

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013626.D
 Acq On : 27 Nov 2019 02:42
 Operator : JC/SP
 Sample : K5962-11DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20191120

Quant Time: Nov 27 03:48:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	657424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1054583	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	938216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	428363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	377967	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	5.49	113	316502	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.71	98	1245697	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.14	95	424231	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	

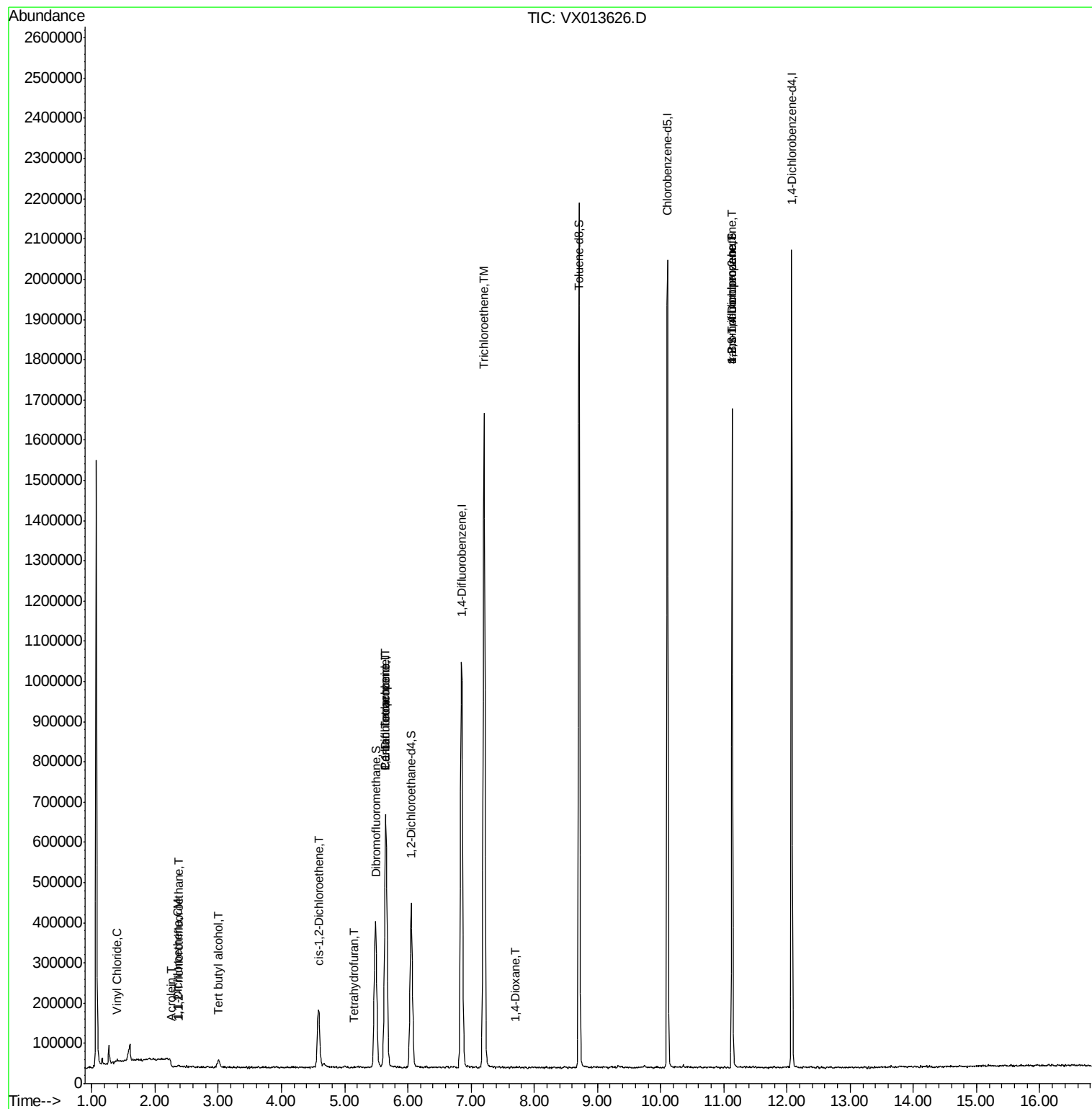
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3714	0.402	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1749	0.279	ug/l	98
11) Tert butyl alcohol	3.01	59	14207	7.542	ug/l #	79
12) 1,1-Dichloroethene	2.37	96	1256	0.201	ug/l #	49
13) Acrolein	2.26	56	660	6.515	ug/l	85
27) cis-1,2-Dichloroethene	4.58	96	96835	12.372	ug/l	89
29) Tetrahydrofuran	5.14	42	1149	0.333	ug/l #	87
36) 1,1-Dichloropropene	5.65	75	43358	4.529	ug/l #	50
38) Carbon Tetrachloride	5.65	117	56952	6.452	ug/l #	15
44) Trichloroethene	7.21	130	665696	83.193	ug/l	95
49) 1,4-Dioxane	7.70	88	333	1.732	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	206030	21.384	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	206030	58.504	ug/l #	11

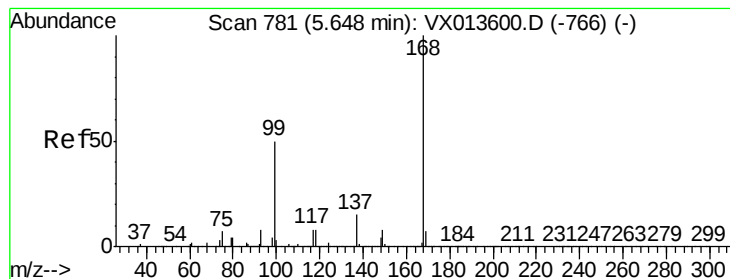
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 26 15:53:00 2019
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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: VX013626.D

Acq: 27 Nov 2019 02:42

Instrument :

MSVOA_X

ClientSampleId :

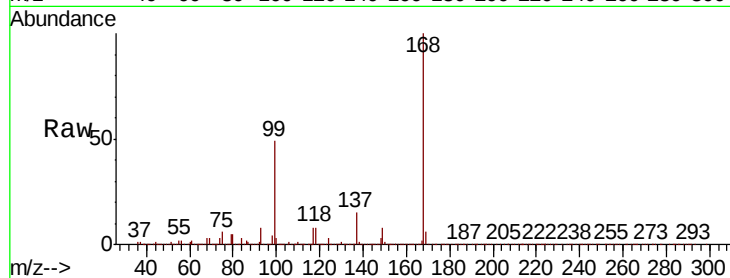
56BR-20191120

Tot Ion:168 Resp: 657424

Ion Ratio Lower Upper

168 100

99 49.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

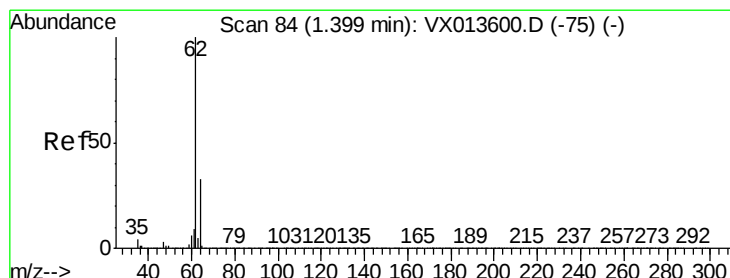
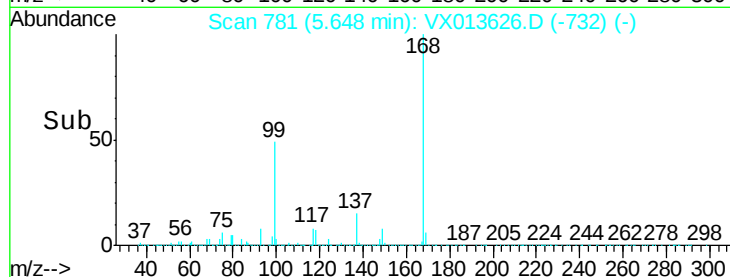
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.402 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013626.D

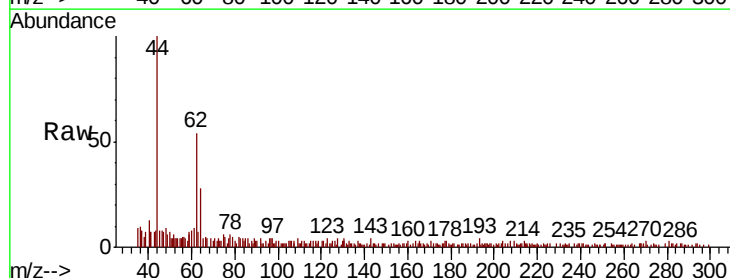
Acq: 27 Nov 2019 02:42

Tgt Ion: 62 Resp: 3714

Ion Ratio Lower Upper

62 100

64 36.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

4000

3000

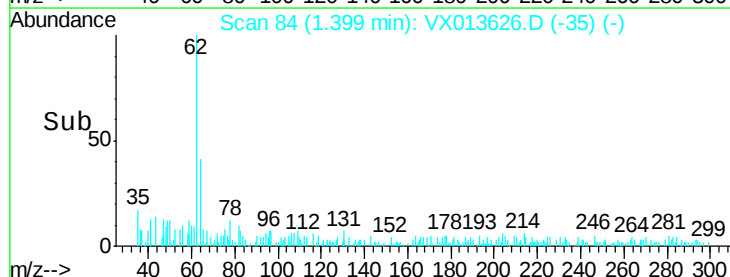
2000

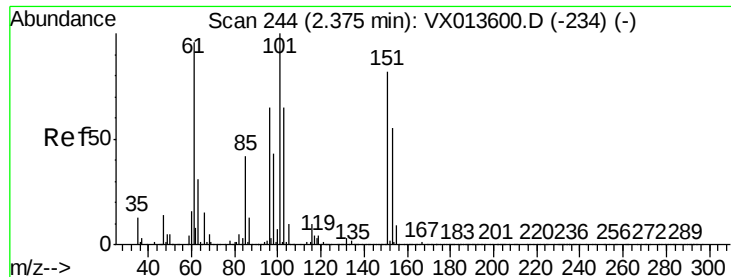
1000

0

Time-->

1.35 1.40





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.279 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013626.D

Acq: 27 Nov 2019 02:42

Instrument :

MSVOA_X

ClientSampleId :

56BR-20191120

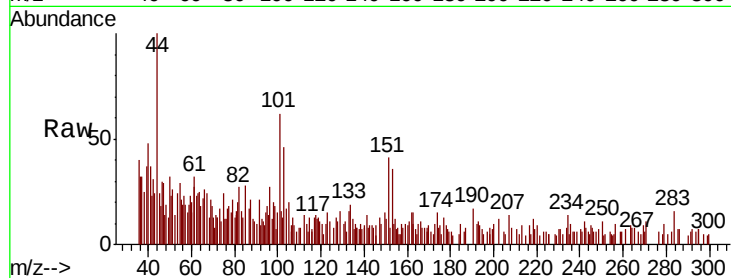
Tot Ion:101 Resp: 1749

Ion Ratio Lower Upper

101 100

85 44.9 33.9 50.9

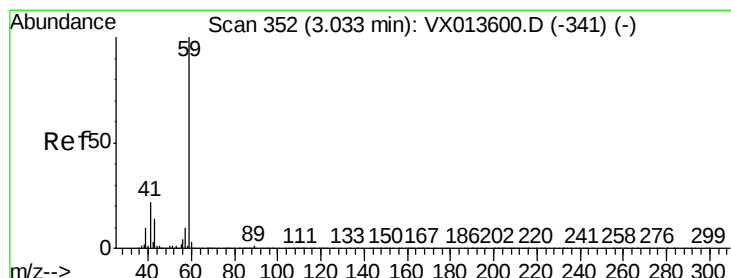
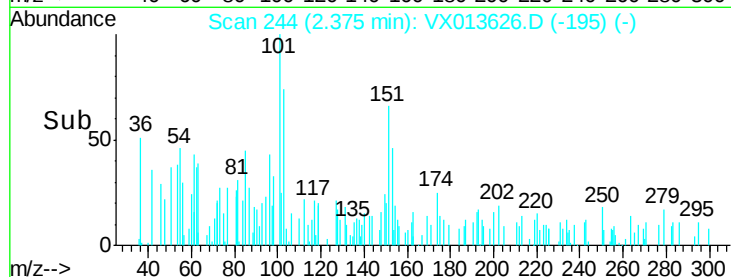
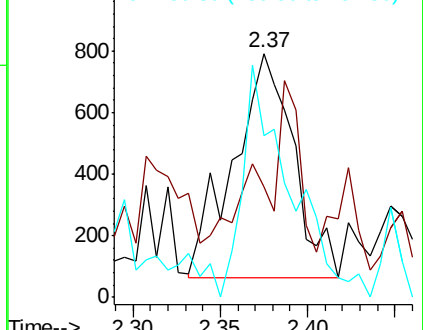
151 81.0 64.2 96.2



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



#11

Tert butyl alcohol

Concen: 7.542 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013626.D

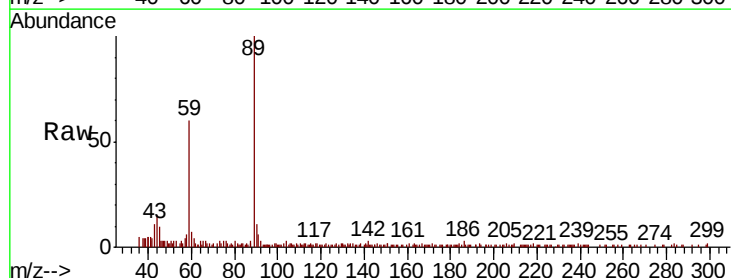
Acq: 27 Nov 2019 02:42

Tgt Ion: 59 Resp: 14207

Ion Ratio Lower Upper

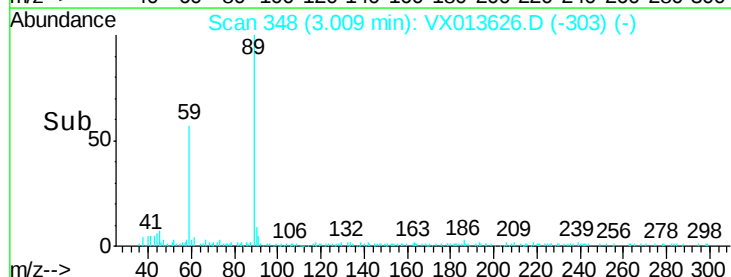
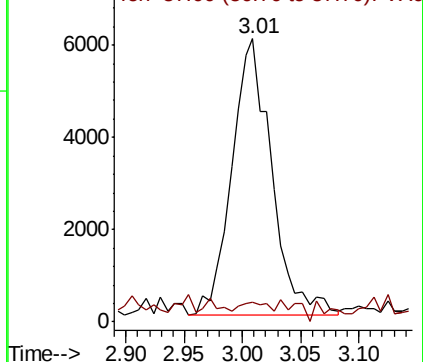
59 100

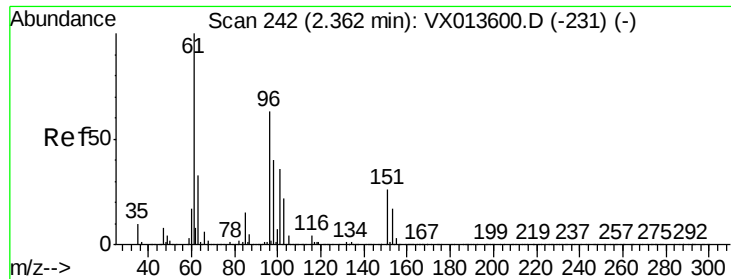
57 1.9 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.201 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013626.D

Acq: 27 Nov 2019 02:42

Instrument :

MSVOA_X

ClientSampleId :

56BR-20191120

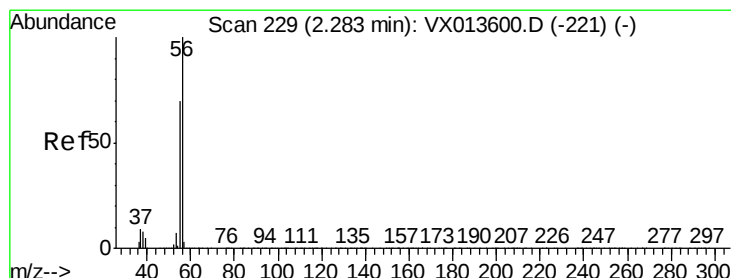
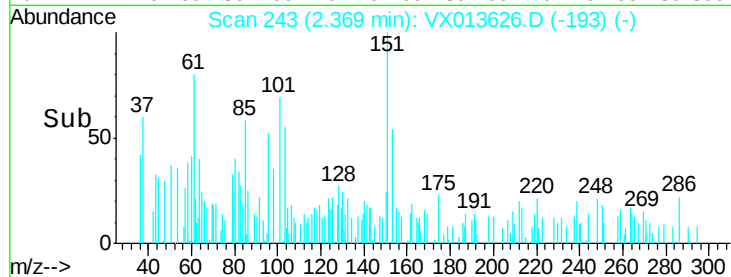
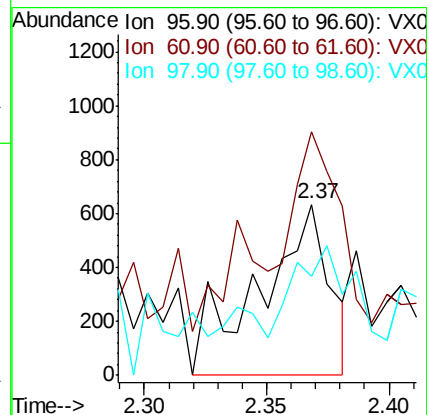
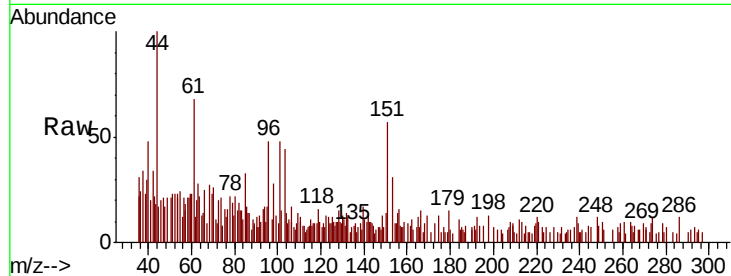
Tot Ion: 96 Resp: 1256

Ion Ratio Lower Upper

96 100

61 92.6 126.6 190.0#

98 21.0 50.6 76.0#



#13

Acrolein

Concen: 6.515 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX013626.D

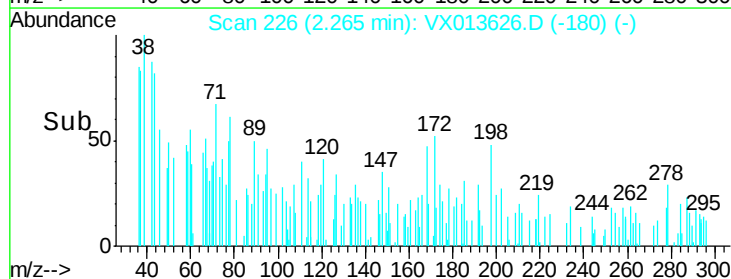
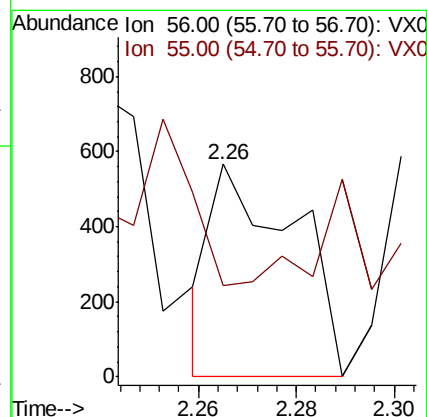
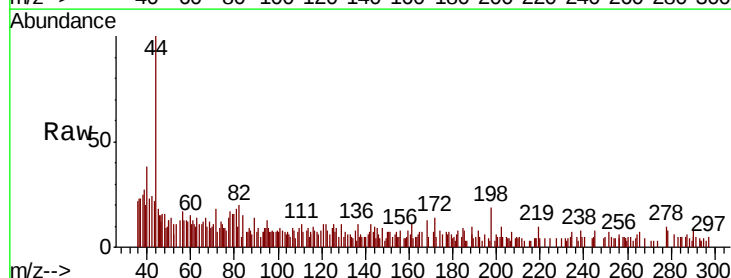
Acq: 27 Nov 2019 02:42

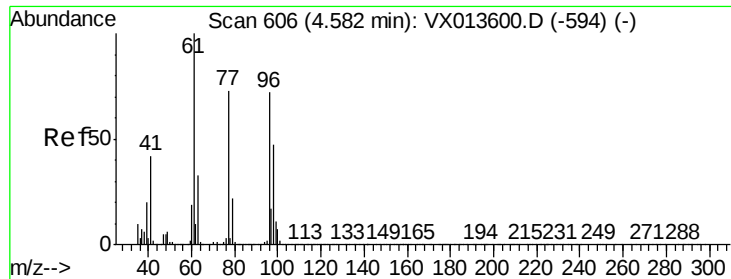
Tgt Ion: 56 Resp: 660

Ion Ratio Lower Upper

56 100

55 58.2 56.2 84.4



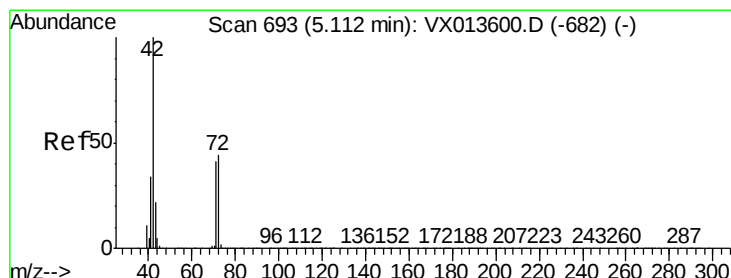
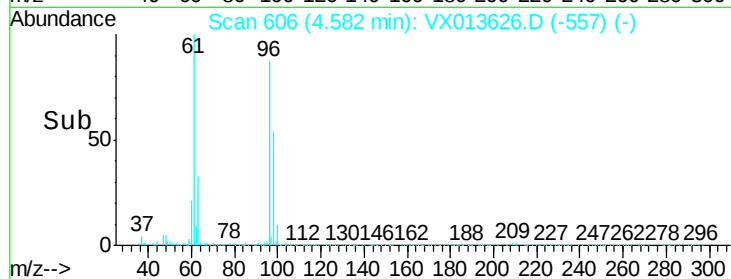
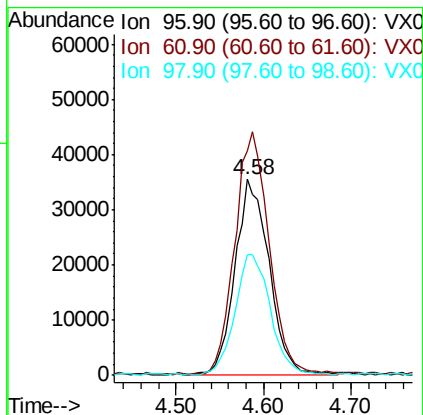
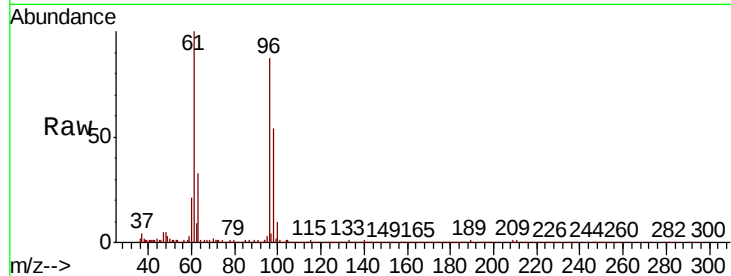


#27

cis-1,2-Dichloroethene
Concen: 12.372 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013626.D
Acq: 27 Nov 2019 02:42

Instrument :
MSVOA_X
ClientSampleId :
56BR-20191120

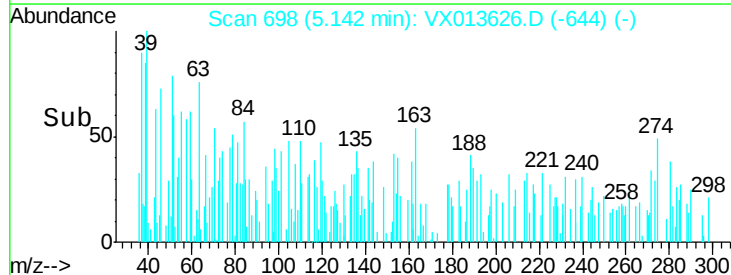
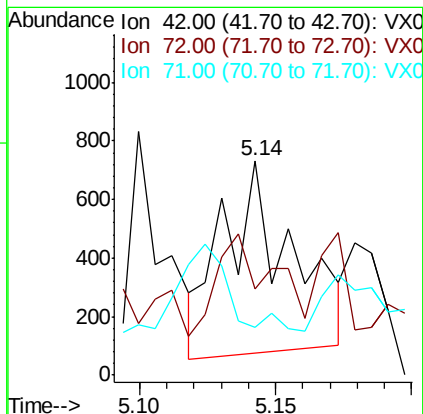
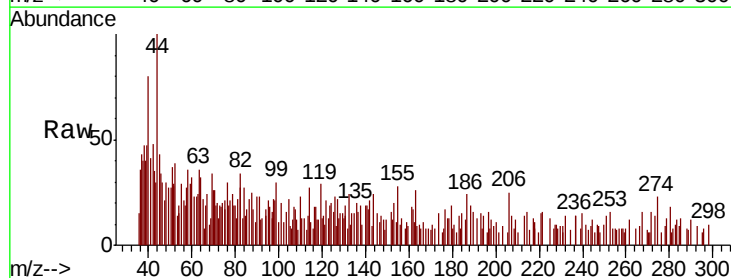
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.2	0.0	286.4
98	63.7	0.0	127.4

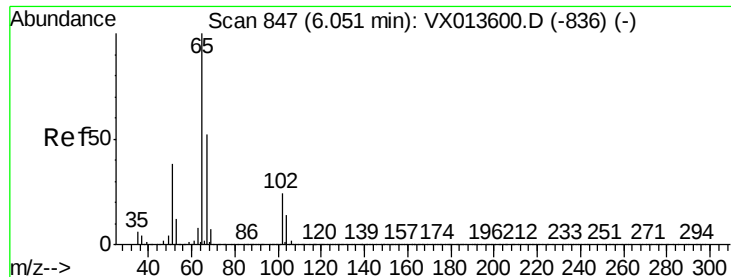


#29

Tetrahydrofuran
Concen: 0.333 ug/l
RT: 5.14 min Scan# 698
Delta R.T. 0.03 min
Lab File: VX013626.D
Acq: 27 Nov 2019 02:42

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.3	54.5
71	57.6	33.2	49.8#





#33

1,2-Dichloroethane-d4

Concen: 49.529 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013626.D

Acq: 27 Nov 2019 02:42

Instrument :

MSVOA_X

ClientSampleId :

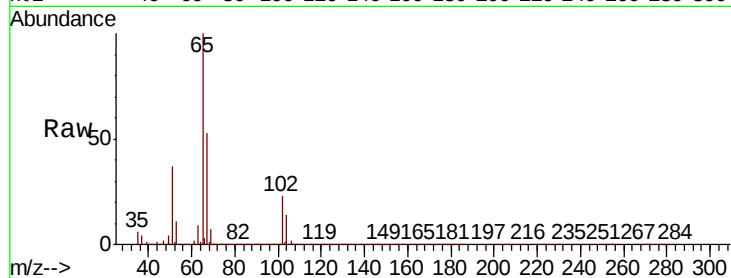
56BR-20191120

Tot Ion: 65 Resp: 377967

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

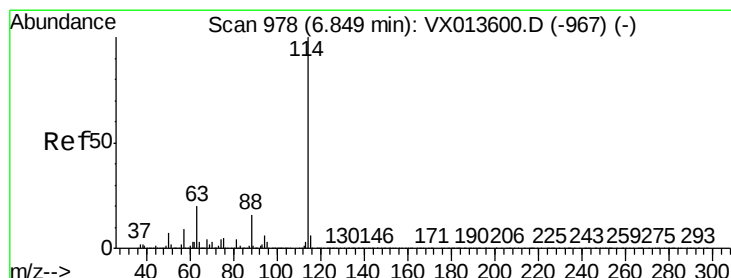
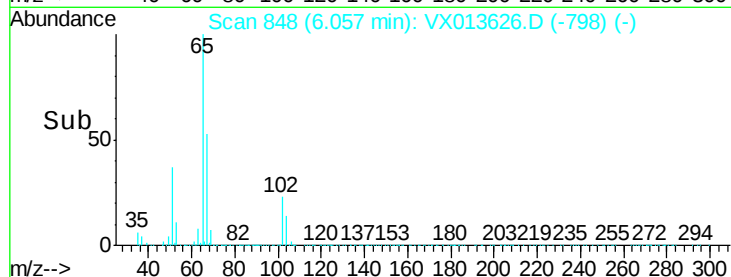
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013626.D

Acq: 27 Nov 2019 02:42

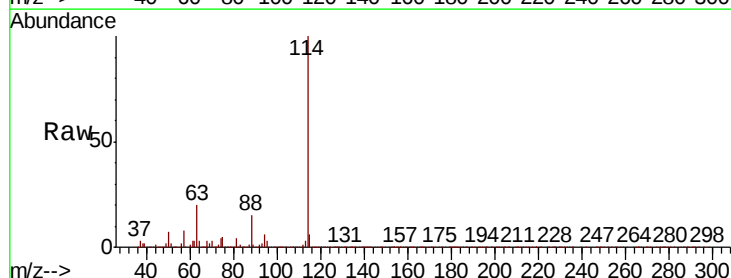
Tgt Ion: 114 Resp: 1054583

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.1 0.0 31.4



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

6.85

600000

500000

400000

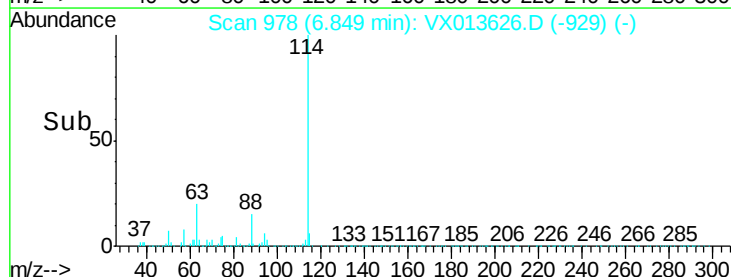
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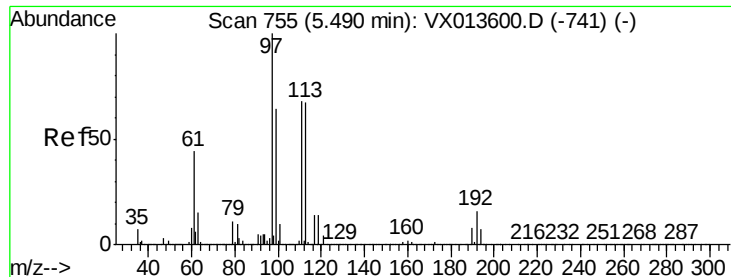
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.547 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013626.D

Acq: 27 Nov 2019 02:42

Instrument :

MSVOA_X

ClientSampleId :

56BR-20191120

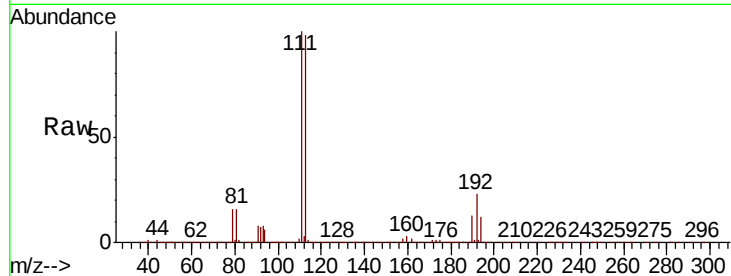
Tot Ion:113 Resp: 316502

Ion Ratio Lower Upper

113 100

111 101.1 83.6 125.4

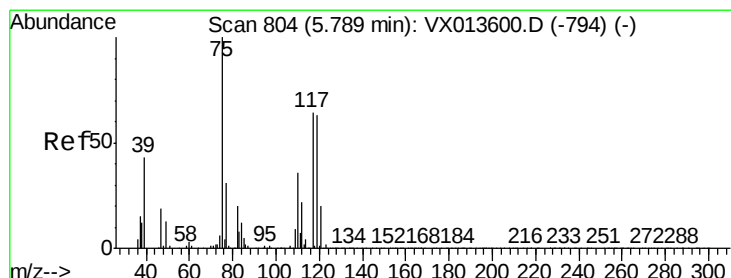
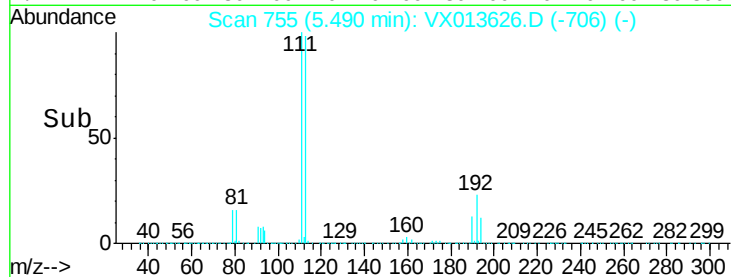
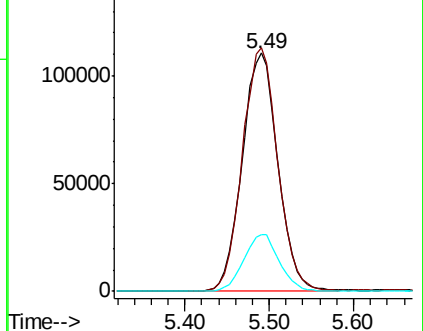
192 23.8 19.2 28.8



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: 4.529 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013626.D

Acq: 27 Nov 2019 02:42

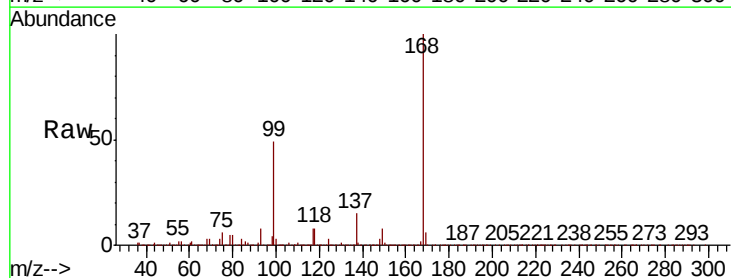
Tgt Ion: 75 Resp: 43358

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

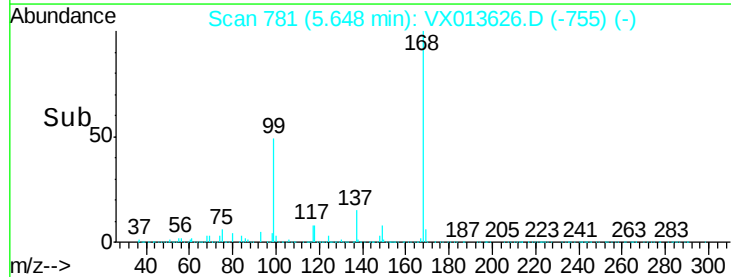
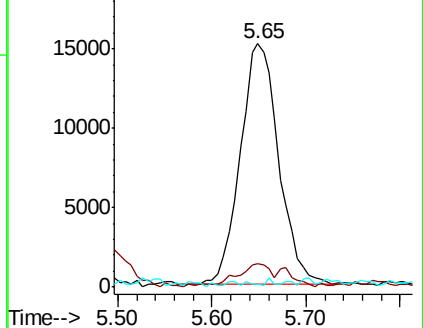
77 0.4 24.5 36.7#

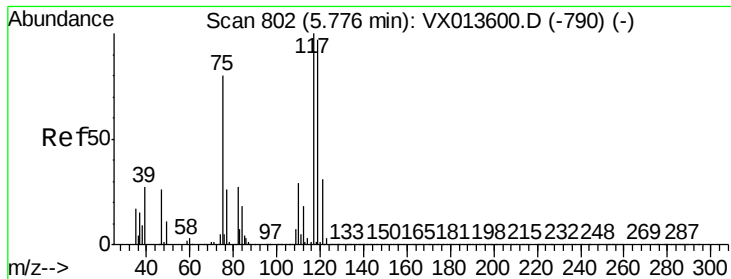


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.452 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013626.D

Acq: 27 Nov 2019 02:42

Instrument :

MSVOA_X

ClientSampleId :

56BR-20191120

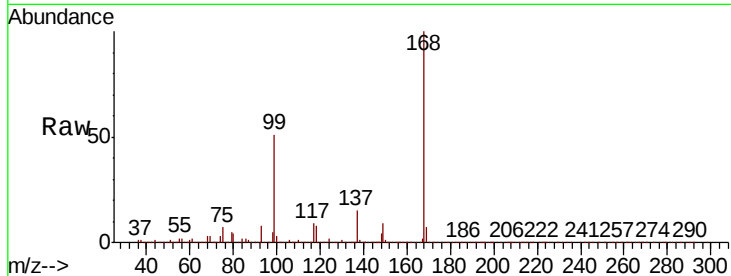
Tot Ion:117 Resp: 56952

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

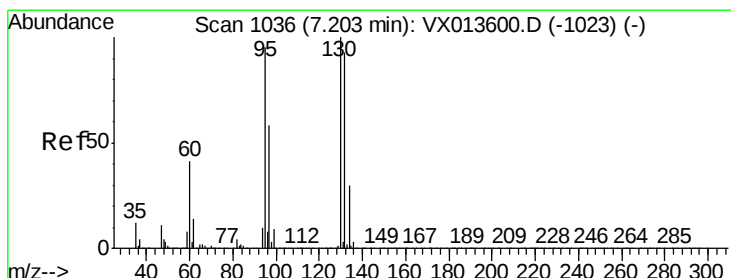
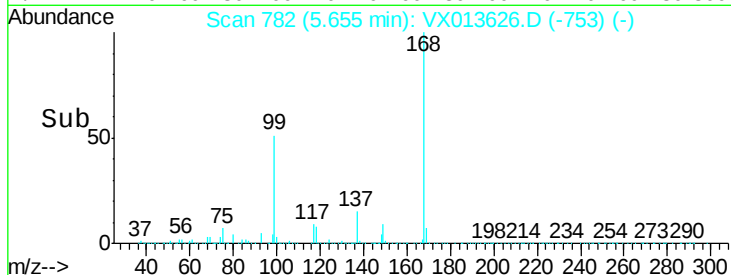
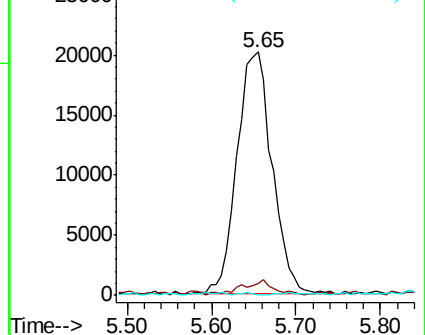
121 0.0 25.0 37.6#



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



#44

Trichloroethene

Concen: 83.193 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013626.D

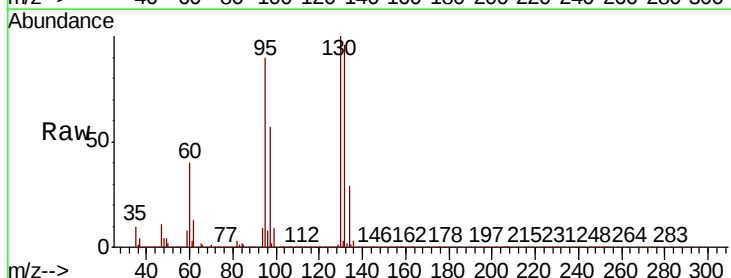
Acq: 27 Nov 2019 02:42

Tgt Ion:130 Resp: 665696

Ion Ratio Lower Upper

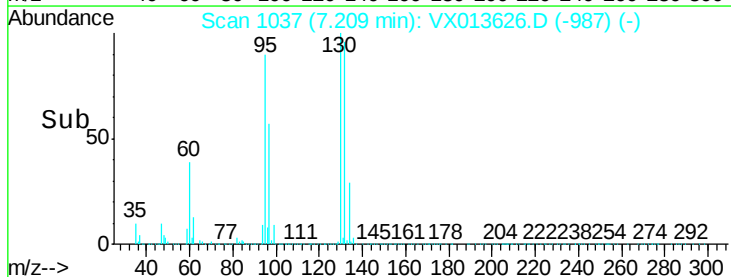
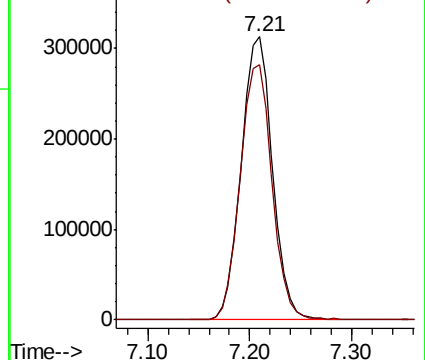
130 100

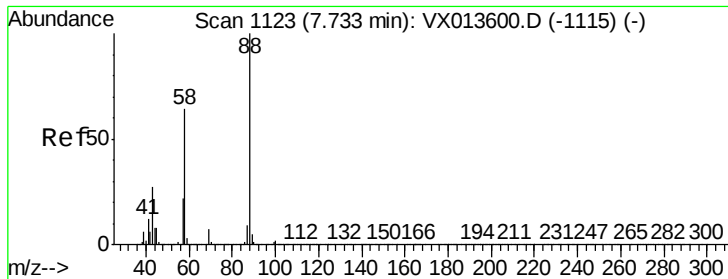
95 90.2 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.732 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.03 min

Lab File: VX013626.D

Acq: 27 Nov 2019 02:42

Instrument :

MSVOA_X

ClientSampleId :

56BR-20191120

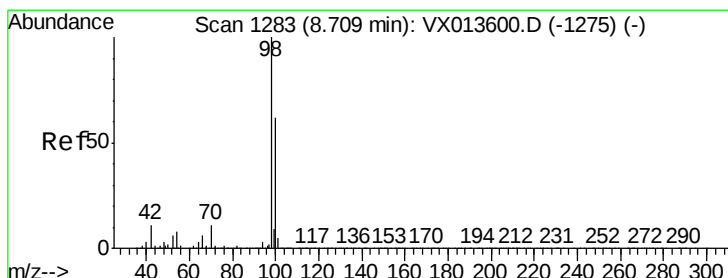
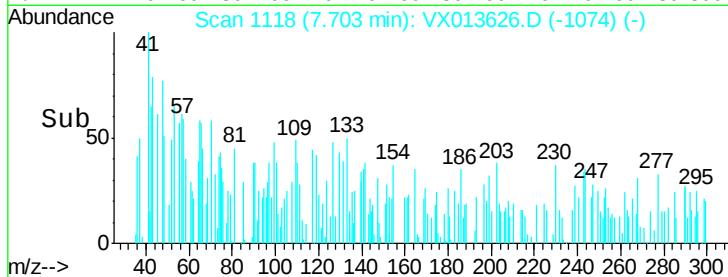
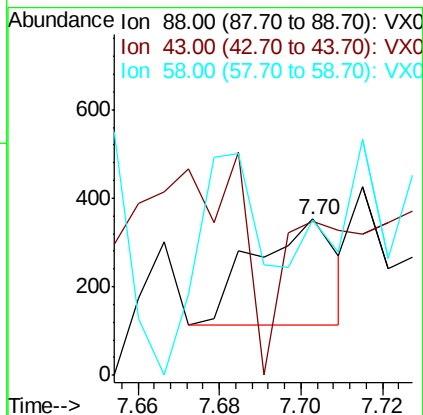
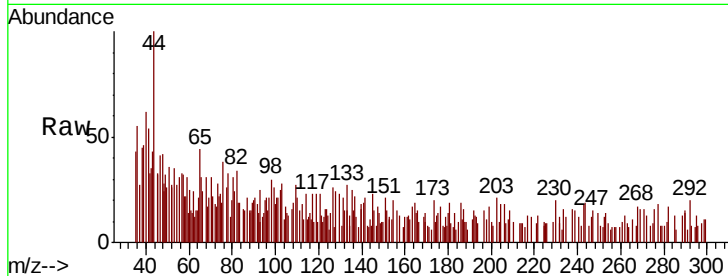
Tot Ion: 88 Resp: 333

Ion Ratio Lower Upper

88 100

43 144.4 25.8 38.6#

58 0.0 54.6 82.0#



#50

Toluene-d8

Concen: 49.041 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013626.D

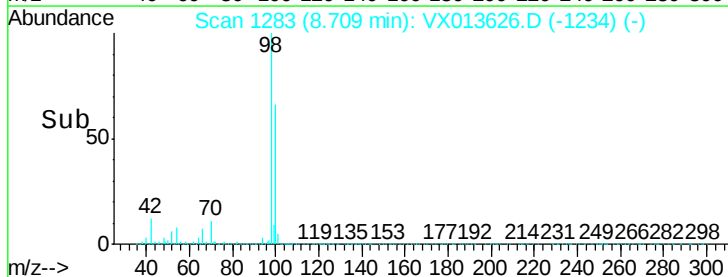
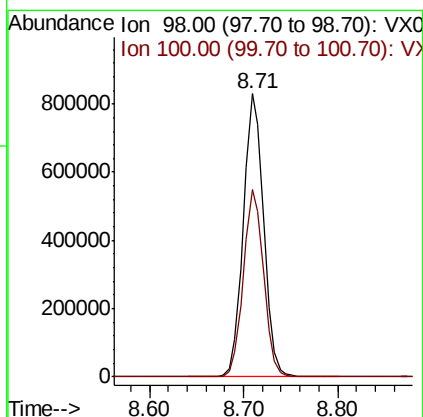
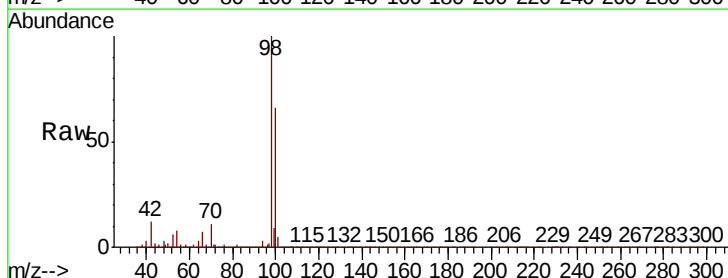
Acq: 27 Nov 2019 02:42

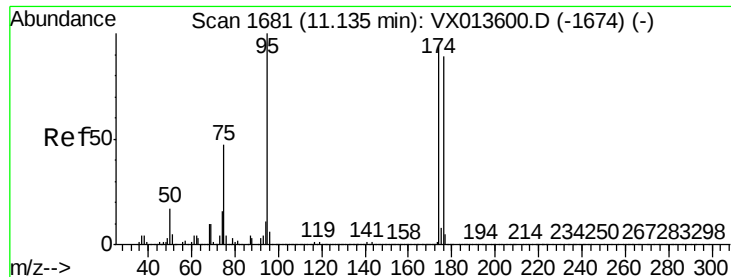
Tgt Ion: 98 Resp: 1245697

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7

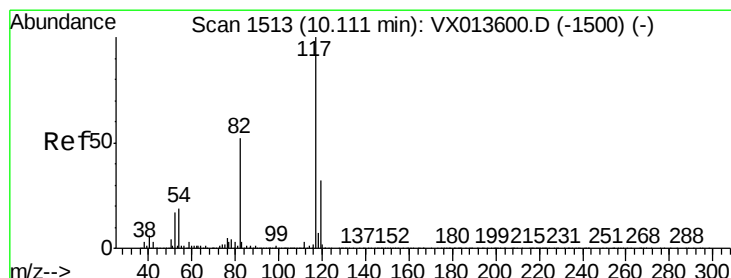
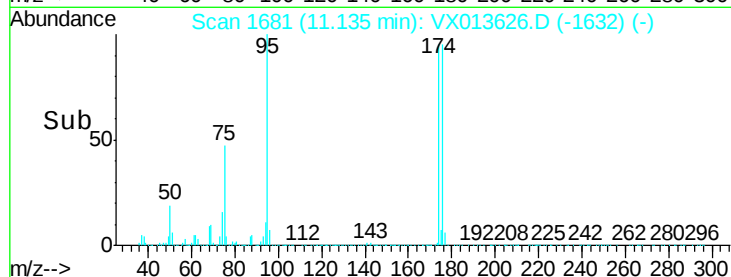
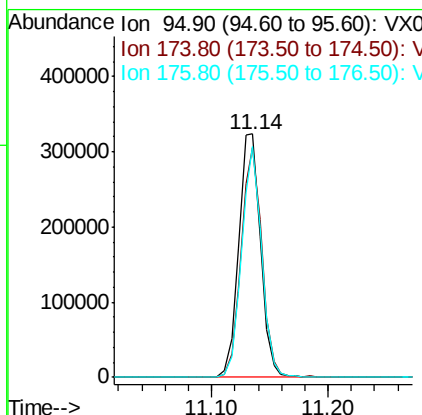
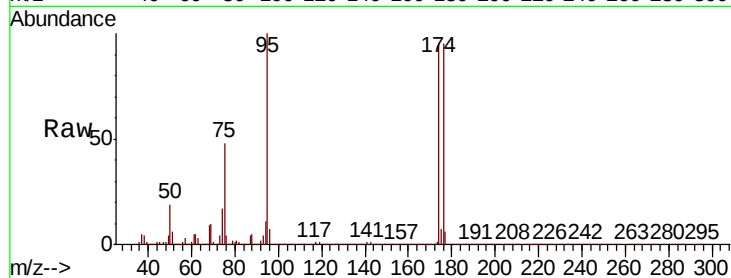




#62
4-Bromofluorobenzene
Concen: 46.315 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013626.D
Acq: 27 Nov 2019 02:42

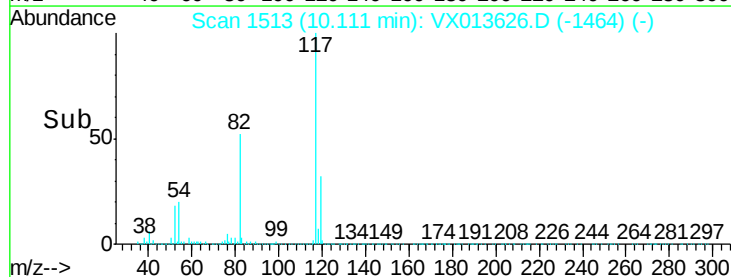
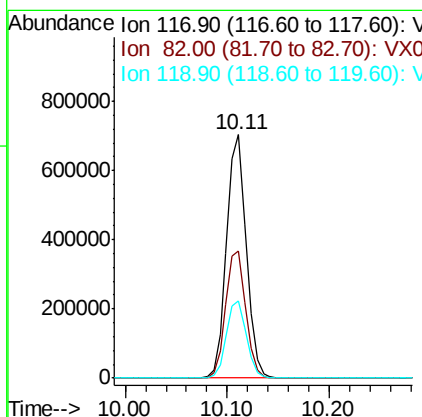
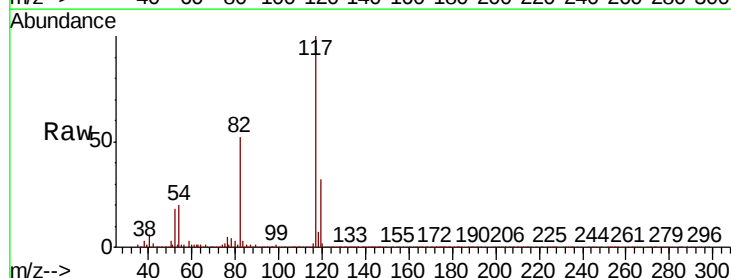
Instrument :
MSVOA_X
ClientSampleId :
56BR-20191120

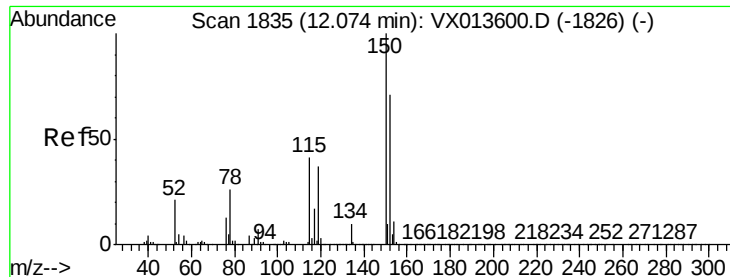
Tot Ion: 95 Resp: 424231
Ion Ratio Lower Upper
95 100
174 89.6 0.0 180.0
176 87.1 0.0 173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013626.D
Acq: 27 Nov 2019 02:42

Tgt Ion: 117 Resp: 938216
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 31.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013626.D

Acq: 27 Nov 2019 02:42

Instrument :

MSVOA_X

ClientSampleId :

56BR-20191120

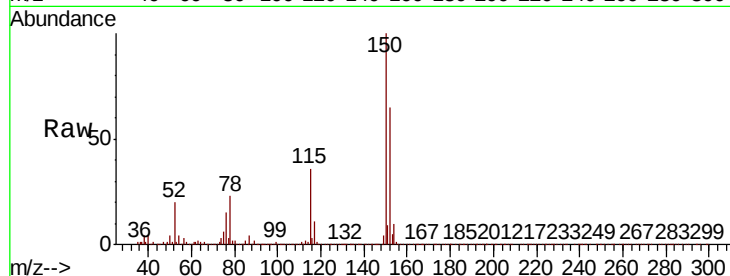
Tot Ion:152 Resp: 428363

Ion Ratio Lower Upper

152 100

115 55.2 38.4 115.1

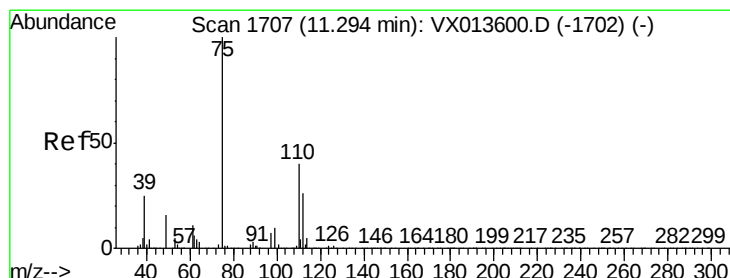
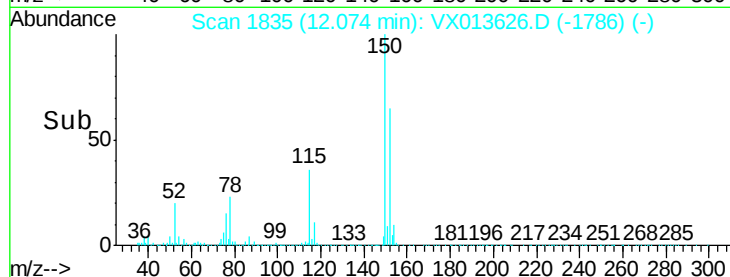
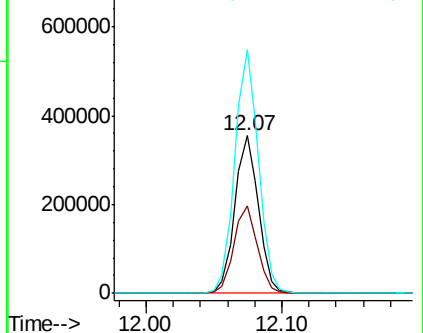
150 154.3 0.0 346.8



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: 21.384 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013626.D

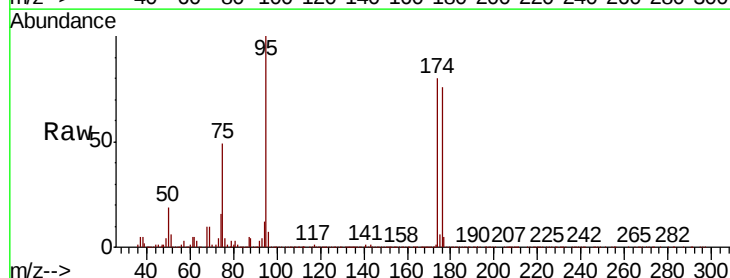
Acq: 27 Nov 2019 02:42

Tgt Ion: 75 Resp: 206030

Ion Ratio Lower Upper

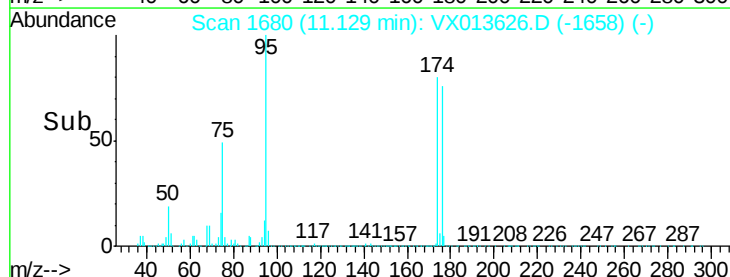
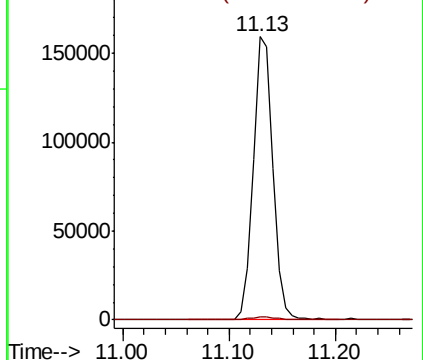
75 100

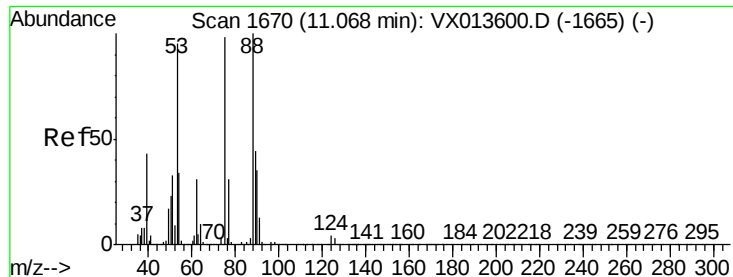
77 1.5 19.1 57.5#



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: 58.504 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013626.D

Acq: 27 Nov 2019 02:42

Instrument :

MSVOA_X

ClientSampleId :

56BR-20191120

Tot Ion: 75 Resp: 206030

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.0 35.4 53.2#

