

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011928.D
 Acq On : 31 Aug 2019 01:51
 Operator : SY/SP
 Sample : K4472-19
 Misc : 6.05g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S3-(0)

Quant Time: Aug 31 02:40:16 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	425991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	567383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	496085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	251562	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	180922	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	
35) Dibromofluoromethane	5.48	113	166833	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
50) Toluene-d8	8.71	98	641577	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.13	95	231660	40.61	ug/l	0.00
Spiked Amount			Recovery	=	81.22%	

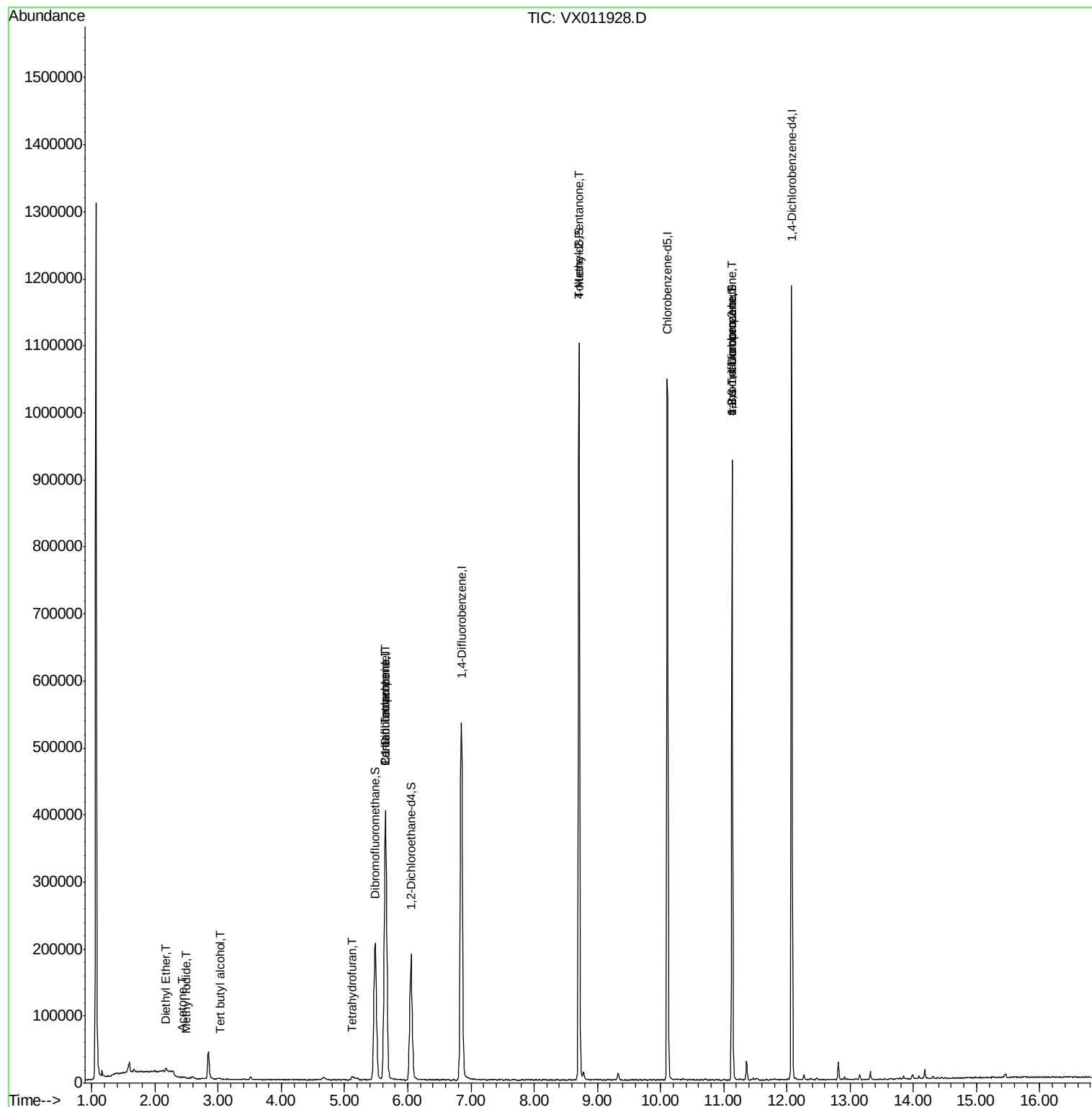
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1816	1.069	ug/l	85
10) Methyl Iodide	2.50	142	418	3.786	ug/l #	43
11) Tert butyl alcohol	3.03	59	2223	5.661	ug/l	96
16) Acetone	2.43	43	2313	2.634	ug/l	95
29) Tetrahydrofuran	5.12	42	4812	6.028	ug/l #	86
36) 1,1-Dichloropropene	5.64	75	26051	5.795	ug/l #	51
38) Carbon Tetrachloride	5.65	117	36645	7.029	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	3107	1.134	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	114147	46.127	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	114147	115.879	ug/l #	11

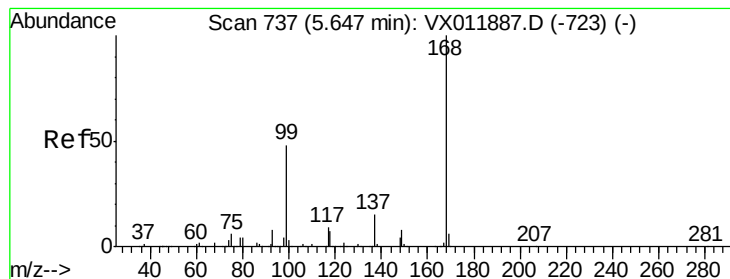
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T6-S3-(0)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011928.D

Acq: 31 Aug 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

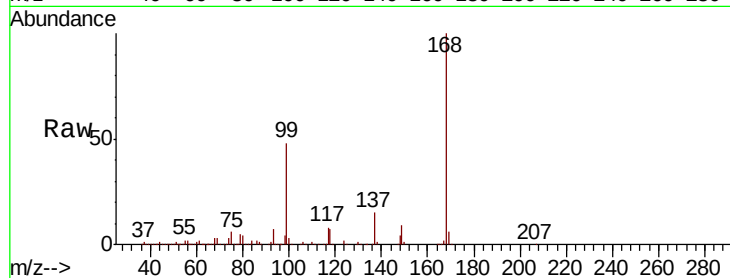
T6-S3-(0)

Tgt Ion:168 Resp: 425991

Ion Ratio Lower Upper

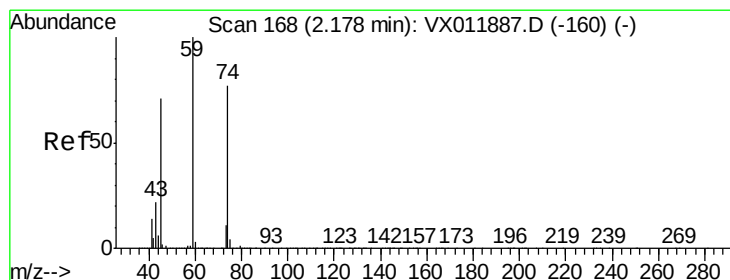
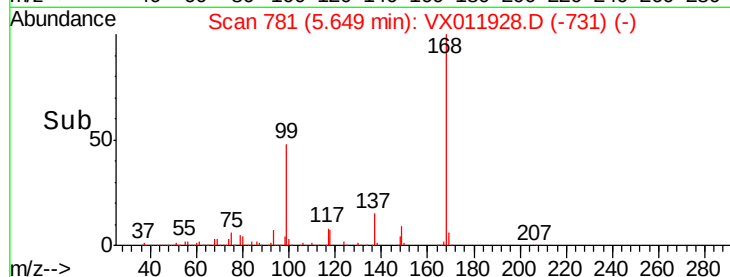
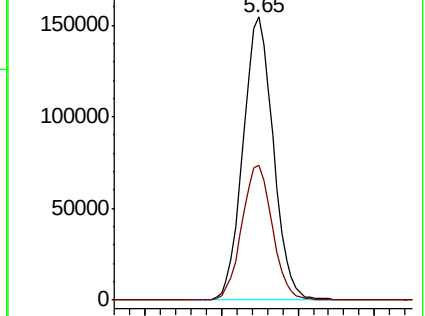
168 100

99 47.5 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.069 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX011928.D

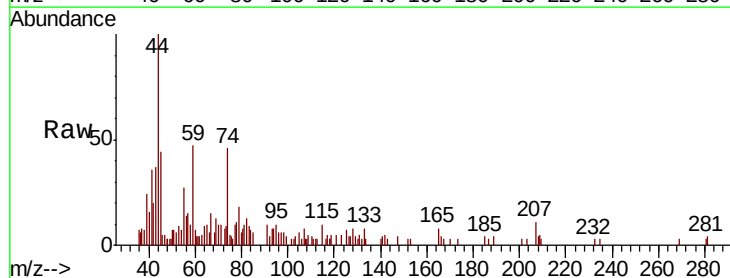
Acq: 31 Aug 2019 01:51

Tgt Ion: 74 Resp: 1816

Ion Ratio Lower Upper

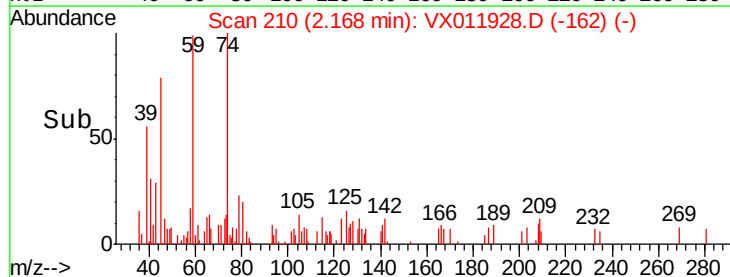
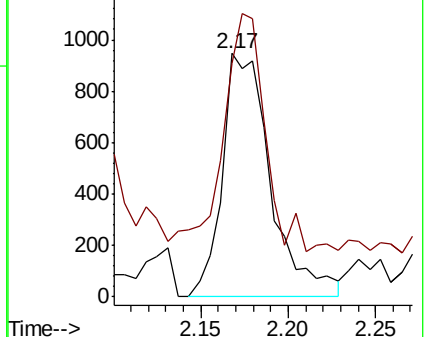
74 100

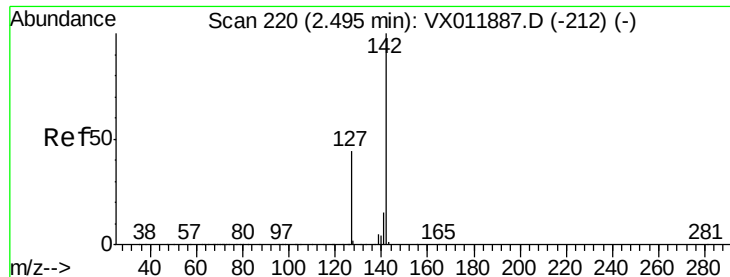
45 78.5 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

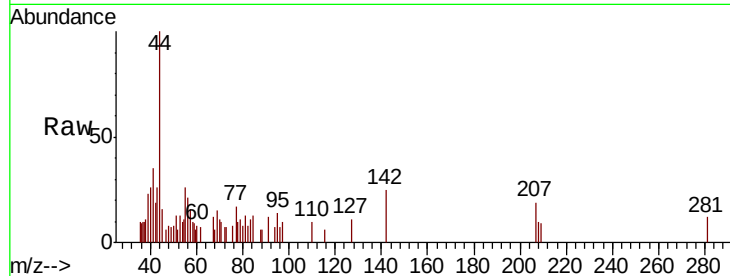




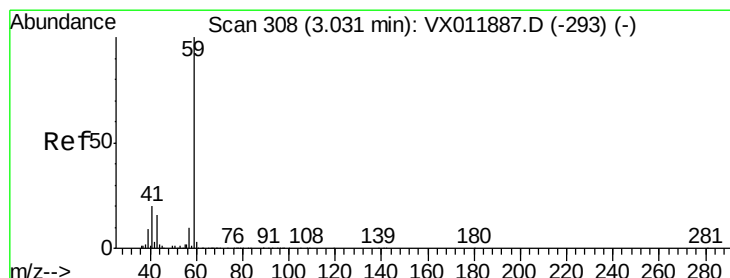
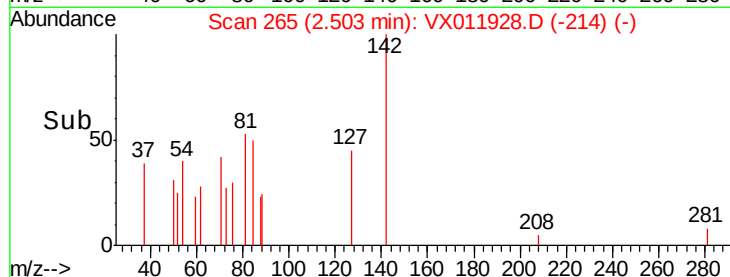
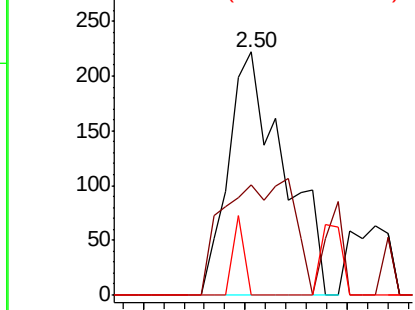
#10
Methyl Iodide
Concen: 3.786 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011928.D
Acq: 31 Aug 2019 01:51

Instrument :
MSVOA_X
ClientSampled :
T6-S3-(0)

Tgt Ion:142 Resp: 418
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 6.2 11.8 17.6#

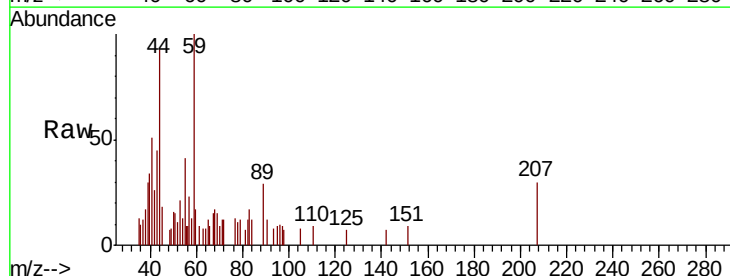


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

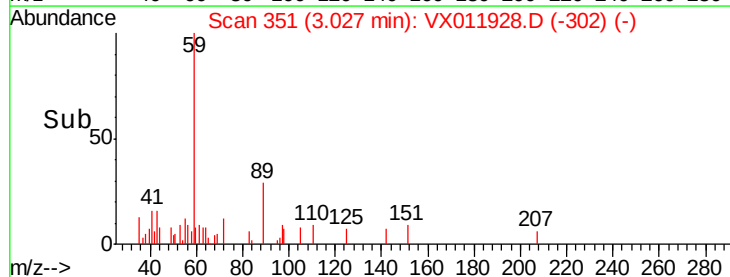
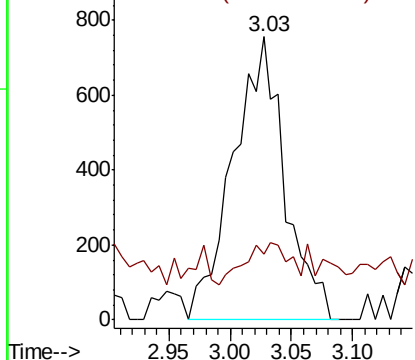


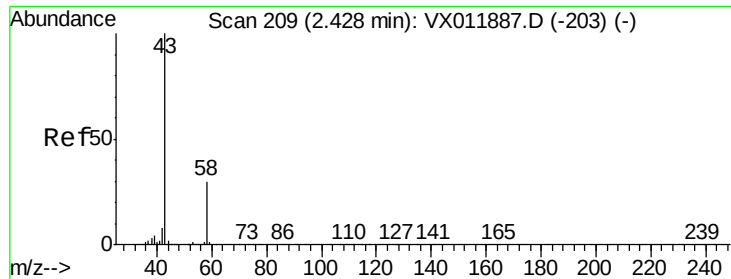
#11
Tert butyl alcohol
Concen: 5.661 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011928.D
Acq: 31 Aug 2019 01:51

Tgt Ion: 59 Resp: 2223
Ion Ratio Lower Upper
59 100
57 12.2 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.634 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011928.D

Acq: 31 Aug 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

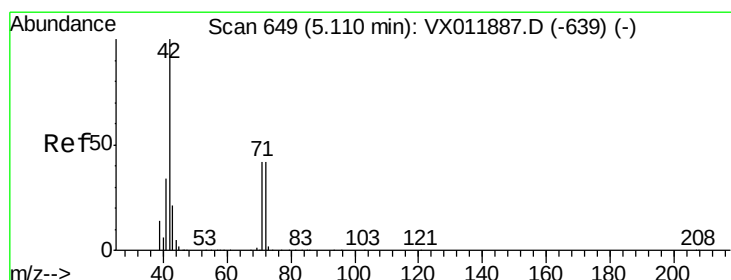
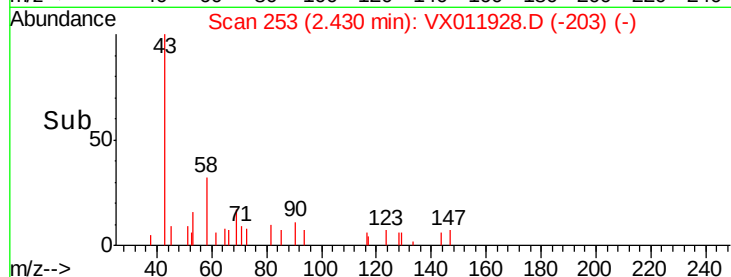
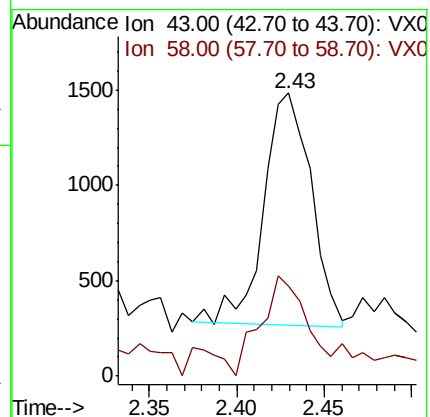
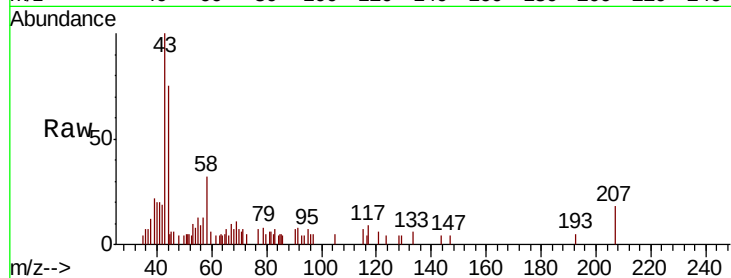
T6-S3-(0)

Tgt Ion: 43 Resp: 2313

Ion Ratio Lower Upper

43 100

58 26.9 23.8 35.8



#29

Tetrahydrofuran

Concen: 6.028 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011928.D

Acq: 31 Aug 2019 01:51

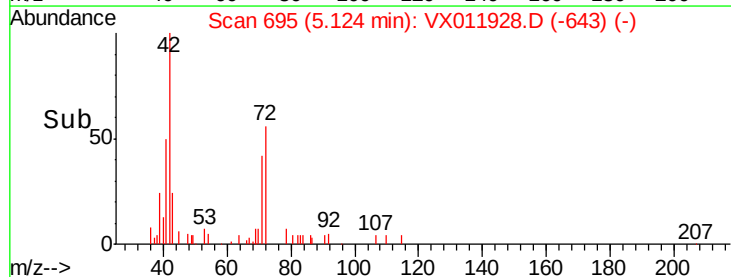
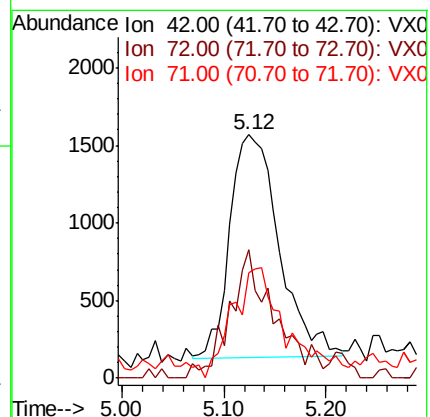
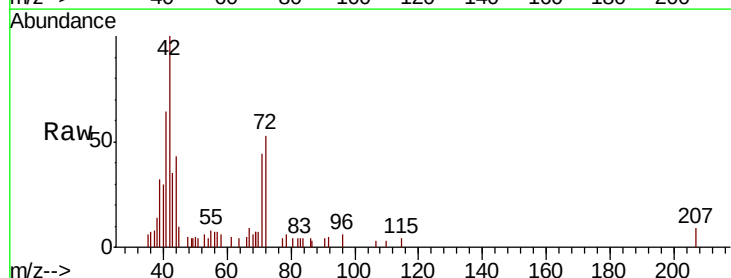
Tgt Ion: 42 Resp: 4812

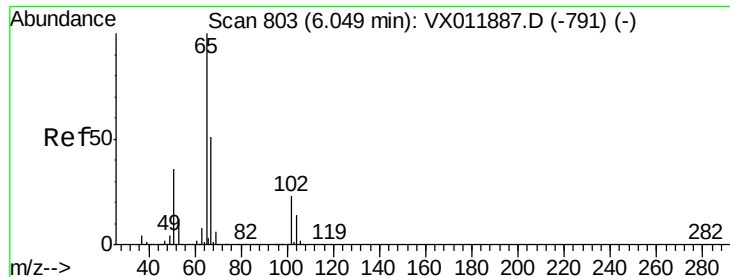
Ion Ratio Lower Upper

42 100

72 49.5 36.2 54.4

71 54.9 33.1 49.7#

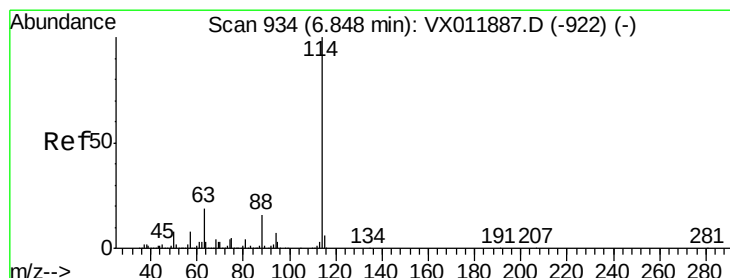
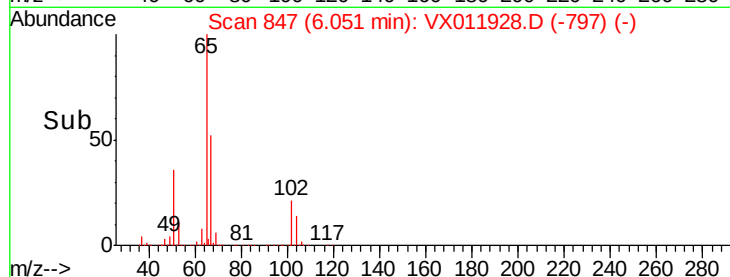
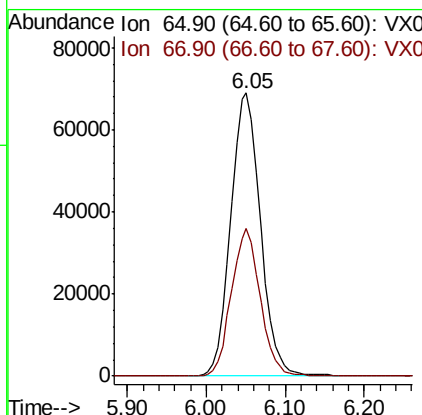
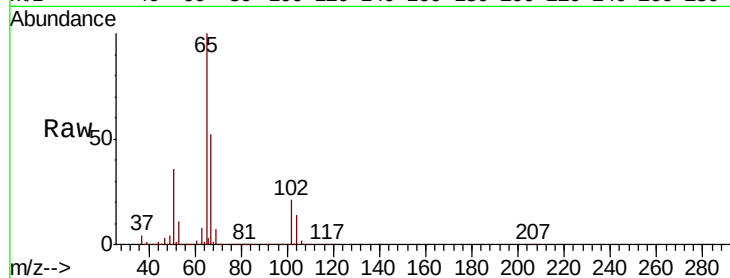




#33
 1,2-Dichloroethane-d4
 Concen: 44.328 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011928.D
 Acq: 31 Aug 2019 01:51

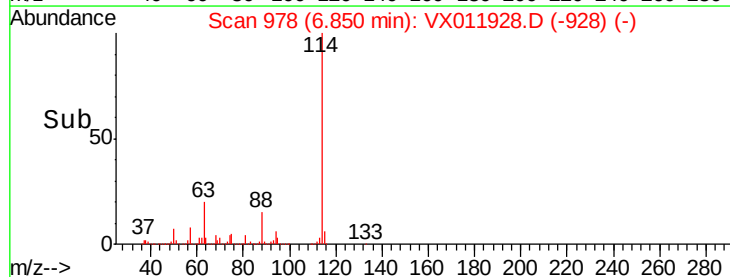
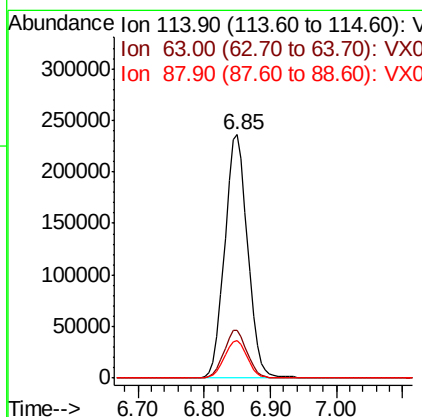
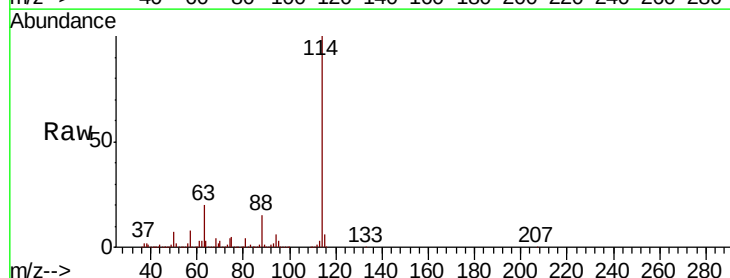
Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S3-(0)

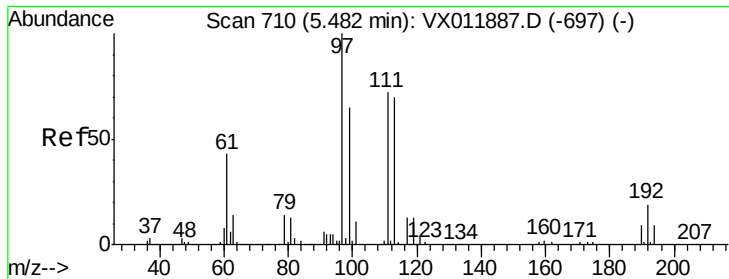
Tgt Ion: 65 Resp: 180922
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011928.D
 Acq: 31 Aug 2019 01:51

Tgt Ion: 114 Resp: 567383
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 15.3 0.0 31.2

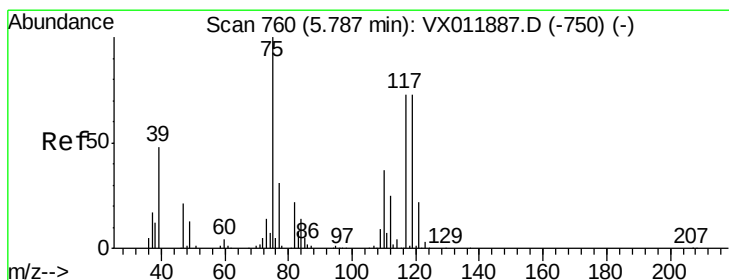
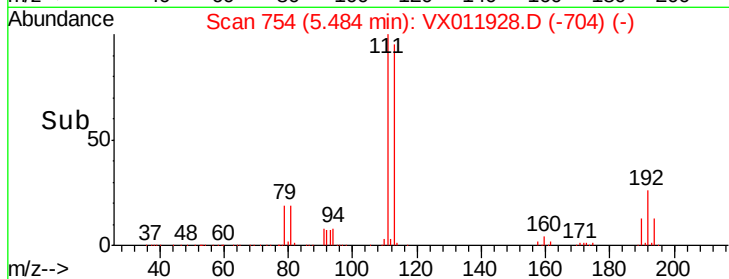
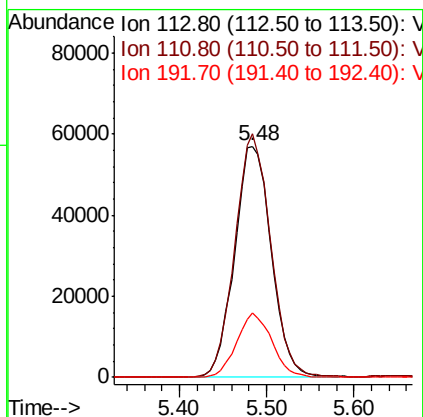
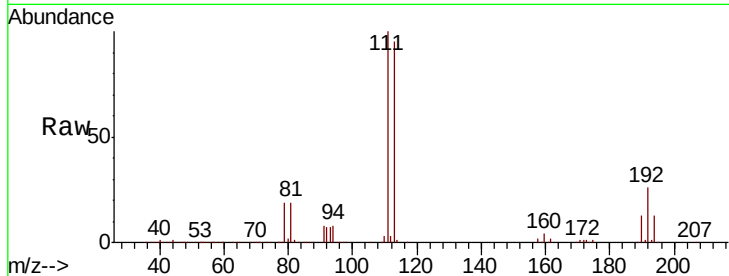




#35
 Dibromofluoromethane
 Concen: 45.855 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011928.D
 Acq: 31 Aug 2019 01:51

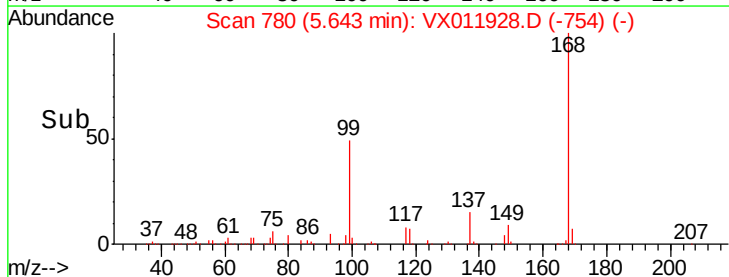
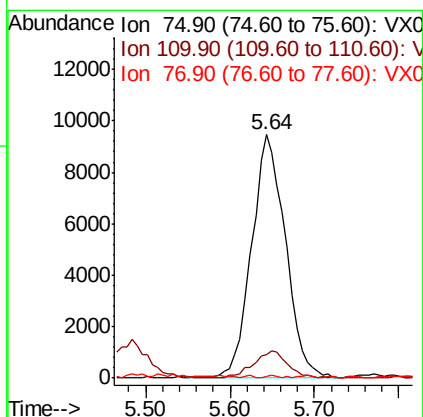
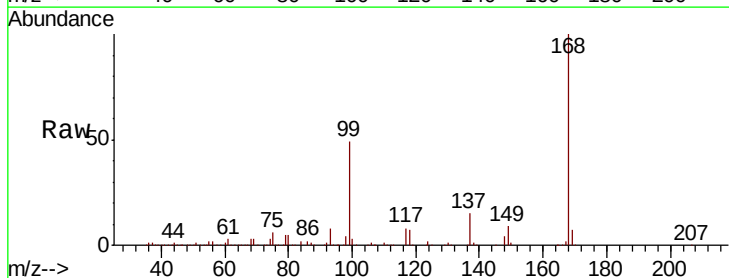
Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S3-(0)

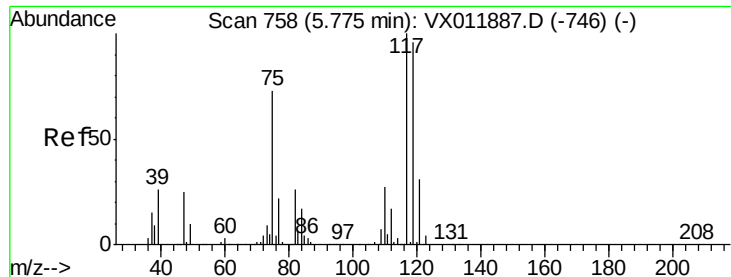
Tgt Ion:113 Resp: 166833
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.1 123.1
 192 26.8 21.5 32.3



#36
 1,1-Dichloropropene
 Concen: 5.795 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.14 min
 Lab File: VX011928.D
 Acq: 31 Aug 2019 01:51

Tgt Ion: 75 Resp: 26051
 Ion Ratio Lower Upper
 75 100
 110 11.1 19.1 57.3#
 77 0.4 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.029 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011928.D

Acq: 31 Aug 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

T6-S3-(0)

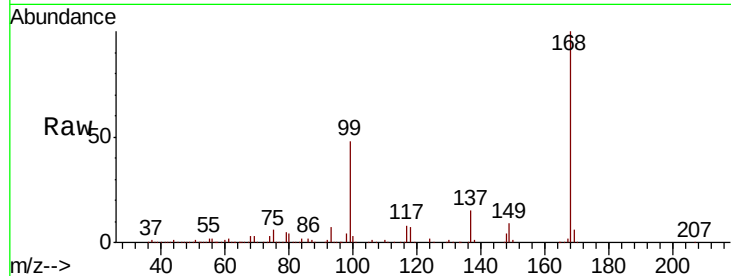
Tgt Ion:117 Resp: 36645

Ion Ratio Lower Upper

117 100

119 4.7 76.6 114.8#

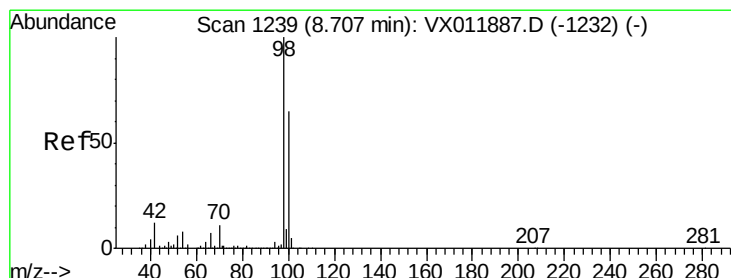
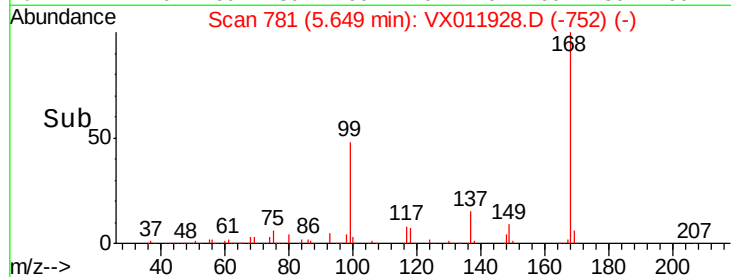
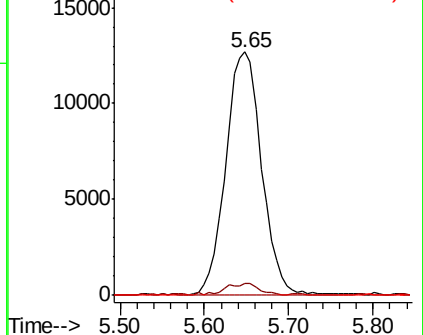
121 0.0 24.7 37.1#



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: 49.330 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011928.D

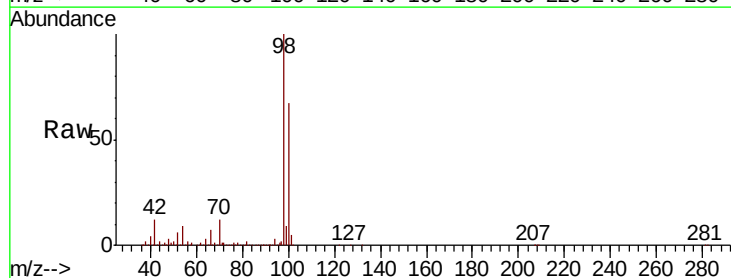
Acq: 31 Aug 2019 01:51

Tgt Ion: 98 Resp: 641577

Ion Ratio Lower Upper

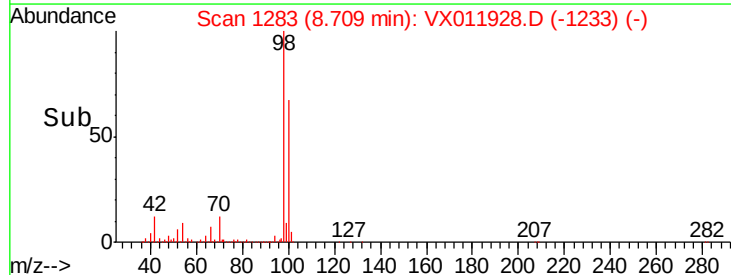
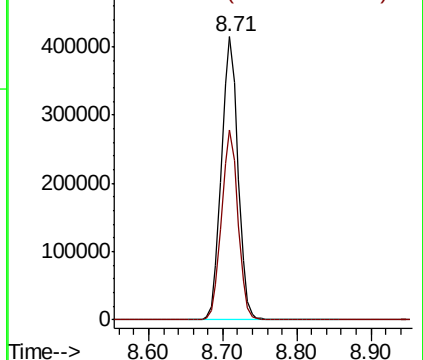
98 100

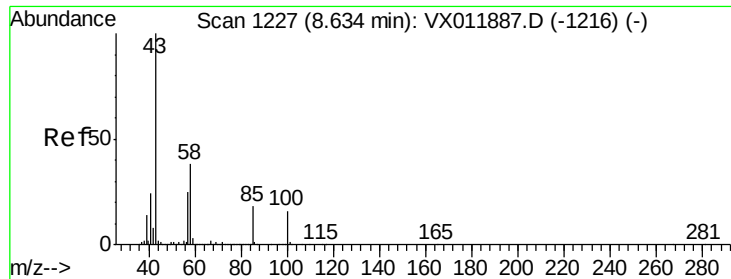
100 66.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

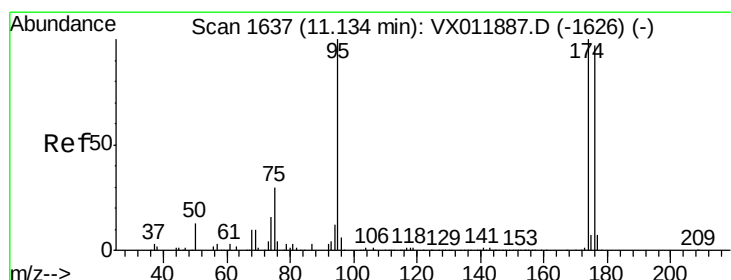
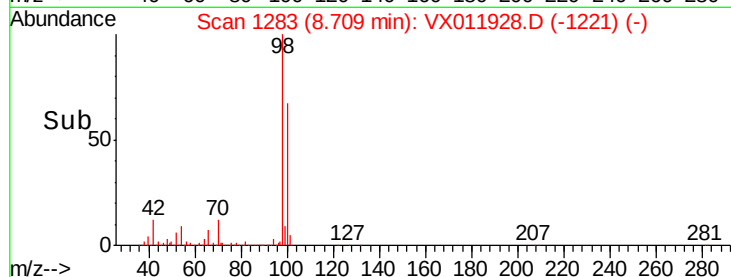
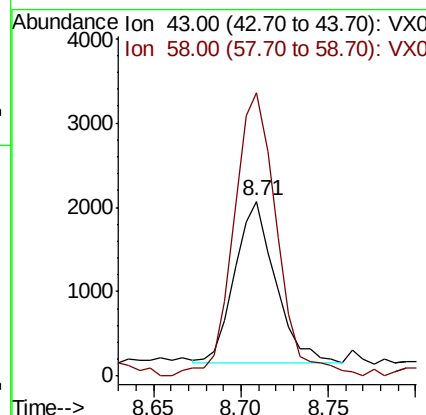
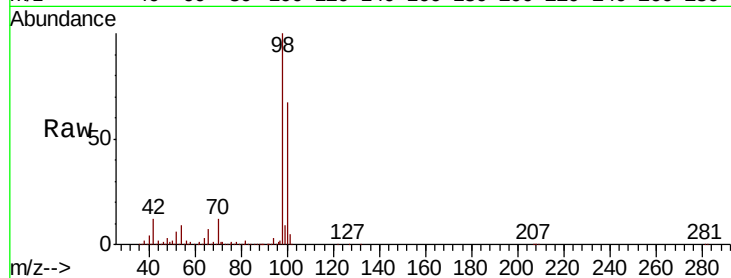




#51
 4-Methyl-2-Pentanone
 Concen: 1.134 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.07 min
 Lab File: VX011928.D
 Acq: 31 Aug 2019 01:51

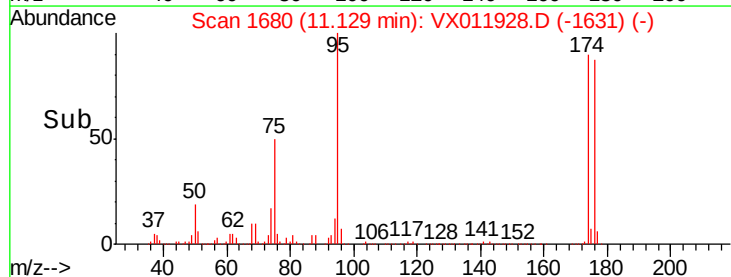
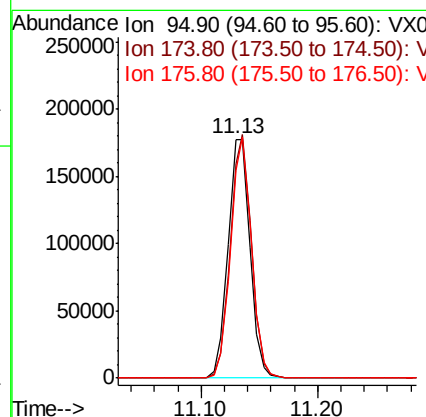
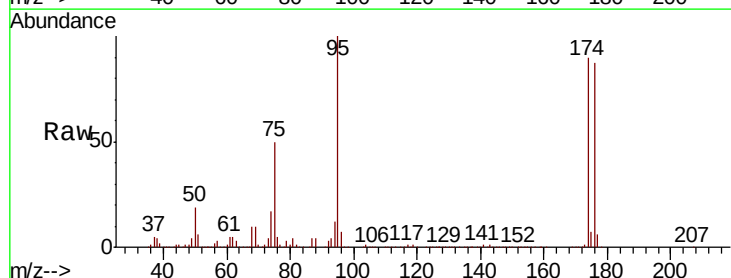
Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S3-(0)

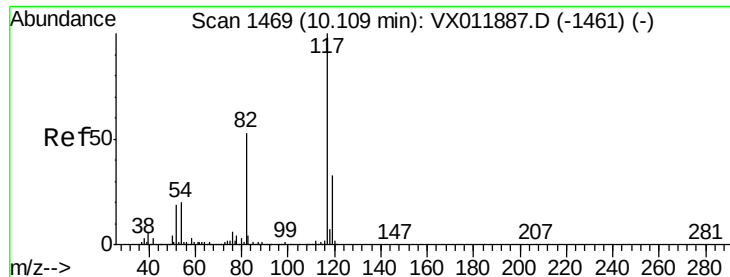
Tgt Ion: 43 Resp: 3107
 Ion Ratio Lower Upper
 43 100
 58 185.0 30.9 46.3#



#62
 4-Bromofluorobenzene
 Concen: 40.605 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VX011928.D
 Acq: 31 Aug 2019 01:51

Tgt Ion: 95 Resp: 231660
 Ion Ratio Lower Upper
 95 100
 174 98.2 0.0 196.0
 176 96.2 0.0 191.4

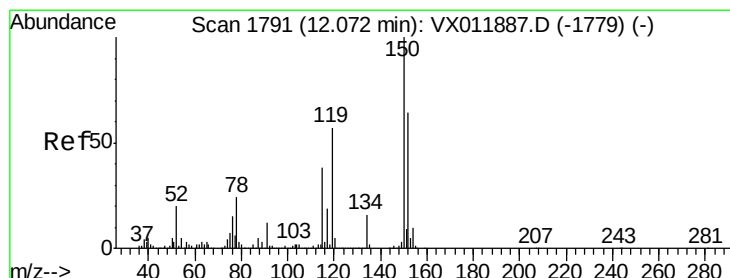
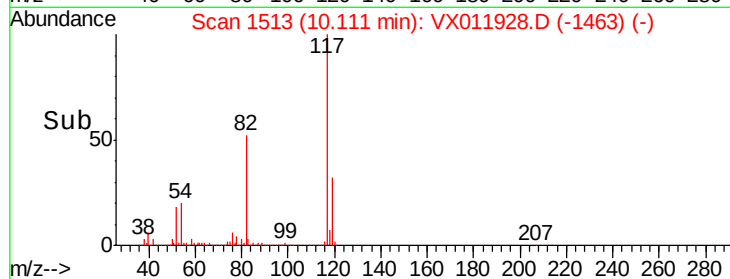
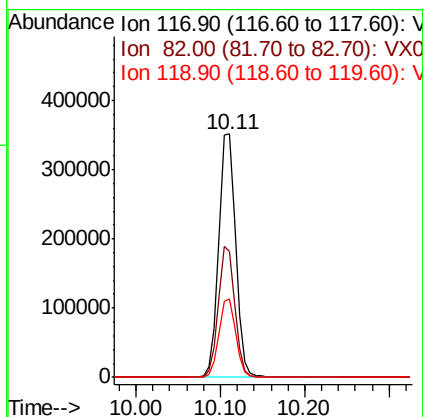
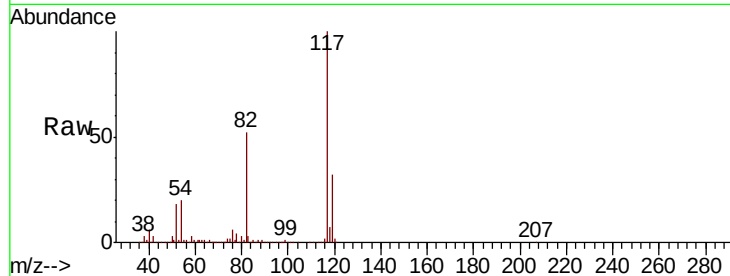




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011928.D
Acq: 31 Aug 2019 01:51

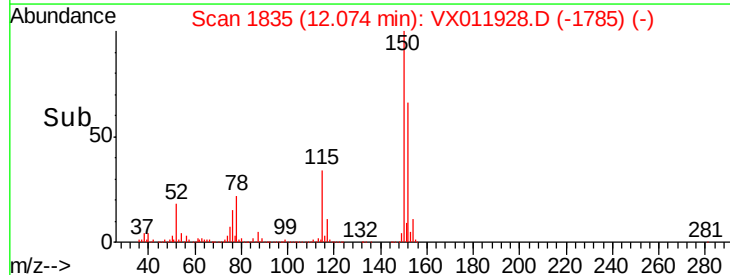
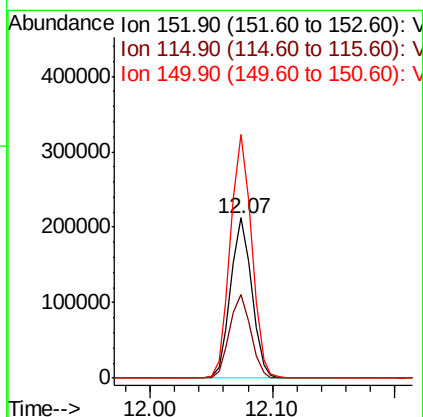
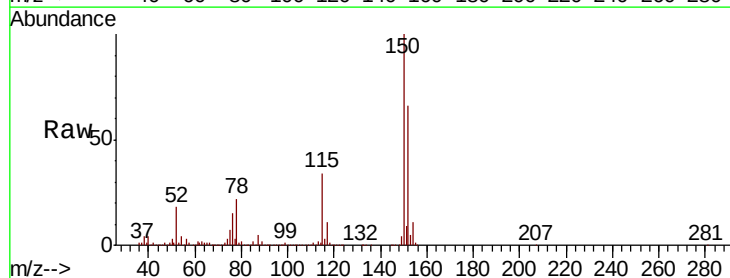
Instrument :
MSVOA_X
ClientSampleId :
T6-S3-(0)

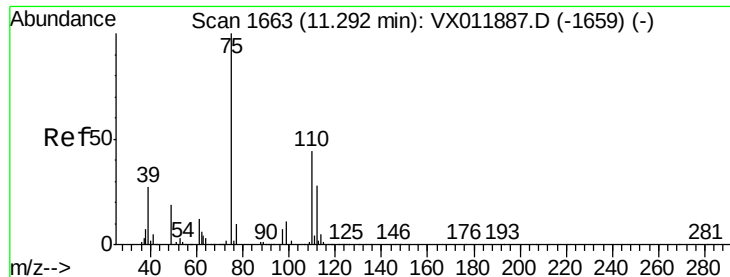
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.0	63.0
119	32.2	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011928.D
Acq: 31 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	37.1	111.3
150	153.7	0.0	339.6





#76

1,2,3-Trichloropropane

Concen: 46.127 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX011928.D

Acq: 31 Aug 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

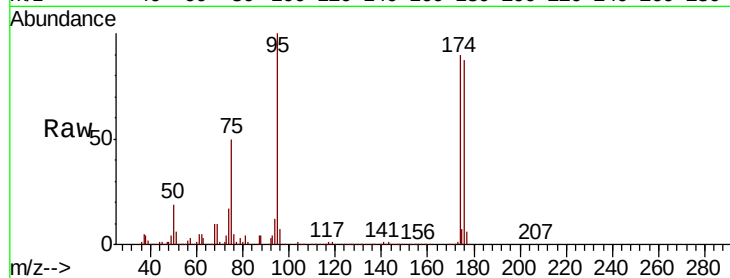
T6-S3-(0)

Tgt Ion: 75 Resp: 114147

Ion Ratio Lower Upper

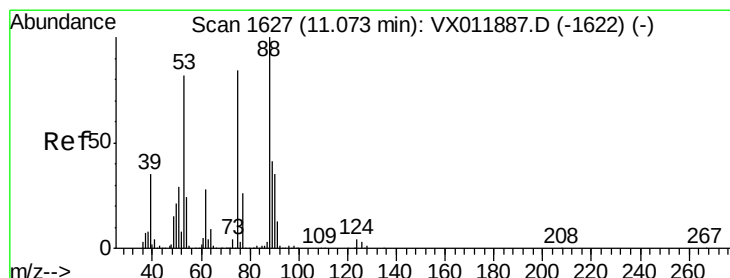
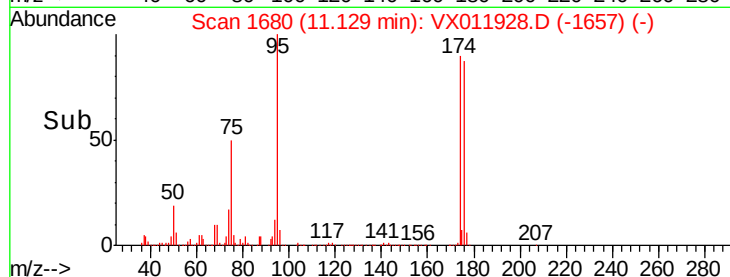
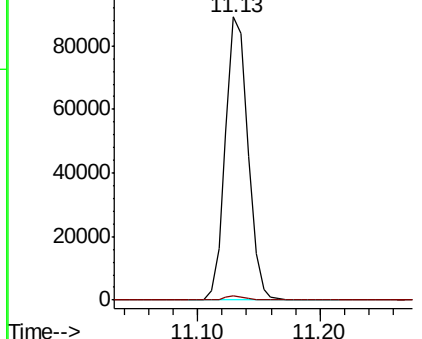
75 100

77 1.2 20.9 62.7#



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: 115.879 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011928.D

Acq: 31 Aug 2019 01:51

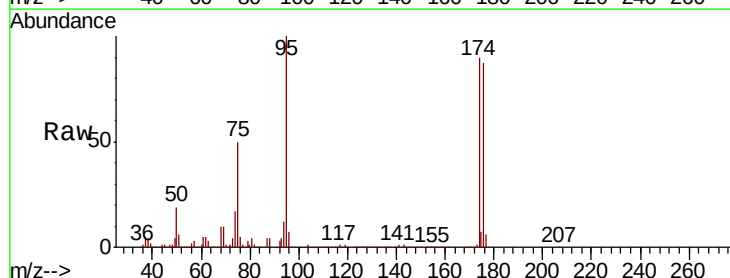
Tgt Ion: 75 Resp: 114147

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.0 38.2 57.2#



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

