

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX030719\
 Data File : VX007884.D
 Acq On : 07 Mar 2019 15:24
 Operator : JC/SP
 Sample : K1761-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 N4871

Quant Time: Mar 08 04:43:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	288244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	449139	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	423238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202066	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	160600	52.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.64%		
35) Dibromofluoromethane	5.50	113	147002	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.34%		
50) Toluene-d8	8.71	98	541629	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.66%		
62) 4-Bromofluorobenzene	11.13	95	198704	53.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.42%		

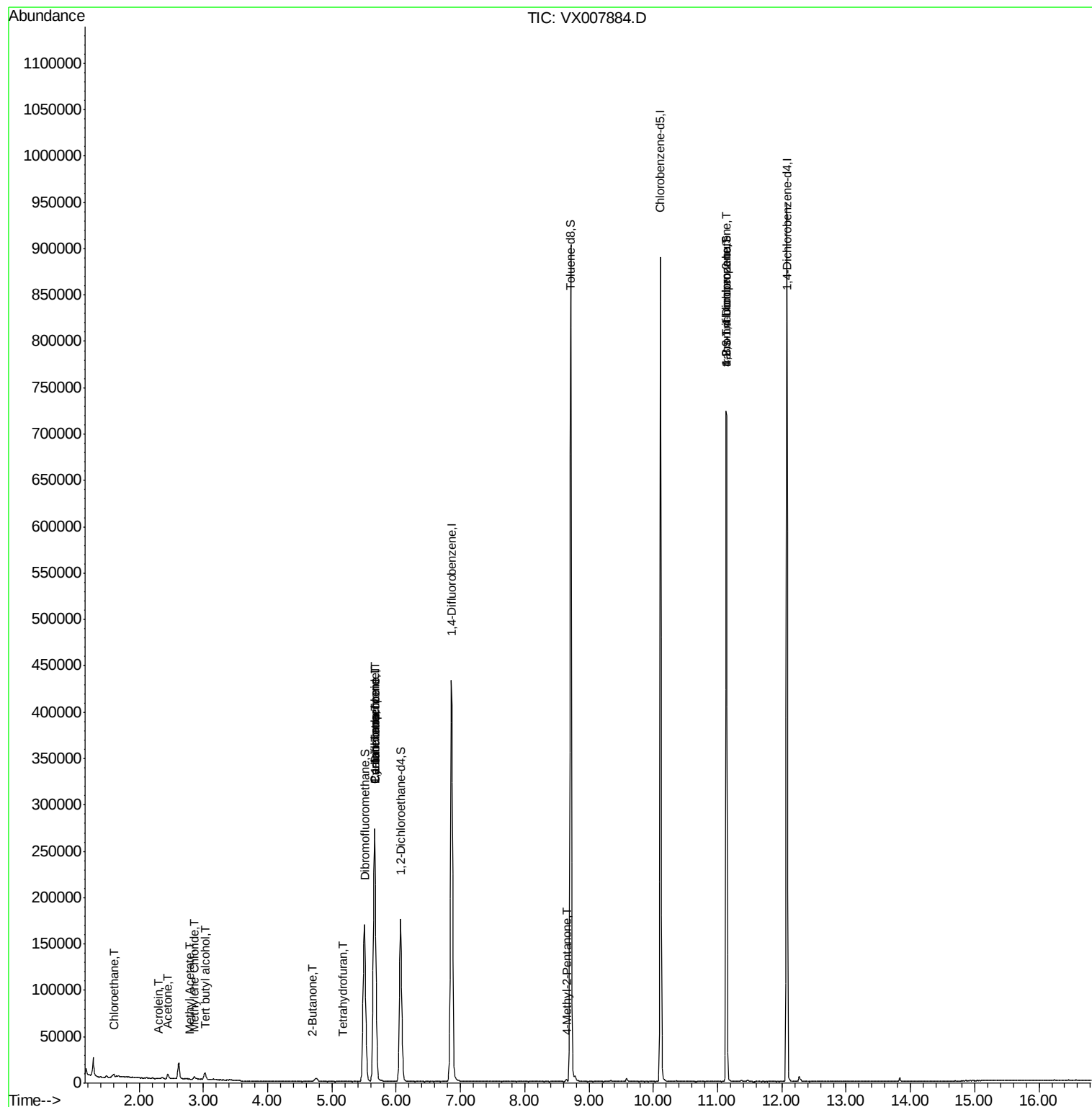
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	373	Below Cal	#	59
6) Chloroethane	1.62	64	453	0.216	ug/l #	52
11) Tert butyl alcohol	3.03	59	4958	7.291	ug/l #	74
13) Acrolein	2.30	56	404	2.585	ug/l #	78
16) Acetone	2.45	43	5597	3.180	ug/l	96
17) Carbon Disulfide	2.57	76	904	Below Cal		98
18) Methyl Acetate	2.78	43	981	0.262	ug/l #	89
20) Methylene Chloride	2.86	84	1157	0.413	ug/l #	91
25) 2-Butanone	4.70	43	694	0.279	ug/l #	88
29) Tetrahydrofuran	5.16	42	708	0.456	ug/l #	53
31) Cyclohexane	5.67	56	4556	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18125	4.457	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24610	6.374	ug/l #	17
51) 4-Methyl-2-Pentanone	8.65	43	1251	0.272	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	91255	21.521	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	91255	68.793	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007884.D

Acq: 07 Mar 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

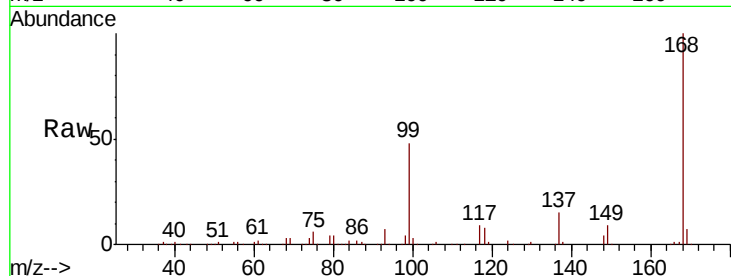
N4871

Tgt Ion:168 Resp: 288244

Ion Ratio Lower Upper

168 100

99 48.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

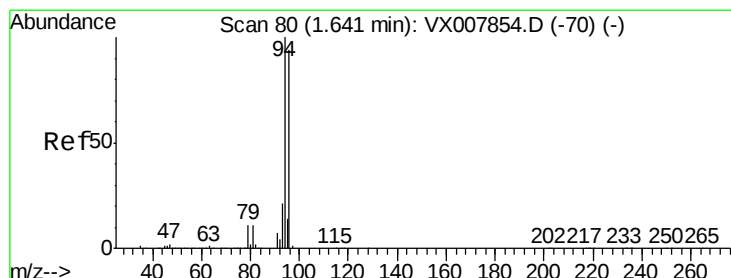
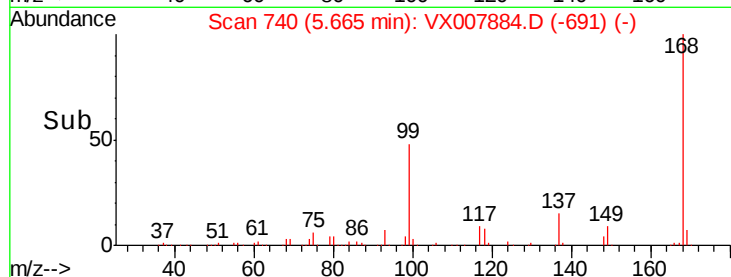
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007884.D

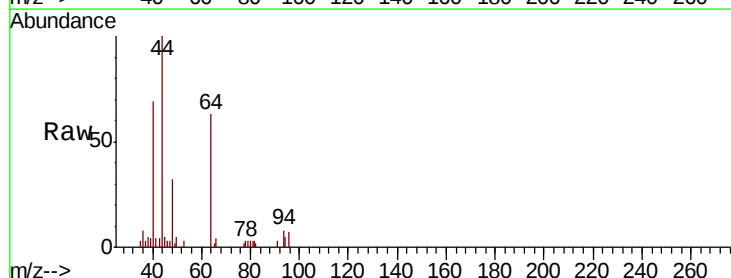
Acq: 07 Mar 2019 15:24

Tgt Ion: 94 Resp: 373

Ion Ratio Lower Upper

94 100

96 54.4 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

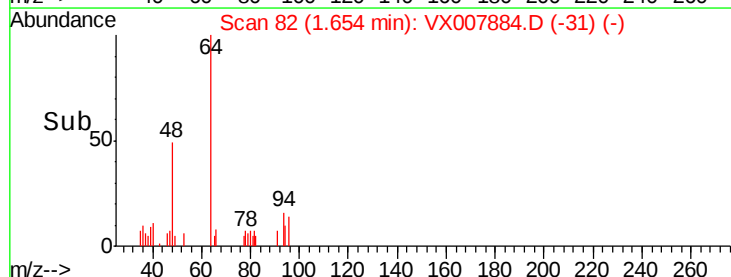
150

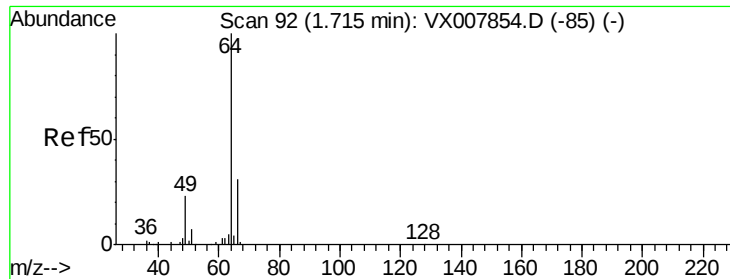
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.216 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.10 min

Lab File: VX007884.D

Acq: 07 Mar 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

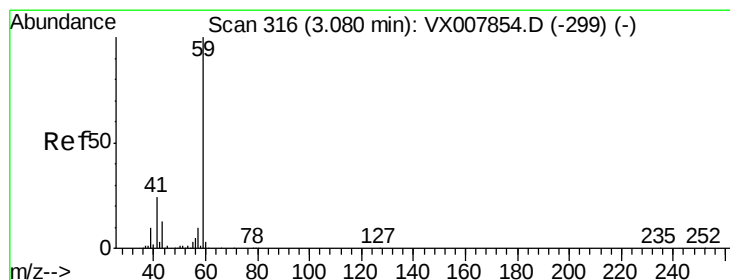
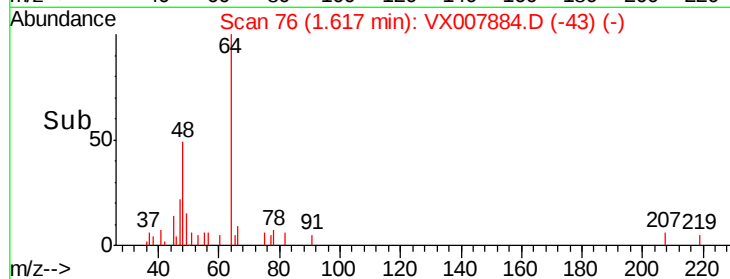
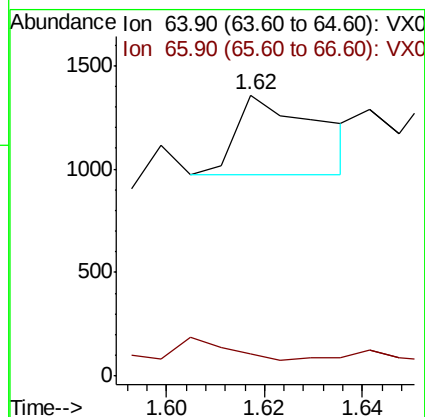
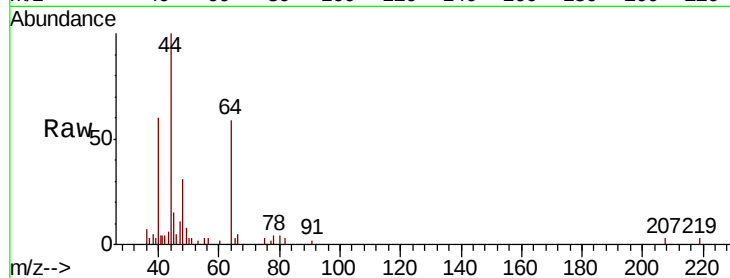
N4871

Tgt Ion: 64 Resp: 453

Ion Ratio Lower Upper

64 100

66 4.7 25.2 37.8#



#11

Tert butyl alcohol

Concen: 7.291 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007884.D

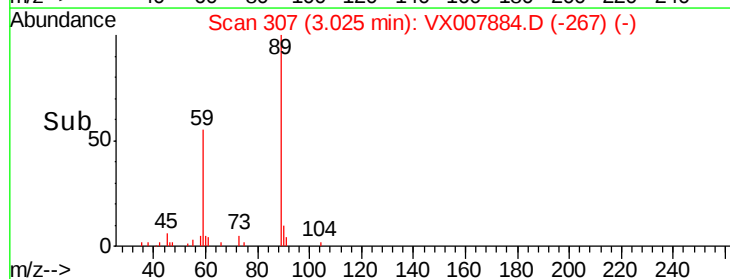
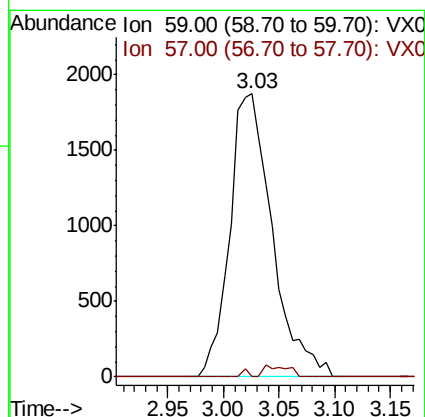
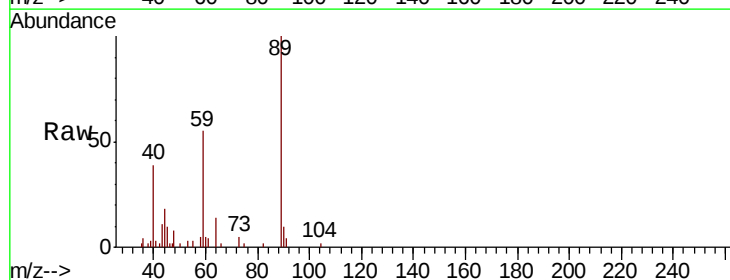
Acq: 07 Mar 2019 15:24

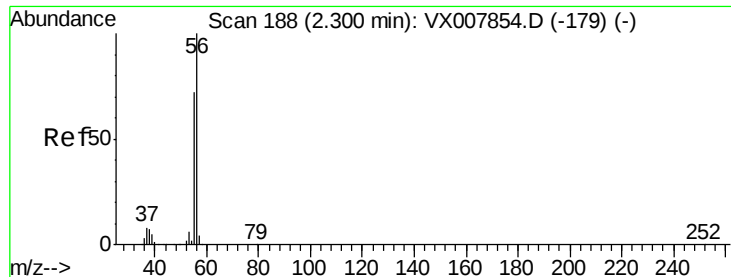
Tgt Ion: 59 Resp: 4958

Ion Ratio Lower Upper

59 100

57 0.4 8.2 12.2#

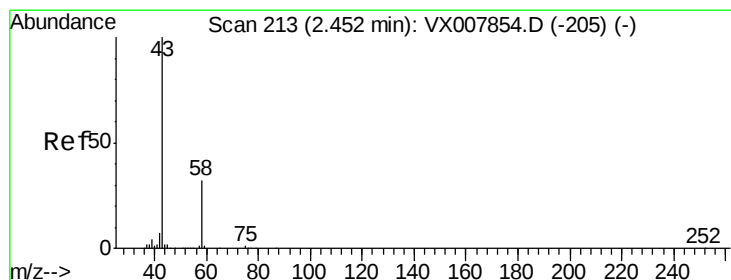
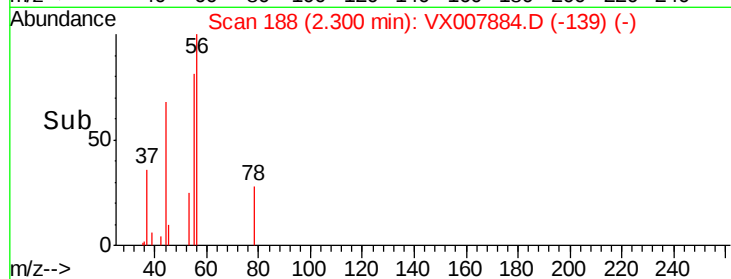
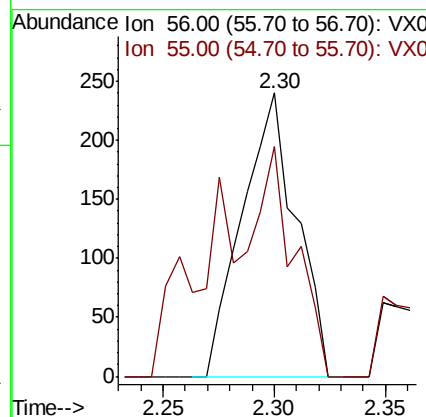
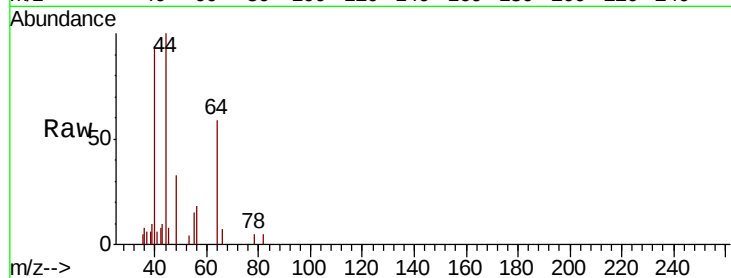




#13
Acrolein
Concen: 2.585 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX007884.D
Acq: 07 Mar 2019 15:24

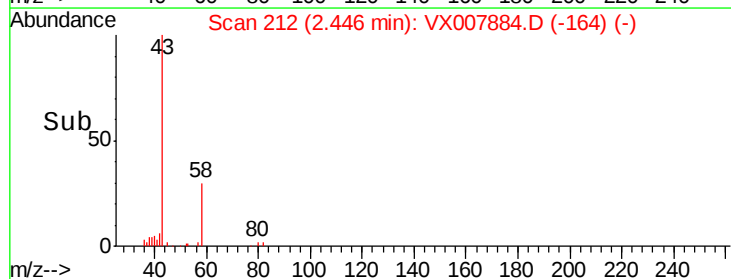
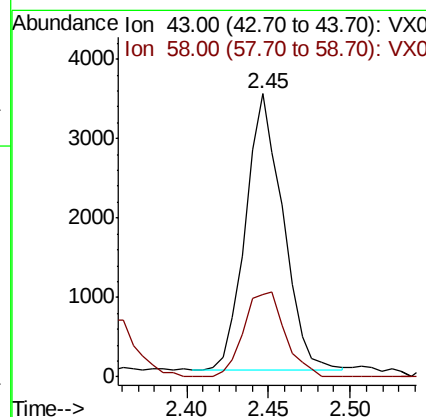
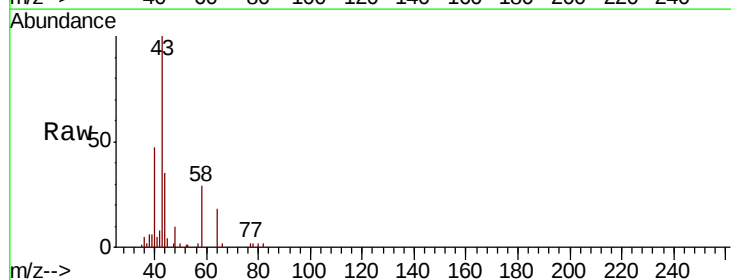
Instrument :
MSVOA_X
ClientSampleId :
N4871

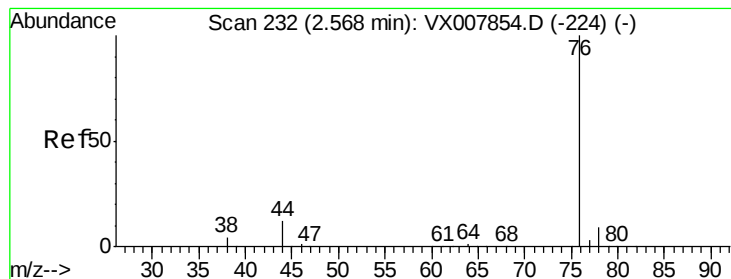
Tgt Ion: 56 Resp: 404
Ion Ratio Lower Upper
56 100
55 54.0 57.8 86.6#



#16
Acetone
Concen: 3.180 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX007884.D
Acq: 07 Mar 2019 15:24

Tgt Ion: 43 Resp: 5597
Ion Ratio Lower Upper
43 100
58 29.8 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007884.D

Acq: 07 Mar 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

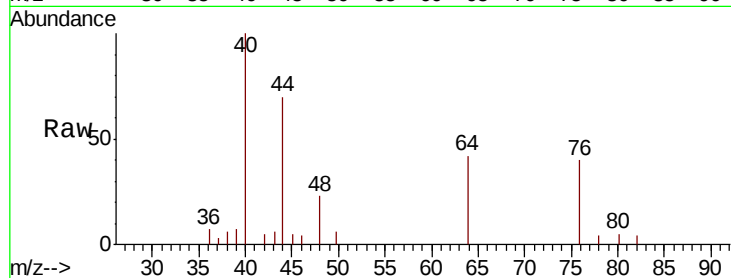
N4871

Tgt Ion: 76 Resp: 904

Ion Ratio Lower Upper

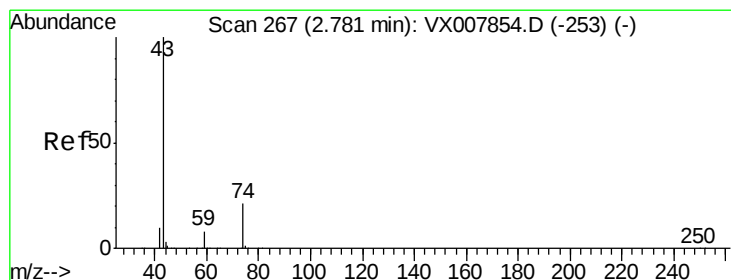
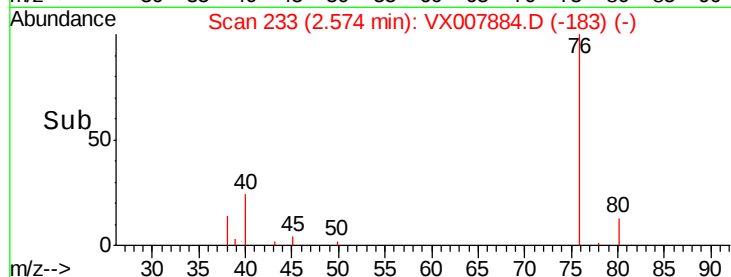
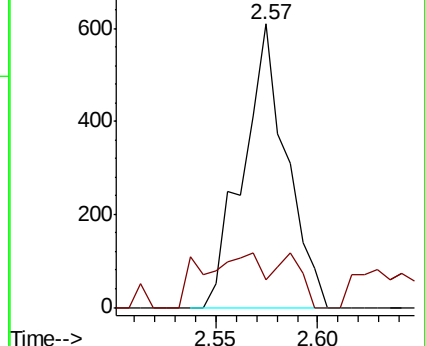
76 100

78 9.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.262 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007884.D

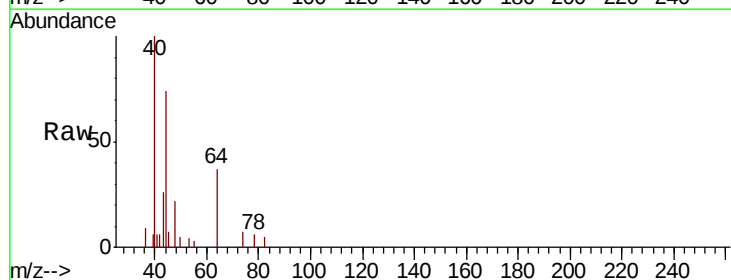
Acq: 07 Mar 2019 15:24

Tgt Ion: 43 Resp: 981

Ion Ratio Lower Upper

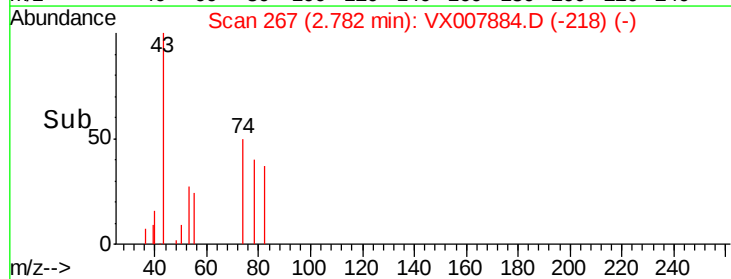
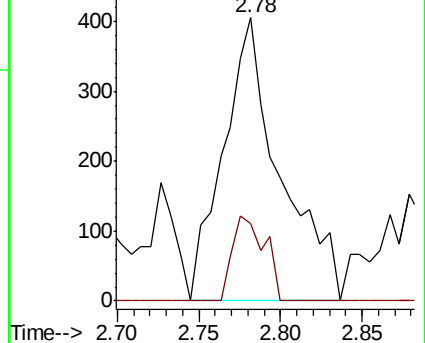
43 100

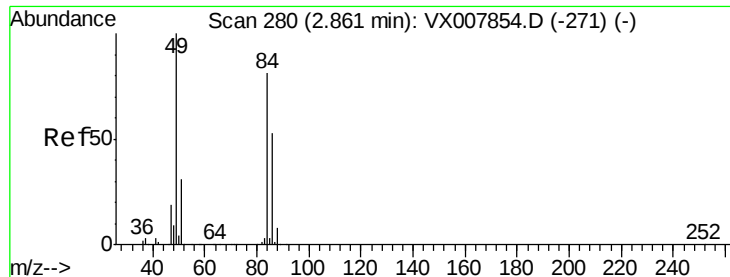
74 17.1 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

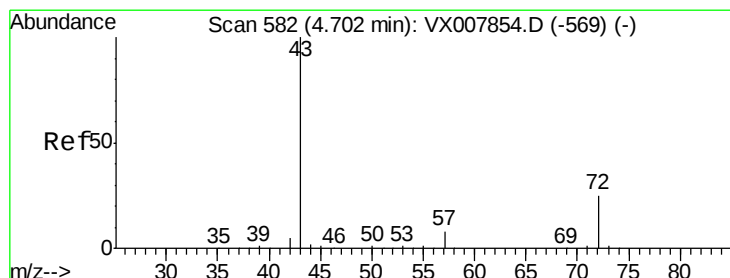
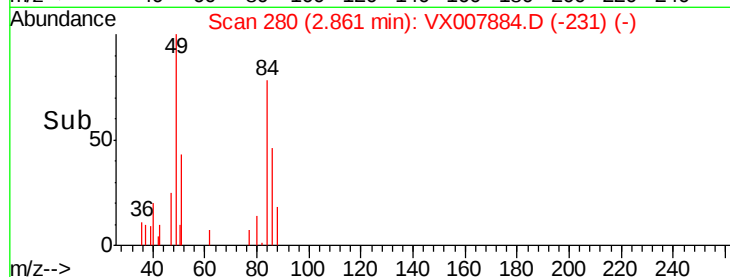
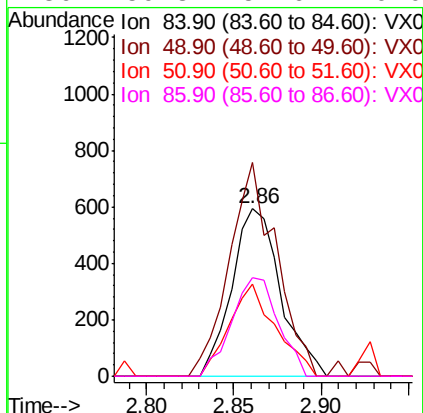
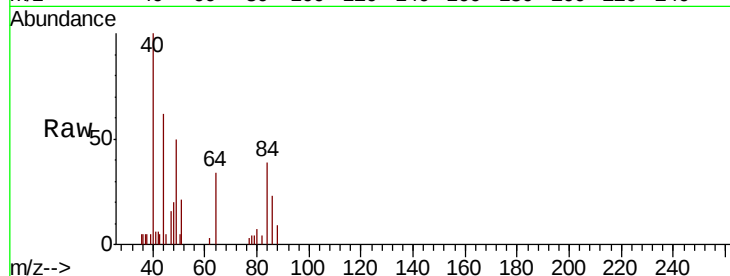




#20
Methylene Chloride
Concen: 0.413 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007884.D
Acq: 07 Mar 2019 15:24

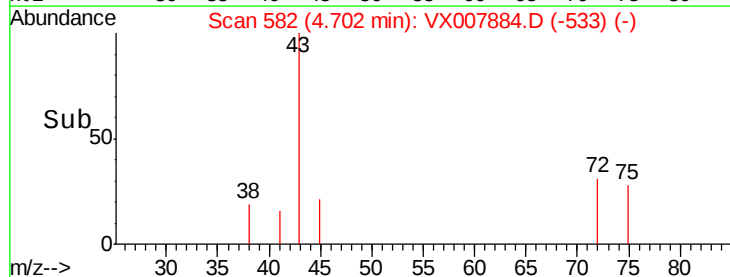
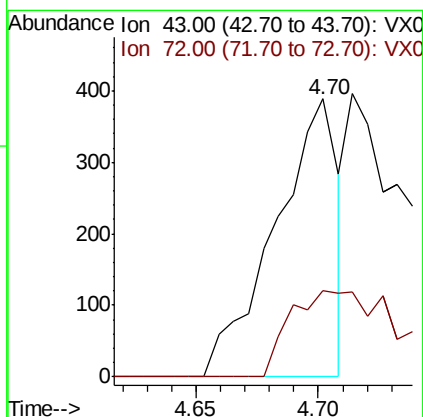
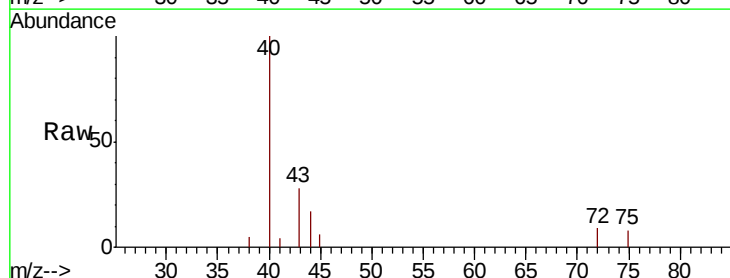
Instrument :
MSVOA_X
ClientSampled :
N4871

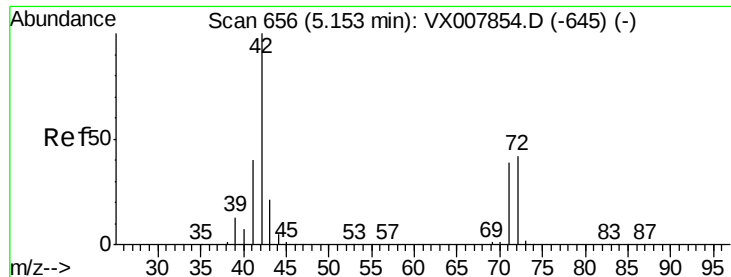
Tgt Ion: 84 Resp: 1157
Ion Ratio Lower Upper
84 100
49 127.9 99.3 148.9
51 54.9 31.3 46.9#
86 59.3 52.6 79.0



#25
2-Butanone
Concen: 0.279 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX007884.D
Acq: 07 Mar 2019 15:24

Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
72 30.8 19.9 29.9#





#29

Tetrahydrofuran

Concen: 0.456 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007884.D

Acq: 07 Mar 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

N4871

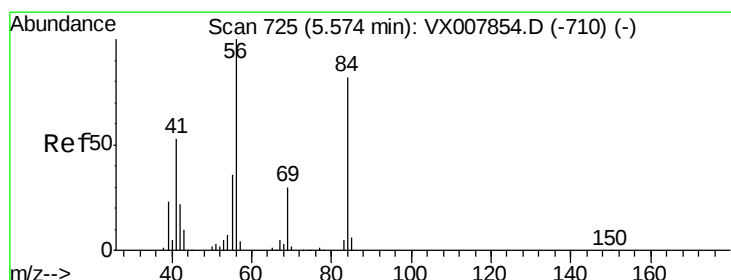
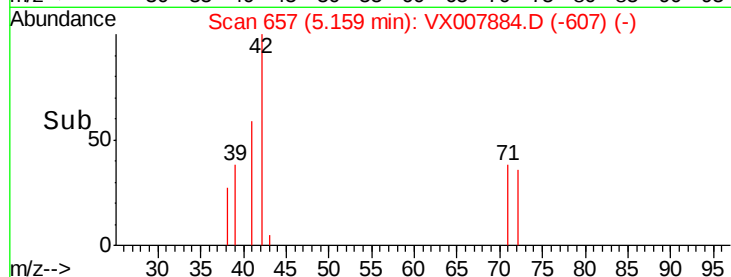
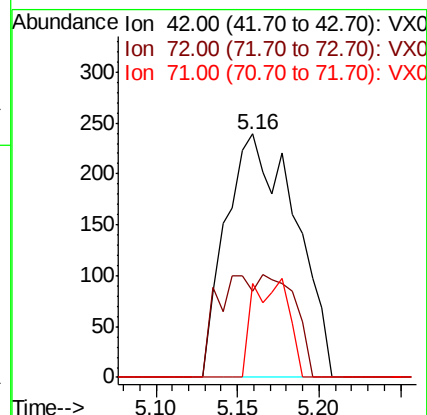
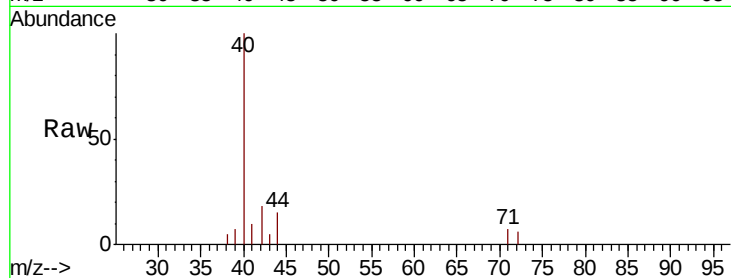
Tgt Ion: 42 Resp: 708

Ion Ratio Lower Upper

42 100

72 22.6 33.8 50.6#

71 0.0 31.5 47.3#



#31

Cyclohexane

Concen: 0.975 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX007884.D

Acq: 07 Mar 2019 15:24

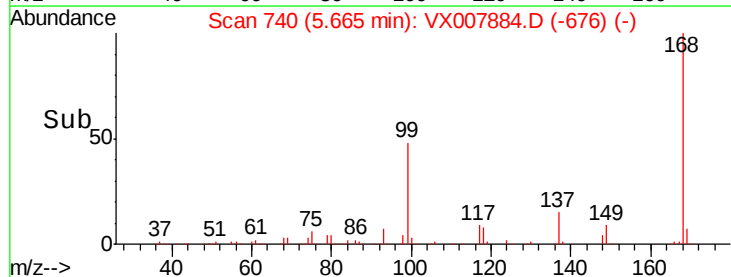
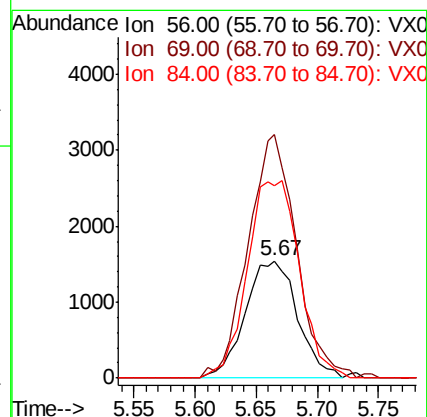
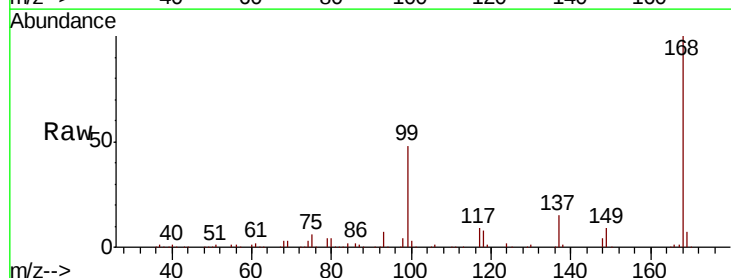
Tgt Ion: 56 Resp: 4556

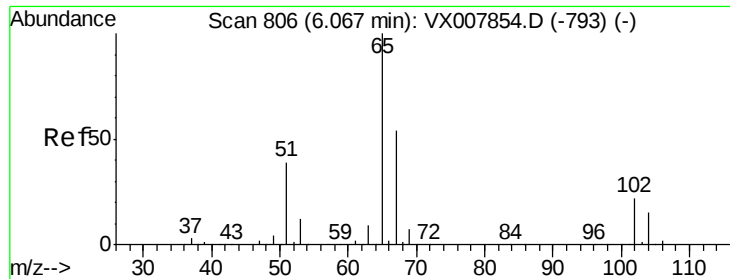
Ion Ratio Lower Upper

56 100

69 207.6 24.0 36.0#

84 163.8 65.3 97.9#

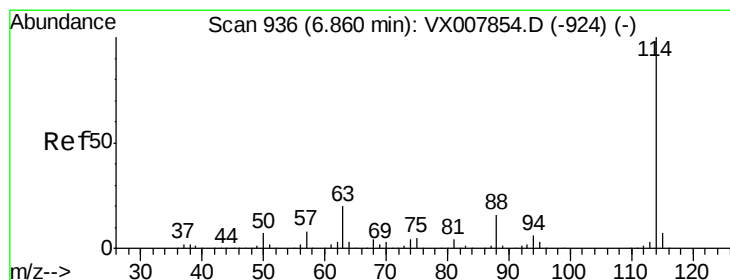
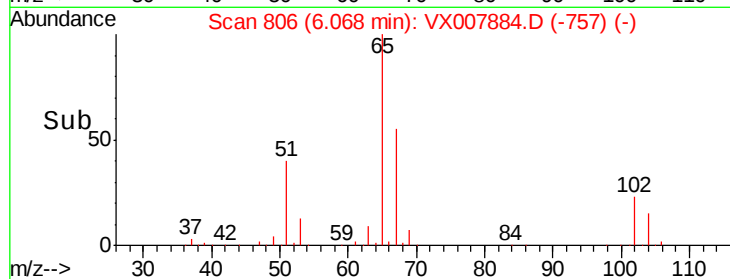
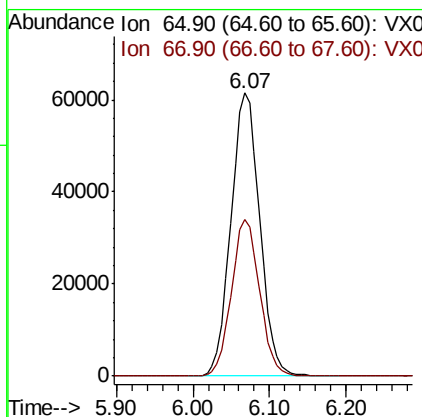
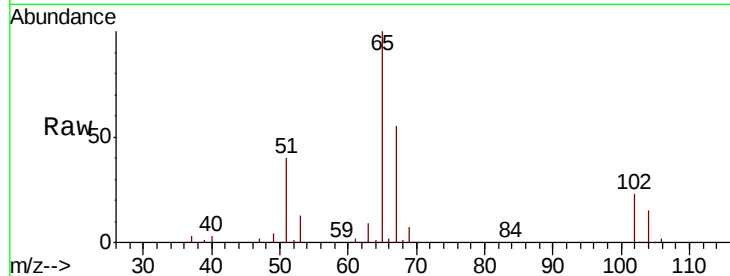




#33
 1,2-Dichloroethane-d4
 Concen: 52.817 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007884.D
 Acq: 07 Mar 2019 15:24

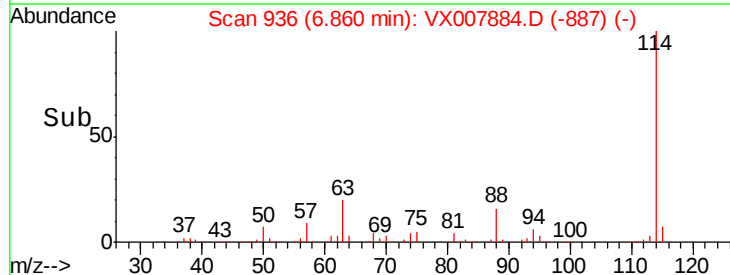
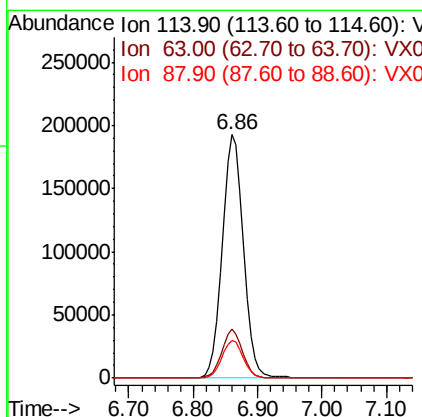
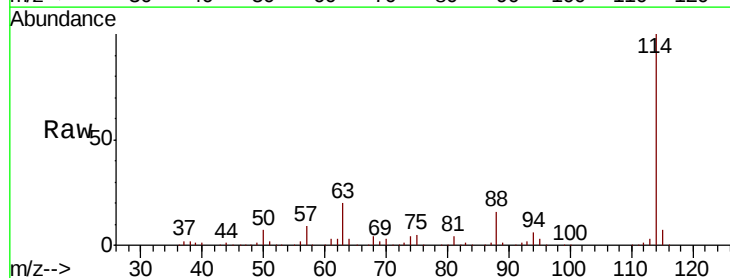
Instrument :
 MSVOA_X
 ClientSampleId :
 N4871

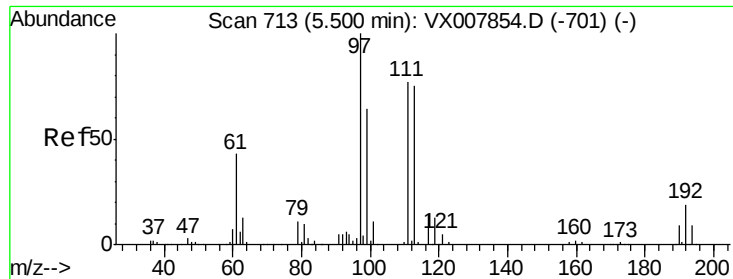
Tgt Ion: 65 Resp: 160600
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007884.D
 Acq: 07 Mar 2019 15:24

Tgt Ion: 114 Resp: 449139
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.7 0.0 31.4

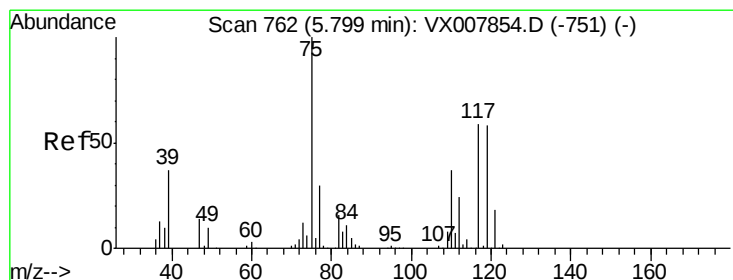
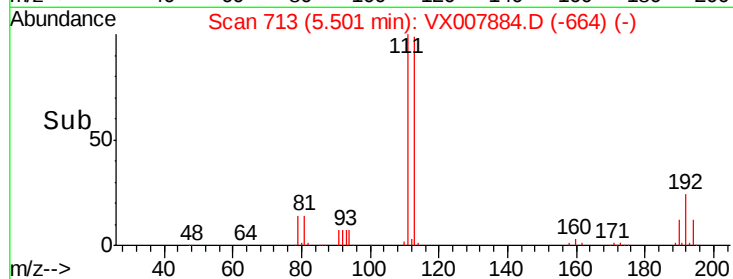
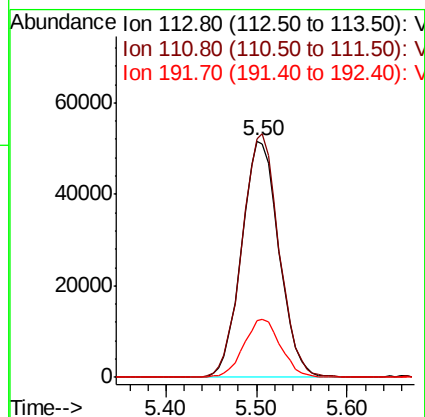
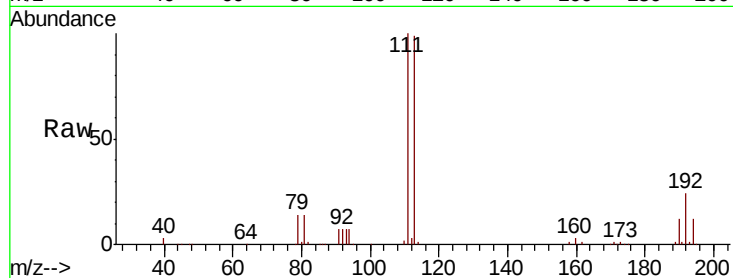




#35
 Dibromofluoromethane
 Concen: 51.167 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007884.D
 Acq: 07 Mar 2019 15:24

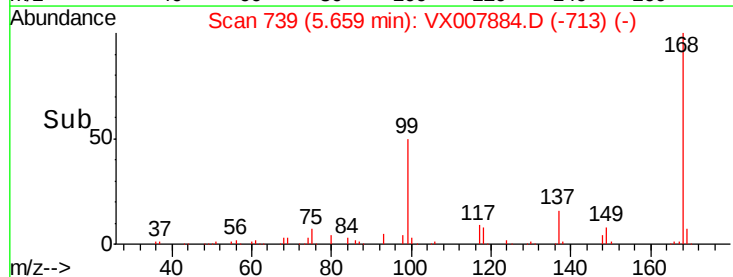
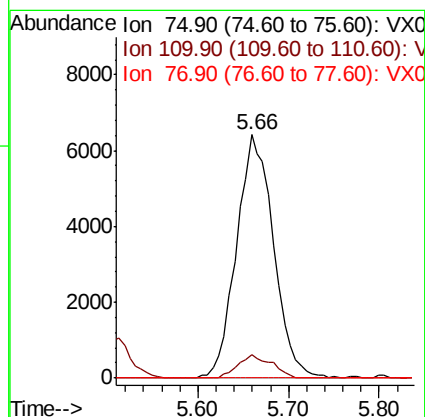
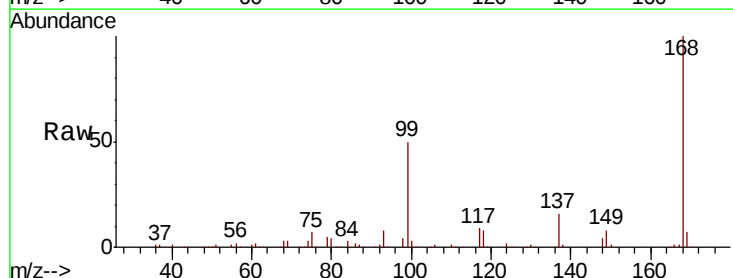
Instrument :
 MSVOA_X
 ClientSampleId :
 N4871

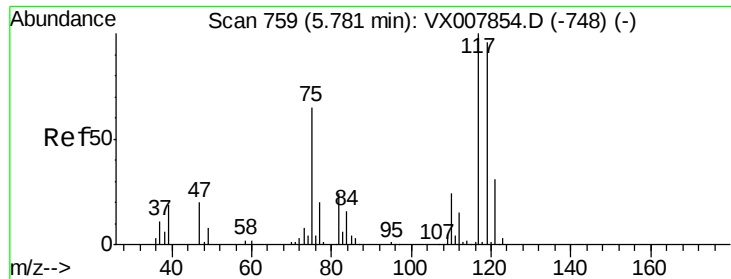
Tgt Ion:113 Resp: 147002
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.0
 192 24.3 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.457 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007884.D
 Acq: 07 Mar 2019 15:24

Tgt Ion: 75 Resp: 18125
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.0#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.374 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007884.D

Acq: 07 Mar 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

N4871

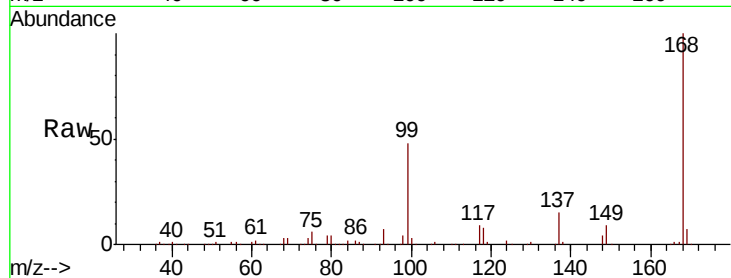
Tgt Ion: 117 Resp: 24610

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

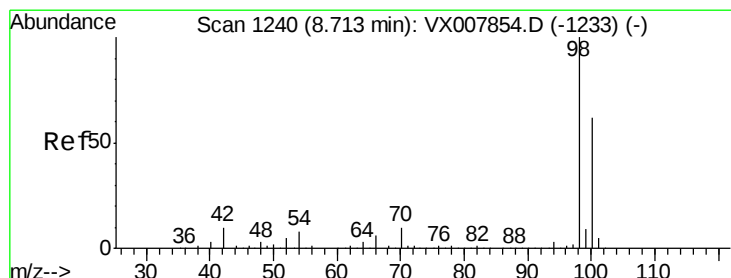
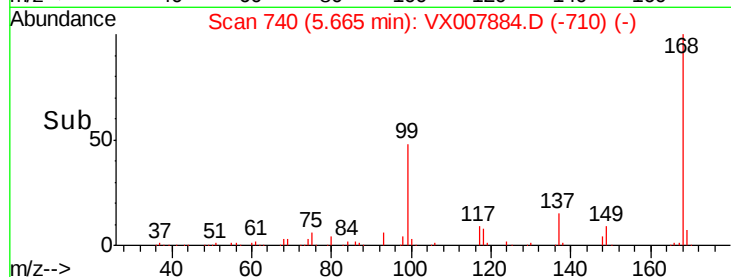
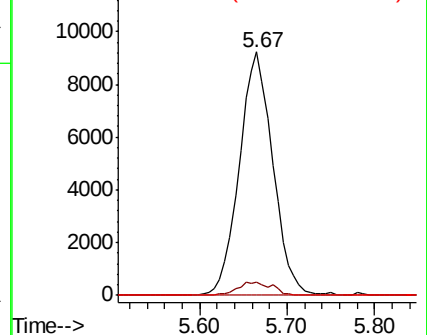
121 0.0 24.6 36.8#



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: 51.333 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007884.D

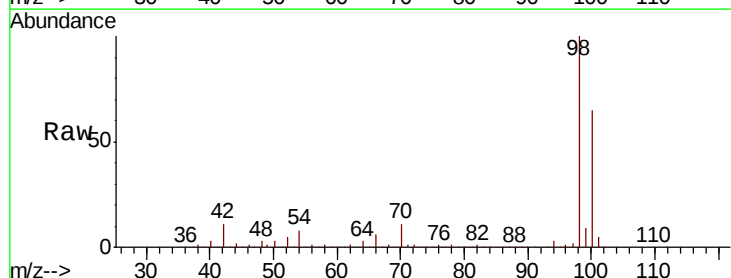
Acq: 07 Mar 2019 15:24

Tgt Ion: 98 Resp: 541629

Ion Ratio Lower Upper

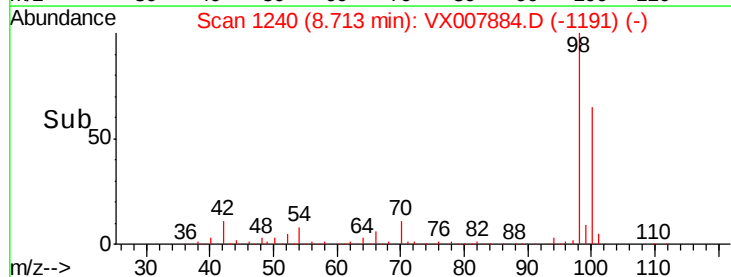
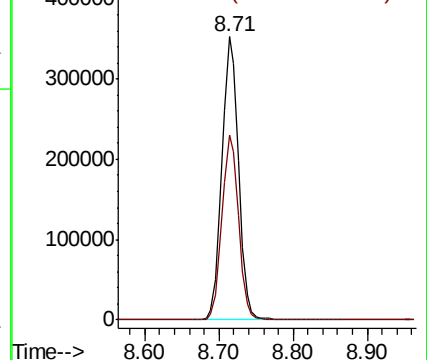
98 100

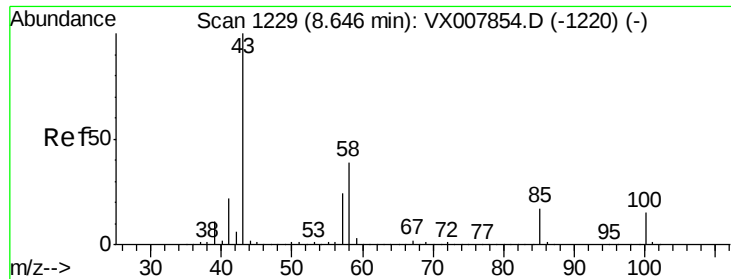
100 65.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

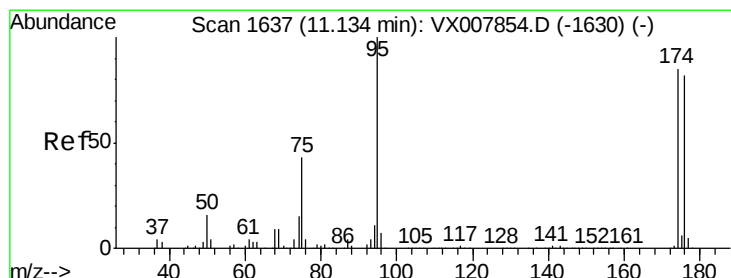
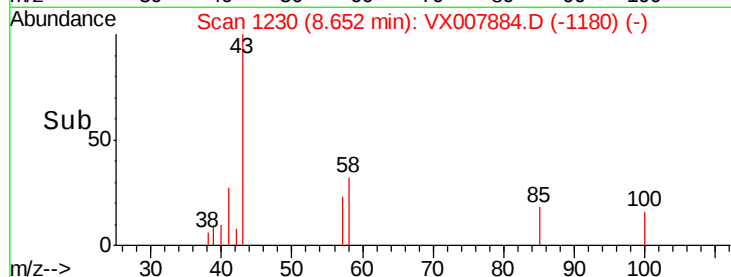
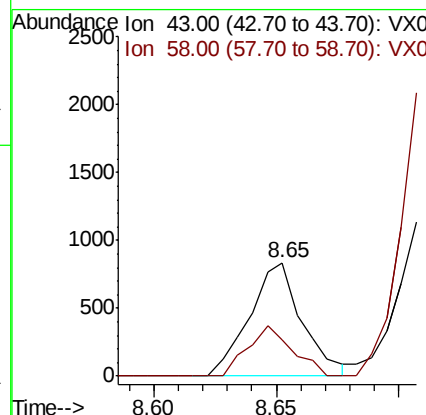
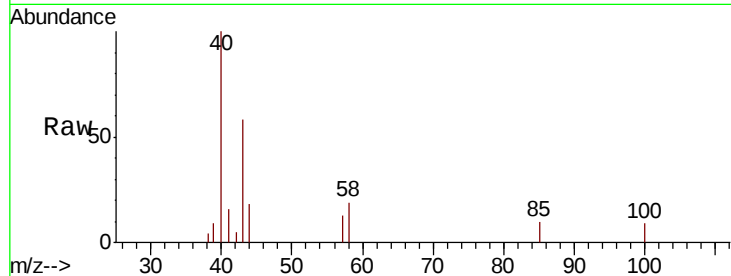




#51
 4-Methyl-2-Pentanone
 Concen: 0.272 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VX007884.D
 Acq: 07 Mar 2019 15:24

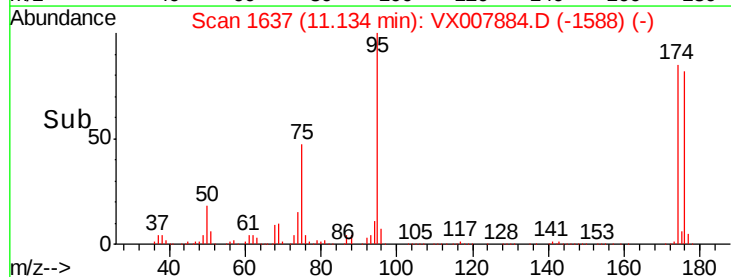
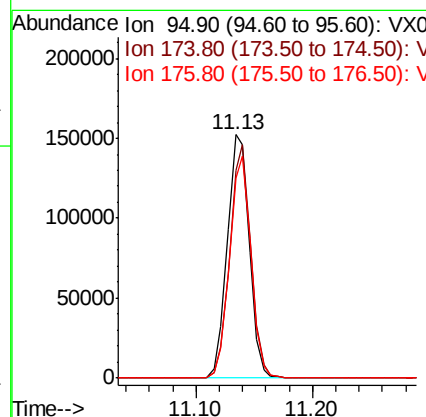
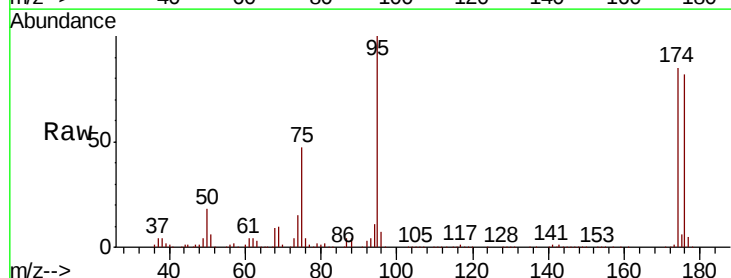
Instrument :
 MSVOA_X
 ClientSampleId :
 N4871

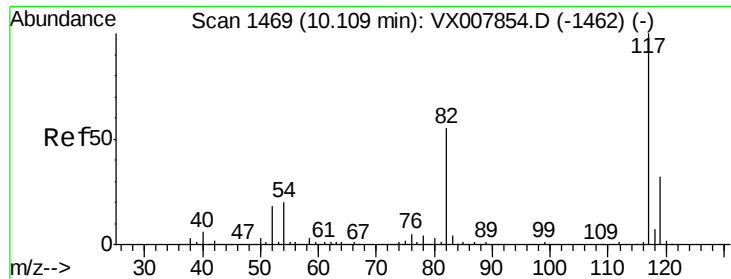
Tgt Ion: 43 Resp: 1251
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.3 46.9



#62
 4-Bromofluorobenzene
 Concen: 53.714 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007884.D
 Acq: 07 Mar 2019 15:24

Tgt Ion: 95 Resp: 198704
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 182.8
 176 88.8 0.0 178.0

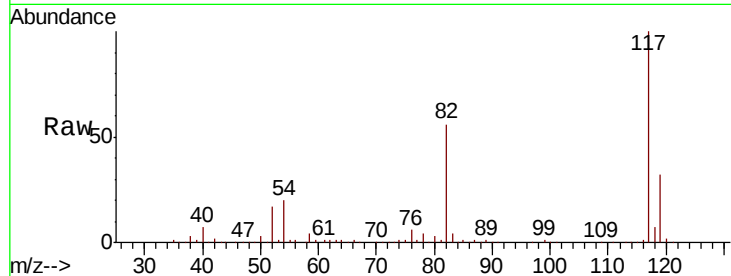




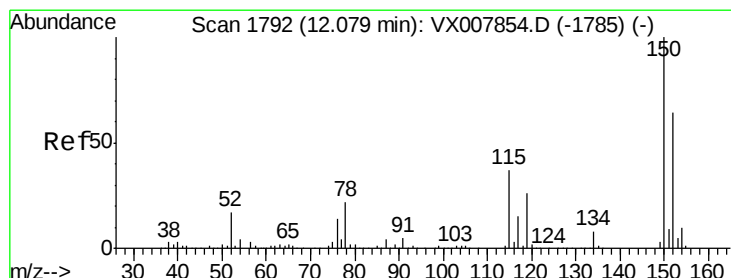
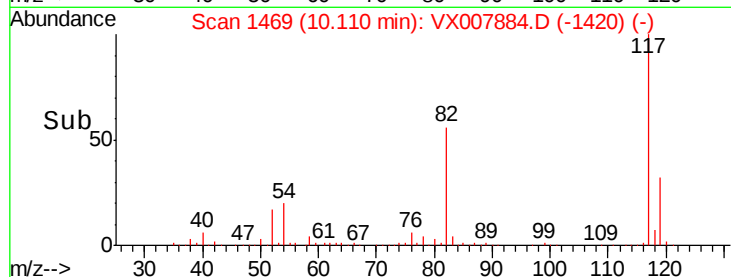
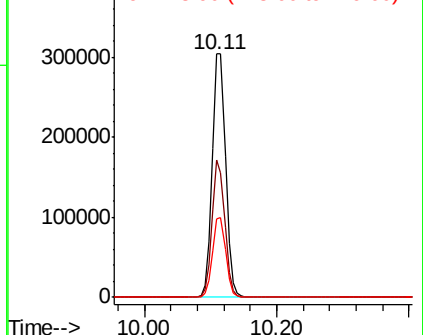
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007884.D
Acq: 07 Mar 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
N4871

Tgt Ion:117 Resp: 423238
Ion Ratio Lower Upper
117 100
82 56.4 44.3 66.5
119 32.1 25.3 37.9

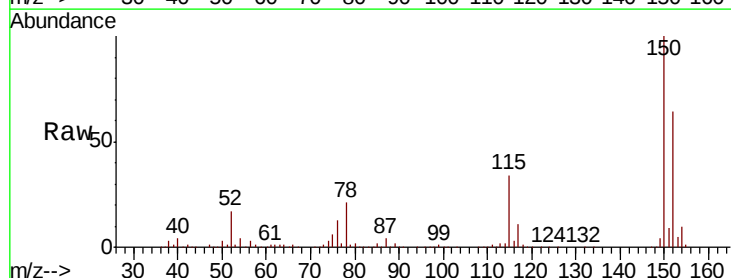


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

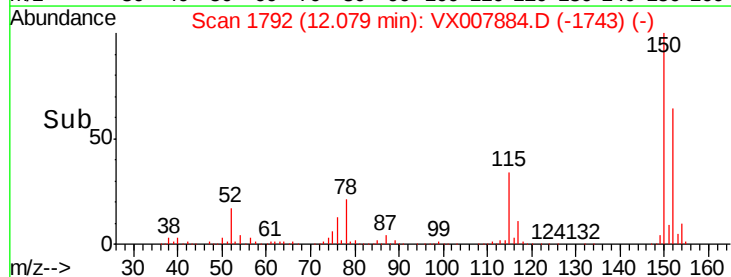
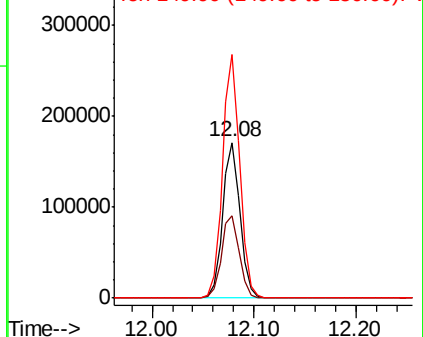


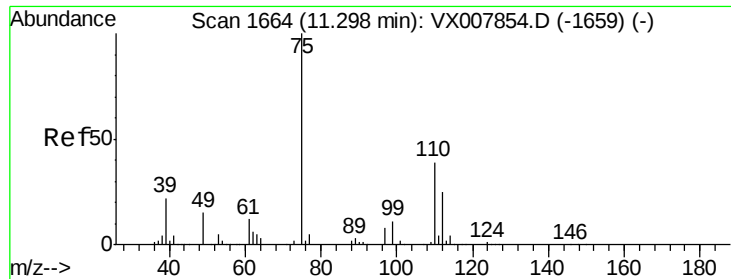
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007884.D
Acq: 07 Mar 2019 15:24

Tgt Ion:152 Resp: 202066
Ion Ratio Lower Upper
152 100
115 55.0 38.6 115.7
150 156.4 0.0 348.4



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: 21.521 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007884.D

Acq: 07 Mar 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

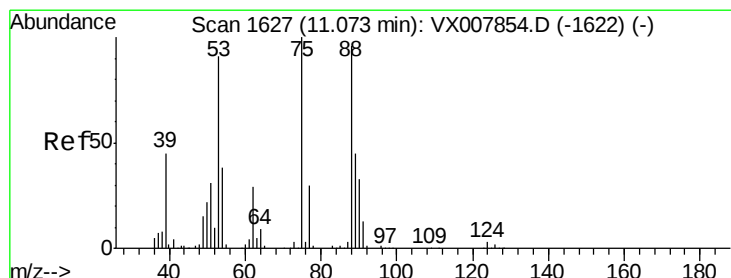
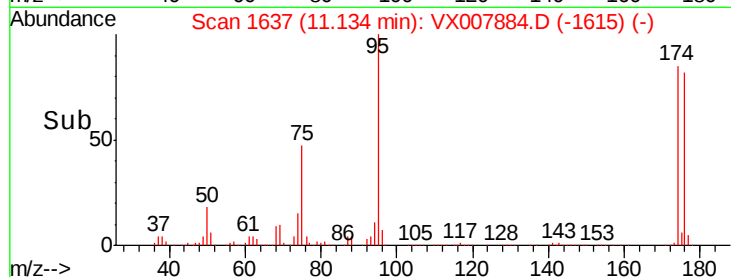
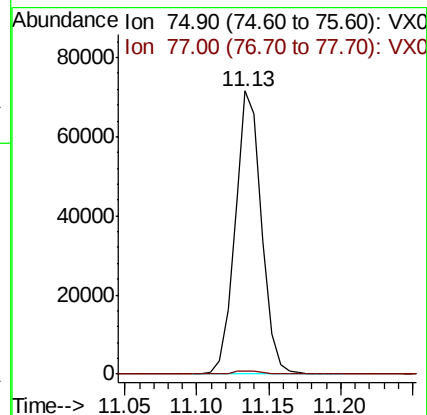
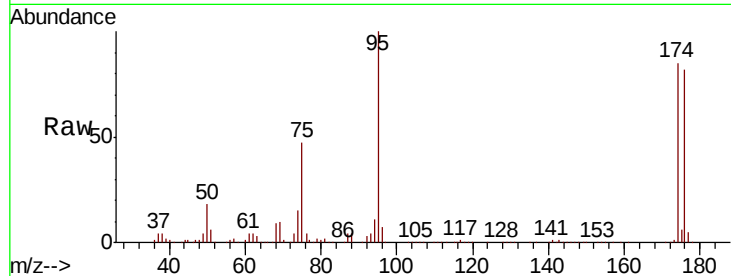
N4871

Tgt Ion: 75 Resp: 91255

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.793 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007884.D

Acq: 07 Mar 2019 15:24

Tgt Ion: 75 Resp: 91255

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

