

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122818\
 Data File : VX006862.D
 Acq On : 28 Dec 2018 15:40
 Operator : JC/MD
 Sample : J6447-02ME
 Misc : 2.12g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-SS024-0006-01ME

Quant Time: Dec 28 23:00:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	569806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	845801	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	774525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	408768	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	280993	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	
35) Dibromofluoromethane	5.50	113	238131	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	
50) Toluene-d8	8.71	98	987841	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.14	95	365006	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

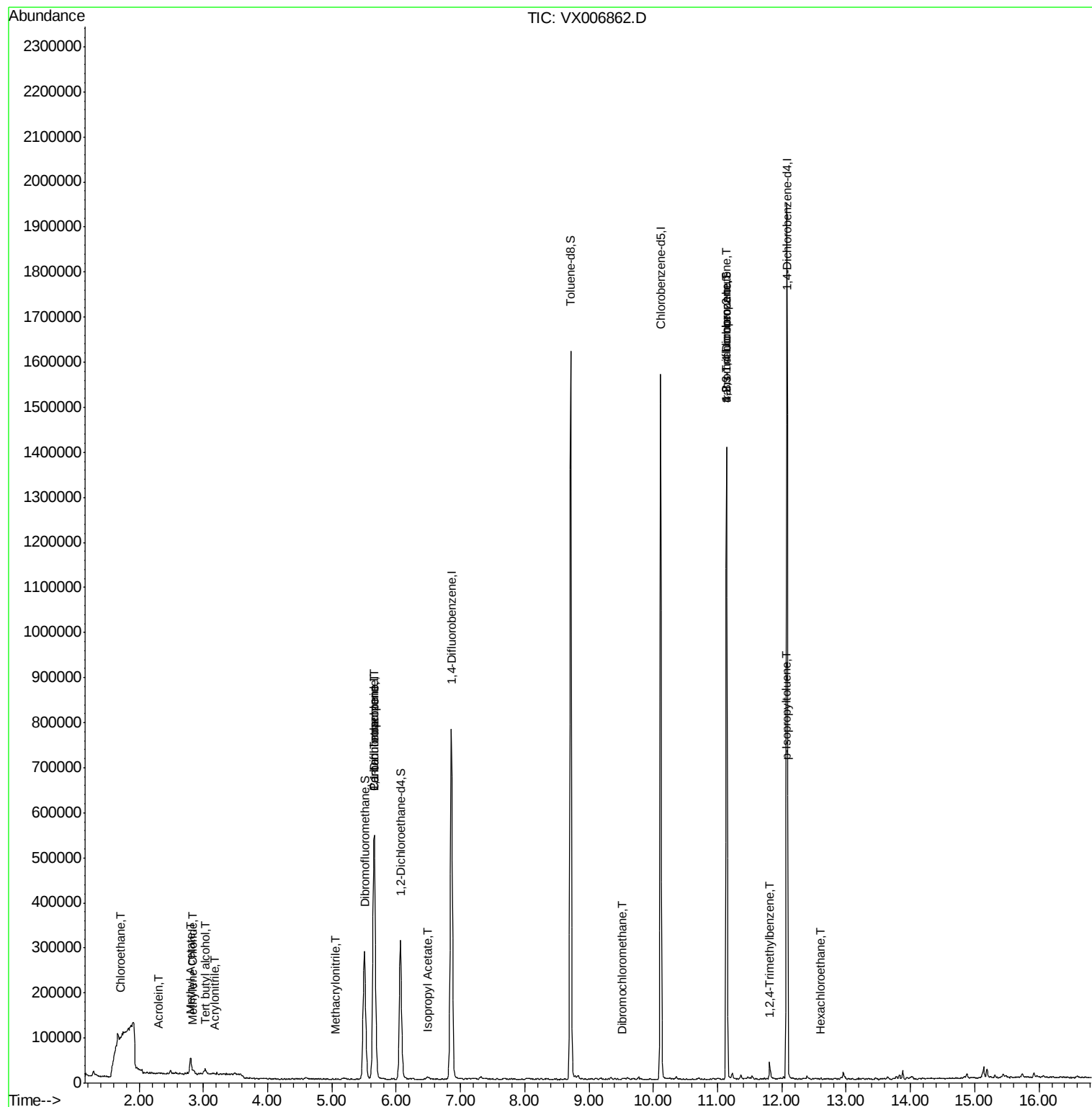
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1583	Below Cal		89
6) Chloroethane	1.70	64	878	0.216	ug/l #	59
11) Tert butyl alcohol	3.03	59	4986	3.638	ug/l	95
13) Acrolein	2.30	56	243	0.263	ug/l #	13
15) Acrylonitrile	3.18	53	1108	0.364	ug/l #	61
18) Methyl Acetate	2.80	43	48628	5.861	ug/l	99
20) Methylene Chloride	2.84	84	4009	0.687	ug/l	93
28) Bromochloromethane	5.00	49	237	Below Cal	#	34
36) 1,1-Dichloropropene	5.66	75	35105	5.011	ug/l #	49
38) Carbon Tetrachloride	5.65	117	49667	7.295	ug/l #	13
41) Methacrylonitrile	5.06	41	788	0.204	ug/l #	61
43) Isopropyl Acetate	6.48	43	3444	0.310	ug/l #	65
49) 1,4-Dioxane	7.75	88	133	Below Cal	#	1
60) Dibromochloromethane	9.51	129	33	2.330	ug/l	86
76) 1,2,3-Trichloropropane	11.14	75	171044	22.516	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	171044	66.954	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	12849	0.530	ug/l #	36
86) p-Isopropyltoluene	12.06	119	8911	0.359	ug/l #	81
90) Hexachloroethane	12.60	117	208	3.343	ug/l #	6

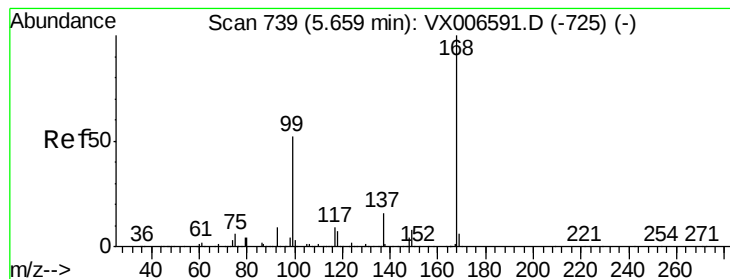
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
P001-SS024-0006-01ME

Quant Time: Dec 28 23:00:02 2018
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

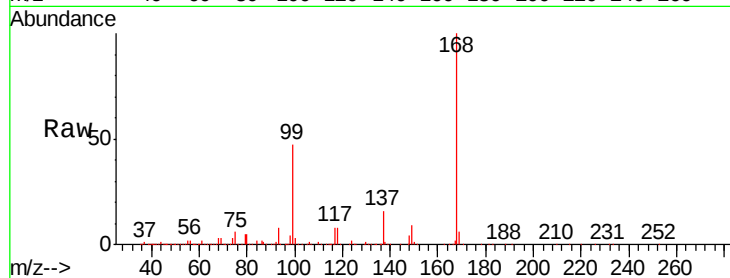
P001-SS024-0006-01ME

Tgt Ion:168 Resp: 569806

Ion Ratio Lower Upper

168 100

99 47.2 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

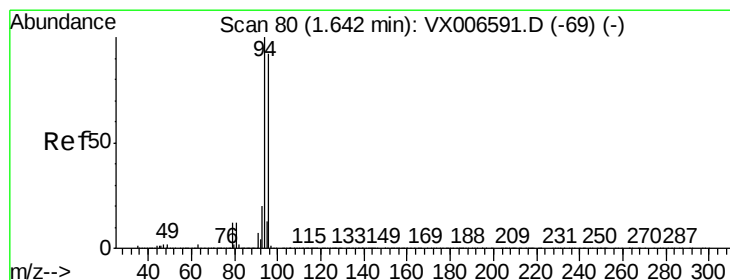
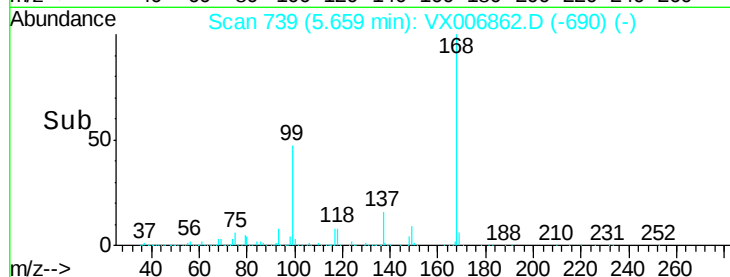
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006862.D

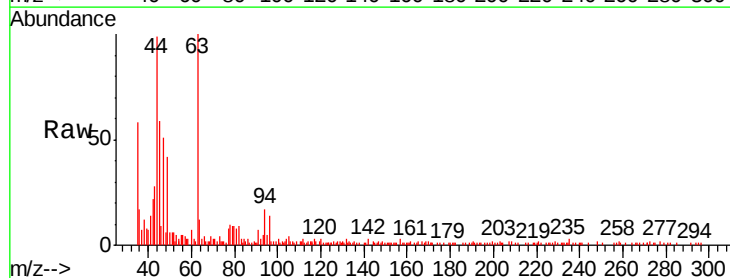
Acq: 28 Dec 2018 15:40

Tgt Ion: 94 Resp: 1583

Ion Ratio Lower Upper

94 100

96 81.7 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

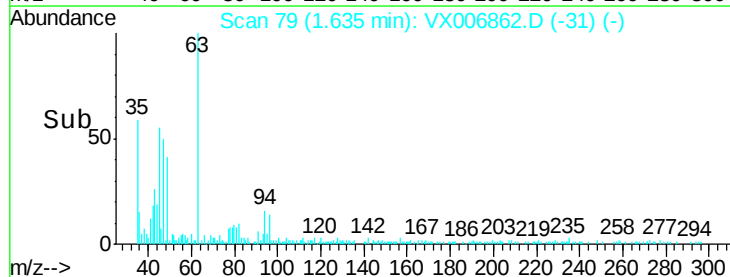
1500

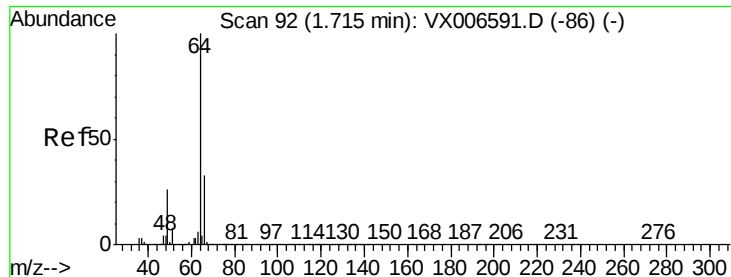
1000

500

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.216 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

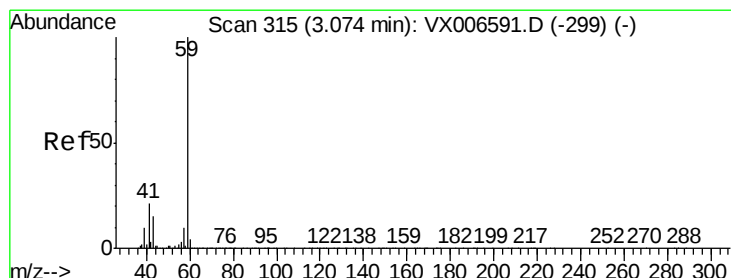
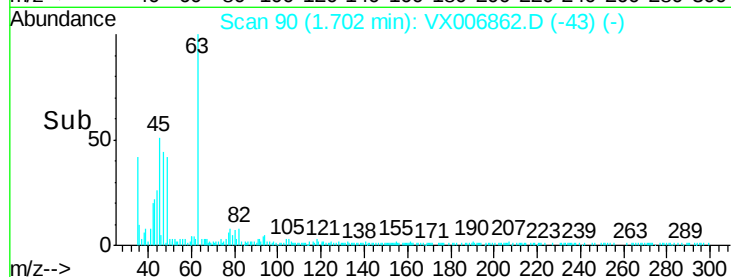
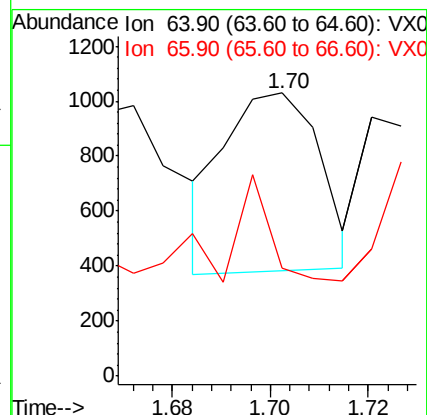
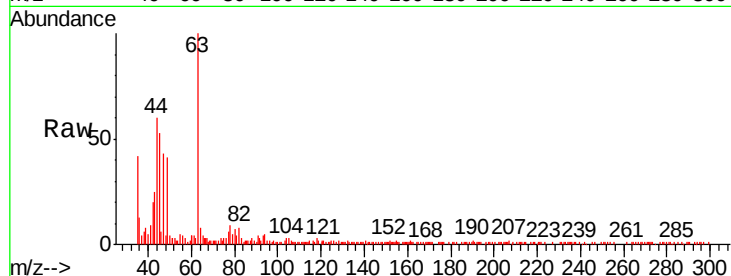
P001-SS024-0006-01ME

Tgt Ion: 64 Resp: 878

Ion Ratio Lower Upper

64 100

66 9.9 26.4 39.6#



#11

Tert butyl alcohol

Concen: 3.638 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006862.D

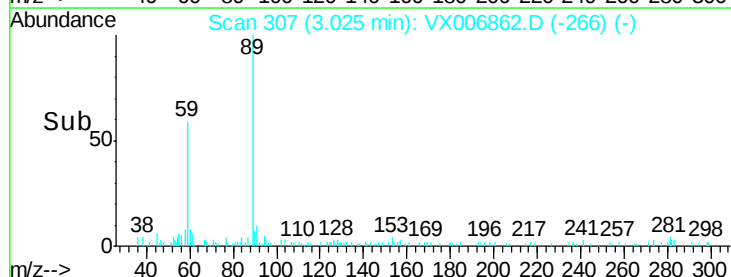
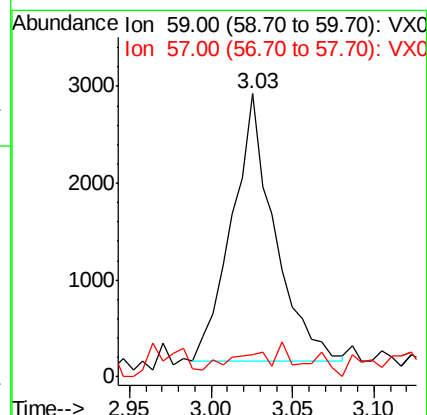
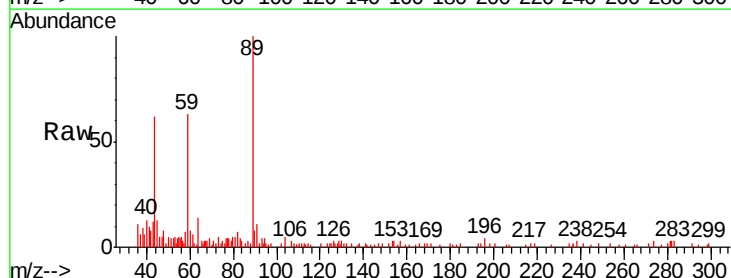
Acq: 28 Dec 2018 15:40

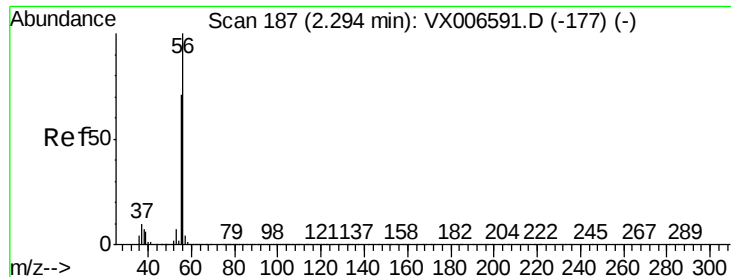
Tgt Ion: 59 Resp: 4986

Ion Ratio Lower Upper

59 100

57 8.7 8.5 12.7

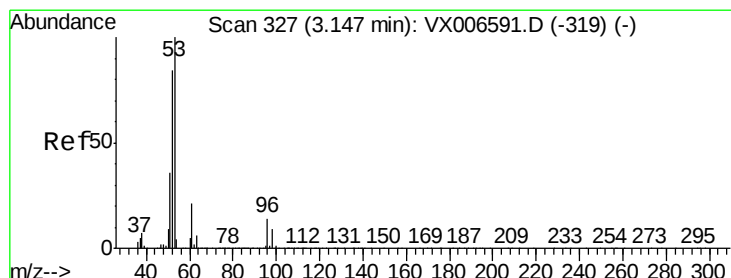
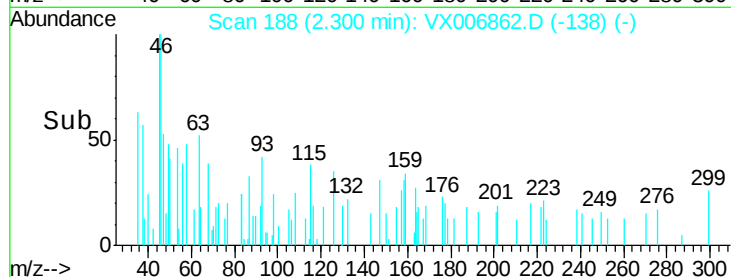
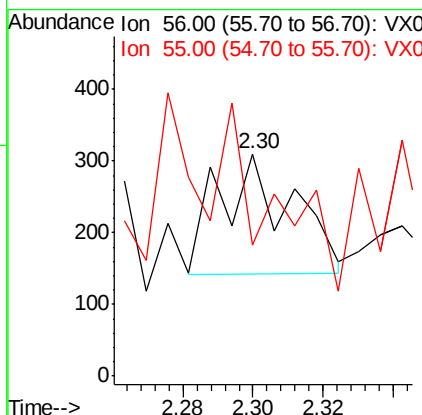
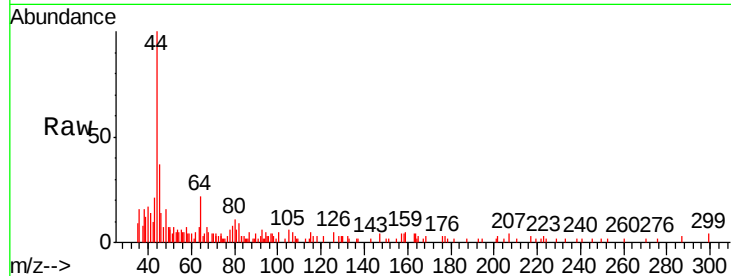




#13
Acrolein
Concen: 0.263 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006862.D
Acq: 28 Dec 2018 15:40

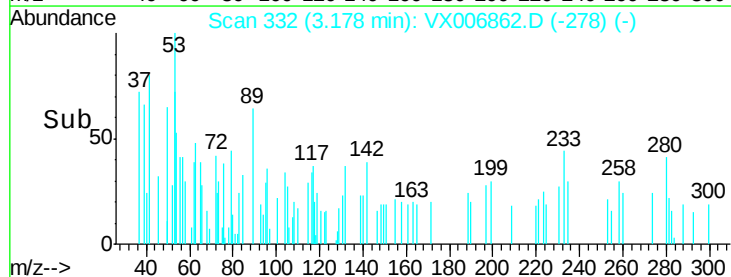
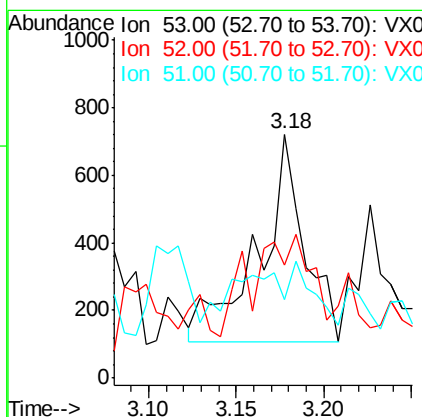
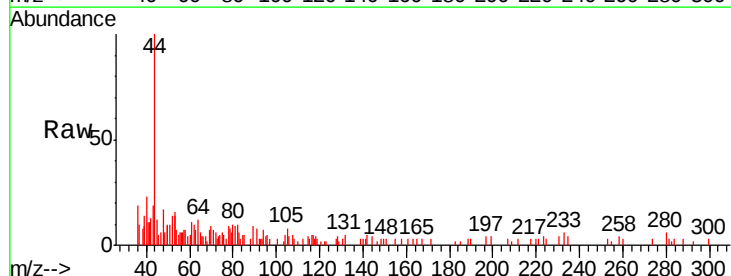
Instrument :
MSVOA_X
ClientSampleId :
P001-SS024-0006-01ME

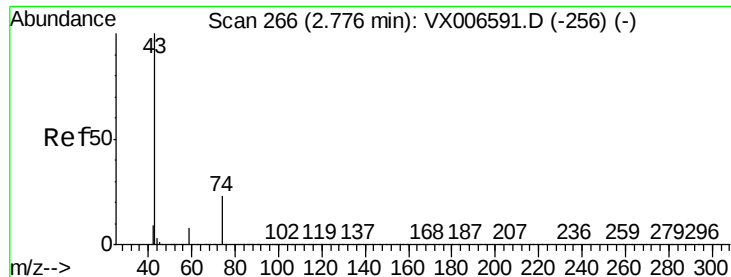
Tgt Ion: 56 Resp: 243
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#



#15
Acrylonitrile
Concen: 0.364 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.03 min
Lab File: VX006862.D
Acq: 28 Dec 2018 15:40

Tgt Ion: 53 Resp: 1108
Ion Ratio Lower Upper
53 100
52 44.2 66.0 99.0#
51 18.4 28.6 42.8#

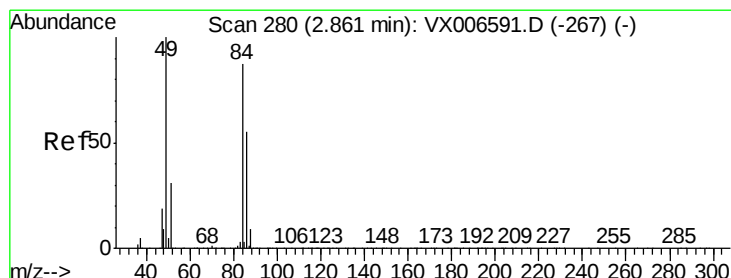
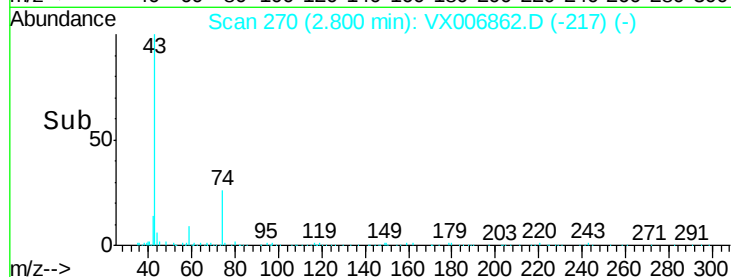
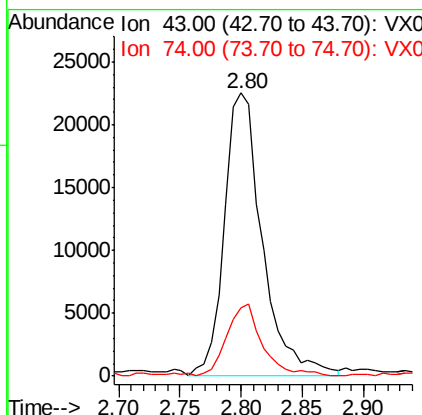
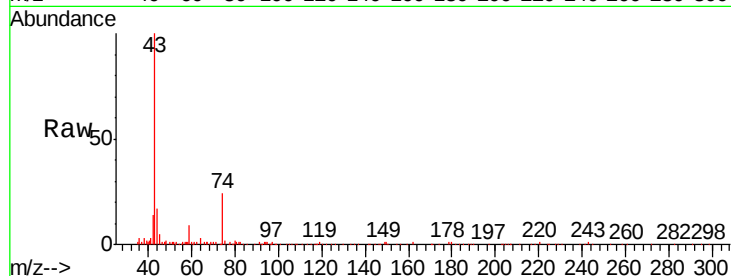




#18
Methyl Acetate
Concen: 5.861 ug/l
RT: 2.80 min Scan# 270
Delta R.T. 0.02 min
Lab File: VX006862.D
Acq: 28 Dec 2018 15:40

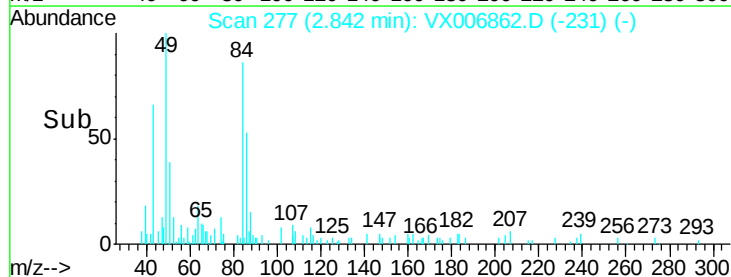
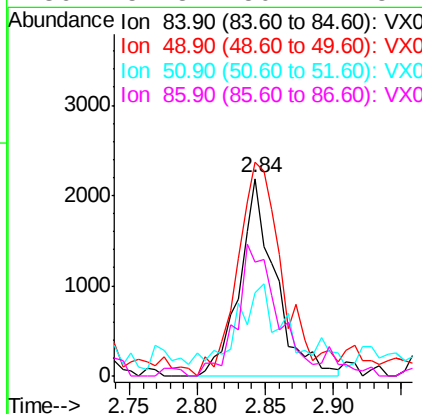
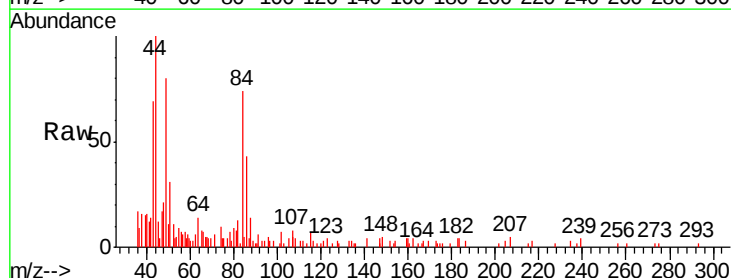
Instrument :
MSVOA_X
ClientSampleId :
P001-SS024-0006-01ME

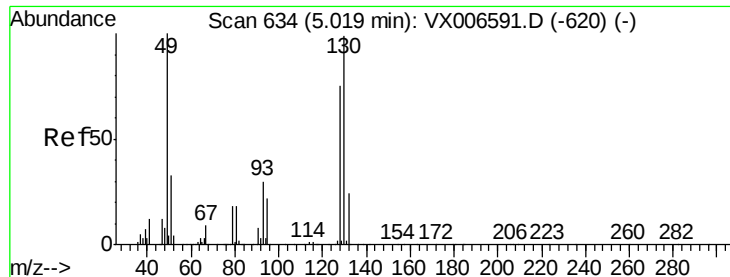
Tgt Ion: 43 Resp: 48628
Ion Ratio Lower Upper
43 100
74 23.9 18.6 28.0



#20
Methylene Chloride
Concen: 0.687 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX006862.D
Acq: 28 Dec 2018 15:40

Tgt Ion: 84 Resp: 4009
Ion Ratio Lower Upper
84 100
49 104.6 91.8 137.6
51 36.5 28.5 42.7
86 57.8 50.2 75.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.02 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

P001-SS024-0006-01ME

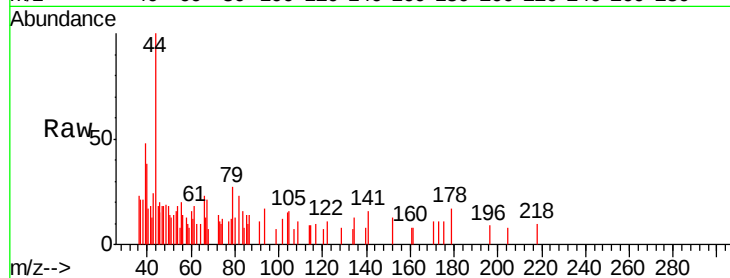
Tgt Ion: 49 Resp: 237

Ion Ratio Lower Upper

49 100

129 47.3 0.0 5.4#

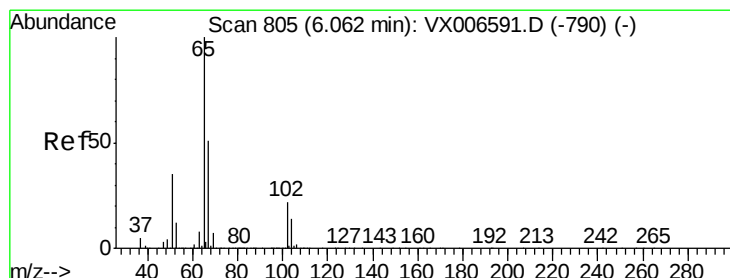
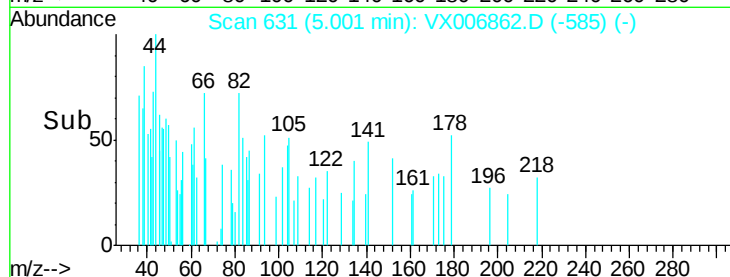
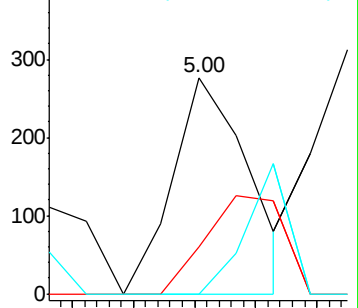
130 33.8 77.7 116.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 45.756 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006862.D

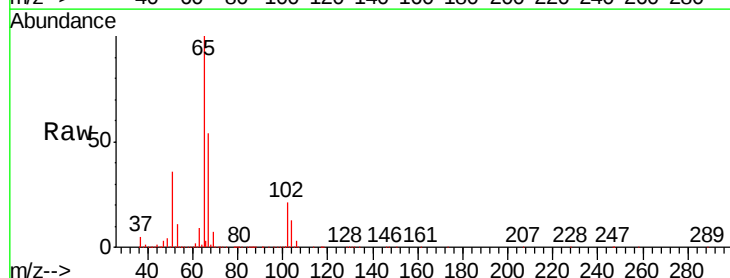
Acq: 28 Dec 2018 15:40

Tgt Ion: 65 Resp: 280993

Ion Ratio Lower Upper

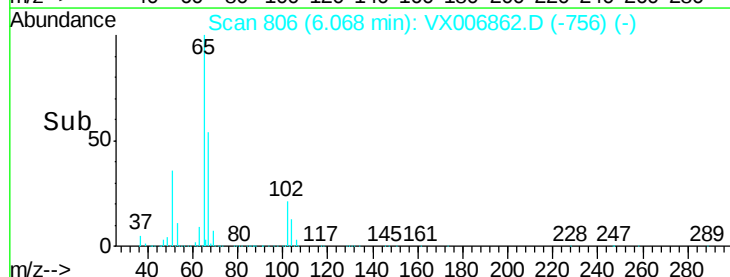
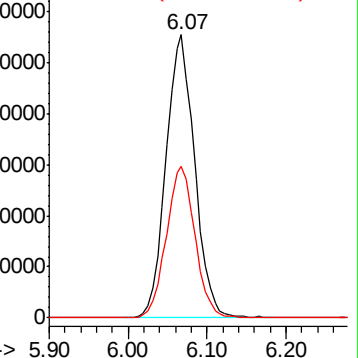
65 100

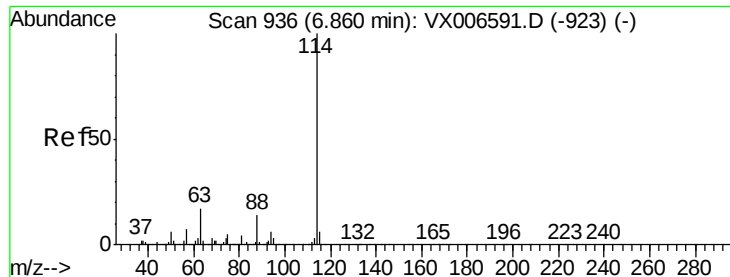
67 53.1 0.0 105.0



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: VX006862.D

Acq: 28 Dec 2018 15:40

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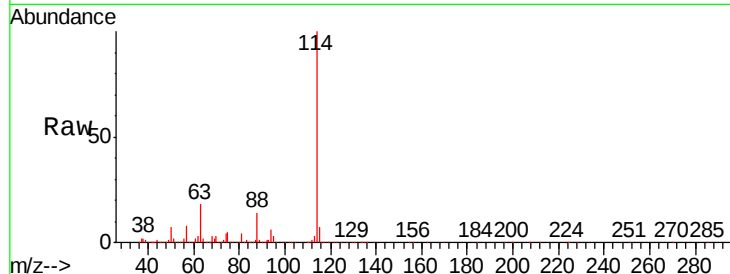
Tgt Ion:114 Resp: 845801

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.8

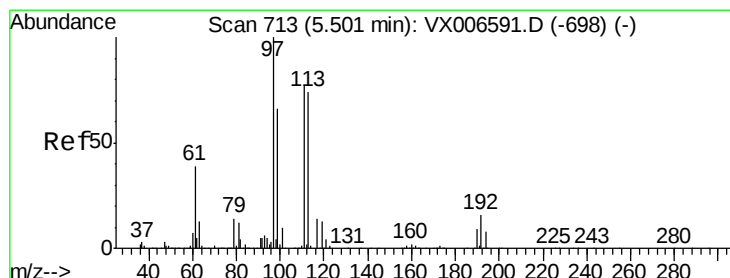
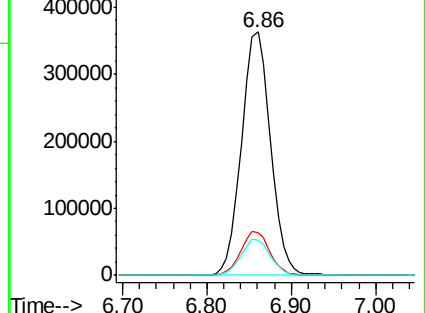
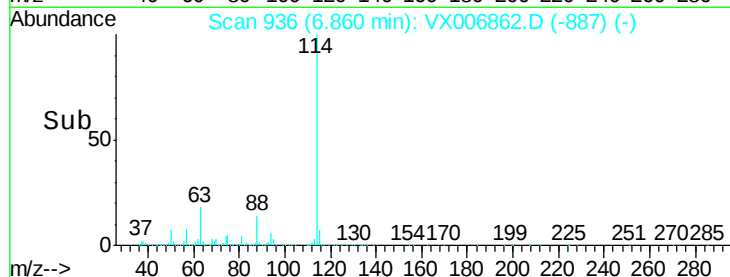
88 14.2 0.0 28.8



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: 44.521 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

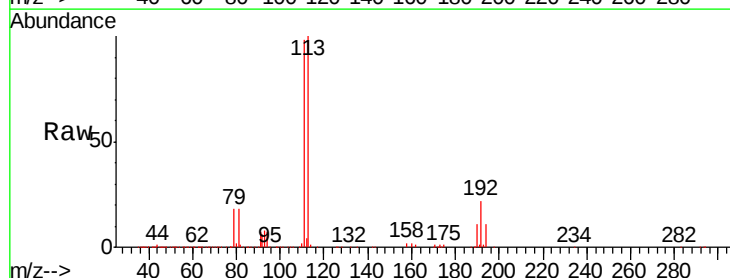
Tgt Ion:113 Resp: 238131

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

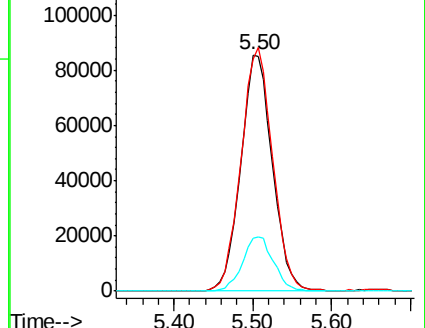
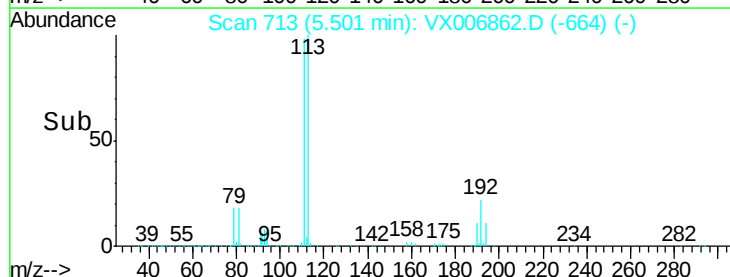
192 22.6 16.7 25.1

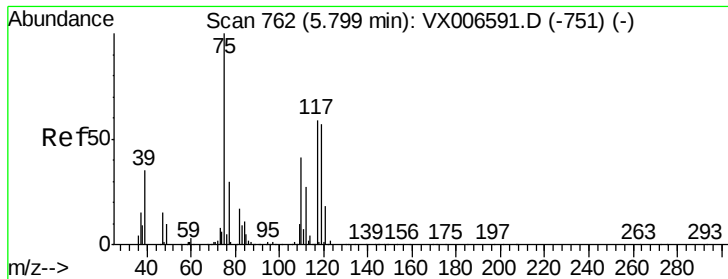


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.011 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

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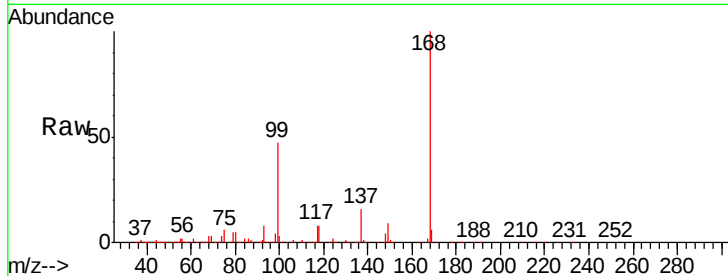
Tgt Ion: 75 Resp: 35105

Ion Ratio Lower Upper

75 100

110 11.1 20.2 60.5#

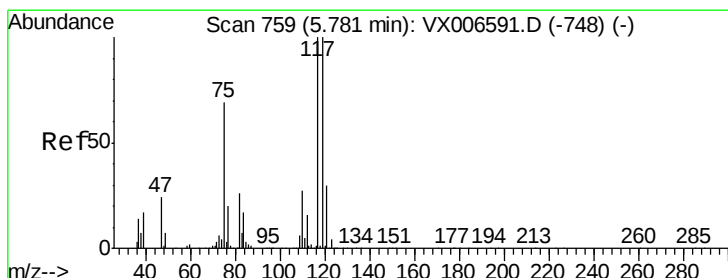
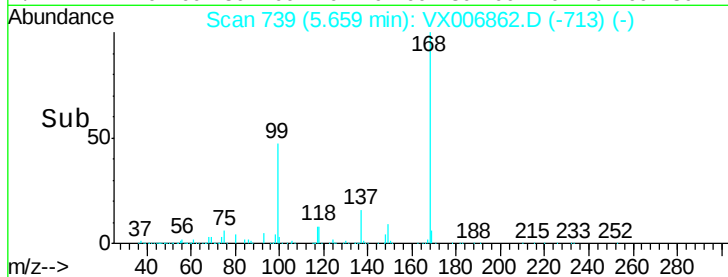
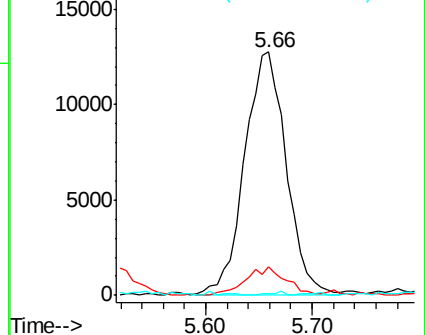
77 0.5 24.8 37.2#



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: 7.295 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

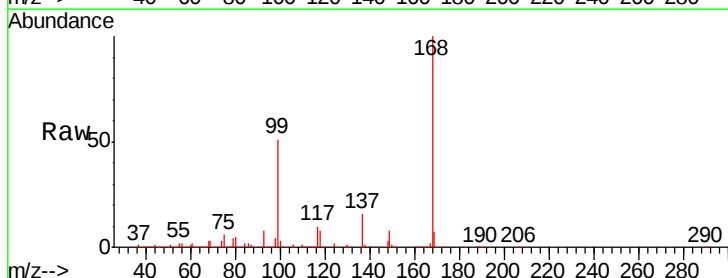
Tgt Ion: 117 Resp: 49667

Ion Ratio Lower Upper

117 100

119 3.3 79.4 119.2#

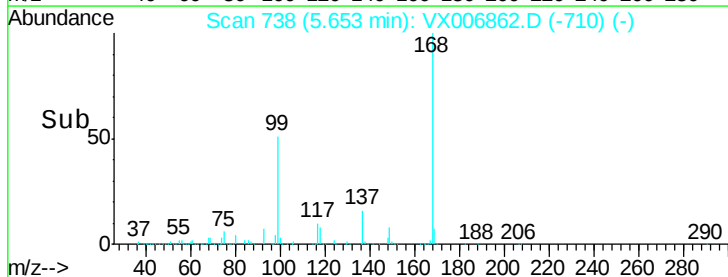
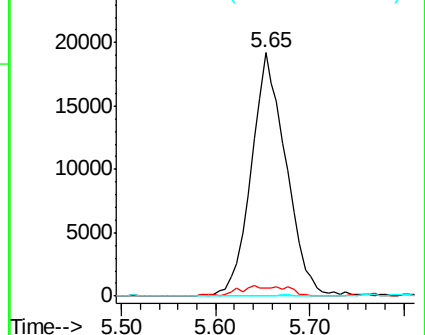
121 0.0 24.0 36.0#

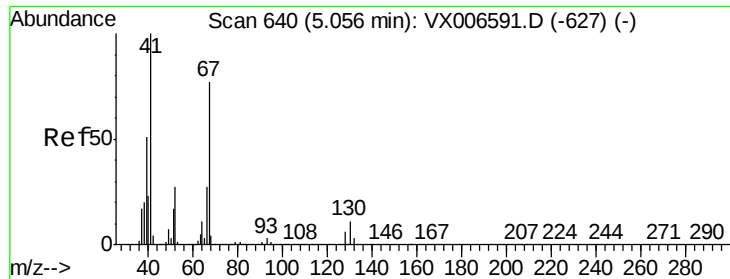


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 0.204 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

P001-SS024-0006-01ME

Tgt Ion: 41 Resp: 788

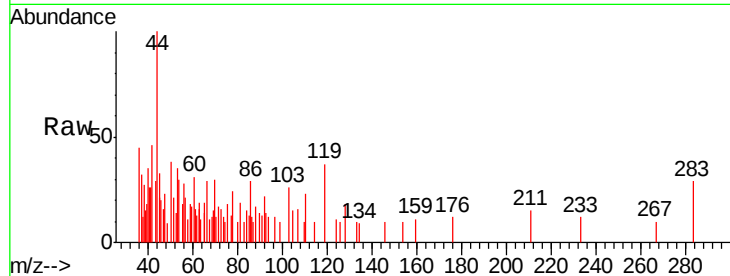
Ion Ratio Lower Upper

41 100

39 51.6 42.8 64.2

67 11.7 62.1 93.1#

52 34.5 23.4 35.0

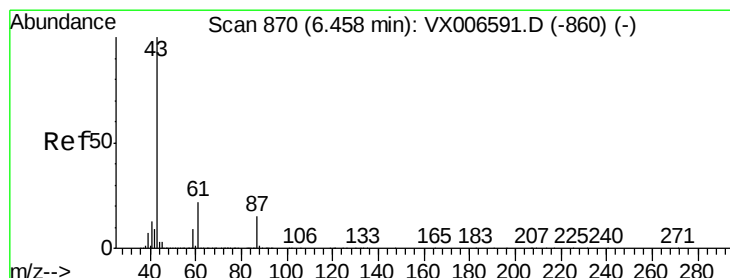
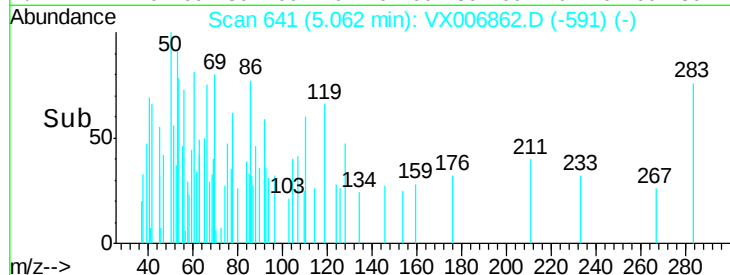
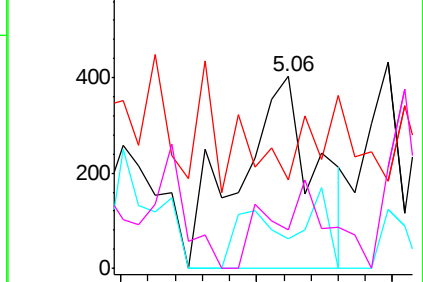


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#43

Isopropyl Acetate

Concen: 0.310 ug/l

RT: 6.48 min Scan# 873

Delta R.T. 0.02 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

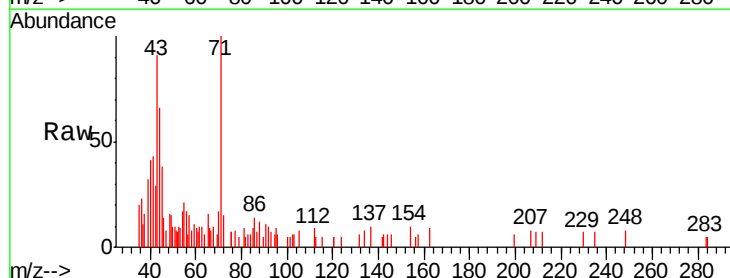
Tgt Ion: 43 Resp: 3444

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

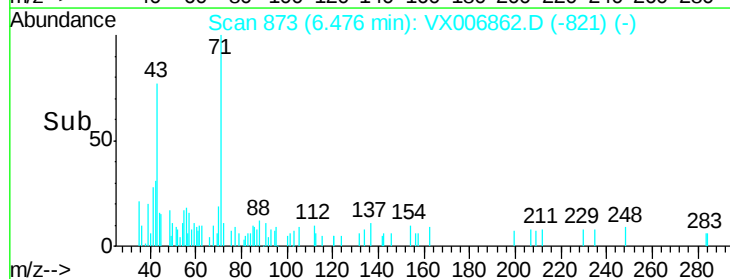
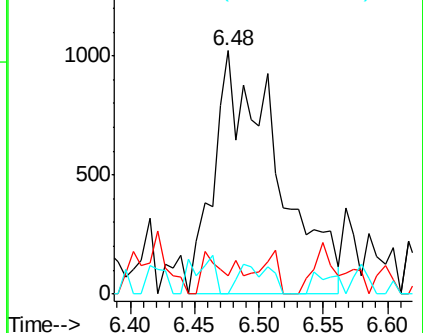
87 6.1 12.4 18.6#

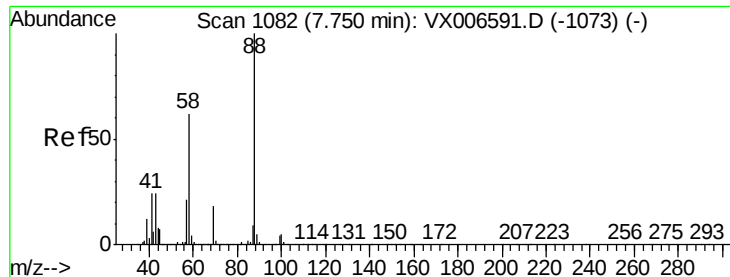


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

P001-SS024-0006-01ME

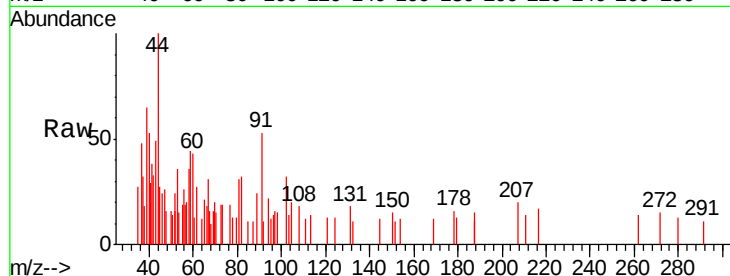
Tgt Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

43 303.8 22.2 33.4#

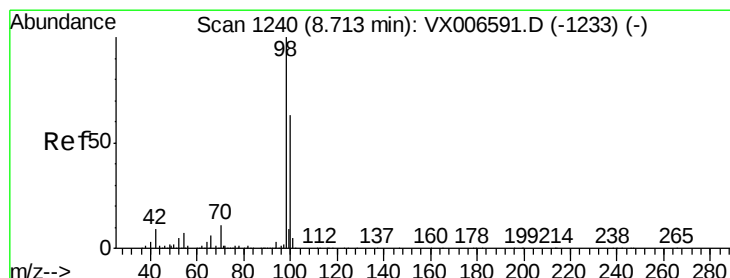
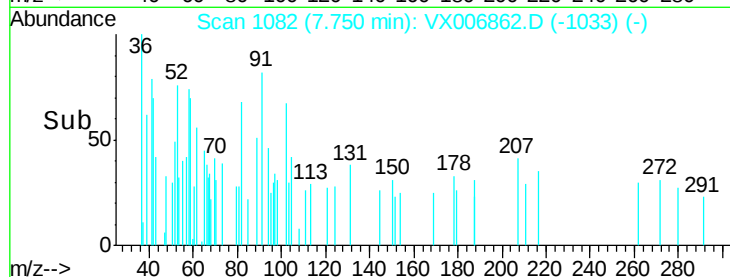
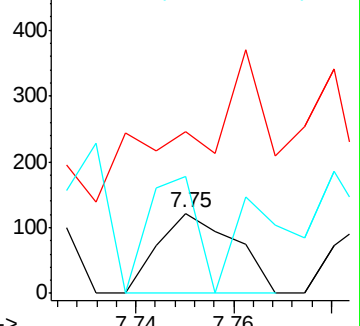
58 93.2 51.0 76.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.989 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006862.D

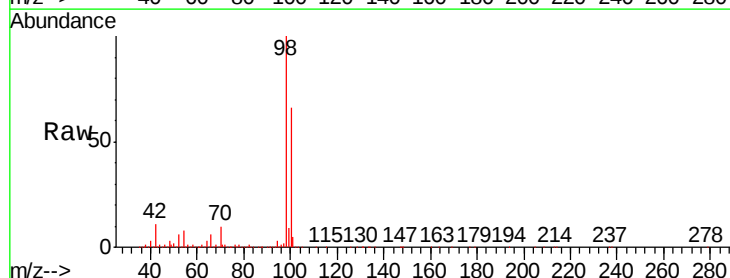
Acq: 28 Dec 2018 15:40

Tgt Ion: 98 Resp: 987841

Ion Ratio Lower Upper

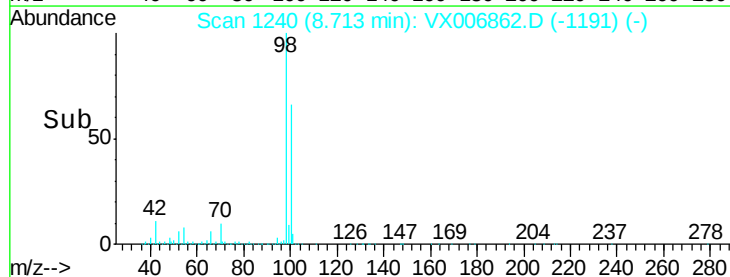
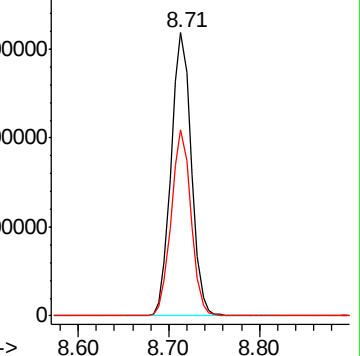
98 100

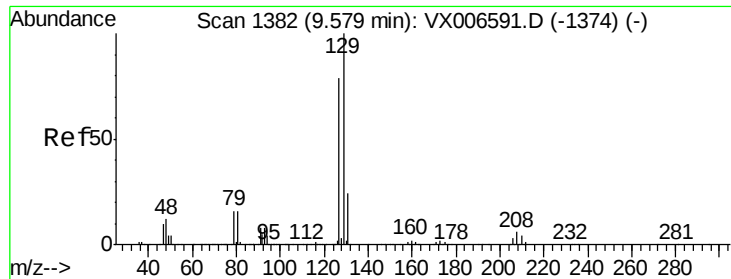
100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.330 ug/l

RT: 9.51 min Scan# 1371

Delta R.T. -0.07 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

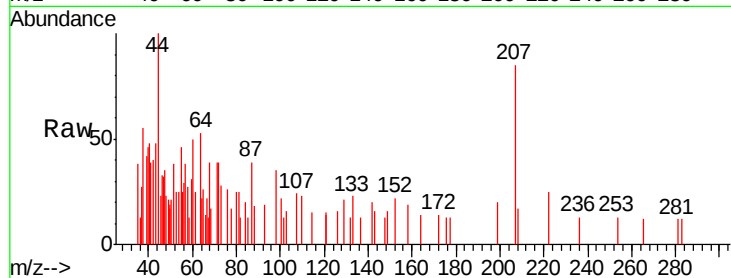
P001-SS024-0006-01ME

Tgt Ion: 129 Resp: 33

Ion Ratio Lower Upper

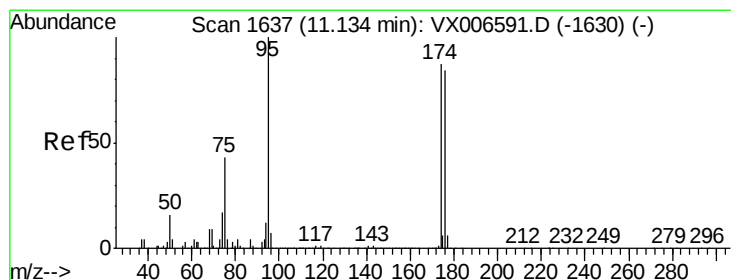
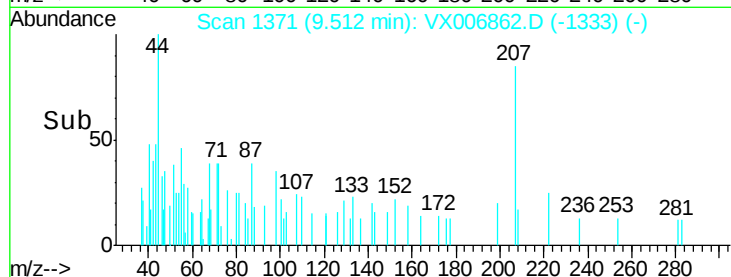
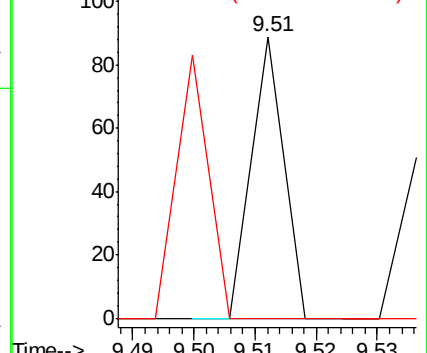
129 100

127 90.9 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.424 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

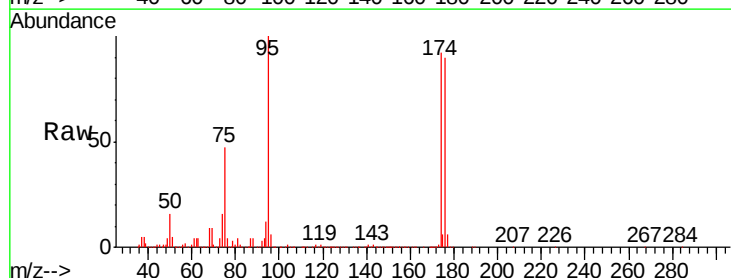
Tgt Ion: 95 Resp: 365006

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.2

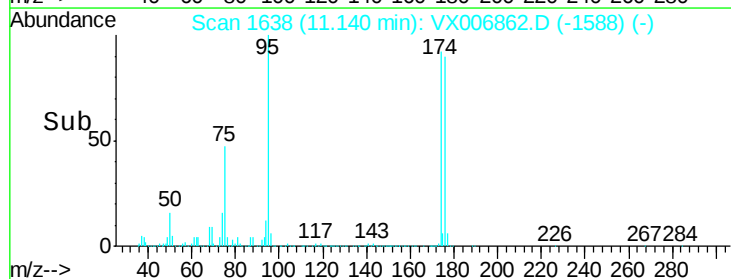
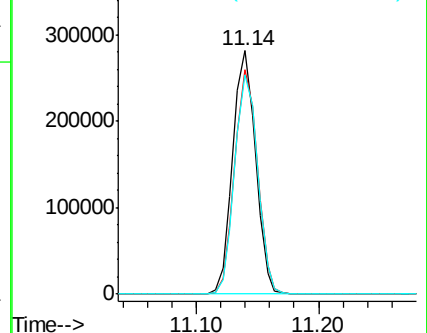
176 90.8 0.0 178.8

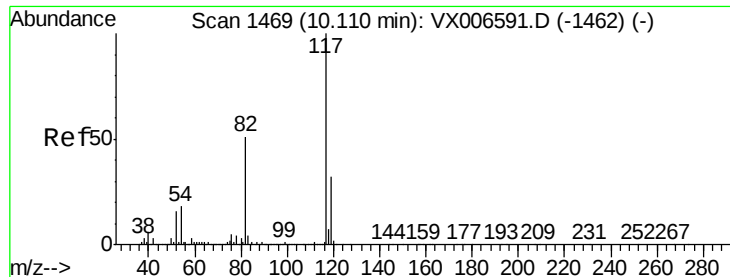


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

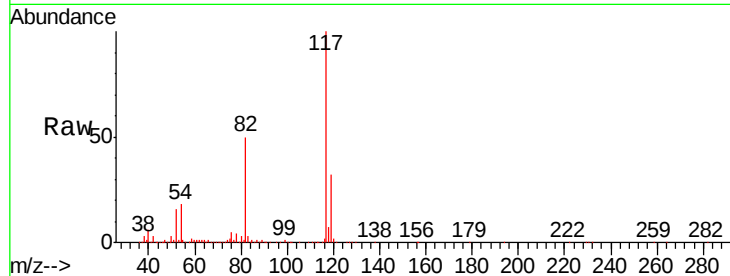




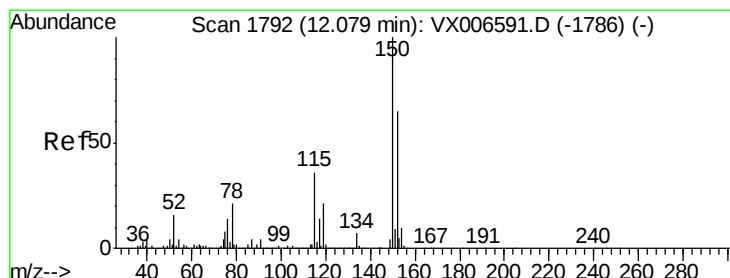
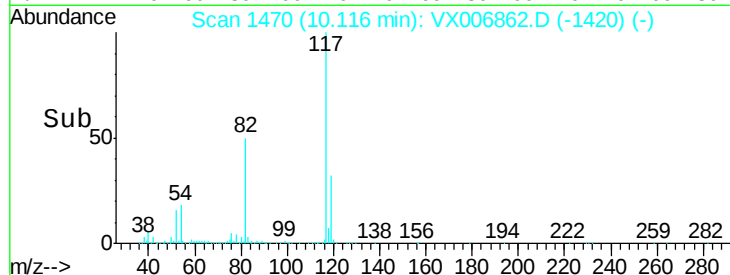
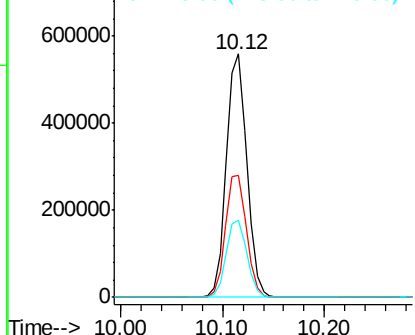
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006862.D
Acq: 28 Dec 2018 15:40

Instrument :
MSVOA_X
ClientSampleId :
P001-SS024-0006-01ME

Tgt Ion:117 Resp: 774525
Ion Ratio Lower Upper
117 100
82 50.0 41.0 61.6
119 31.9 25.4 38.0

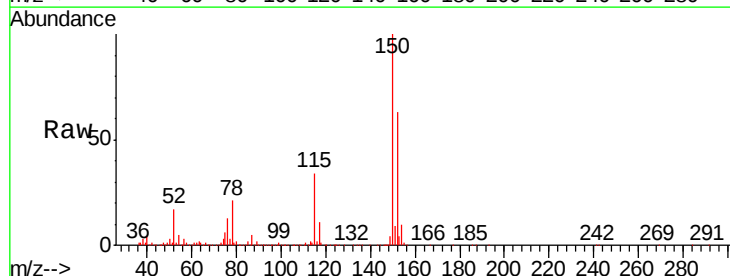


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

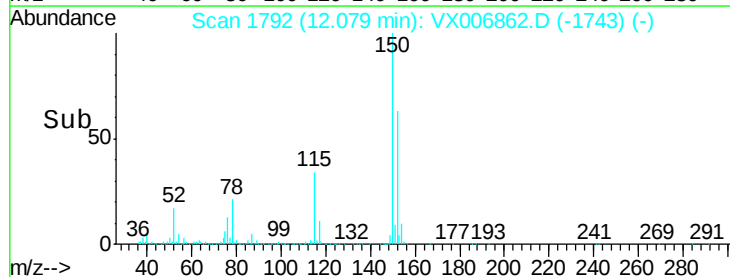
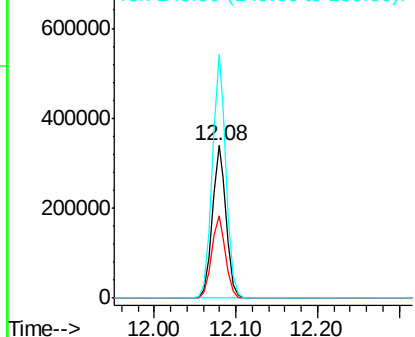


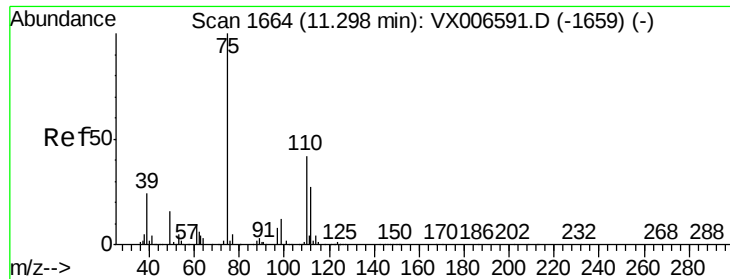
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006862.D
Acq: 28 Dec 2018 15:40

Tgt Ion:152 Resp: 408768
Ion Ratio Lower Upper
152 100
115 54.5 39.1 117.2
150 157.9 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: 22.516 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

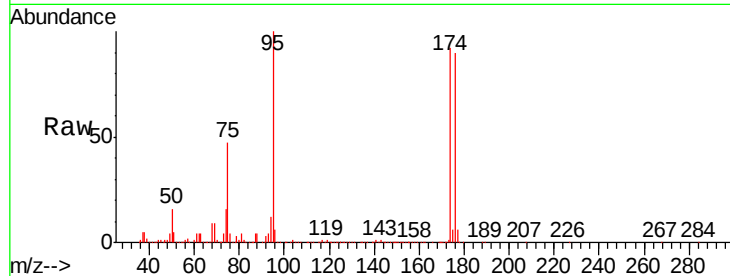
P001-SS024-0006-01ME

Tgt Ion: 75 Resp: 171044

Ion Ratio Lower Upper

75 100

77 1.5 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

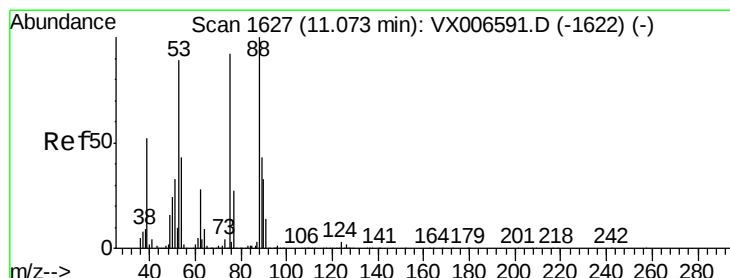
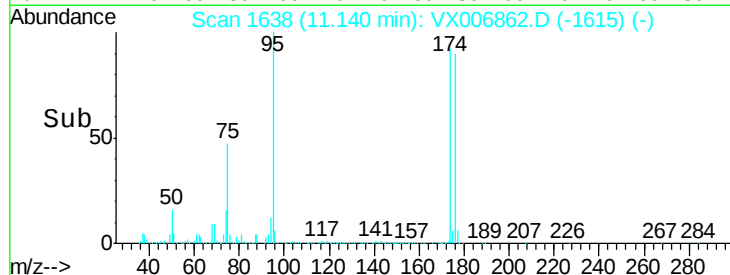
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 66.954 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

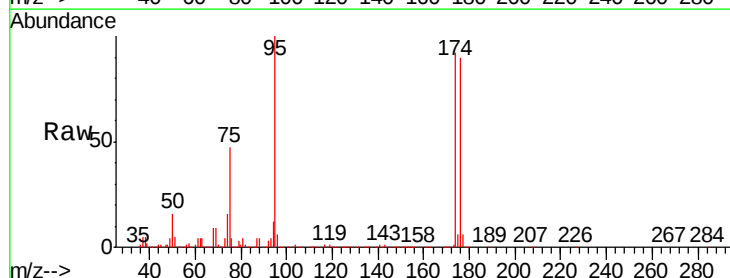
Tgt Ion: 75 Resp: 171044

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.0 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

11.14

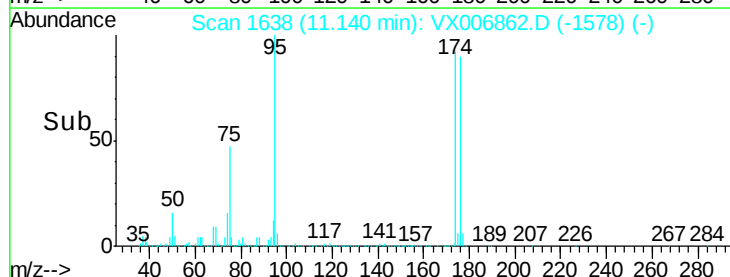
150000

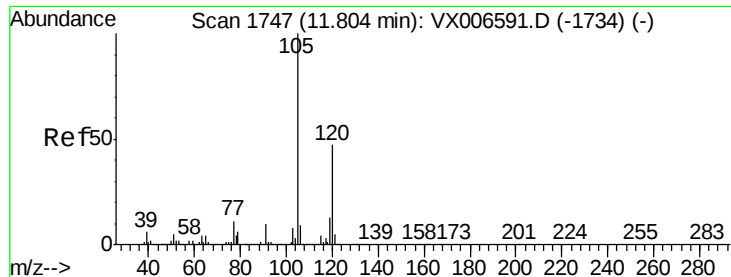
100000

50000

0

Time--> 11.05 11.10 11.15 11.20

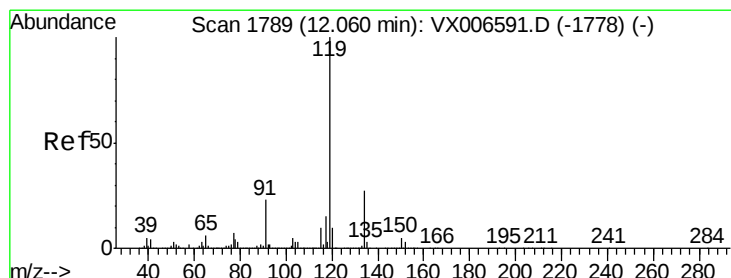
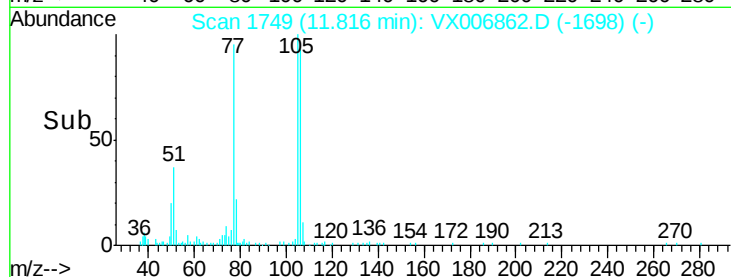
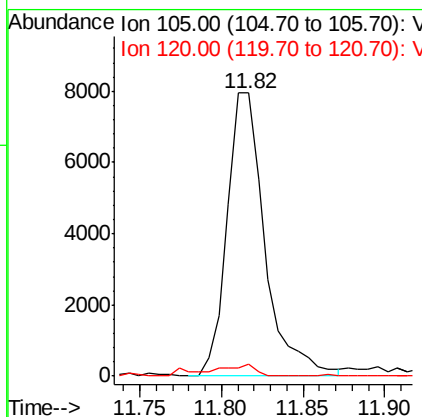
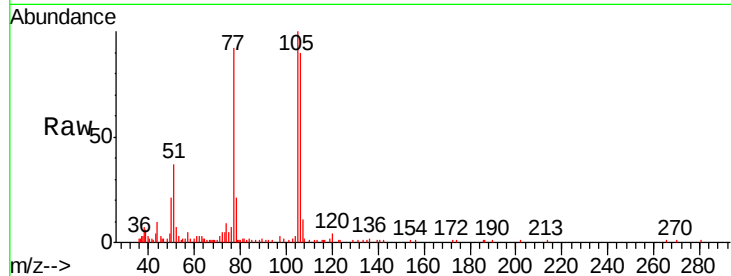




#84
 1,2,4-Trimethylbenzene
 Concen: 0.530 ug/l
 RT: 11.82 min Scan# 1749
 Delta R.T. 0.01 min
 Lab File: VX006862.D
 Acq: 28 Dec 2018 15:40

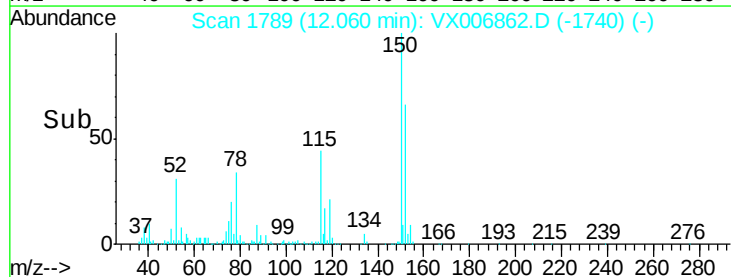
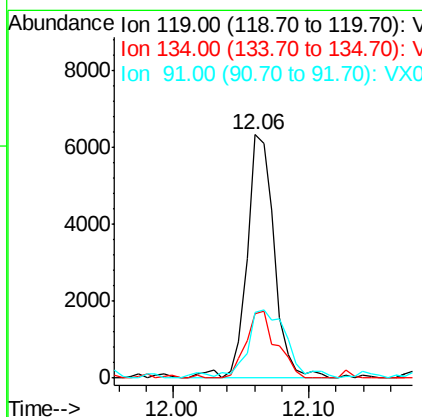
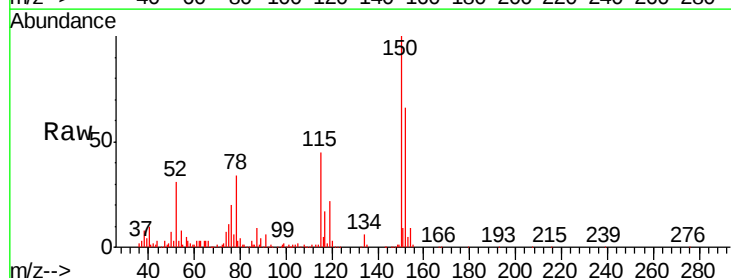
Instrument :
 MSVOA_X
 ClientSampleId :
 P001-SS024-0006-01ME

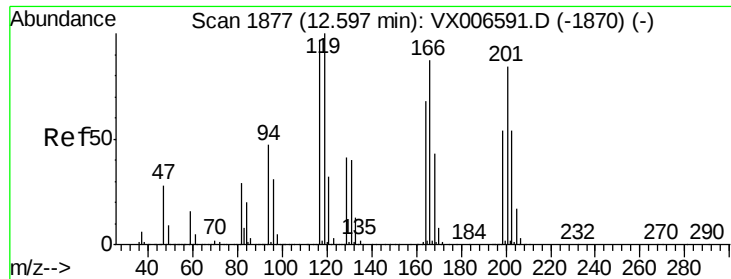
Tgt Ion:105 Resp: 12849
 Ion Ratio Lower Upper
 105 100
 120 3.6 23.2 69.6#



#86
 p-Isopropyltoluene
 Concen: 0.359 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX006862.D
 Acq: 28 Dec 2018 15:40

Tgt Ion:119 Resp: 8911
 Ion Ratio Lower Upper
 119 100
 134 30.4 14.0 41.9
 91 40.1 11.3 33.9#





#90

Hexachloroethane

Concen: 3.343 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006862.D

Acq: 28 Dec 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

P001-SS024-0006-01ME

Tgt Ion:117 Resp: 208

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#

