

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005484.D
 Acq On : 22 Oct 2018 21:27
 Operator : JC/MD
 Sample : J5538-17 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NL-7

Quant Time: Oct 23 01:30:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	234656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141352	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	146320	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
35) Dibromofluoromethane	5.51	113	121695	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
50) Toluene-d8	8.71	98	389918	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.14	95	128771	44.12	ug/l	0.00
Spiked Amount			Recovery	=	88.24%	

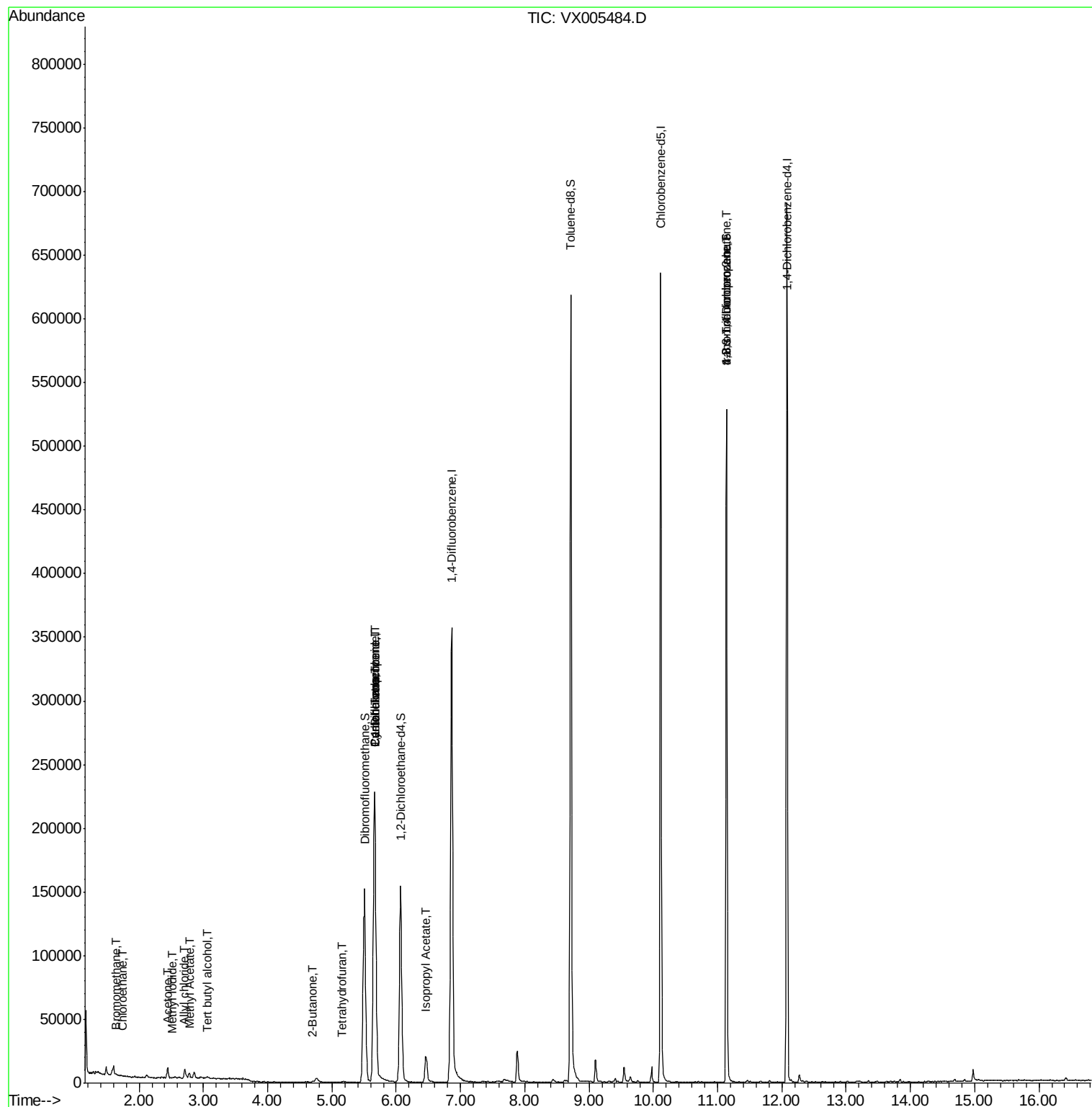
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	221	0.728	ug/l #	76
6) Chloroethane	1.75	64	112	0.398	ug/l #	1
10) Methyl Iodide	2.52	142	23	2.498	ug/l #	41
11) Tert butyl alcohol	3.06	59	1544	2.102	ug/l #	63
13) Acrolein	2.31	56	135	Below Cal	#	63
14) Allyl chloride	2.71	41	7173	1.590	ug/l #	45
16) Acetone	2.45	43	7959	5.286	ug/l	89
18) Methyl Acetate	2.78	43	5338	1.246	ug/l	93
20) Methylene Chloride	2.86	84	1809	Below Cal		98
25) 2-Butanone	4.71	43	1695	0.769	ug/l	94
29) Tetrahydrofuran	5.16	42	311	0.221	ug/l #	63
31) Cyclohexane	5.66	56	4581	1.280	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16447	4.970	ug/l #	50
38) Carbon Tetrachloride	5.66	117	21576	6.489	ug/l #	16
43) Isopropyl Acetate	6.46	43	27783	4.901	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	65173	23.770	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	65173	72.224	ug/l #	10

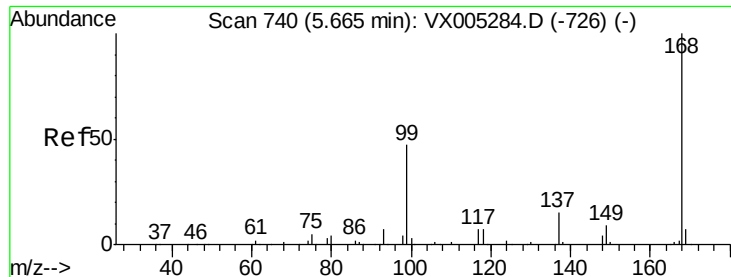
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
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: VX005484.D

Acq: 22 Oct 2018 21:27

Instrument :

MSVOA_X

ClientSampled :

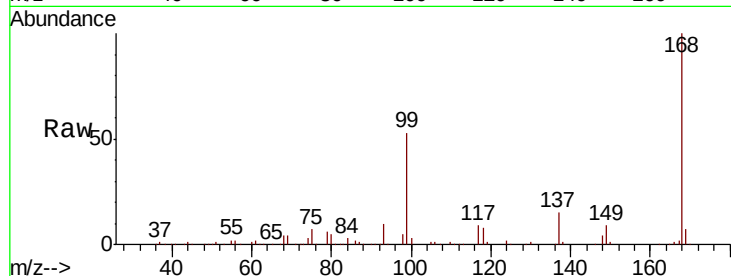
NL-7

Tot Ion:168 Resp: 234656

Ion Ratio Lower Upper

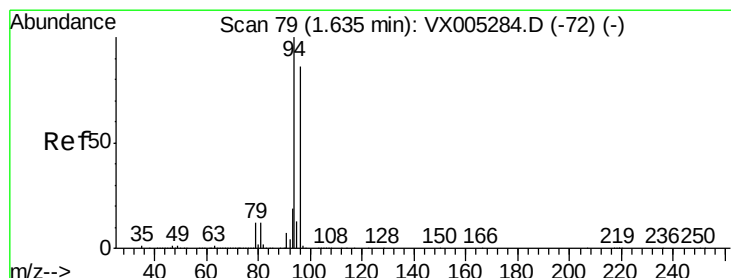
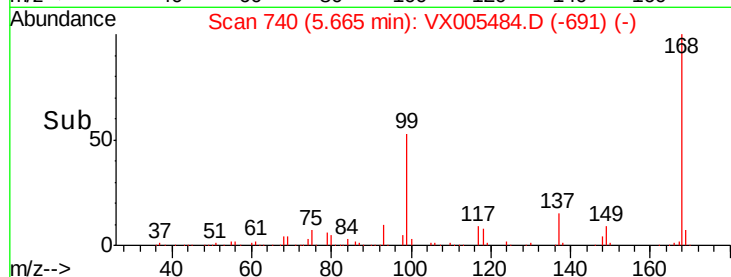
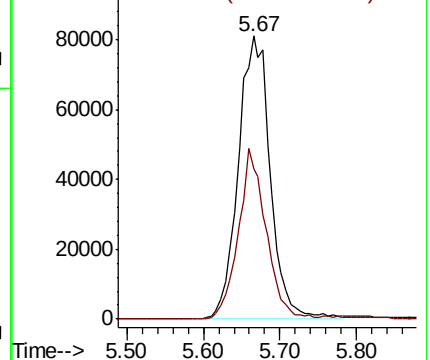
168 100

99 53.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.728 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005484.D

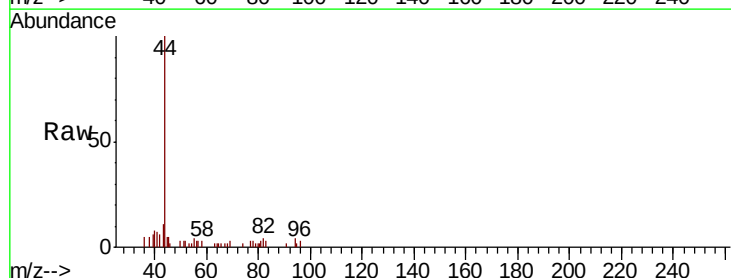
Acq: 22 Oct 2018 21:27

Tgt Ion: 94 Resp: 221

Ion Ratio Lower Upper

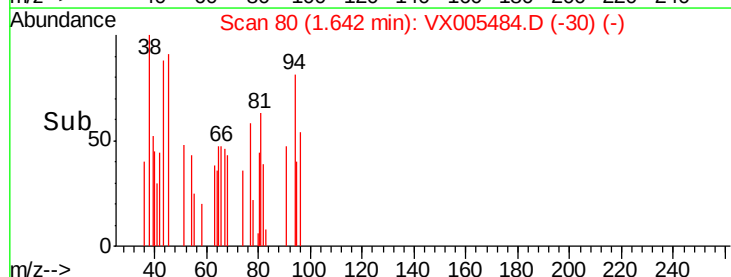
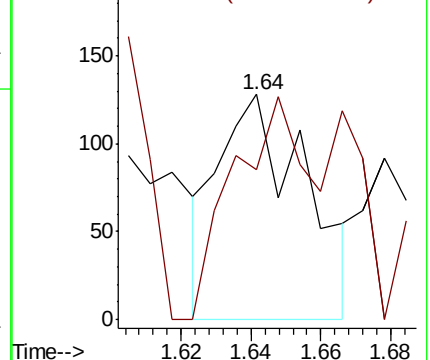
94 100

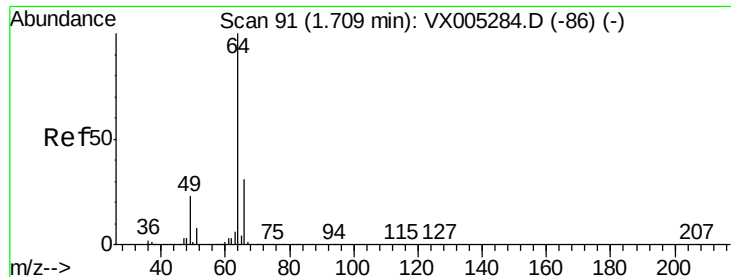
96 116.4 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.398 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.04 min

Lab File: VX005484.D

Acq: 22 Oct 2018 21:27

Instrument :

MSVOA_X

ClientSampled :

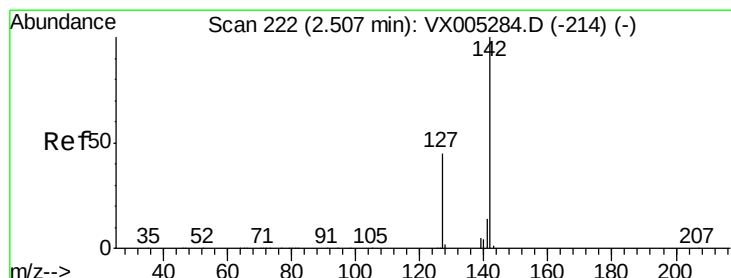
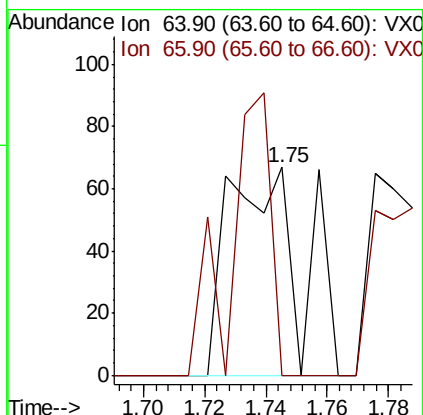
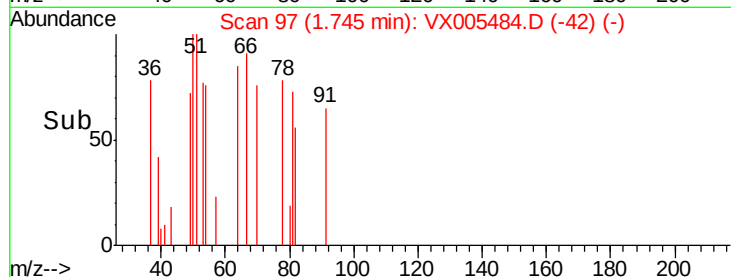
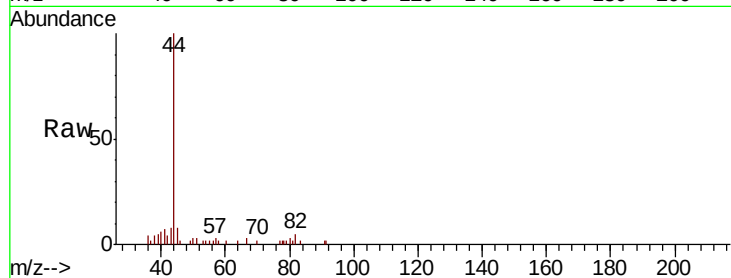
NL-7

Tot Ion: 64 Resp: 112

Ion Ratio Lower Upper

64 100

66 107.5 24.6 36.8#



#10

Methyl Iodide

Concen: 2.498 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005484.D

Acq: 22 Oct 2018 21:27

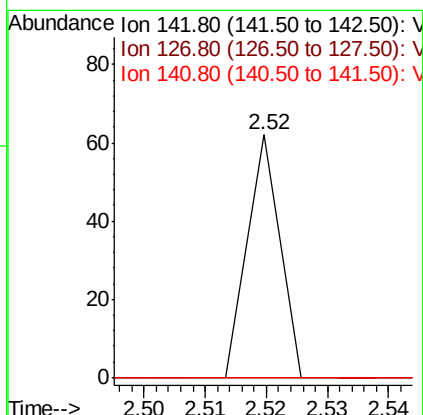
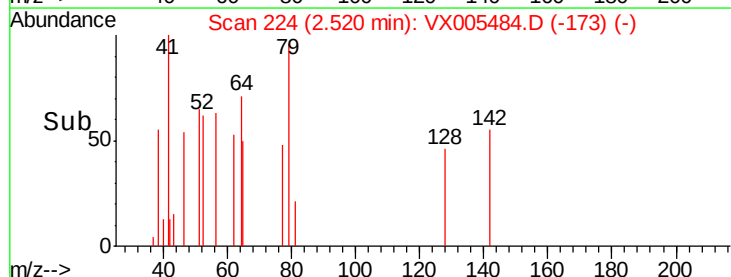
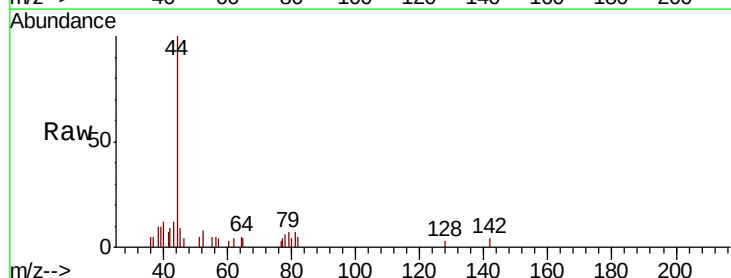
Tgt Ion: 142 Resp: 23

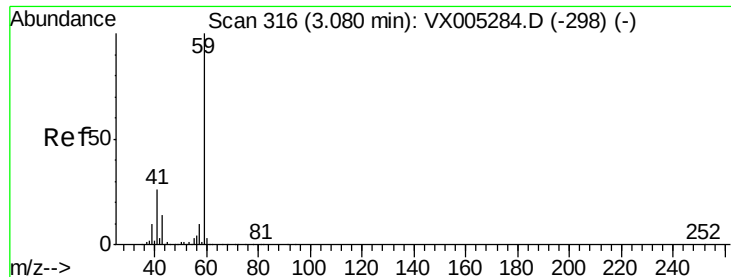
Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 2.102 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX005484.D

Acq: 22 Oct 2018 21:27

Instrument :

MSVOA_X

ClientSampled :

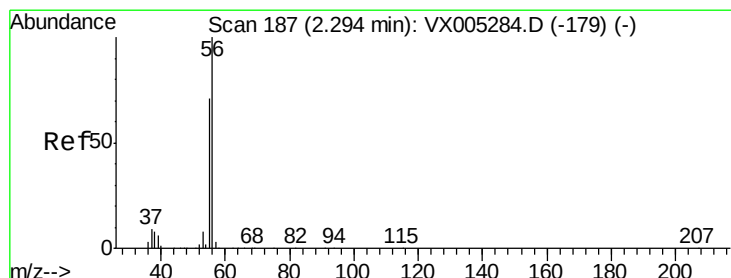
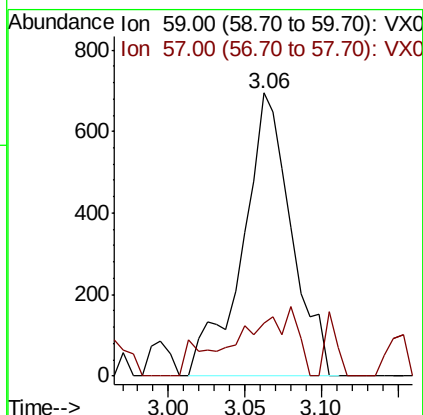
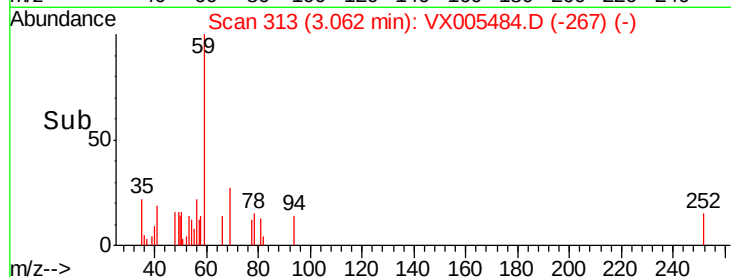
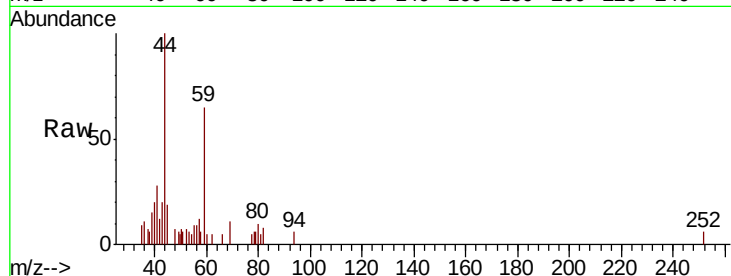
NL-7

Tot Ion: 59 Resp: 1544

Ion Ratio Lower Upper

59 100

57 24.0 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX005484.D

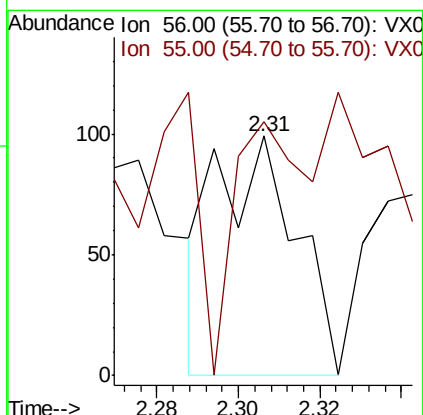
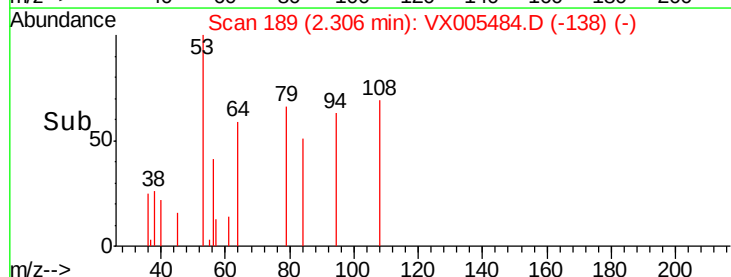
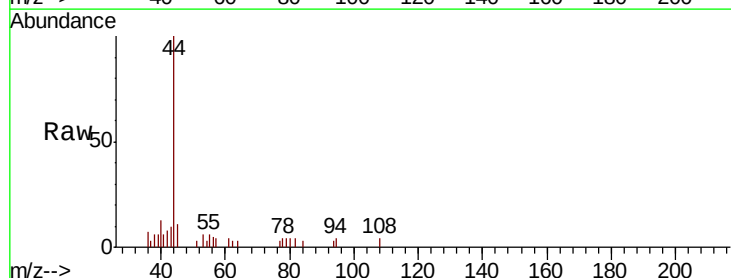
Acq: 22 Oct 2018 21:27

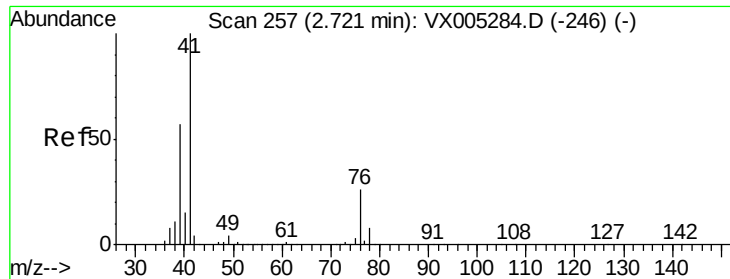
Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 98.5 54.7 82.1#





#14

Allvl chloride

Concen: 1.590 ug/l

RT: 2.71 min Scan# 255

Delta R.T. -0.01 min

Lab File: VX005484.D

Acq: 22 Oct 2018 21:27

Instrument :

MSVOA_X

ClientSampled :

NL-7

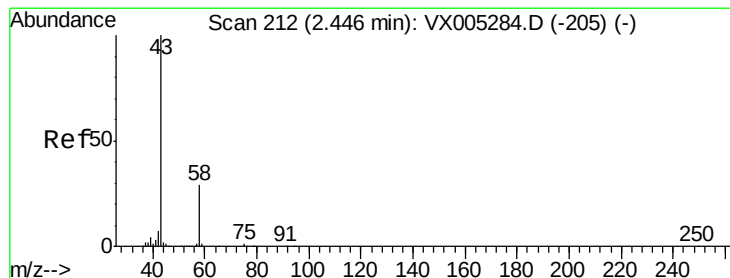
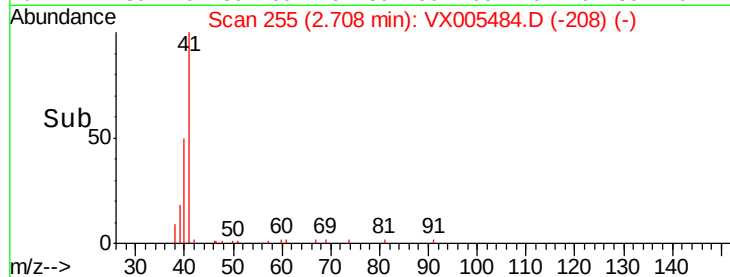
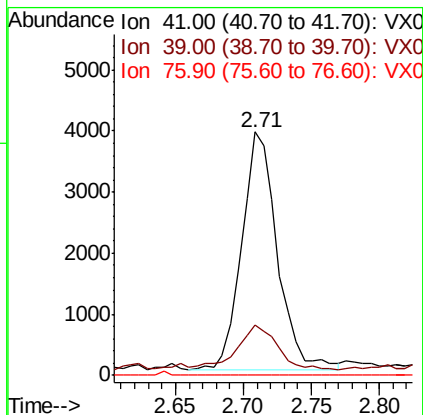
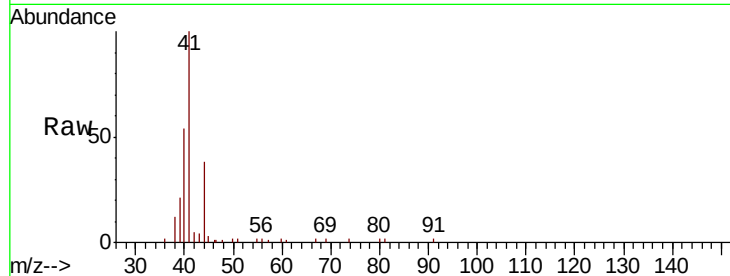
Tot Ion: 41 Resp: 7173

Ion Ratio Lower Upper

41 100

39 20.7 48.9 73.3#

76 0.0 26.7 40.1#



#16

Acetone

Concen: 5.286 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005484.D

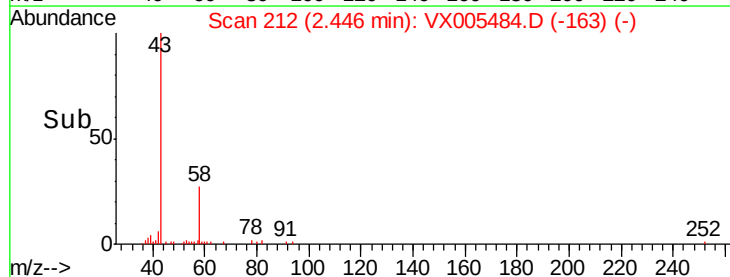
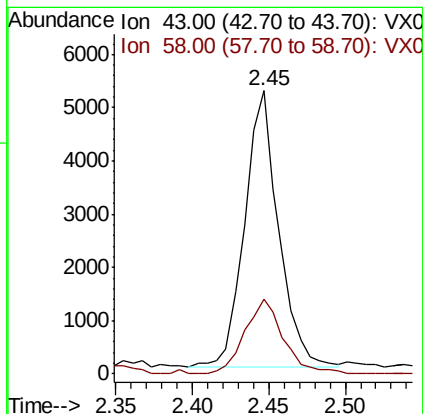
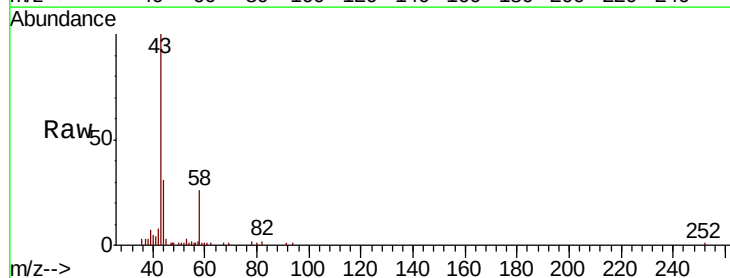
Acq: 22 Oct 2018 21:27

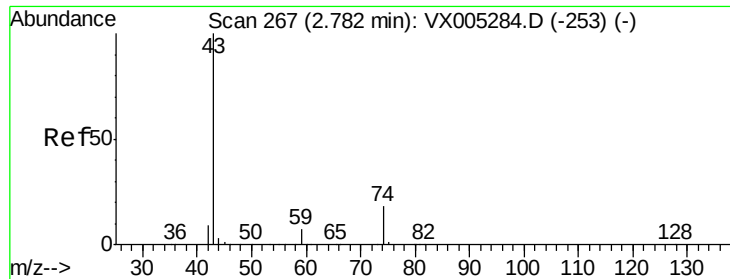
Tgt Ion: 43 Resp: 7959

Ion Ratio Lower Upper

43 100

58 26.9 26.2 39.4

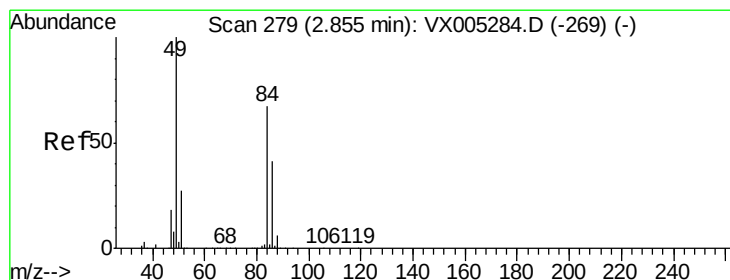
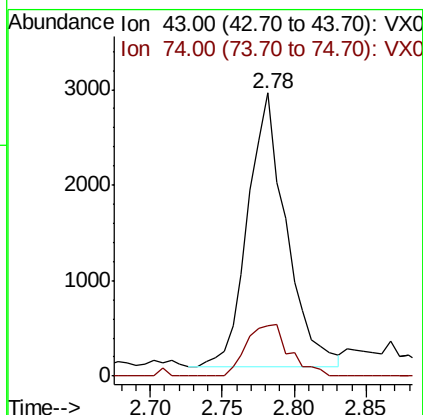
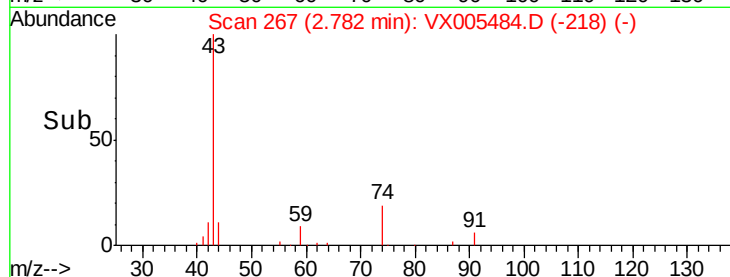
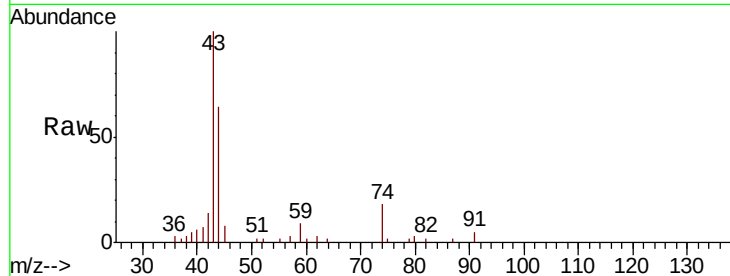




#18
Methyl Acetate
Concen: 1.246 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005484.D
Acq: 22 Oct 2018 21:27

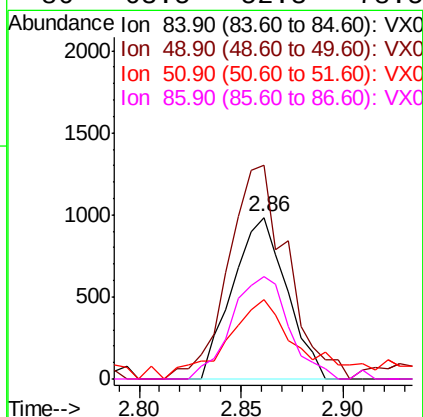
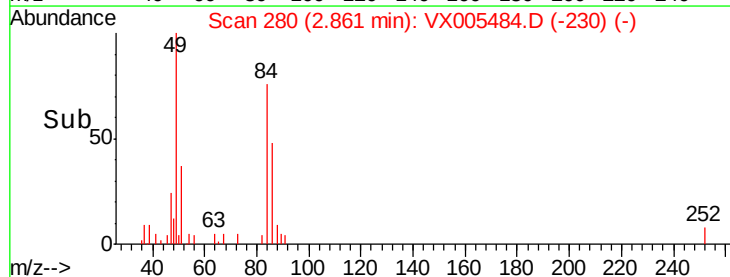
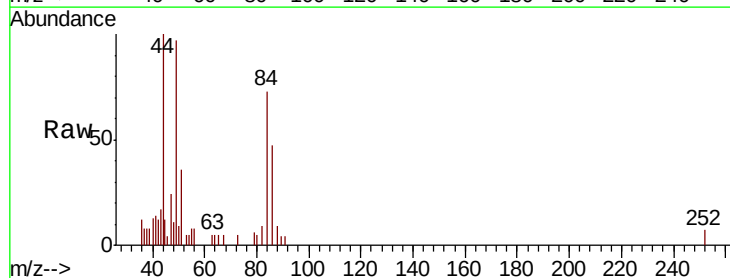
Instrument :
MSVOA_X
ClientSampled :
NL-7

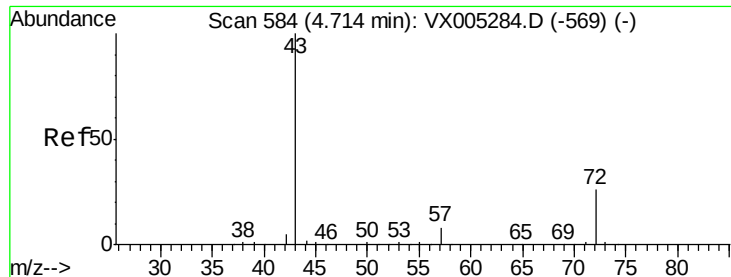
Tot Ion: 43 Resp: 5338
Ion Ratio Lower Upper
43 100
74 20.9 19.4 29.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005484.D
Acq: 22 Oct 2018 21:27

Tgt Ion: 84 Resp: 1809
Ion Ratio Lower Upper
84 100
49 126.1 101.2 151.8
51 40.4 29.5 44.3
86 63.5 52.3 78.5

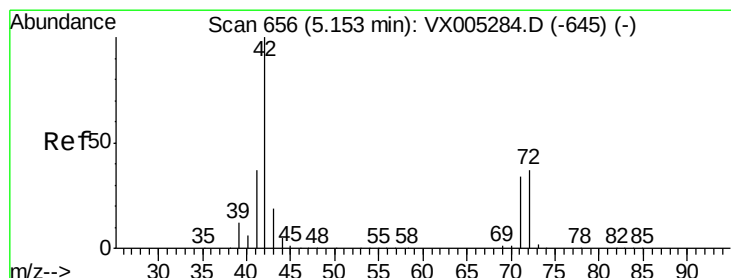
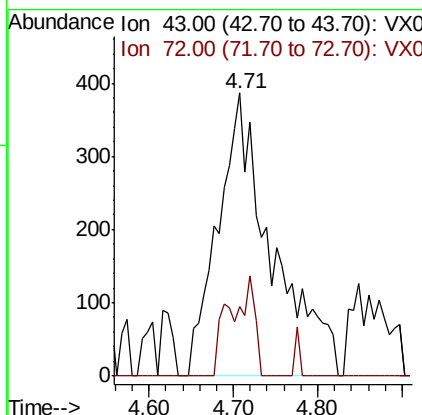
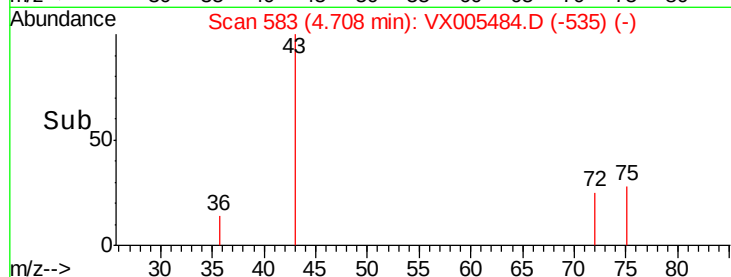
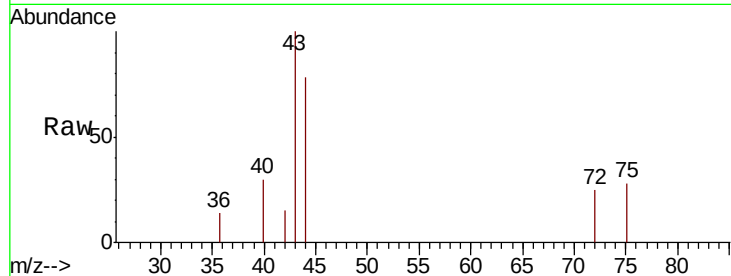




#25
2-Butanone
Concen: 0.769 ug/l
RT: 4.71 min Scan# 583
Delta R.T. -0.01 min
Lab File: VX005484.D
Acq: 22 Oct 2018 21:27

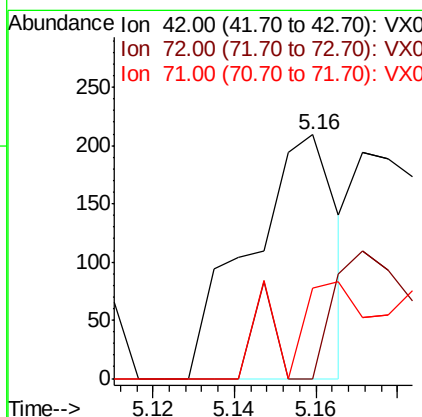
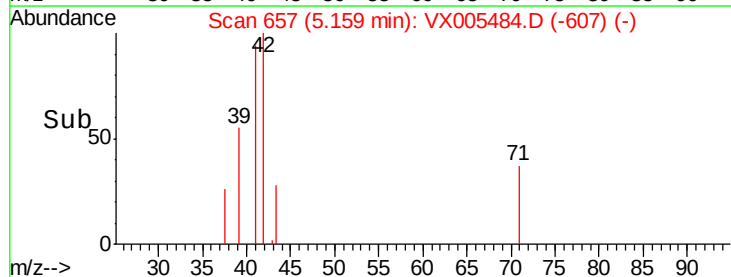
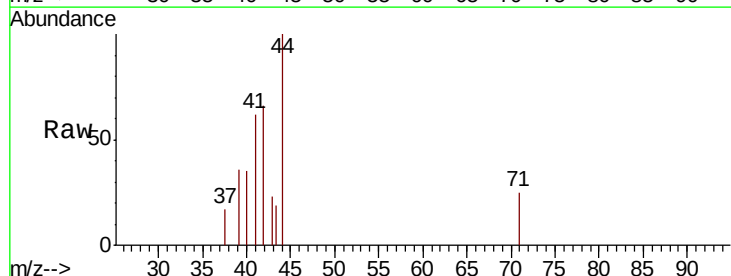
Instrument :
MSVOA_X
ClientSampled :
NL-7

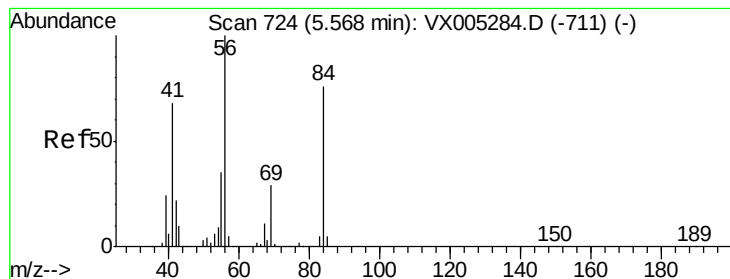
Tot Ion: 43 Resp: 1695
Ion Ratio Lower Upper
43 100
72 24.5 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005484.D
Acq: 22 Oct 2018 21:27

Tgt Ion: 42 Resp: 311
Ion Ratio Lower Upper
42 100
72 52.4 37.4 56.0
71 0.0 34.5 51.7#





#31

Cyclohexane

Concen: 1.280 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005484.D

Acq: 22 Oct 2018 21:27

Instrument :

MSVOA_X

ClientSampleId :

NL-7

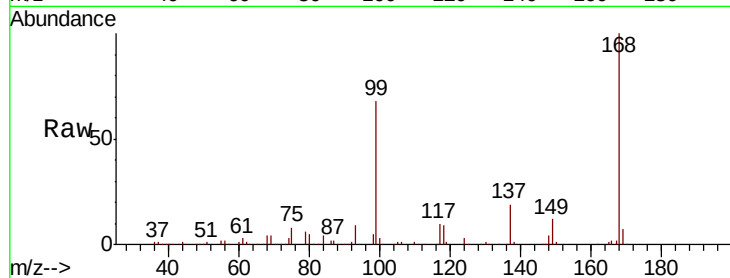
Tot Ion: 56 Resp: 4581

Ion Ratio Lower Upper

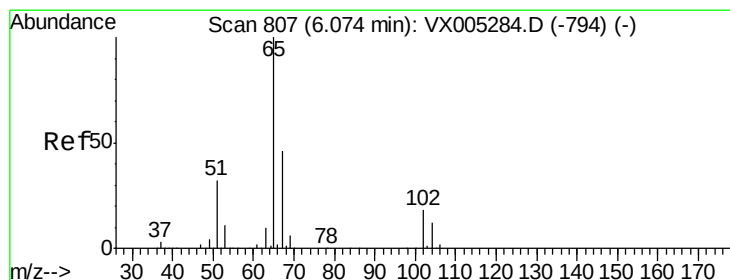
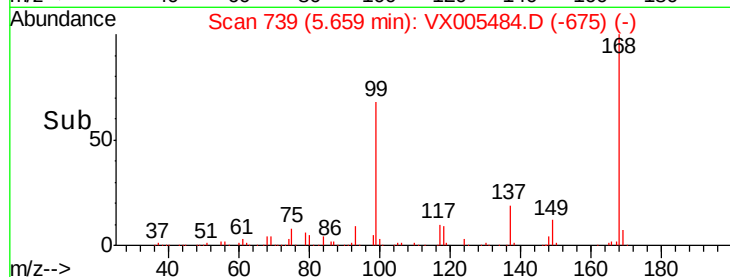
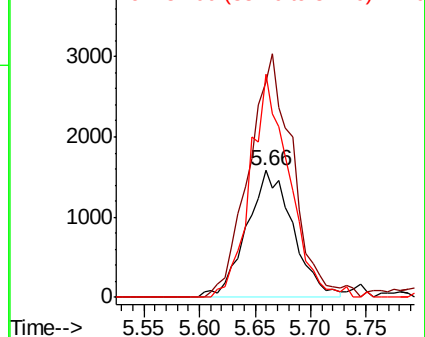
56 100

69 169.8 25.4 38.2#

84 176.3 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



#33

1,2-Dichloroethane-d4

Concen: 56.183 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005484.D

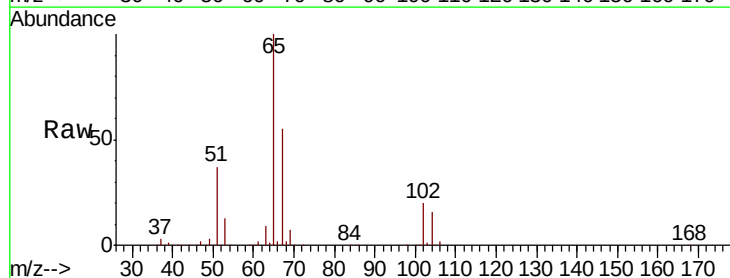
Acq: 22 Oct 2018 21:27

Tgt Ion: 65 Resp: 146320

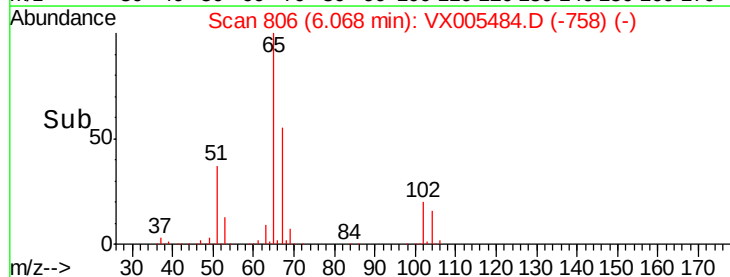
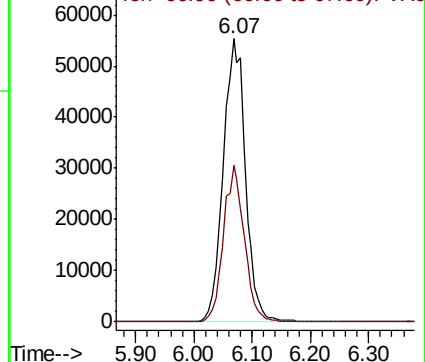
Ion Ratio Lower Upper

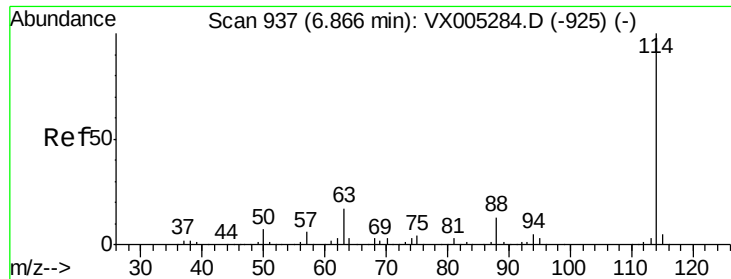
65 100

67 51.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

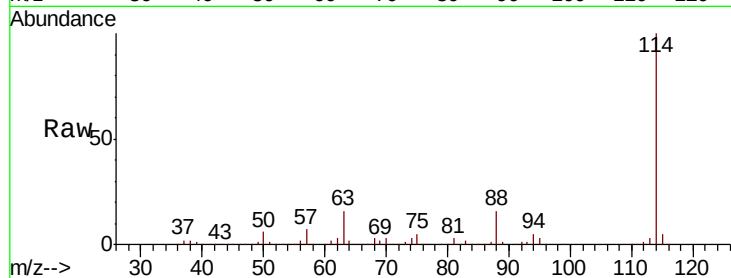




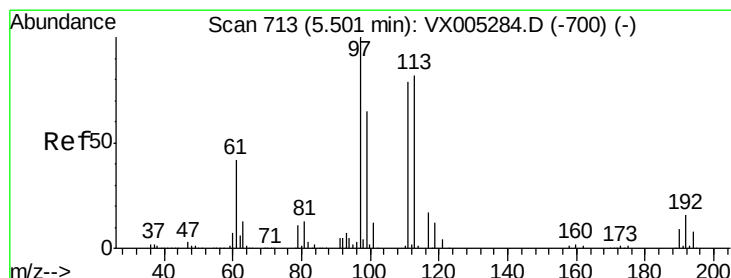
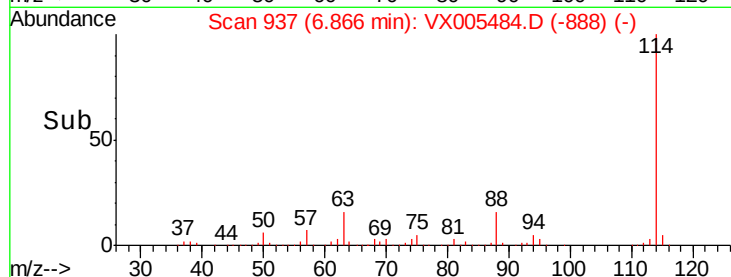
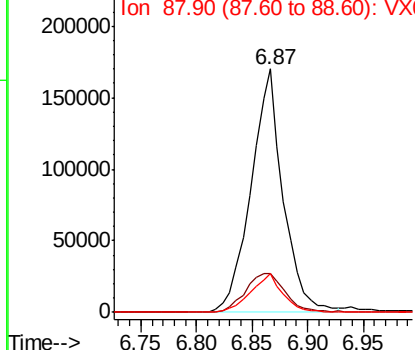
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.00 min
Lab File: VX005484.D
Acq: 22 Oct 2018 21:27

Instrument :
MSVOA_X
ClientSampled :
NL-7

Tot Ion:114 Resp: 341666
Ion Ratio Lower Upper
114 100
63 15.7 0.0 39.0
88 16.0 0.0 30.4

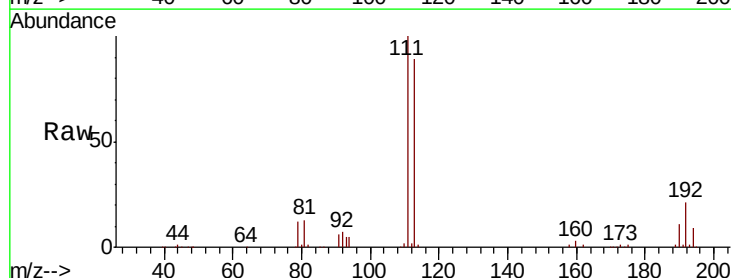


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

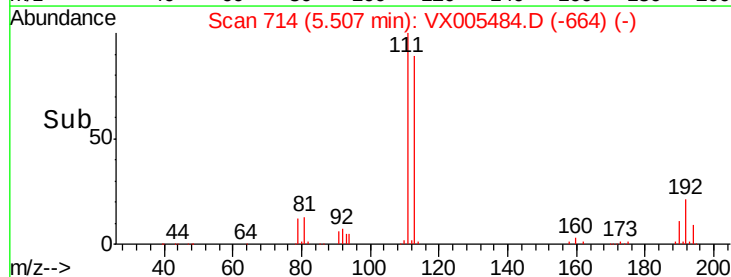
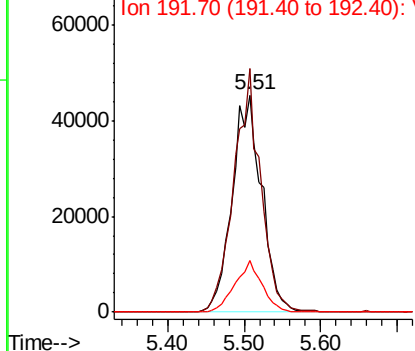


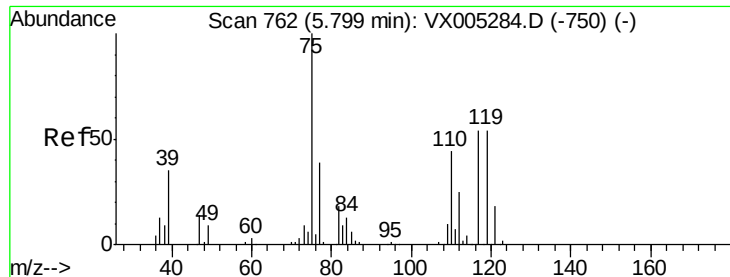
#35
Dibromofluoromethane
Concen: 53.777 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005484.D
Acq: 22 Oct 2018 21:27

Tgt Ion:113 Resp: 121695
Ion Ratio Lower Upper
113 100
111 100.9 82.4 123.6
192 21.9 19.4 29.2



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

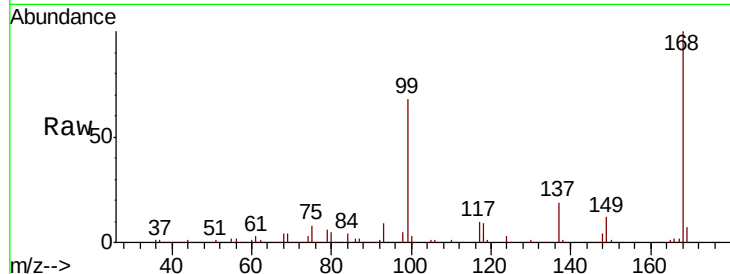




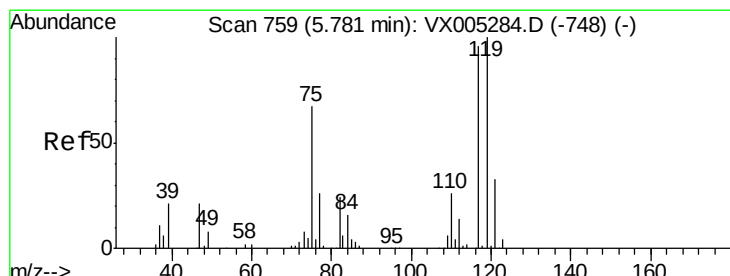
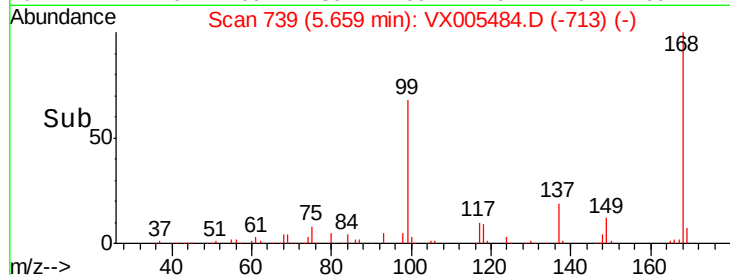
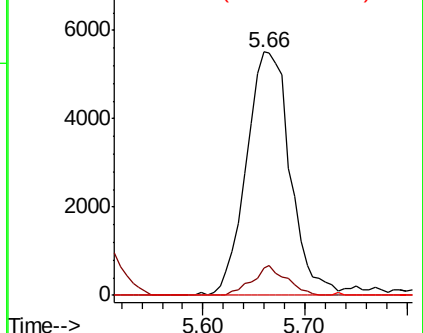
#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005484.D
 Acq: 22 Oct 2018 21:27

Instrument :
 MSVOA_X
 ClientSampleId :
 NL-7

Tot Ion	75	Resp	16447
Ion Ratio	100	Lower	Upper
75	100		
110	9.5	18.0	54.0#
77	0.0	24.6	36.8#

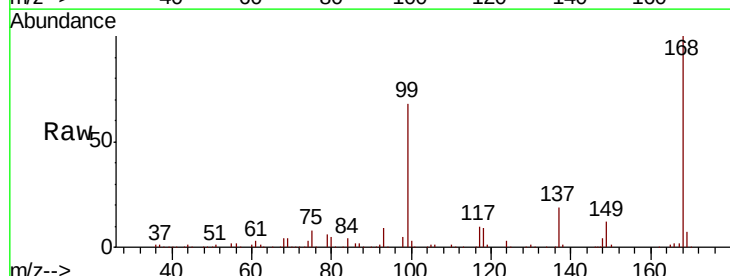


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

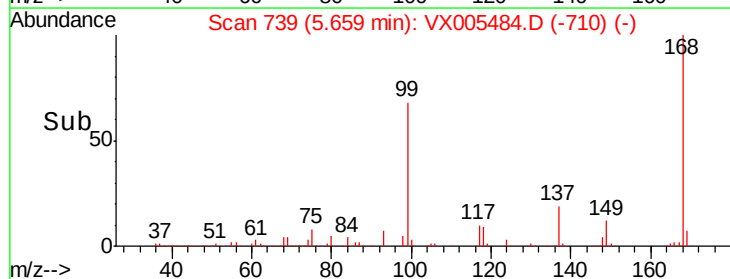
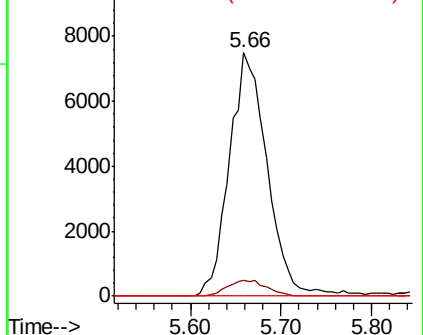


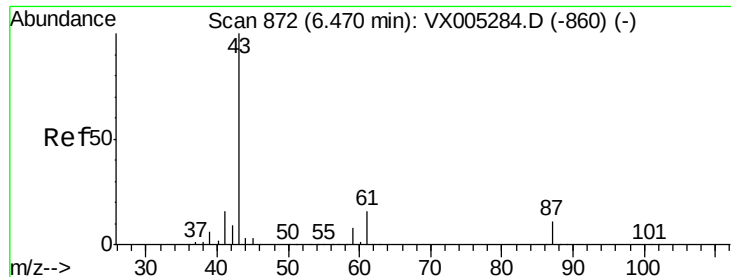
#38
 Carbon Tetrachloride
 Concen: 6.489 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005484.D
 Acq: 22 Oct 2018 21:27

Tgt Ion	117	Resp	21576
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.5	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





#43

Isopropyl Acetate

Concen: 4.901 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005484.D

Acq: 22 Oct 2018 21:27

Instrument :

MSVOA_X

ClientSampled :

NL-7

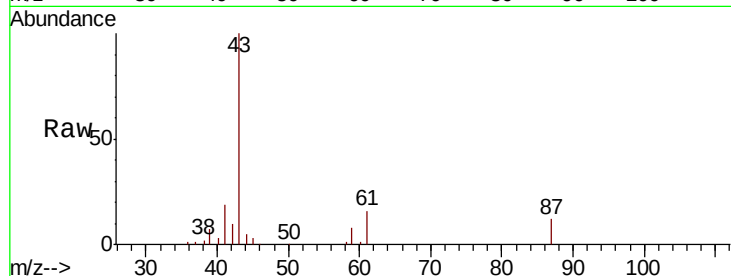
Tot Ion: 43 Resp: 27783

Ion Ratio Lower Upper

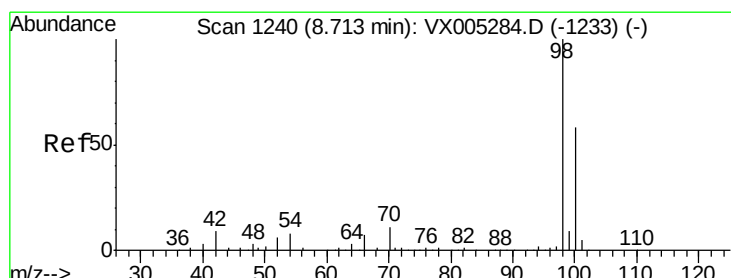
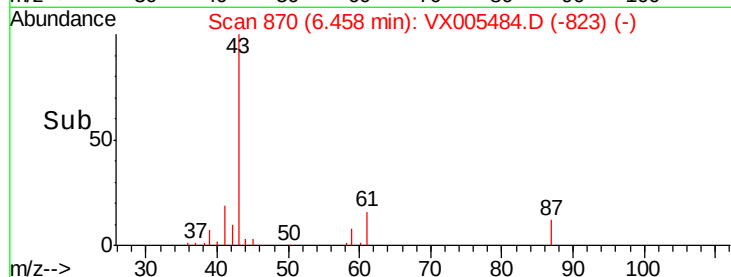
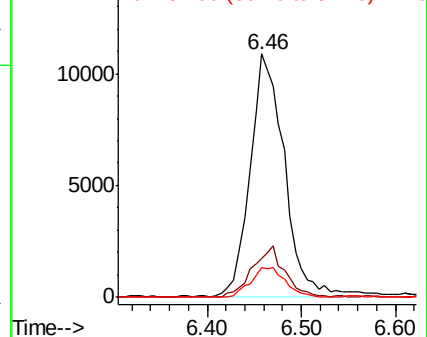
43 100

61 19.9 17.0 25.4

87 12.4 11.4 17.2



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



#50

Toluene-d8

Concen: 50.190 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005484.D

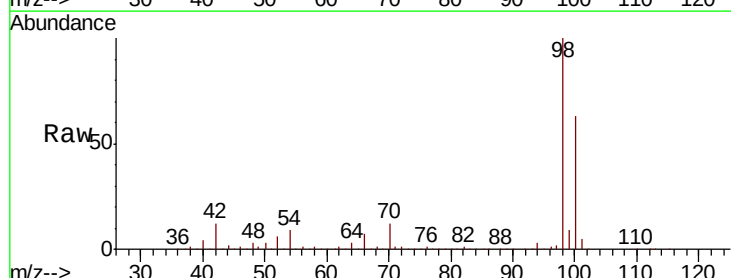
Acq: 22 Oct 2018 21:27

Tgt Ion: 98 Resp: 389918

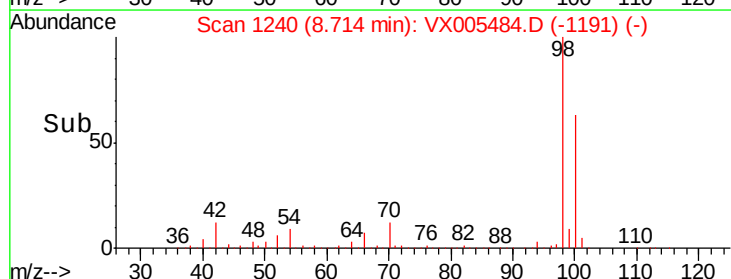
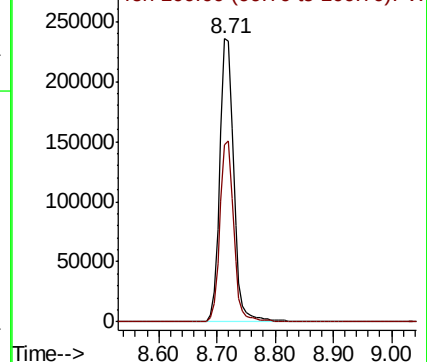
Ion Ratio Lower Upper

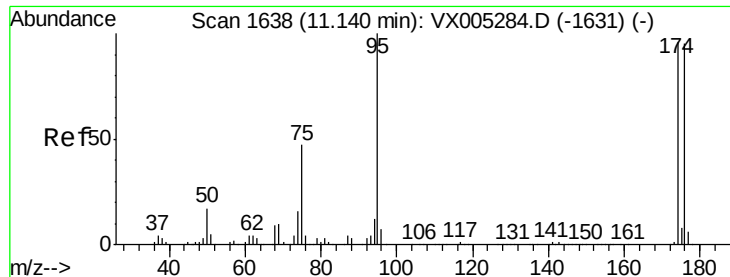
98 100

100 63.2 52.9 79.3



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

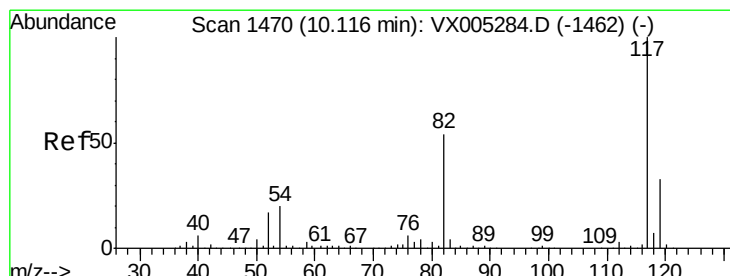
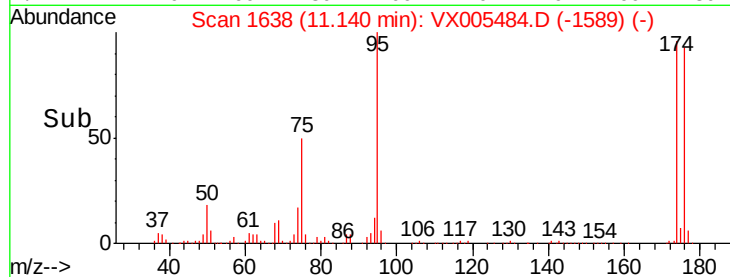
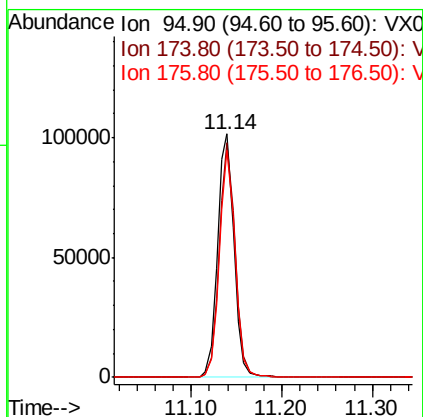
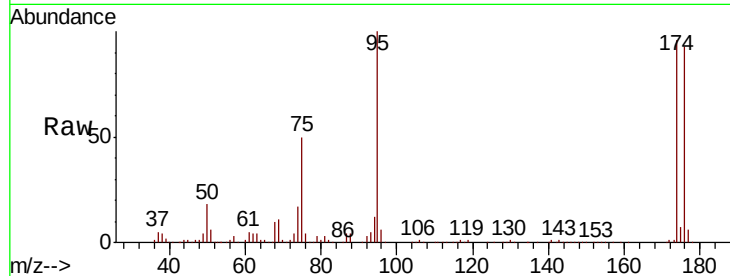




#62
4-Bromofluorobenzene
Concen: 44.123 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005484.D
Acq: 22 Oct 2018 21:27

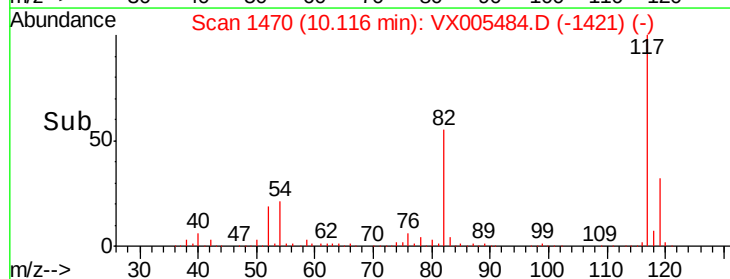
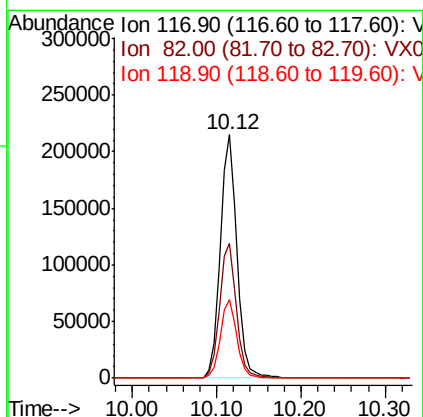
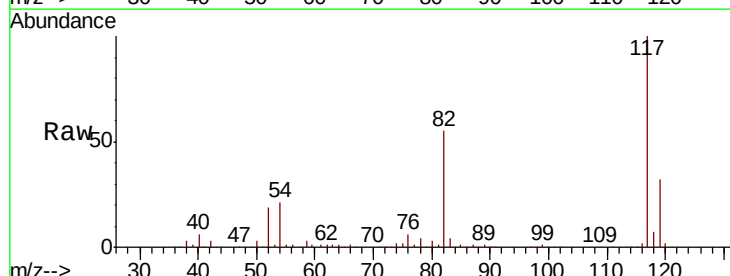
Instrument :
MSVOA_X
ClientSampleId :
NL-7

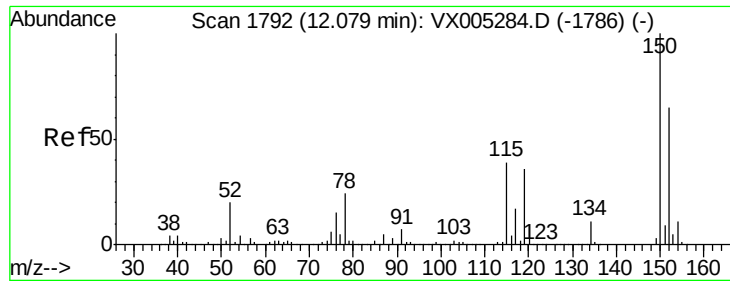
Tot Ion: 95 Resp: 128771
Ion Ratio Lower Upper
95 100
174 93.4 0.0 185.2
176 89.3 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005484.D
Acq: 22 Oct 2018 21:27

Tgt Ion: 117 Resp: 294656
Ion Ratio Lower Upper
117 100
82 55.2 47.8 71.6
119 32.0 29.3 43.9

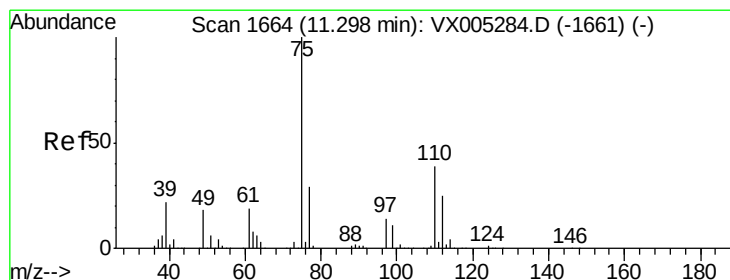
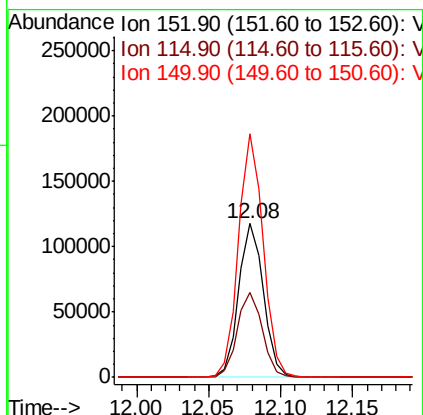
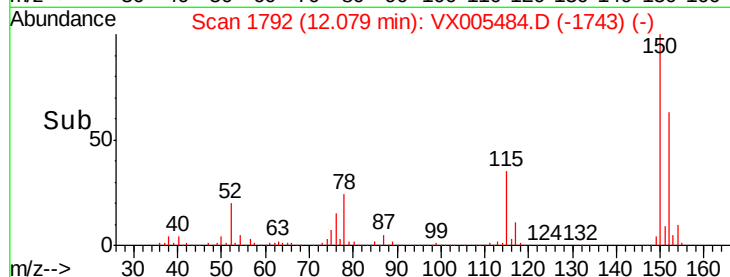
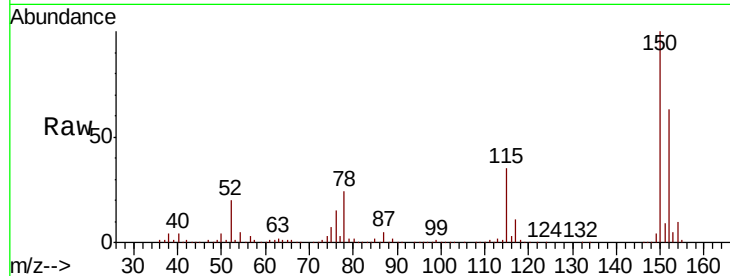




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX005484.D
 Acq: 22 Oct 2018 21:27

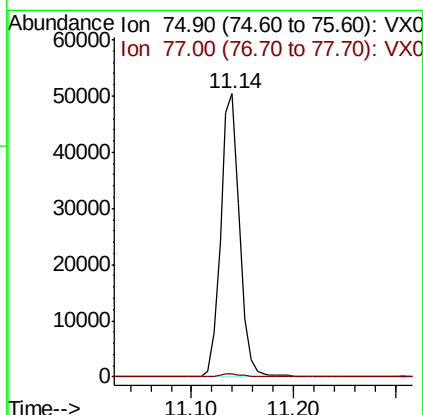
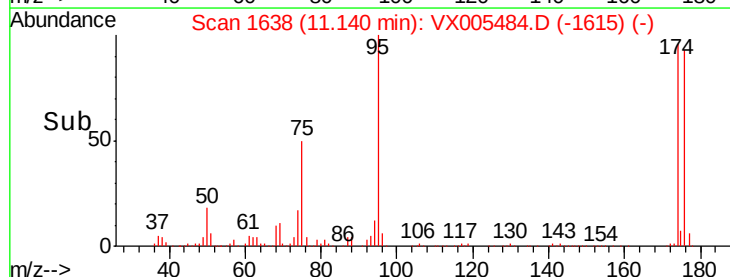
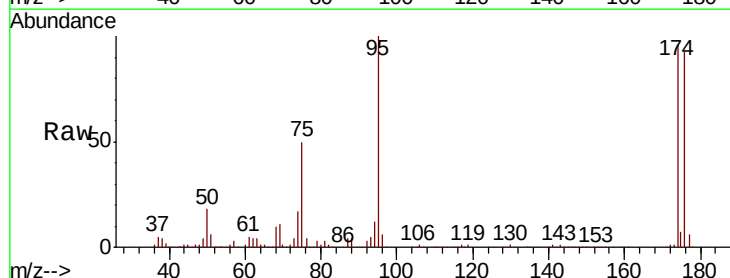
Instrument :
 MSVOA_X
 ClientSampleId :
 NL-7

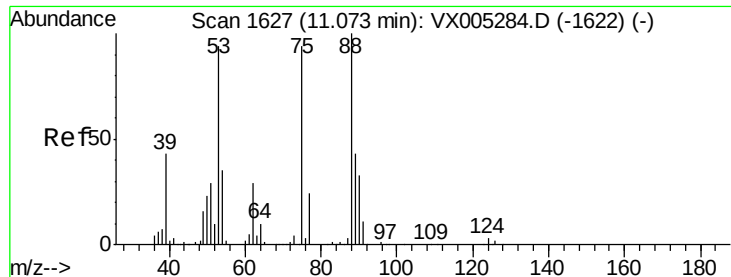
Tot Ion:152 Resp: 141352
 Ion Ratio Lower Upper
 152 100
 115 55.8 39.0 117.0
 150 157.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 23.770 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005484.D
 Acq: 22 Oct 2018 21:27

Tgt Ion: 75 Resp: 65173
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 72.224 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005484.D

Acq: 22 Oct 2018 21:27

Instrument :

MSVOA_X

ClientSampleId :

NL-7

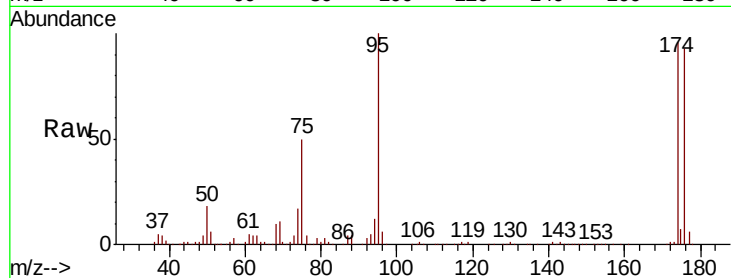
Tot Ion: 75 Resp: 65173

Ion Ratio Lower Upper

75 100

53 0.4 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

