

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005600.D
 Acq On : 26 Oct 2018 13:05
 Operator : JC/MD
 Sample : VX1026MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026MBL01

Quant Time: Oct 27 04:44:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	178520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	265518	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	240249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	117198	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
35) Dibromofluoromethane	5.50	113	90074	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	8.71	98	322698	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.14	95	102946	42.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.40%	

Target Compounds

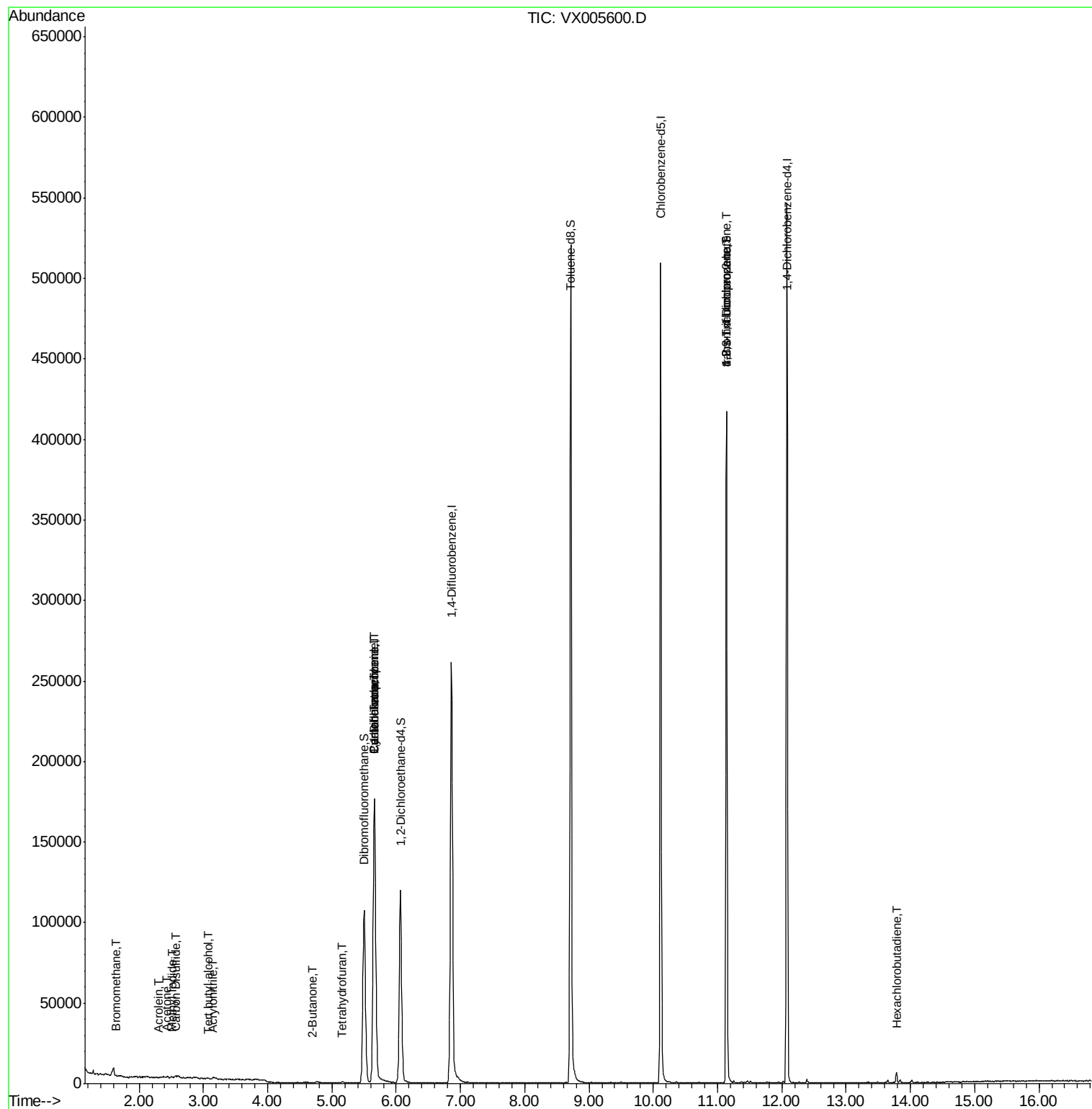
						Qvalue
5) Bromomethane	1.65	94	473	0.345	ug/l	97
10) Methyl Iodide	2.51	142	220	2.839	ug/l #	74
11) Tert butyl alcohol	3.07	59	634	1.081	ug/l #	72
13) Acrolein	2.30	56	223	0.745	ug/l #	64
15) Acrylonitrile	3.14	53	599	0.456	ug/l #	58
16) Acetone	2.44	43	968	0.841	ug/l #	78
17) Carbon Disulfide	2.57	76	1335	0.261	ug/l #	85
18) Methyl Acetate	2.78	43	479	Below Cal		94
25) 2-Butanone	4.70	43	457	0.261	ug/l #	51
29) Tetrahydrofuran	5.15	42	486	0.426	ug/l #	58
31) Cyclohexane	5.66	56	3633	1.237	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12576	4.881	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16665	6.141	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	52867	21.894	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	52867	71.538	ug/l #	9
94) Hexachlorobutadiene	13.79	225	906	0.653	ug/l	84

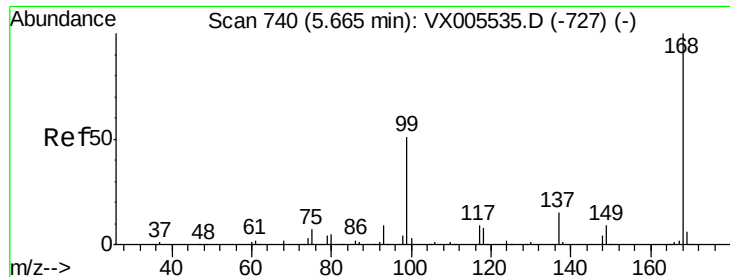
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005600.D

Acq: 26 Oct 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

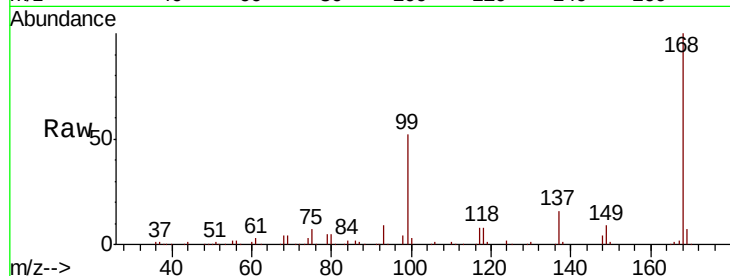
VX1026MBL01

Tot Ion:168 Resp: 178520

Ion Ratio Lower Upper

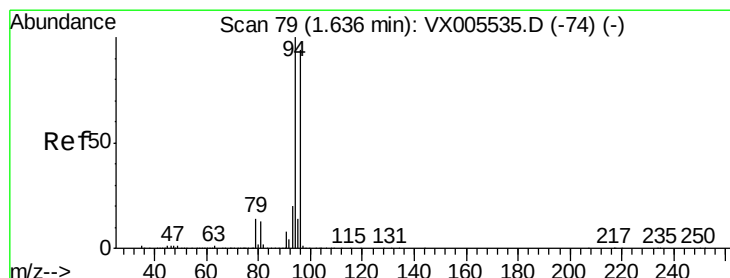
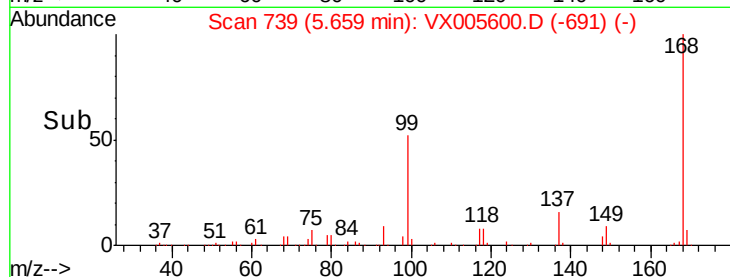
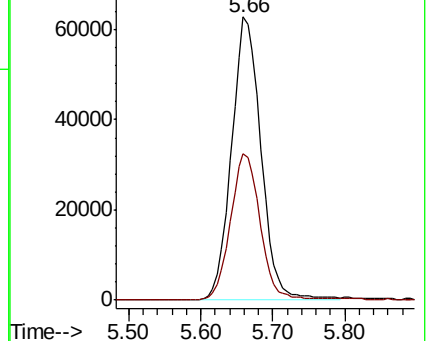
168 100

99 51.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.345 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005600.D

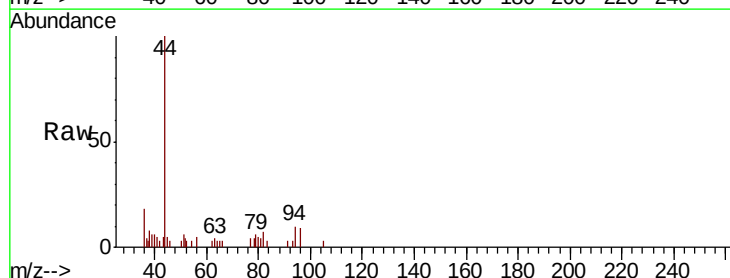
Acq: 26 Oct 2018 13:05

Tgt Ion: 94 Resp: 473

Ion Ratio Lower Upper

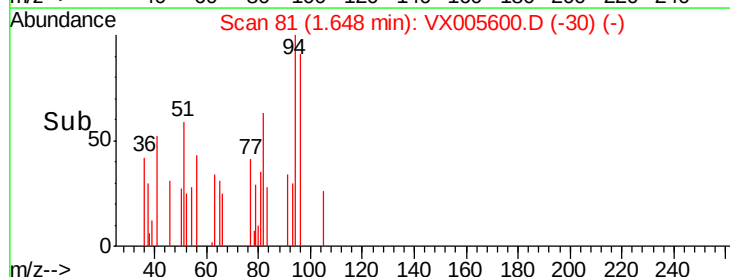
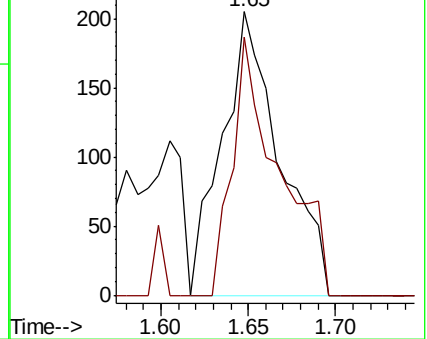
94 100

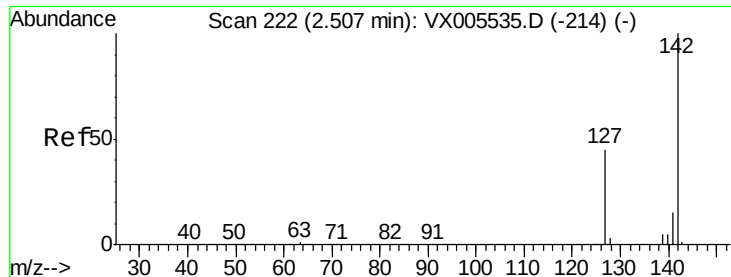
96 91.2 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

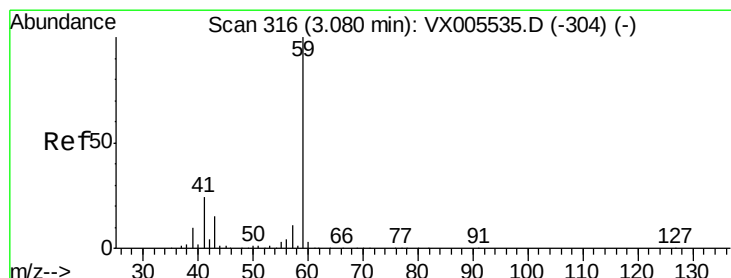
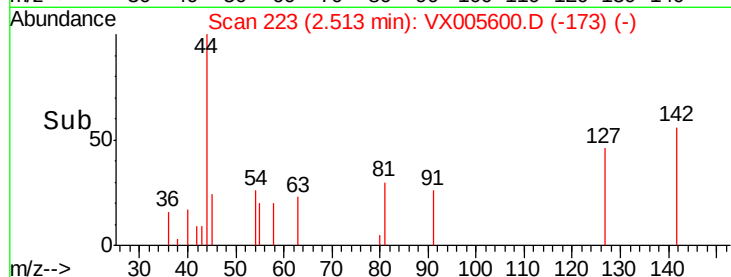
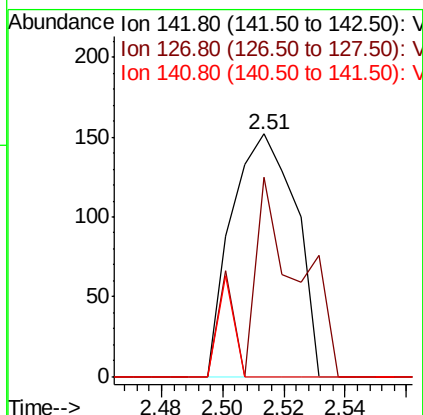
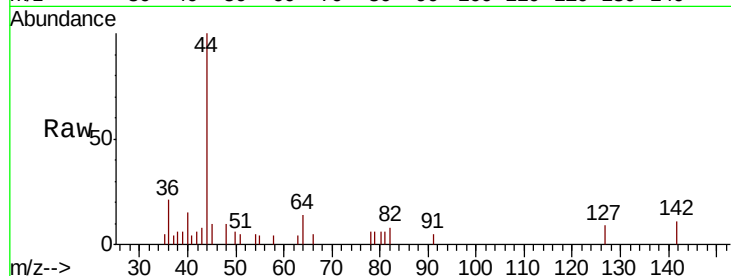




#10
Methvl Iodide
Concen: 2.839 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005600.D
Acq: 26 Oct 2018 13:05

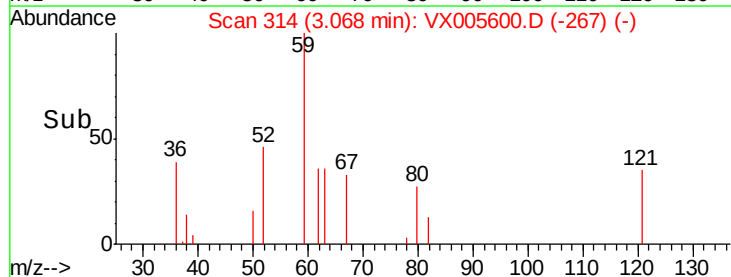
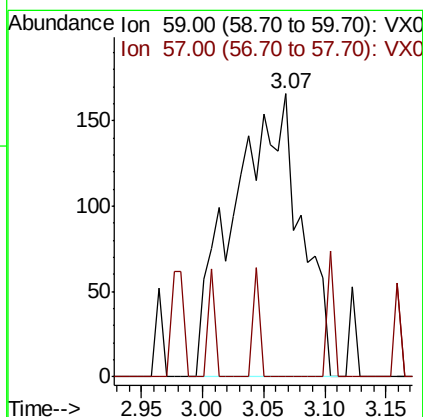
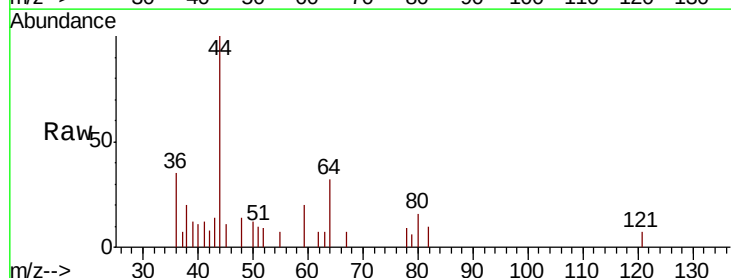
Instrument :
MSVOA_X
ClientSampleId :
VX1026MBL01

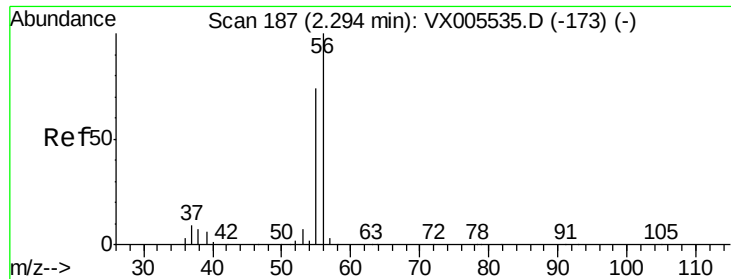
Tot Ion:142 Resp: 220
Ion Ratio Lower Upper
142 100
127 65.0 36.0 54.0#
141 10.5 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.081 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005600.D
Acq: 26 Oct 2018 13:05

Tgt Ion: 59 Resp: 634
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.745 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005600.D

Acq: 26 Oct 2018 13:05

Instrument :

MSVOA_X

ClientSampled :

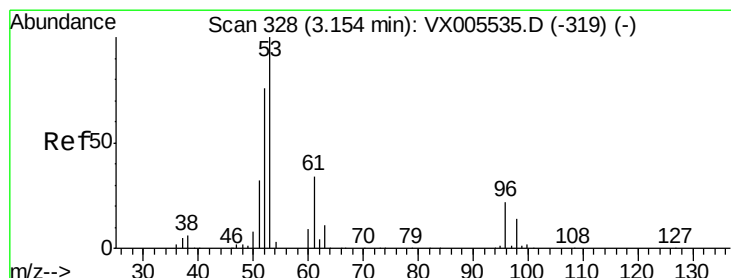
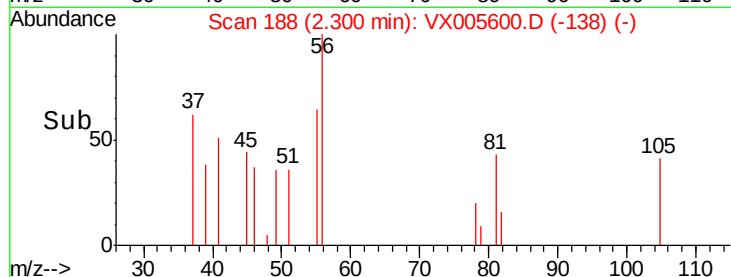
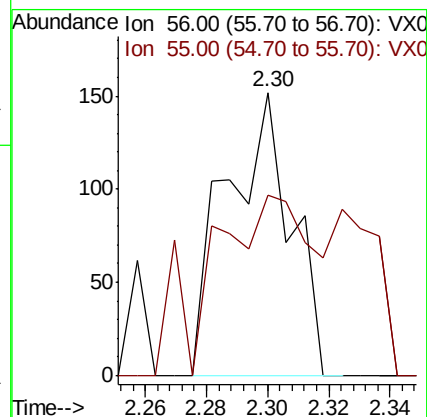
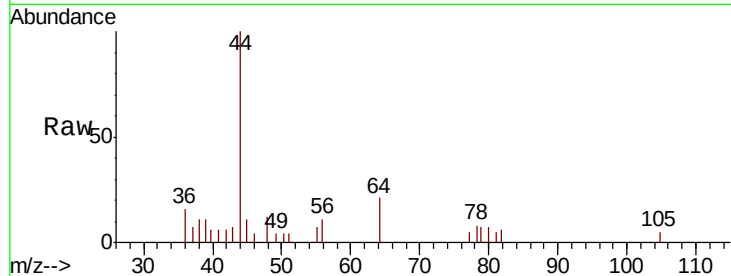
VX1026MBL01

Tot Ion: 56 Resp: 223

Ion Ratio Lower Upper

56 100

55 101.8 57.3 85.9#



#15

Acrylonitrile

Concen: 0.456 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX005600.D

Acq: 26 Oct 2018 13:05

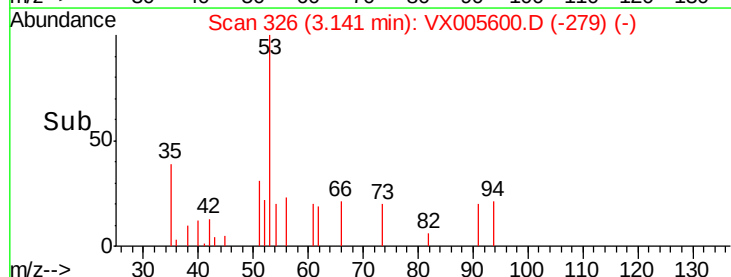
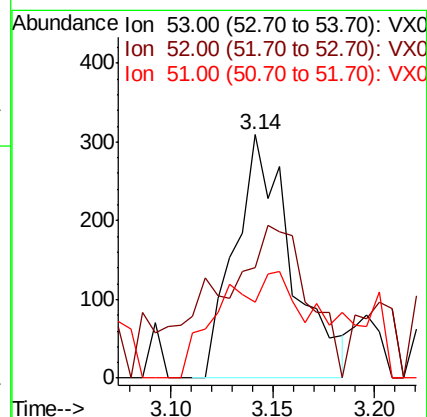
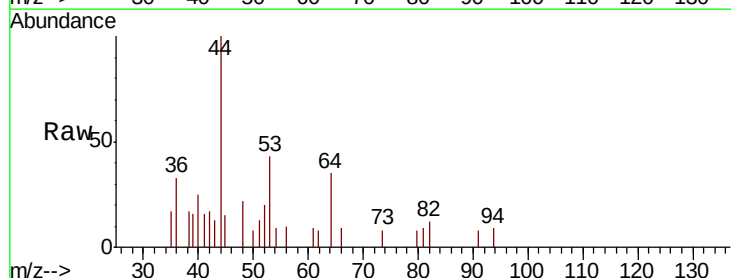
Tgt Ion: 53 Resp: 599

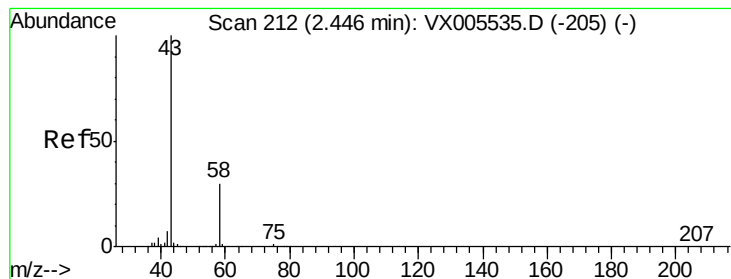
Ion Ratio Lower Upper

53 100

52 109.2 66.6 99.8#

51 77.8 28.4 42.6#





#16

Acetone

Concen: 0.841 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005600.D

Acq: 26 Oct 2018 13:05

Instrument :

MSVOA_X

ClientSampled :

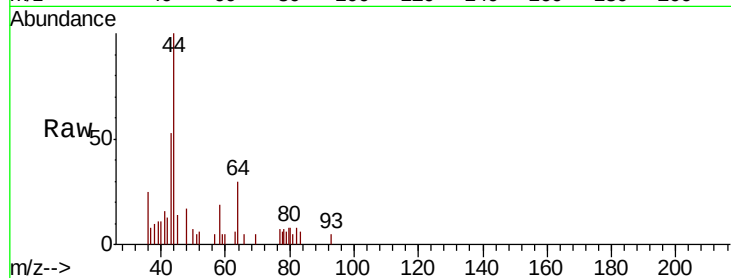
VX1026MBL01

Tot Ion: 43 Resp: 968

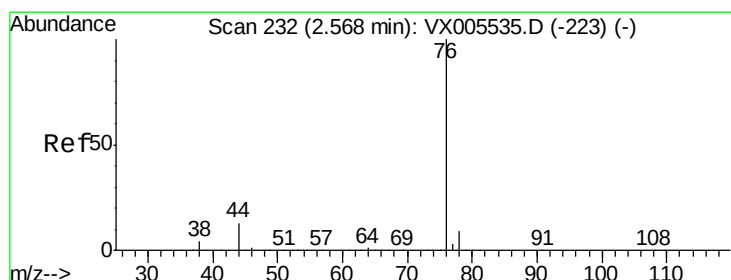
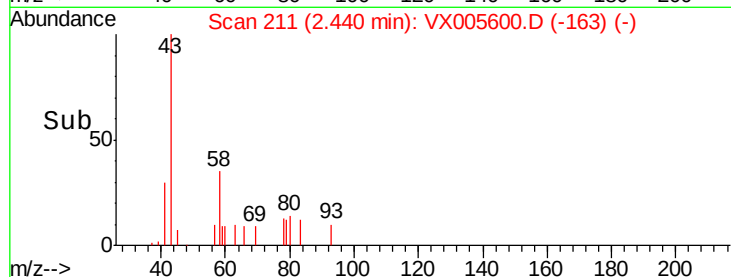
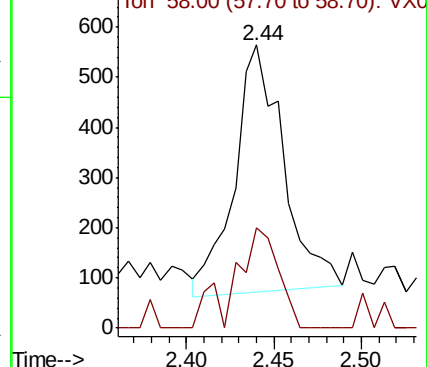
Ion Ratio Lower Upper

43 100

58 41.5 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 0.261 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005600.D

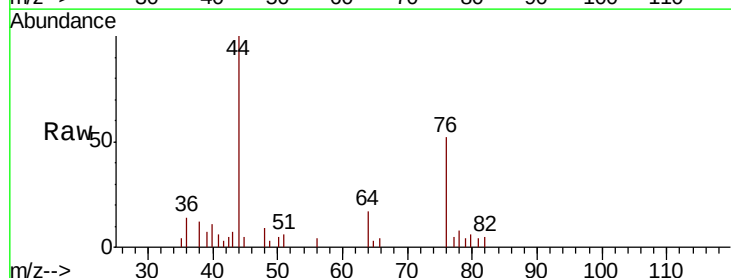
Acq: 26 Oct 2018 13:05

Tgt Ion: 76 Resp: 1335

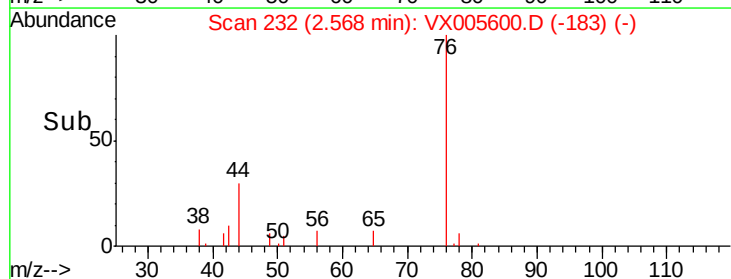
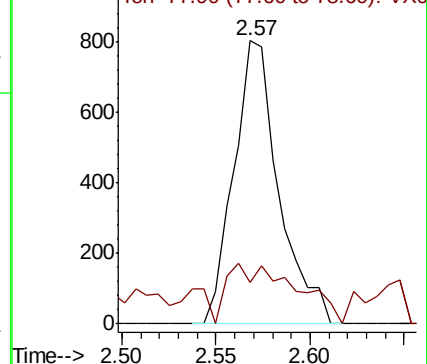
Ion Ratio Lower Upper

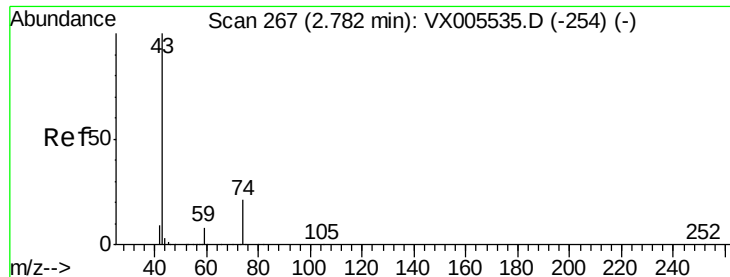
76 100

78 14.6 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

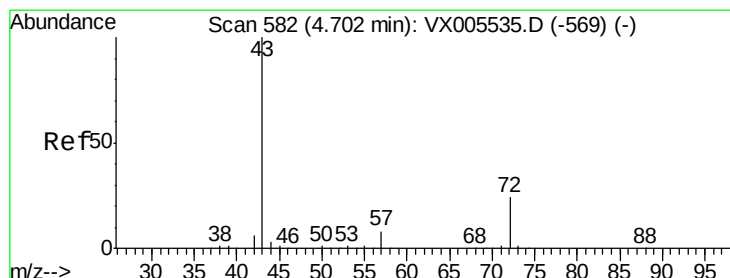
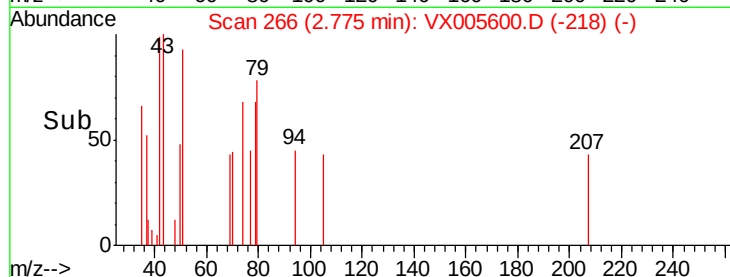
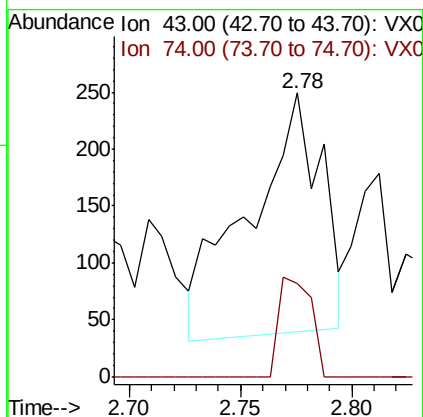
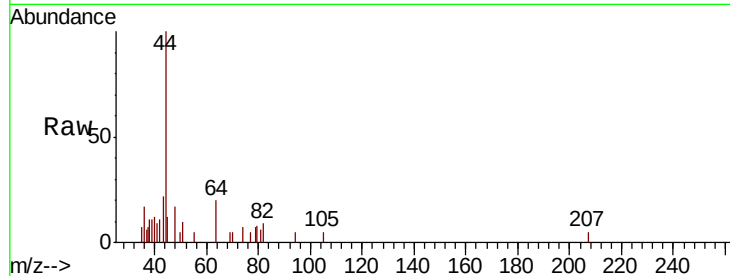




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005600.D
Acq: 26 Oct 2018 13:05

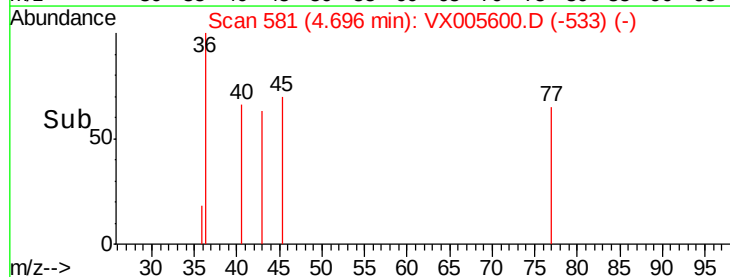
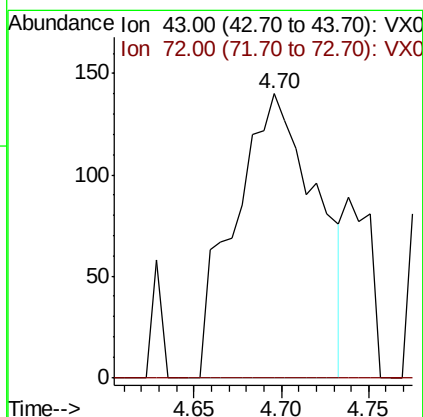
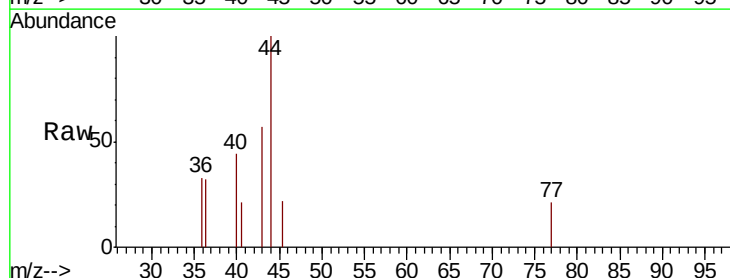
Instrument :
MSVOA_X
ClientSampled :
VX1026MBL01

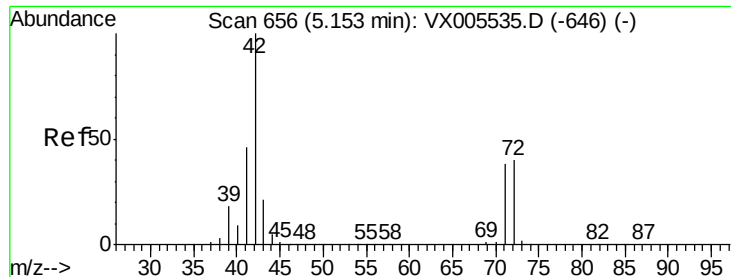
Tot Ion: 43 Resp: 479
Ion Ratio Lower Upper
43 100
74 18.2 16.8 25.2



#25
2-Butanone
Concen: 0.261 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX005600.D
Acq: 26 Oct 2018 13:05

Tgt Ion: 43 Resp: 457
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#

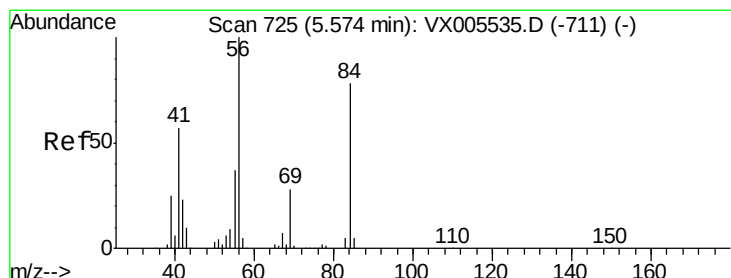
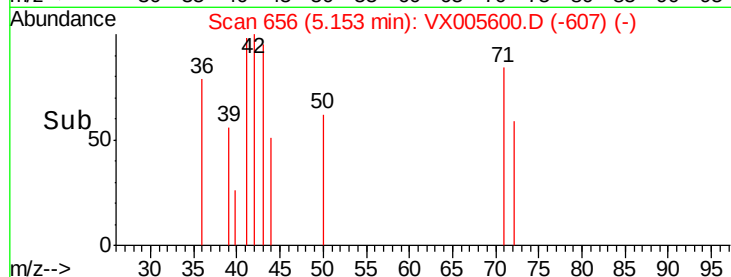
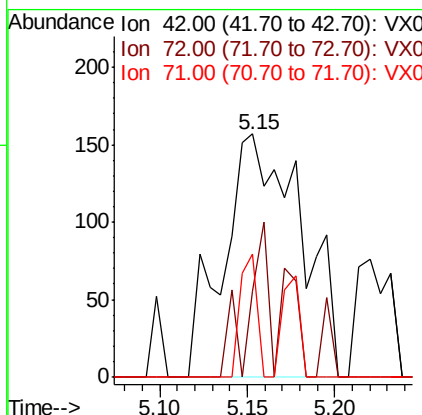
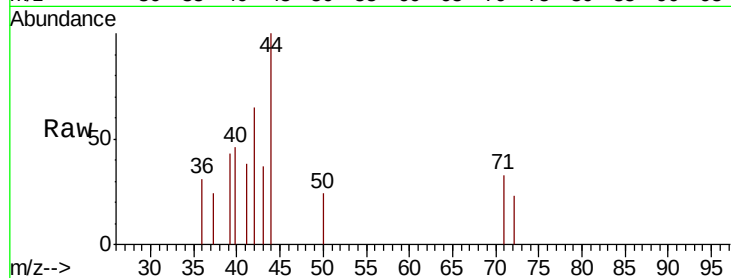




#29
Tetrahydrofuran
Concen: 0.426 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005600.D
Acq: 26 Oct 2018 13:05

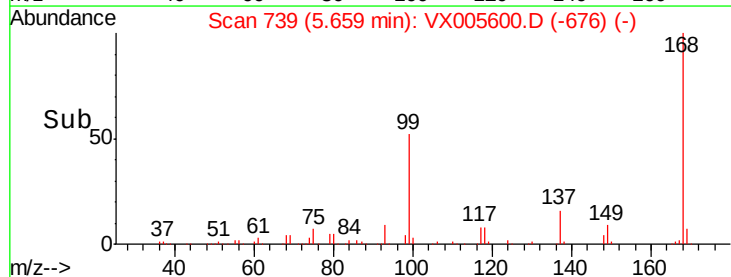
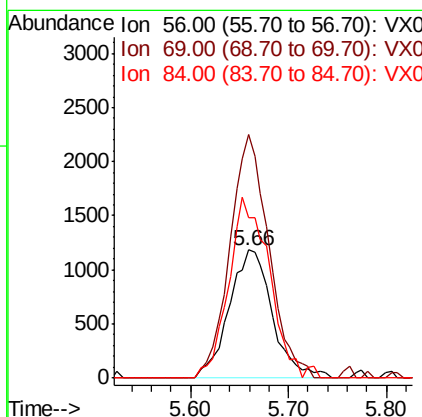
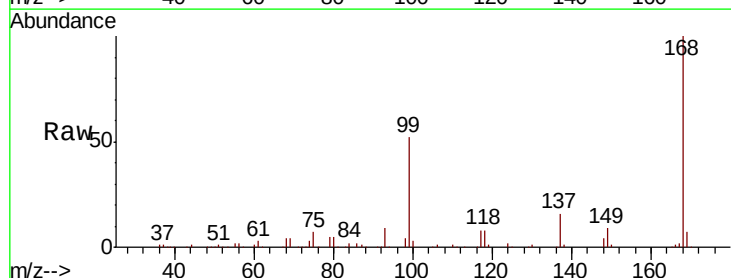
Instrument :
MSVOA_X
ClientSampleId :
VX1026MBL01

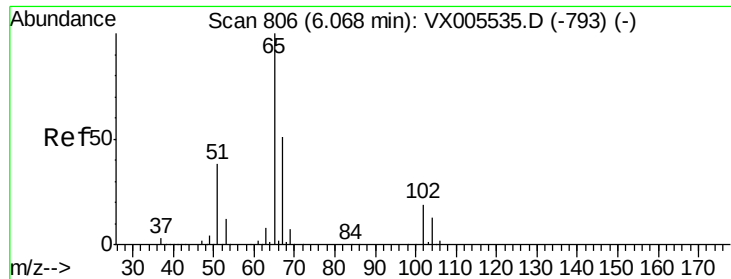
Tot Ion: 42 Resp: 486
Ion Ratio Lower Upper
42 100
72 15.8 32.0 48.0#
71 10.9 29.8 44.8#



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005600.D
Acq: 26 Oct 2018 13:05

Tgt Ion: 56 Resp: 3633
Ion Ratio Lower Upper
56 100
69 190.0 22.6 34.0#
84 125.7 62.7 94.1#

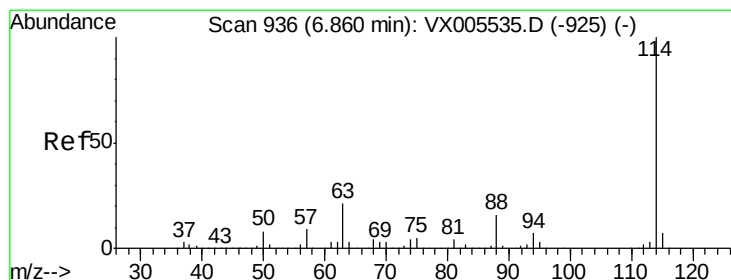
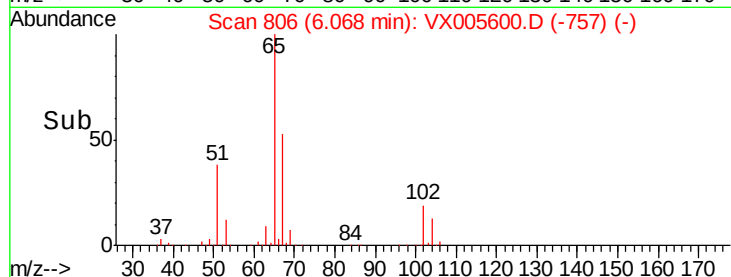
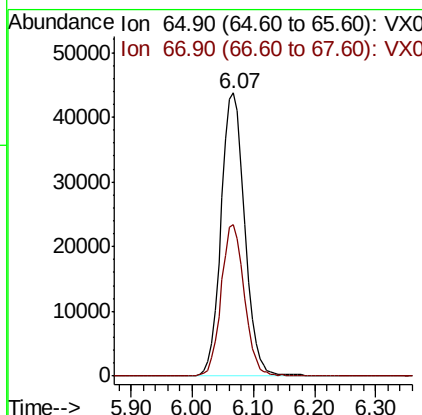
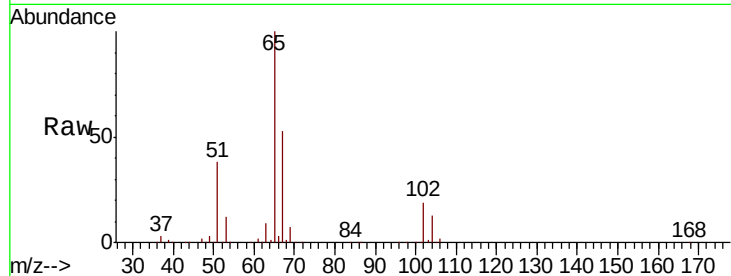




#33
 1,2-Dichloroethane-d4
 Concen: 53.781 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005600.D
 Acq: 26 Oct 2018 13:05

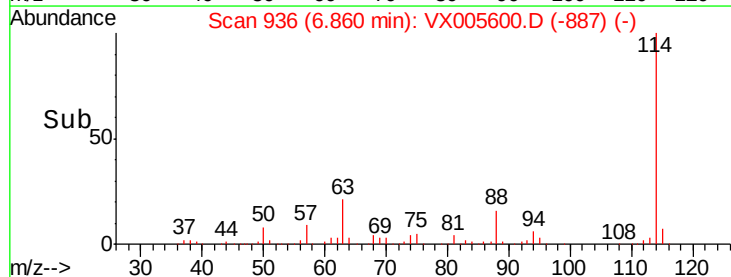
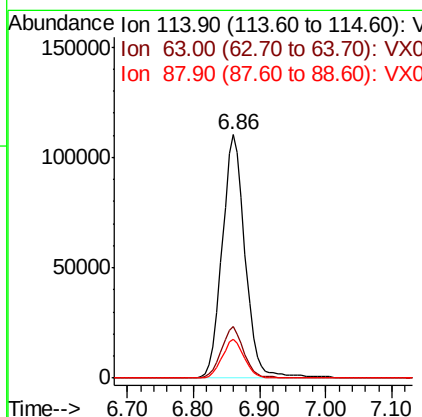
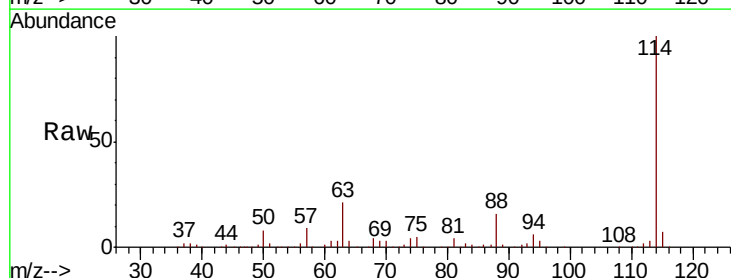
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026MBL01

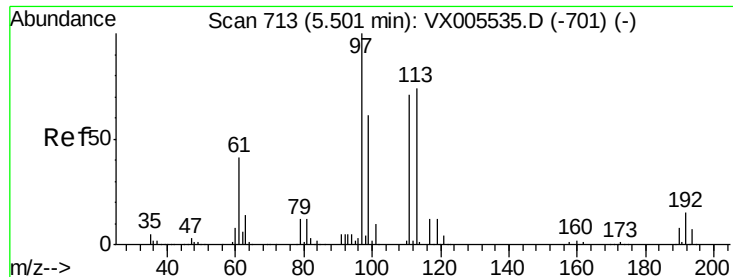
Tot Ion: 65 Resp: 117198
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005600.D
 Acq: 26 Oct 2018 13:05

Tgt Ion: 114 Resp: 265518
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.8
 88 16.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.101 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005600.D

Acq: 26 Oct 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1026MBL01

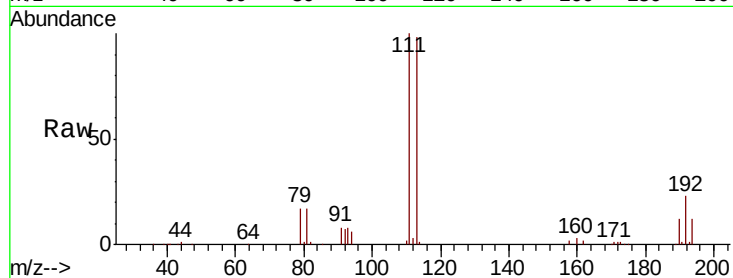
Tot Ion:113 Resp: 90074

Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

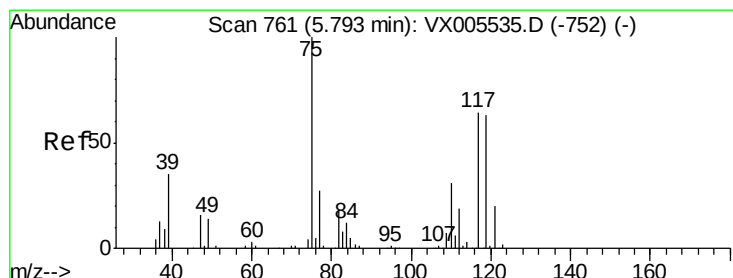
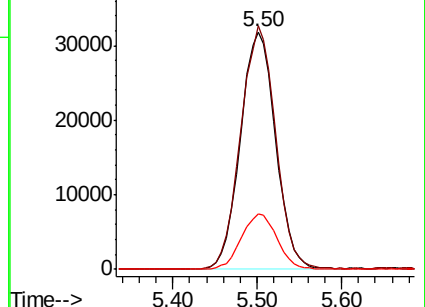
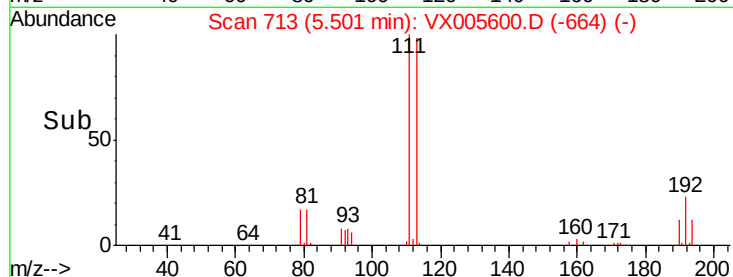
192 23.7 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.881 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005600.D

Acq: 26 Oct 2018 13:05

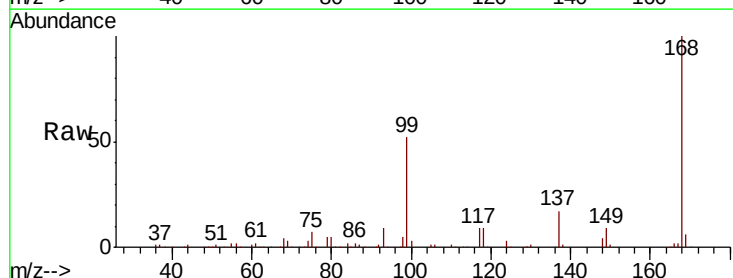
Tgt Ion: 75 Resp: 12576

Ion Ratio Lower Upper

75 100

110 10.1 17.4 52.2#

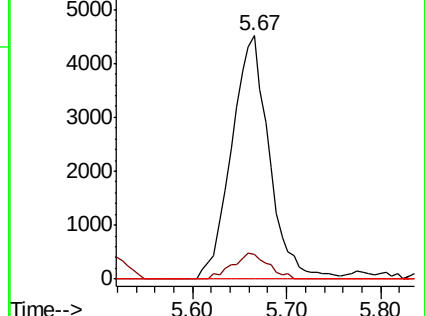
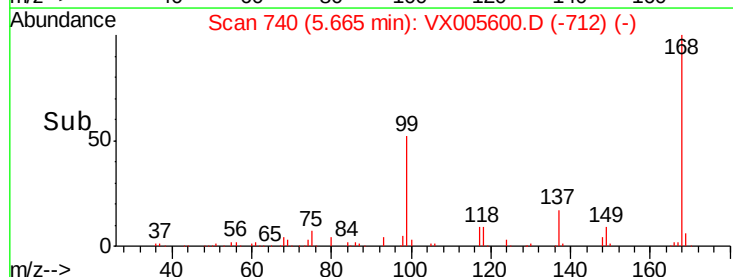
77 0.0 25.8 38.6#

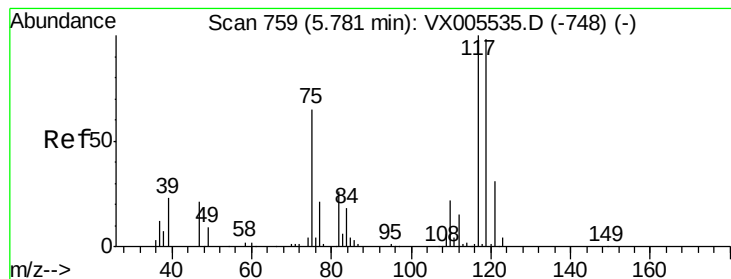


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.141 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005600.D

Acq: 26 Oct 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1026MBL01

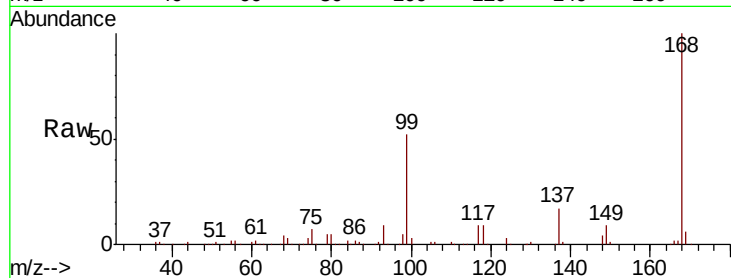
Tot Ion:117 Resp: 16665

Ion Ratio Lower Upper

117 100

119 5.2 78.1 117.1#

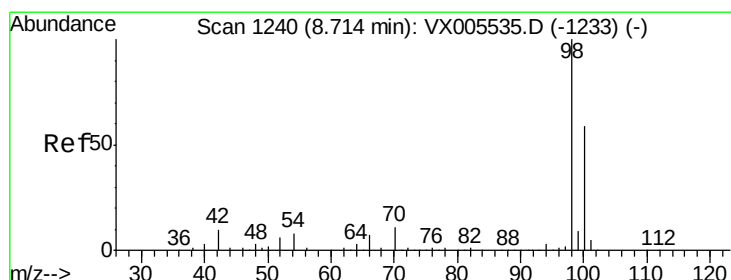
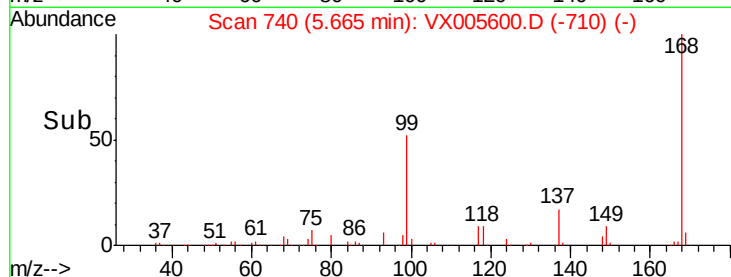
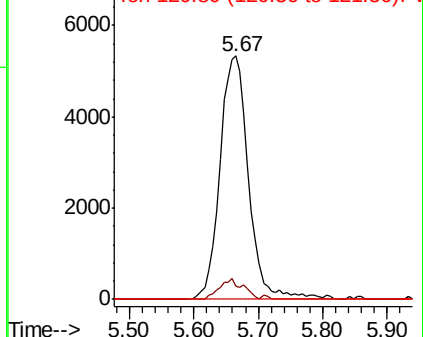
121 0.0 24.6 36.8#



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: 49.952 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005600.D

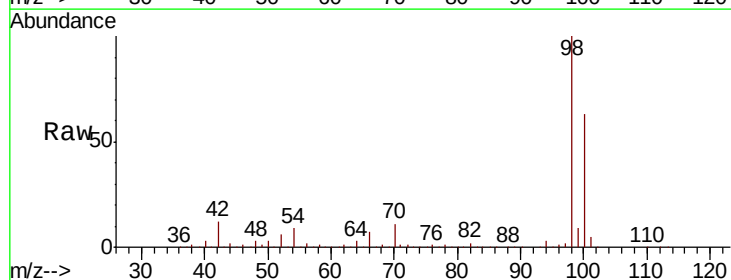
Acq: 26 Oct 2018 13:05

Tgt Ion: 98 Resp: 322698

Ion Ratio Lower Upper

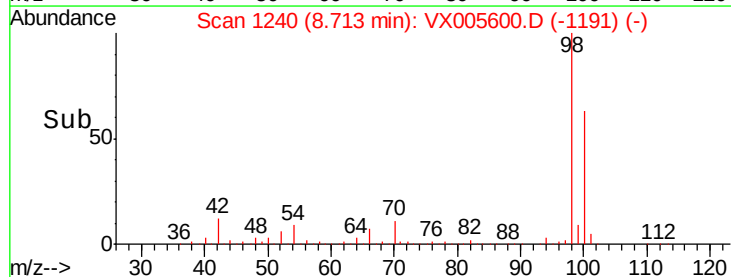
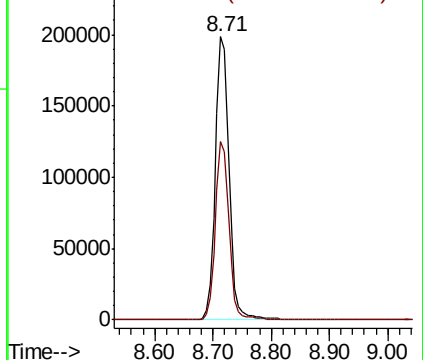
98 100

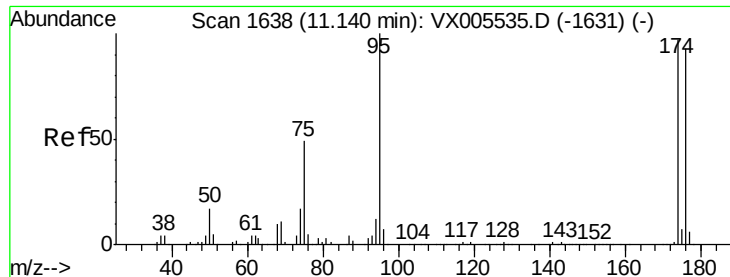
100 62.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

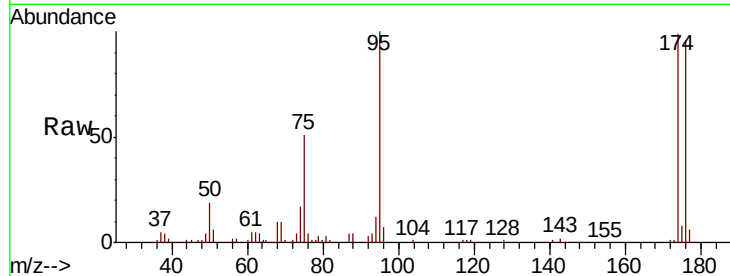




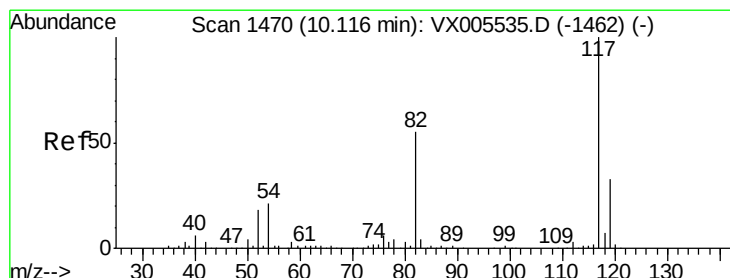
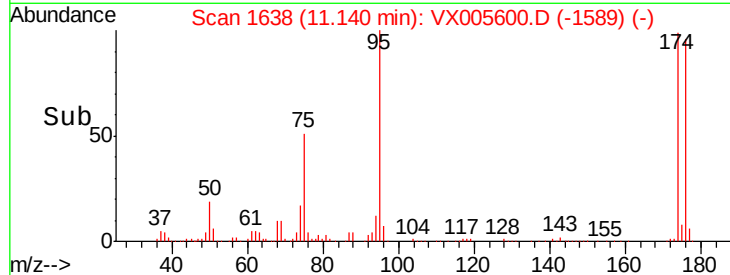
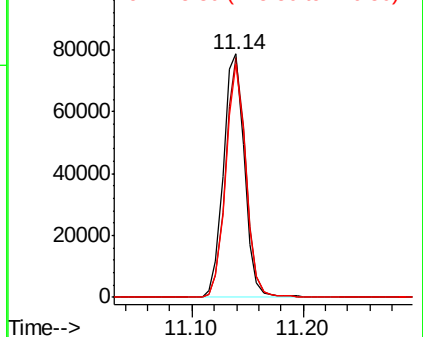
#62
4-Bromofluorobenzene
Concen: 42.197 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005600.D
Acq: 26 Oct 2018 13:05

Instrument :
MSVOA_X
ClientSampled :
VX1026MBL01

Tot Ion: 95 Resp: 102946
Ion Ratio Lower Upper
95 100
174 94.3 0.0 184.4
176 91.3 0.0 177.4

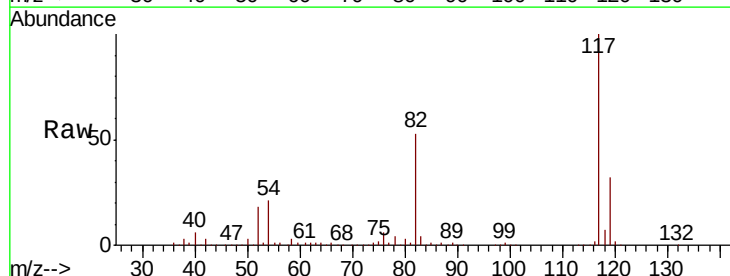


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

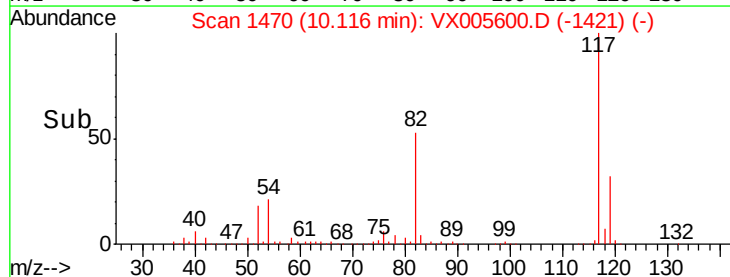
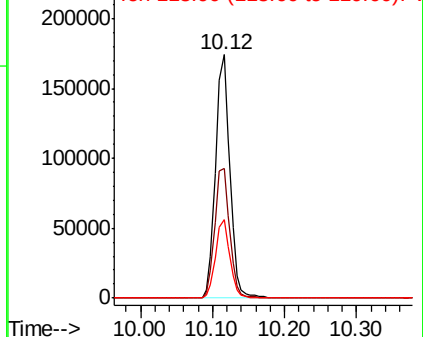


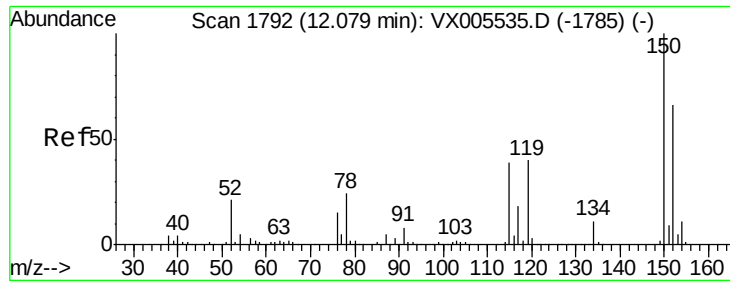
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005600.D
Acq: 26 Oct 2018 13:05

Tgt Ion: 117 Resp: 240249
Ion Ratio Lower Upper
117 100
82 53.5 44.1 66.1
119 32.1 26.2 39.2



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: VX005600.D

Acq: 26 Oct 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1026MBL01

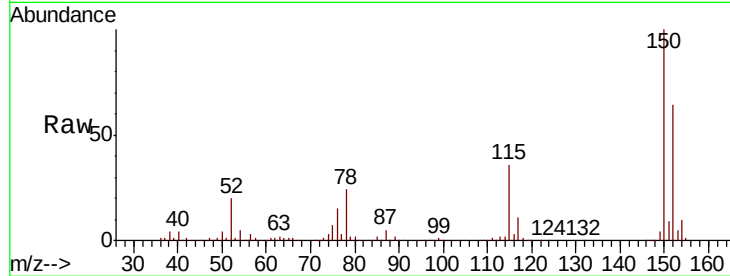
Tot Ion:152 Resp: 113969

Ion Ratio Lower Upper

152 100

115 55.9 39.4 118.1

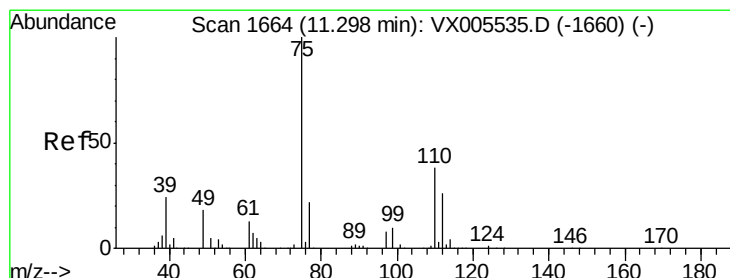
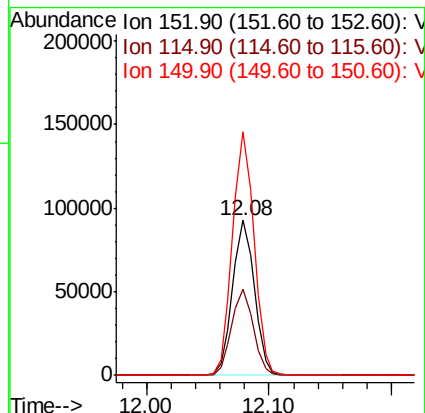
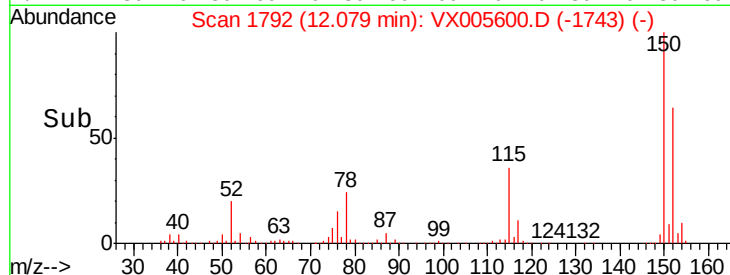
150 155.7 0.0 346.4



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: 21.894 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005600.D

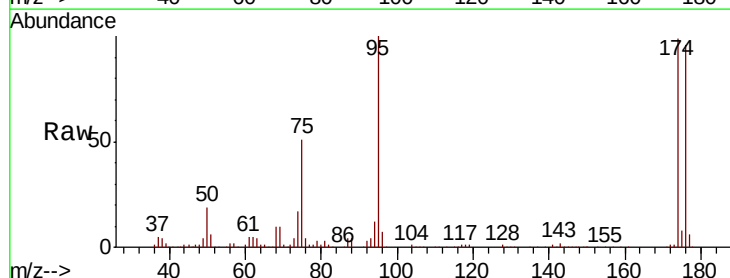
Acq: 26 Oct 2018 13:05

Tgt Ion: 75 Resp: 52867

Ion Ratio Lower Upper

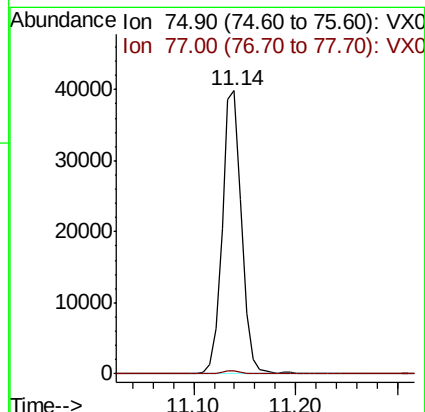
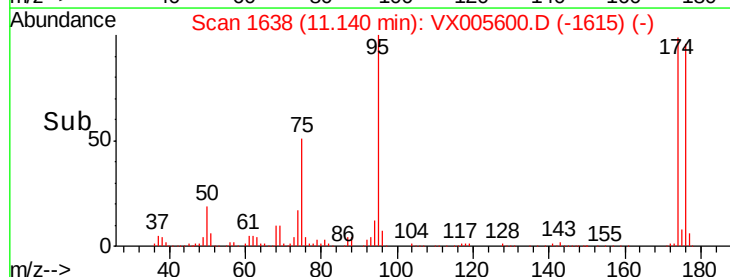
75 100

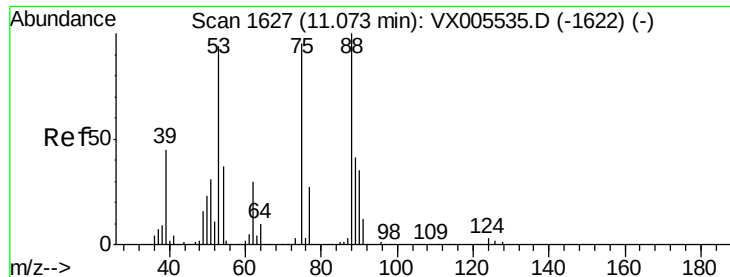
77 1.2 20.5 61.6#



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: 71.538 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005600.D

Acq: 26 Oct 2018 13:05

Instrument :

MSVOA_X

ClientSampled :

VX1026MBL01

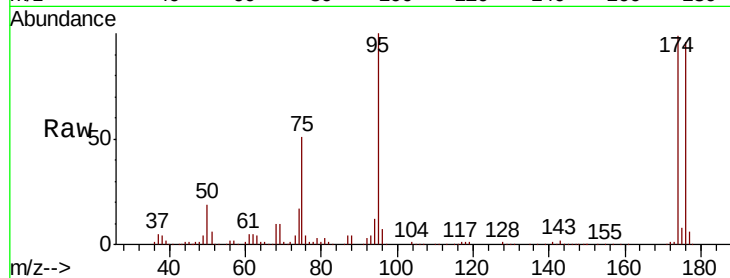
Tot Ion: 75 Resp: 52867

Ion Ratio Lower Upper

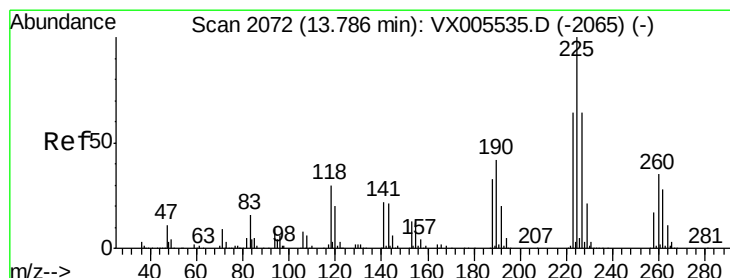
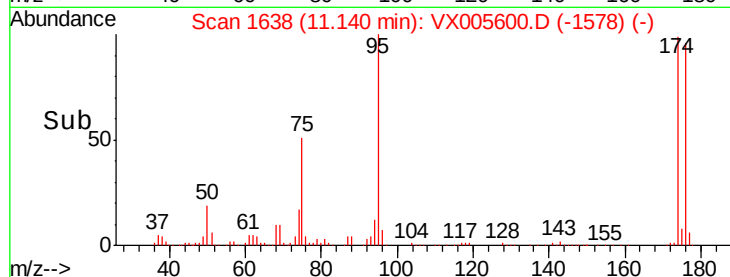
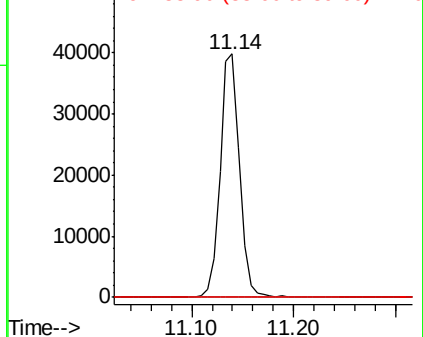
75 100

53 0.4 80.2 120.2#

89 0.0 39.8 59.8#



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



#94

Hexachlorobutadiene

Concen: 0.653 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005600.D

Acq: 26 Oct 2018 13:05

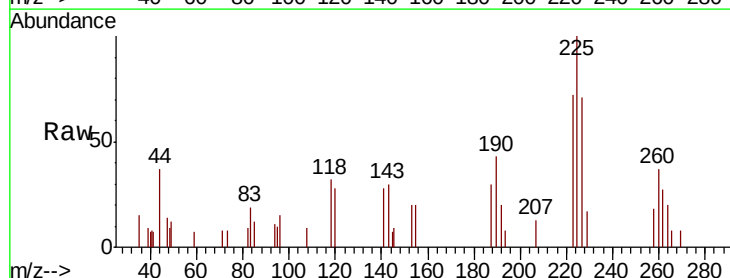
Tgt Ion: 225 Resp: 906

Ion Ratio Lower Upper

225 100

223 78.5 31.7 95.1

227 74.4 32.3 96.9



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

