

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\
 Data File : VX013406.D
 Acq On : 13 Nov 2019 14:44
 Operator : JC/SP
 Sample : K5802-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 14 04:35:46 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	755736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1183949	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1046982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	466159	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	432165	48.27	ug/l	0.00
Spiked Amount						
			Recovery	=	96.54%	
35) Dibromofluoromethane	5.49	113	360879	48.60	ug/l	0.00
Spiked Amount						
			Recovery	=	97.20%	
50) Toluene-d8	8.71	98	1408712	50.32	ug/l	0.00
Spiked Amount						
			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.14	95	469849	46.50	ug/l	0.00
Spiked Amount						
			Recovery	=	93.00%	

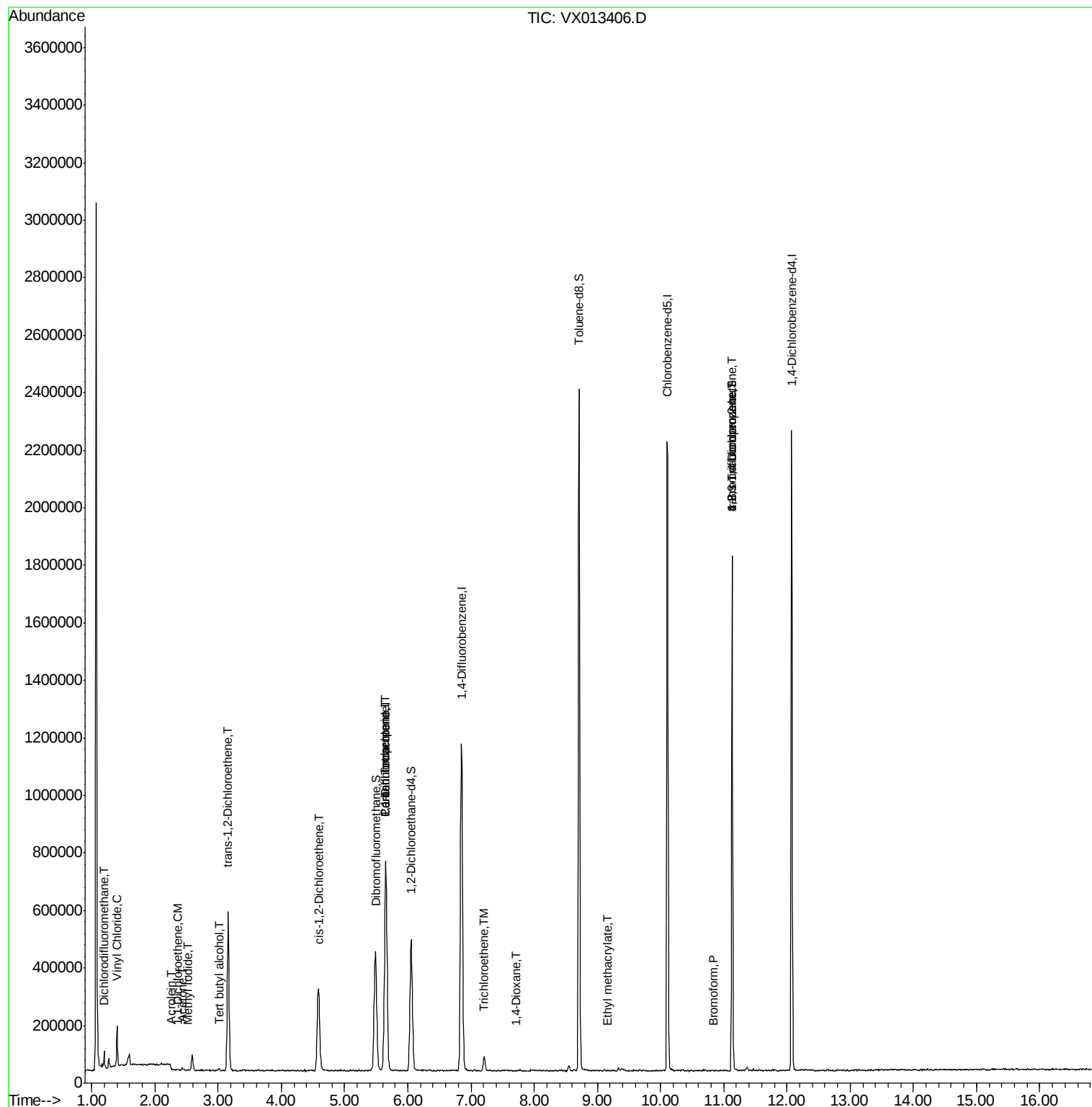
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	31395	3.605	ug/l	98
4) Vinyl Chloride	1.40	62	85211	7.926	ug/l	99
6) Chloroethane	1.75	64	585	Below Cal	#	44
10) Methyl Iodide	2.51	142	1905	0.217	ug/l #	78
11) Tert butyl alcohol	3.01	59	8400	3.560	ug/l	98
12) 1,1-Dichloroethene	2.36	96	1613	0.233	ug/l #	10
13) Acrolein	2.27	56	334	0.261	ug/l #	32
16) Acetone	2.43	43	9566	2.142	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	234567	31.077	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	190180	22.492	ug/l	90
36) 1,1-Dichloropropene	5.65	75	51515	5.072	ug/l #	50
38) Carbon Tetrachloride	5.65	117	64172	6.461	ug/l #	17
44) Trichloroethene	7.21	130	21143	2.428	ug/l	99
49) 1,4-Dioxane	7.73	88	210	0.940	ug/l #	1
56) Ethyl methacrylate	9.17	69	215	1.578	ug/l #	1
71) Bromoform	10.85	173	648	3.287	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	228873	24.173	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	228873	62.220	ug/l #	9

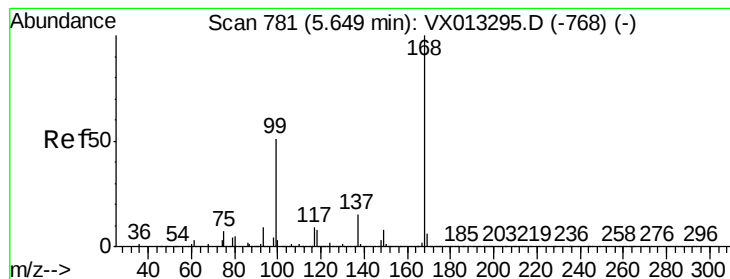
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA_X

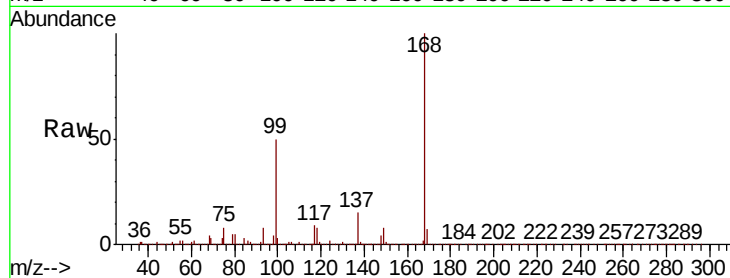
ClientSampleId :

Tot Ion:168 Resp: 755736

Ion Ratio Lower Upper

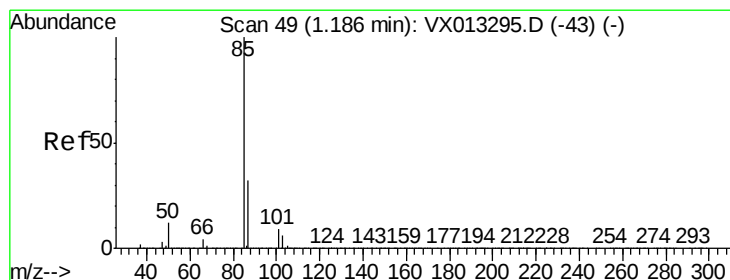
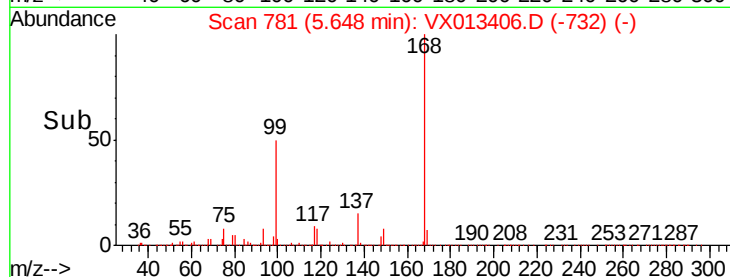
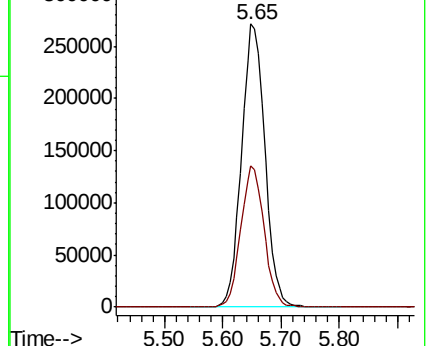
168 100

99 49.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 3.605 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013406.D

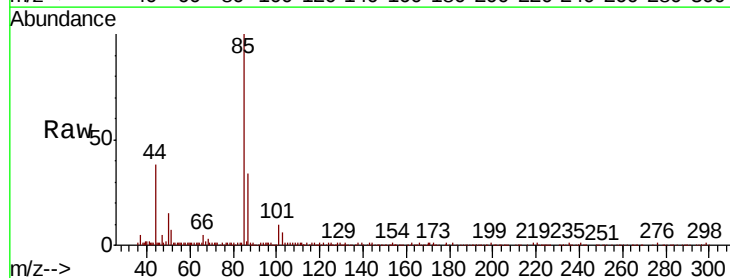
Acq: 13 Nov 2019 14:44

Tgt Ion: 85 Resp: 31395

Ion Ratio Lower Upper

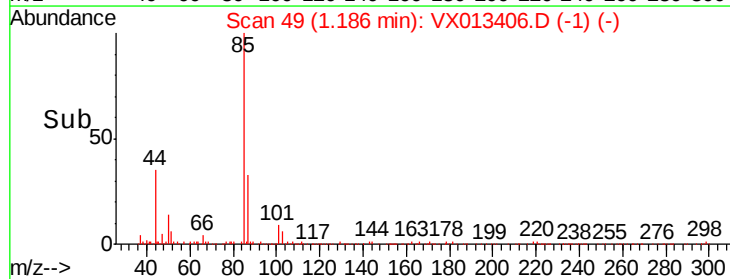
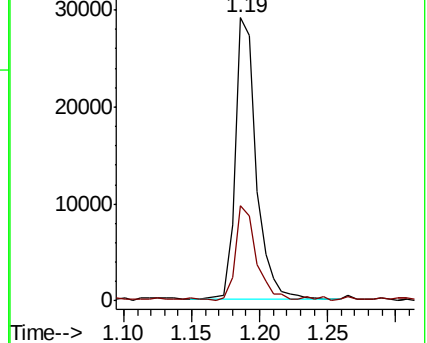
85 100

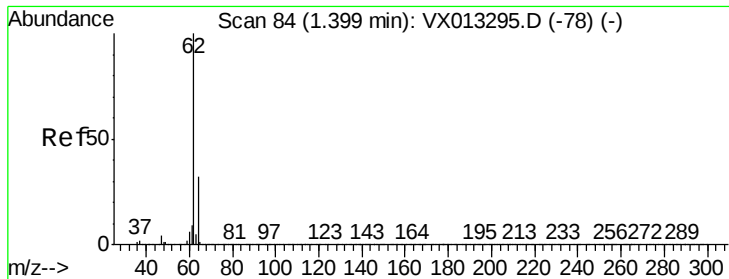
87 33.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 7.926 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA_X

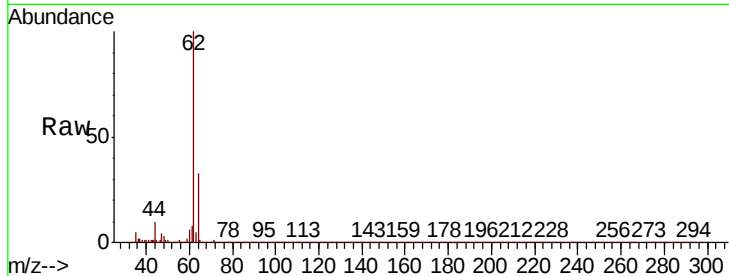
ClientSampleId :

Tot Ion: 62 Resp: 85211

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

80000

60000

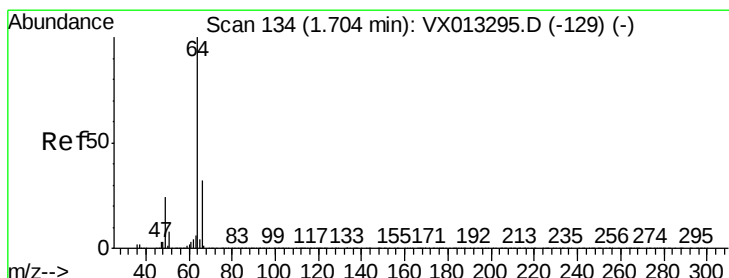
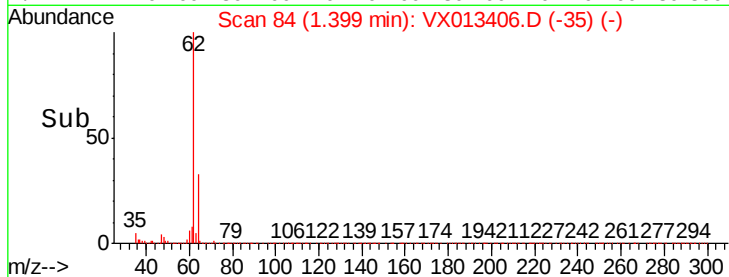
40000

20000

0

Time-->

1.35 1.40 1.45



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 142

Delta R.T. 0.05 min

Lab File: VX013406.D

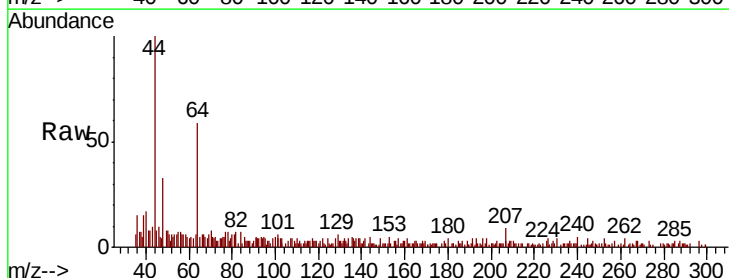
Acq: 13 Nov 2019 14:44

Tgt Ion: 64 Resp: 585

Ion Ratio Lower Upper

64 100

66 0.6 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

3000

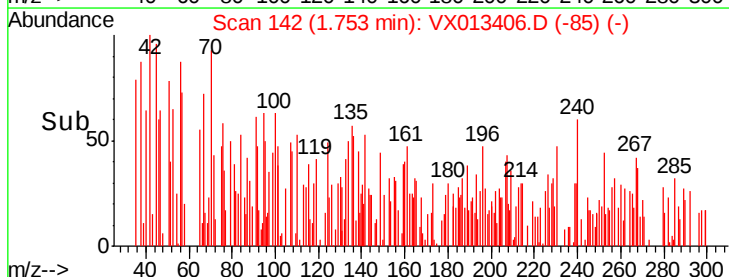
2000

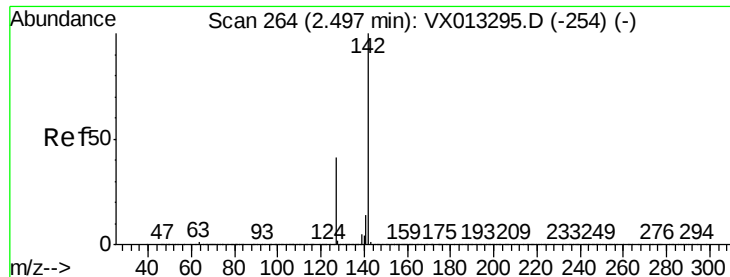
1000

0

Time-->

1.74 1.75 1.76 1.77

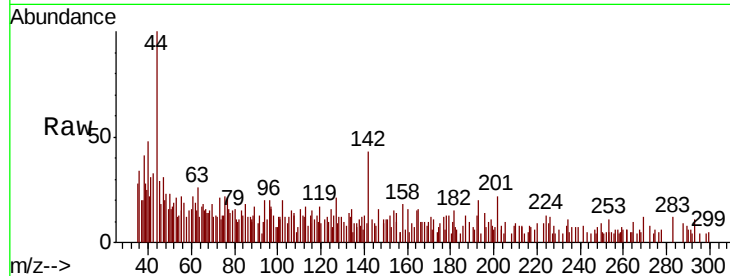




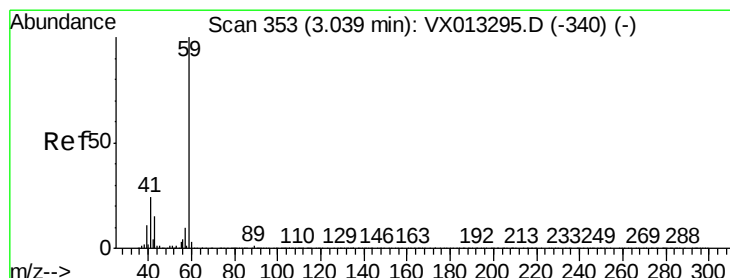
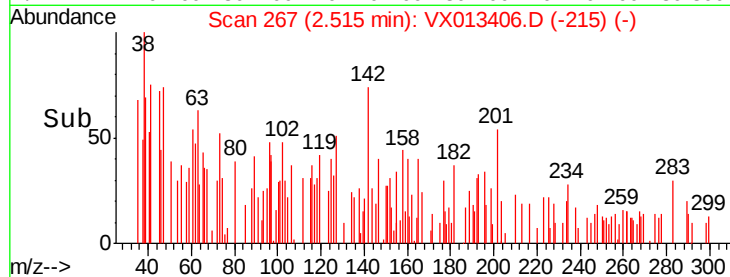
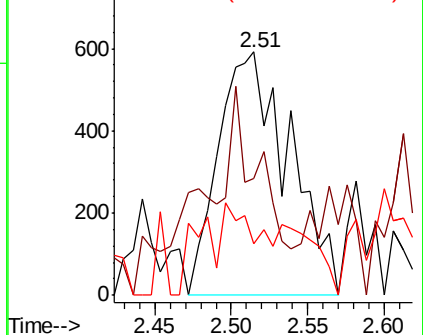
#10
Methvl Iodide
Concen: 0.217 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX013406.D
Acq: 13 Nov 2019 14:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 1905
Ion Ratio Lower Upper
142 100
127 23.6 32.6 49.0#
141 11.8 11.6 17.4

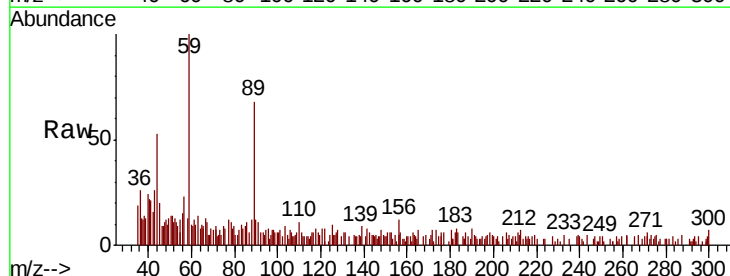


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

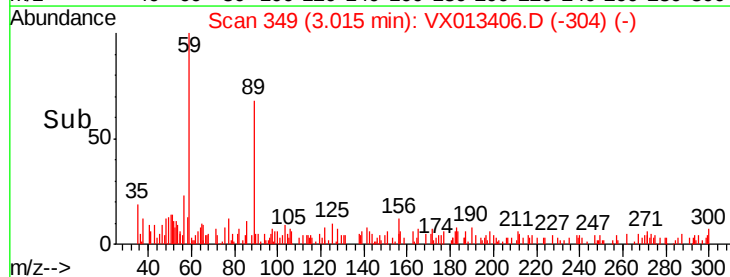
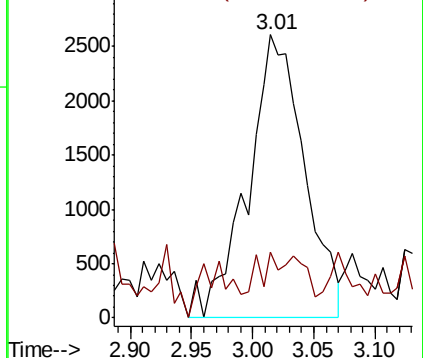


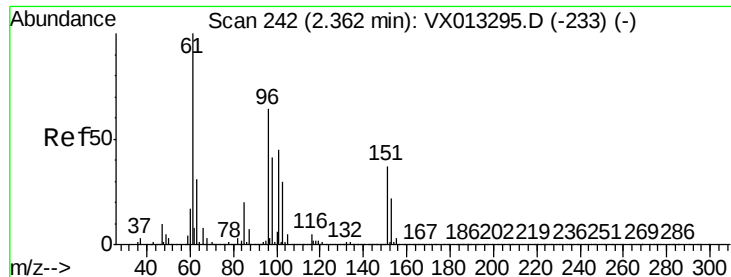
#11
Tert butyl alcohol
Concen: 3.560 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013406.D
Acq: 13 Nov 2019 14:44

Tgt Ion: 59 Resp: 8400
Ion Ratio Lower Upper
59 100
57 10.8 8.0 12.0



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

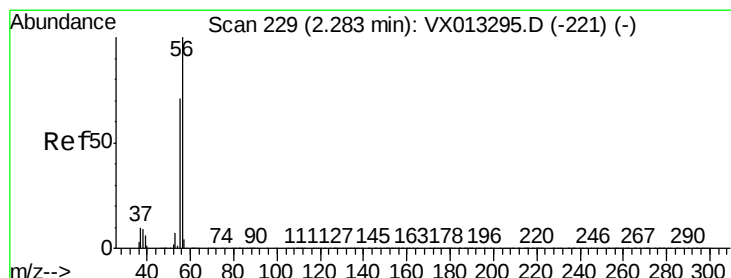
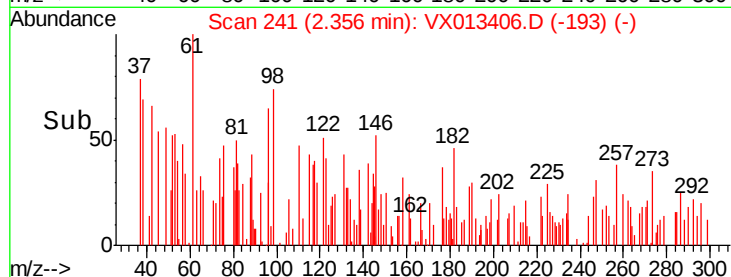
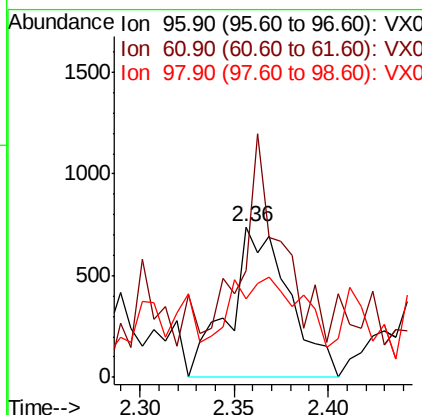
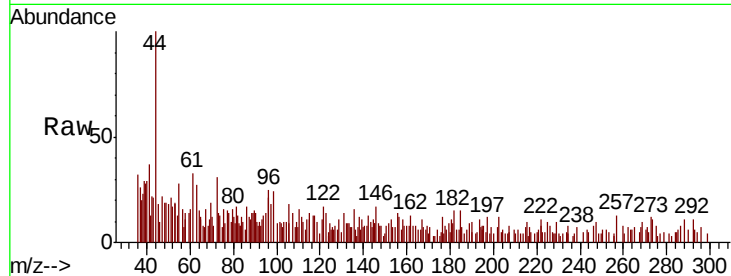




#12
 1,1-Dichloroethene
 Concen: 0.233 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX013406.D
 Acq: 13 Nov 2019 14:44

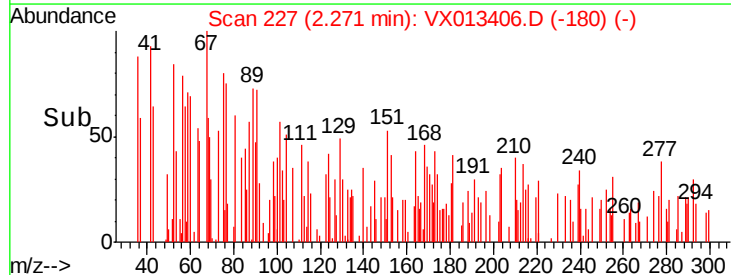
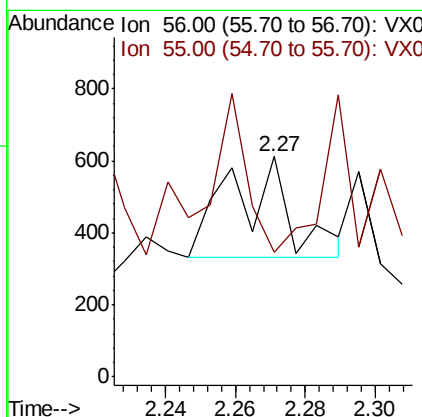
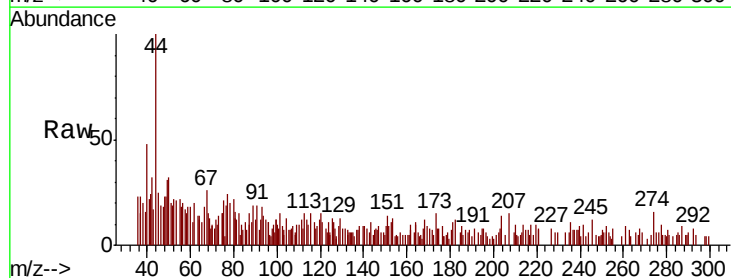
Instrument :
 MSVOA_X
 ClientSampled :

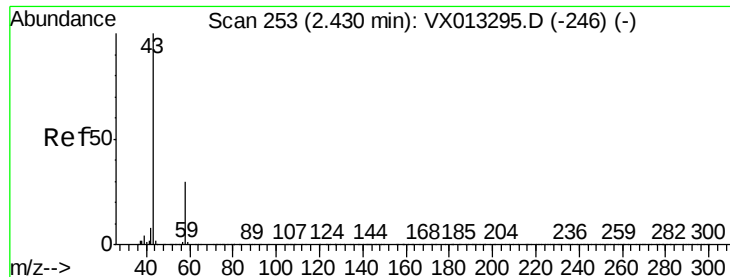
Tot Ion: 96 Resp: 1613
 Ion Ratio Lower Upper
 96 100
 61 16.6 125.0 187.6#
 98 27.2 50.7 76.1#



#13
 Acrolein
 Concen: 0.261 ug/l
 RT: 2.27 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VX013406.D
 Acq: 13 Nov 2019 14:44

Tgt Ion: 56 Resp: 334
 Ion Ratio Lower Upper
 56 100
 55 128.4 57.4 86.0#

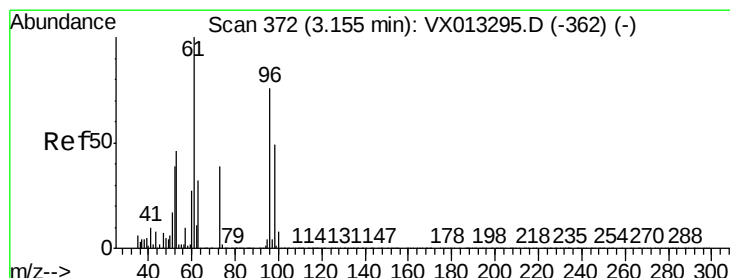
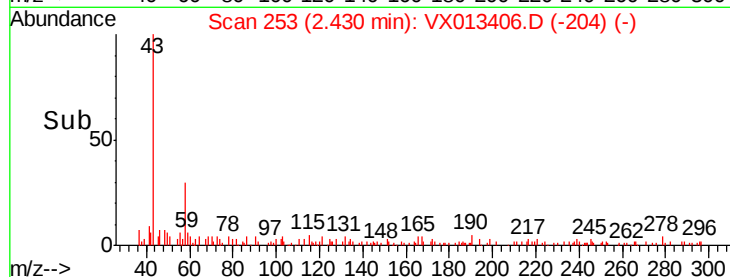
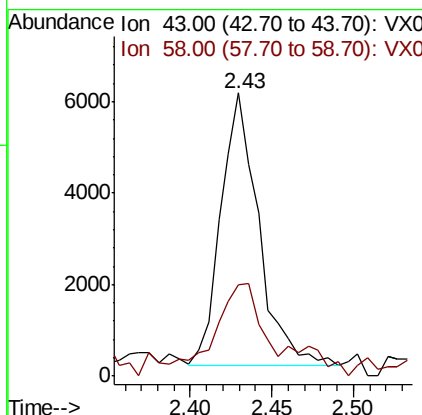
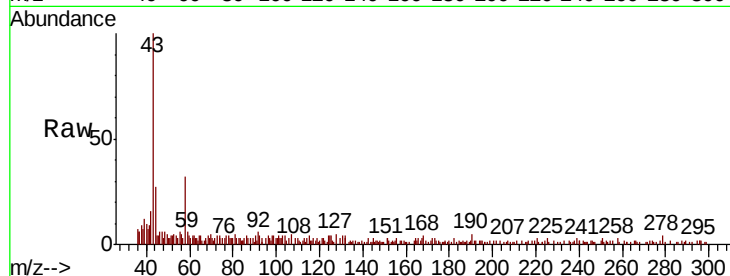




#16
Acetone
Concen: 2.142 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013406.D
Acq: 13 Nov 2019 14:44

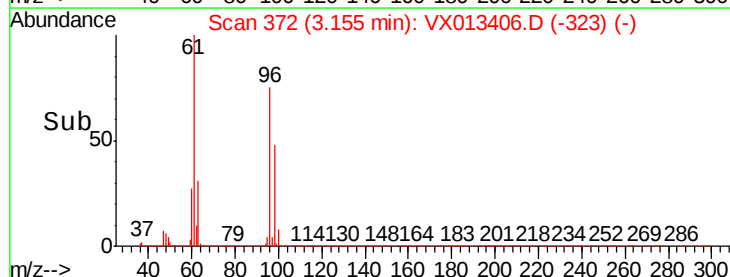
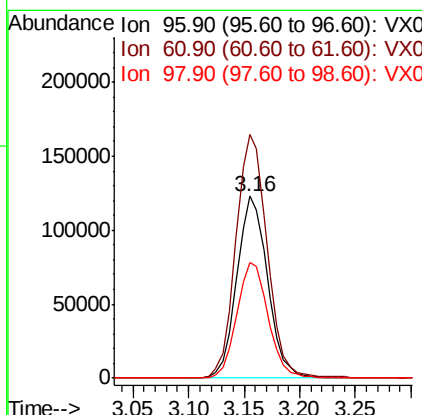
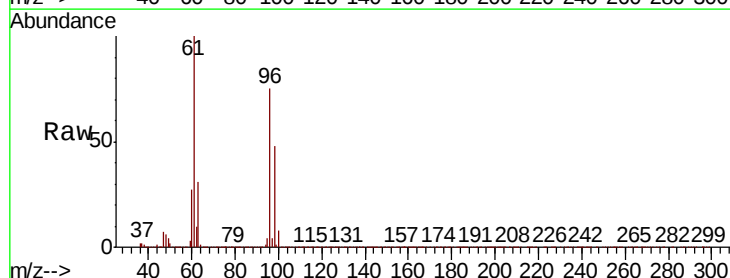
Instrument :
MSVOA_X
ClientSampleId :

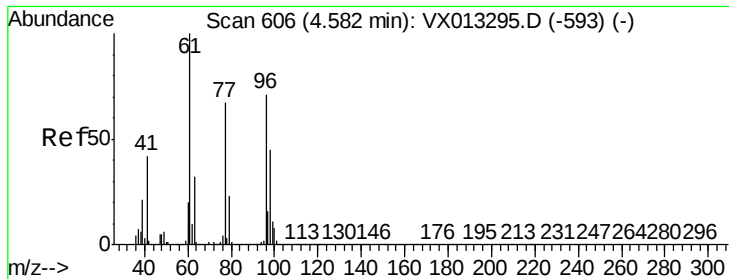
Tot Ion: 43 Resp: 9566
Ion Ratio Lower Upper
43 100
58 27.9 24.3 36.5



#21
trans-1,2-Dichloroethene
Concen: 31.077 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX013406.D
Acq: 13 Nov 2019 14:44

Tgt Ion: 96 Resp: 234567
Ion Ratio Lower Upper
96 100
61 133.9 105.8 158.6
98 63.7 51.8 77.6



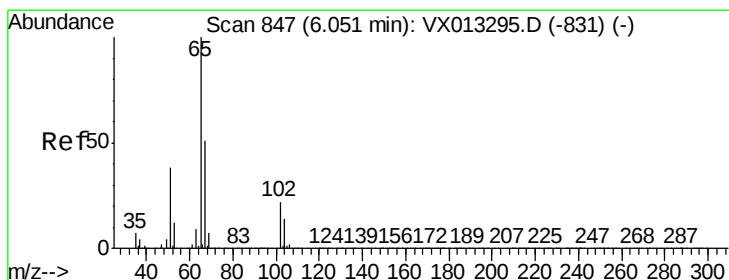
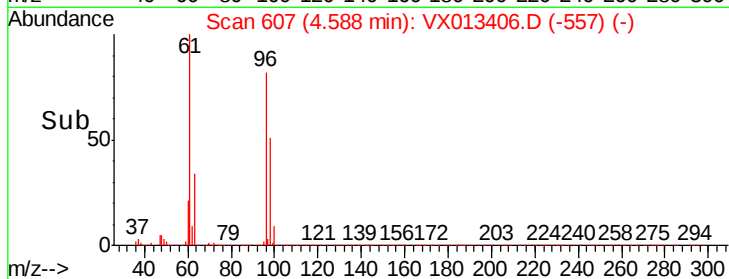
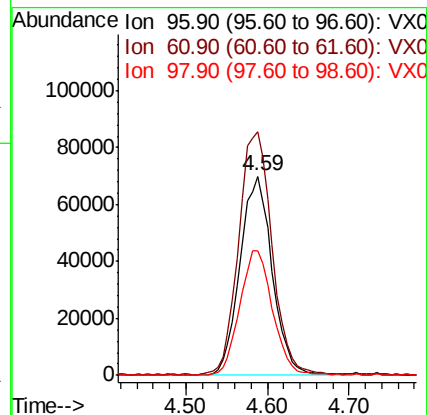
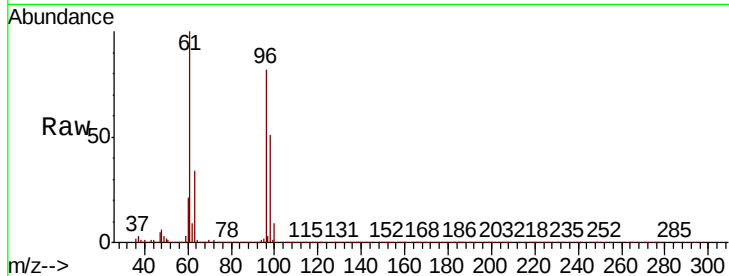


#27

cis-1,2-Dichloroethene
Concen: 22.492 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013406.D
Acq: 13 Nov 2019 14:44

Instrument :
MSVOA_X
ClientSampled :

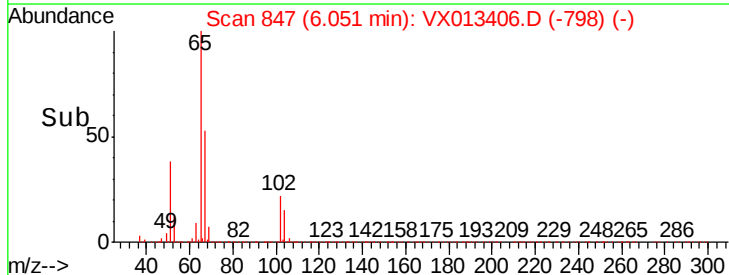
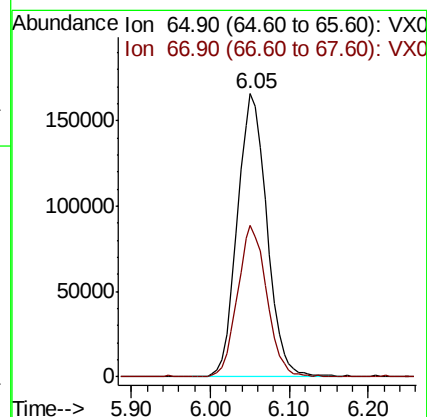
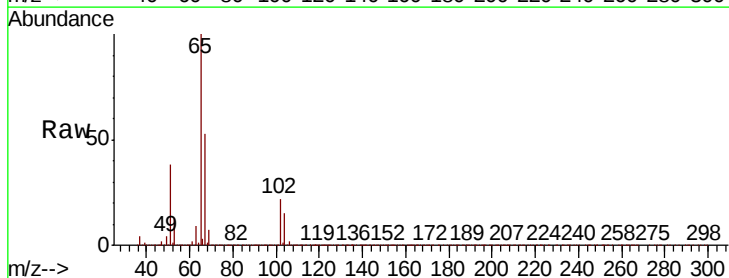
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.9	0.0	288.0
98	63.9	0.0	129.6

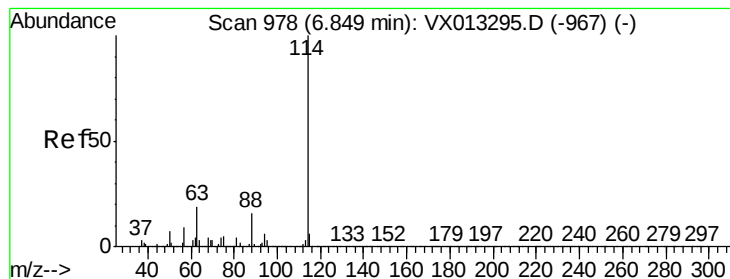


#33

1,2-Dichloroethane-d4
Concen: 48.269 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013406.D
Acq: 13 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

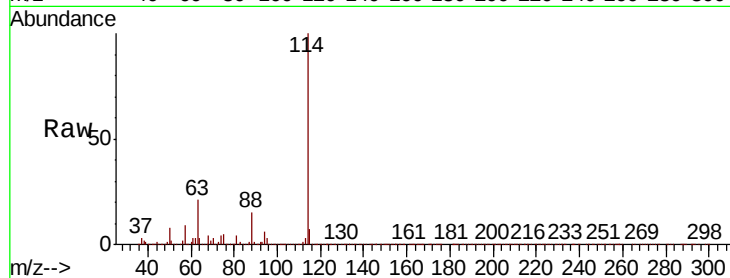
Tot Ion:114 Resp: 1183949

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.4

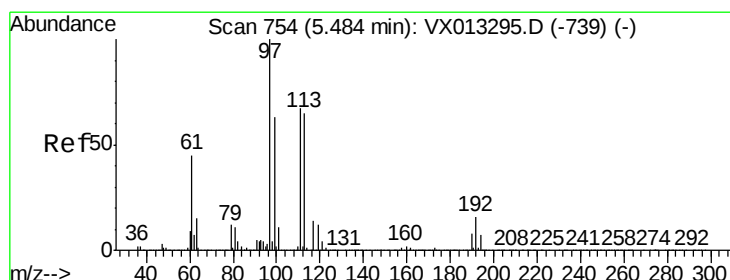
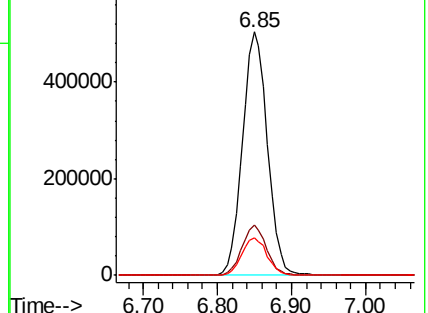
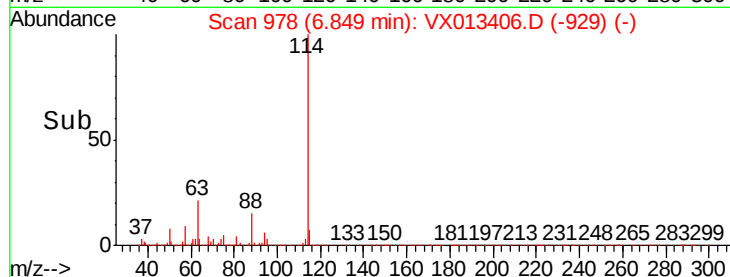
88 15.4 0.0 32.2



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: 48.597 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

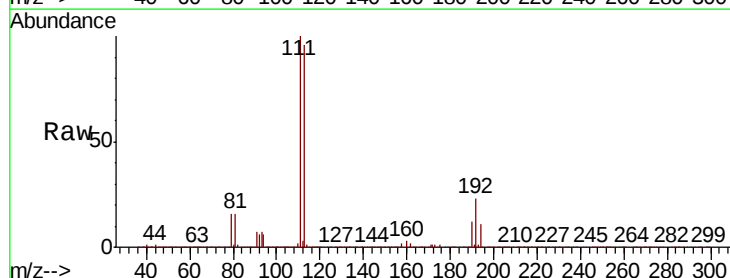
Tgt Ion:113 Resp: 360879

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

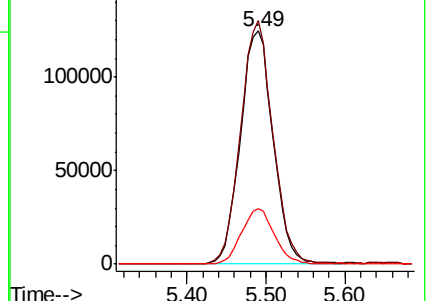
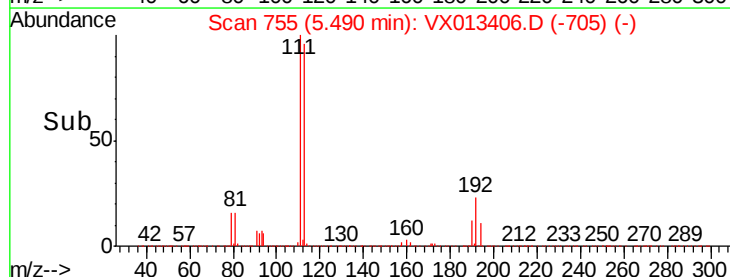
192 23.5 19.1 28.7

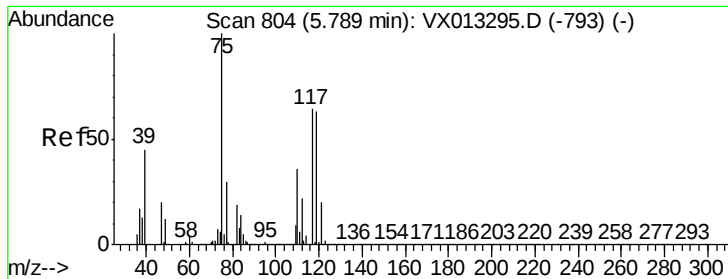


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.072 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013406.D

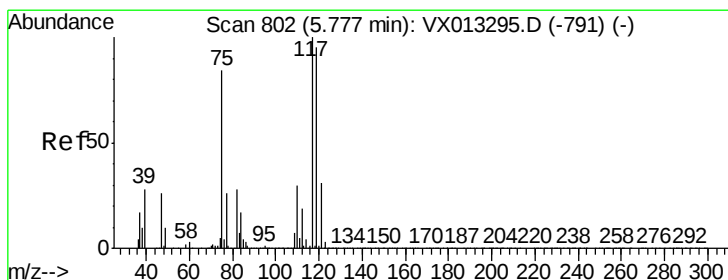
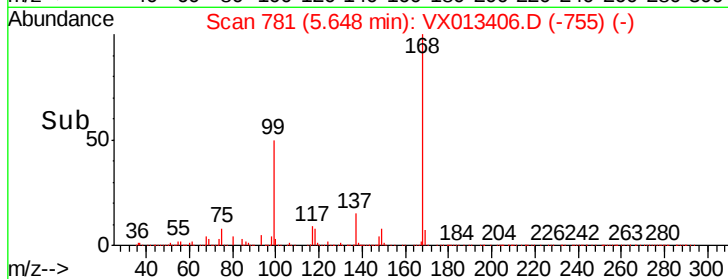
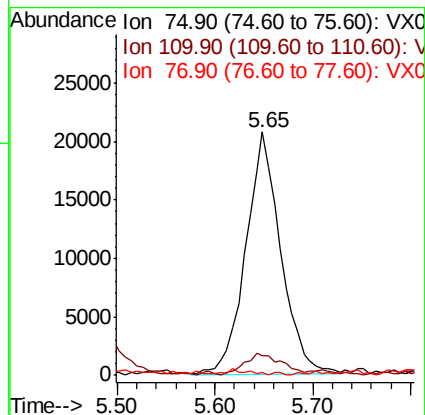
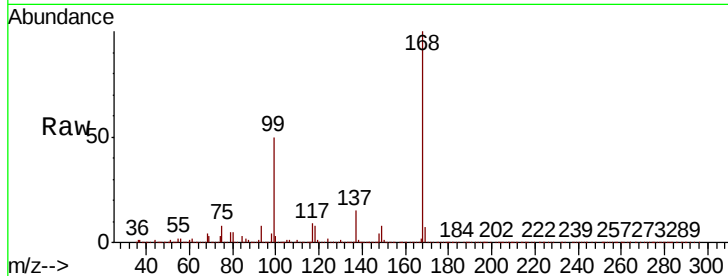
Acq: 13 Nov 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	75	Resp:	51515
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.1#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.461 ug/l

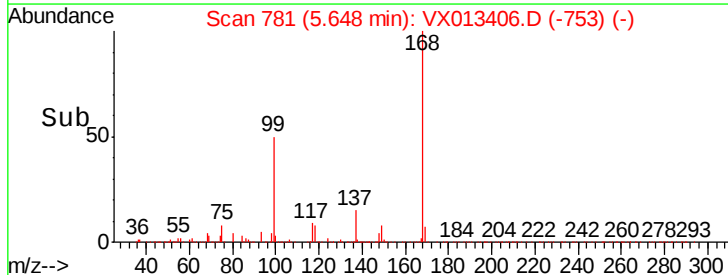
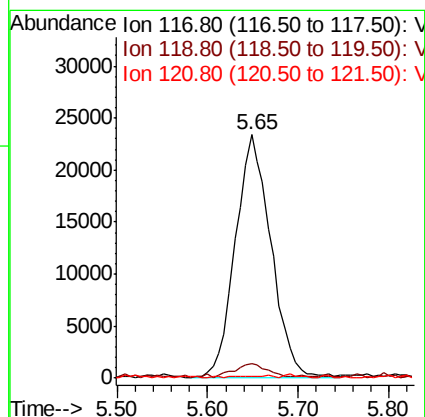
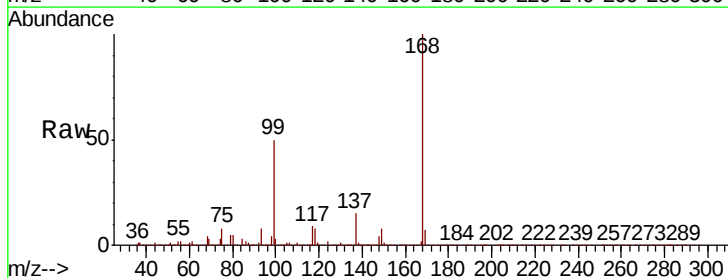
RT: 5.65 min Scan# 781

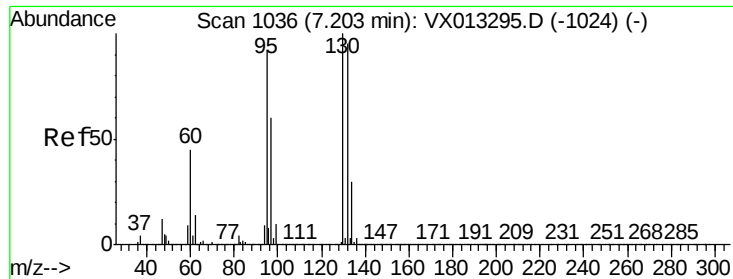
Delta R.T. -0.13 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Tgt Ion:	117	Resp:	64172
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.1	114.1#
121	0.2	24.6	37.0#





#44

Trichloroethene

Concen: 2.428 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA_X

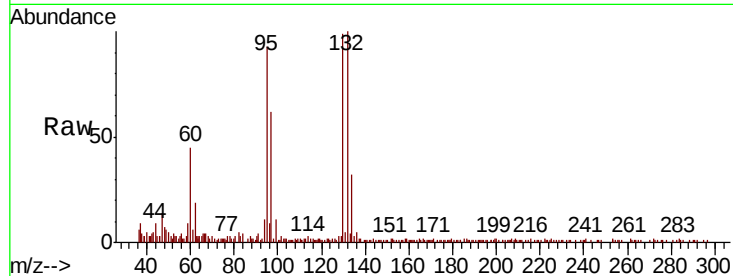
ClientSampled :

Tot Ion:130 Resp: 21143

Ion Ratio Lower Upper

130 100

95 93.3 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

10000

8000

6000

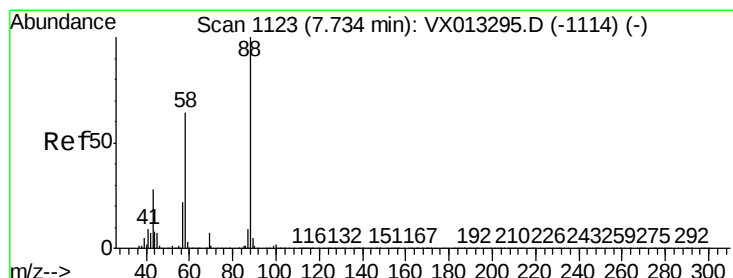
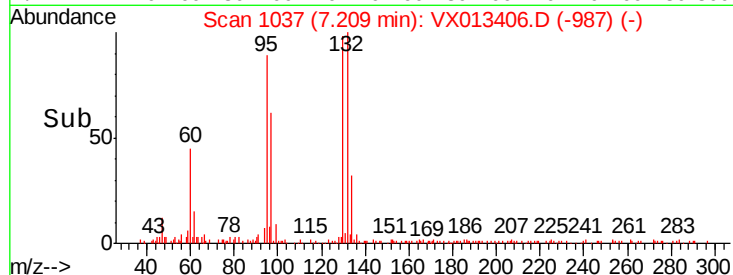
4000

2000

0

Time-->

7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 0.940 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

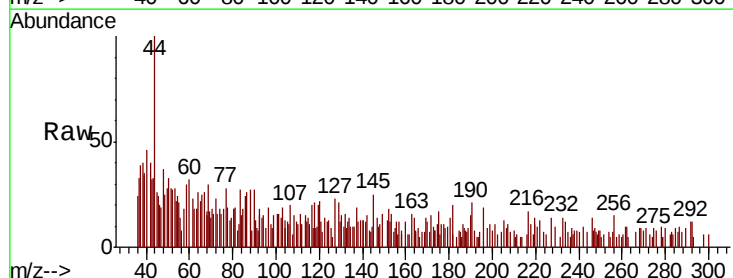
Tgt Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

43 412.4 26.6 39.8#

58 0.0 55.0 82.6#



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

1000

800

600

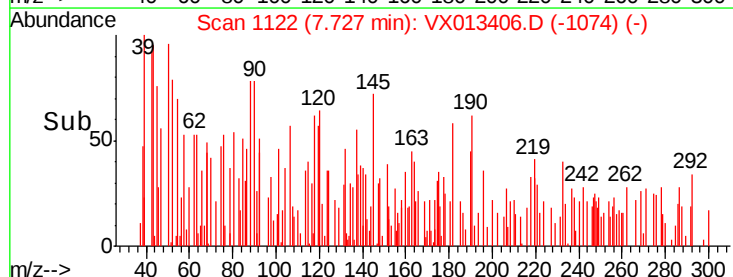
400

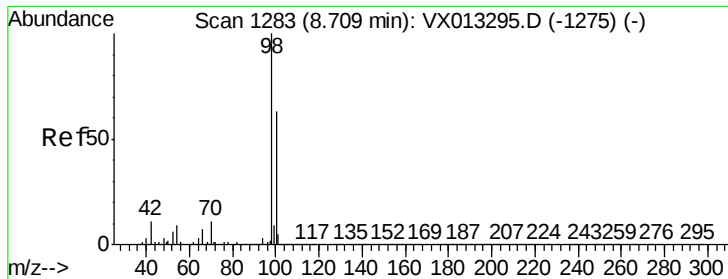
200

0

Time-->

7.71 7.72 7.73 7.74

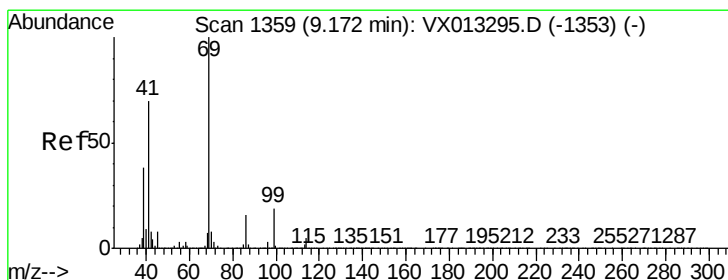
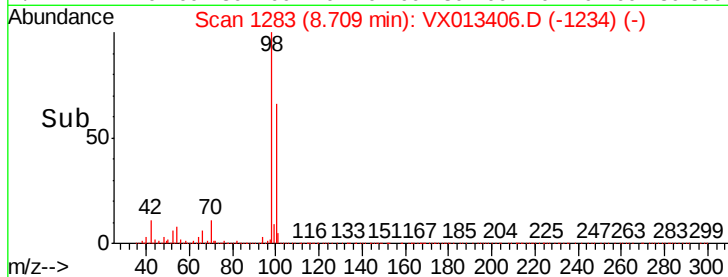
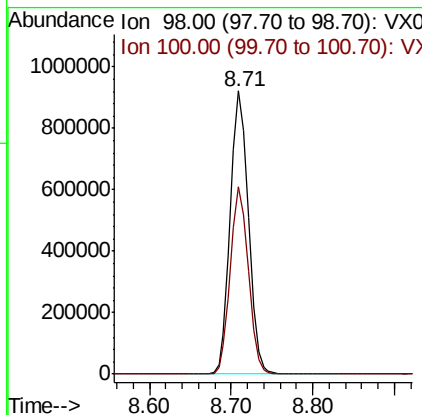
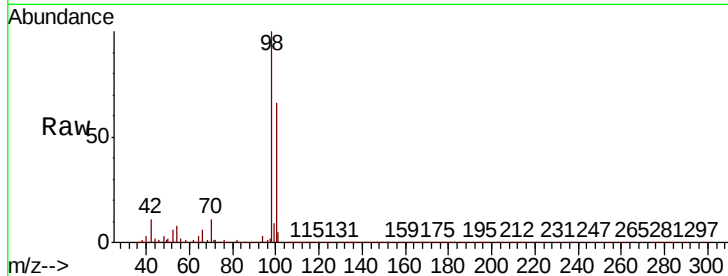




#50
Toluene-d8
Concen: 50.321 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013406.D
Acq: 13 Nov 2019 14:44

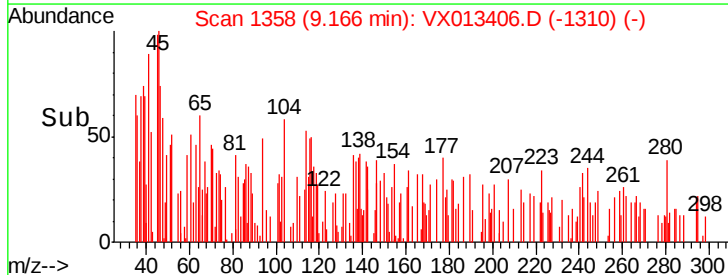
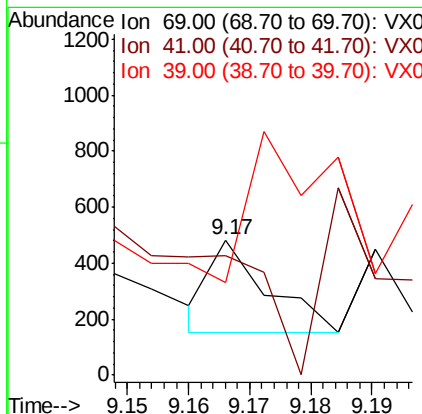
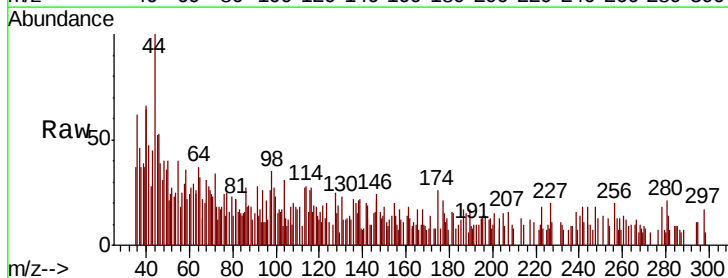
Instrument :
MSVOA_X
ClientSampleId :

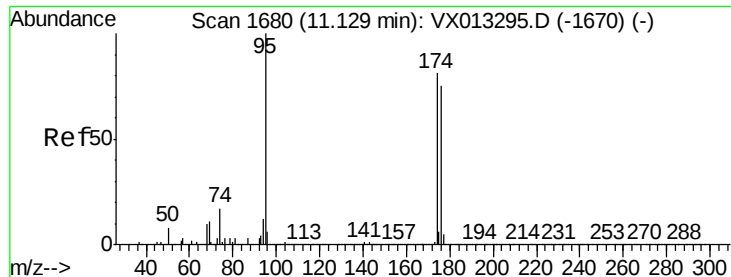
Tot Ion: 98 Resp: 1408712
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.578 ug/l
RT: 9.17 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VX013406.D
Acq: 13 Nov 2019 14:44

Tgt Ion: 69 Resp: 215
Ion Ratio Lower Upper
69 100
41 0.0 56.2 84.2#
39 555.3 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 46.504 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA_X

ClientSampled :

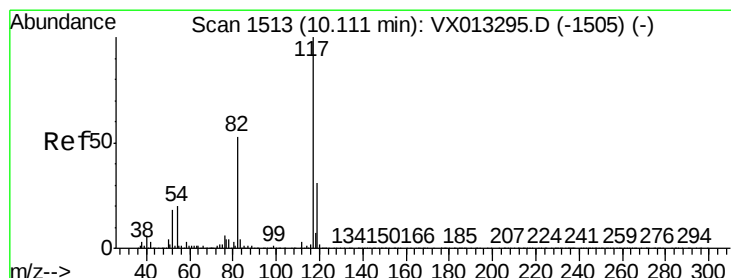
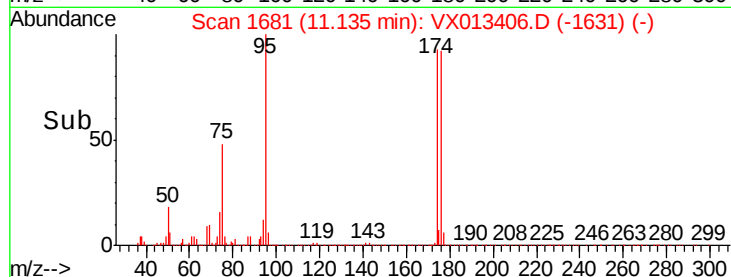
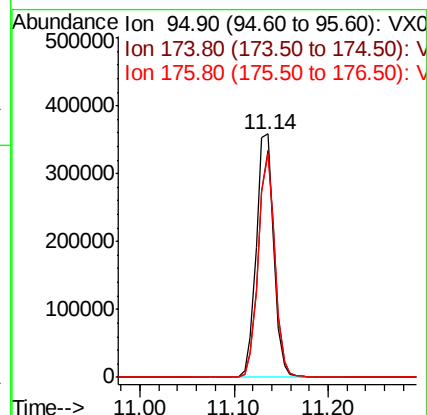
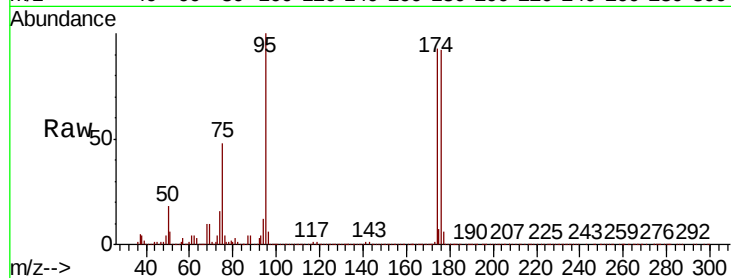
Tot Ion: 95 Resp: 469849

Ion Ratio Lower Upper

95 100

174 88.6 0.0 179.8

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: VX013406.D

Acq: 13 Nov 2019 14:44

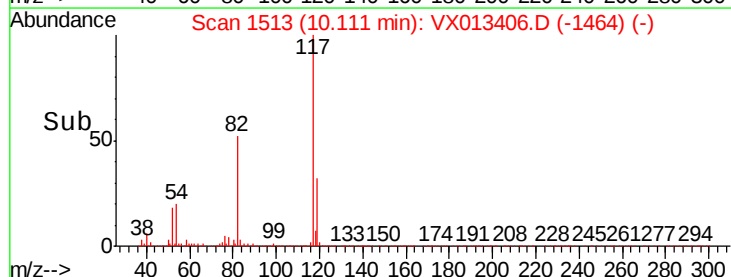
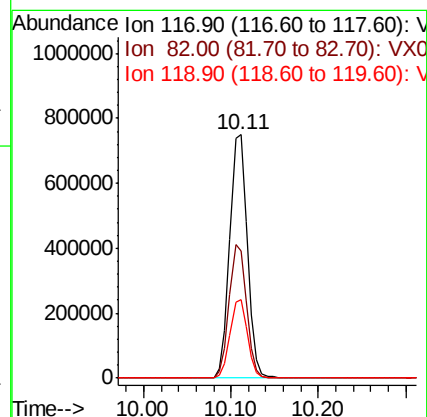
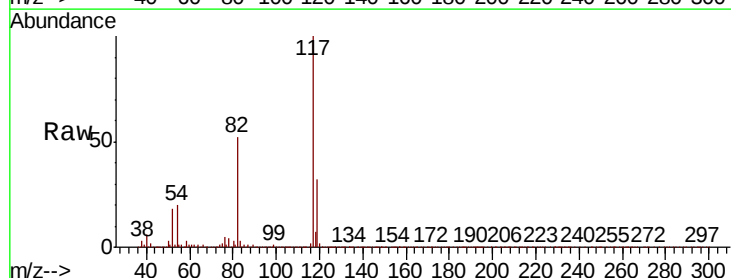
Tgt Ion: 117 Resp: 1046982

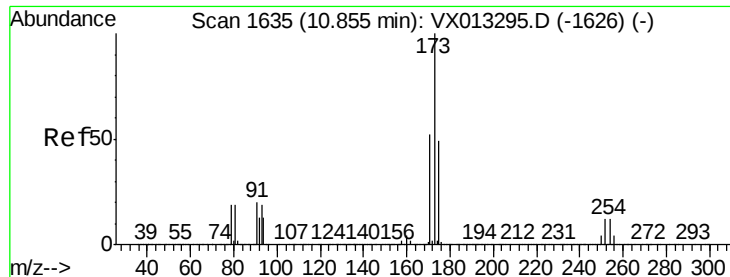
Ion Ratio Lower Upper

117 100

82 52.0 42.6 64.0

119 32.2 24.8 37.2





#71

Bromoform

Concen: 3.287 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA_X

ClientSampled :

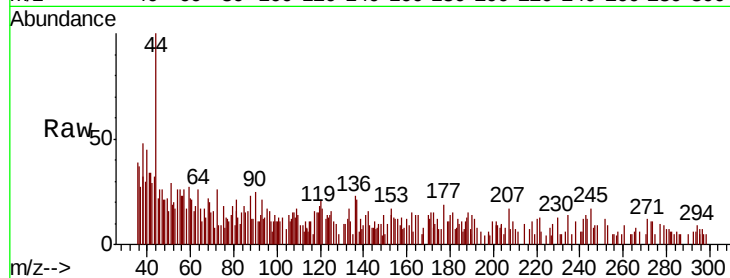
Tot Ion:173 Resp: 648

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

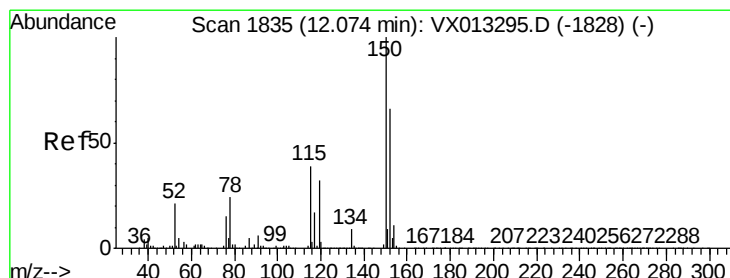
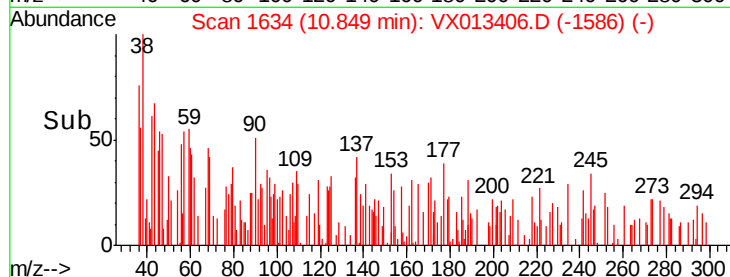
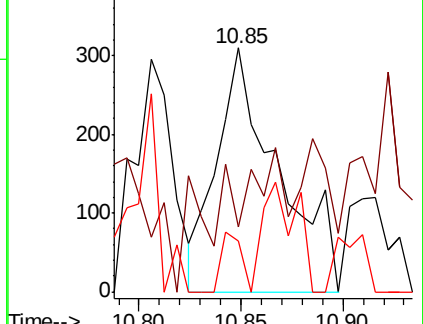
254 33.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

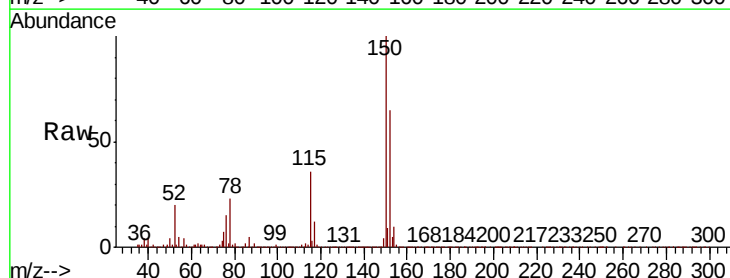
Tgt Ion:152 Resp: 466159

Ion Ratio Lower Upper

152 100

115 57.2 39.5 118.3

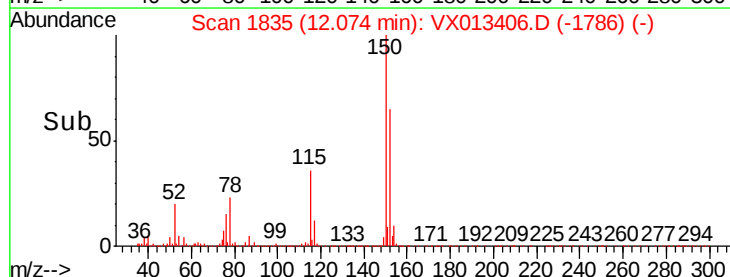
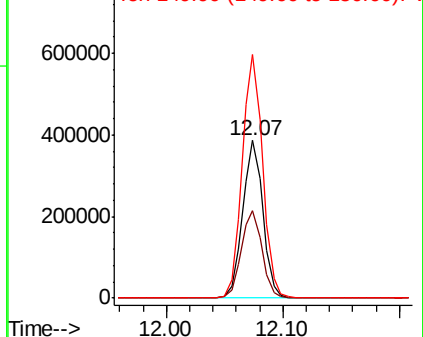
150 156.9 0.0 344.4

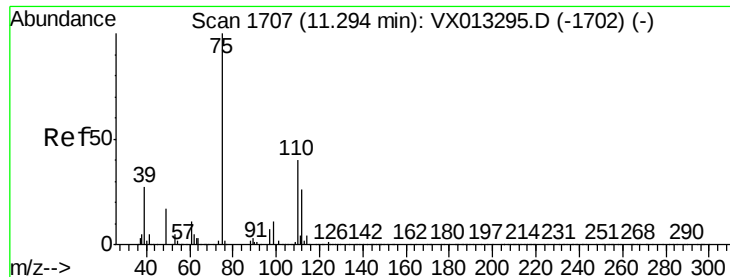


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.173 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Instrument :

MSVOA_X

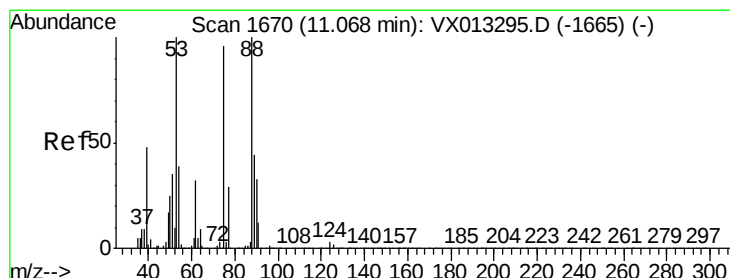
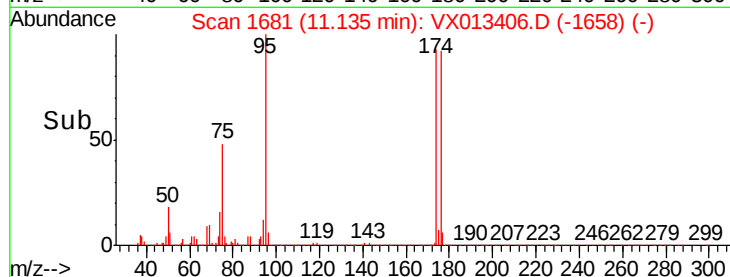
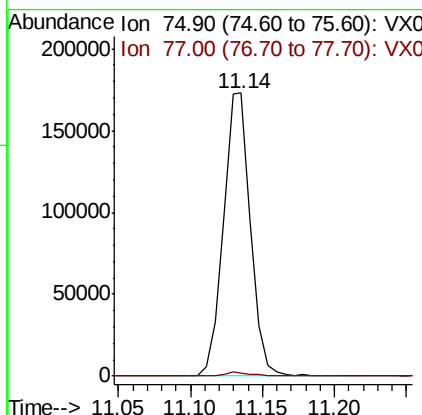
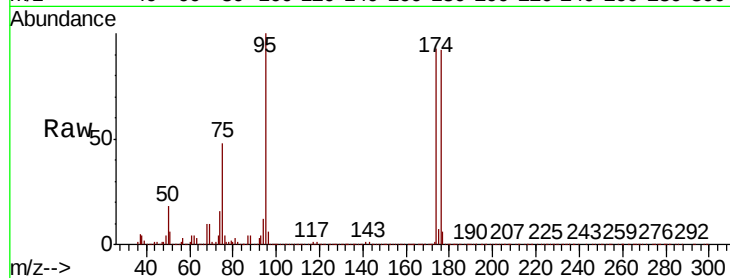
ClientSampleId :

Tot Ion: 75 Resp: 228873

Ion Ratio Lower Upper

75 100

77 1.3 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.220 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013406.D

Acq: 13 Nov 2019 14:44

Tgt Ion: 75 Resp: 228873

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.2 36.0 54.0#

