

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014032.D
 Acq On : 16 Dec 2019 14:04
 Operator : JC/SP
 Sample : K6252-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20191210

Quant Time: Dec 17 04:06:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	582522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	898629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	797149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	337307	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	326148	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	5.49	113	267926	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	8.71	98	1064669	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.14	95	348057	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	

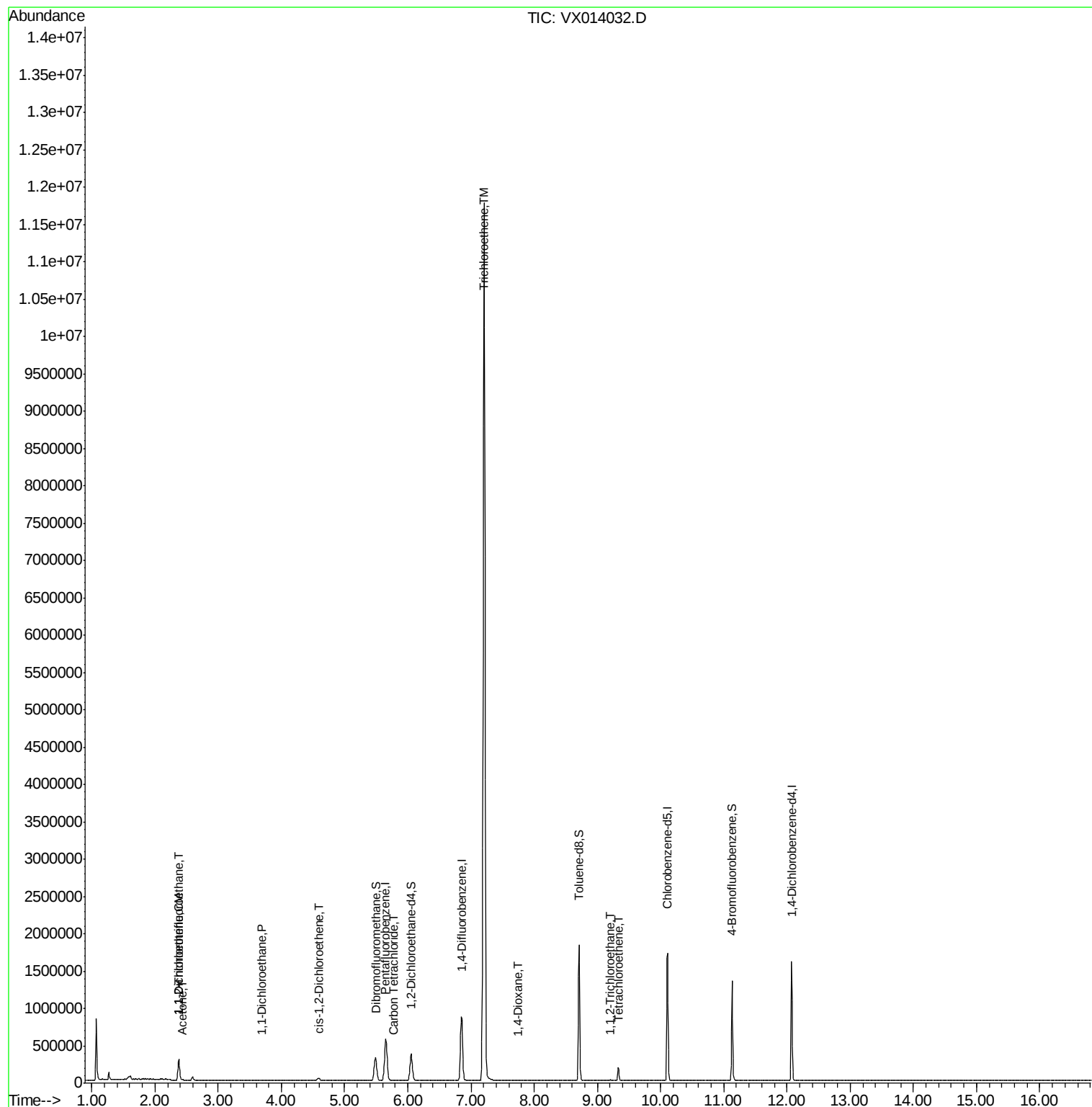
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	104922	19.053	ug/l	99
12) 1,1-Dichloroethene	2.37	96	14883	2.656	ug/l	95
16) Acetone	2.44	43	10908	2.545	ug/l #	89
24) 1,1-Dichloroethane	3.69	63	7678	0.692	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	22810	3.267	ug/l	88
38) Carbon Tetrachloride	5.77	117	5307	0.707	ug/l #	75
44) Trichloroethene	7.21	130	4595887	655.855	ug/l	100
49) 1,4-Dioxane	7.74	88	3301	21.983	ug/l #	85
55) 1,1,2-Trichloroethane	9.21	97	3379	0.526	ug/l #	82
64) Tetrachloroethene	9.33	164	36005	5.104	ug/l	93

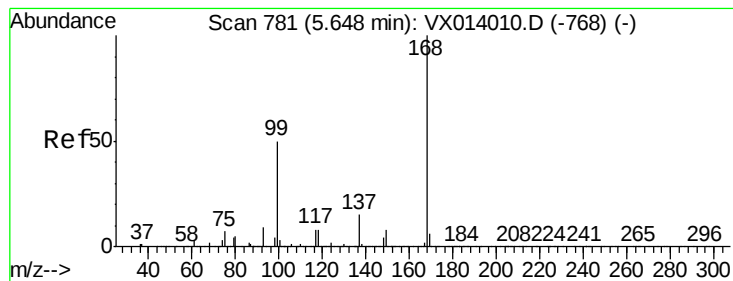
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014032.D

Acq: 16 Dec 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

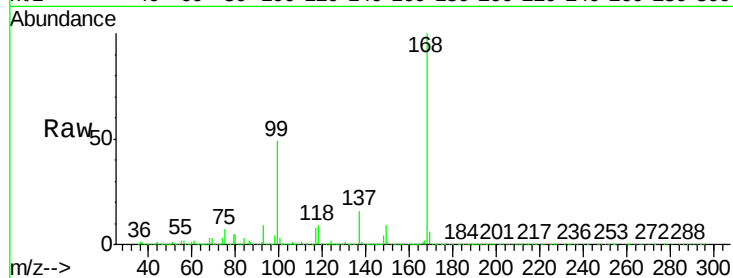
RE120D2-20191210

Tot Ion:168 Resp: 582522

Ion Ratio Lower Upper

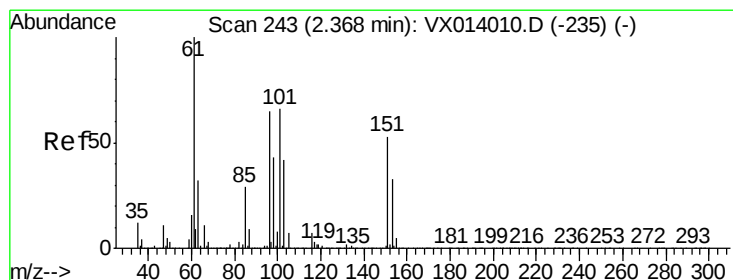
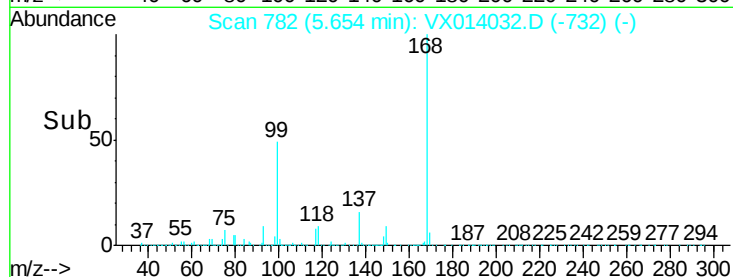
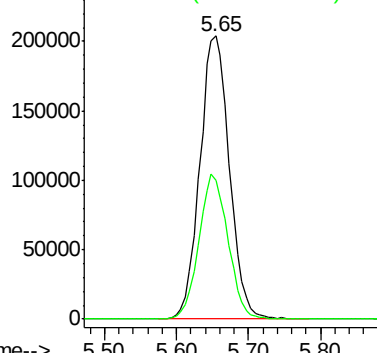
168 100

99 48.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.053 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014032.D

Acq: 16 Dec 2019 14:04

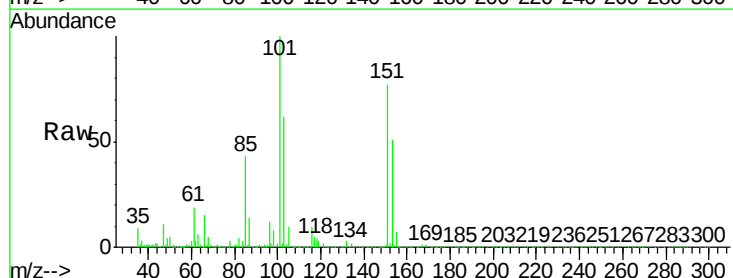
Tgt Ion:101 Resp: 104922

Ion Ratio Lower Upper

101 100

85 43.2 33.7 50.5

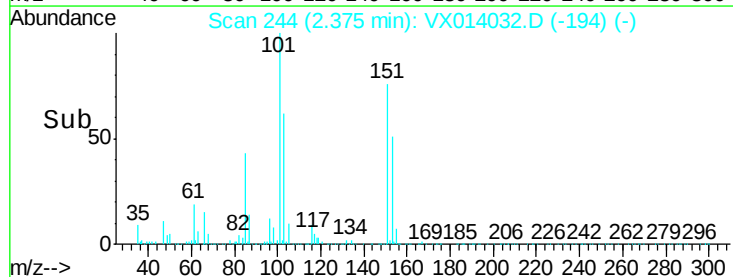
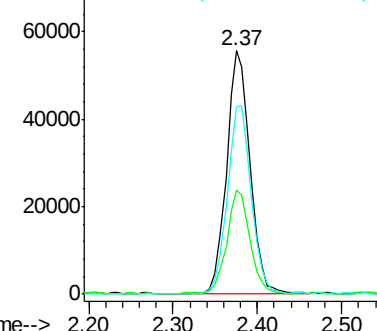
151 80.1 64.5 96.7

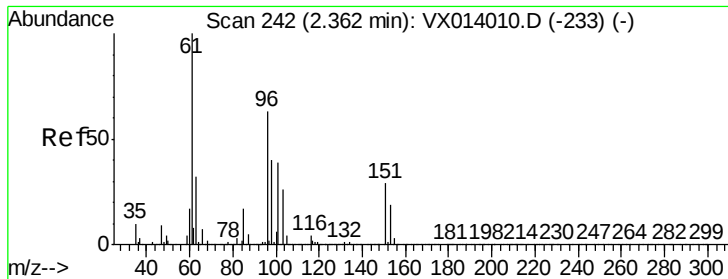


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 2.656 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014032.D

Acq: 16 Dec 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20191210

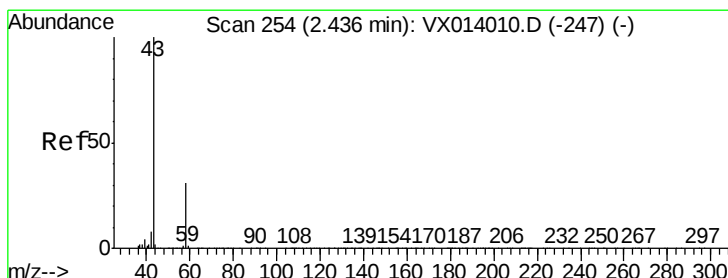
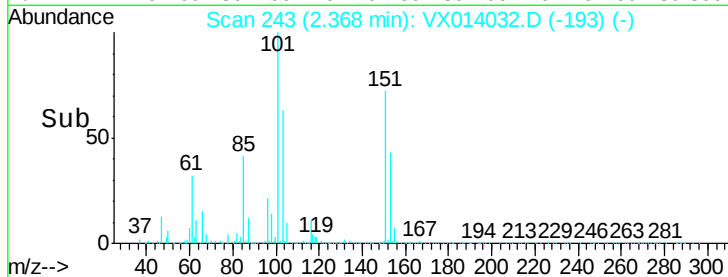
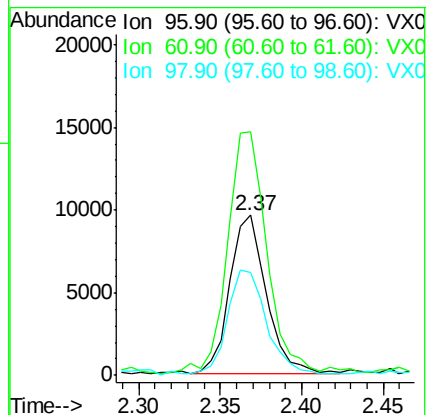
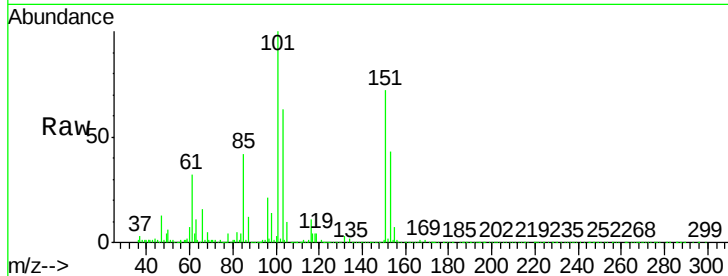
Tot Ion: 96 Resp: 14883

Ion Ratio Lower Upper

96 100

61 150.4 127.9 191.9

98 63.9 50.5 75.7



#16

Acetone

Concen: 2.545 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014032.D

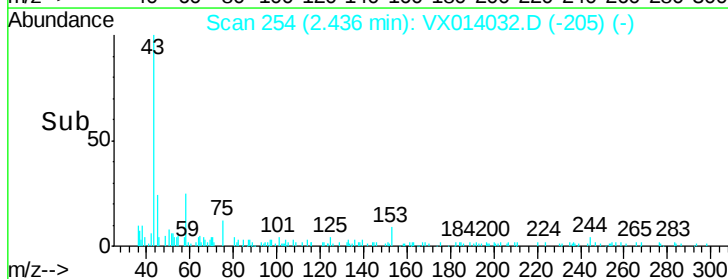
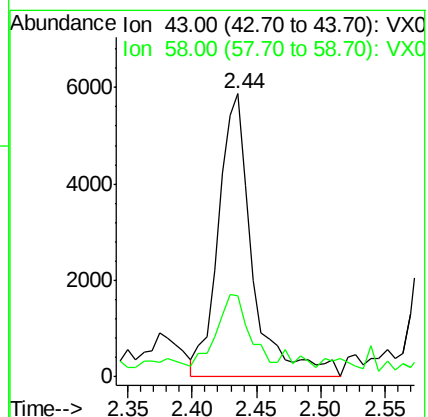
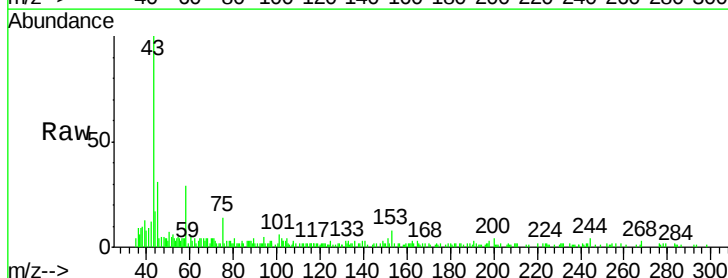
Acq: 16 Dec 2019 14:04

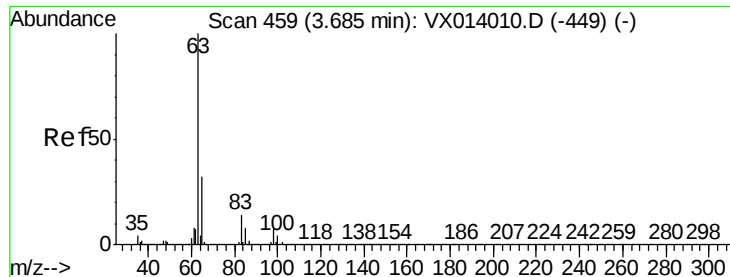
Tgt Ion: 43 Resp: 10908

Ion Ratio Lower Upper

43 100

58 24.9 24.9 37.3#





#24

1,1-Dichloroethane

Concen: 0.692 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014032.D

Acq: 16 Dec 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20191210

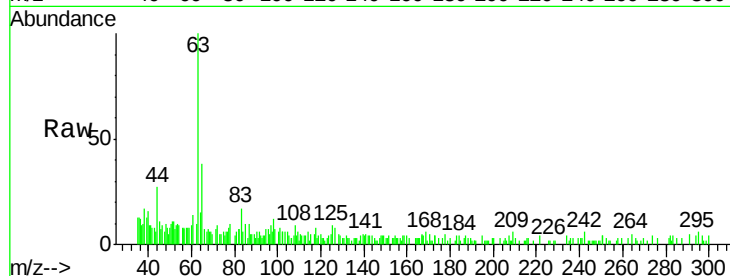
Tot Ion: 63 Resp: 7678

Ion Ratio Lower Upper

63 100

98 5.8 3.6 10.8

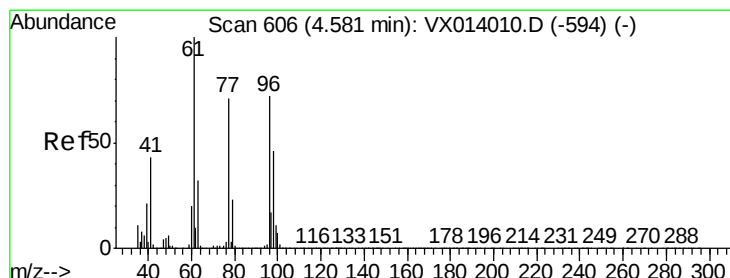
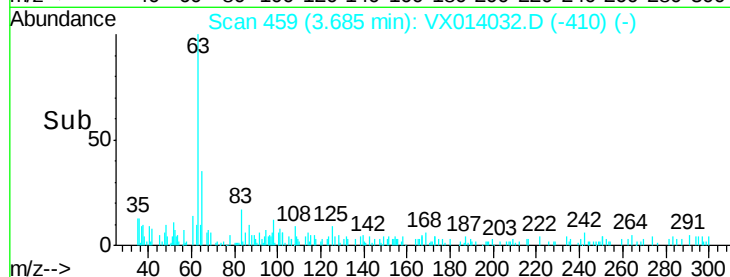
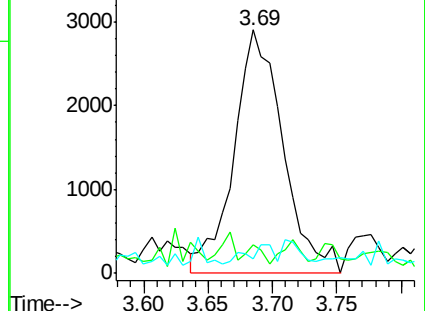
100 5.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 3.267 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX014032.D

Acq: 16 Dec 2019 14:04

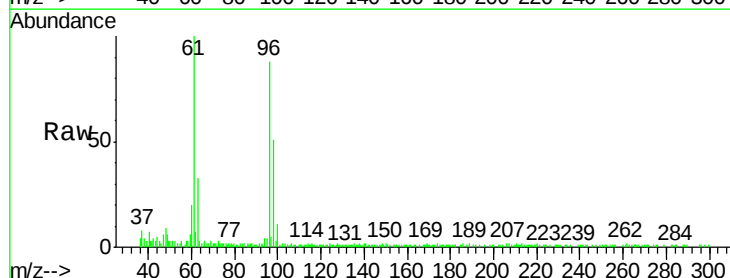
Tgt Ion: 96 Resp: 22810

Ion Ratio Lower Upper

96 100

61 125.3 0.0 288.4

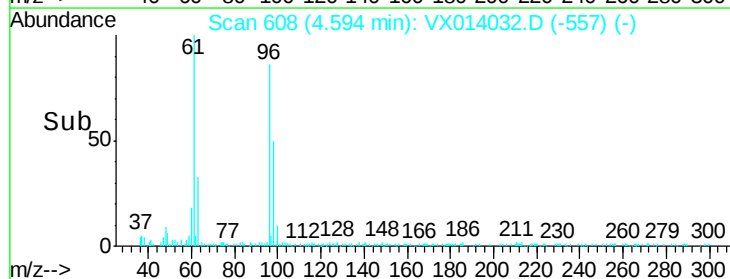
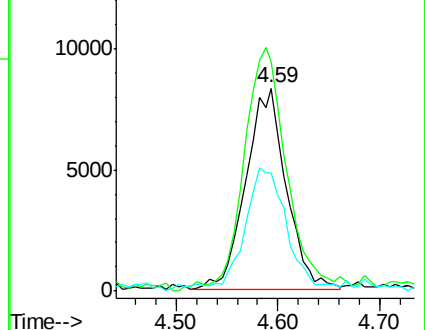
98 60.3 0.0 129.6

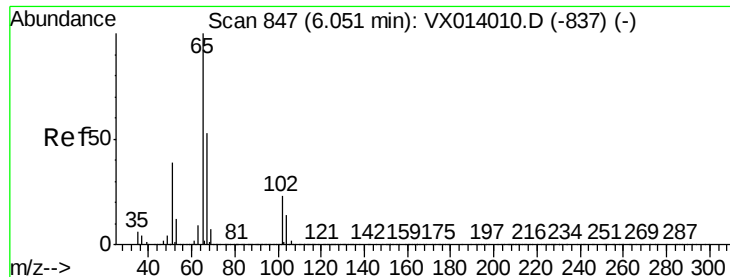


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.401 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014032.D

Acq: 16 Dec 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

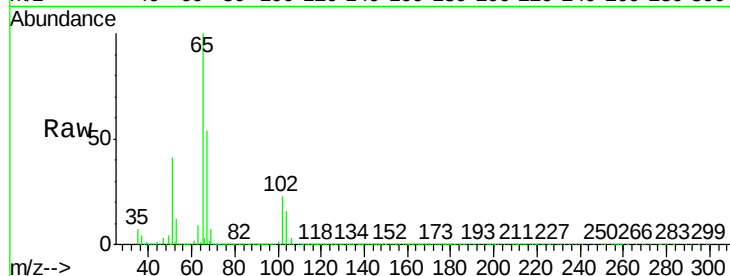
RE120D2-20191210

Tot Ion: 65 Resp: 326148

Ion Ratio Lower Upper

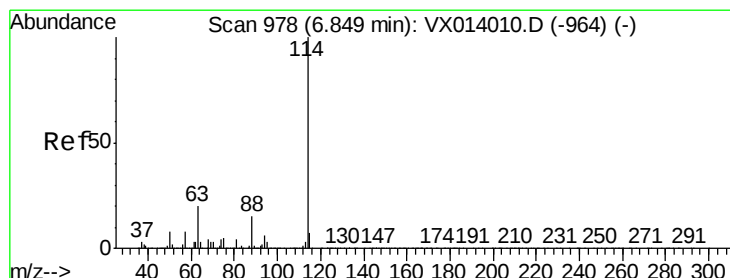
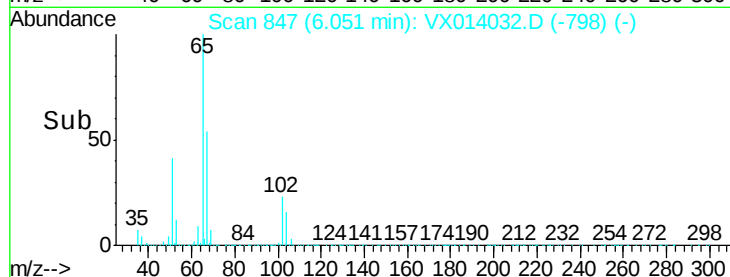
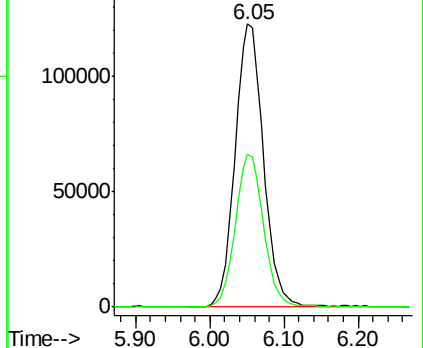
65 100

67 53.4 0.0 106.4



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: VX014032.D

Acq: 16 Dec 2019 14:04

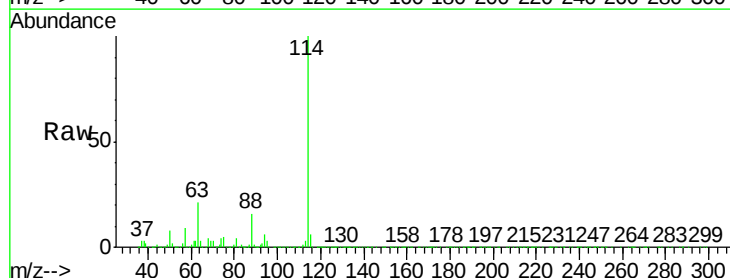
Tgt Ion: 114 Resp: 898629

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

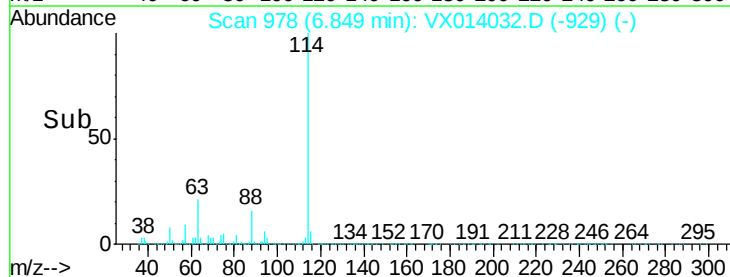
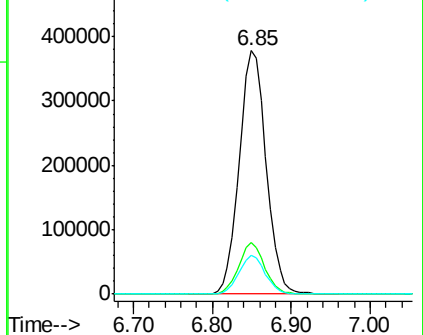
88 15.8 0.0 30.4

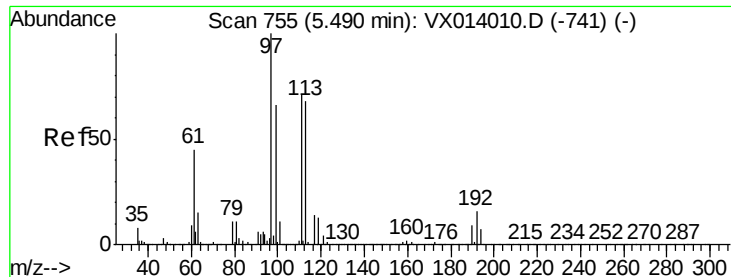


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

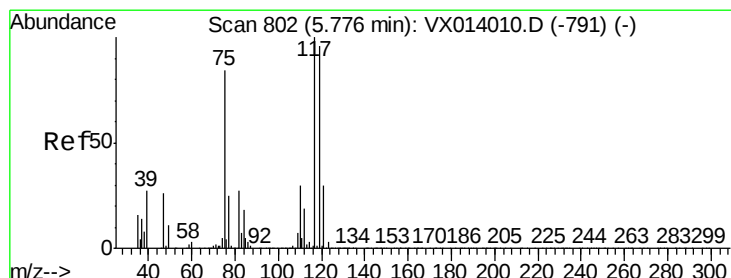
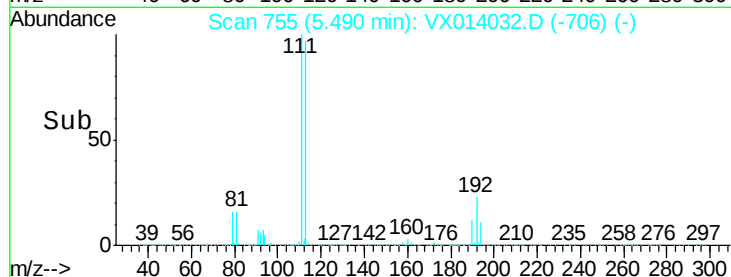
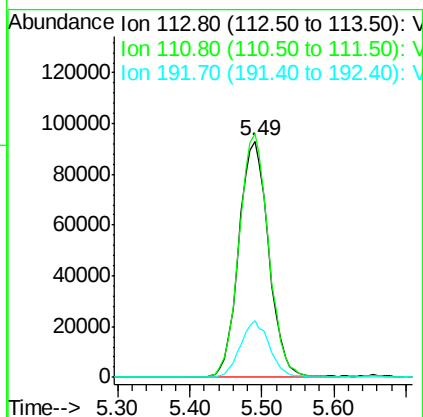
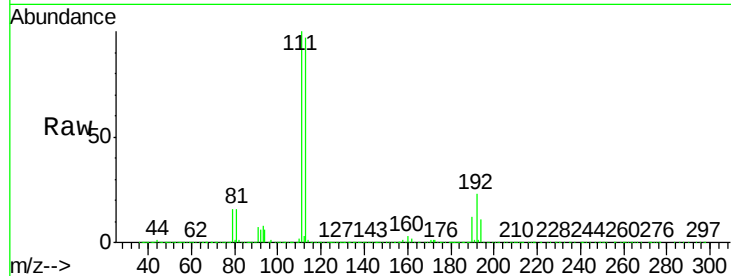




#35
Dibromofluoromethane
Concen: 49.047 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014032.D
Acq: 16 Dec 2019 14:04

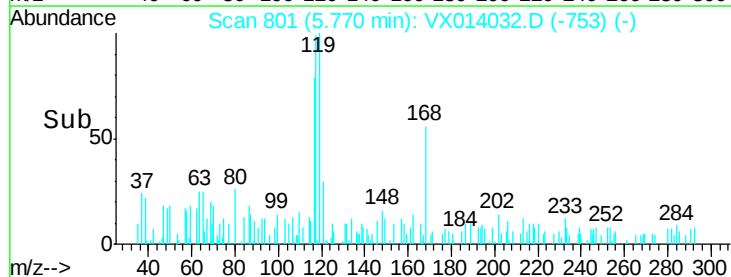
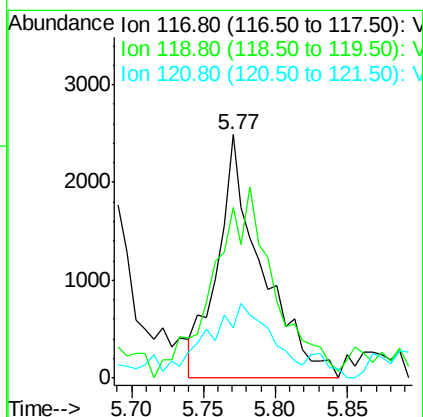
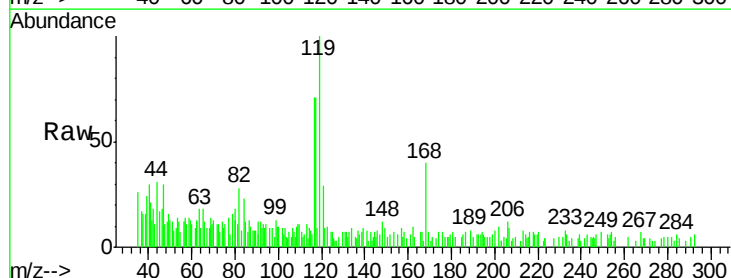
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20191210

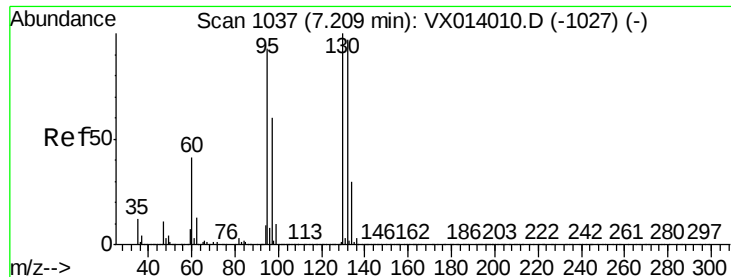
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	23.8	19.3	28.9



#38
Carbon Tetrachloride
Concen: 0.707 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014032.D
Acq: 16 Dec 2019 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	70.4	76.2	114.4#
121	17.3	23.6	35.4#





#44

Trichloroethene

Concen: 655.855 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014032.D

Acq: 16 Dec 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

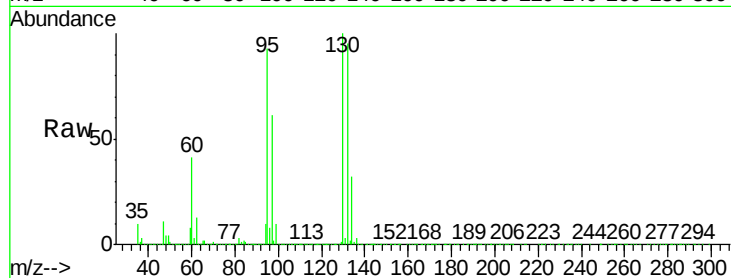
RE120D2-20191210

Tot Ion:130 Resp: 4595887

Ion Ratio Lower Upper

130 100

95 92.6 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

2500000

2000000

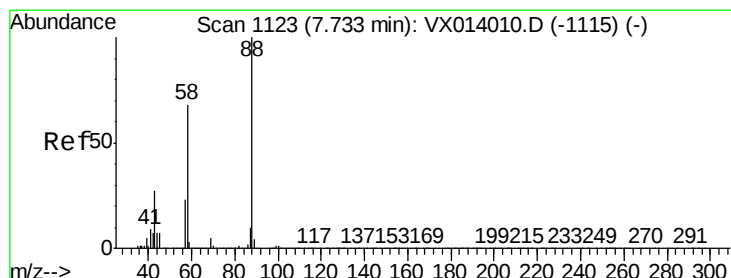
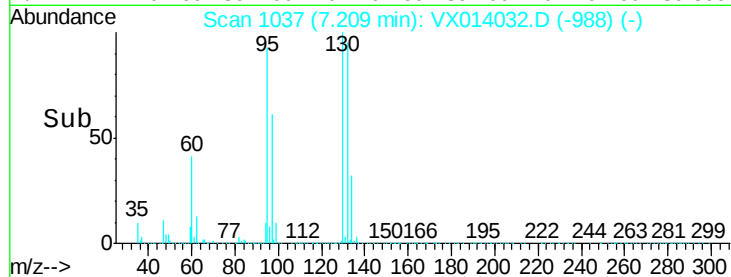
1500000

1000000

500000

0

Time-->



#49

1,4-Dioxane

Concen: 21.983 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014032.D

Acq: 16 Dec 2019 14:04

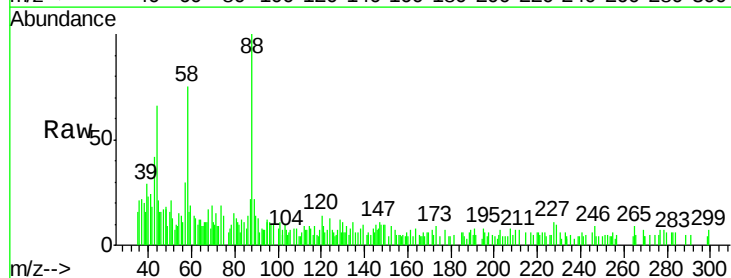
Tgt Ion: 88 Resp: 3301

Ion Ratio Lower Upper

88 100

43 38.7 26.5 39.7

58 56.2 56.8 85.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

7.74

2000

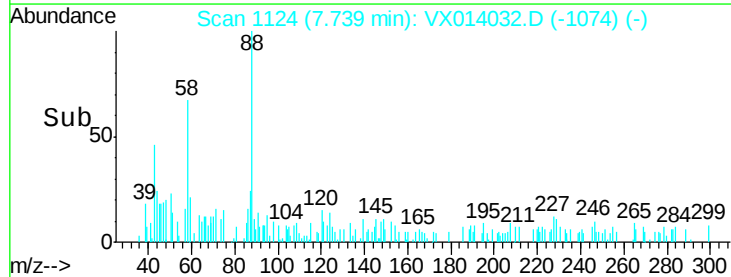
1500

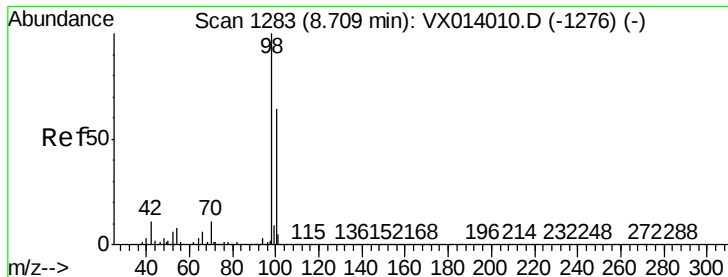
1000

500

0

Time-->





#50

Toluene-d8

Concen: 50.061 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014032.D

Acq: 16 Dec 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

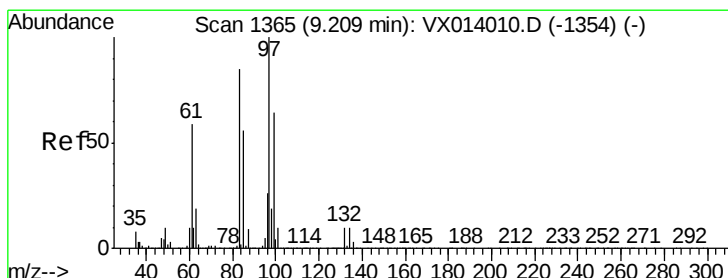
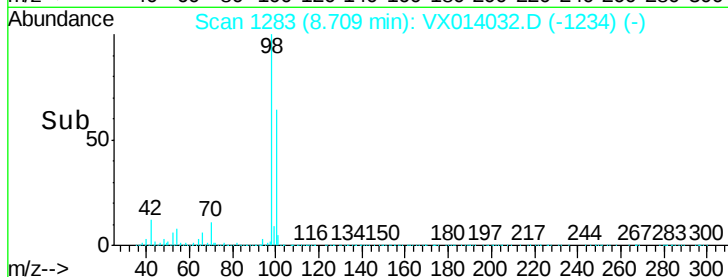
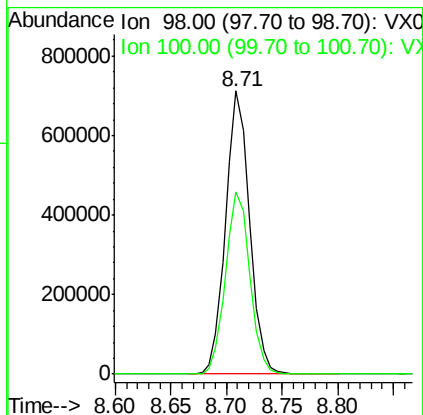
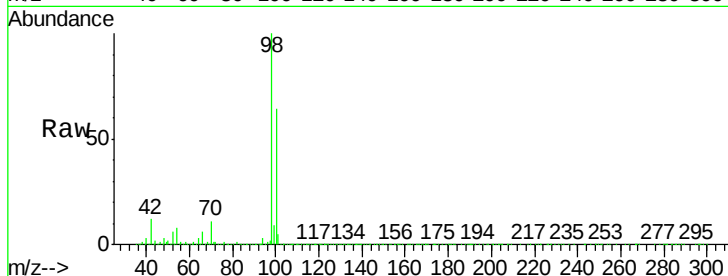
RE120D2-20191210

Tot Ion: 98 Resp: 1064669

Ion Ratio Lower Upper

98 100

100 65.3 52.9 79.3



#55

1,1,2-Trichloroethane

Concen: 0.526 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014032.D

Acq: 16 Dec 2019 14:04

Tgt Ion: 97 Resp: 3379

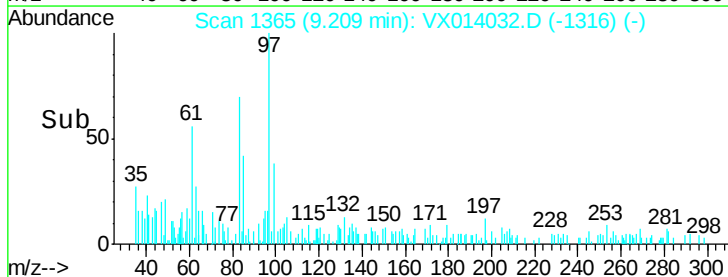
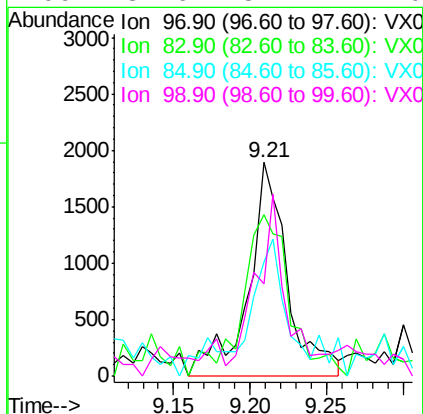
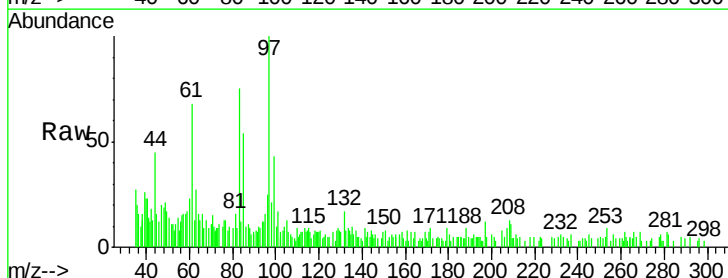
Ion Ratio Lower Upper

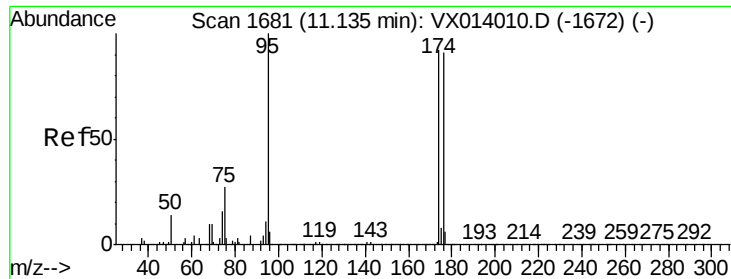
97 100

83 81.5 68.2 102.4

85 40.8 44.6 66.8#

99 37.6 51.4 77.0#

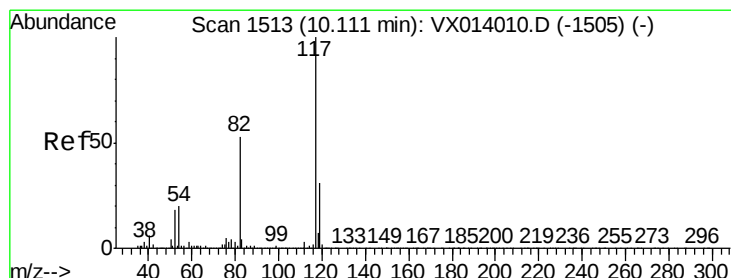
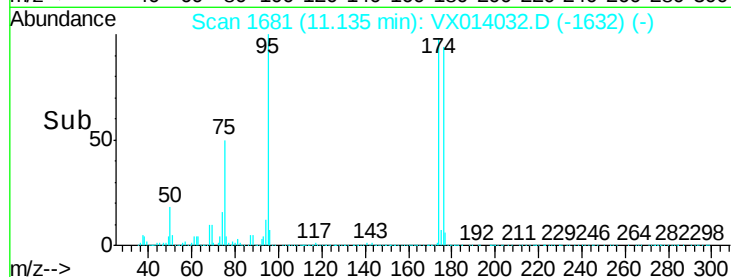
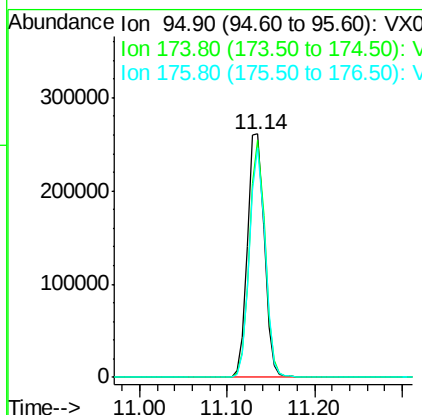
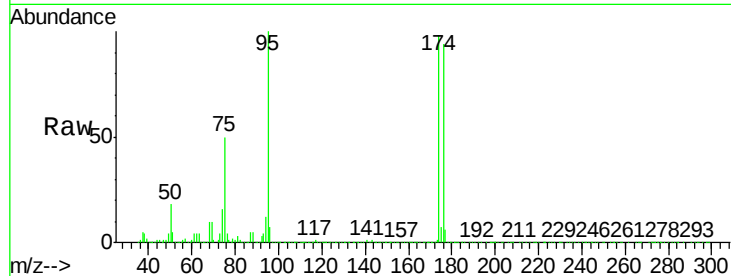




#62
4-Bromofluorobenzene
Concen: 44.771 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014032.D
Acq: 16 Dec 2019 14:04

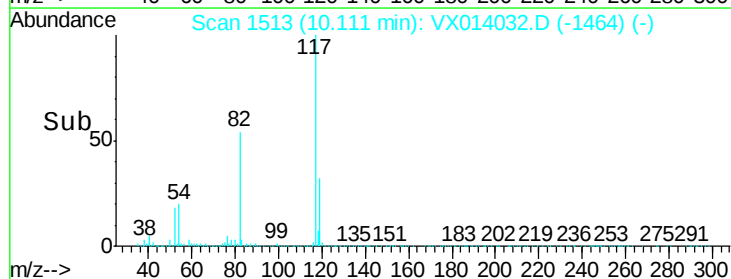
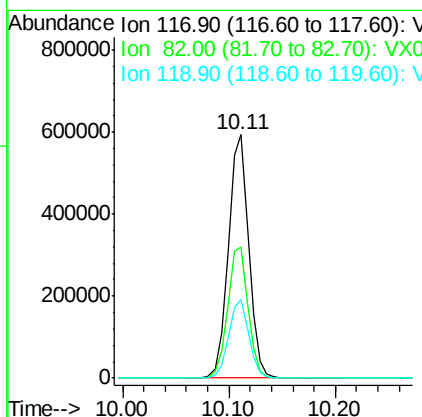
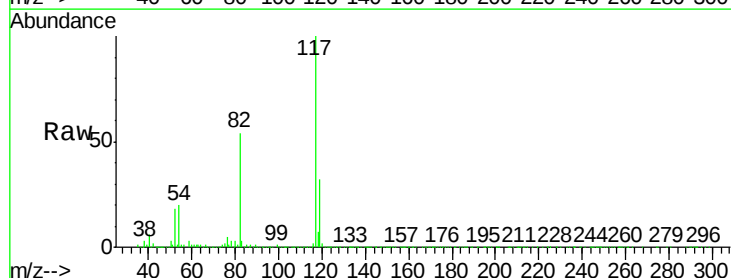
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20191210

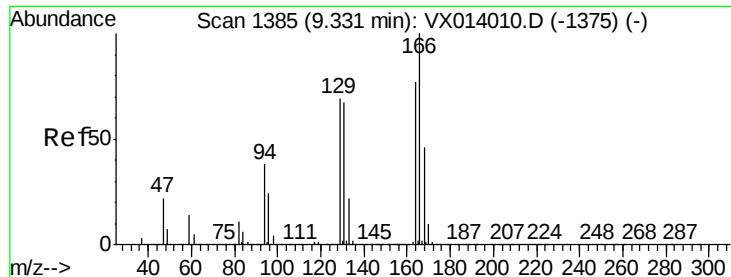
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	175.8
176	87.4	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014032.D
Acq: 16 Dec 2019 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.2	63.4
119	32.0	25.1	37.7

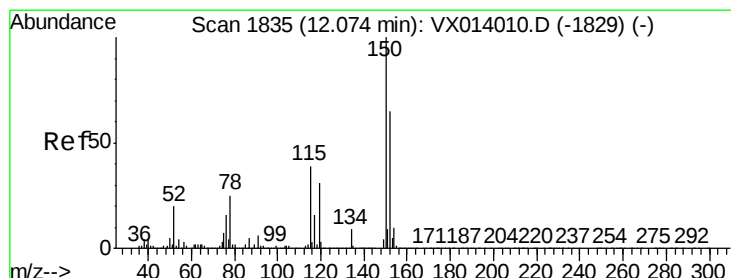
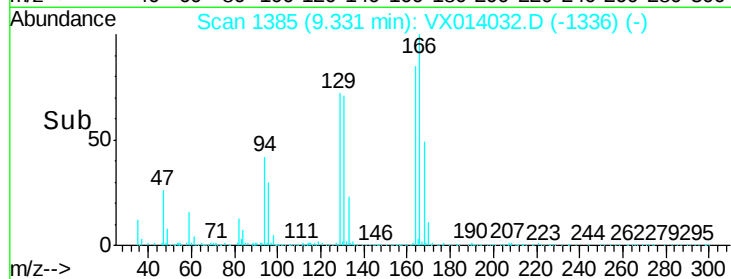
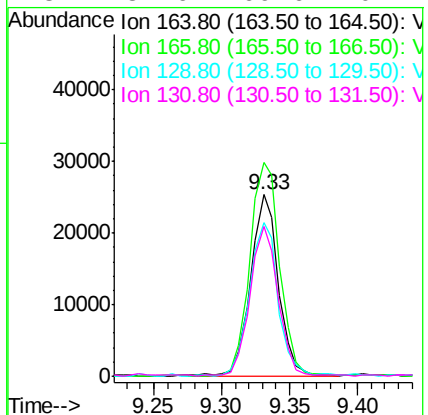
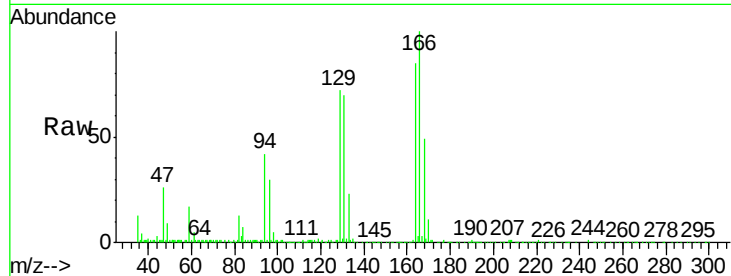




#64
Tetrachloroethene
Concen: 5.104 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014032.D
Acq: 16 Dec 2019 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20191210

Tot Ion	Ratio	Lower	Upper
164	100		
166	117.9	104.0	156.0
129	84.8	72.2	108.4
131	82.6	69.6	104.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014032.D
Acq: 16 Dec 2019 14:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	38.3	114.9
150	156.9	0.0	345.4

