

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\
 Data File : VX004363.D
 Acq On : 05 Sep 2018 11:20
 Operator : JC/MD
 Sample : VX0905MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 05 14:06:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	295828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	462749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	240475	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	201073	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
35) Dibromofluoromethane	5.50	113	175920	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	8.71	98	649166	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	224648	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	

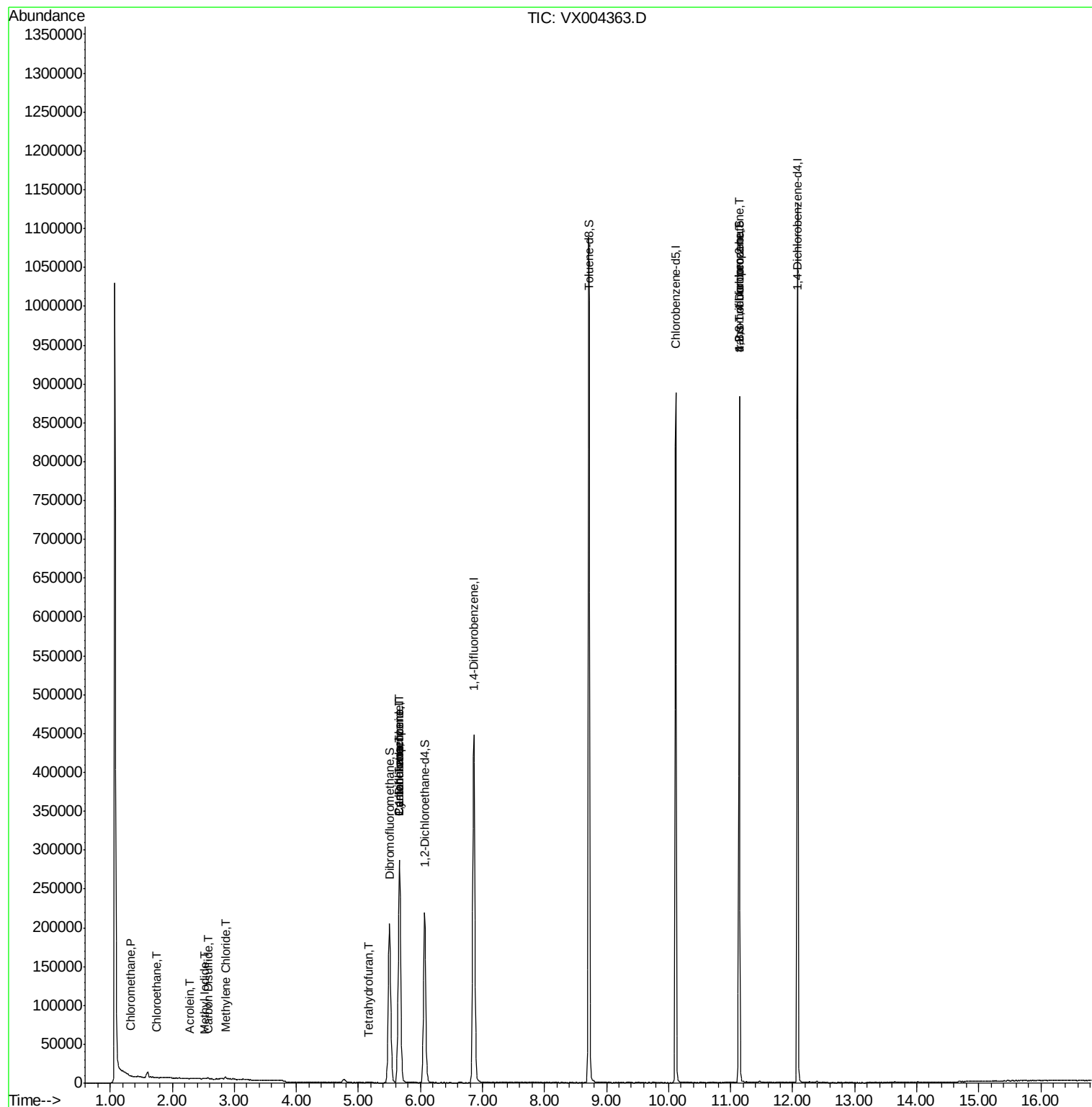
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	633	0.46	ug/l #	81
5) Bromomethane	1.65	94	828	Below Cal		99
6) Chloroethane	1.75	64	3027	1.93	ug/l #	64
10) Methyl Iodide	2.51	142	456	4.38	ug/l #	87
13) Acrolein	2.28	56	110	0.56	ug/l #	41
16) Acetone	2.45	43	612	Below Cal	#	45
17) Carbon Disulfide	2.57	76	1367	0.95	ug/l #	69
20) Methylene Chloride	2.85	84	1140	0.31	ug/l	98
25) 2-Butanone	4.73	43	155	Below Cal	#	47
29) Tetrahydrofuran	5.17	42	906	0.55	ug/l #	70
31) Cyclohexane	5.65	56	4784	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19543	3.76	ug/l #	49
38) Carbon Tetrachloride	5.66	117	25661	5.24	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	107345	21.95	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	107345	71.21	ug/l #	10
94) Hexachlorobutadiene	13.79	225	218	Below Cal		80

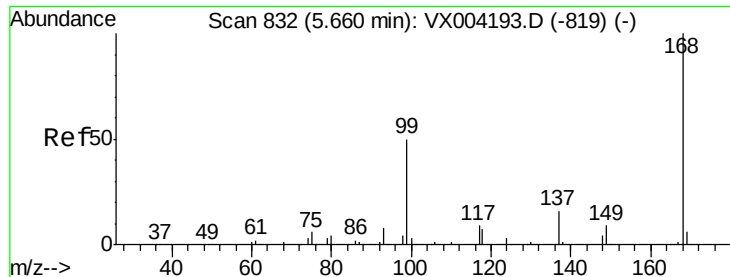
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004363.D

Acq: 05 Sep 2018 11:20

Instrument :

MSVOA_X

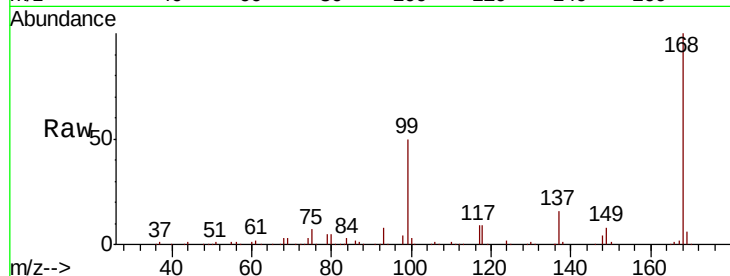
ClientSampleId :

Tot Ion:168 Resp: 295828

Ion Ratio Lower Upper

168 100

99 50.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

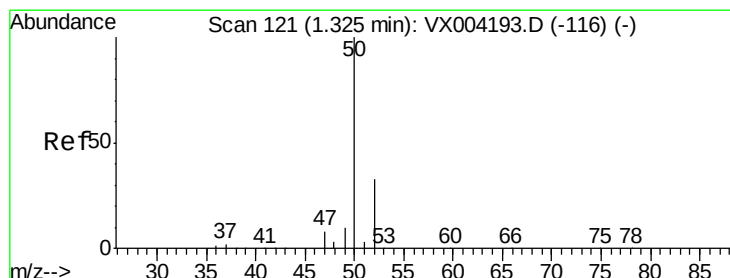
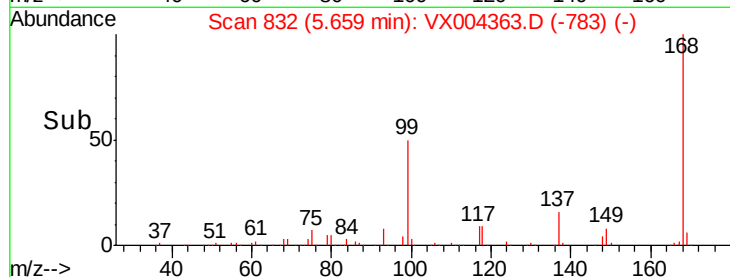
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.46 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004363.D

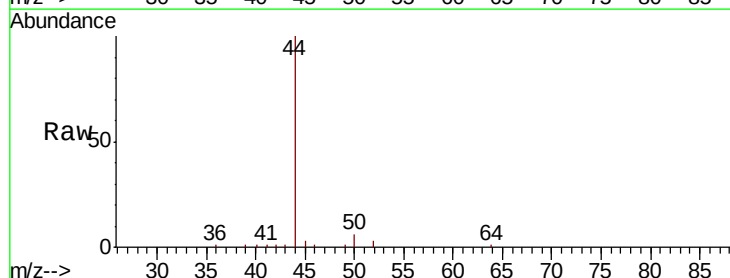
Acq: 05 Sep 2018 11:20

Tgt Ion: 50 Resp: 633

Ion Ratio Lower Upper

50 100

52 43.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

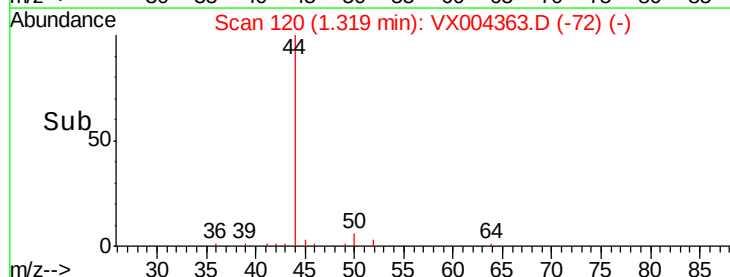
300

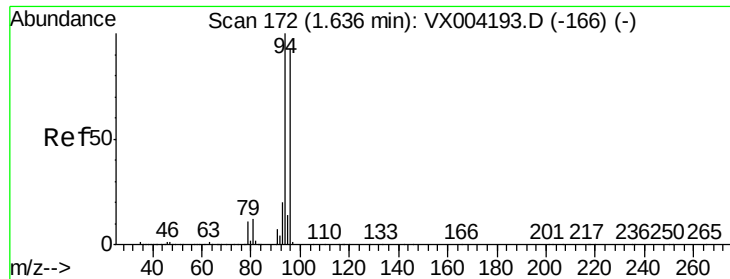
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004363.D

Acq: 05 Sep 2018 11:20

Instrument :

MSVOA_X

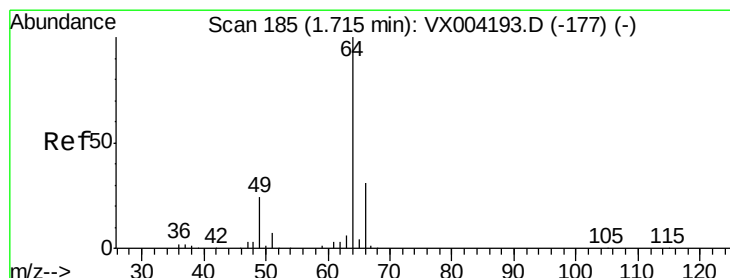
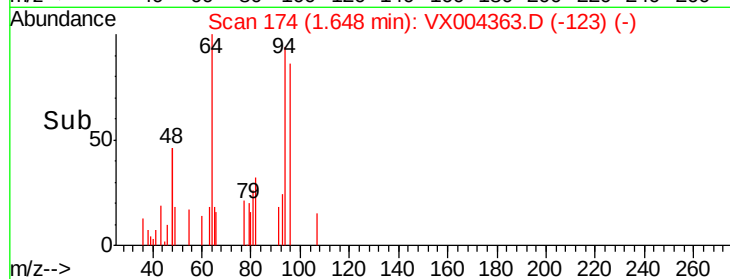
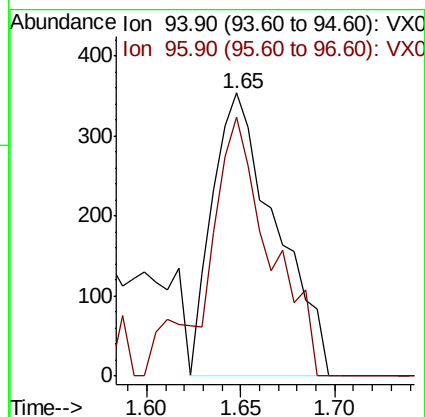
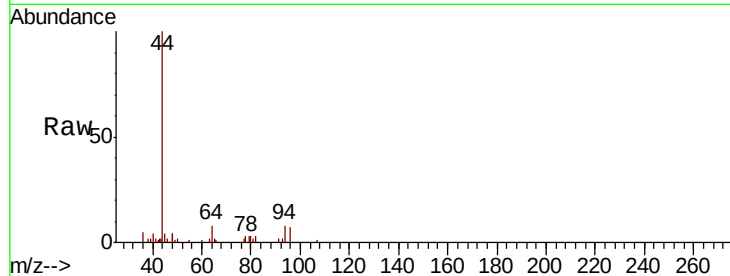
ClientSampleId :

Tot Ion: 94 Resp: 828

Ion Ratio Lower Upper

94 100

96 91.8 74.5 111.7



#6

Chloroethane

Concen: 1.93 ug/l

RT: 1.75 min Scan# 191

Delta R.T. 0.04 min

Lab File: VX004363.D

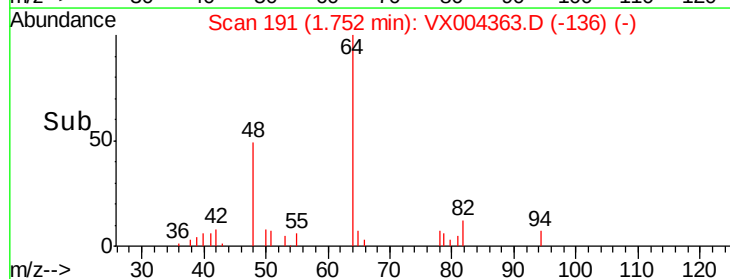
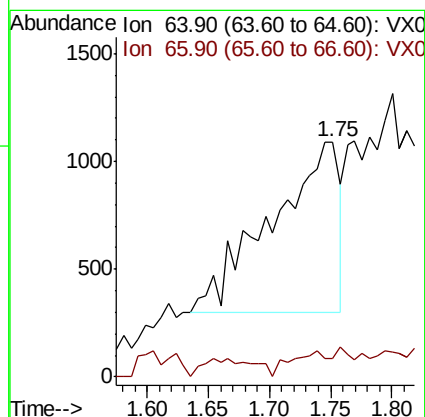
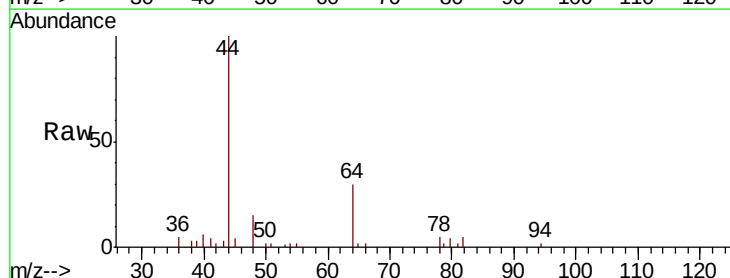
Acq: 05 Sep 2018 11:20

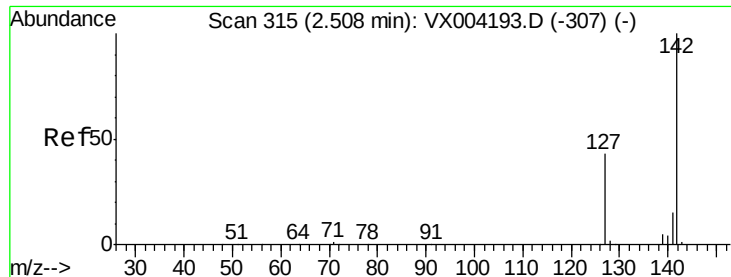
Tgt Ion: 64 Resp: 3027

Ion Ratio Lower Upper

64 100

66 11.0 24.6 36.8#

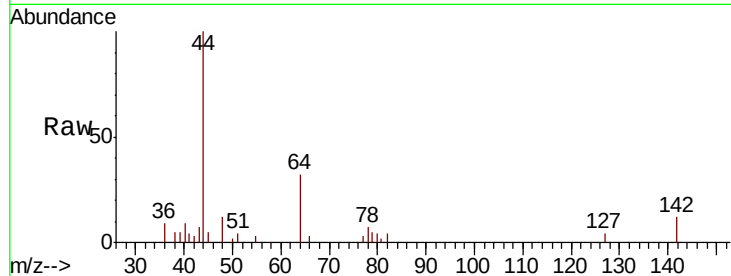




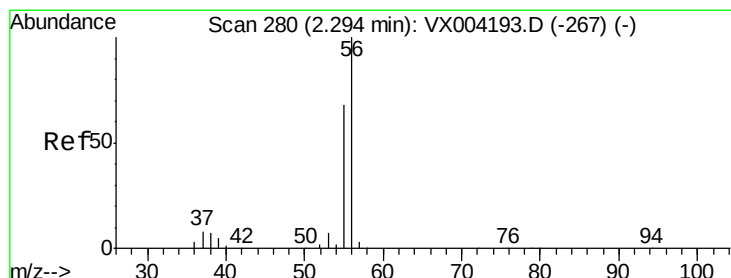
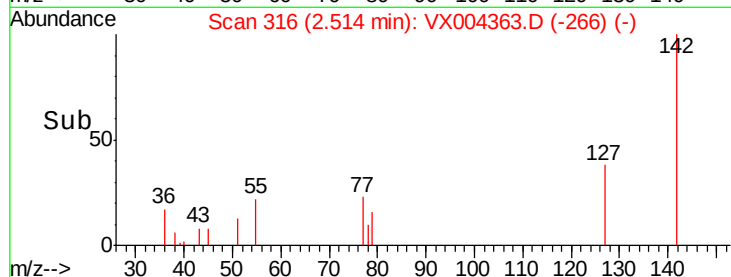
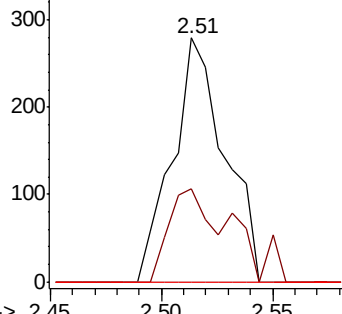
#10
Methvl Iodide
Concen: 4.38 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004363.D
Acq: 05 Sep 2018 11:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 456
Ion Ratio Lower Upper
142 100
127 46.1 33.8 50.6
141 0.0 11.4 17.0#

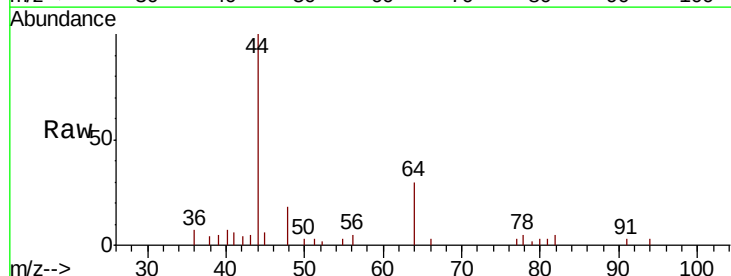


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

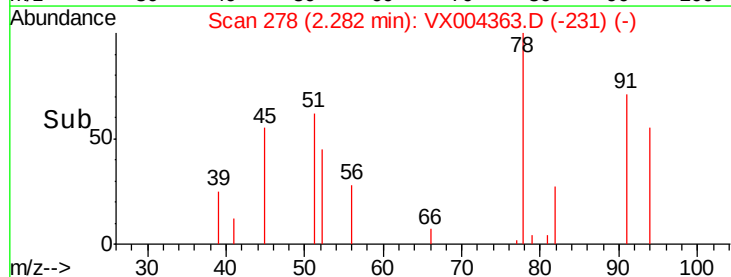
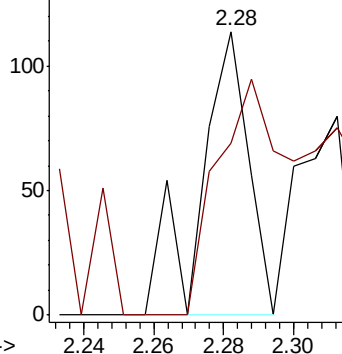


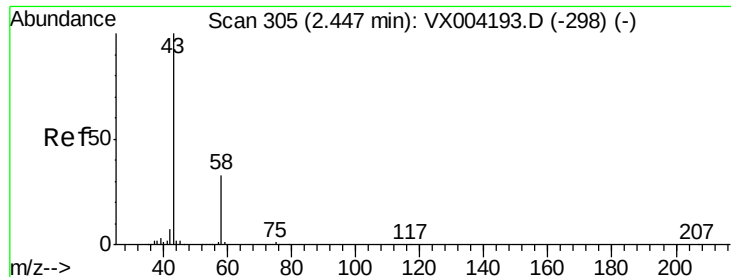
#13
Acrolein
Concen: 0.56 ug/l
RT: 2.28 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004363.D
Acq: 05 Sep 2018 11:20

Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 116.4 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004363.D

Acq: 05 Sep 2018 11:20

Instrument :

MSVOA_X

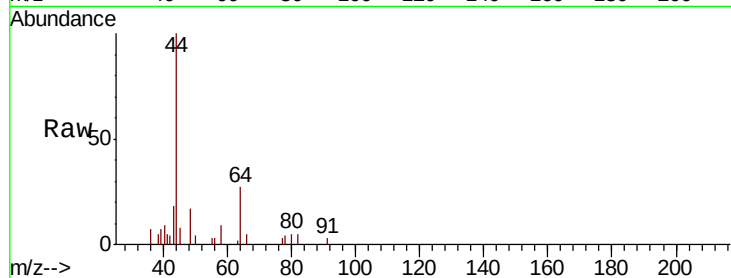
ClientSampled :

Tot Ion: 43 Resp: 612

Ion Ratio Lower Upper

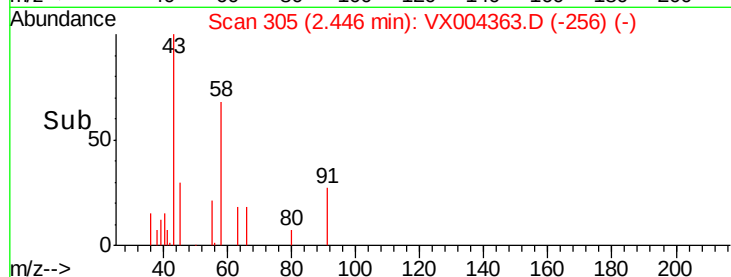
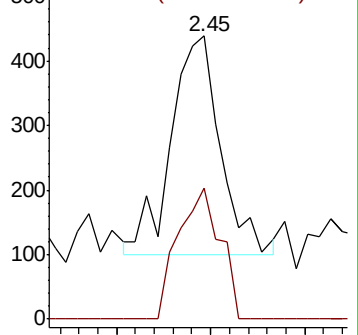
43 100

58 63.8 26.2 39.4#

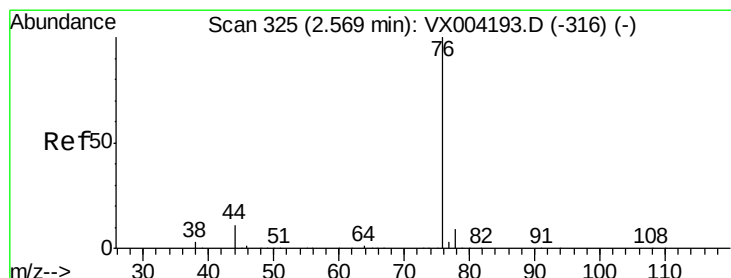


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.95 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004363.D

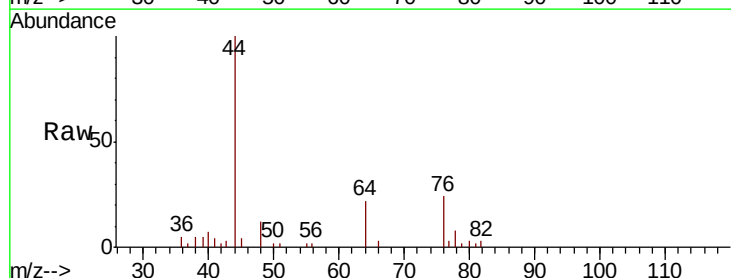
Acq: 05 Sep 2018 11:20

Tgt Ion: 76 Resp: 1367

Ion Ratio Lower Upper

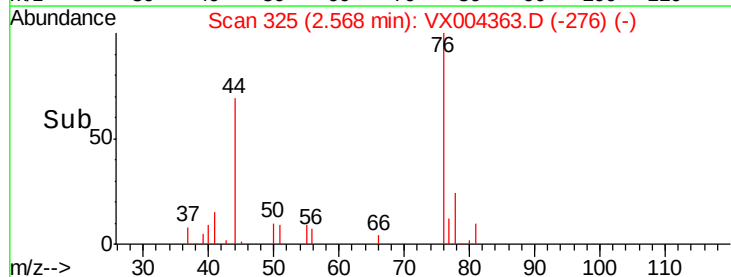
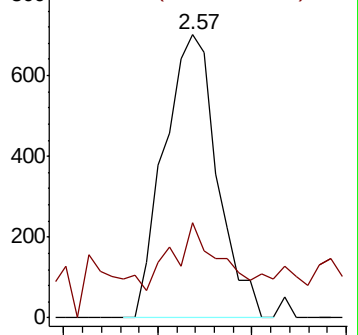
76 100

78 20.0 7.0 10.6#

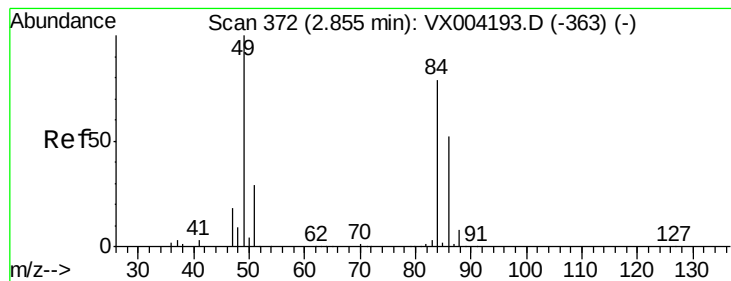


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#20

Methvlene Chloride

Concen: 0.31 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX004363.D

Acq: 05 Sep 2018 11:20

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 1140

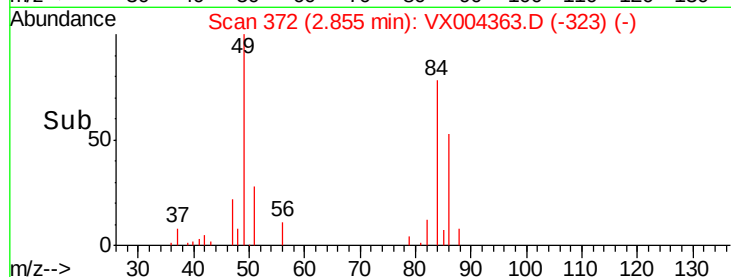
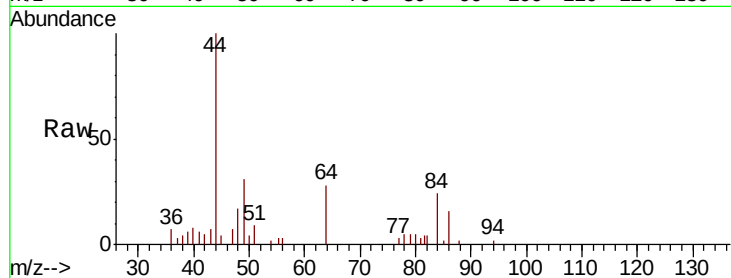
Ion Ratio Lower Upper

84 100

49 127.6 101.2 151.8

51 35.5 29.5 44.3

86 67.1 52.3 78.5

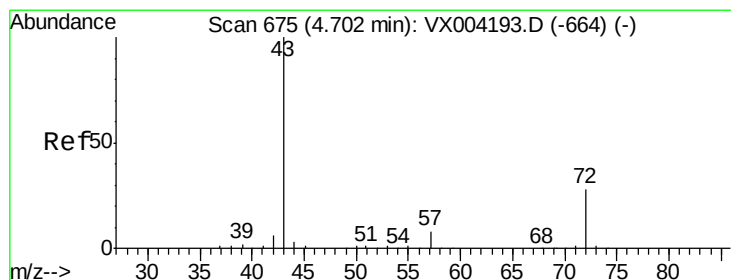
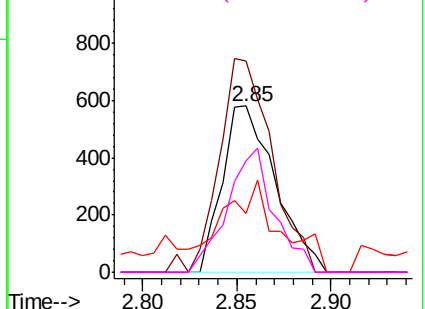


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: Below Cal

RT: 4.73 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX004363.D

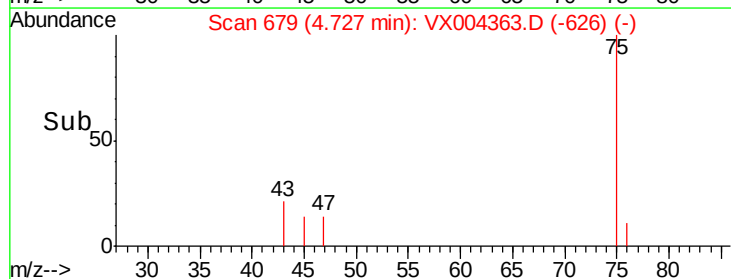
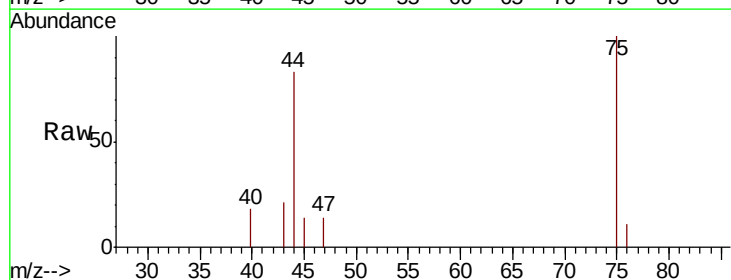
Acq: 05 Sep 2018 11:20

Tgt Ion: 43 Resp: 155

Ion Ratio Lower Upper

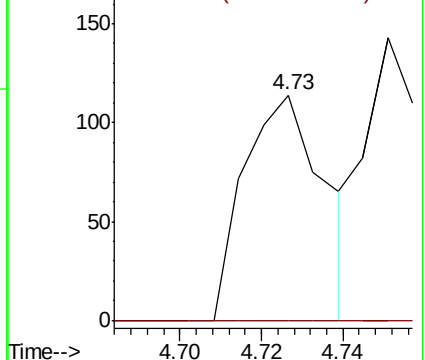
43 100

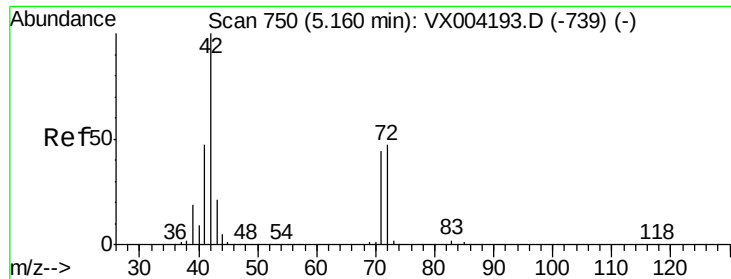
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.55 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: VX004363.D

Acq: 05 Sep 2018 11:20

Instrument :

MSVOA_X

ClientSampleId :

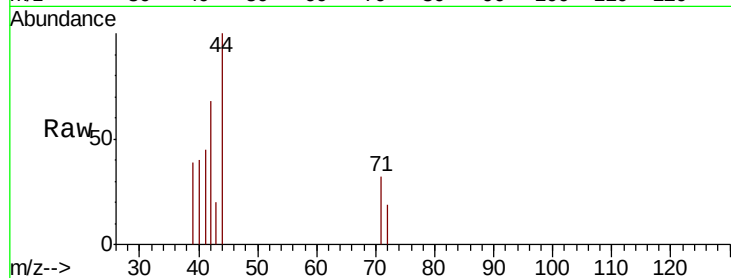
Tot Ion: 42 Resp: 906

Ion Ratio Lower Upper

42 100

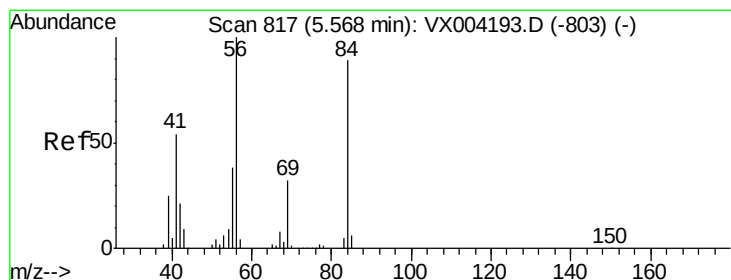
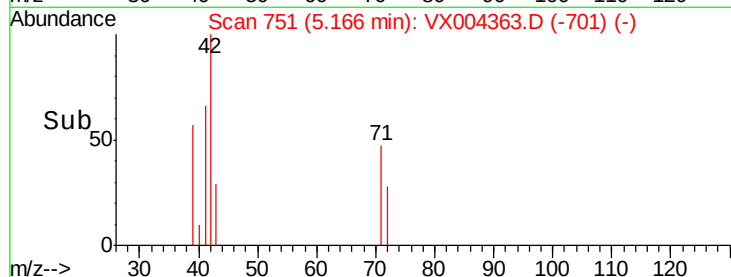
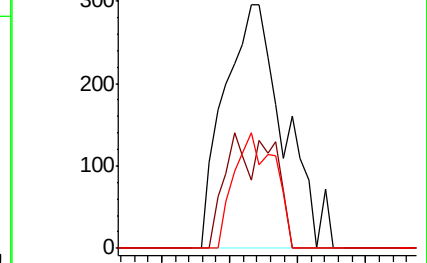
72 18.0 37.4 56.0#

71 32.5 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

5.17



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.65 min Scan# 831

Delta R.T. 0.09 min

Lab File: VX004363.D

Acq: 05 Sep 2018 11:20

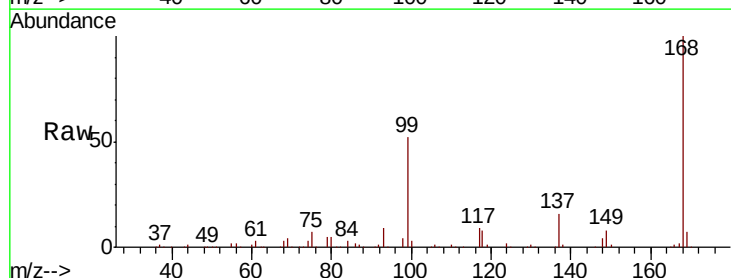
Tgt Ion: 56 Resp: 4784

Ion Ratio Lower Upper

56 100

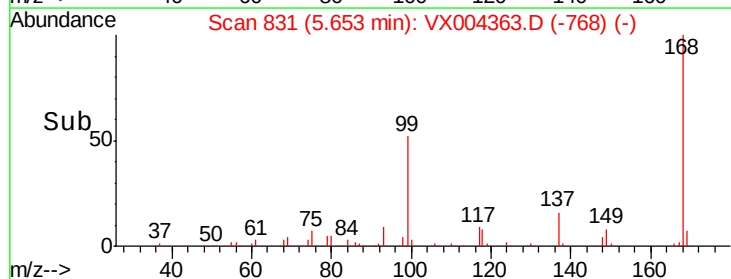
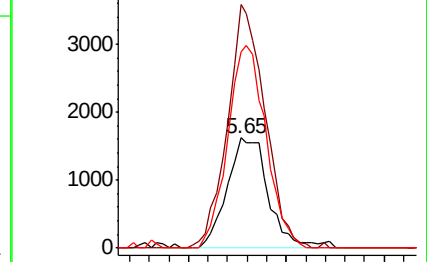
69 220.8 25.4 38.2#

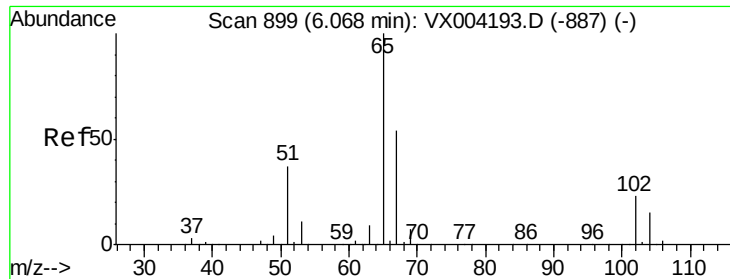
84 177.8 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

5.65

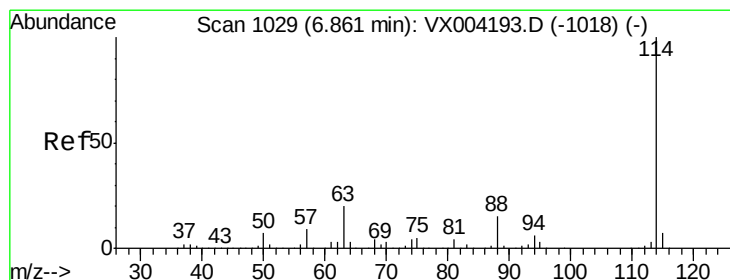
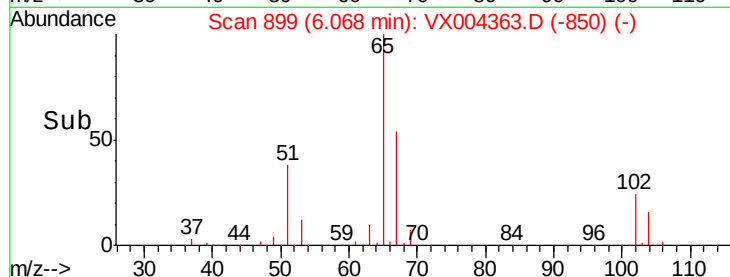
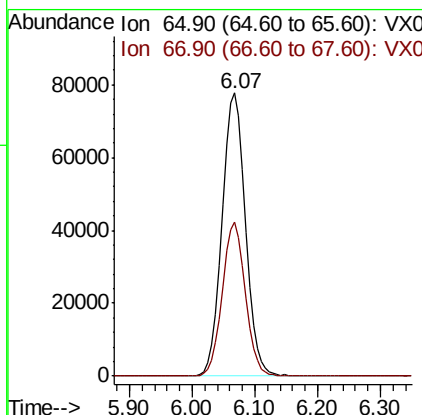
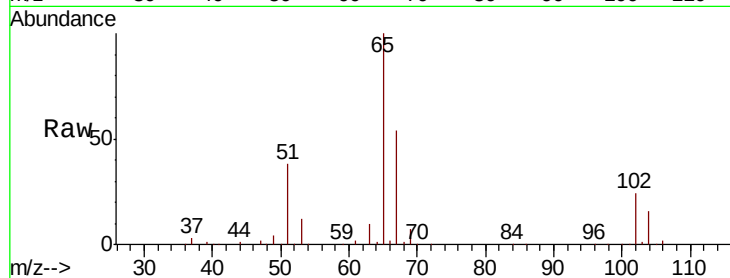




#33
 1,2-Dichloroethane-d4
 Concen: 52.15 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004363.D
 Acq: 05 Sep 2018 11:20

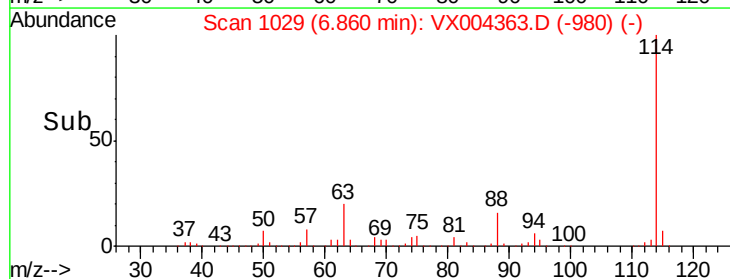
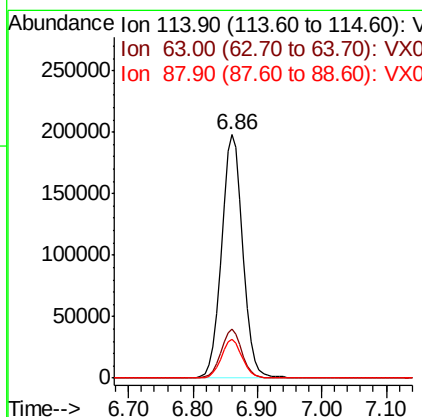
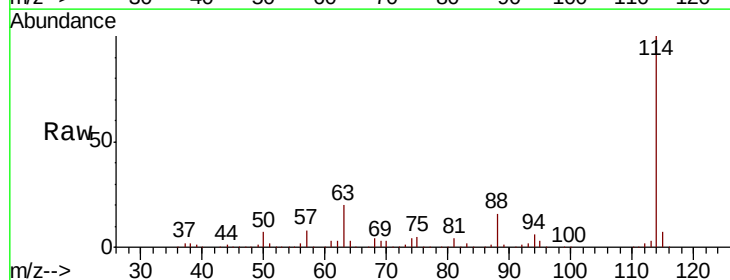
Instrument :
 MSVOA_X
 ClientSampleId :

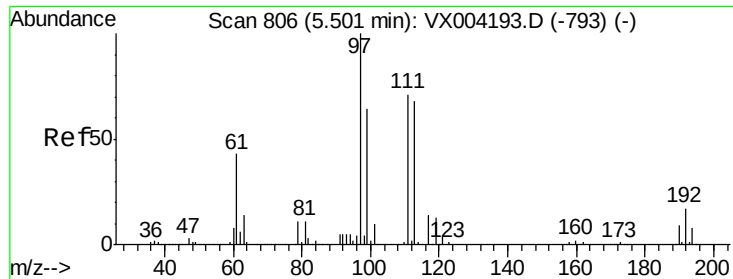
Tot Ion: 65 Resp: 201073
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004363.D
 Acq: 05 Sep 2018 11:20

Tgt Ion: 114 Resp: 462749
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.7 0.0 30.4

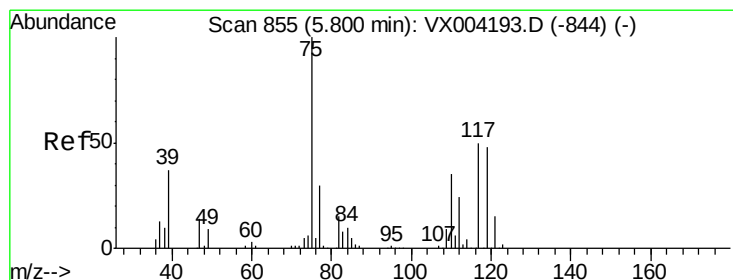
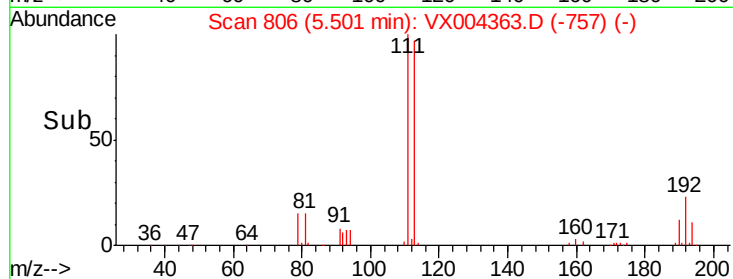
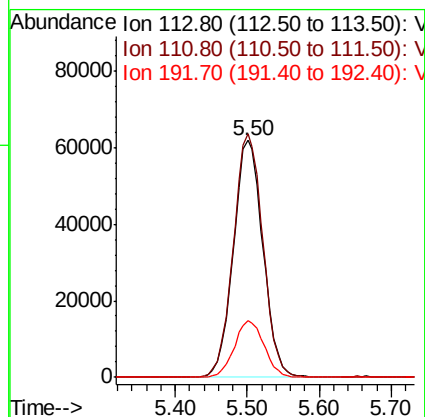
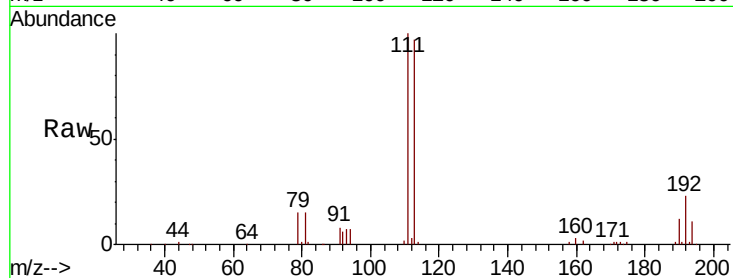




#35
 Dibromofluoromethane
 Concen: 51.10 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004363.D
 Acq: 05 Sep 2018 11:20

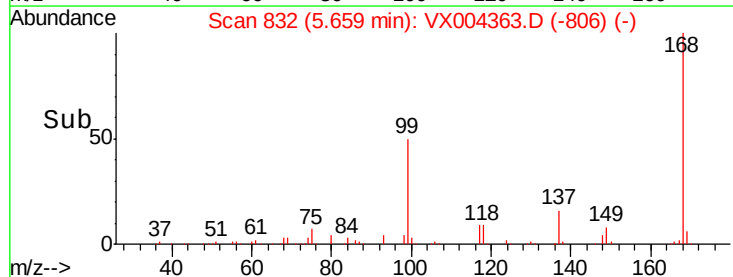
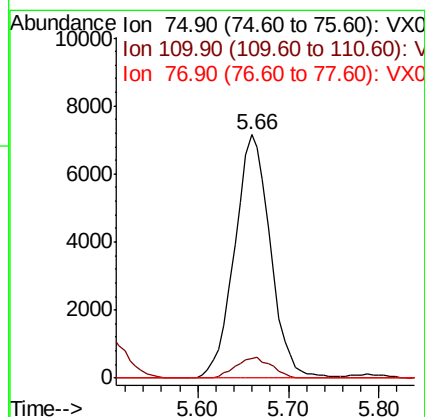
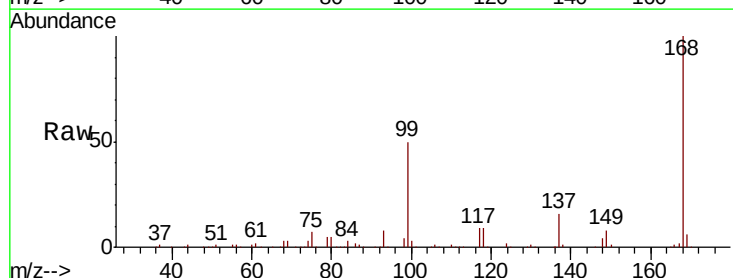
Instrument :
 MSVOA_X
 ClientSampleId :

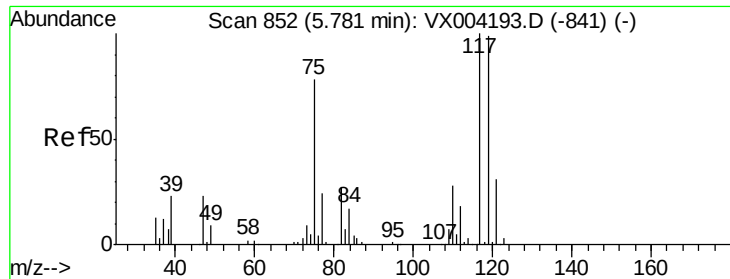
Tot Ion:113 Resp: 175920
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 24.0 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004363.D
 Acq: 05 Sep 2018 11:20

Tgt Ion: 75 Resp: 19543
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.0 54.0#
 77 0.0 24.6 36.8#

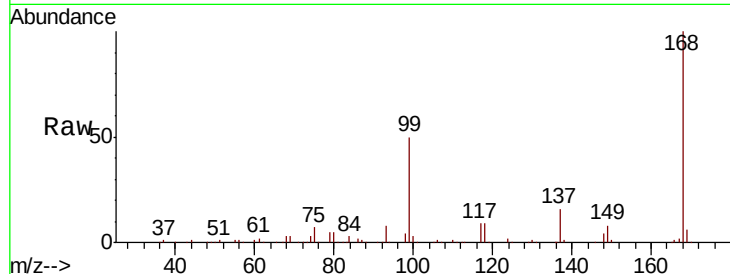




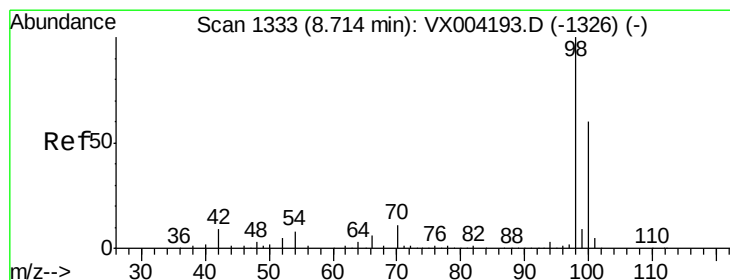
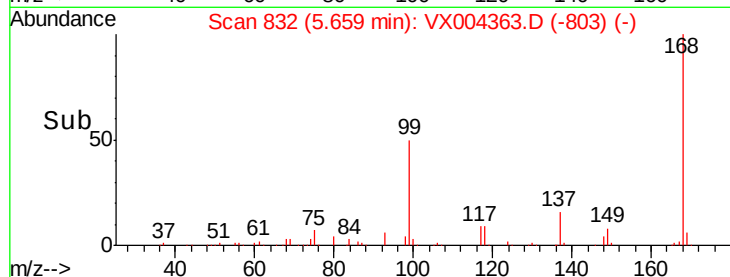
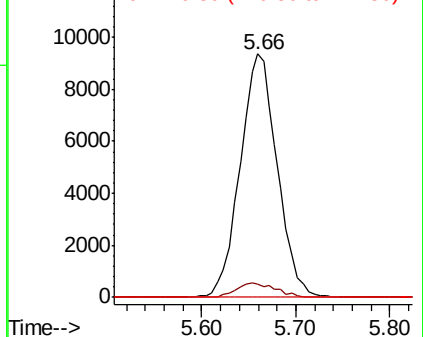
#38
Carbon Tetrachloride
Concen: 5.24 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.12 min
Lab File: VX004363.D
Acq: 05 Sep 2018 11:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 25661
Ion Ratio Lower Upper
117 100
119 5.6 78.8 118.2#
121 0.0 24.9 37.3#

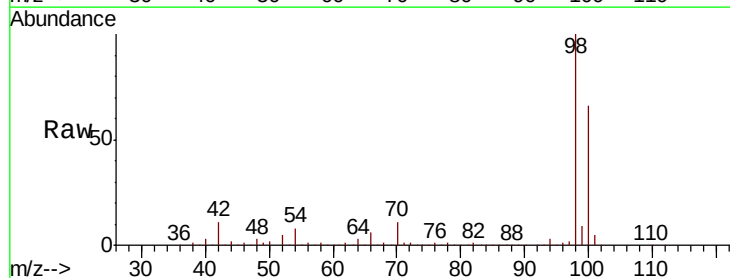


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

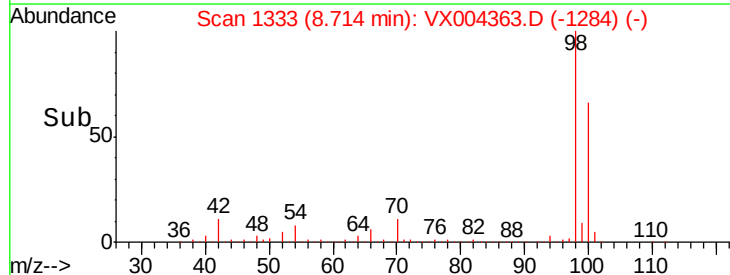
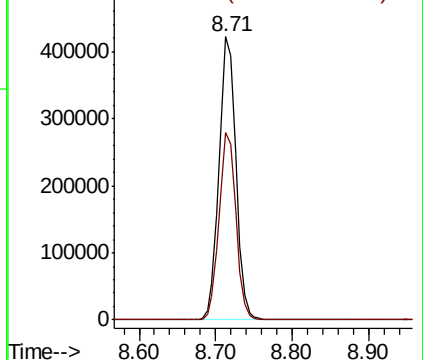


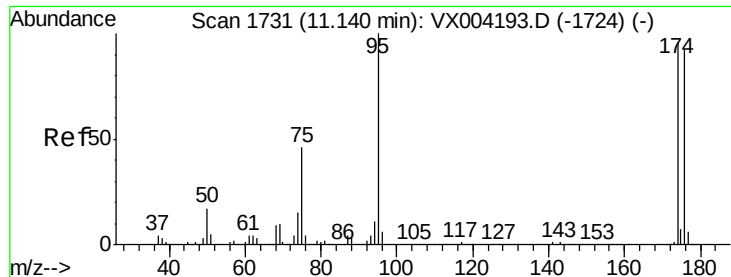
#50
Toluene-d8
Concen: 49.96 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004363.D
Acq: 05 Sep 2018 11:20

Tgt Ion: 98 Resp: 649166
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

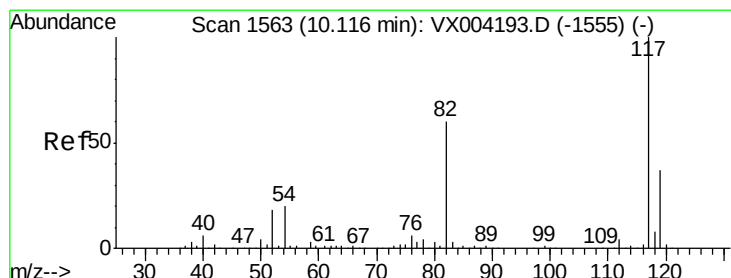
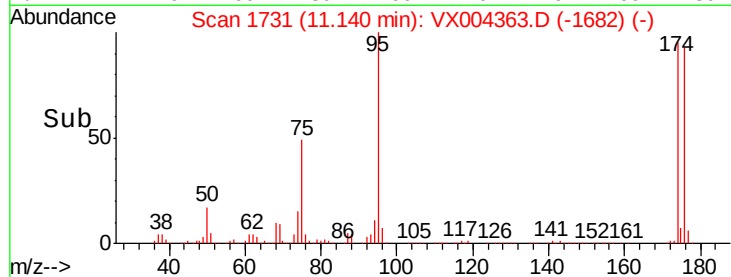
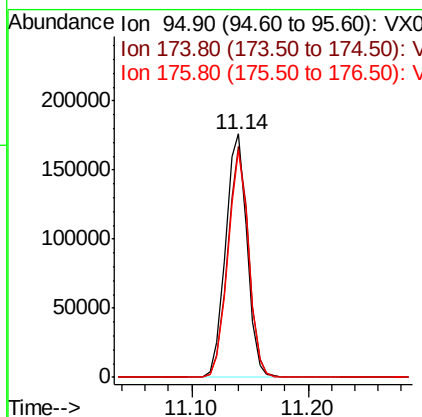
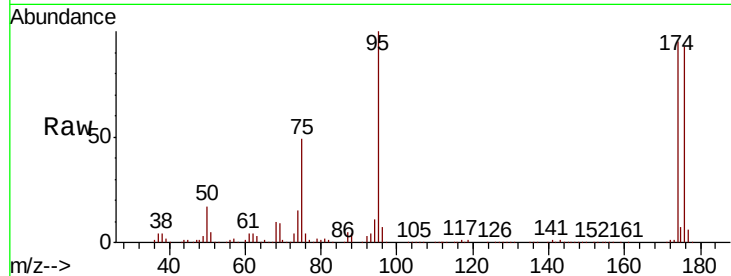




#62
4-Bromofluorobenzene
Concen: 46.33 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004363.D
Acq: 05 Sep 2018 11:20

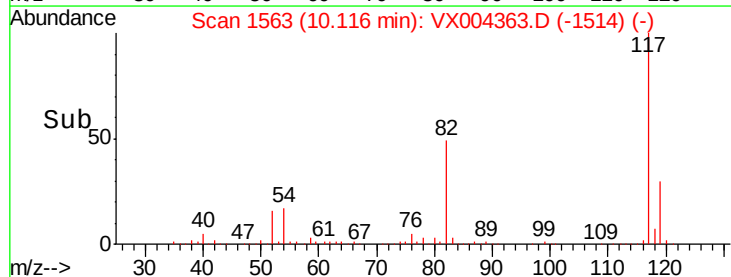
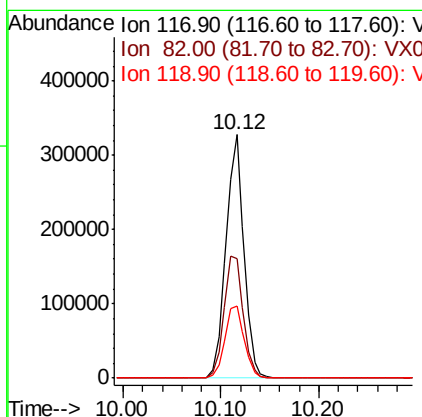
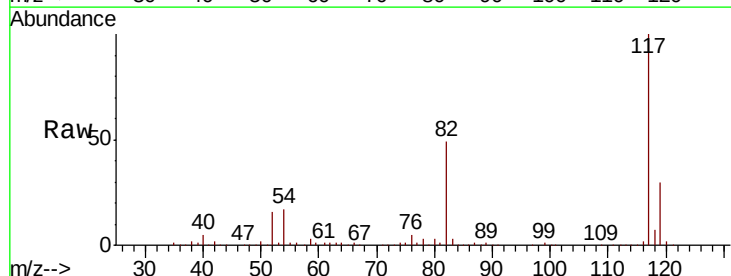
Instrument :
MSVOA_X
ClientSampled :

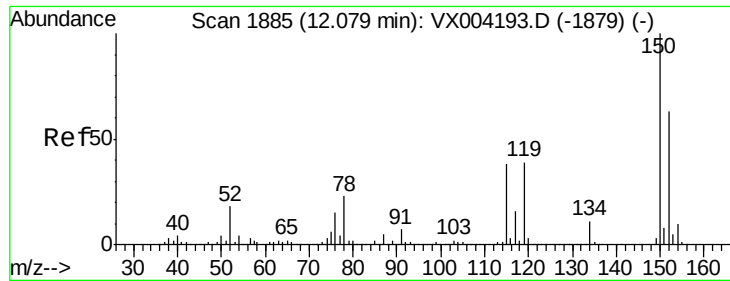
Tot Ion: 95 Resp: 224648
Ion Ratio Lower Upper
95 100
174 93.0 0.0 185.2
176 90.2 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004363.D
Acq: 05 Sep 2018 11:20

Tgt Ion: 117 Resp: 416370
Ion Ratio Lower Upper
117 100
82 49.0 47.8 71.6
119 29.6 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004363.D

Acq: 05 Sep 2018 11:20

Instrument :

MSVOA_X

ClientSampled :

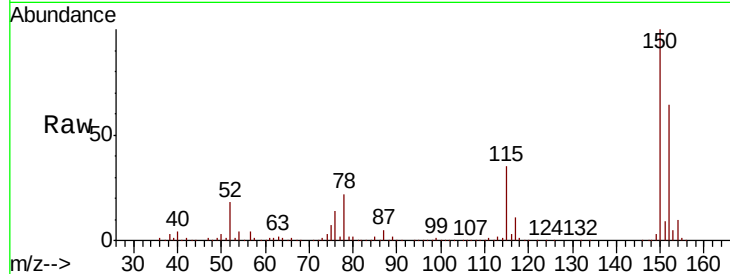
Tot Ion:152 Resp: 240475

Ion Ratio Lower Upper

152 100

115 54.7 39.0 117.0

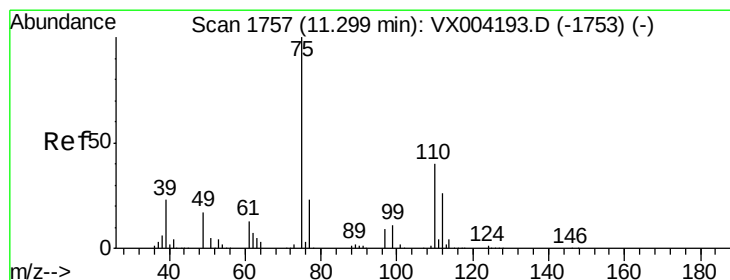
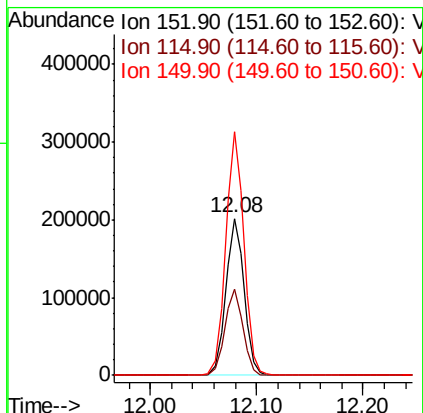
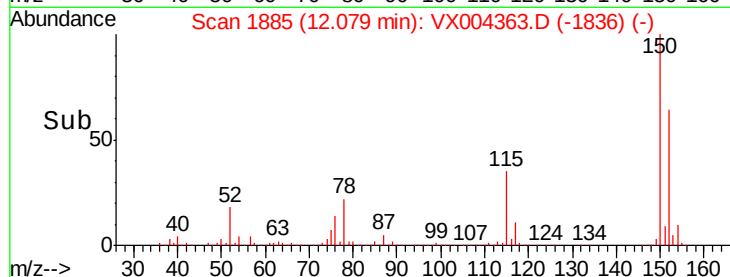
150 155.3 0.0 351.0



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: 21.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004363.D

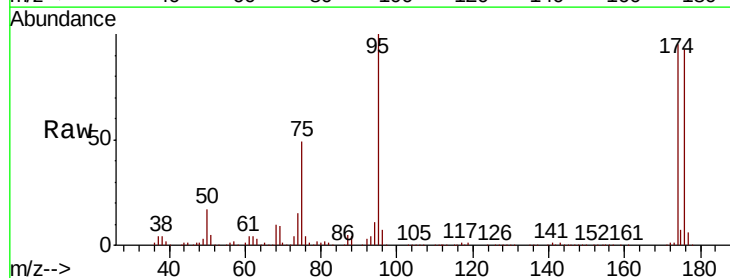
Acq: 05 Sep 2018 11:20

Tgt Ion: 75 Resp: 107345

Ion Ratio Lower Upper

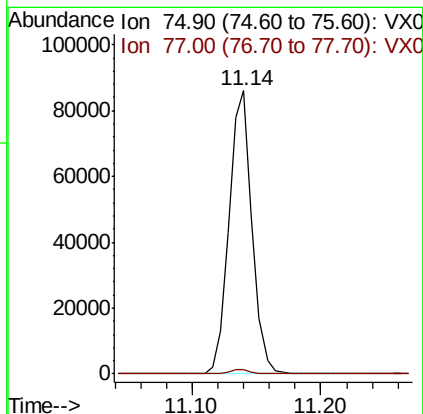
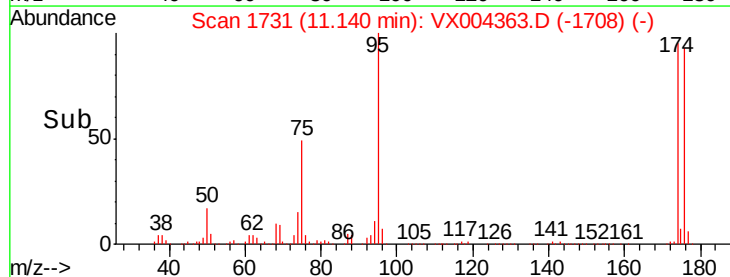
75 100

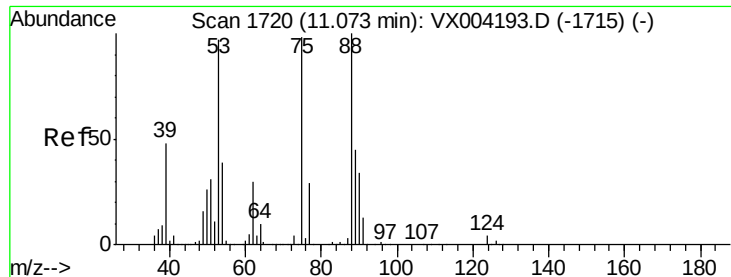
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

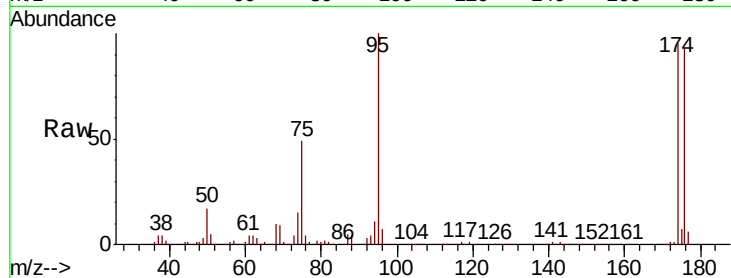




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.21 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.07 min
 Lab File: VX004363.D
 Acq: 05 Sep 2018 11:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 107345
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.0 37.2 55.8#



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

