

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112119\
 Data File : VX013503.D
 Acq On : 21 Nov 2019 15:13
 Operator : JC/SP
 Sample : K5916-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 600429836

Quant Time: Nov 21 15:36:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	716250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1155057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1049527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	485099	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	420958	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	5.48	113	344078	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
50) Toluene-d8	8.71	98	1394472	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.14	95	473745	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

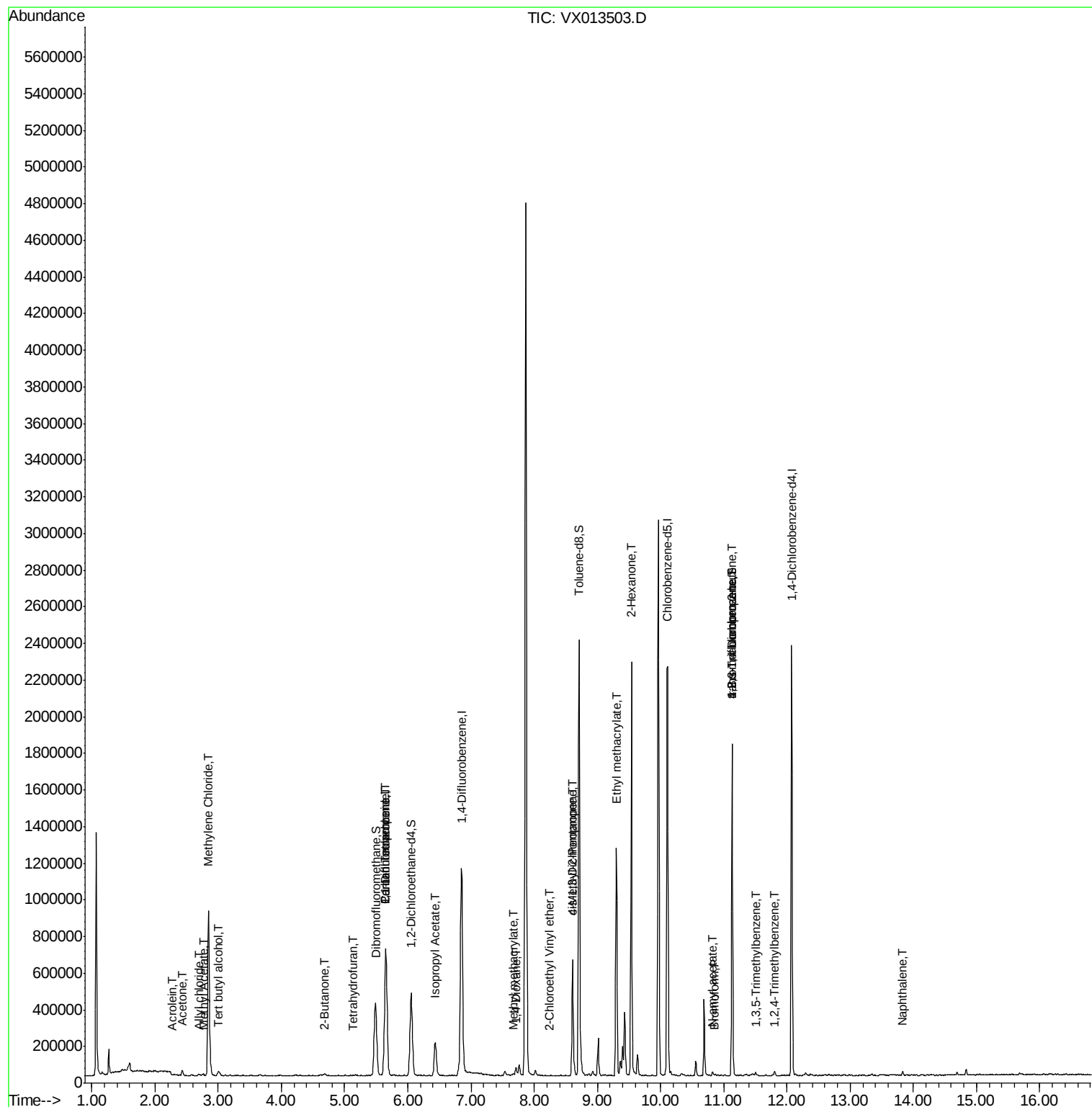
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	3306	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	15757	7.045	ug/l #	84
13) Acrolein	2.28	56	448	0.370	ug/l #	28
14) Allyl chloride	2.70	41	9332	0.782	ug/l #	57
16) Acetone	2.43	43	29751	7.029	ug/l	97
18) Methyl Acetate	2.76	43	10069	0.862	ug/l #	87
20) Methylene Chloride	2.85	84	429906	54.976	ug/l	97
25) 2-Butanone	4.67	43	1379	0.222	ug/l #	73
29) Tetrahydrofuran	5.13	42	1356	0.354	ug/l #	35
36) 1,1-Dichloropropene	5.65	75	47112	4.754	ug/l #	52
38) Carbon Tetrachloride	5.65	117	61156	6.311	ug/l #	15
43) Isopropyl Acetate	6.43	43	243772	12.785	ug/l	98
48) Methyl methacrylate	7.67	41	15540	1.633	ug/l #	18
49) 1,4-Dioxane	7.72	88	658	3.019	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	230597	18.434	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	105601	8.526	ug/l #	56
56) Ethyl methacrylate	9.30	69	2788	1.763	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.24	63	1241	0.229	ug/l	92
59) 2-Hexanone	9.54	43	258577	26.749	ug/l #	51
71) Bromoform	10.85	173	169	3.224	ug/l #	28
74) N-amyl acetate	10.82	43	11567	0.776	ug/l #	56
76) 1,2,3-Trichloropropane	11.14	75	231947	23.541	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.50	105	9487	0.354	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.14	75	231947	60.593	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	13185	0.491	ug/l	93
95) Naphthalene	13.83	128	15803	0.473	ug/l	95

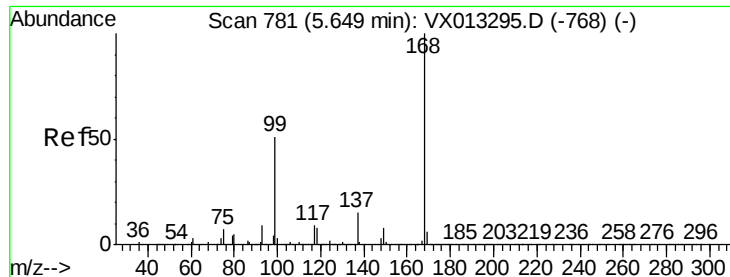
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX112119\
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 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: VX013503.D

Acq: 21 Nov 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

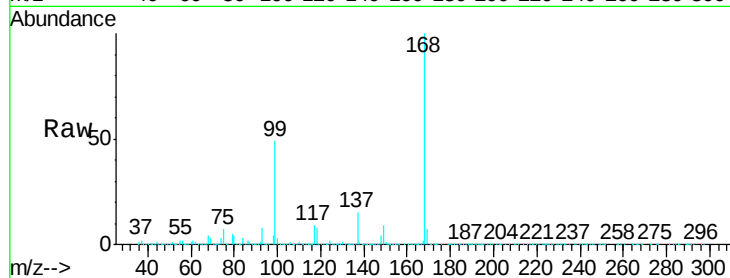
600429836

Tgt Ion:168 Resp: 716250

Ion Ratio Lower Upper

168 100

99 49.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

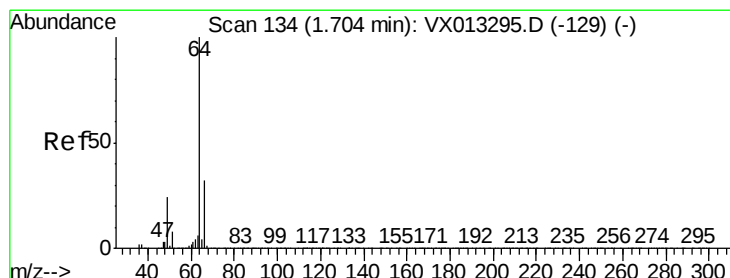
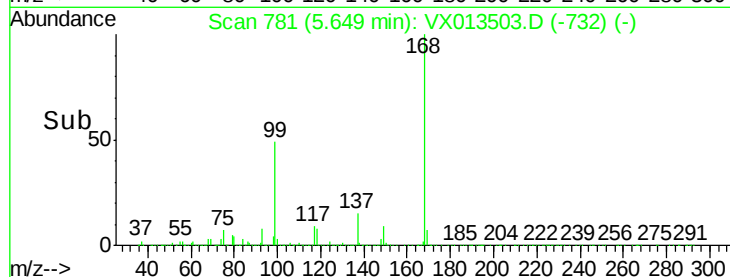
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013503.D

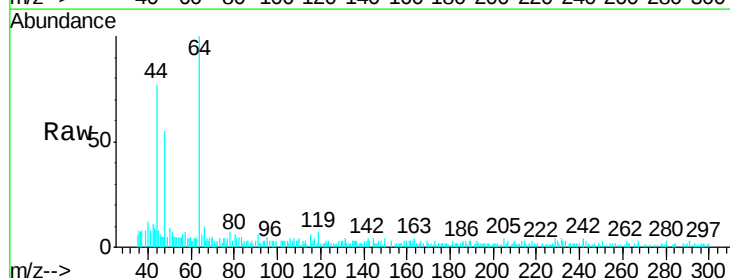
Acq: 21 Nov 2019 15:13

Tgt Ion: 64 Resp: 3306

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

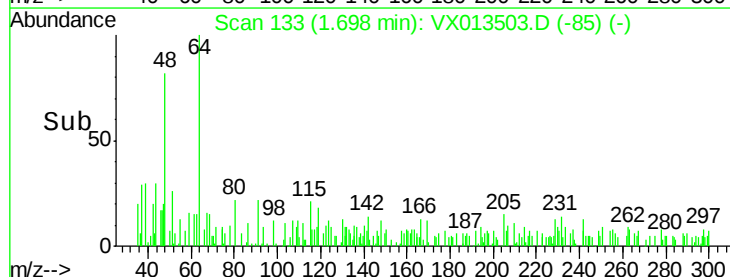
6000

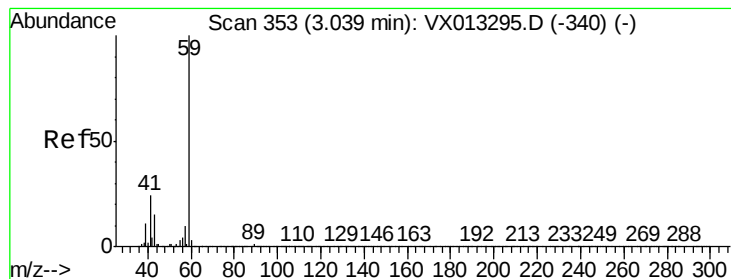
4000

2000

0

Time-->



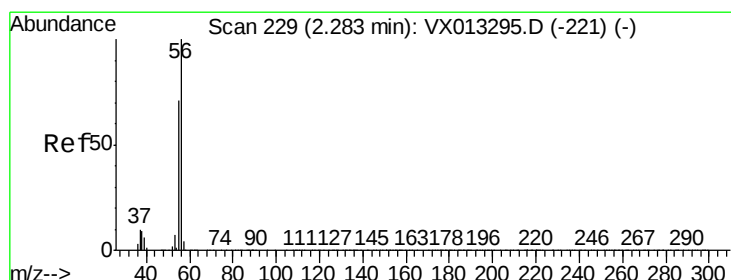
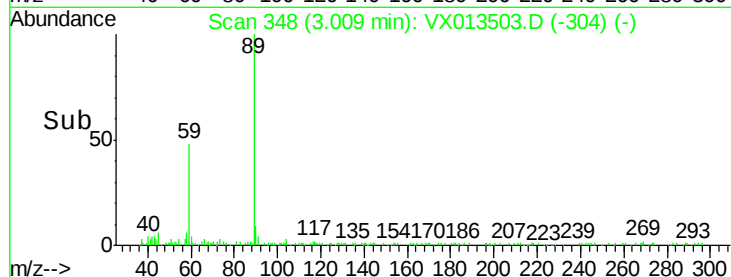
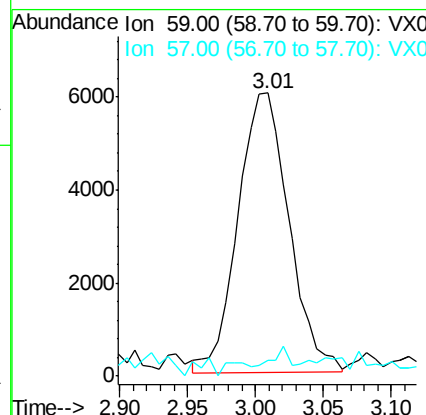
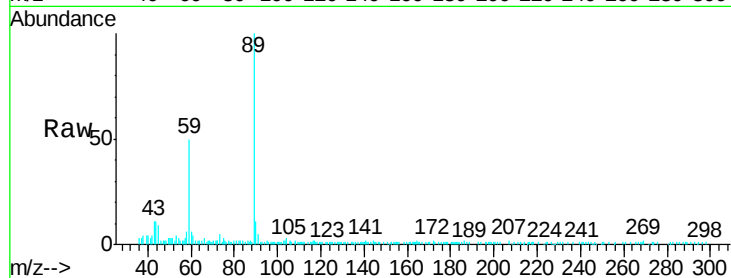


#11

Tert butyl alcohol
 Concen: 7.045 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX013503.D
 Acq: 21 Nov 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 600429836

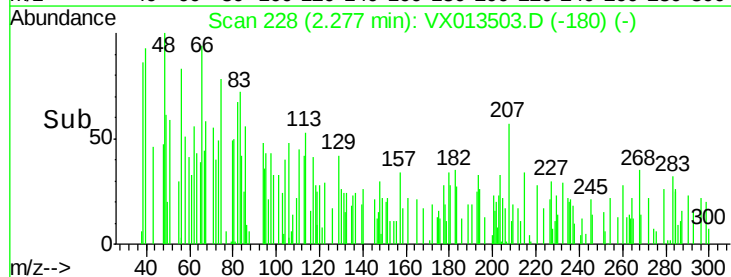
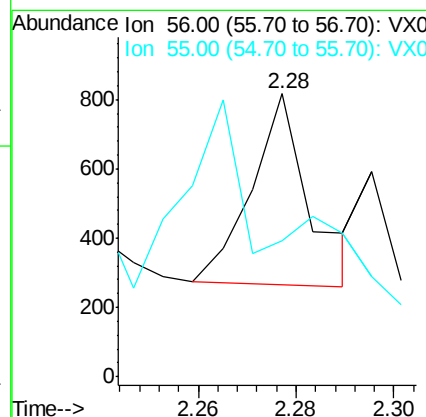
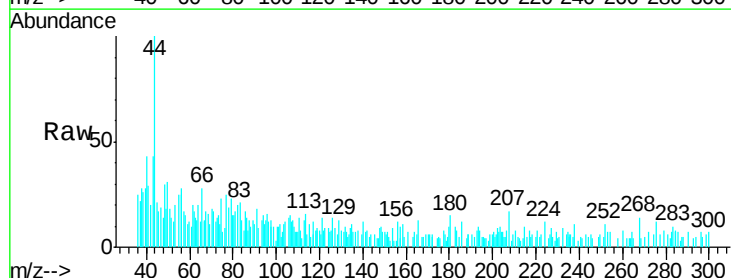
Tgt Ion: 59 Resp: 15757
 Ion Ratio Lower Upper
 59 100
 57 4.0 8.0 12.0#

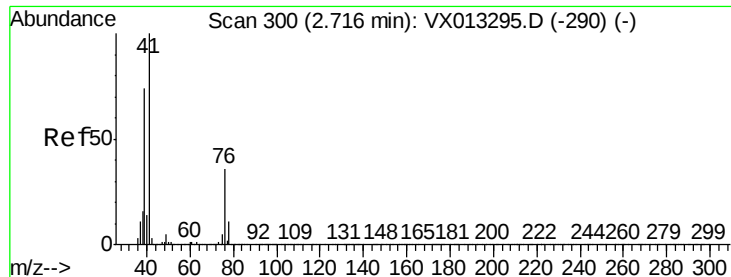


#13

Acrolein
 Concen: 0.370 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX013503.D
 Acq: 21 Nov 2019 15:13

Tgt Ion: 56 Resp: 448
 Ion Ratio Lower Upper
 56 100
 55 131.7 57.4 86.0#





#14

Allyl chloride

Concen: 0.782 ug/l

RT: 2.70 min Scan# 297

Delta R.T. -0.02 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

600429836

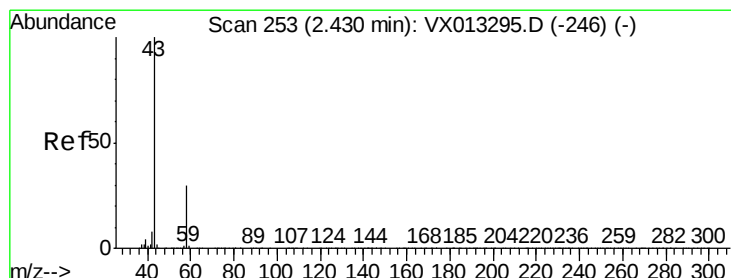
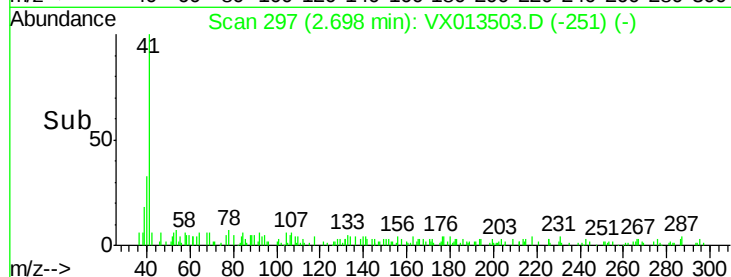
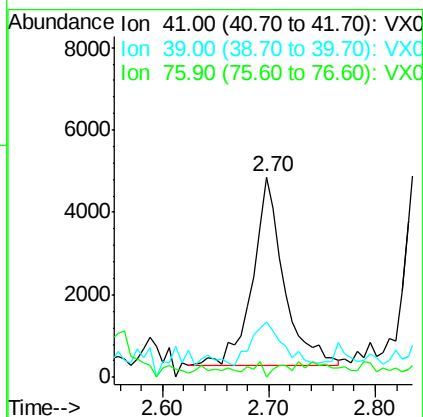
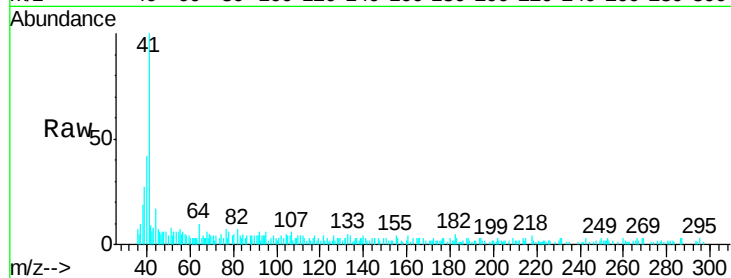
Tgt Ion: 41 Resp: 9332

Ion Ratio Lower Upper

41 100

39 38.5 55.8 83.8#

76 3.4 26.4 39.6#



#16

Acetone

Concen: 7.029 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013503.D

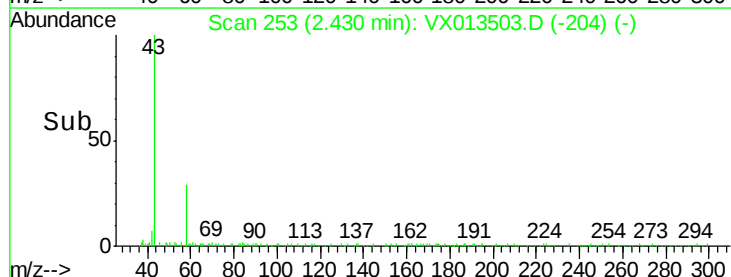
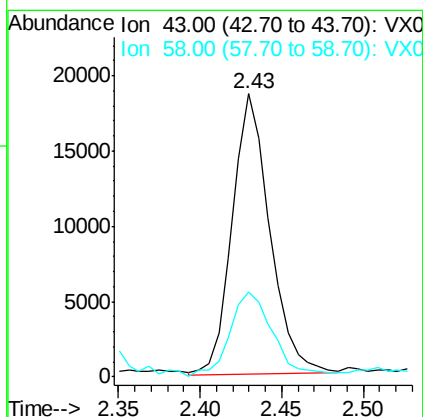
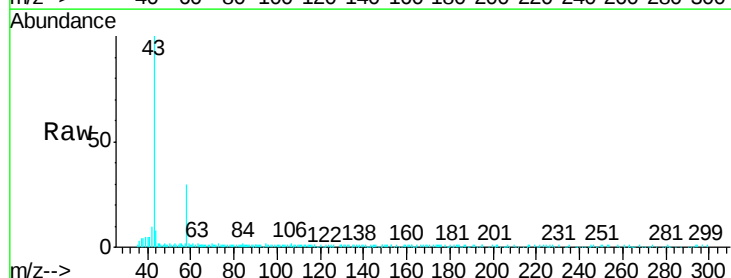
Acq: 21 Nov 2019 15:13

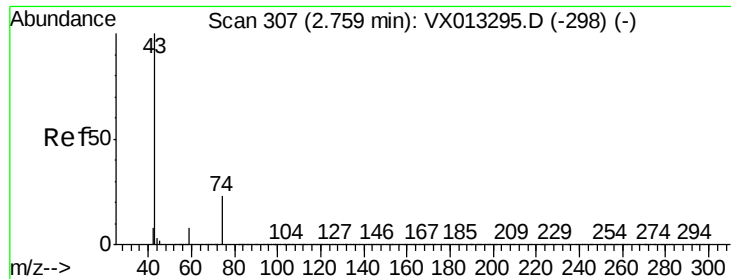
Tgt Ion: 43 Resp: 29751

Ion Ratio Lower Upper

43 100

58 28.8 24.3 36.5

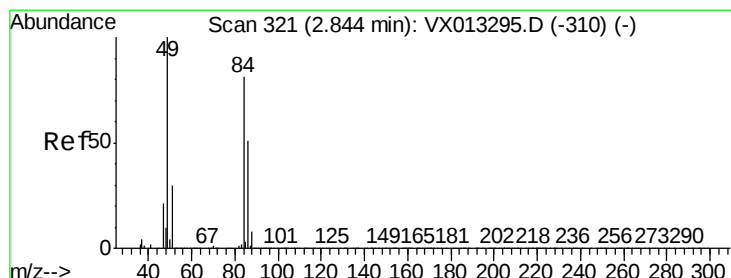
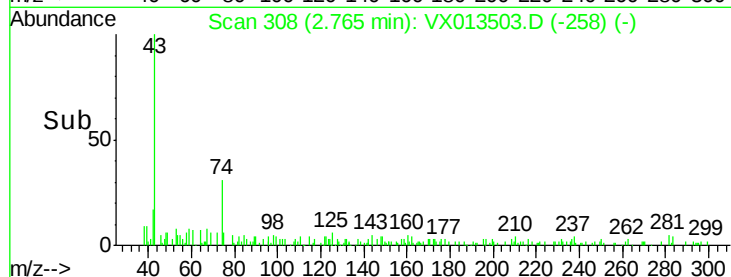
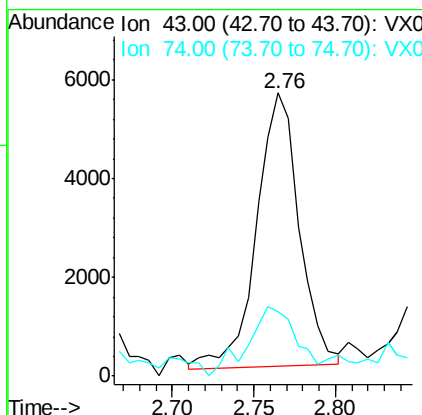
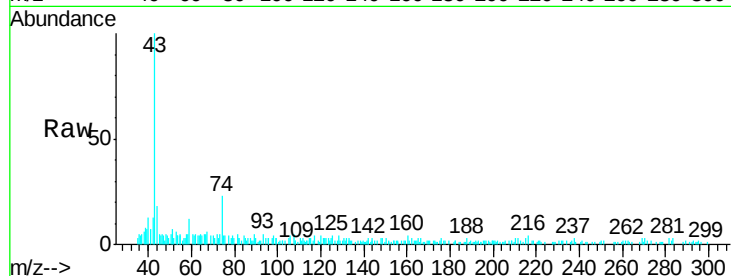




#18
Methyl Acetate
Concen: 0.862 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013503.D
Acq: 21 Nov 2019 15:13

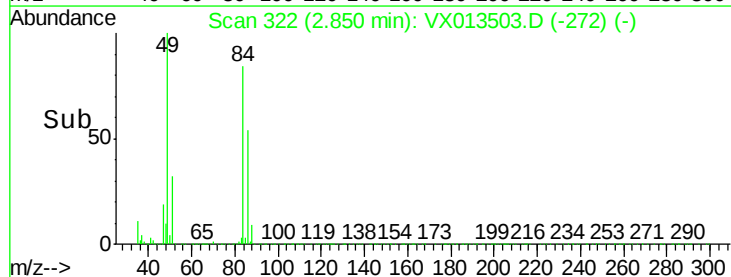
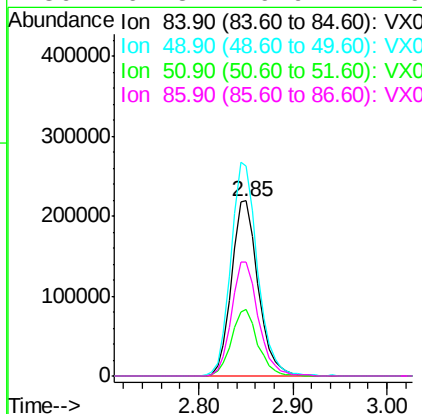
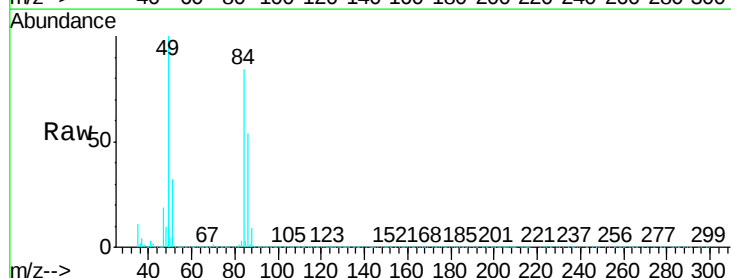
Instrument :
MSVOA_X
ClientSampleId :
600429836

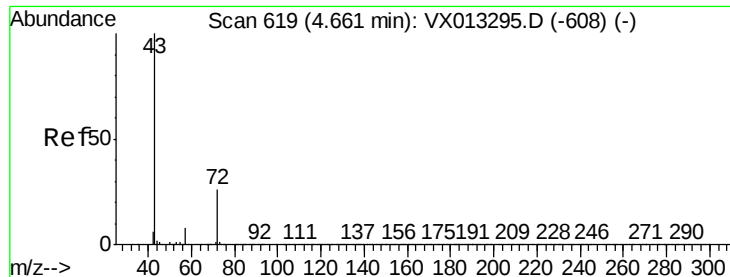
Tgt Ion: 43 Resp: 10069
Ion Ratio Lower Upper
43 100
74 30.4 19.0 28.6#



#20
Methylene Chloride
Concen: 54.976 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013503.D
Acq: 21 Nov 2019 15:13

Tgt Ion: 84 Resp: 429906
Ion Ratio Lower Upper
84 100
49 119.5 98.2 147.4
51 38.0 29.9 44.9
86 64.8 49.9 74.9





#25

2-Butanone

Concen: 0.222 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

Instrument :

MSVOA_X

ClientSampled :

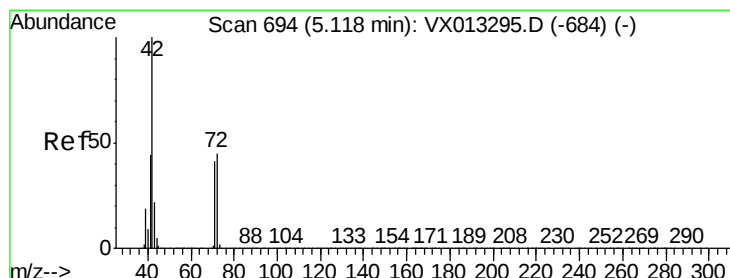
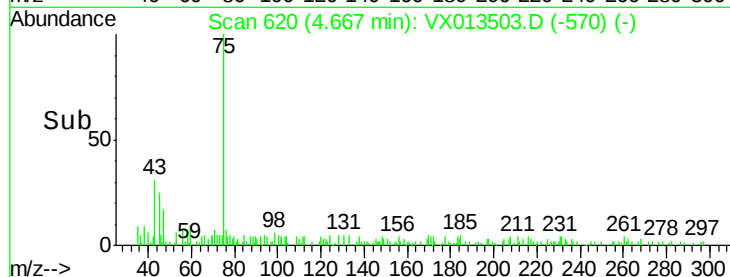
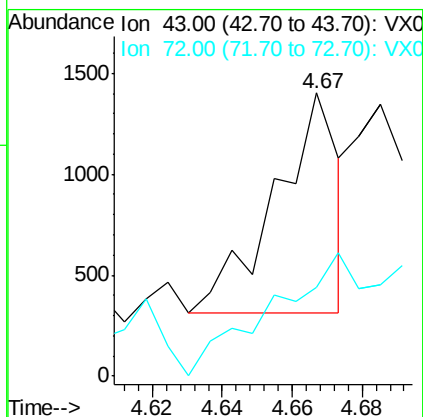
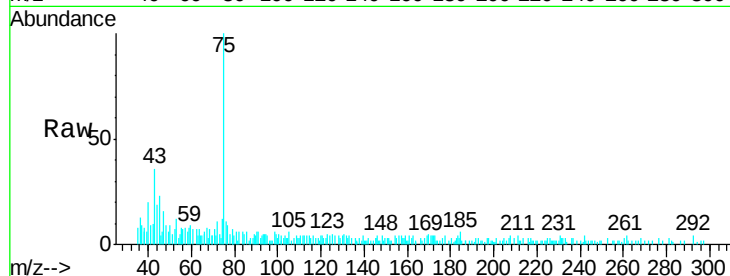
600429836

Tgt Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

72 40.3 21.0 31.6#



#29

Tetrahydrofuran

Concen: 0.354 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

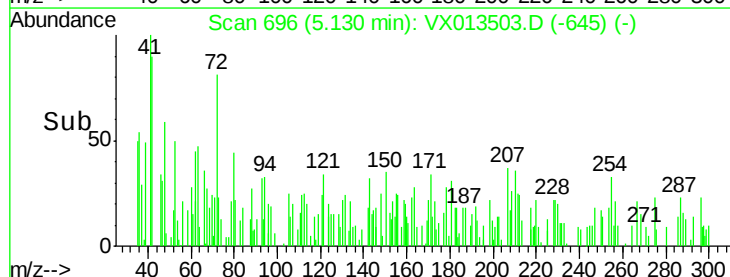
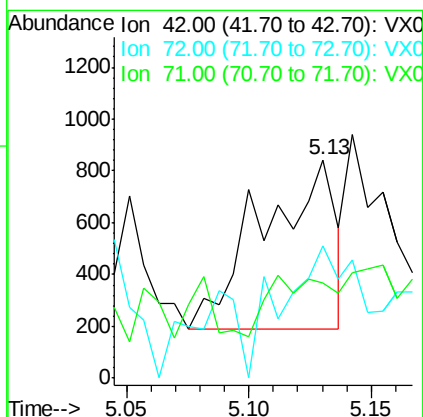
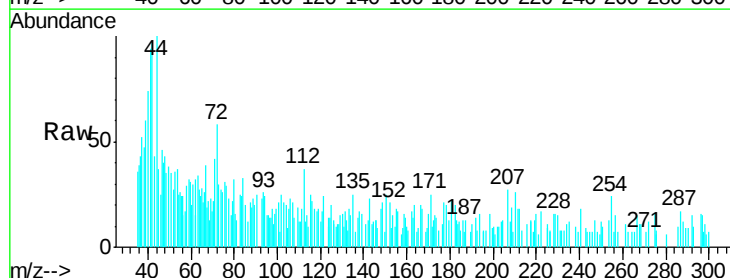
Tgt Ion: 42 Resp: 1356

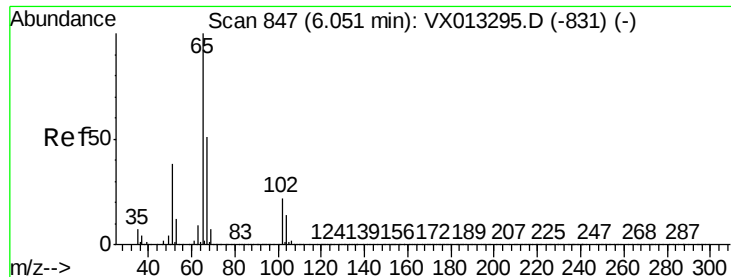
Ion Ratio Lower Upper

42 100

72 86.3 35.8 53.8#

71 0.0 33.4 50.0#





#33

1,2-Dichloroethane-d4

Concen: 49.609 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

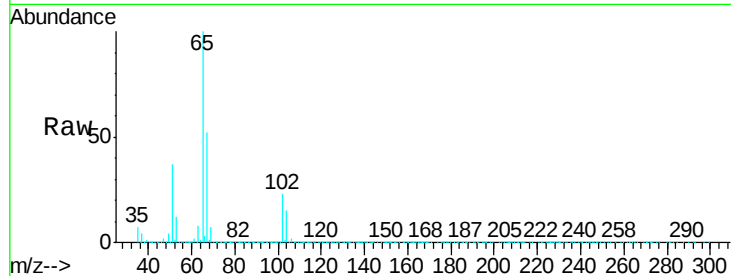
600429836

Tgt Ion: 65 Resp: 420958

Ion Ratio Lower Upper

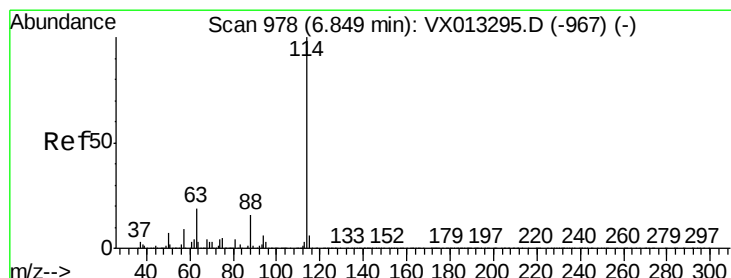
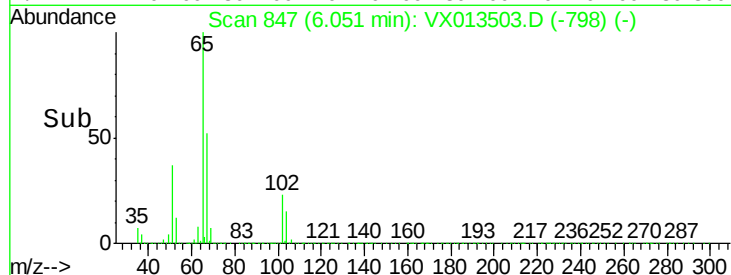
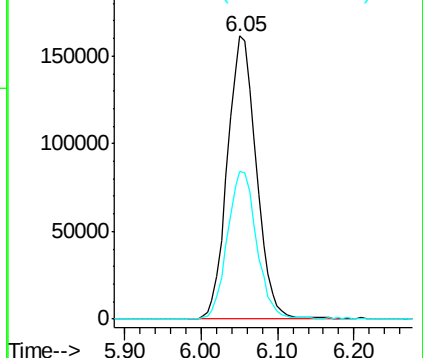
65 100

67 53.1 0.0 104.2



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: VX013503.D

Acq: 21 Nov 2019 15:13

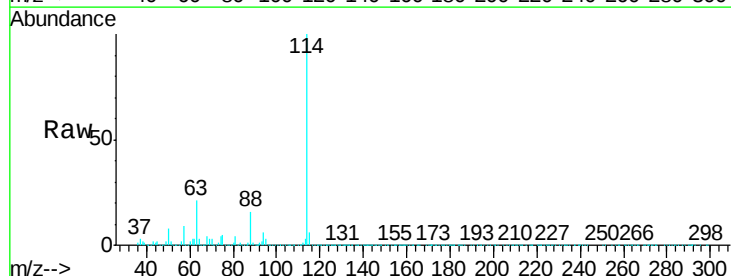
Tgt Ion: 114 Resp: 1155057

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.4

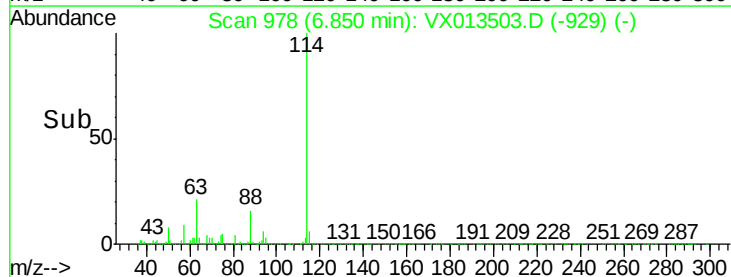
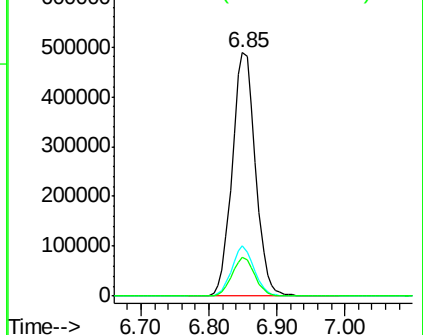
88 15.8 0.0 32.2

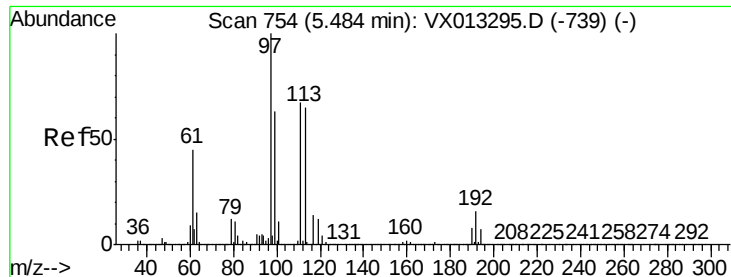


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

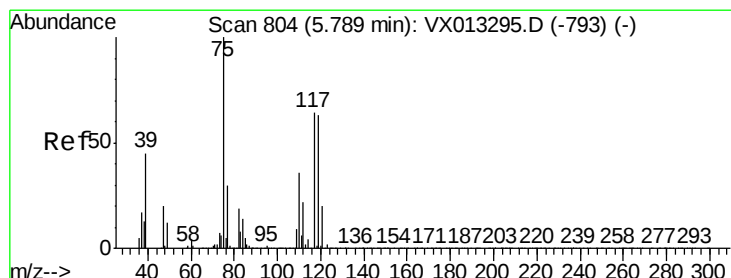
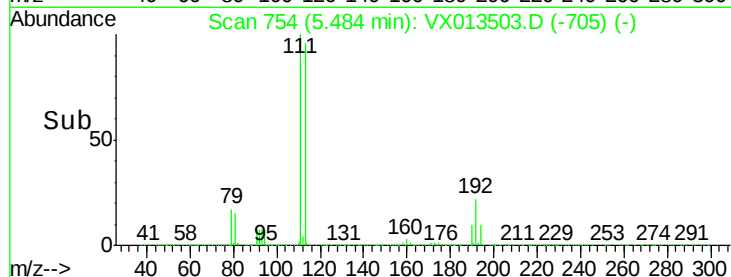
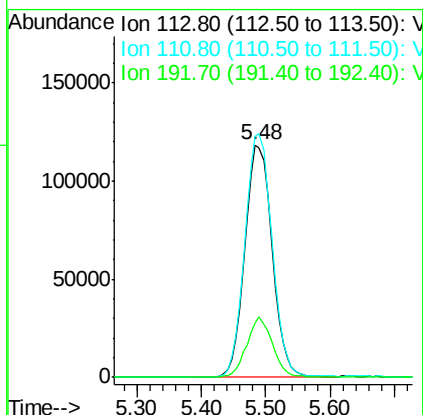
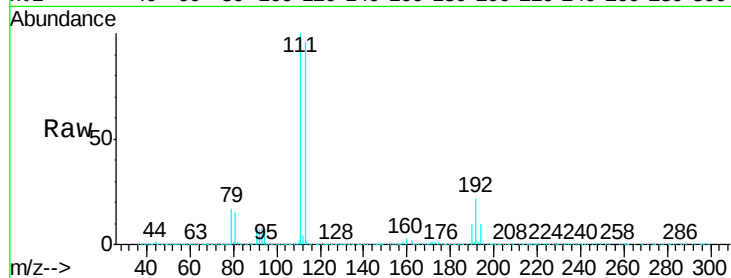




#35
 Dibromofluoromethane
 Concen: 47.494 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX013503.D
 Acq: 21 Nov 2019 15:13

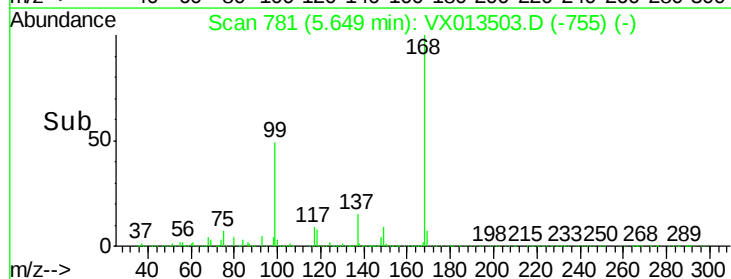
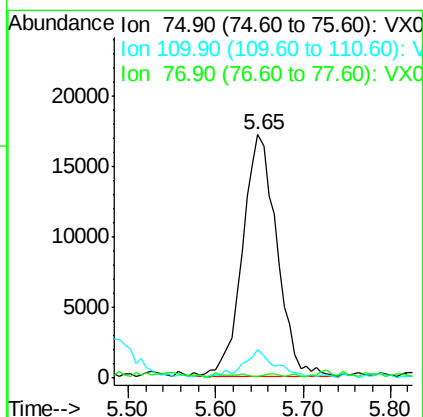
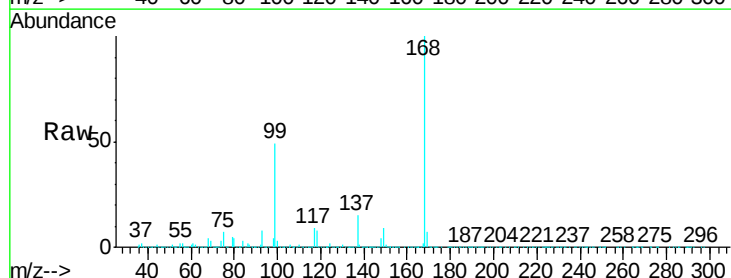
Instrument :
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 600429836

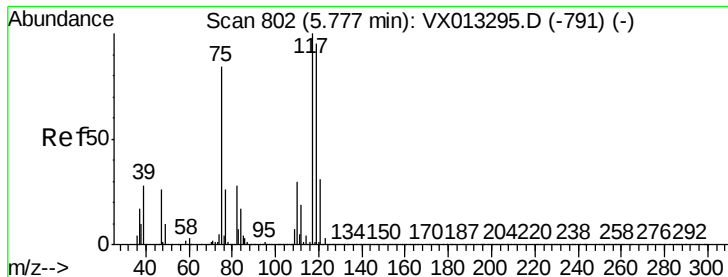
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.9	122.9
192	24.6	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013503.D
 Acq: 21 Nov 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	18.1	54.1#
77	0.5	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.311 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

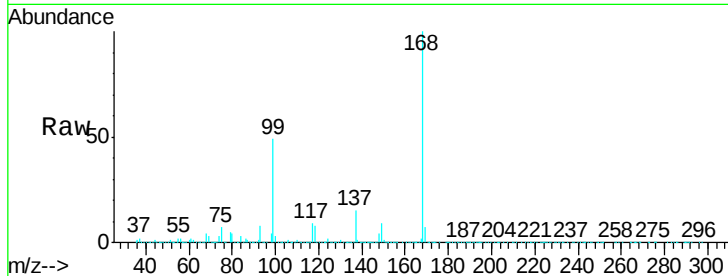
Instrument :

MSVOA_X

ClientSampleId :

600429836

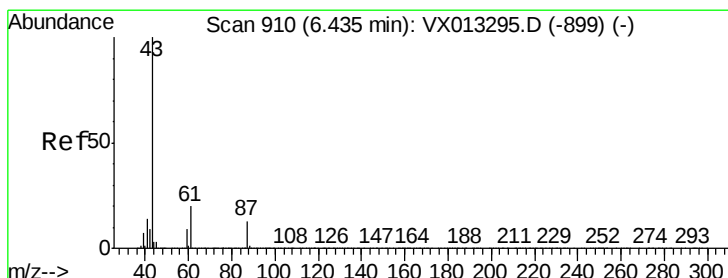
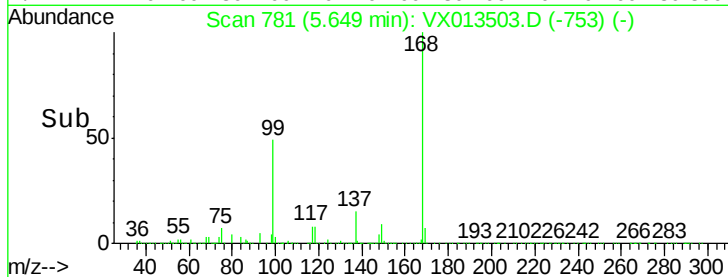
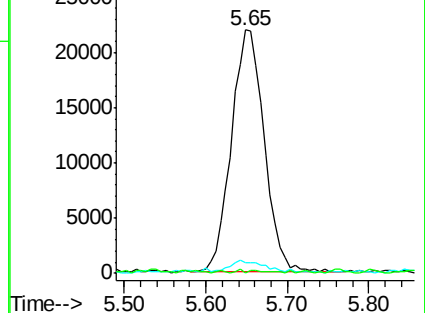
Tgt Ion:	117	Resp:	61156
Ion	Ratio	Lower	Upper
117	100		
119	3.4	76.1	114.1#
121	0.0	24.6	37.0#



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



#43

Isopropyl Acetate

Concen: 12.785 ug/l

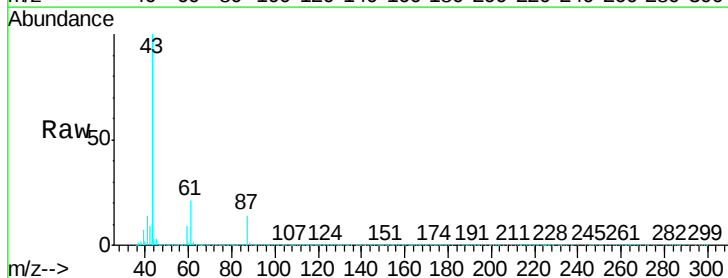
RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

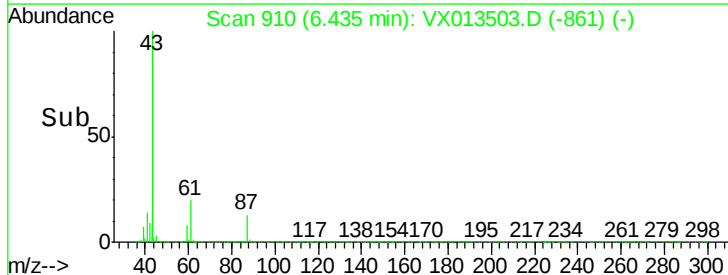
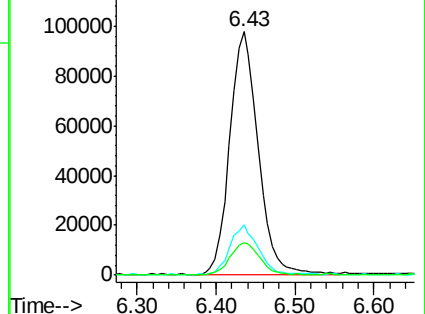
Tgt Ion:	43	Resp:	243772
Ion	Ratio	Lower	Upper
43	100		
61	20.9	15.8	23.8
87	13.9	10.4	15.6

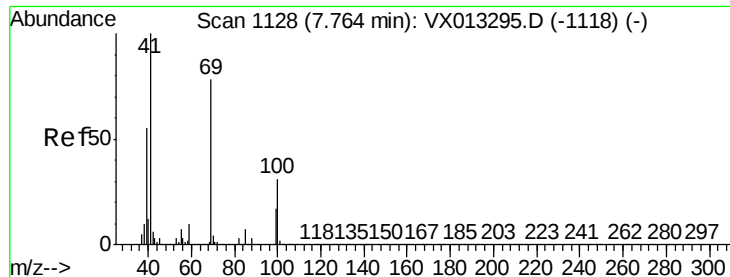


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 1.633 ug/l

RT: 7.67 min Scan# 1113

Delta R.T. -0.09 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

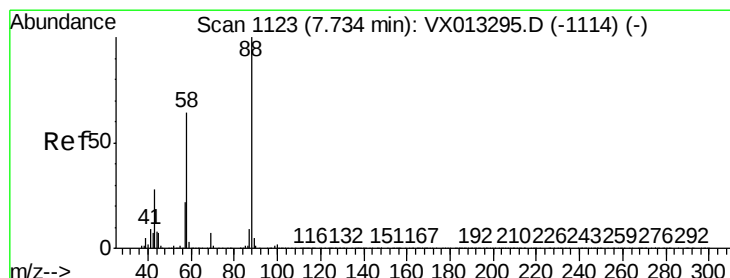
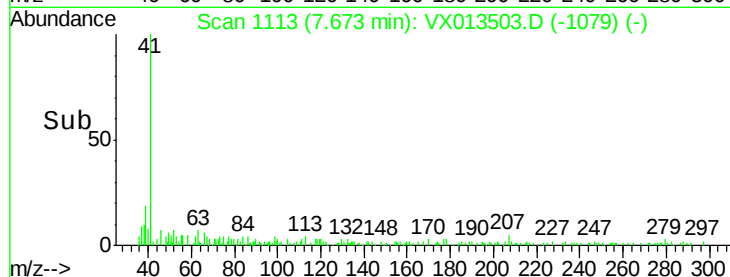
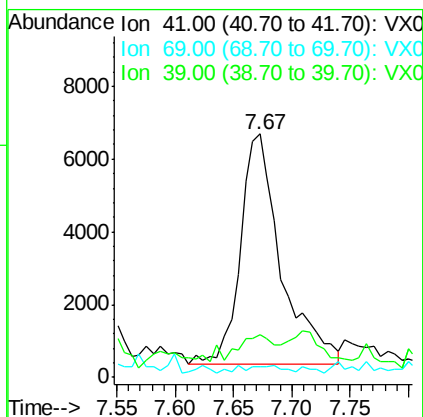
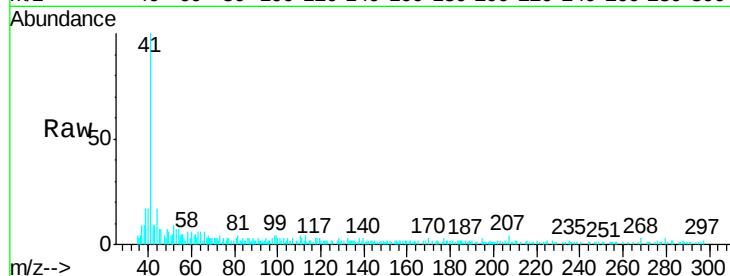
Instrument :

MSVOA_X

ClientSampleId :

600429836

Tgt Ion:	41	Resp:	15540
Ion	Ratio	Lower	Upper
41	100		
69	3.8	63.0	94.6#
39	0.0	45.9	68.9#



#49

1,4-Dioxane

Concen: 3.019 ug/l

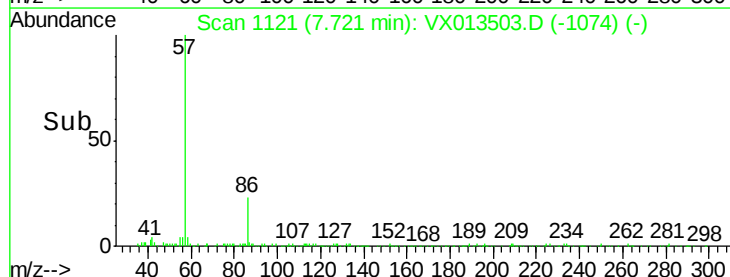
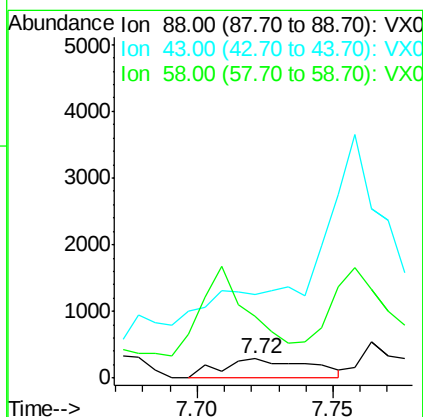
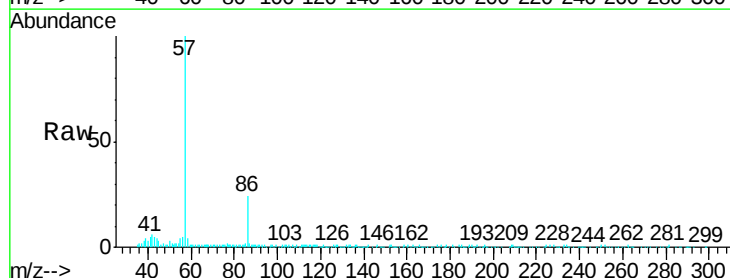
RT: 7.72 min Scan# 1121

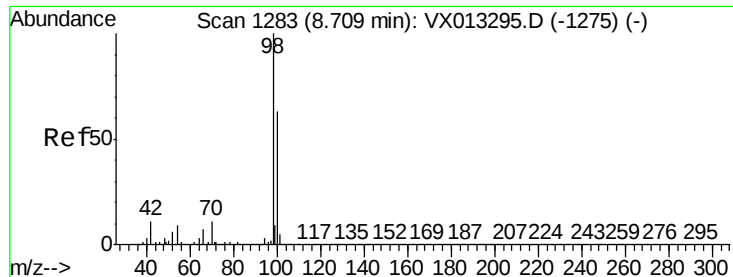
Delta R.T. -0.01 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

Tgt Ion:	88	Resp:	658
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	272.6	55.0	82.6#





#50

Toluene-d8

Concen: 51.058 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

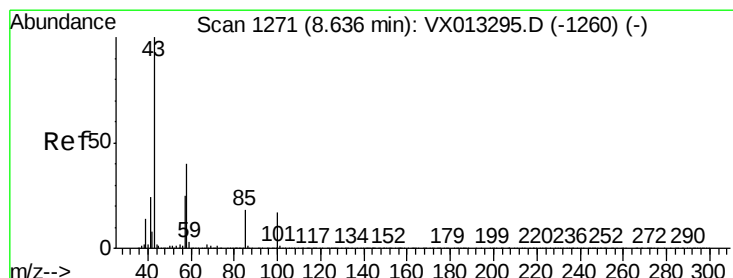
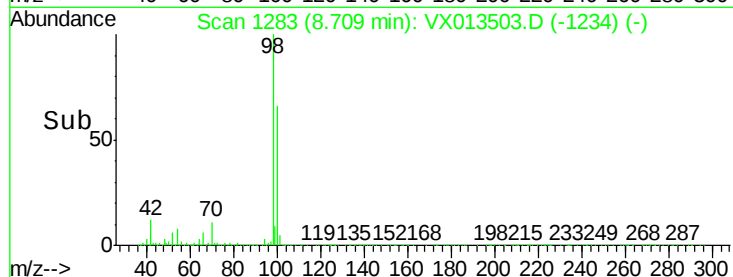
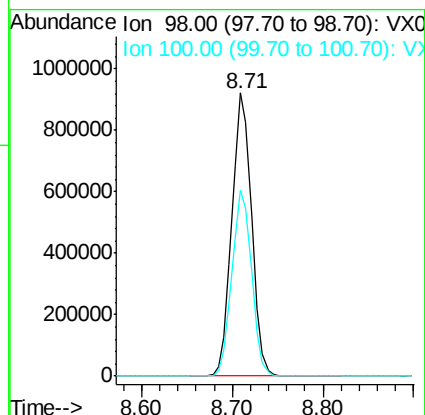
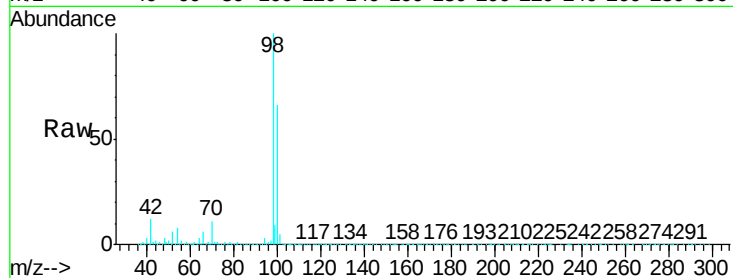
600429836

Tgt Ion: 98 Resp: 1394472

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 18.434 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX013503.D

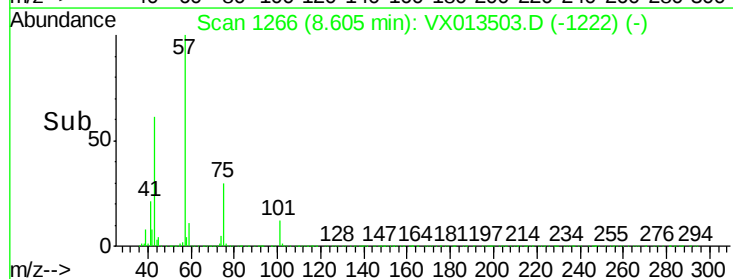
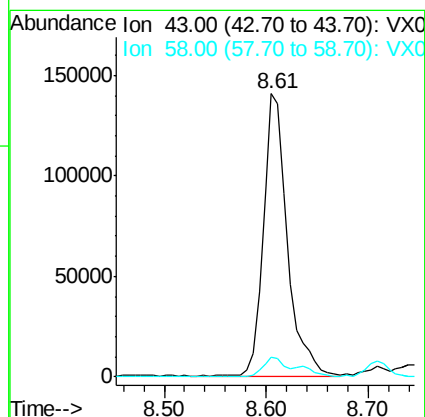
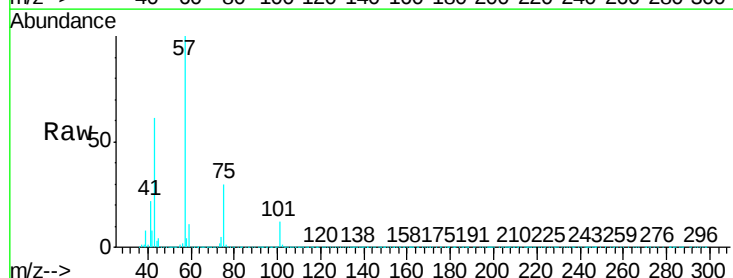
Acq: 21 Nov 2019 15:13

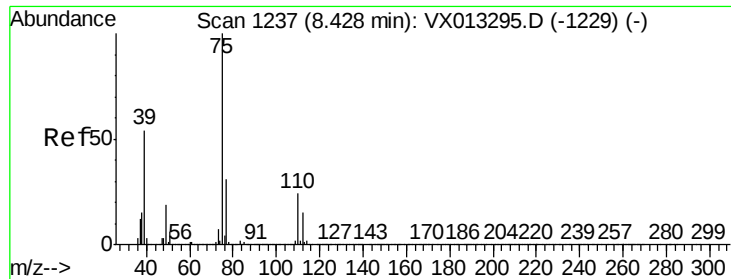
Tgt Ion: 43 Resp: 230597

Ion Ratio Lower Upper

43 100

58 5.9 31.4 47.0#



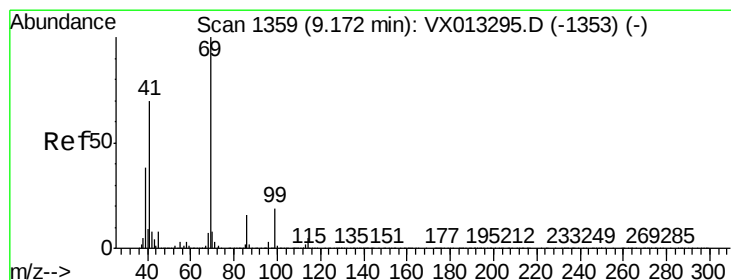
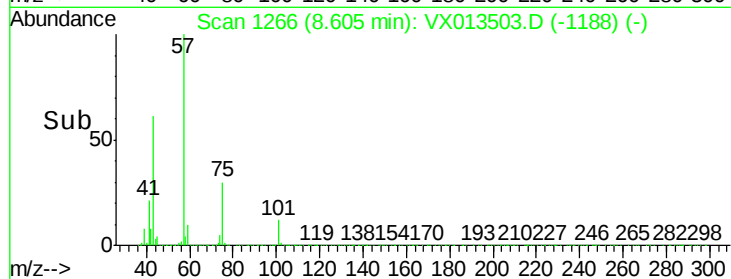
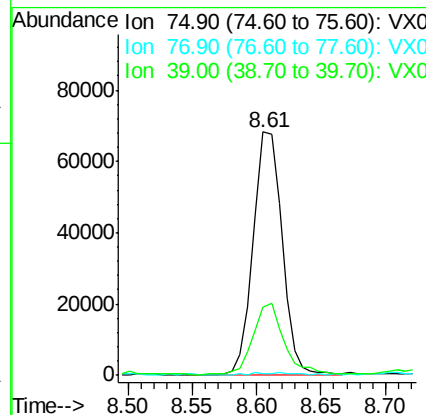
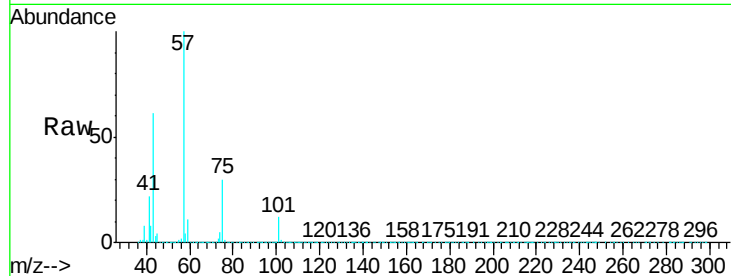


#54

cis-1,3-Dichloropropene
 Concen: 8.526 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX013503.D
 Acq: 21 Nov 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 600429836

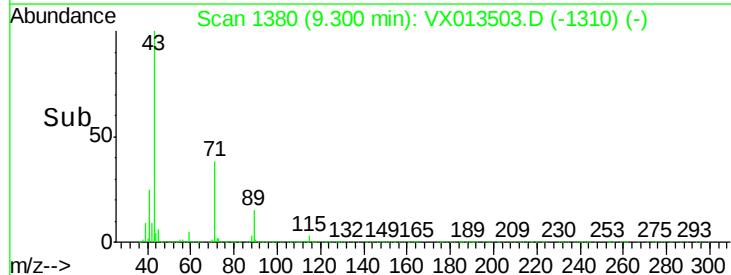
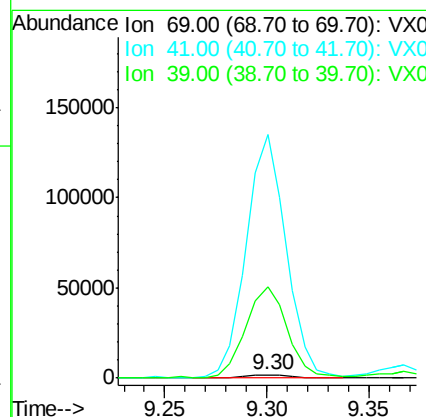
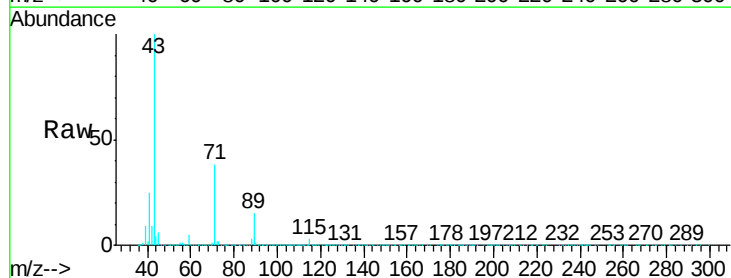
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.4	24.7	37.1#
39	27.6	43.0	64.6#

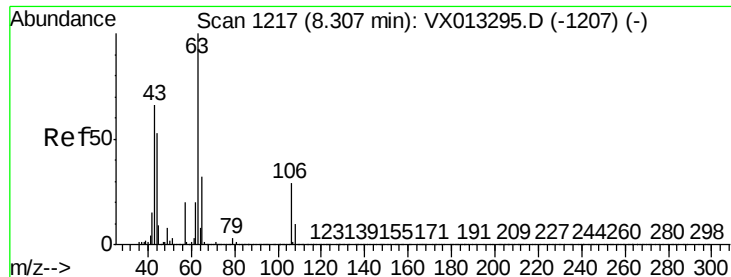


#56

Ethyl methacrylate
 Concen: 1.763 ug/l
 RT: 9.30 min Scan# 1380
 Delta R.T. 0.13 min
 Lab File: VX013503.D
 Acq: 21 Nov 2019 15:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	6557.0	56.2	84.2#
39	2565.1	31.1	46.7#





#58

2-Chloroethyl Vinyl ether

Concen: 0.229 ug/l

RT: 8.24 min Scan# 1206

Delta R.T. -0.07 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

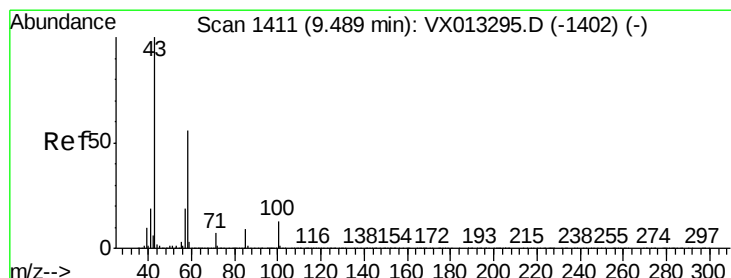
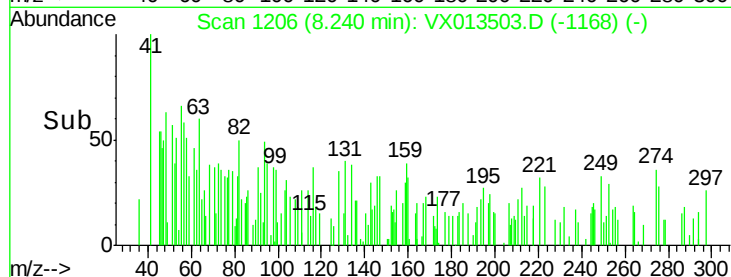
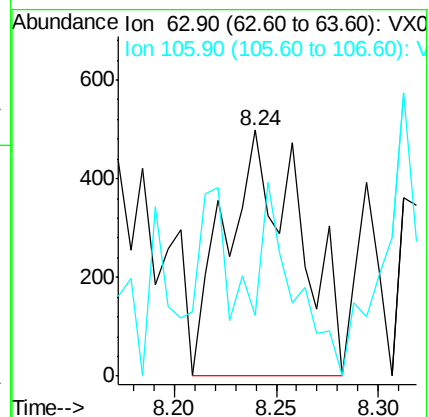
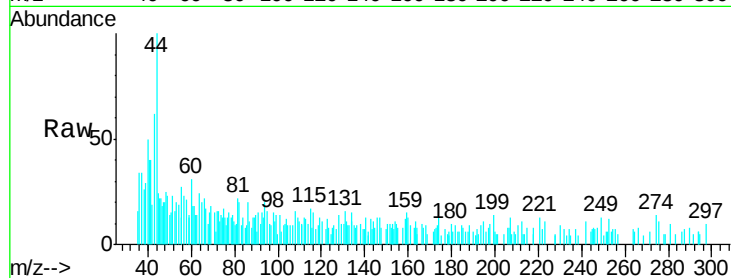
600429836

Tgt Ion: 63 Resp: 1241

Ion Ratio Lower Upper

63 100

106 33.8 23.4 35.2



#59

2-Hexanone

Concen: 26.749 ug/l

RT: 9.54 min Scan# 1419

Delta R.T. 0.05 min

Lab File: VX013503.D

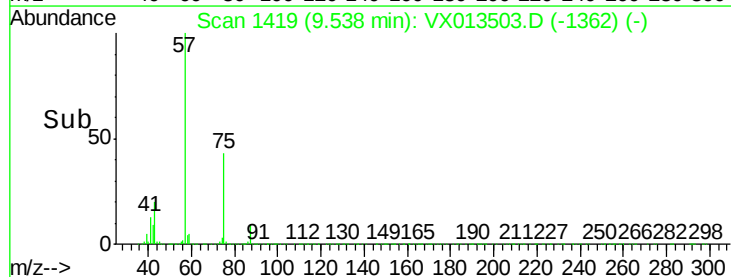
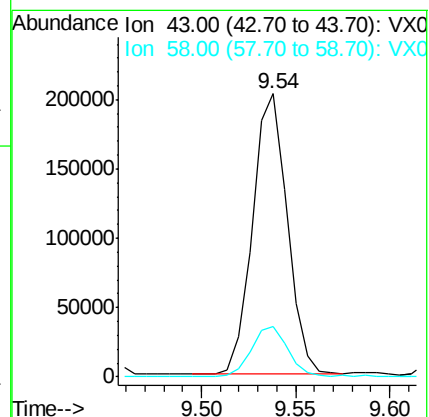
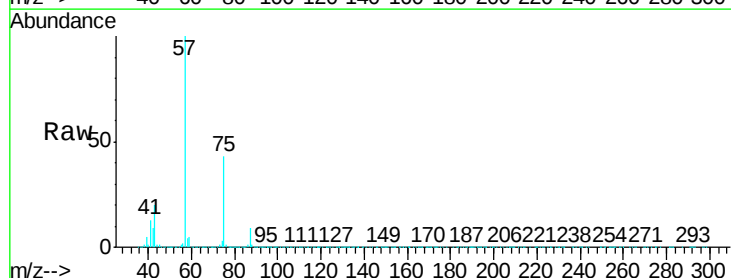
Acq: 21 Nov 2019 15:13

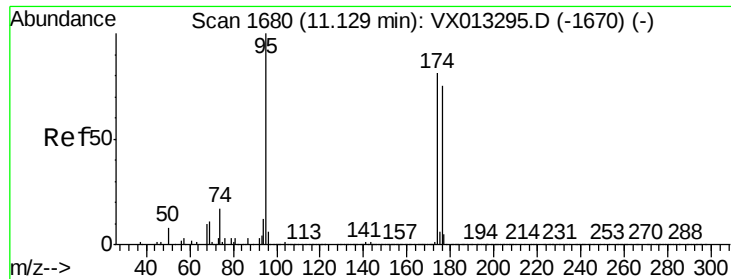
Tgt Ion: 43 Resp: 258577

Ion Ratio Lower Upper

43 100

58 19.2 27.3 81.8#

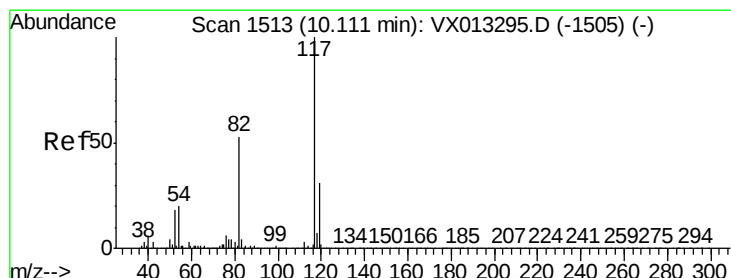
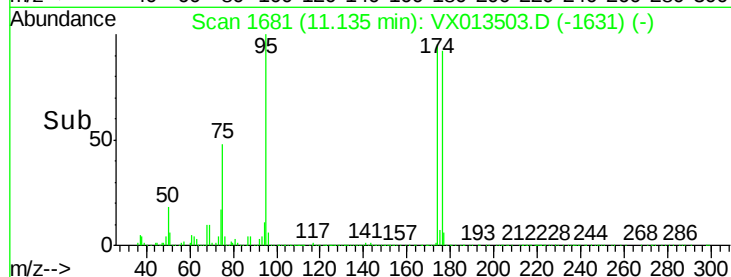
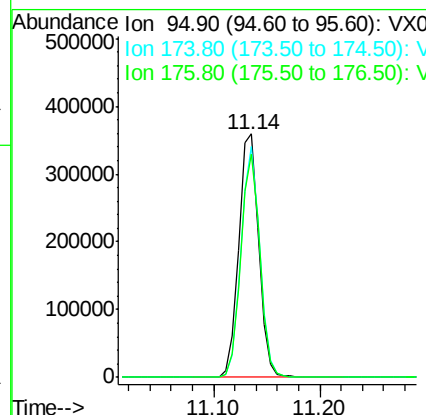
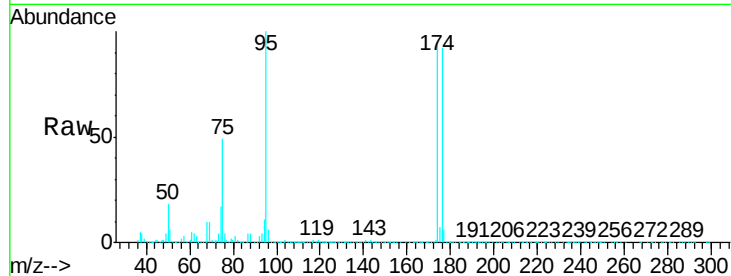




#62
4-Bromofluorobenzene
Concen: 48.062 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013503.D
Acq: 21 Nov 2019 15:13

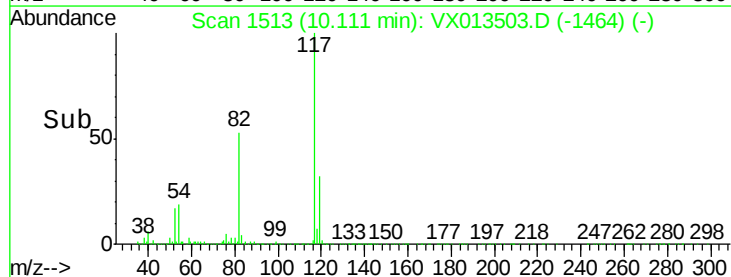
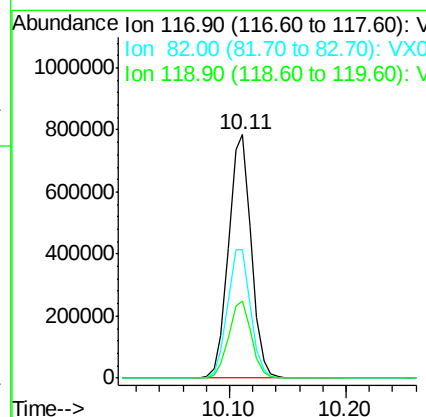
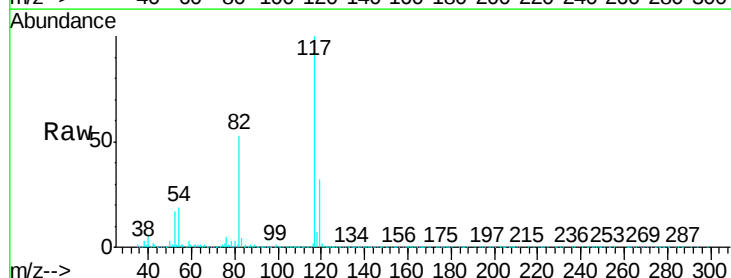
Instrument :
MSVOA_X
ClientSampleId :
600429836

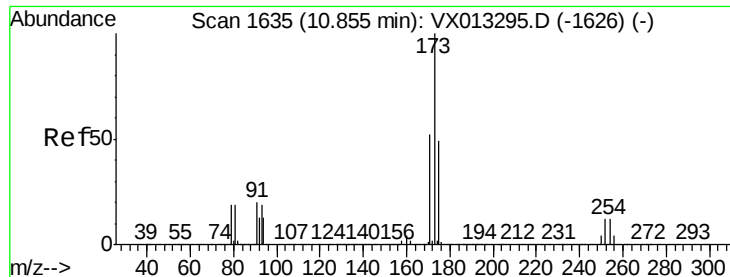
Tgt Ion: 95 Resp: 473745
Ion Ratio Lower Upper
95 100
174 89.7 0.0 179.8
176 87.7 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013503.D
Acq: 21 Nov 2019 15:13

Tgt Ion: 117 Resp: 1049527
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 31.9 24.8 37.2

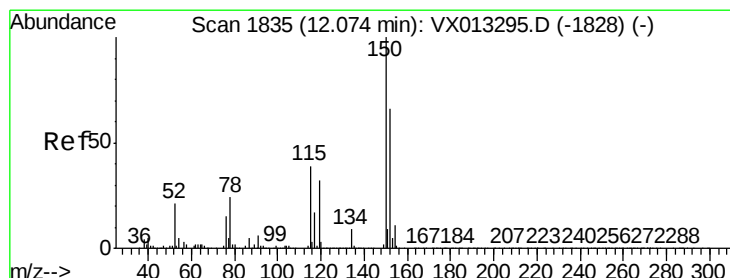
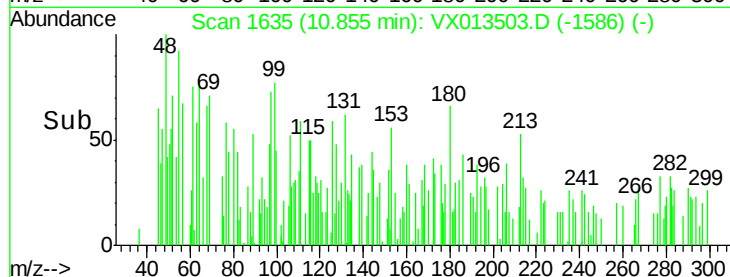
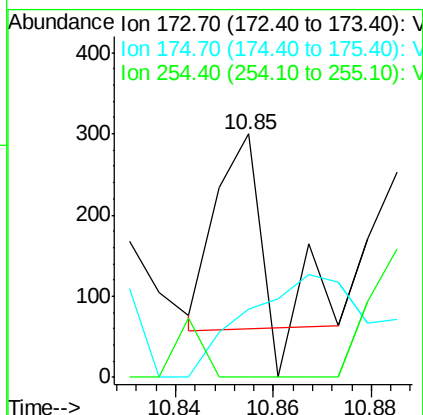
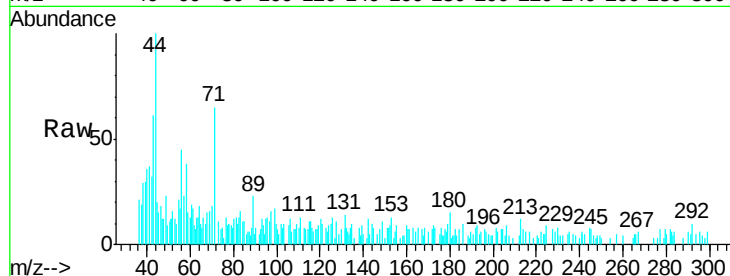




#71
Bromoform
Concen: 3.224 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013503.D
Acq: 21 Nov 2019 15:13

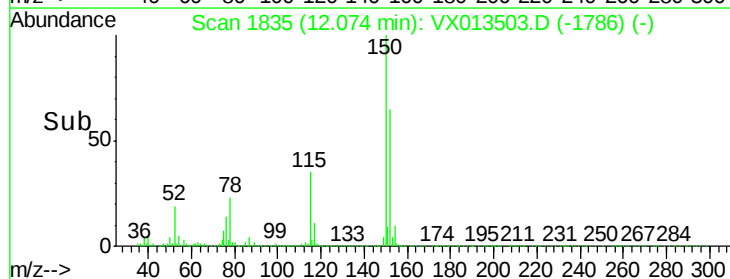
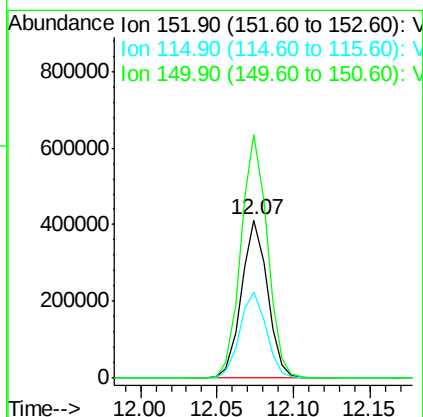
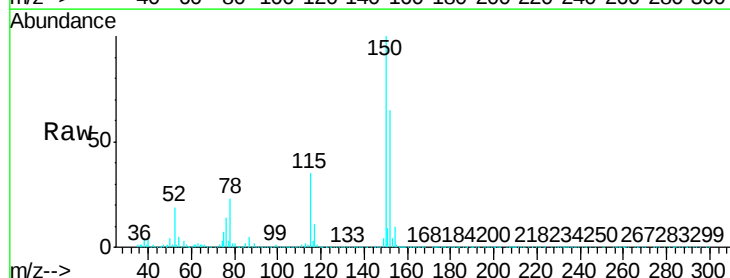
Instrument :
MSVOA_X
ClientSampled :
600429836

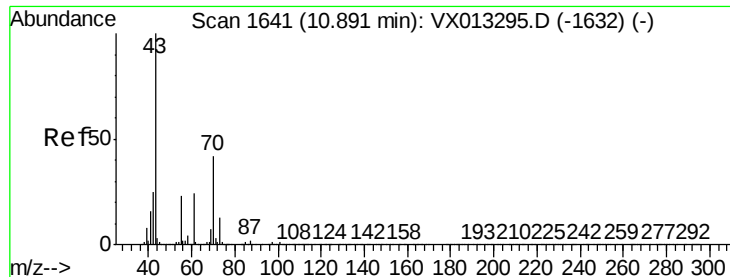
Tgt Ion:173 Resp: 169
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 16.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013503.D
Acq: 21 Nov 2019 15:13

Tgt Ion:152 Resp: 485099
Ion Ratio Lower Upper
152 100
115 55.6 39.5 118.3
150 156.9 0.0 344.4





#74

N-amyI acetate

Concen: 0.776 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

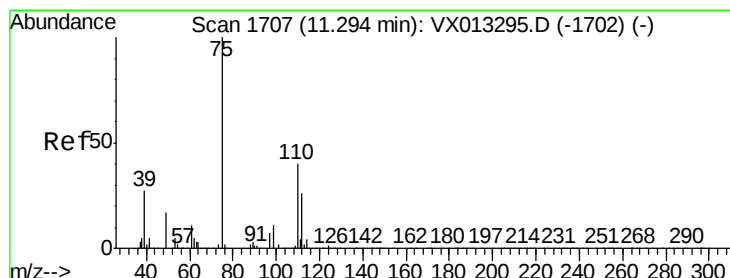
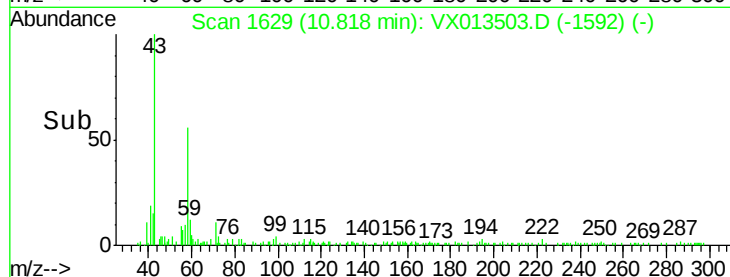
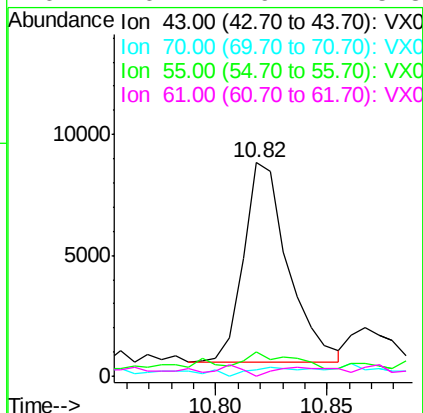
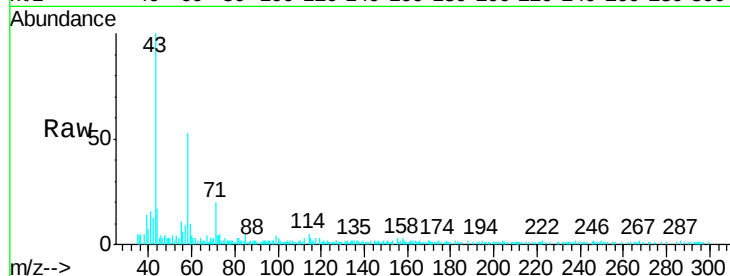
Instrument :

MSVOA_X

ClientSampleId :

600429836

Tgt Ion:	43	Resp:	11567
Ion	Ratio	Lower	Upper
43	100		
70	4.6	34.1	51.1#
55	11.1	18.9	28.3#
61	6.2	19.2	28.8#



#76

1,2,3-Trichloropropane

Concen: 23.541 ug/l

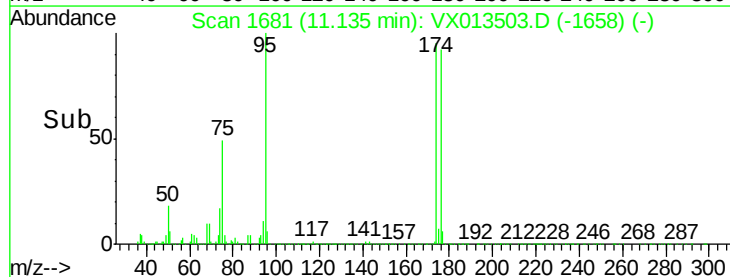
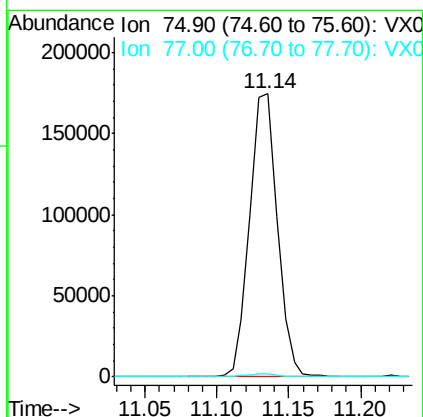
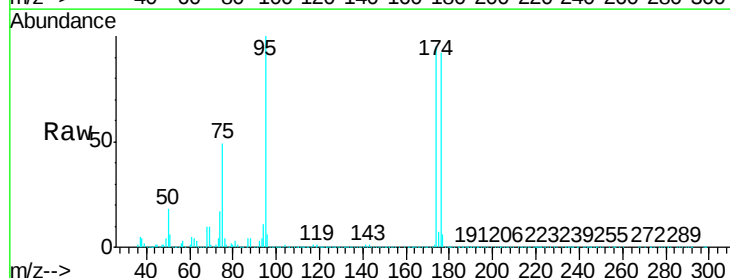
RT: 11.14 min Scan# 1681

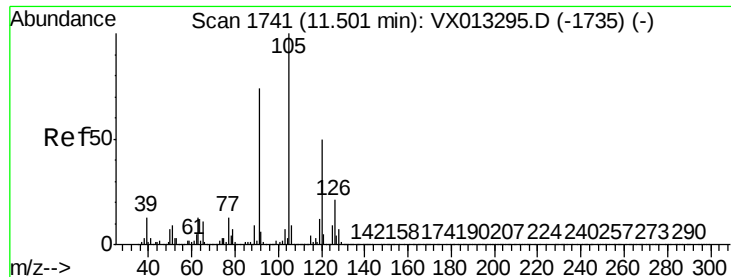
Delta R.T. -0.16 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

Tgt Ion:	75	Resp:	231947
Ion	Ratio	Lower	Upper
75	100		
77	1.2	22.3	66.8#

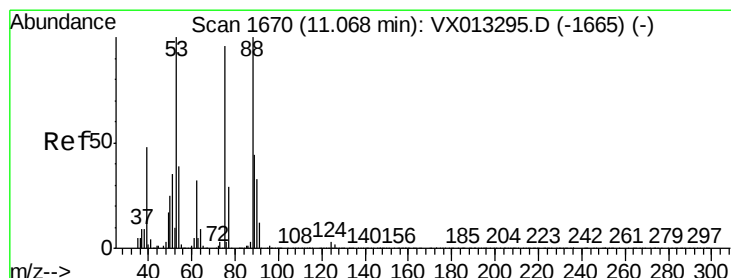
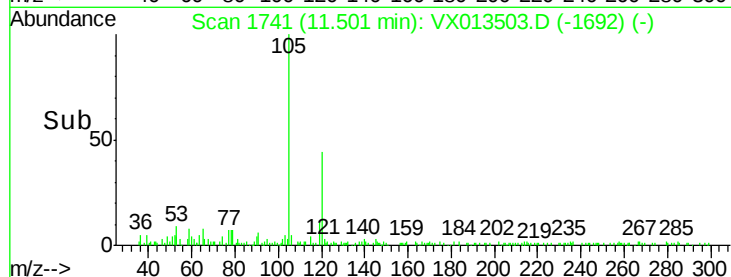
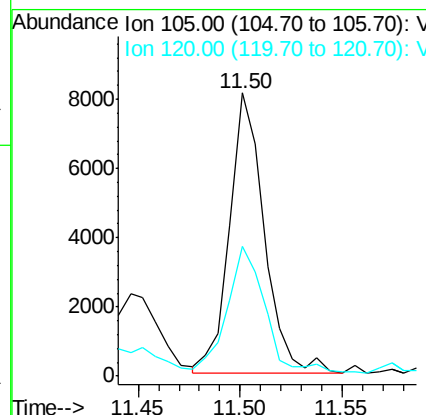
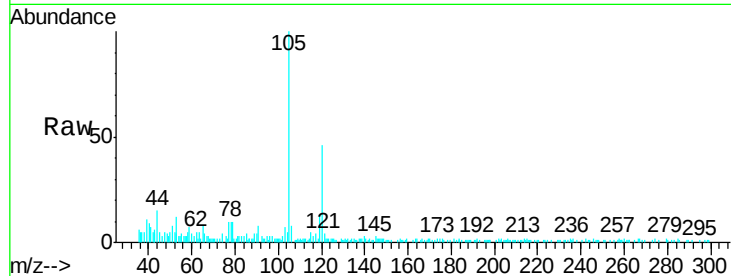




#80
 1,3,5-Trimethylbenzene
 Concen: 0.354 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013503.D
 Acq: 21 Nov 2019 15:13

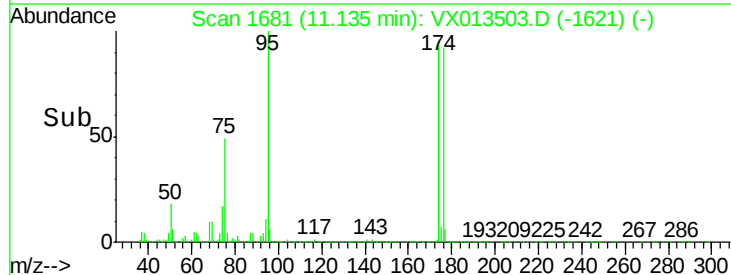
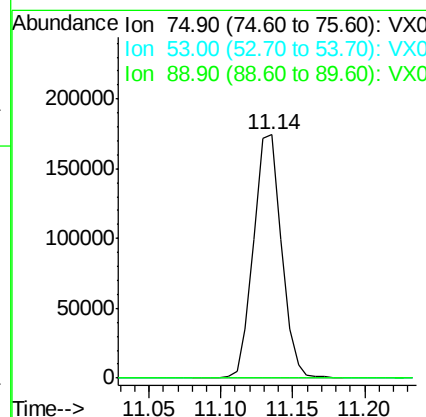
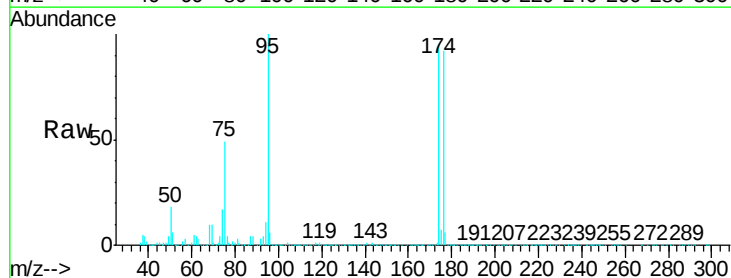
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 MSVOA_X
 ClientSampleId :
 600429836

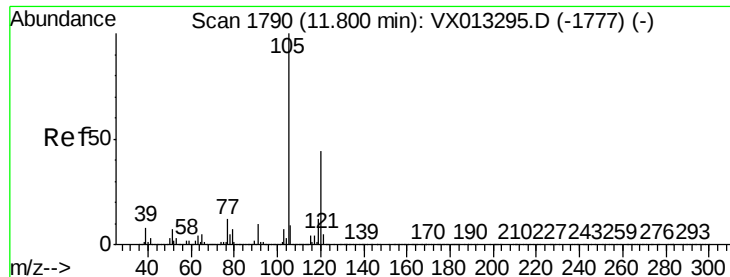
Tgt Ion: 105 Resp: 9487
 Ion Ratio Lower Upper
 105 100
 120 54.2 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.593 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX013503.D
 Acq: 21 Nov 2019 15:13

Tgt Ion: 75 Resp: 231947
 Ion Ratio Lower Upper
 75 100
 53 0.5 81.0 121.6#
 89 0.2 36.0 54.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.491 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

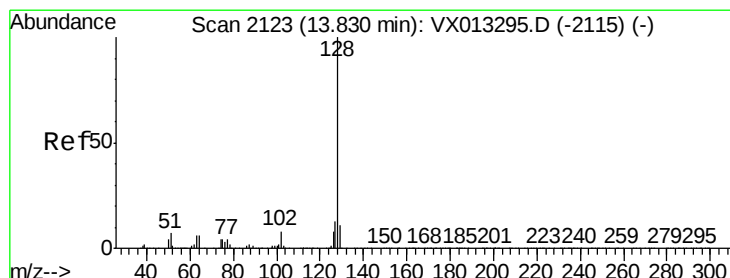
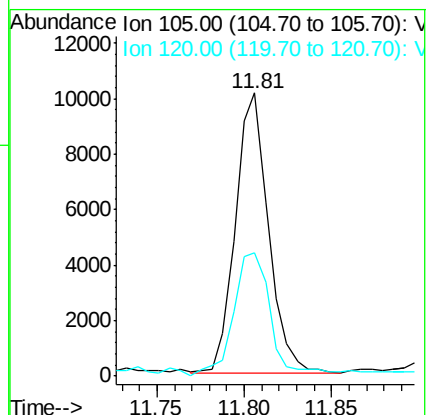
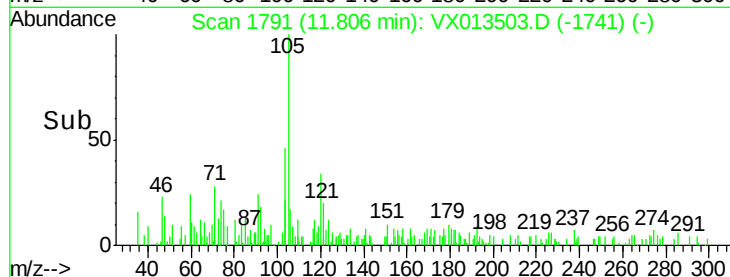
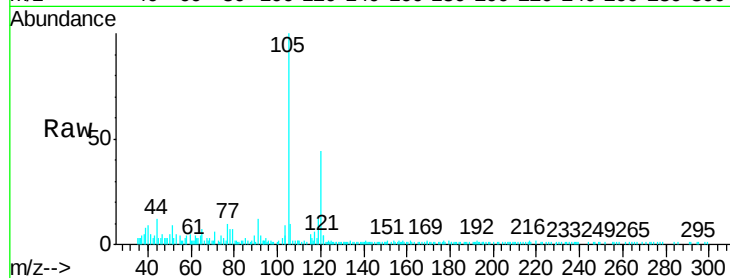
600429836

Tgt Ion:105 Resp: 13185

Ion Ratio Lower Upper

105 100

120 50.3 22.7 68.1



#95

Naphthalene

Concen: 0.473 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013503.D

Acq: 21 Nov 2019 15:13

Tgt Ion:128 Resp: 15803

Ion Ratio Lower Upper

128 100

127 14.7 10.2 15.2

129 12.6 8.5 12.7

