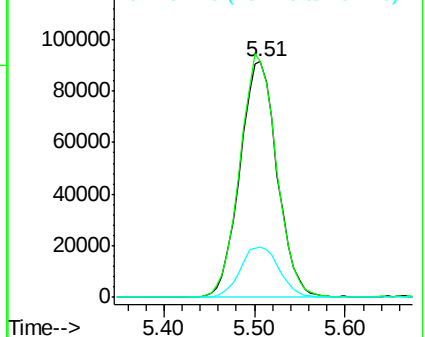
113 100

111 101.8 81.6 122.4

192 22.5 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: 4.725 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

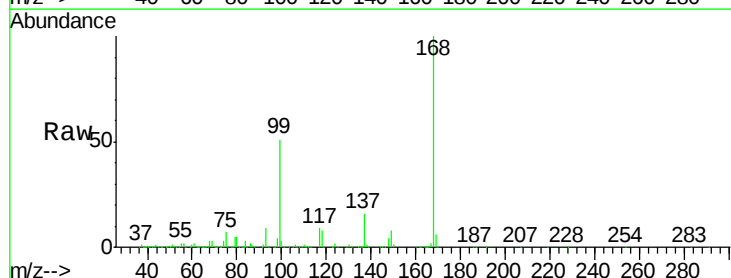
Tgt Ion: 75 Resp: 33940

Ion Ratio Lower Upper

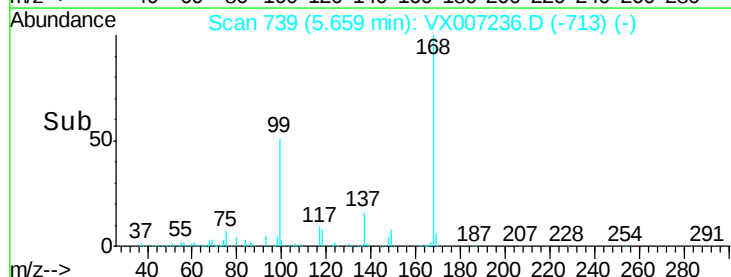
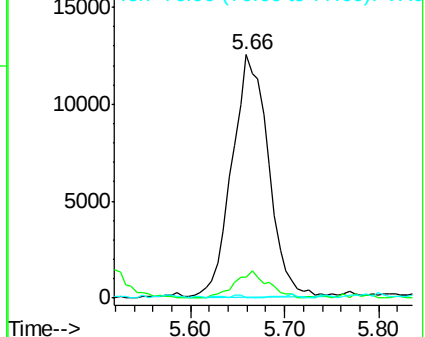
75 100

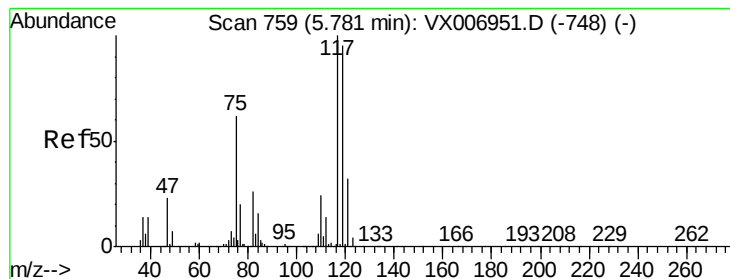
110 10.3 20.2 60.5#

77 0.3 24.8 37.2#



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: 6.542 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

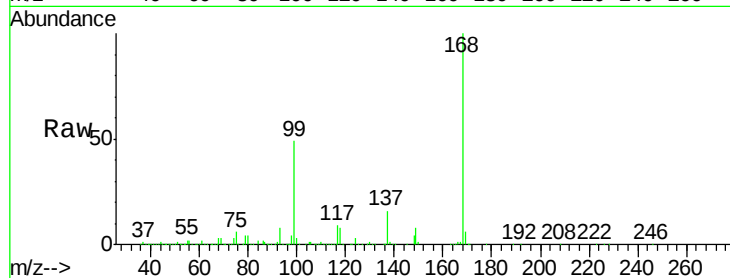
Tot Ion:117 Resp: 47280

Ion Ratio Lower Upper

117 100

119 5.2 79.4 119.2#

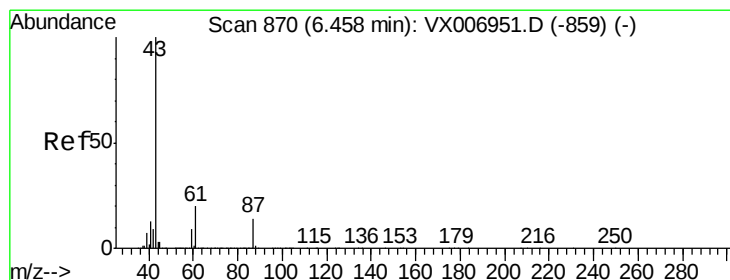
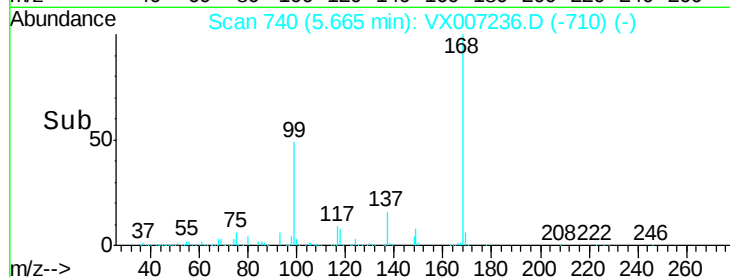
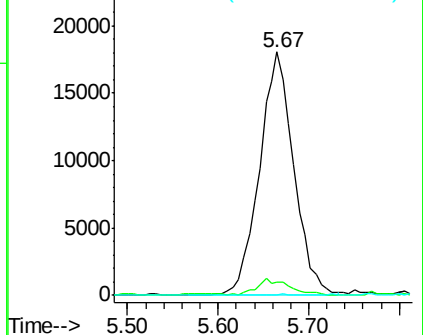
121 0.0 24.0 36.0#



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



#43

Isopropyl Acetate

Concen: 2.351 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

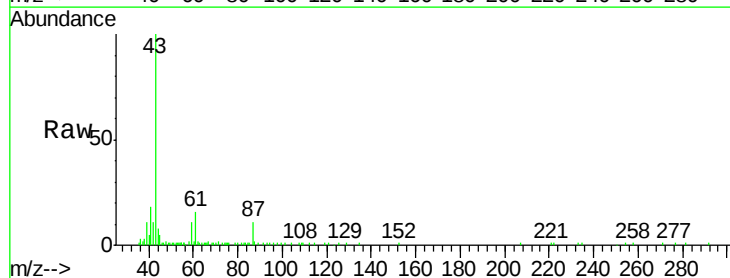
Tgt Ion: 43 Resp: 28554

Ion Ratio Lower Upper

43 100

61 19.1 16.8 25.2

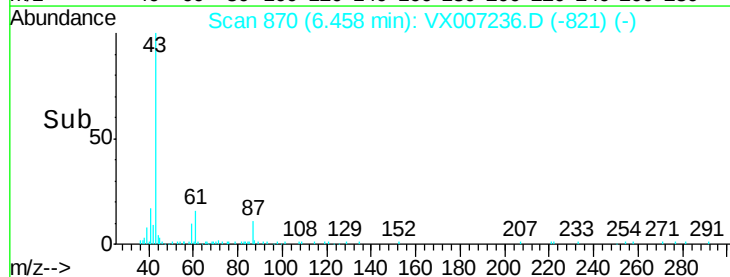
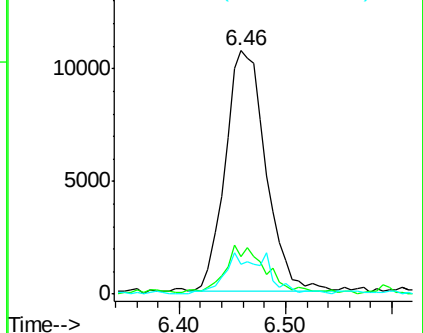
87 10.9 12.4 18.6#

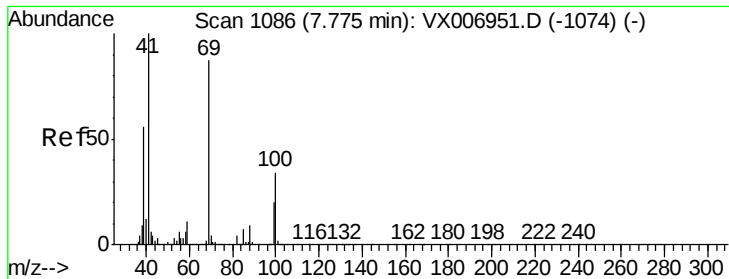


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 2.187 ug/l

RT: 7.68 min Scan# 1071

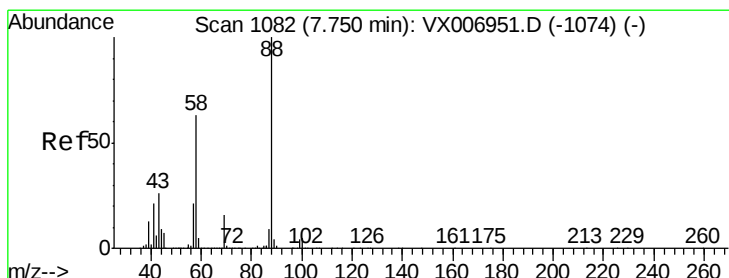
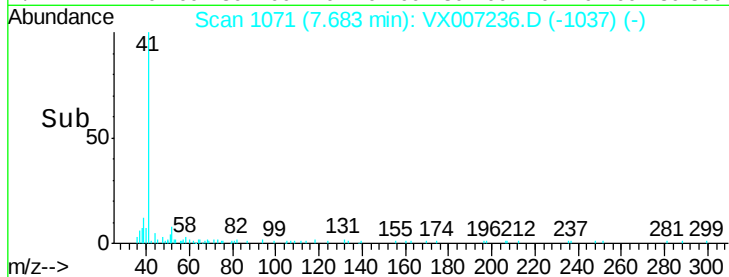
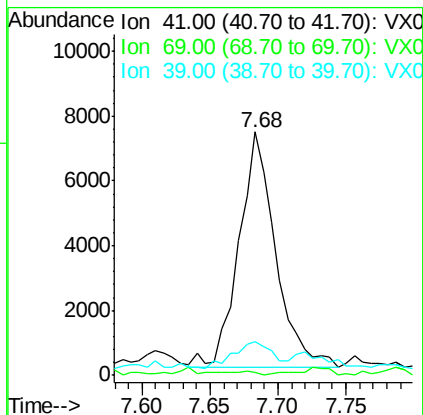
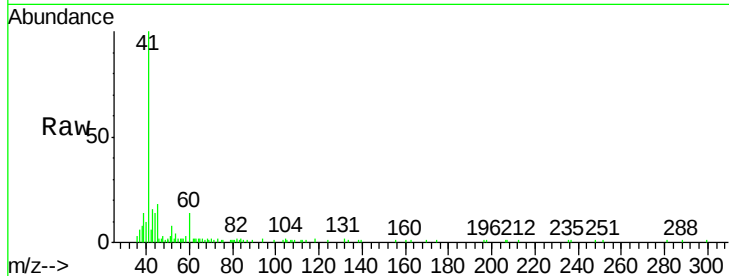
Delta R.T. -0.09 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	13644
Ion	Ratio	Lower	Upper
41	100		
69	0.0	72.4	108.6#
39	0.0	45.8	68.8#



#49

1,4-Dioxane

Concen: Below Cal

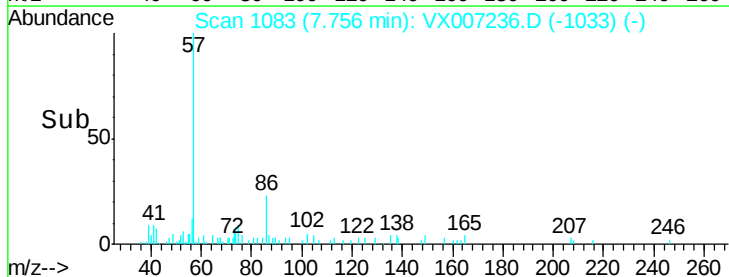
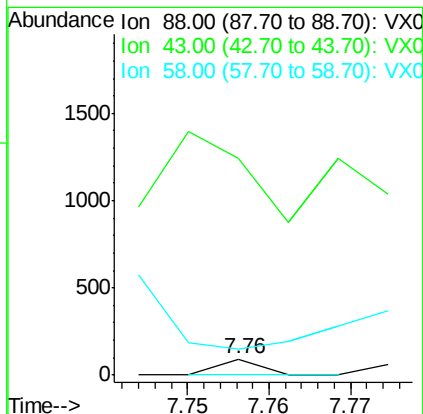
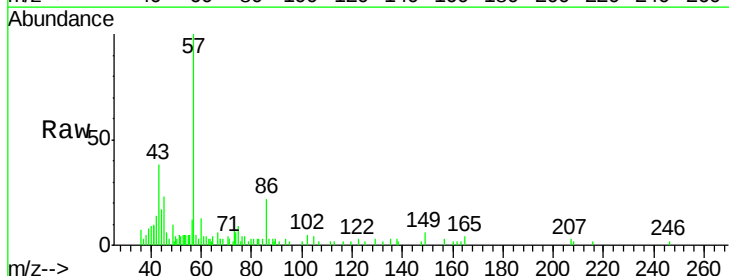
RT: 7.76 min Scan# 1083

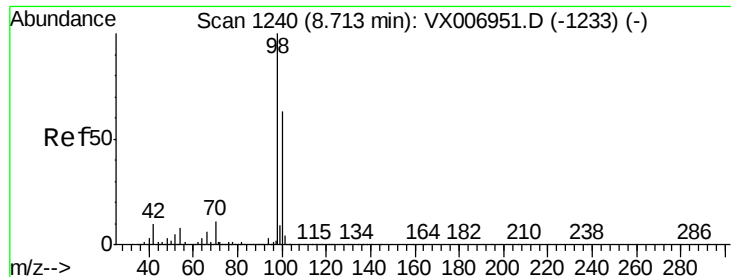
Delta R.T. 0.01 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Tgt Ion:	88	Resp:	34
Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.2	33.4#
58	0.0	51.0	76.4#





#50

Toluene-d8

Concen: 52.500 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Instrument :

MSVOA_X

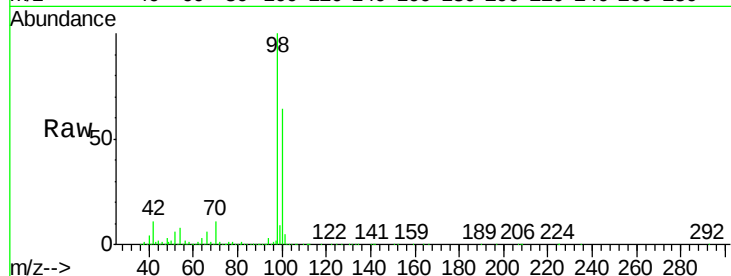
ClientSampleId :

Tot Ion: 98 Resp: 1016795

Ion Ratio Lower Upper

98 100

100 63.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

600000

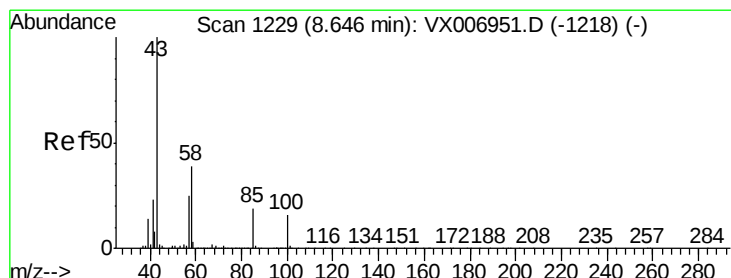
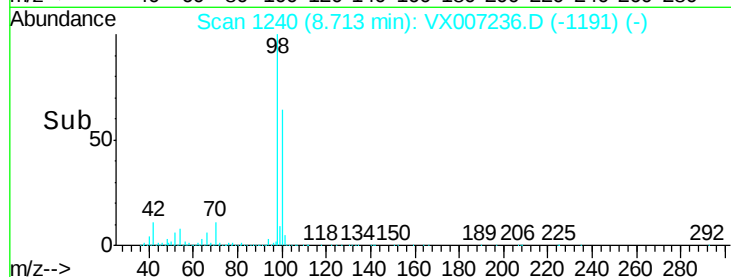
400000

200000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 18.501 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007236.D

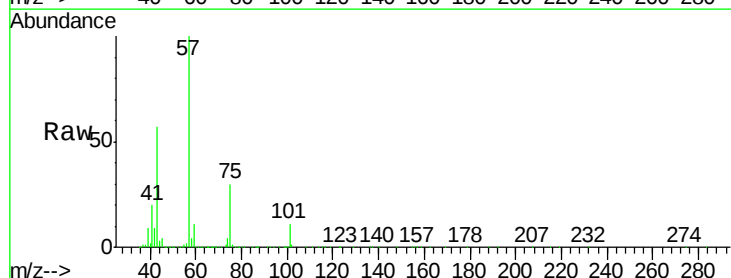
Acq: 25 Jan 2019 18:28

Tgt Ion: 43 Resp: 144439

Ion Ratio Lower Upper

43 100

58 7.9 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

100000

80000

60000

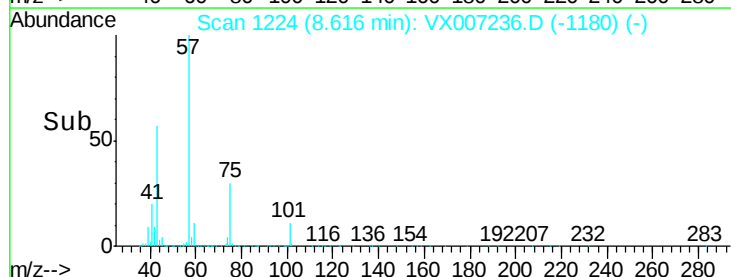
40000

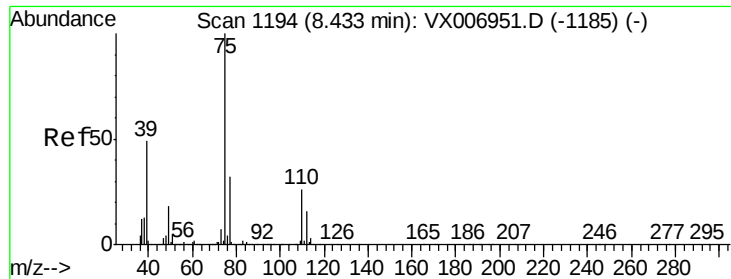
20000

0

8.55 8.60 8.65 8.70

Time-->





#54

cis-1,3-Dichloropropene

Concen: 8.869 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Instrument :
MSVOA_X
ClientSampleId :

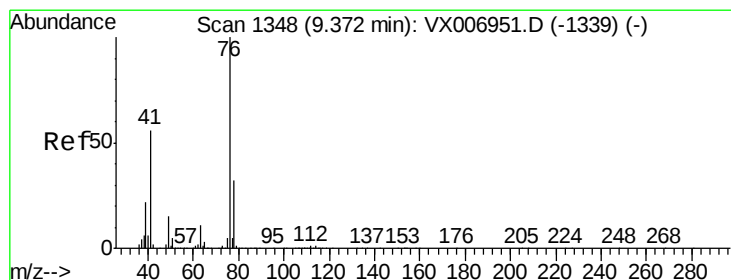
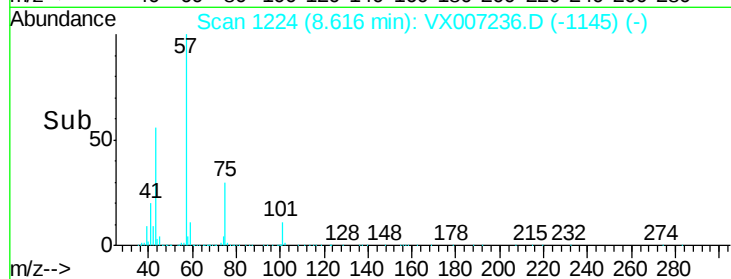
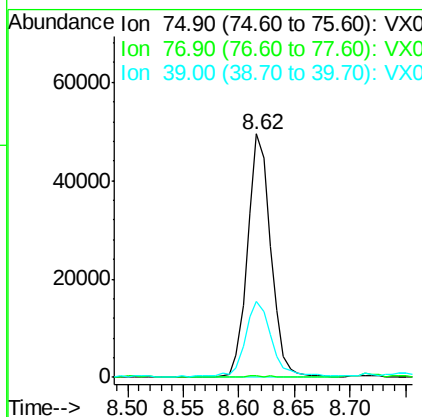
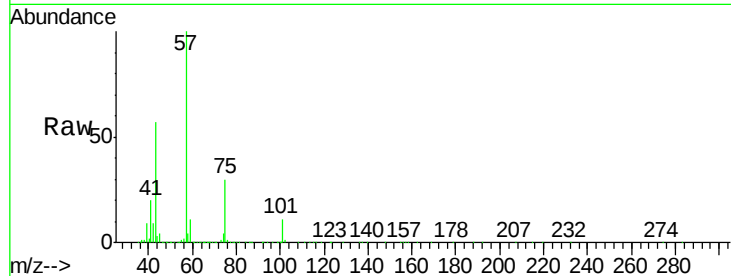
Tot Ion: 75 Resp: 71591

Ion Ratio Lower Upper

75 100

77 0.8 26.2 39.2#

39 31.2 36.7 55.1#



#57

1,3-Dichloropropane

Concen: 1.875 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007236.D

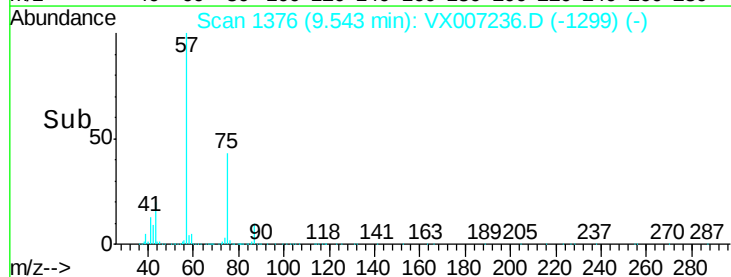
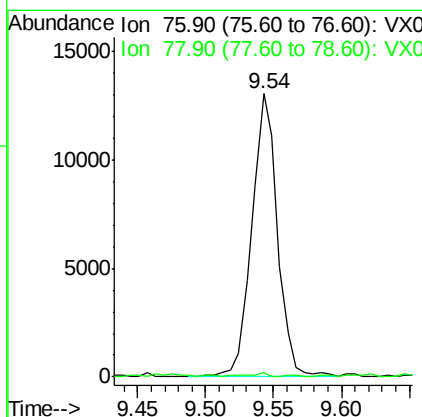
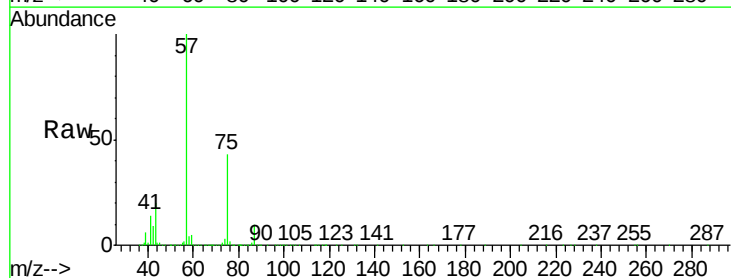
Acq: 25 Jan 2019 18:28

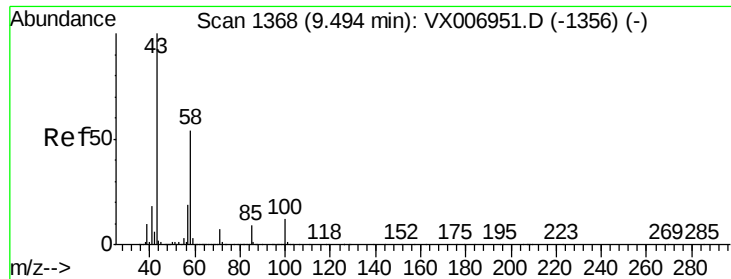
Tgt Ion: 76 Resp: 17325

Ion Ratio Lower Upper

76 100

78 1.1 26.0 39.0#

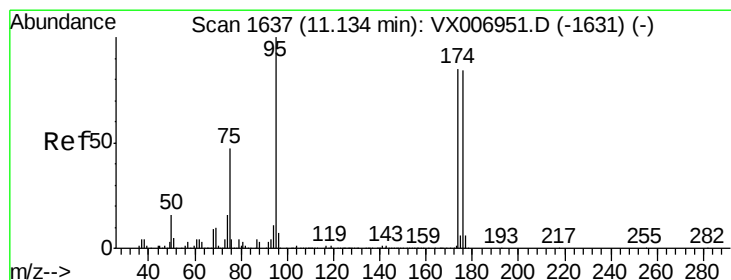
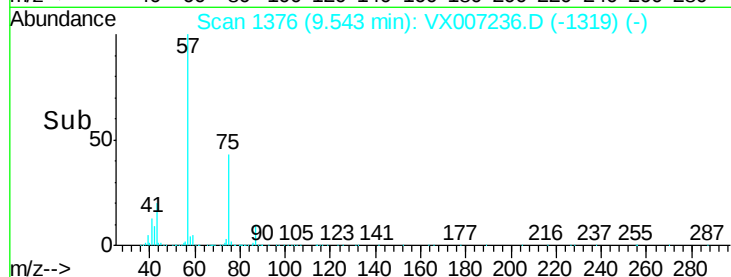
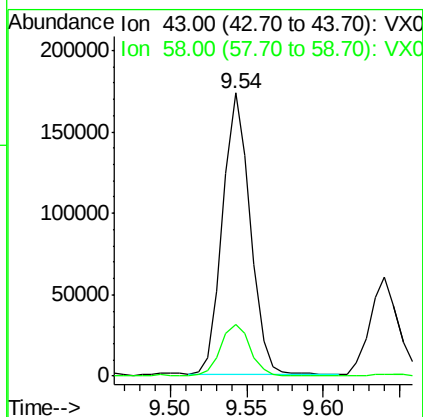
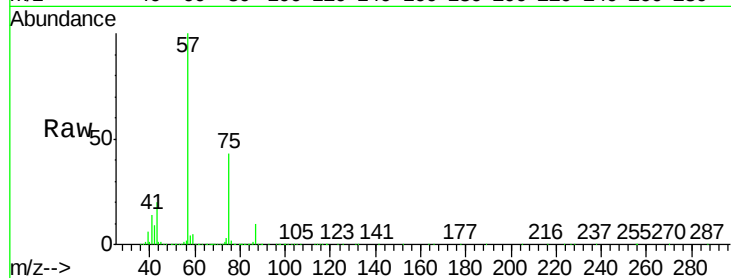




#59
2-Hexanone
Concen: 36.438 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX007236.D
Acq: 25 Jan 2019 18:28

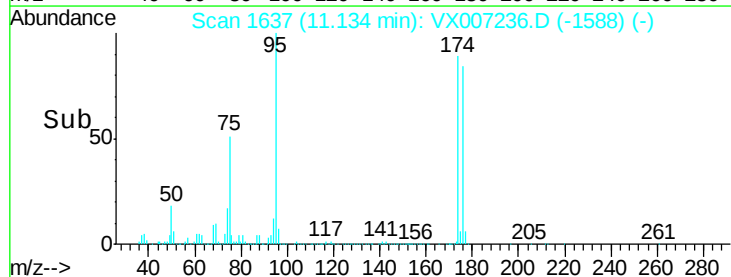
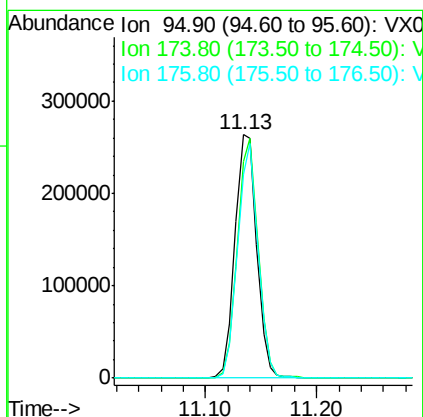
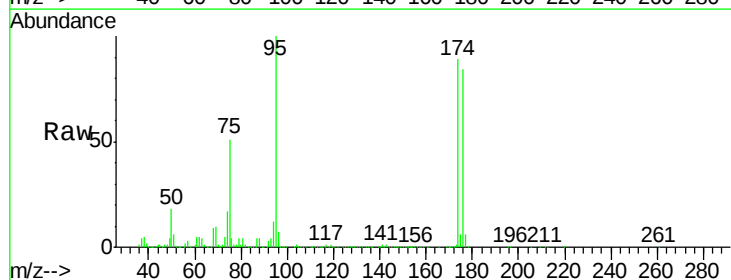
Instrument :
MSVOA_X
ClientSampleId :

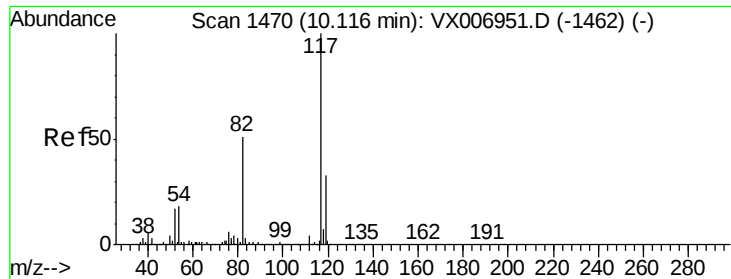
Tot Ion: 43 Resp: 216783
Ion Ratio Lower Upper
43 100
58 20.1 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 52.899 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007236.D
Acq: 25 Jan 2019 18:28

Tgt Ion: 95 Resp: 357171
Ion Ratio Lower Upper
95 100
174 94.1 0.0 182.2
176 91.0 0.0 178.8

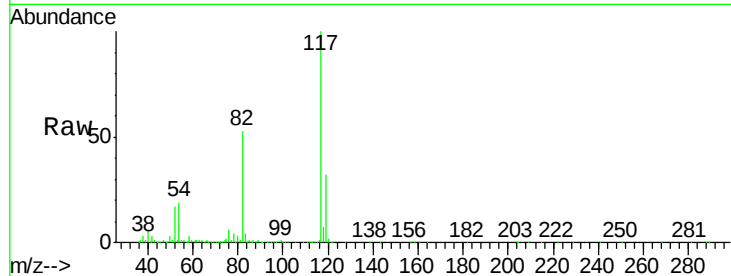




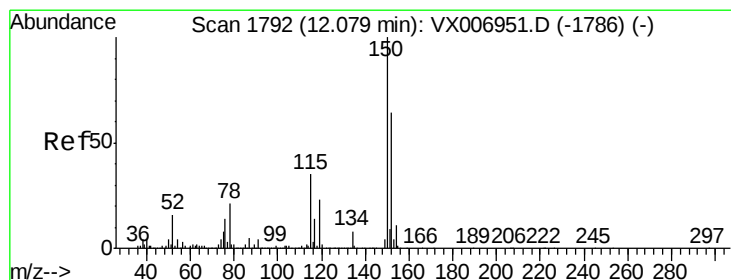
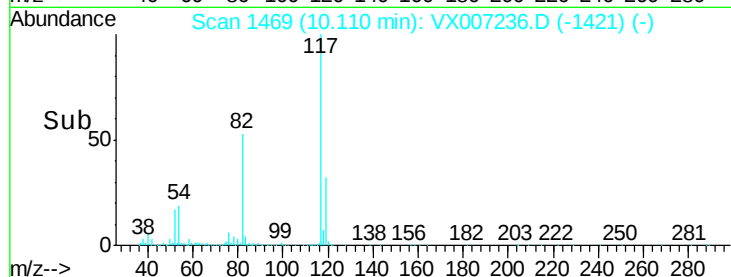
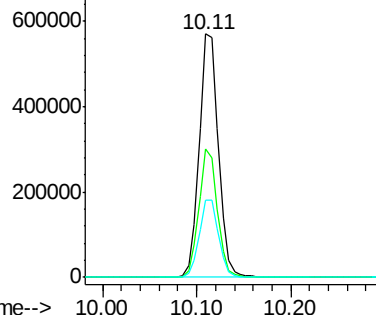
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007236.D
Acq: 25 Jan 2019 18:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 805365
Ion Ratio Lower Upper
117 100
82 52.8 41.0 61.6
119 31.9 25.4 38.0

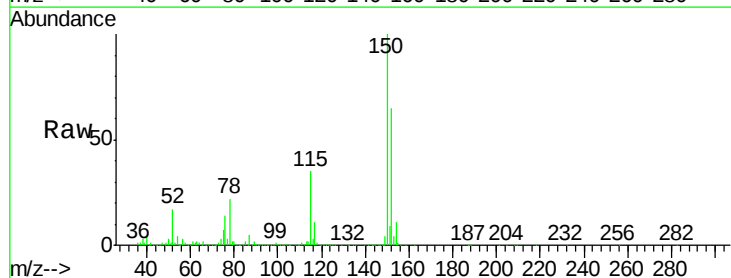


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

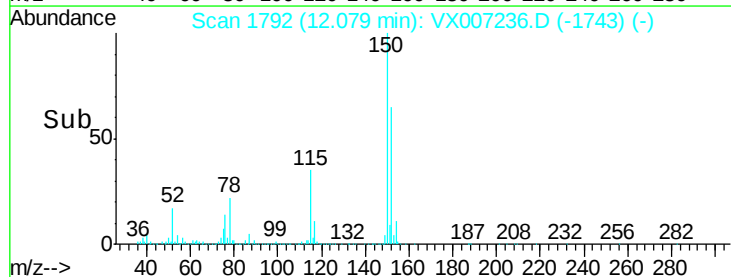
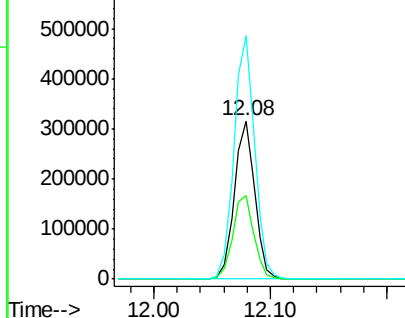


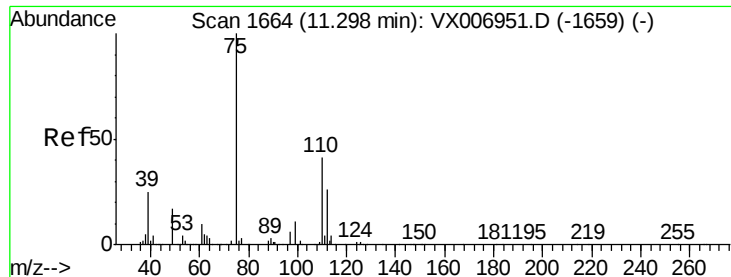
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007236.D
Acq: 25 Jan 2019 18:28

Tgt Ion:152 Resp: 386100
Ion Ratio Lower Upper
152 100
115 54.7 39.1 117.2
150 156.0 0.0 344.8



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: 22.104 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Instrument :

MSVOA_X

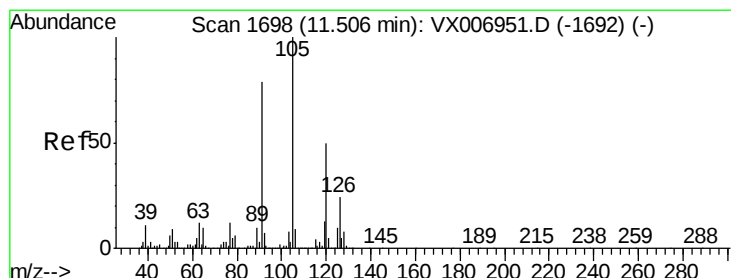
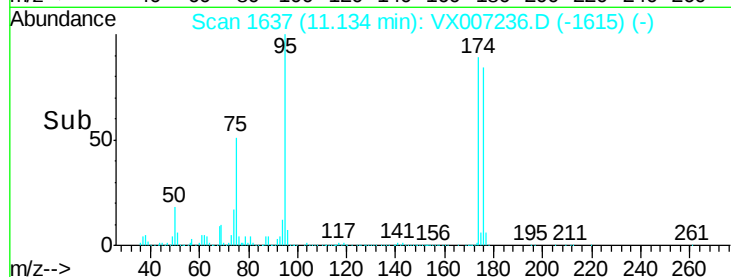
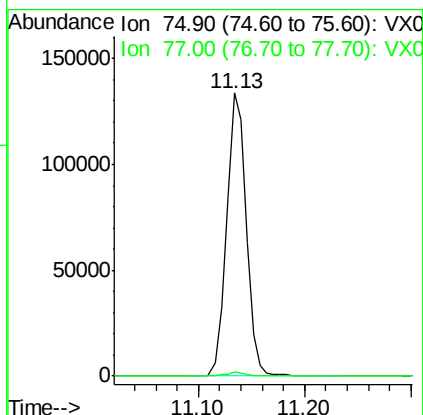
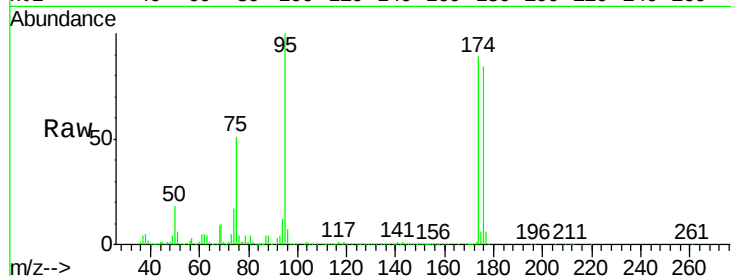
ClientSampleId :

Tot Ion: 75 Resp: 172944

Ion Ratio Lower Upper

75 100

77 1.3 18.5 55.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.209 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007236.D

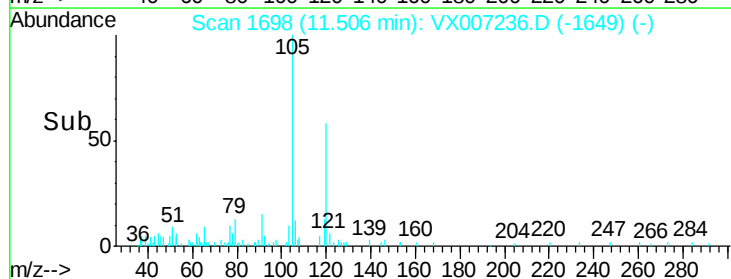
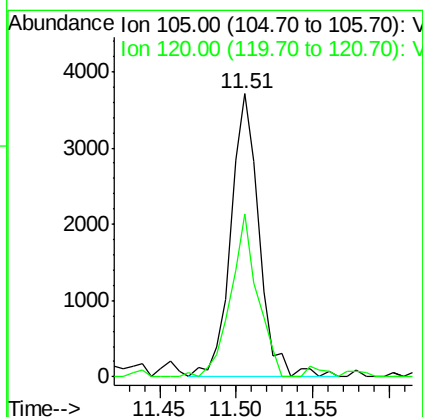
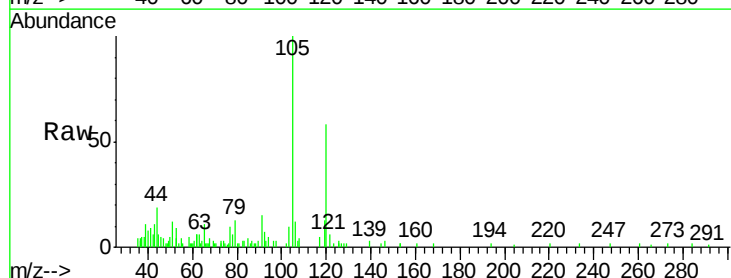
Acq: 25 Jan 2019 18:28

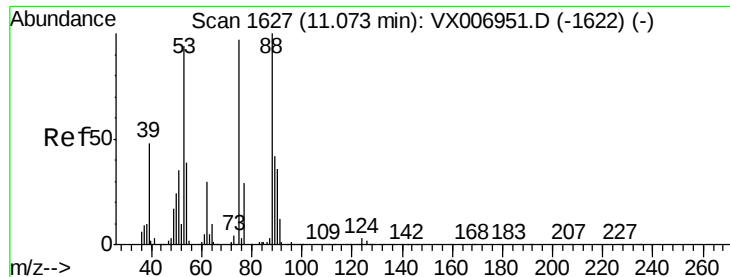
Tgt Ion:105 Resp: 4750

Ion Ratio Lower Upper

105 100

120 54.8 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 65.442 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007236.D

Acq: 25 Jan 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

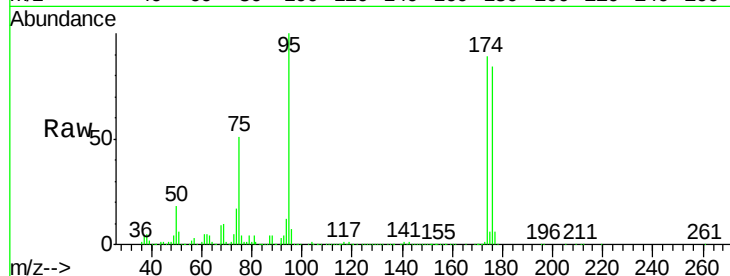
Tot Ion: 75 Resp: 172944

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

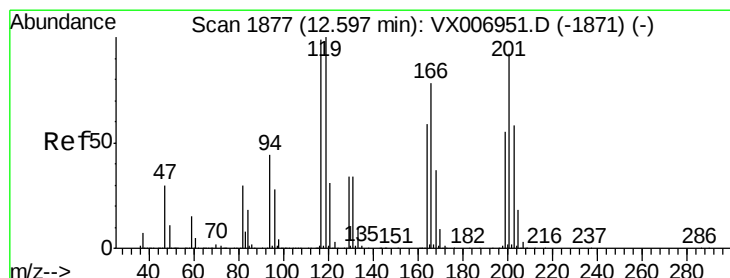
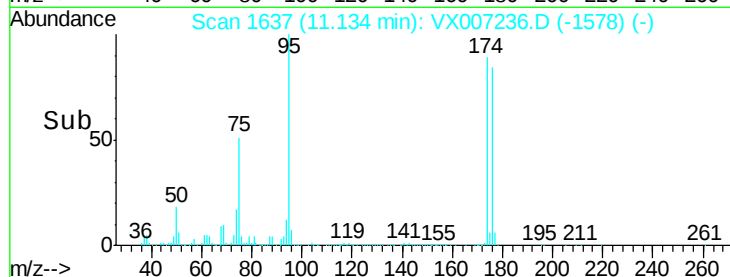
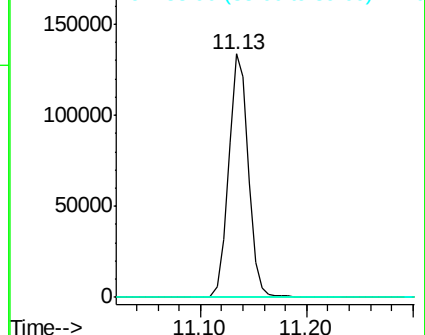
89 0.1 38.0 57.0#



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



#90

Hexachloroethane

Concen: 2.915 ug/l

RT: 12.63 min Scan# 1883

Delta R.T. 0.04 min

Lab File: VX007236.D

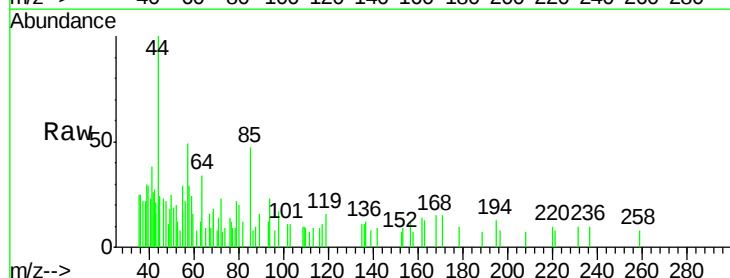
Acq: 25 Jan 2019 18:28

Tgt Ion: 117 Resp: 29

Ion Ratio Lower Upper

117 100

201 120.7 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

