

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012376.D
 Acq On : 13 Sep 2019 10:18
 Operator : SY/SP
 Sample : VX0913SBL01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 13 12:05:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	303584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119094	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	111770	43.39	ug/l	0.00
Spiked Amount			Recovery	=	86.78%	
35) Dibromofluoromethane	5.48	113	88440	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	
50) Toluene-d8	8.71	98	357803	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	11.13	95	136451	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	

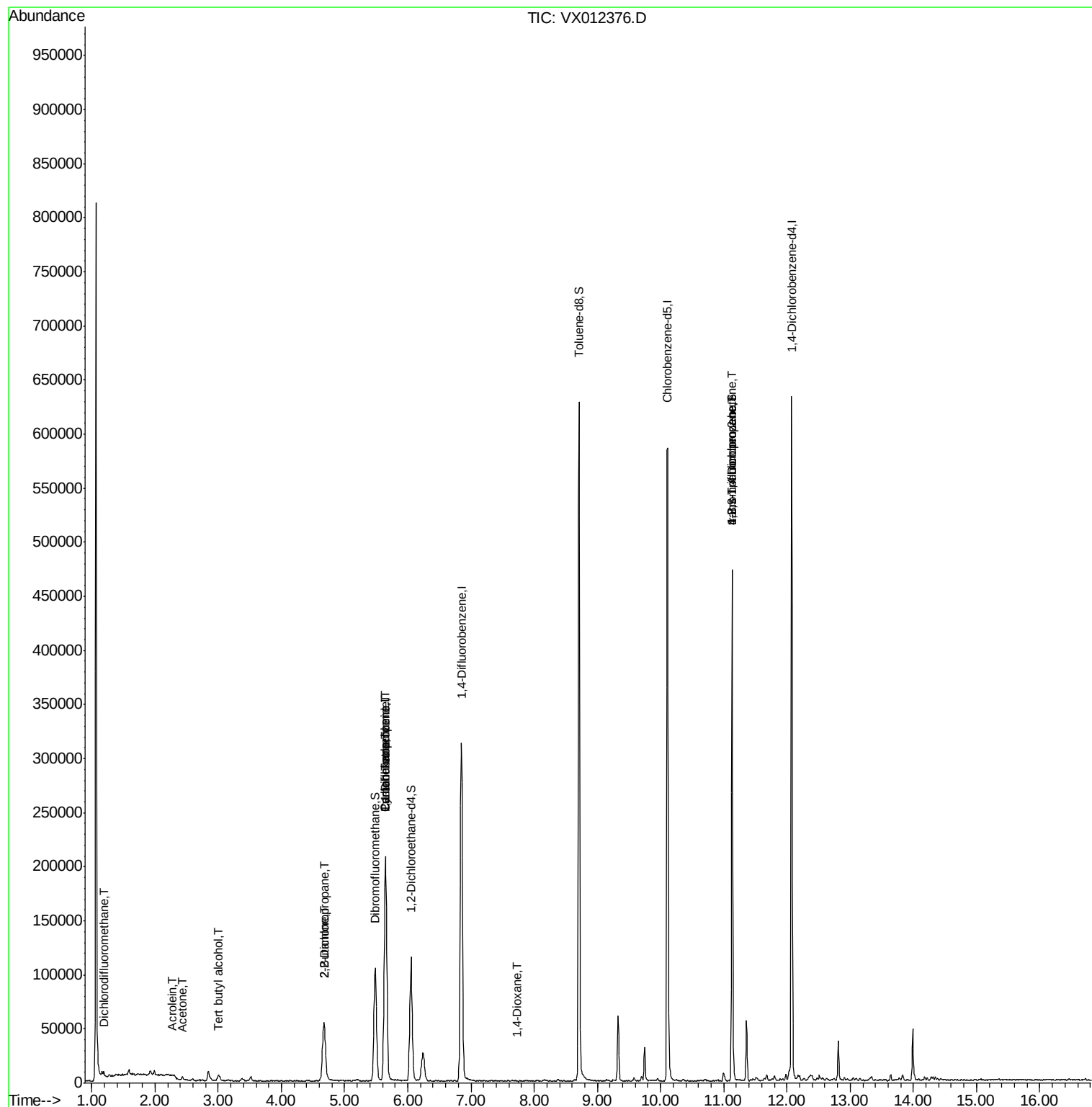
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	2022	1.357	ug/l	96
5) Bromomethane	1.63	94	207	Below Cal		96
11) Tert butyl alcohol	3.01	59	4630	7.982	ug/l #	88
13) Acrolein	2.28	56	455	3.379	ug/l #	75
16) Acetone	2.43	43	3818	6.261	ug/l #	88
20) Methylene Chloride	2.85	84	4006	Below Cal		91
25) 2-Butanone	4.67	43	4013	5.148	ug/l #	83
26) 2,2-Dichloropropane	4.67	77	4633	1.433	ug/l #	56
31) Cyclohexane	5.65	56	4370	1.827	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	15699	7.092	ug/l #	52
38) Carbon Tetrachloride	5.65	117	20825	8.018	ug/l #	14
49) 1,4-Dioxane	7.74	88	19	1.020	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71538	46.759	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	71538	140.100	ug/l #	5

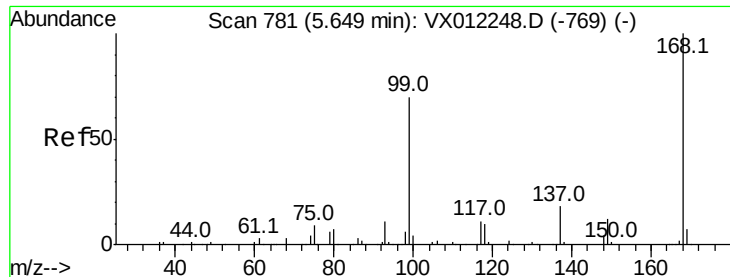
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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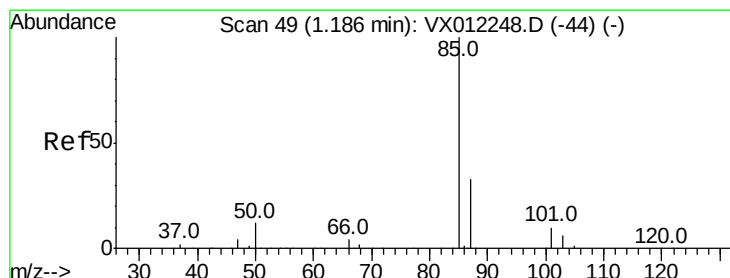
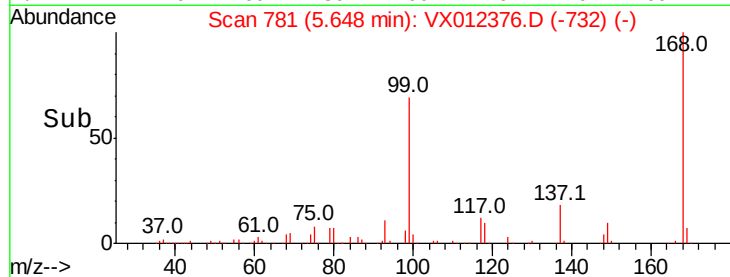
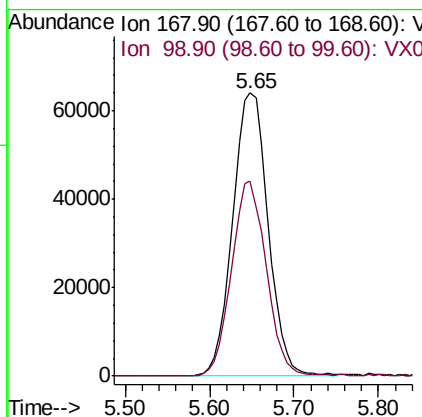
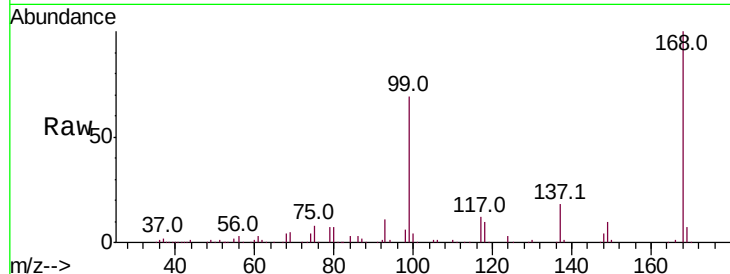




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX012376.D
Acq: 13 Sep 2019 10:18

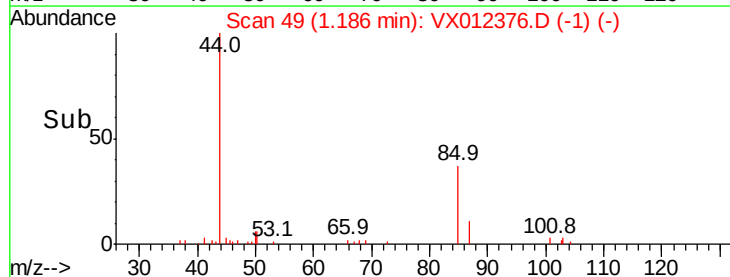
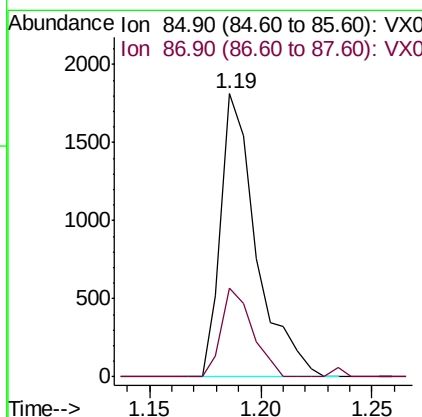
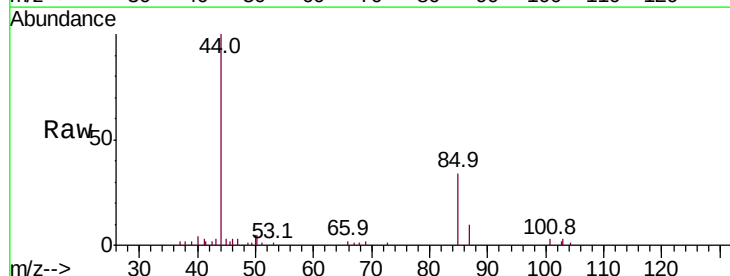
Instrument :
MSVOA_X
ClientSampleId :

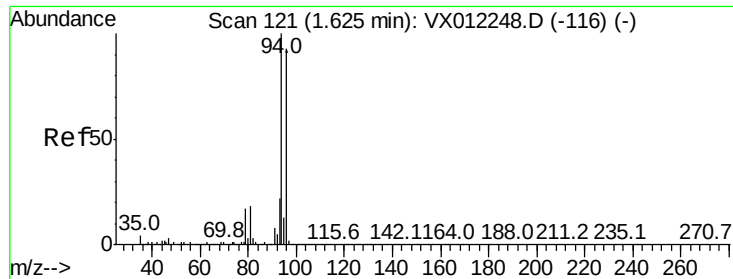
Tot Ion:168 Resp: 182195
Ion Ratio Lower Upper
168 100
99 68.7 55.8 83.6



#2
Dichlorodifluoromethane
Concen: 1.357 ug/l
RT: 1.19 min Scan# 49
Delta R.T. -0.00 min
Lab File: VX012376.D
Acq: 13 Sep 2019 10:18

Tgt Ion: 85 Resp: 2022
Ion Ratio Lower Upper
85 100
87 31.2 16.7 50.0





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012376.D

Acq: 13 Sep 2019 10:18

Instrument :

MSVOA_X

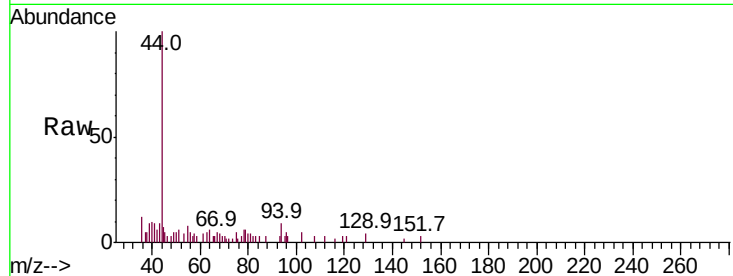
ClientSampleId :

Tot Ion: 94 Resp: 207

Ion Ratio Lower Upper

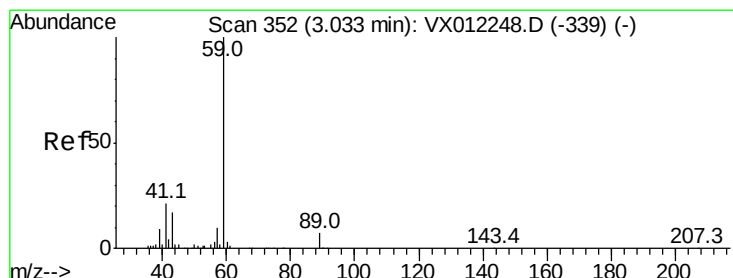
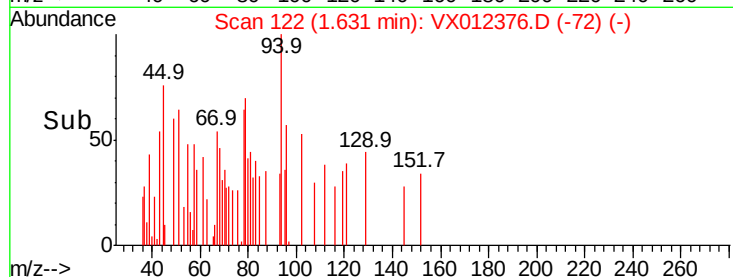
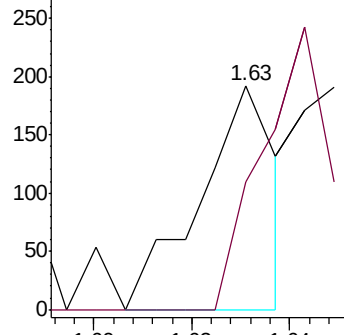
94 100

96 89.1 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 7.982 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX012376.D

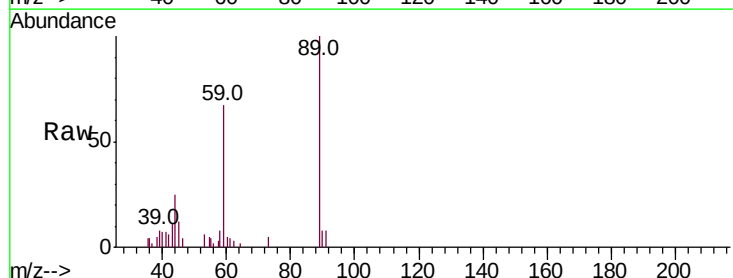
Acq: 13 Sep 2019 10:18

Tgt Ion: 59 Resp: 4630

Ion Ratio Lower Upper

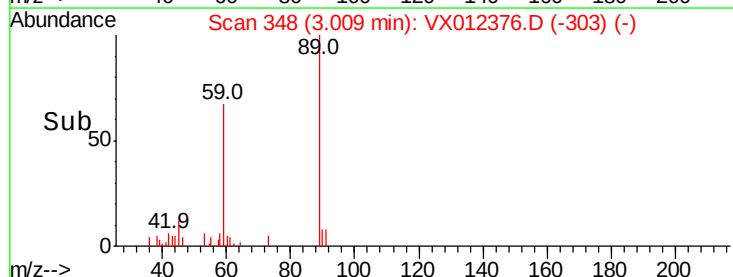
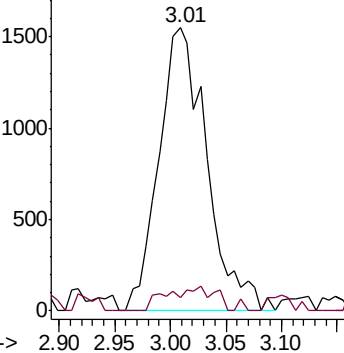
59 100

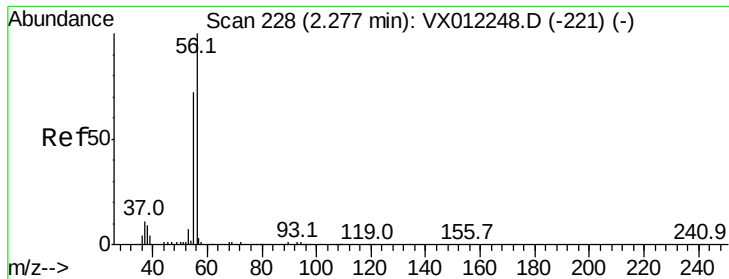
57 5.1 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

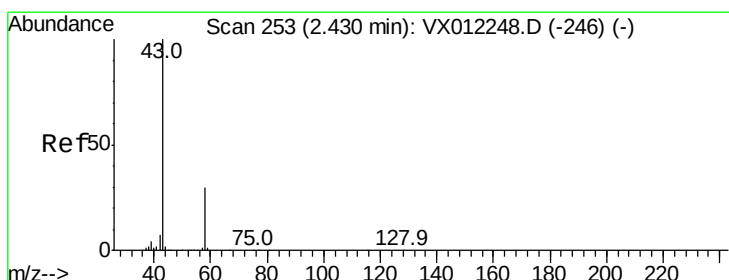
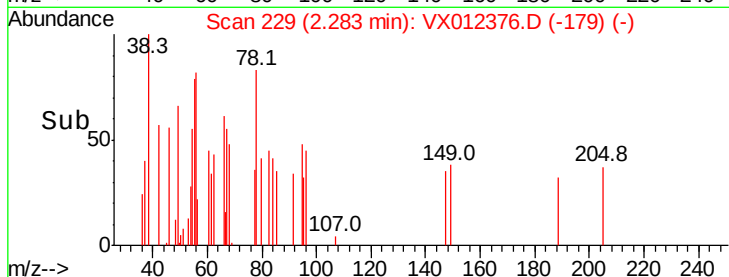
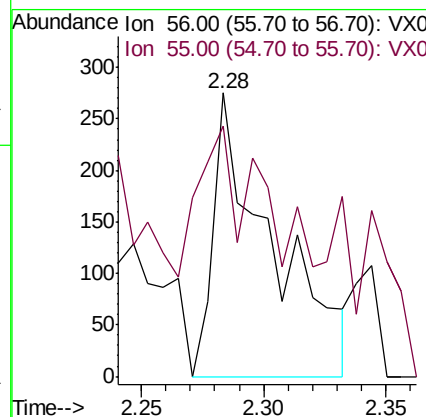
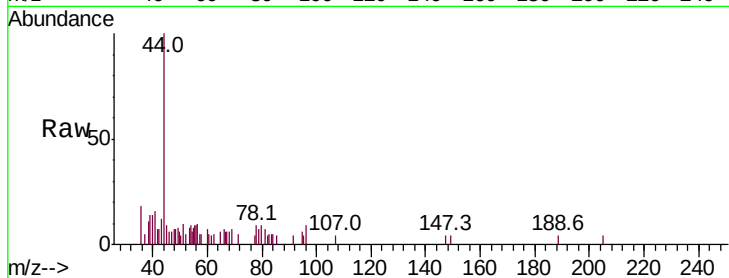




#13
Acrolein
Concen: 3.379 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012376.D
Acq: 13 Sep 2019 10:18

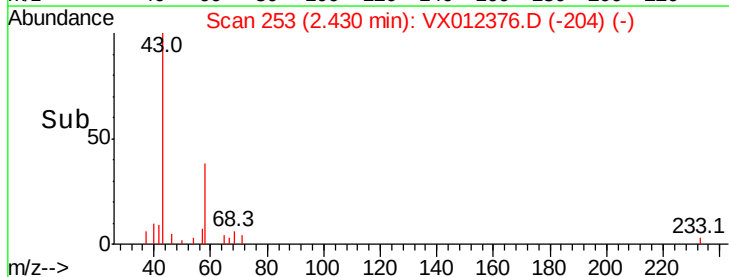
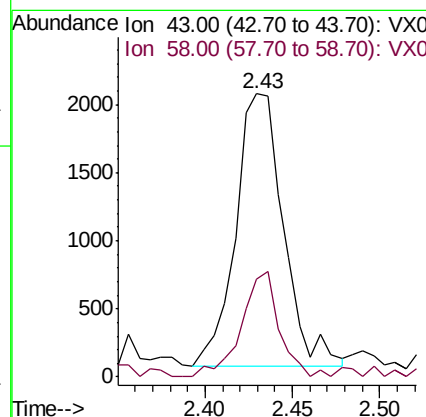
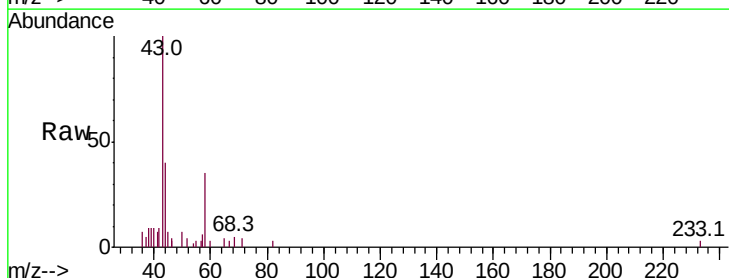
Instrument :
MSVOA_X
ClientSampled :

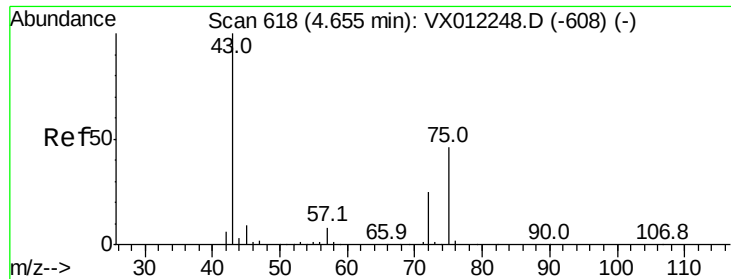
Tot Ion: 56 Resp: 455
Ion Ratio Lower Upper
56 100
55 53.6 59.8 89.6#



#16
Acetone
Concen: 6.261 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012376.D
Acq: 13 Sep 2019 10:18

Tgt Ion: 43 Resp: 3818
Ion Ratio Lower Upper
43 100
58 36.0 23.6 35.4#





#25

2-Butanone

Concen: 5.148 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX012376.D

Acq: 13 Sep 2019 10:18

Instrument :

MSVOA_X

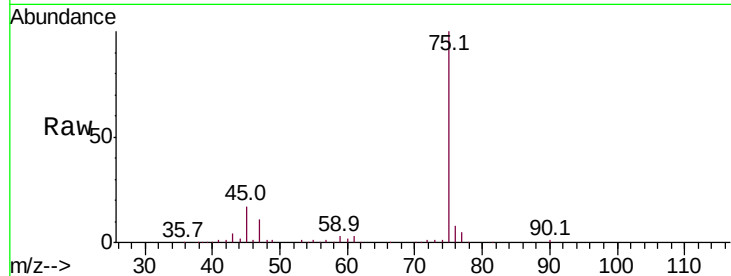
ClientSampled :

Tot Ion: 43 Resp: 4013

Ion Ratio Lower Upper

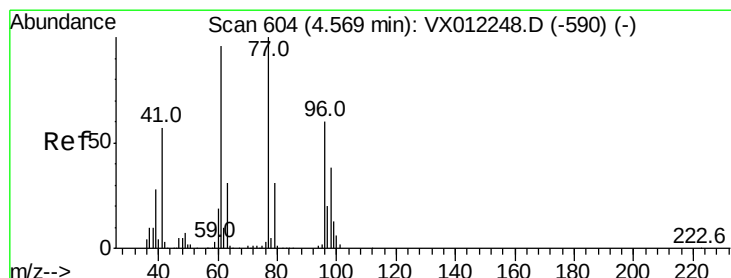
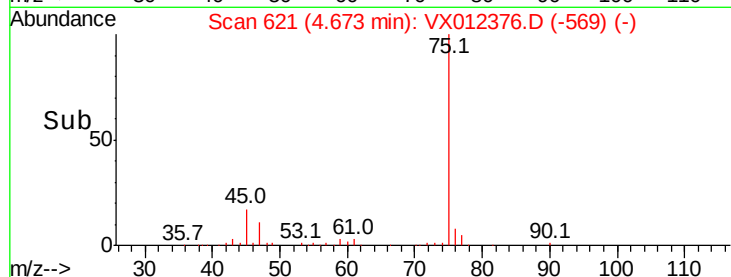
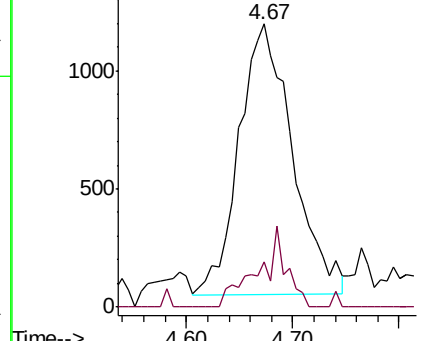
43 100

72 16.9 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 1.433 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.10 min

Lab File: VX012376.D

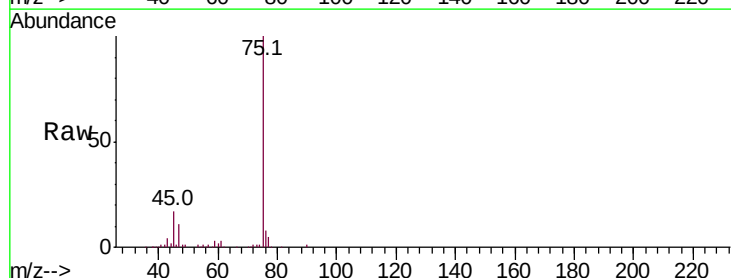
Acq: 13 Sep 2019 10:18

Tgt Ion: 77 Resp: 4633

Ion Ratio Lower Upper

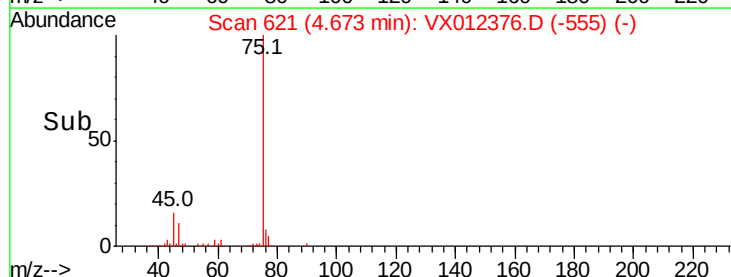
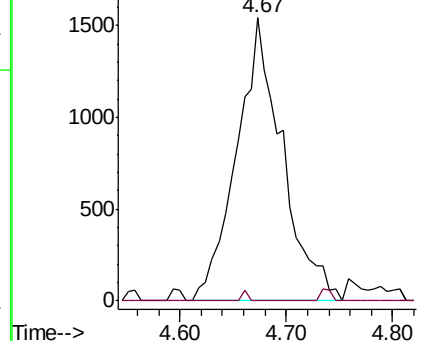
77 100

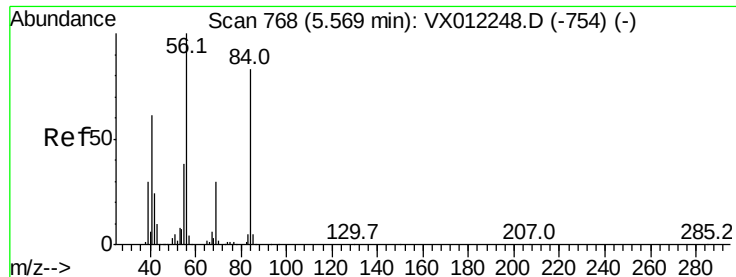
97 0.5 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

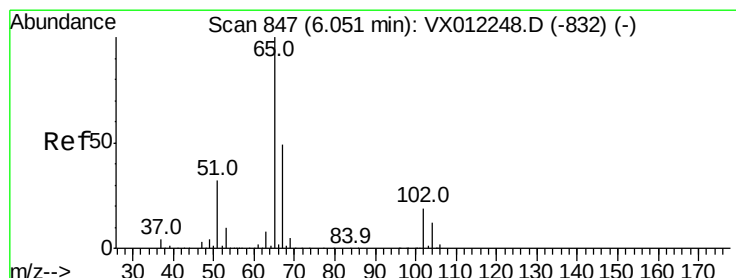
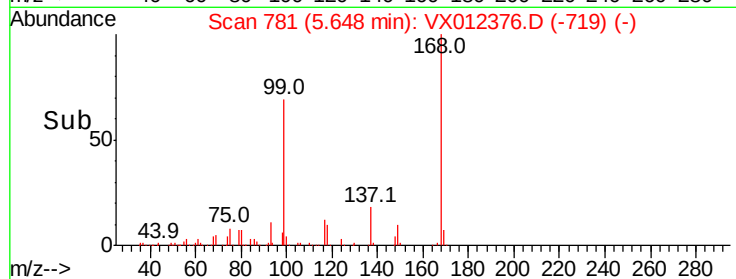
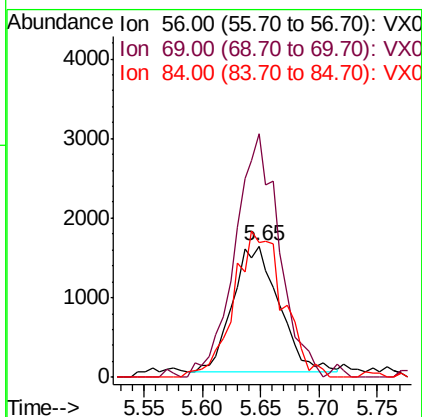
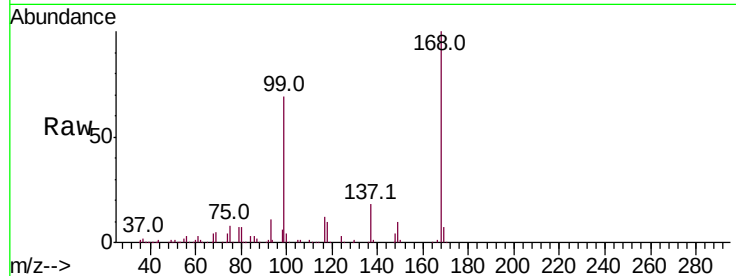




#31
Cyclohexane
Concen: 1.827 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012376.D
Acq: 13 Sep 2019 10:18

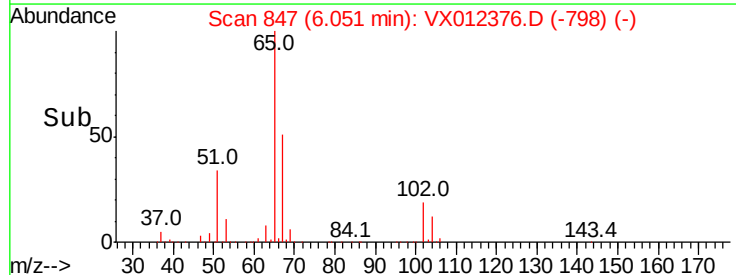
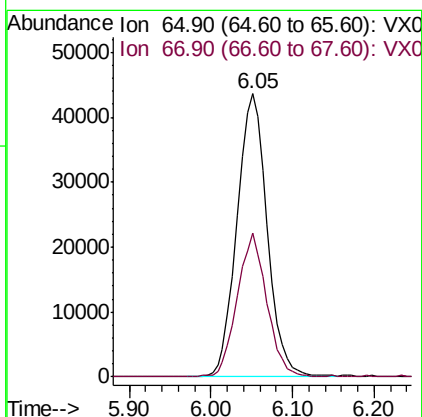
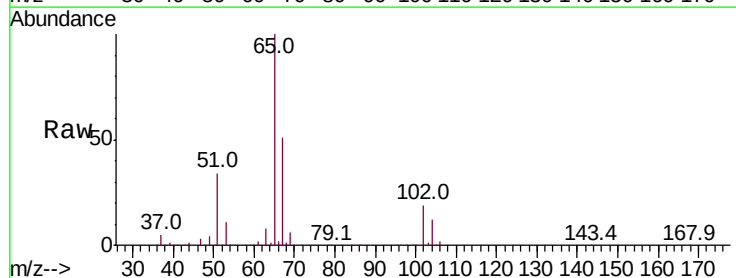
Instrument :
MSVOA_X
ClientSampled :

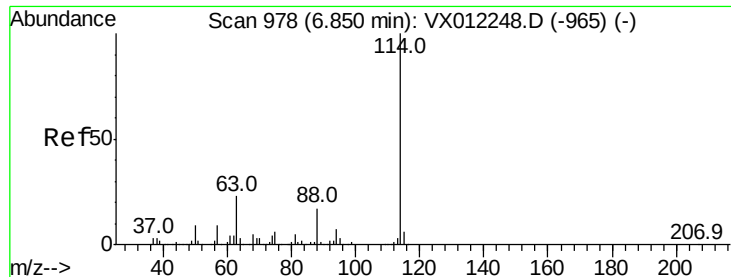
Tot Ion: 56 Resp: 4370
Ion Ratio Lower Upper
56 100
69 194.0 23.8 35.6#
84 107.7 66.6 100.0#



#33
1,2-Dichloroethane-d4
Concen: 43.391 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012376.D
Acq: 13 Sep 2019 10:18

Tgt Ion: 65 Resp: 111770
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012376.D

Acq: 13 Sep 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

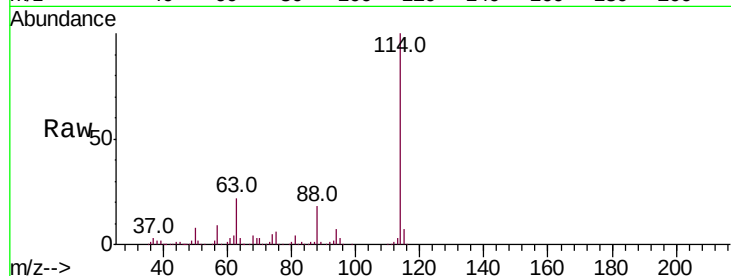
Tot Ion:114 Resp: 303584

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

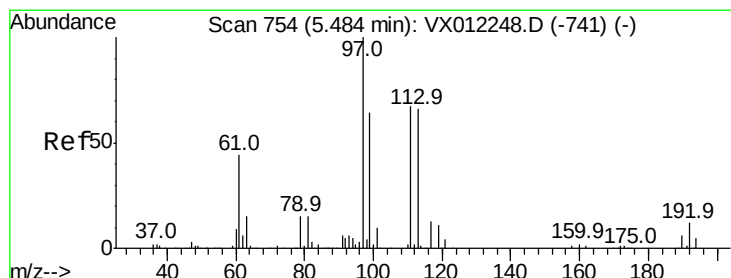
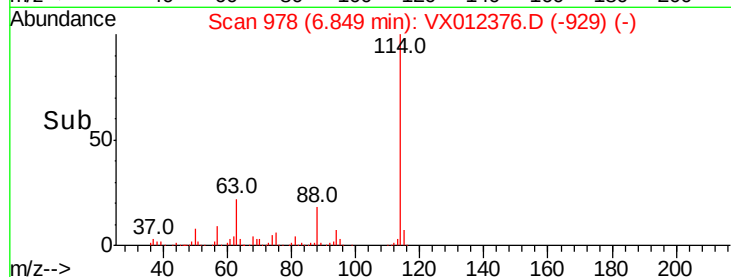
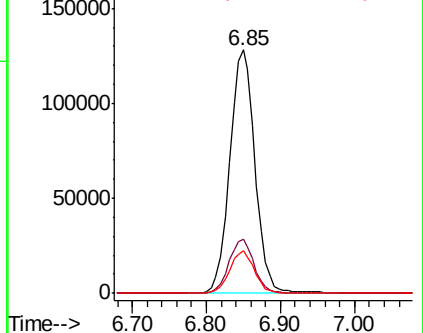
88 17.8 0.0 34.8



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: 45.444 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012376.D

Acq: 13 Sep 2019 10:18

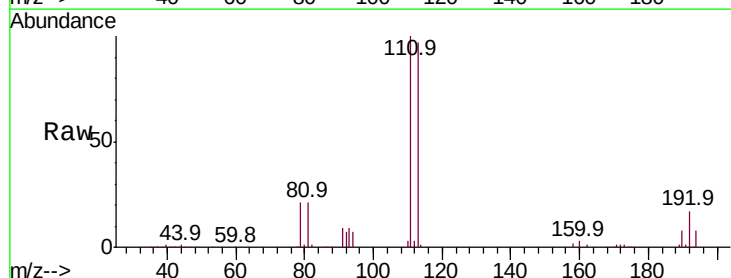
Tgt Ion:113 Resp: 88440

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

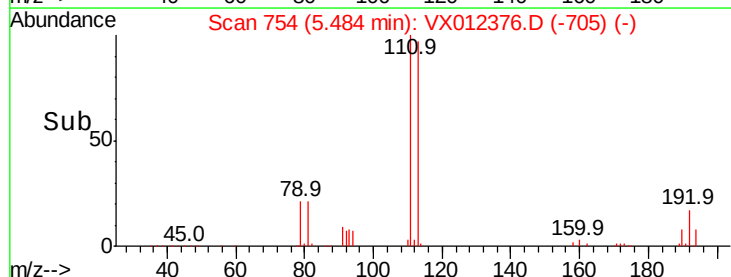
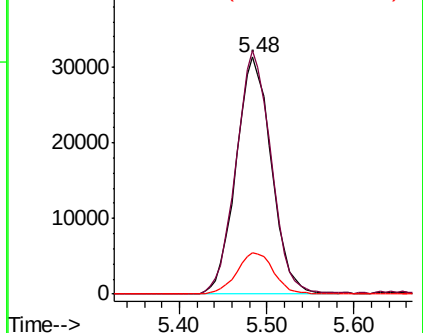
192 18.1 14.3 21.5

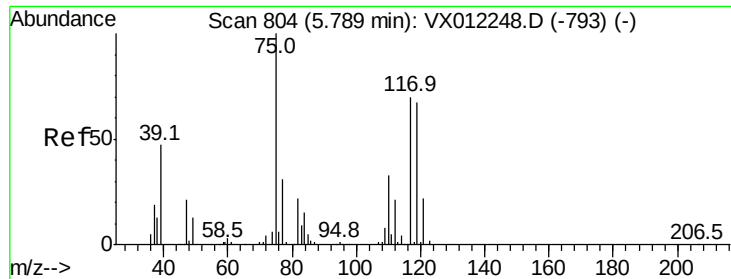


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

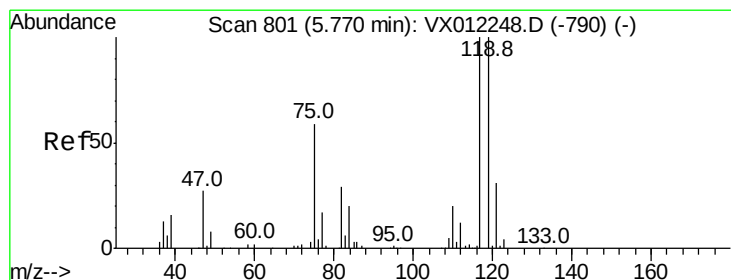
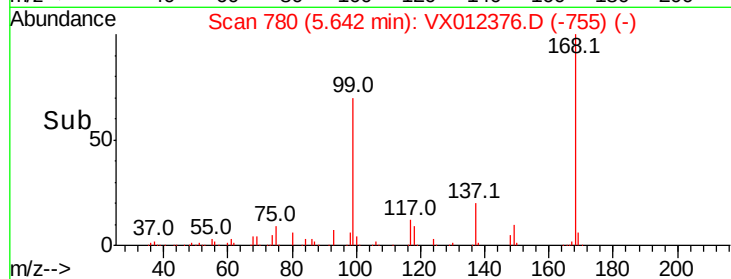
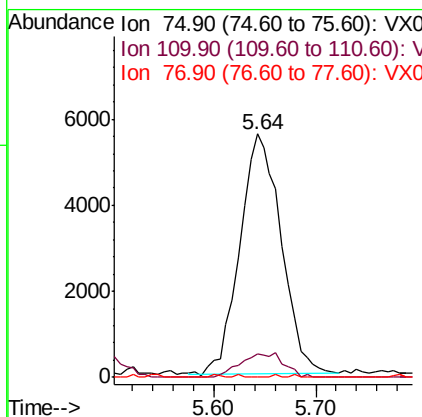
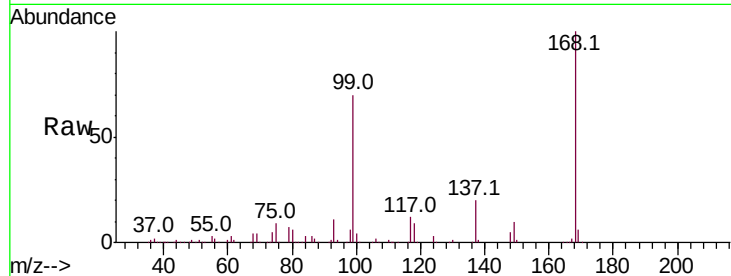




#36
 1,1-Dichloropropene
 Concen: 7.092 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012376.D
 Acq: 13 Sep 2019 10:18

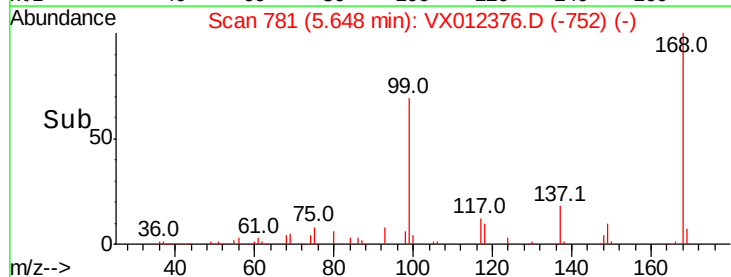
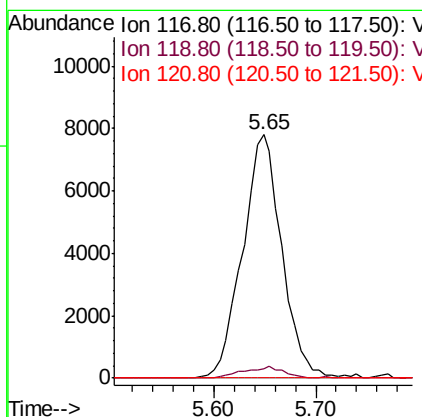
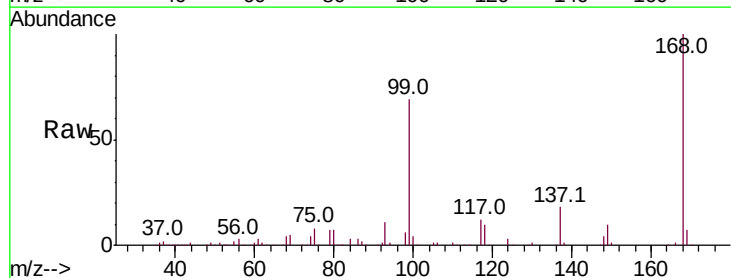
Instrument :
 MSVOA_X
 ClientSampleId :

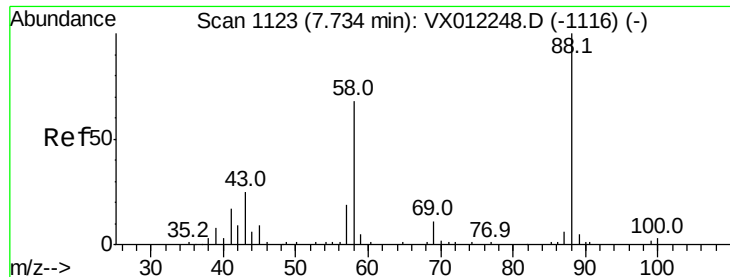
Tot Ion: 75 Resp: 15699
 Ion Ratio Lower Upper
 75 100
 110 10.4 16.8 50.4#
 77 0.2 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 8.018 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012376.D
 Acq: 13 Sep 2019 10:18

Tgt Ion: 117 Resp: 20825
 Ion Ratio Lower Upper
 117 100
 119 3.9 79.6 119.4#
 121 0.0 24.7 37.1#

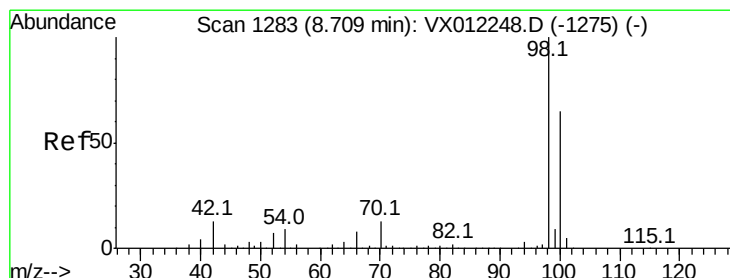
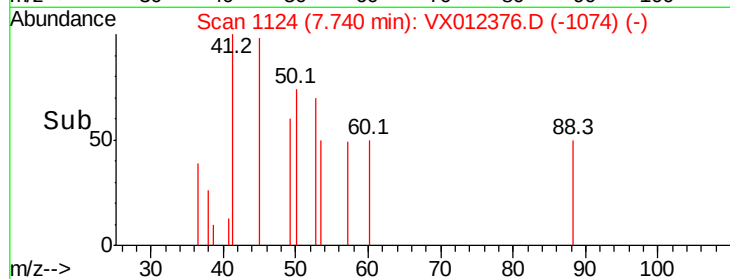
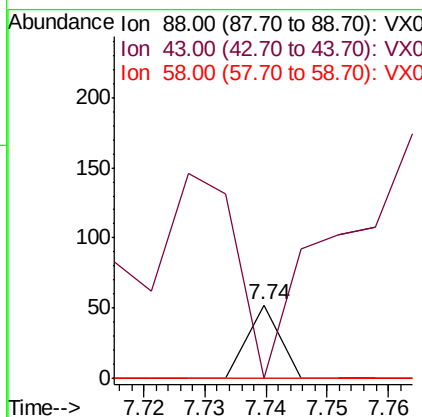
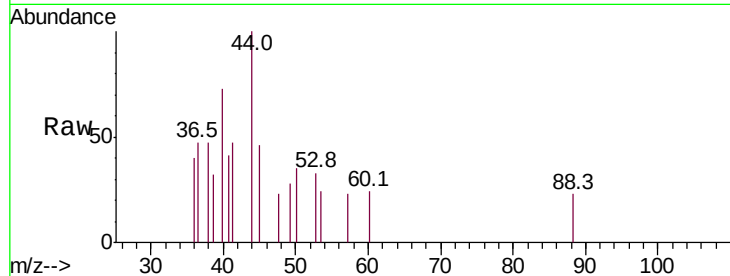




#49
 1,4-Dioxane
 Concen: 1.020 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX012376.D
 Acq: 13 Sep 2019 10:18

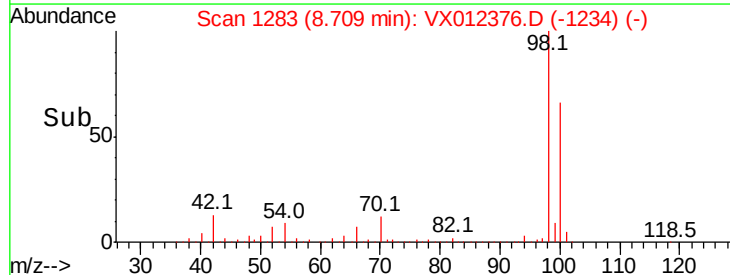
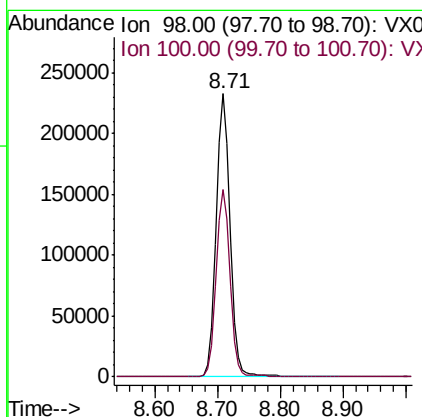
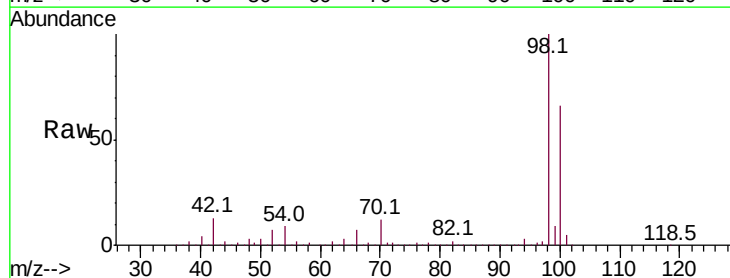
Instrument :
 MSVOA_X
 ClientSampled :

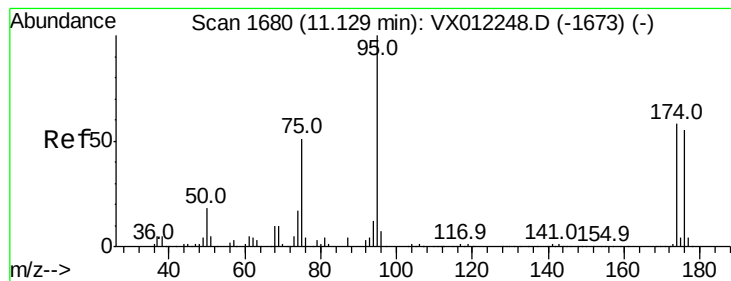
Tot Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 531.6 31.0 46.4#
 58 0.0 61.5 92.3#



#50
 Toluene-d8
 Concen: 52.420 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012376.D
 Acq: 13 Sep 2019 10:18

Tgt Ion: 98 Resp: 357803
 Ion Ratio Lower Upper
 98 100
 100 66.5 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 43.121 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX012376.D

Acq: 13 Sep 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

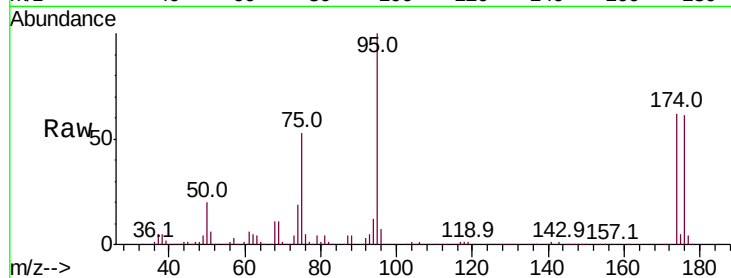
Tot Ion: 95 Resp: 136451

Ion Ratio Lower Upper

95 100

174 69.2 0.0 127.0

176 66.4 0.0 125.8

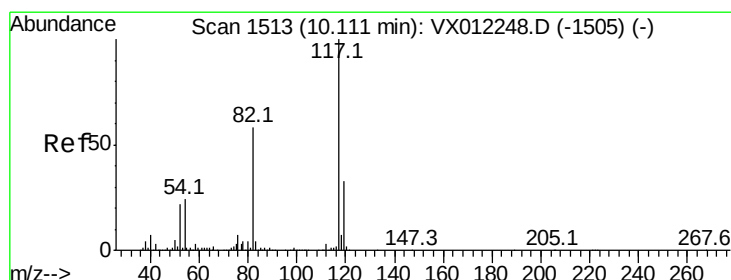
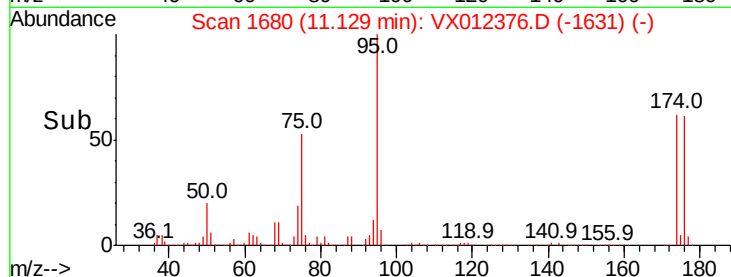


Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012376.D

Acq: 13 Sep 2019 10:18

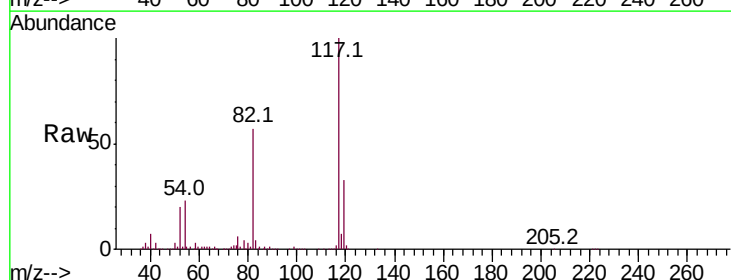
Tgt Ion: 117 Resp: 266002

Ion Ratio Lower Upper

117 100

82 56.9 46.4 69.6

119 32.6 26.6 39.8

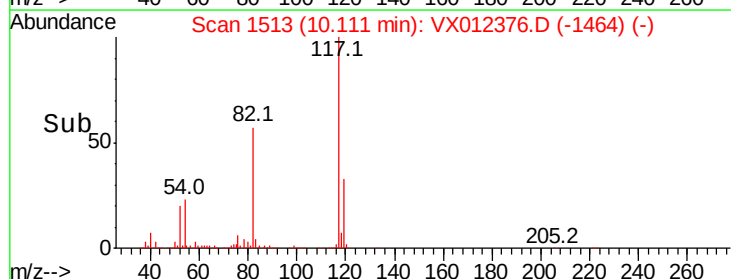


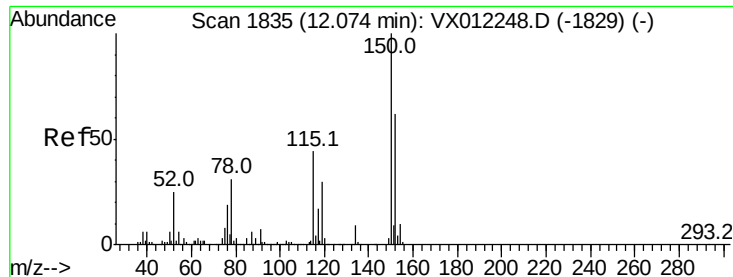
Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)

Time-->



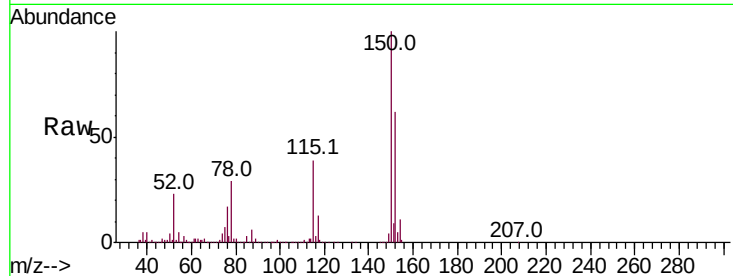


#72

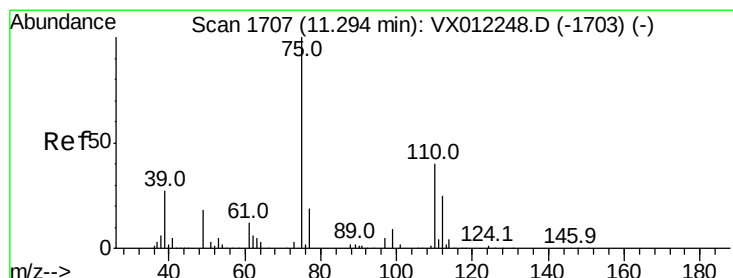
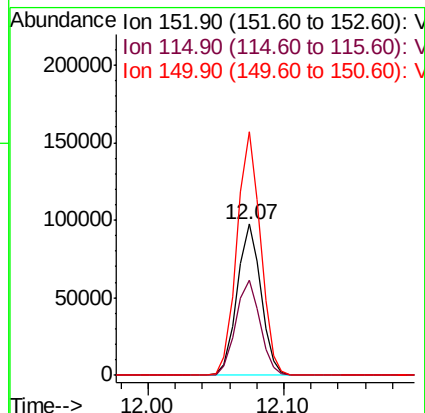
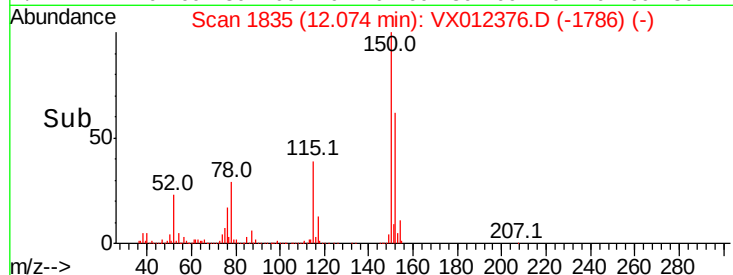
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012376.D
Acq: 13 Sep 2019 10:18

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.6	45.5	136.4
150	159.2	0.0	346.4



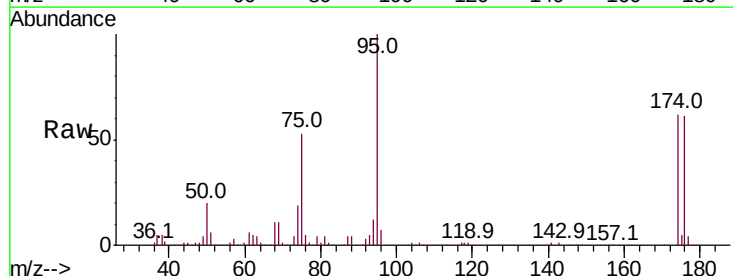
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



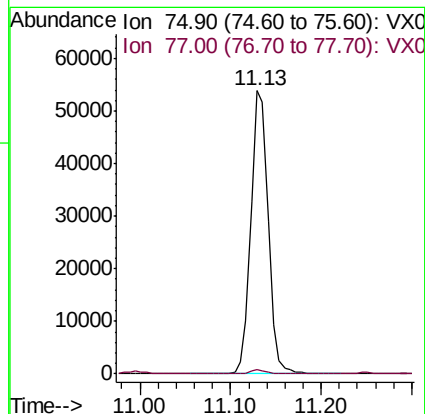
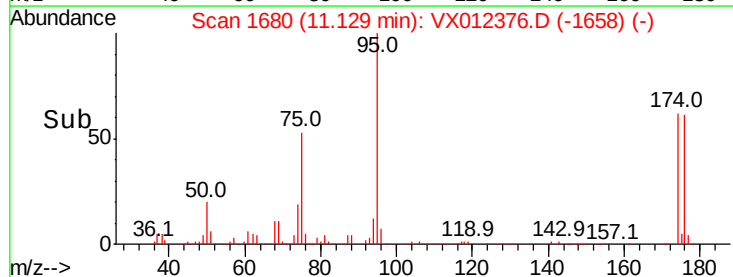
#76

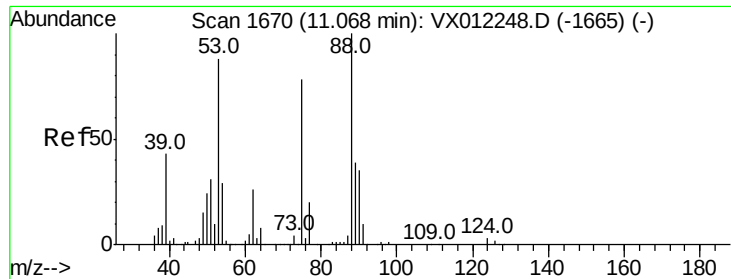
1,2,3-Trichloropropane
Concen: 46.759 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX012376.D
Acq: 13 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.7	59.0#



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: 140.100 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012376.D

Acq: 13 Sep 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

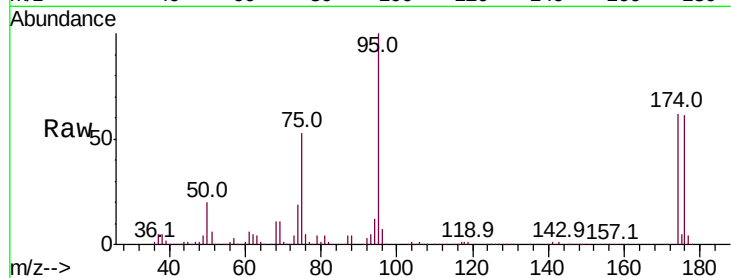
Tot Ion: 75 Resp: 71538

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#



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

