

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011924.D
 Acq On : 30 Aug 2019 23:59
 Operator : SY/SP
 Sample : K4475-06
 Misc : 5.60g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-D-(2.5)

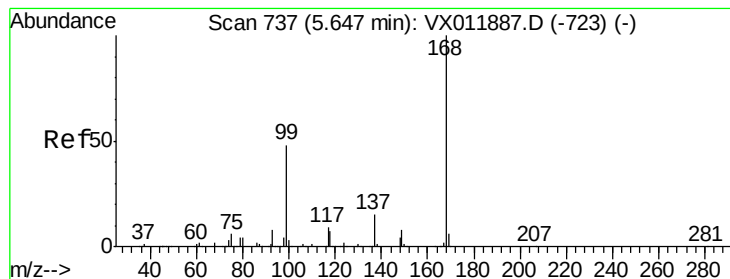
Quant Time: Aug 31 02:39:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	438134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	578726	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	510222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	270554	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	182434	43.46	ug/l	0.00
Spiked Amount			Recovery	=	86.92%	
35) Dibromofluoromethane	5.48	113	171450	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
50) Toluene-d8	8.71	98	657554	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.13	95	242695	41.71	ug/l	0.00
Spiked Amount			Recovery	=	83.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	1778	1.018	ug/l	97
10) Methyl Iodide	2.50	142	1412	4.038	ug/l #	63
11) Tert butyl alcohol	3.03	59	1623	4.019	ug/l	98
13) Acrolein	2.27	56	327	1.627	ug/l	85
16) Acetone	2.43	43	11777	13.039	ug/l	96
20) Methylene Chloride	2.84	84	12183	Below Cal		97
29) Tetrahydrofuran	5.13	42	6208	7.561	ug/l	95
31) Cyclohexane	5.64	56	7563	1.443	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	27060	5.902	ug/l #	46
38) Carbon Tetrachloride	5.65	117	37574	7.066	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	121542	45.668	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	121542	114.725	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011924.D

Acq: 30 Aug 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

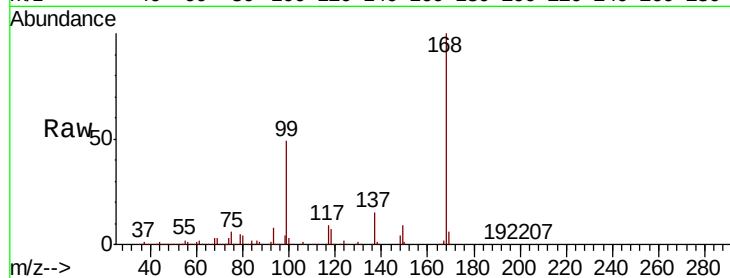
T1-2-D-(2.5)

Tgt Ion:168 Resp: 438134

Ion Ratio Lower Upper

168 100

99 48.5 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

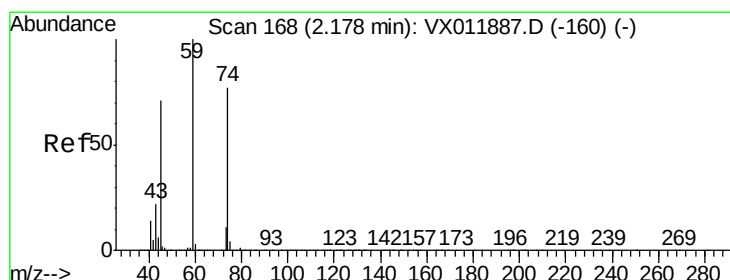
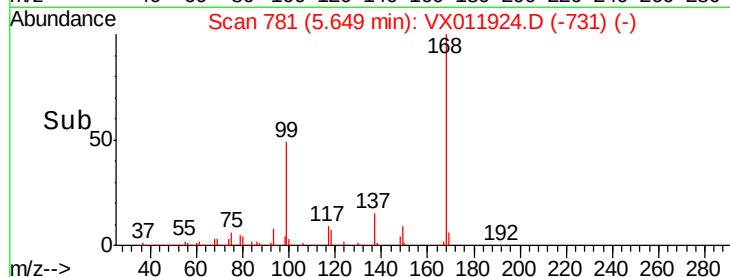
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.018 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011924.D

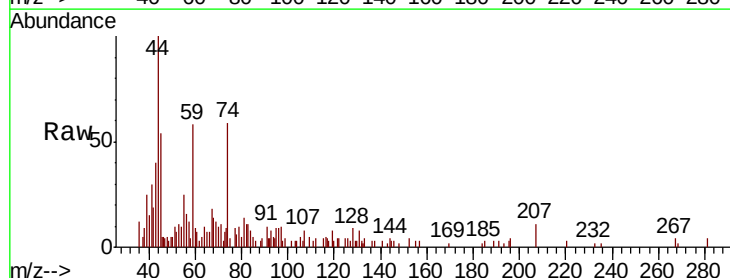
Acq: 30 Aug 2019 23:59

Tgt Ion: 74 Resp: 1778

Ion Ratio Lower Upper

74 100

45 96.0 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

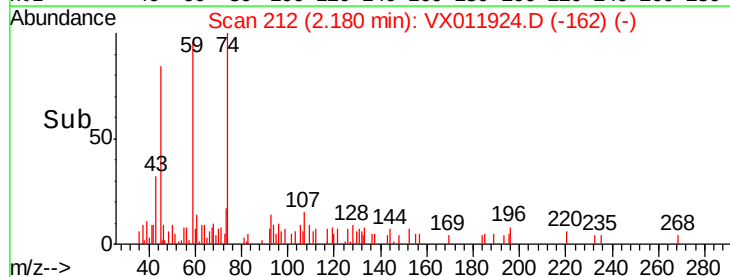
1500

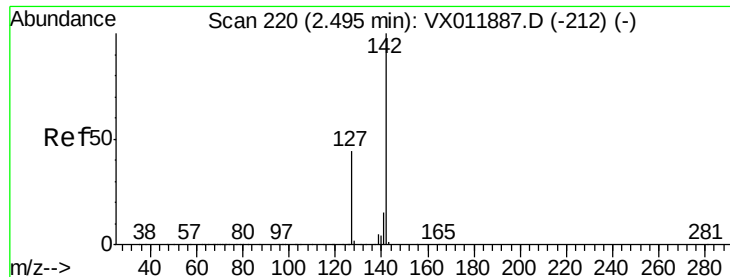
1000

500

0

Time-->

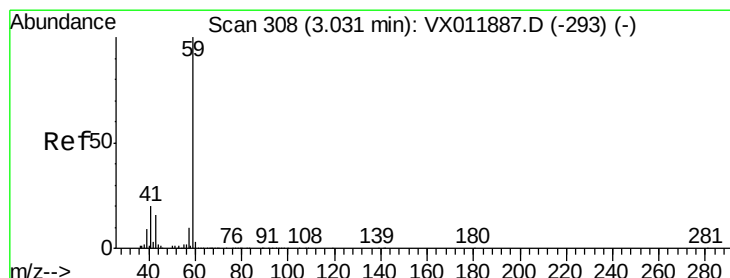
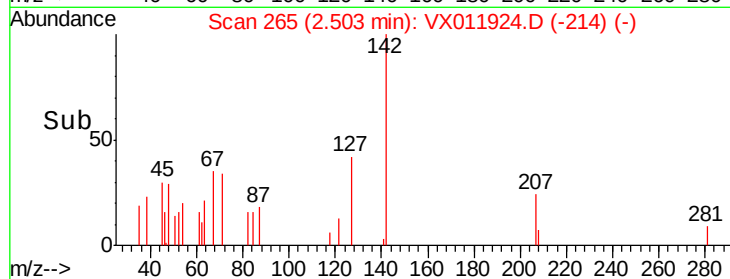
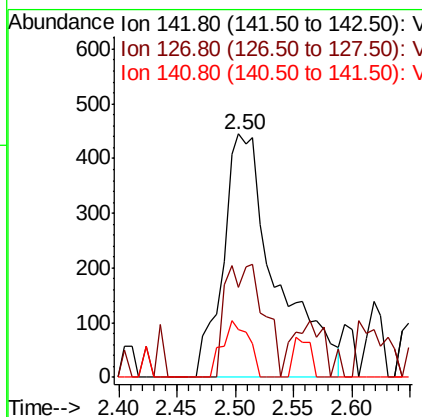
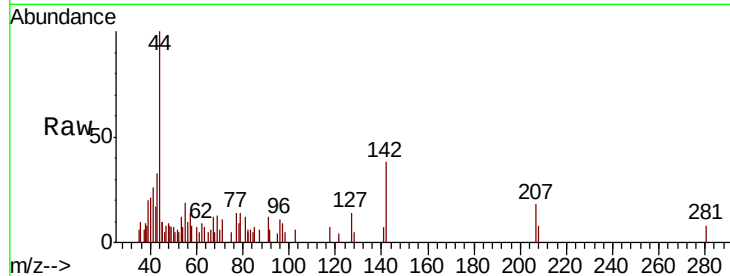




#10
Methyl Iodide
Concen: 4.038 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011924.D
Acq: 30 Aug 2019 23:59

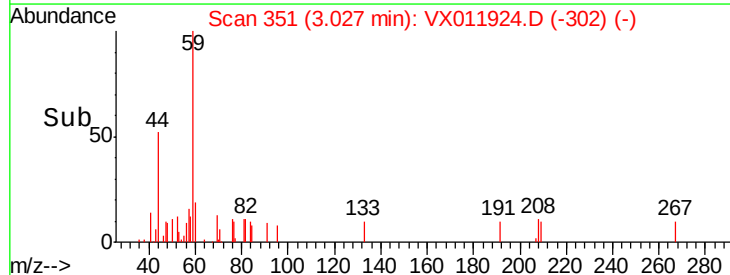
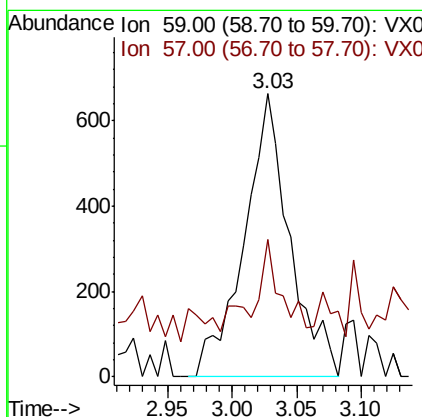
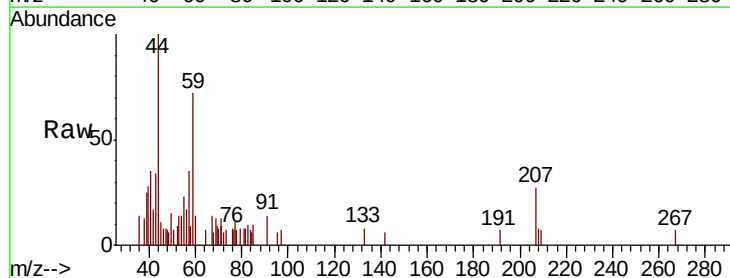
Instrument :
MSVOA_X
ClientSampleId :
T1-2-D-(2.5)

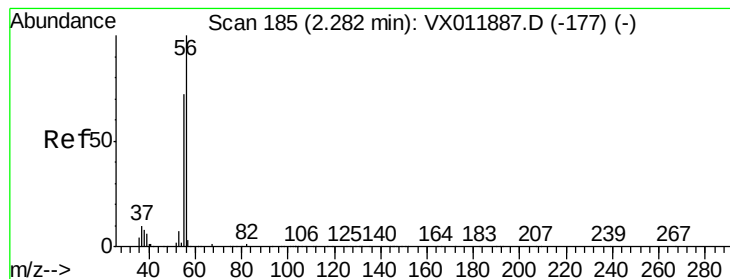
Tgt Ion: 142 Resp: 1412
Ion Ratio Lower Upper
142 100
127 14.0 35.7 53.5#
141 11.6 11.8 17.6#



#11
Tert butyl alcohol
Concen: 4.019 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011924.D
Acq: 30 Aug 2019 23:59

Tgt Ion: 59 Resp: 1623
Ion Ratio Lower Upper
59 100
57 11.5 8.6 12.8





#13

Acrolein

Concen: 1.627 ug/l

RT: 2.27 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX011924.D

Acq: 30 Aug 2019 23:59

Instrument :

MSVOA_X

ClientSampled :

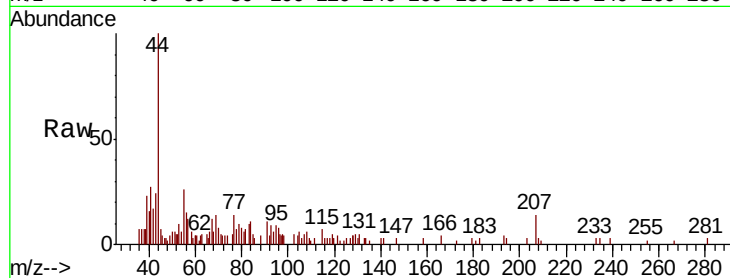
T1-2-D-(2.5)

Tgt Ion: 56 Resp: 327

Ion Ratio Lower Upper

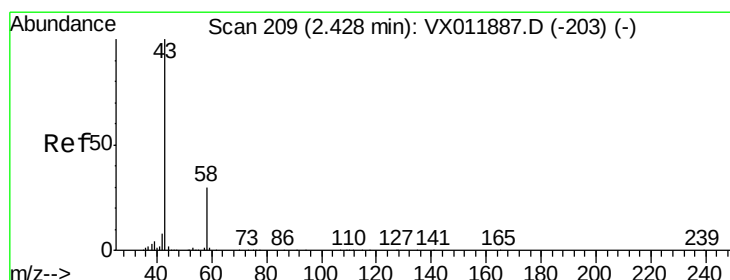
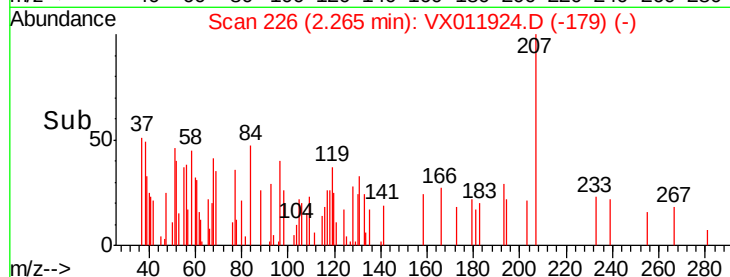
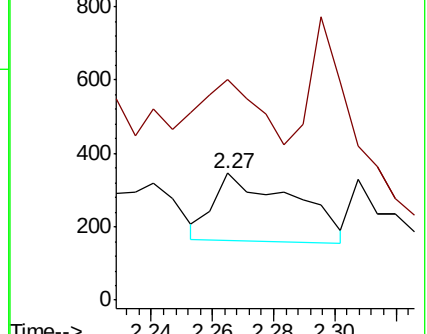
56 100

55 86.2 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 13.039 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011924.D

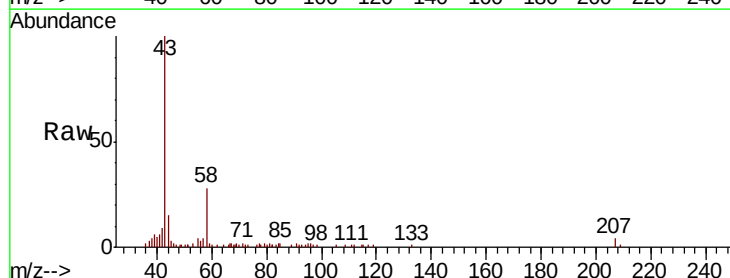
Acq: 30 Aug 2019 23:59

Tgt Ion: 43 Resp: 11777

Ion Ratio Lower Upper

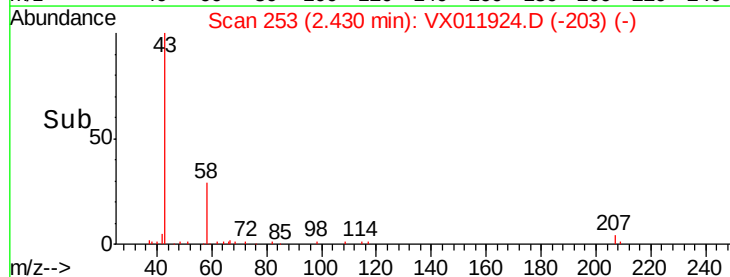
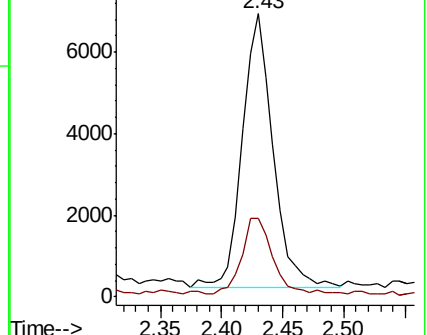
43 100

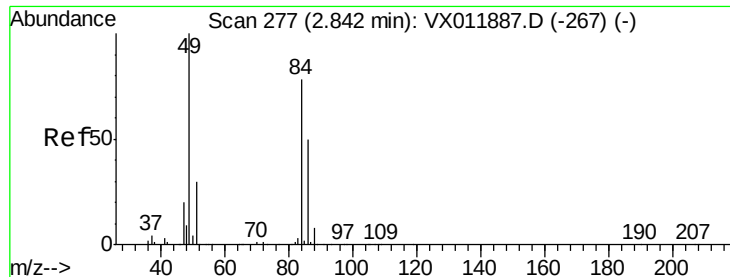
58 27.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

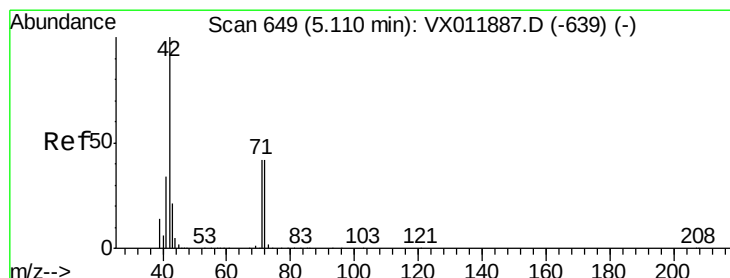
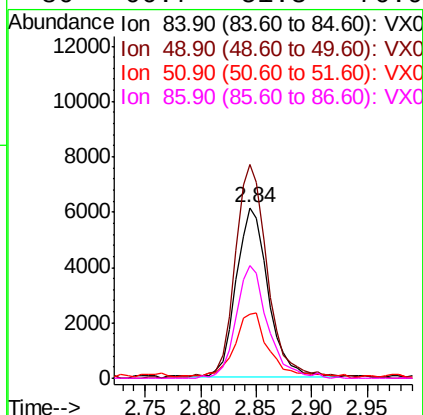
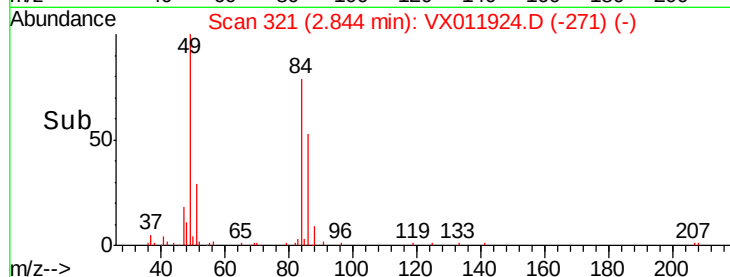
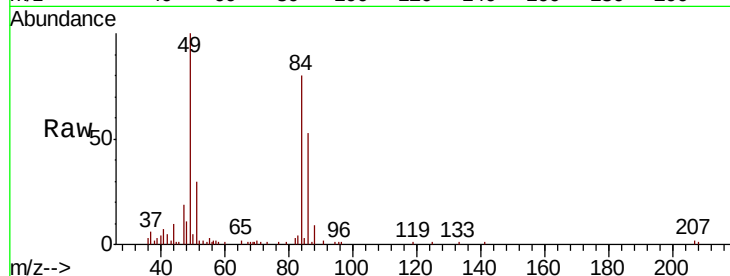




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011924.D
Acq: 30 Aug 2019 23:59

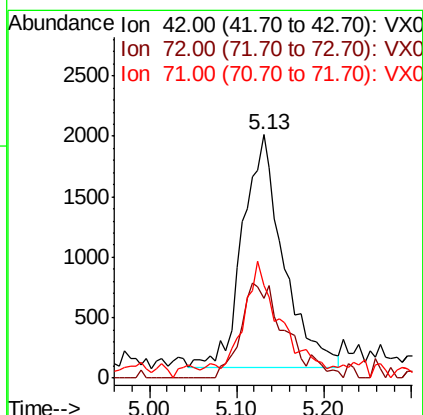
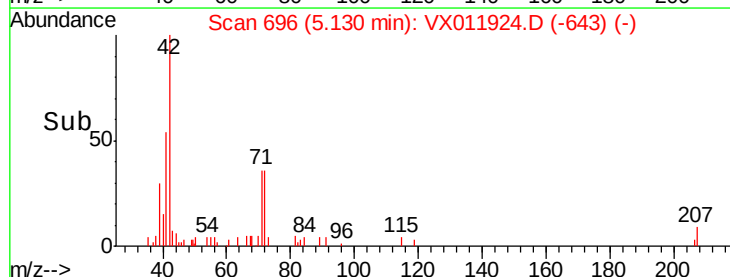
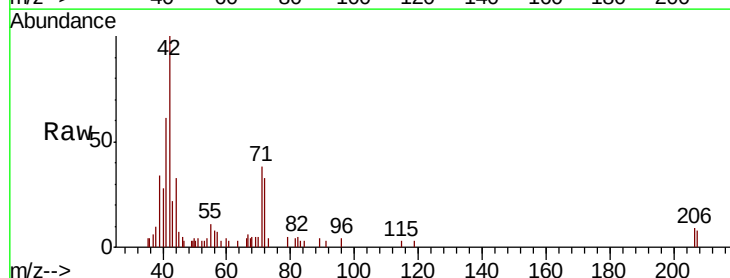
Instrument :
MSVOA_X
ClientSampleId :
T1-2-D-(2.5)

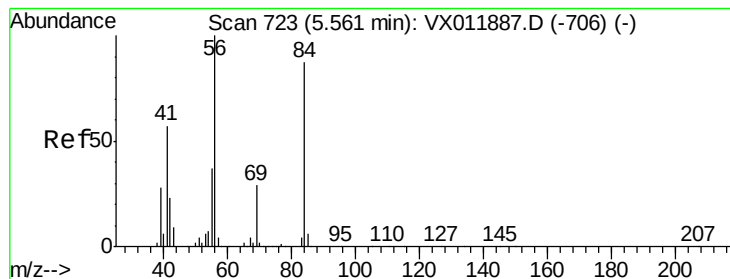
Tgt Ion:	84	Resp:	12183
Ion	Ratio	Lower	Upper
84	100		
49	125.3	103.0	154.4
51	36.0	30.8	46.2
86	66.7	51.3	76.9



#29
Tetrahydrofuran
Concen: 7.561 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX011924.D
Acq: 30 Aug 2019 23:59

Tgt Ion:	42	Resp:	6208
Ion	Ratio	Lower	Upper
42	100		
72	41.5	36.2	54.4
71	44.1	33.1	49.7





#31

Cyclohexane

Concen: 1.443 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX011924.D

Acq: 30 Aug 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

T1-2-D-(2.5)

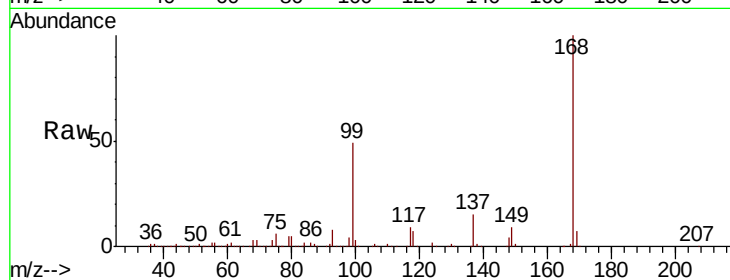
Tgt Ion: 56 Resp: 7563

Ion Ratio Lower Upper

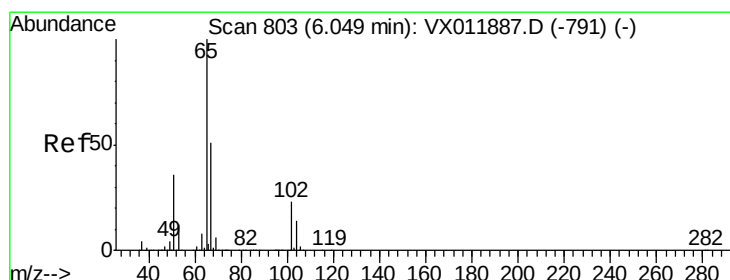
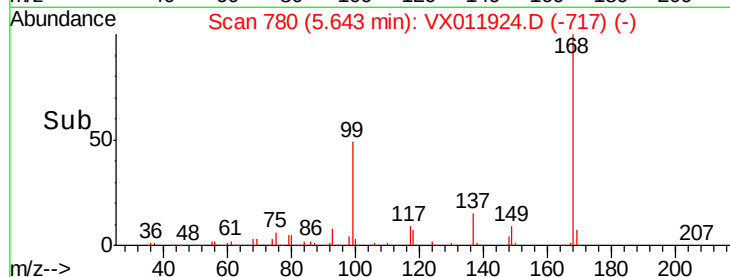
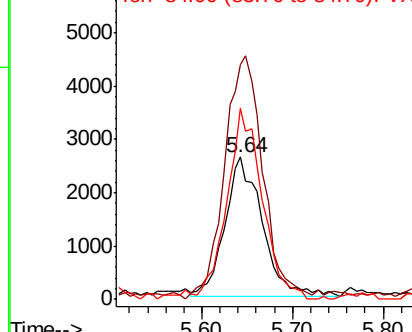
56 100

69 165.4 23.1 34.7#

84 135.8 69.6 104.4#



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: 43.460 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011924.D

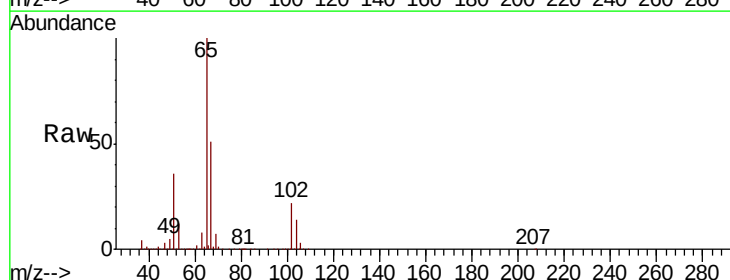
Acq: 30 Aug 2019 23:59

Tgt Ion: 65 Resp: 182434

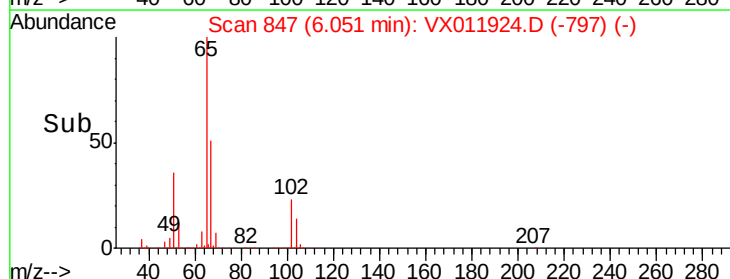
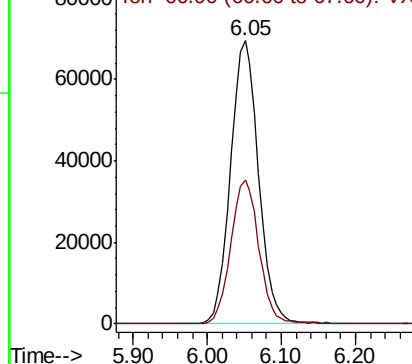
Ion Ratio Lower Upper

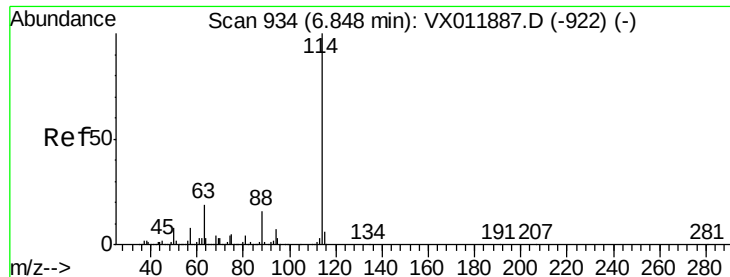
65 100

67 50.8 0.0 102.2



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

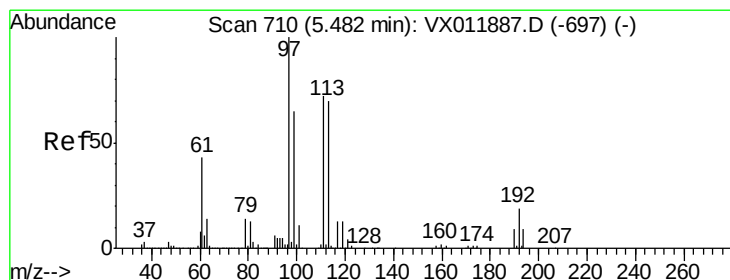
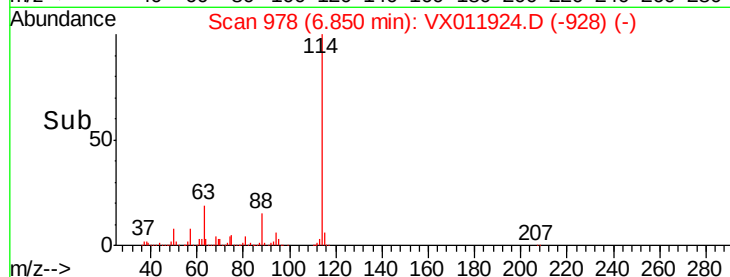
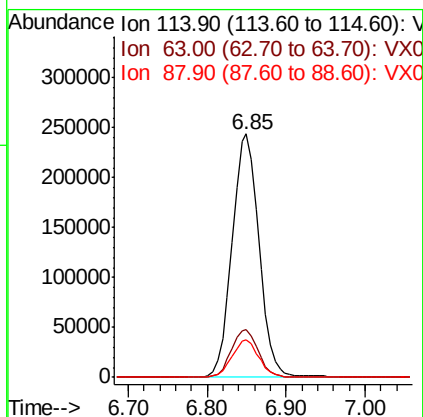
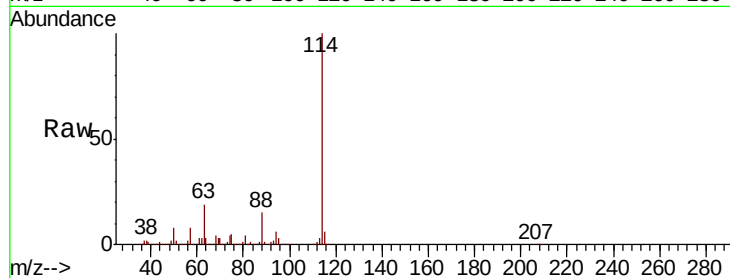




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011924.D
 Acq: 30 Aug 2019 23:59

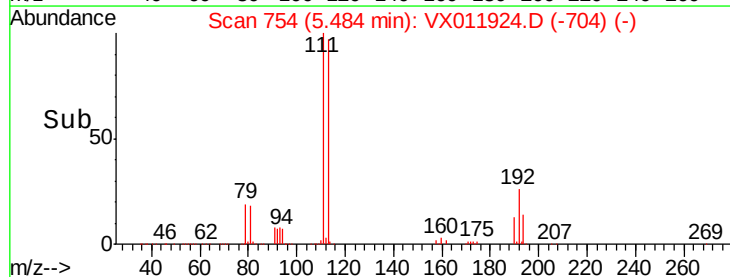
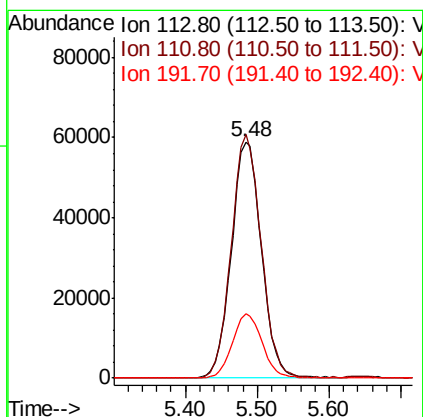
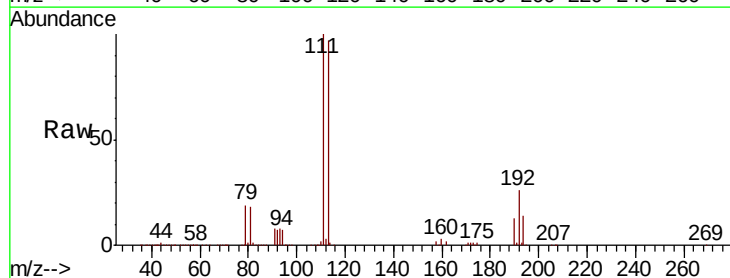
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-D-(2.5)

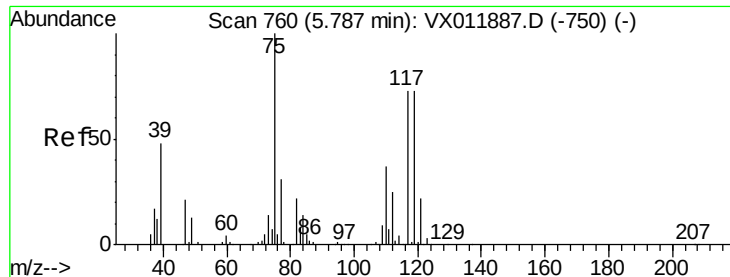
Tgt Ion:114 Resp: 578726
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.8
 88 15.2 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 46.200 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011924.D
 Acq: 30 Aug 2019 23:59

Tgt Ion:113 Resp: 171450
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.1 123.1
 192 26.9 21.5 32.3

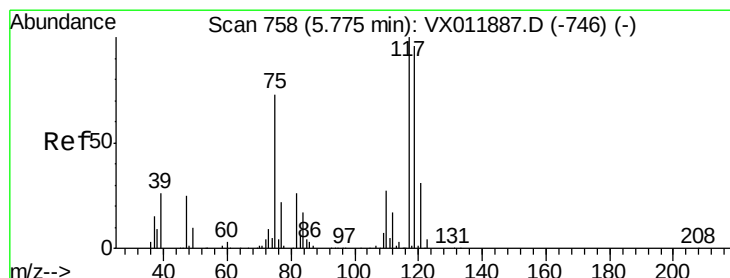
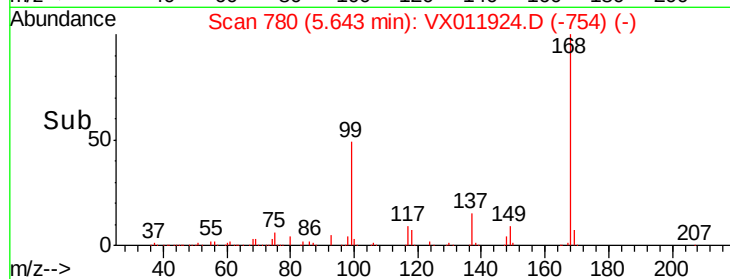
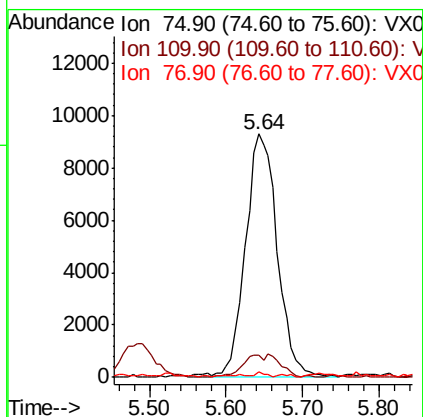
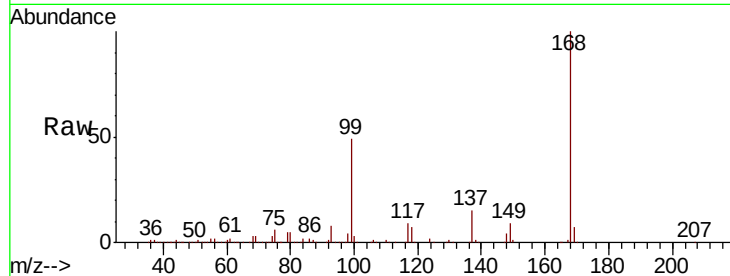




#36
 1,1-Dichloropropene
 Concen: 5.902 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.14 min
 Lab File: VX011924.D
 Acq: 30 Aug 2019 23:59

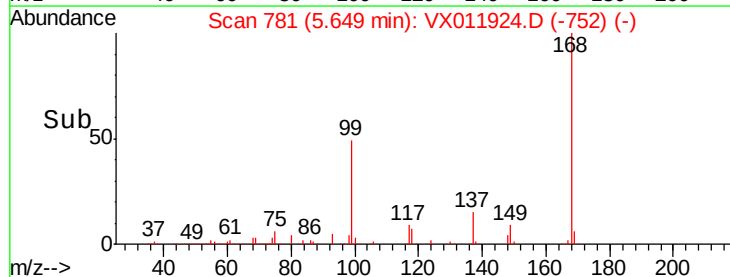
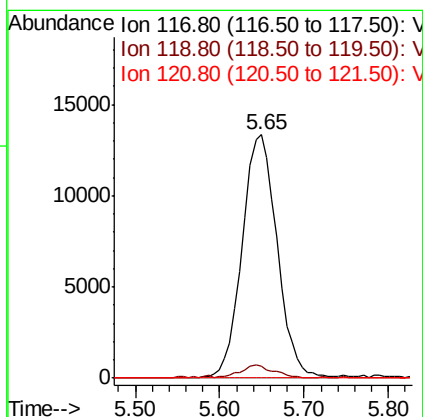
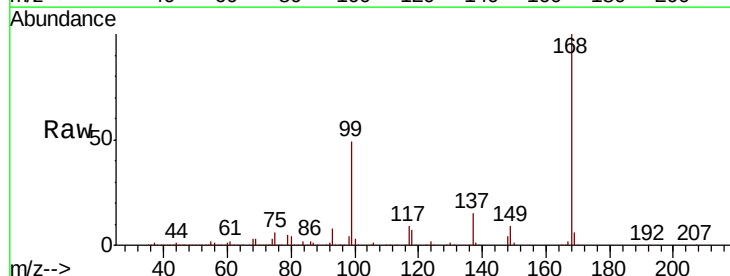
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-D-(2.5)

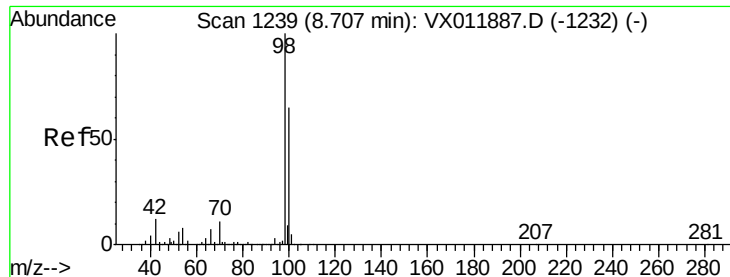
Tgt Ion: 75 Resp: 27060
 Ion Ratio Lower Upper
 75 100
 110 6.3 19.1 57.3#
 77 0.7 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.066 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX011924.D
 Acq: 30 Aug 2019 23:59

Tgt Ion: 117 Resp: 37574
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.6 114.8#
 121 0.0 24.7 37.1#

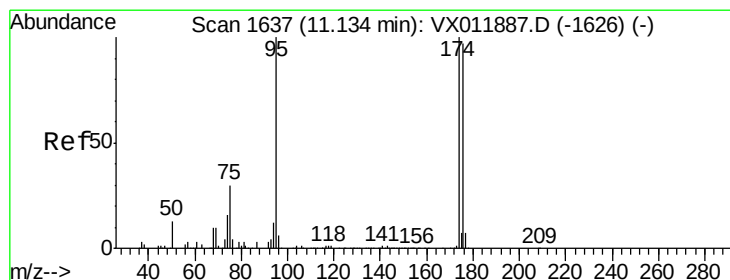
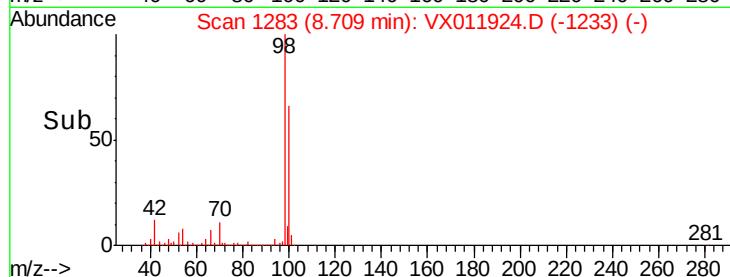
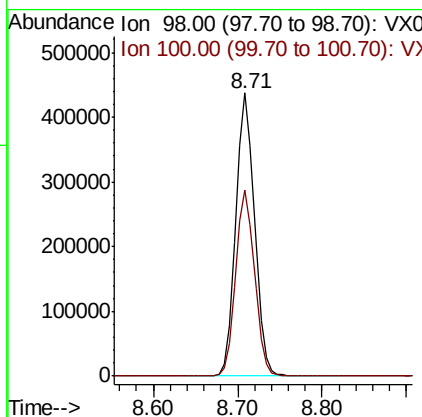
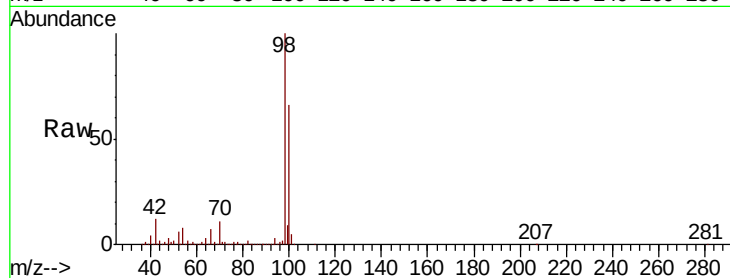




#50
Toluene-d8
Concen: 49.568 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011924.D
Acq: 30 Aug 2019 23:59

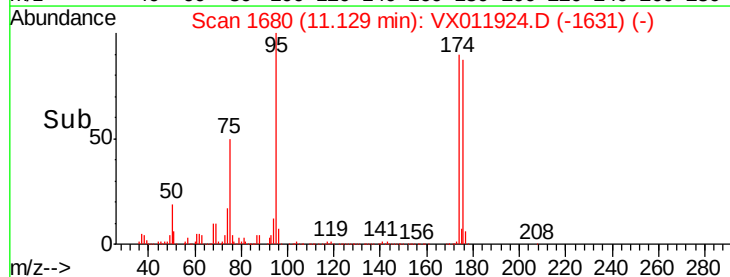
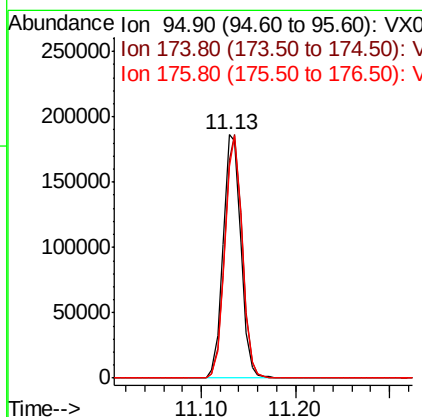
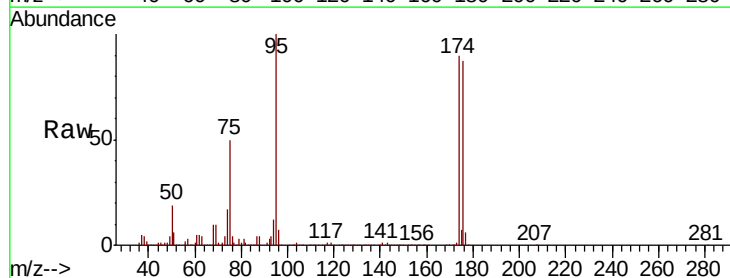
Instrument :
MSVOA_X
ClientSampleId :
T1-2-D-(2.5)

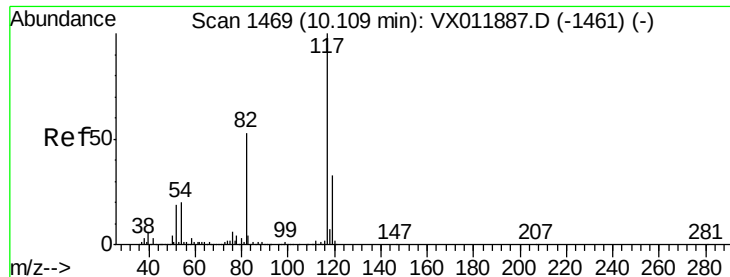
Tgt Ion: 98 Resp: 657554
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 41.706 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX011924.D
Acq: 30 Aug 2019 23:59

Tgt Ion: 95 Resp: 242695
Ion Ratio Lower Upper
95 100
174 98.5 0.0 196.0
176 96.6 0.0 191.4

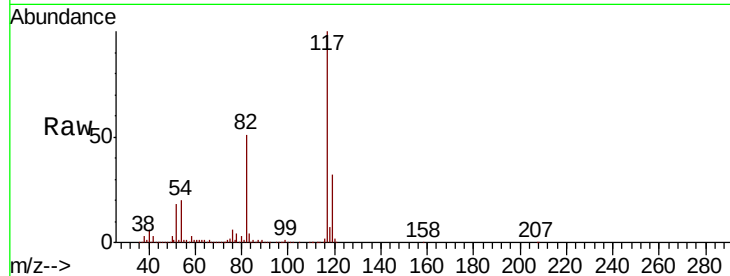




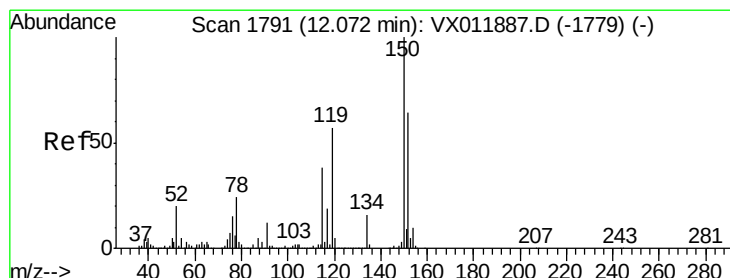
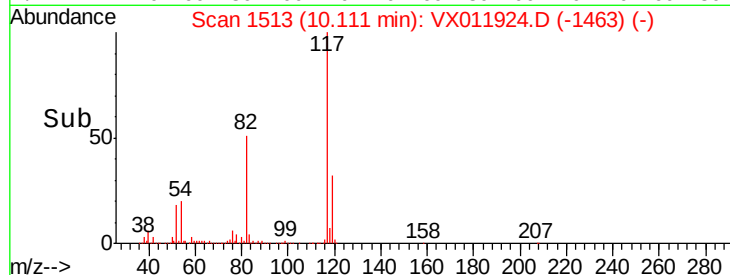
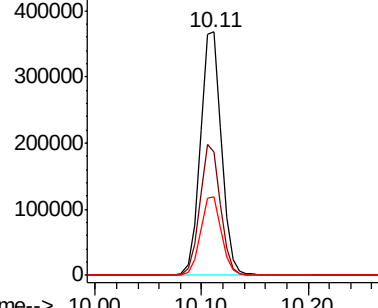
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011924.D
Acq: 30 Aug 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
T1-2-D-(2.5)

Tgt Ion:117 Resp: 510222
Ion Ratio Lower Upper
117 100
82 50.7 42.0 63.0
119 32.2 26.2 39.4

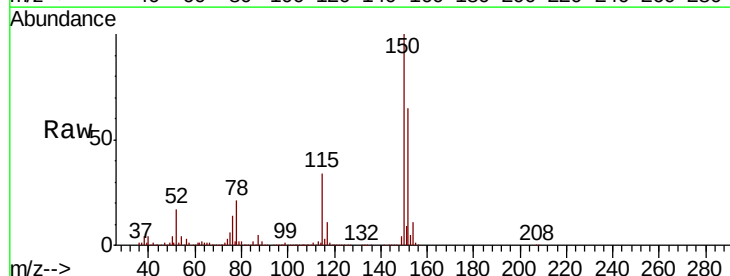


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

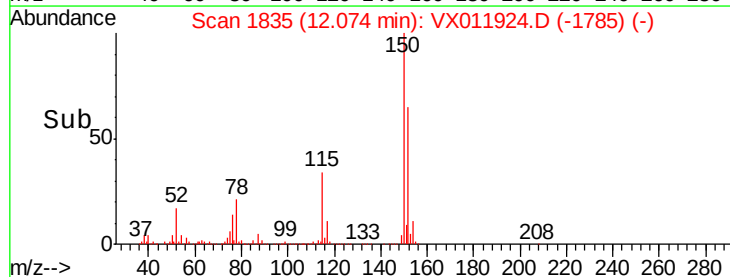
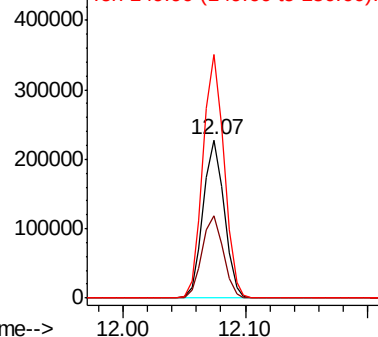


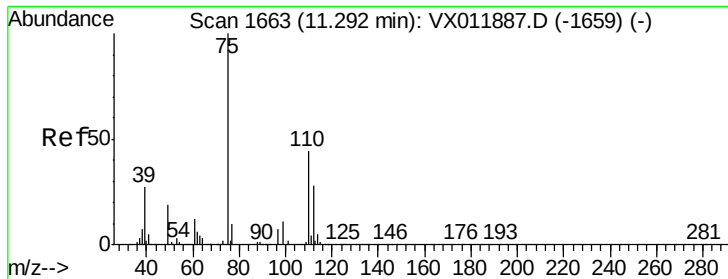
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011924.D
Acq: 30 Aug 2019 23:59

Tgt Ion:152 Resp: 270554
Ion Ratio Lower Upper
152 100
115 52.5 37.1 111.3
150 154.8 0.0 339.6



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: 45.668 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX011924.D

Acq: 30 Aug 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

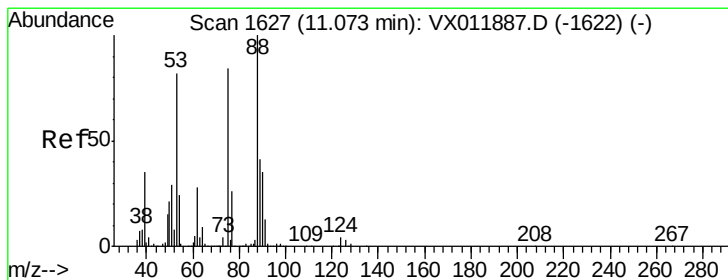
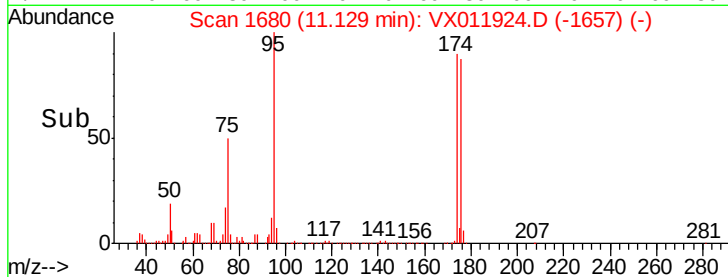
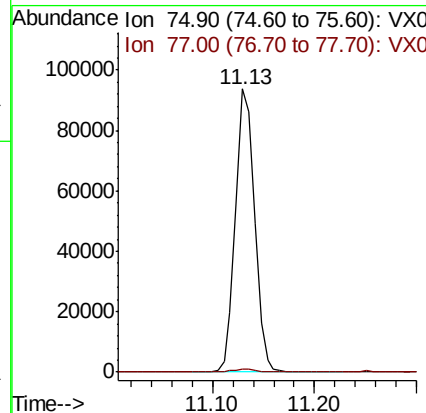
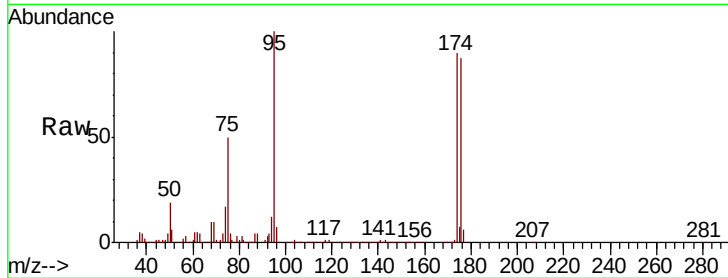
T1-2-D-(2.5)

Tgt Ion: 75 Resp: 121542

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.725 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011924.D

Acq: 30 Aug 2019 23:59

Tgt Ion: 75 Resp: 121542

Ion Ratio Lower Upper

75 100

53 0.2 77.1 115.7#

89 0.0 38.2 57.2#

