

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111219\
 Data File : VX013383.D
 Acq On : 12 Nov 2019 14:22
 Operator : JC/SP
 Sample : VX1112WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBL02

Quant Time: Nov 13 02:39:41 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	738307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1156293	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1020184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	454126	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	414549	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
35) Dibromofluoromethane	5.48	113	350131	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	8.71	98	1369338	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	11.13	95	452718	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	

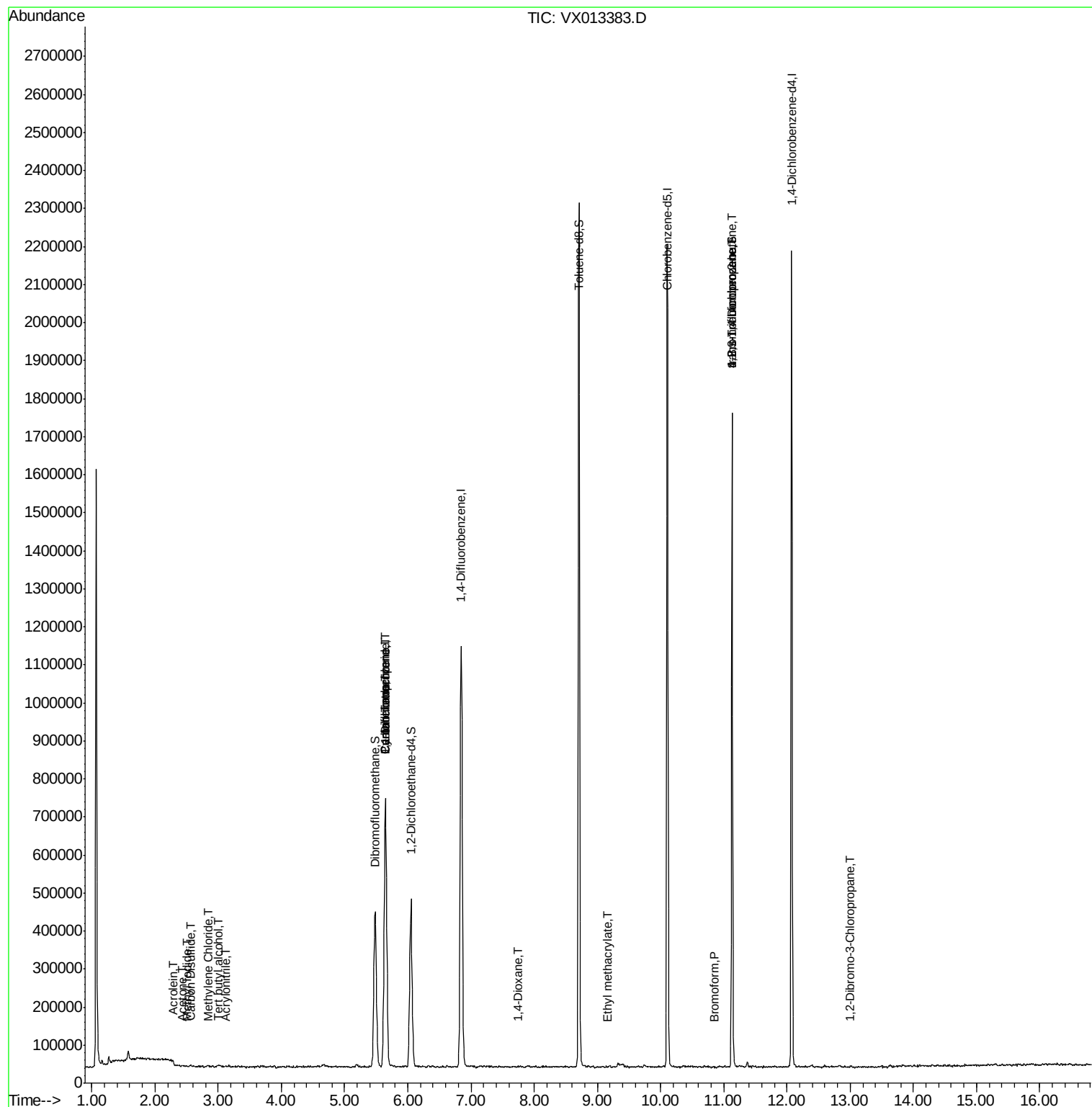
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	1620	Below Cal	#	54
10) Methyl Iodide	2.50	142	2017	0.236	ug/l #	47
11) Tert butyl alcohol	3.01	59	5150	2.234	ug/l #	94
13) Acrolein	2.28	56	852	0.682	ug/l #	67
15) Acrylonitrile	3.12	53	2358	0.548	ug/l #	46
16) Acetone	2.44	43	2062	0.473	ug/l	93
17) Carbon Disulfide	2.56	76	4636	0.256	ug/l #	76
20) Methylene Chloride	2.85	84	2324	0.288	ug/l #	49
31) Cyclohexane	5.64	56	12736	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	48071	4.846	ug/l #	48
38) Carbon Tetrachloride	5.65	117	65862	6.790	ug/l #	15
49) 1,4-Dioxane	7.74	88	715	3.277	ug/l #	1
56) Ethyl methacrylate	9.15	69	256	1.581	ug/l #	1
71) Bromoform	10.85	173	137	3.221	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	226510	24.557	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	226510	63.209	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	13.01	75	556	0.208	ug/l	64

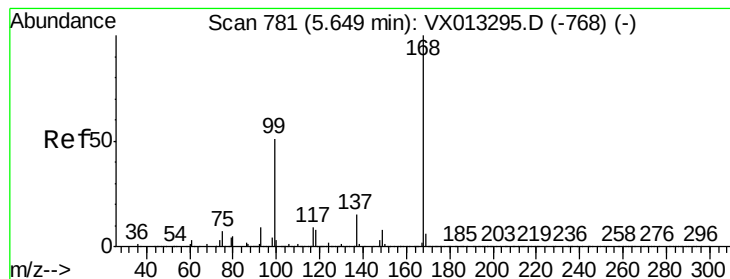
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013383.D

Acq: 12 Nov 2019 14:22

Instrument :

MSVOA_X

ClientSampleId :

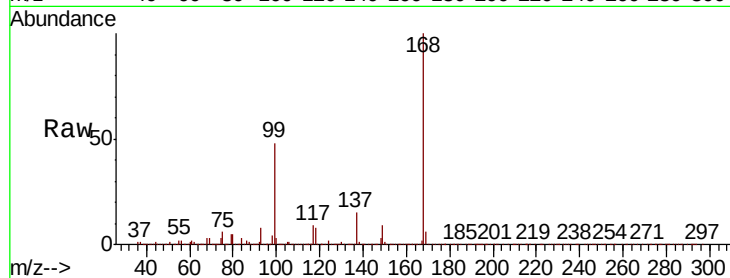
VX1112WBL02

Tot Ion:168 Resp: 738307

Ion Ratio Lower Upper

168 100

99 48.1 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

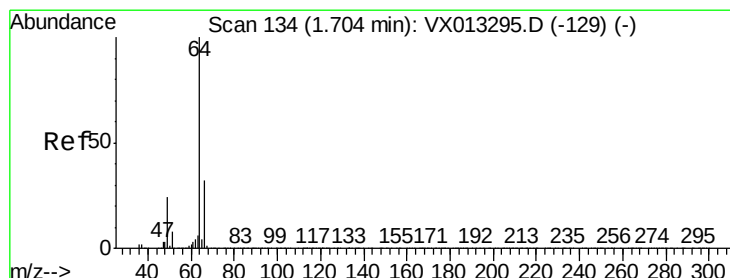
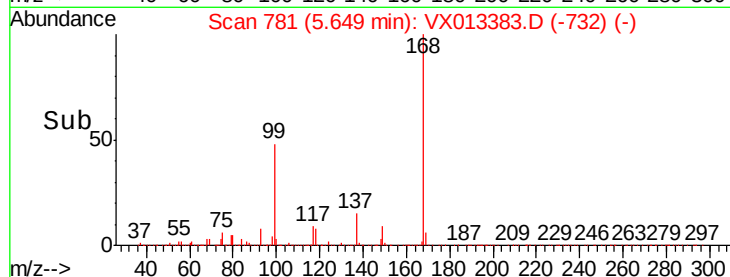
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX013383.D

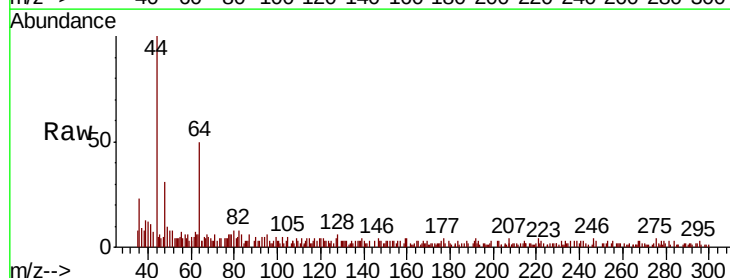
Acq: 12 Nov 2019 14:22

Tgt Ion: 64 Resp: 1620

Ion Ratio Lower Upper

64 100

66 6.6 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

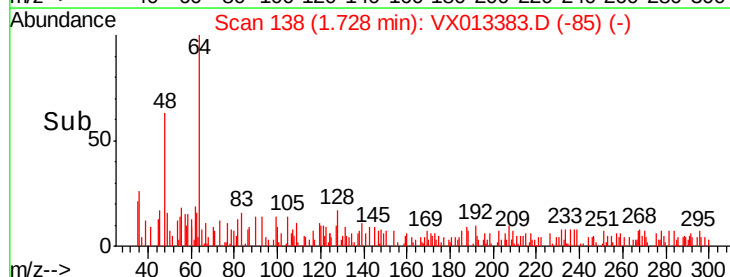
3000

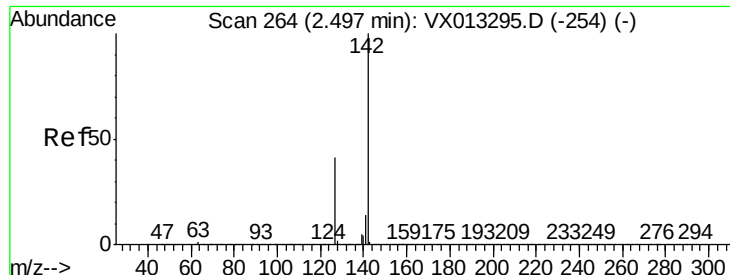
2000

1000

0

Time-->

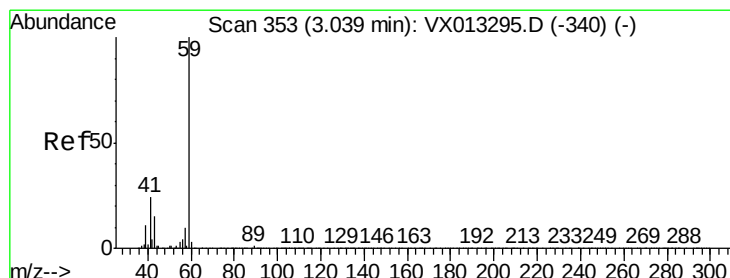
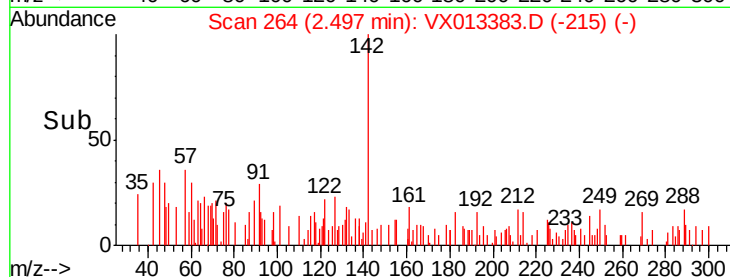
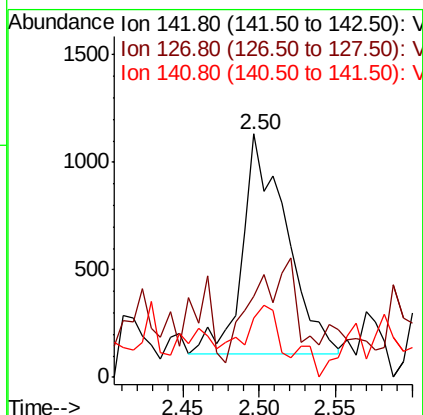
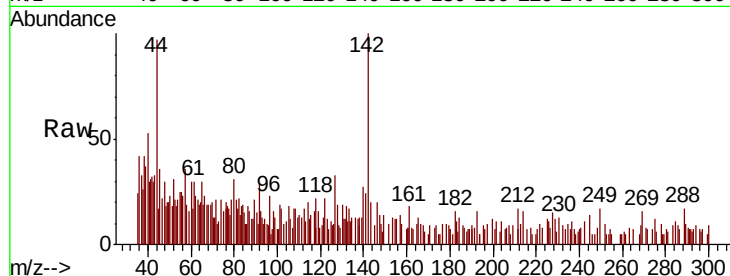




#10
Methvl Iodide
Concen: 0.236 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX013383.D
Acq: 12 Nov 2019 14:22

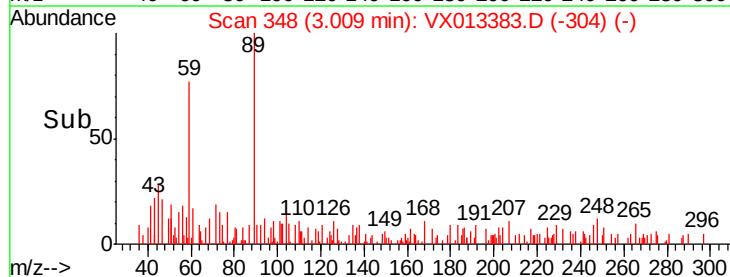
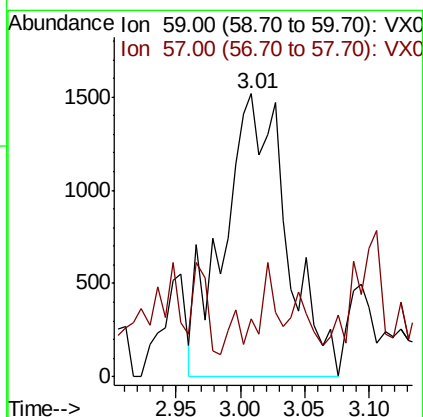
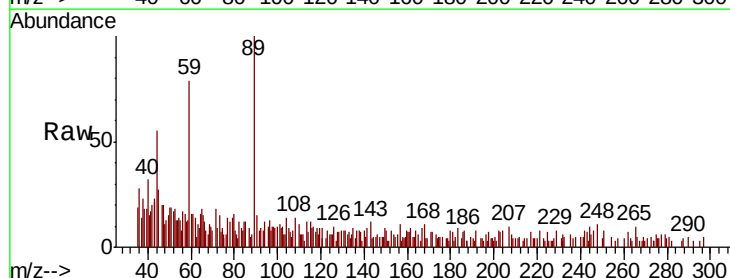
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL02

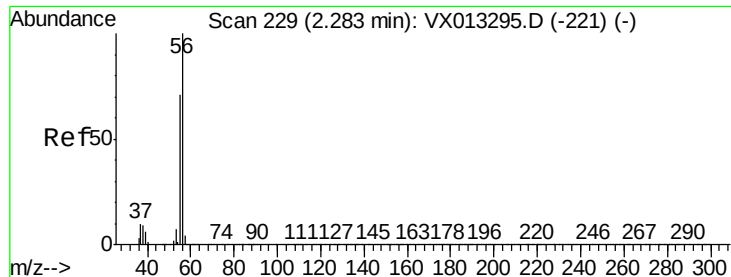
Tot Ion:142 Resp: 2017
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 21.8 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.234 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013383.D
Acq: 12 Nov 2019 14:22

Tgt Ion: 59 Resp: 5150
Ion Ratio Lower Upper
59 100
57 7.7 8.0 12.0#





#13

Acrolein

Concen: 0.682 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013383.D

Acq: 12 Nov 2019 14:22

Instrument :

MSVOA_X

ClientSampled :

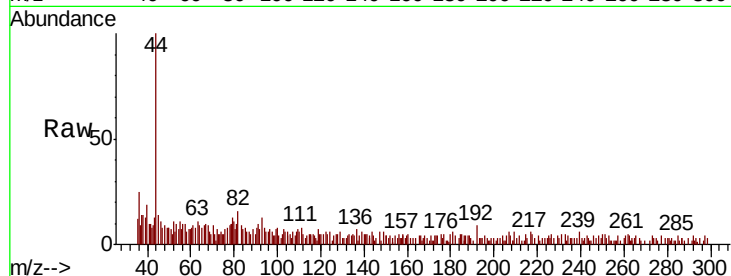
VX1112WBL02

Tot Ion: 56 Resp: 852

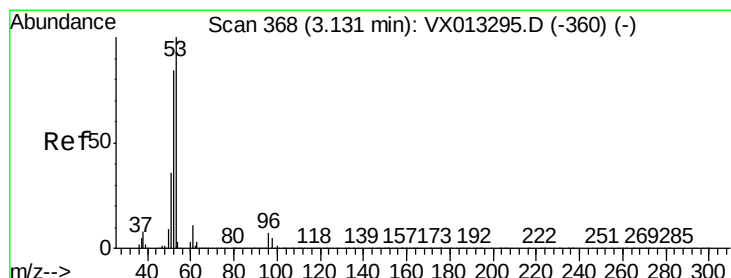
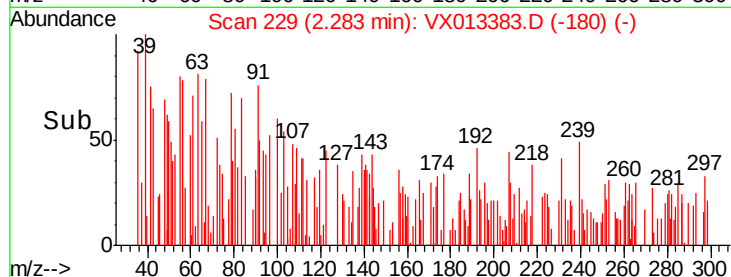
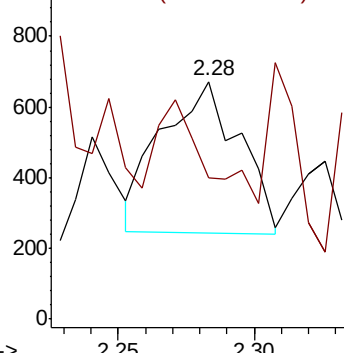
Ion Ratio Lower Upper

56 100

55 44.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#15

Acrylonitrile

Concen: 0.548 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.01 min

Lab File: VX013383.D

Acq: 12 Nov 2019 14:22

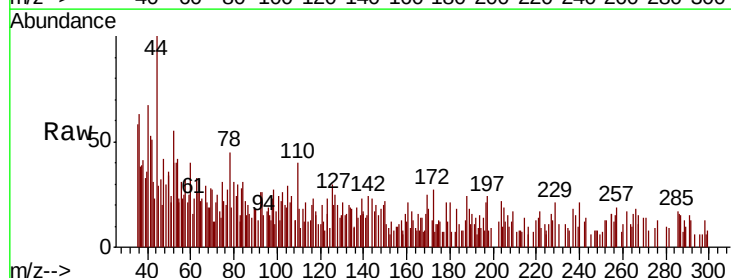
Tgt Ion: 53 Resp: 2358

Ion Ratio Lower Upper

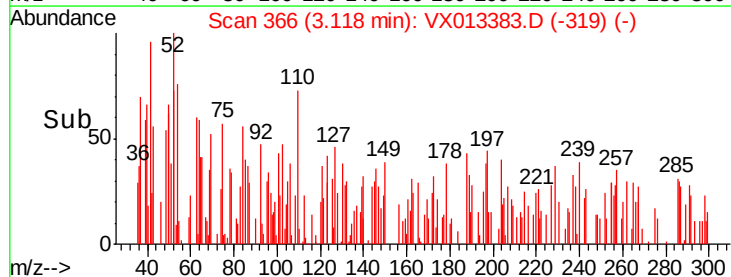
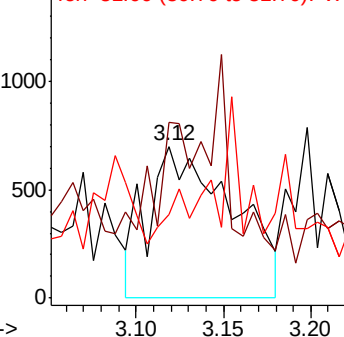
53 100

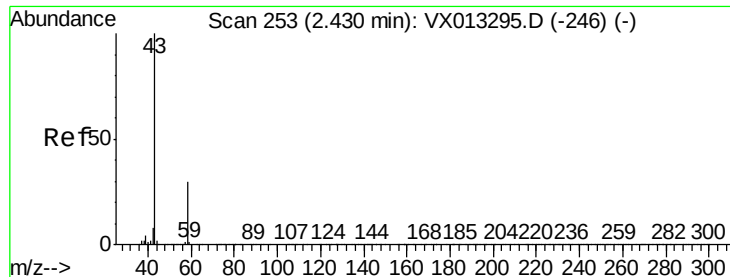
52 28.0 67.4 101.0#

51 16.3 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0





#16

Acetone

Concen: 0.473 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013383.D

Acq: 12 Nov 2019 14:22

Instrument :

MSVOA_X

ClientSampleId :

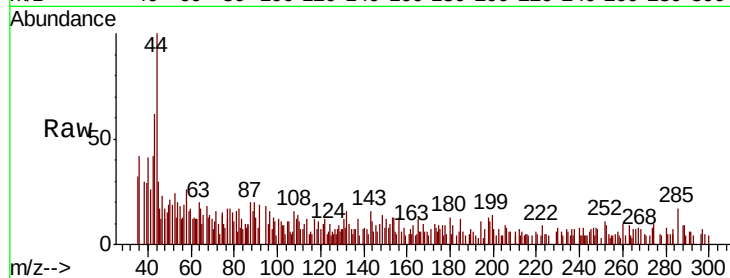
VX1112WBL02

Tot Ion: 43 Resp: 2062

Ion Ratio Lower Upper

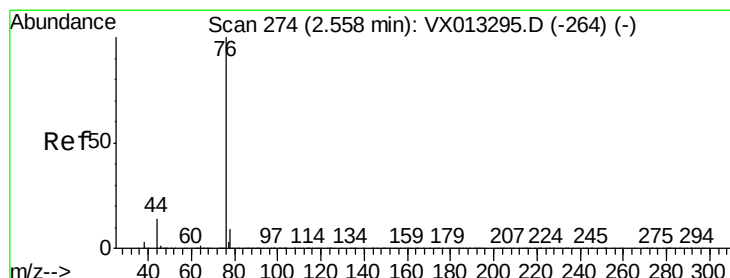
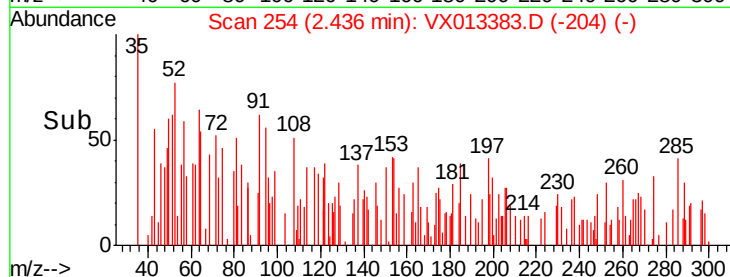
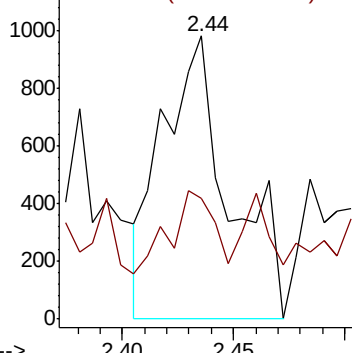
43 100

58 26.5 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.256 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013383.D

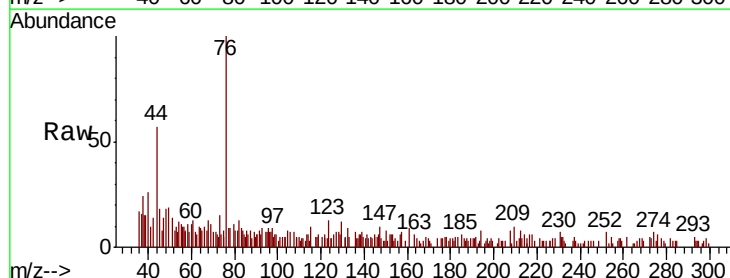
Acq: 12 Nov 2019 14:22

Tgt Ion: 76 Resp: 4636

Ion Ratio Lower Upper

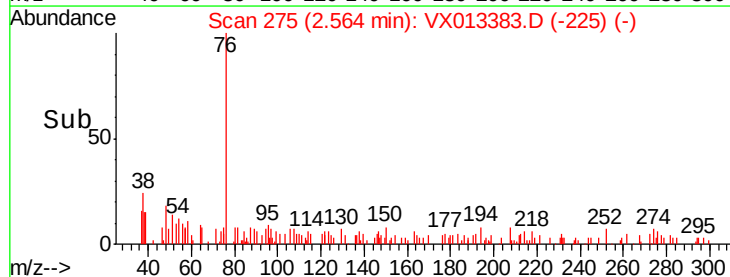
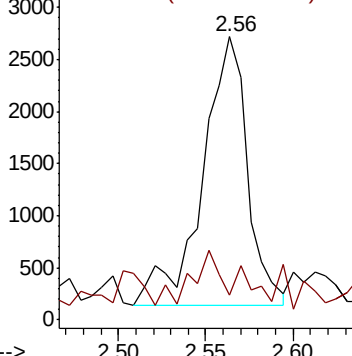
76 100

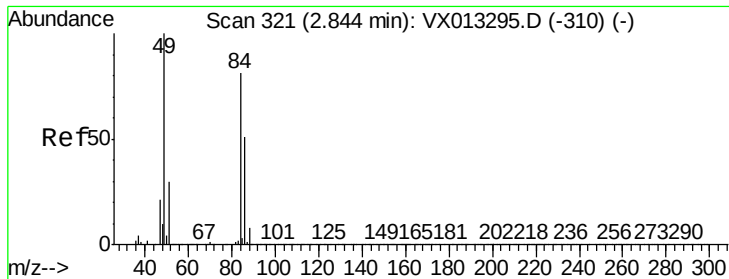
78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

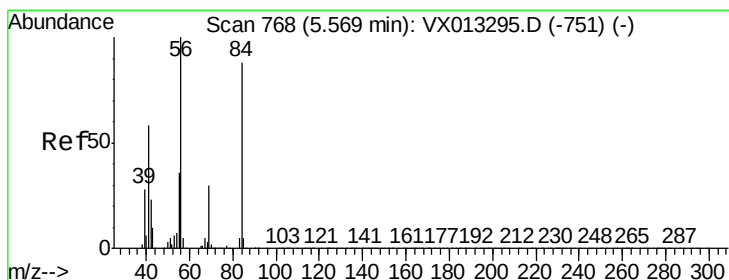
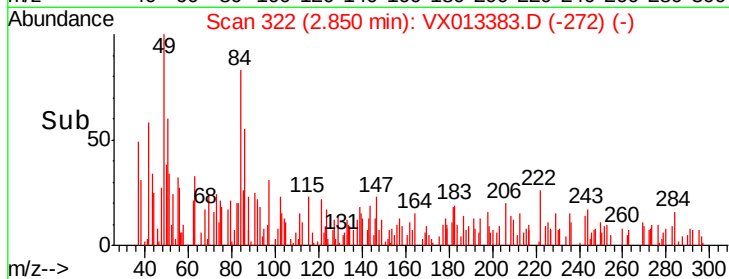
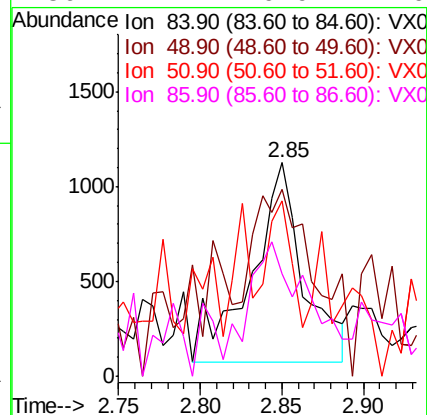
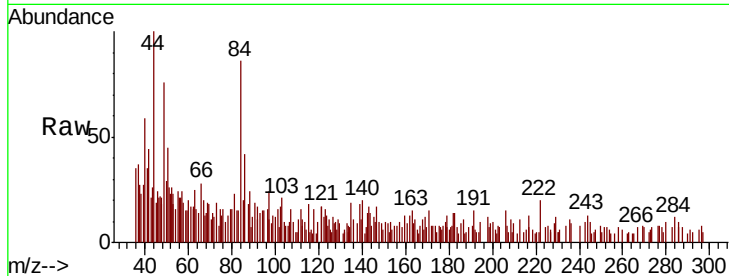




#20
Methylene Chloride
Concen: 0.288 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013383.D
Acq: 12 Nov 2019 14:22

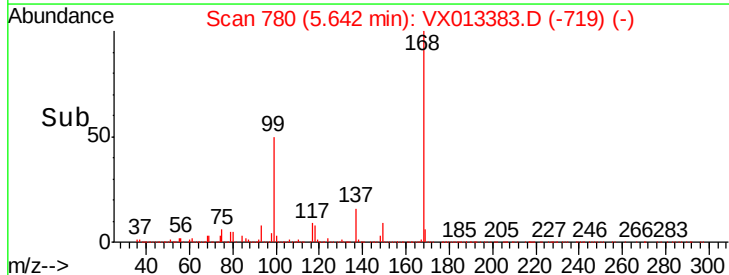
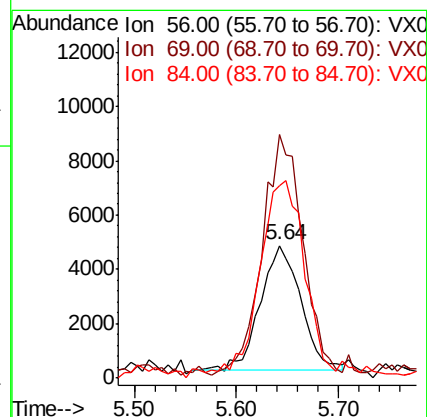
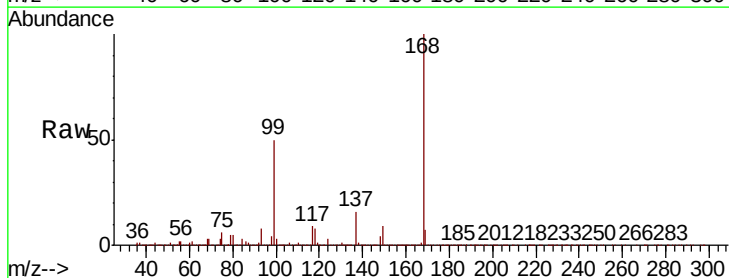
Instrument :
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VX1112WBL02

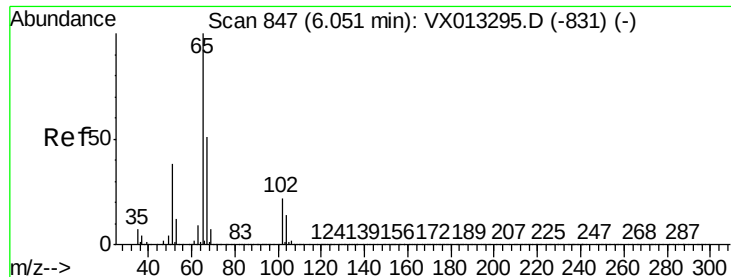
Tot Ion: 84 Resp: 2324
Ion Ratio Lower Upper
84 100
49 42.4 98.2 147.4#
51 53.0 29.9 44.9#
86 41.4 49.9 74.9#



#31
Cyclohexane
Concen: 1.065 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013383.D
Acq: 12 Nov 2019 14:22

Tgt Ion: 56 Resp: 12736
Ion Ratio Lower Upper
56 100
69 190.8 23.7 35.5#
84 147.1 70.6 105.8#

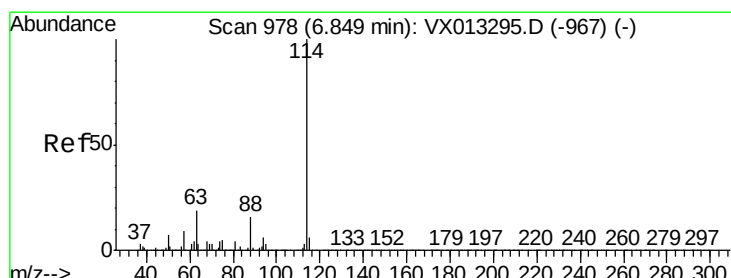
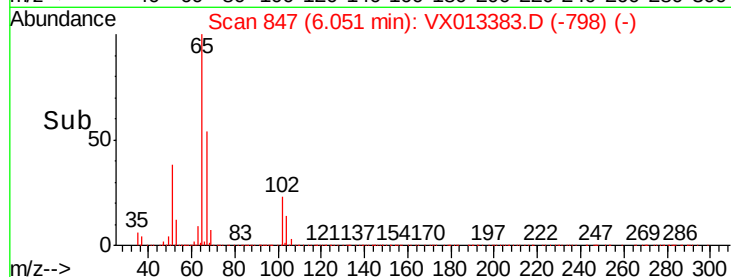
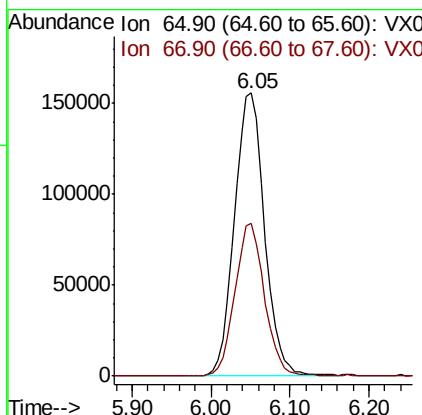
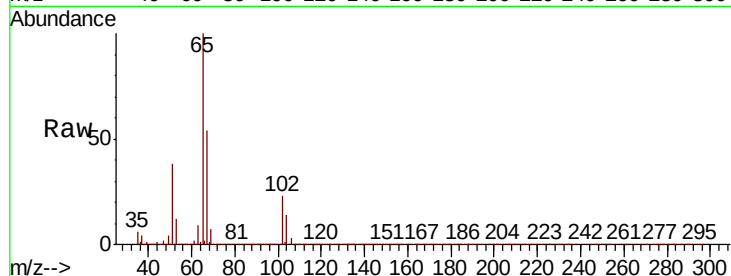




#33
 1,2-Dichloroethane-d4
 Concen: 47.395 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013383.D
 Acq: 12 Nov 2019 14:22

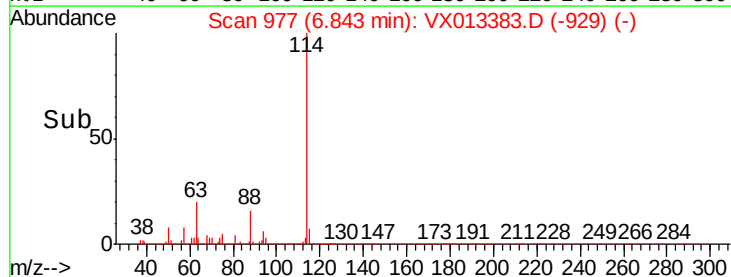
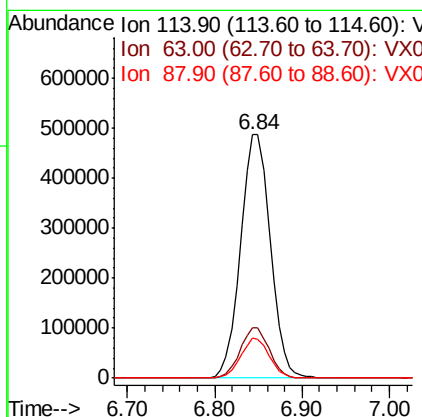
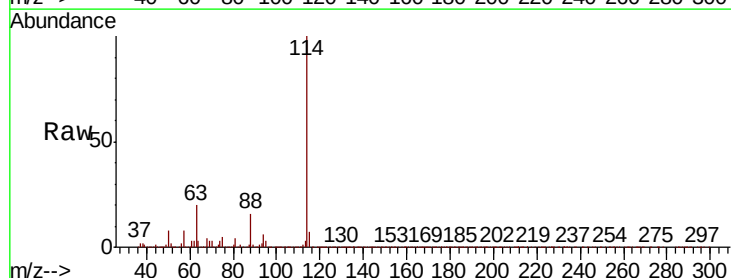
Instrument :
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 VX1112WBL02

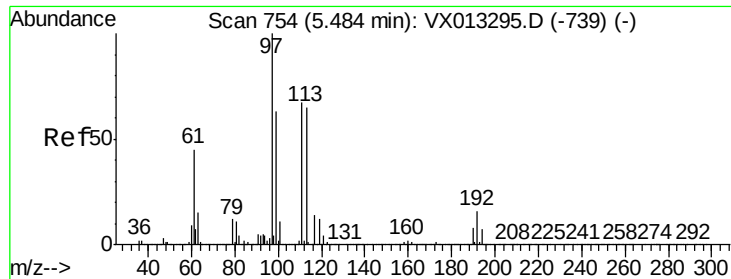
Tot Ion: 65 Resp: 414549
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX013383.D
 Acq: 12 Nov 2019 14:22

Tgt Ion: 114 Resp: 1156293
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.4
 88 16.2 0.0 32.2

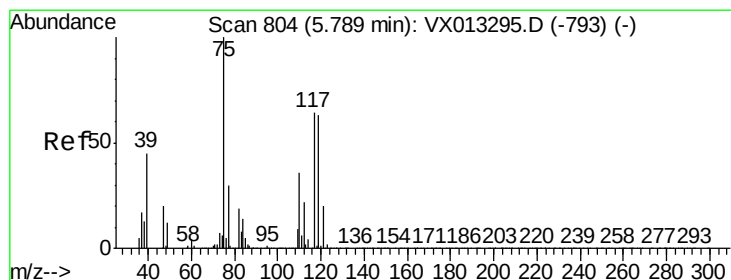
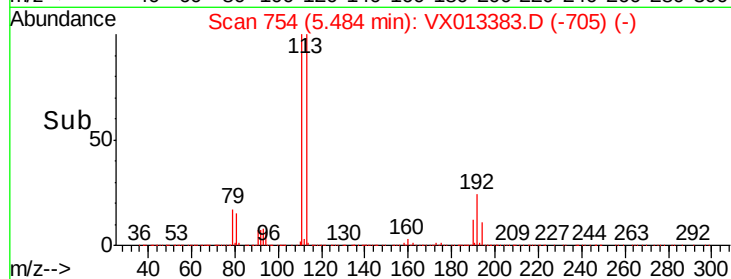
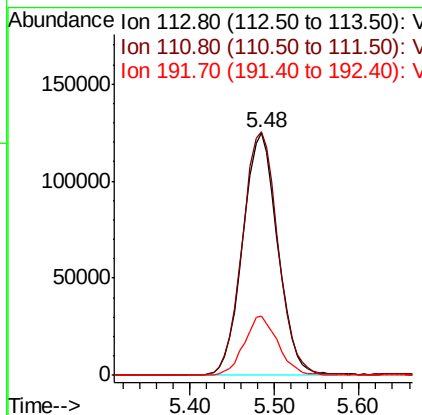
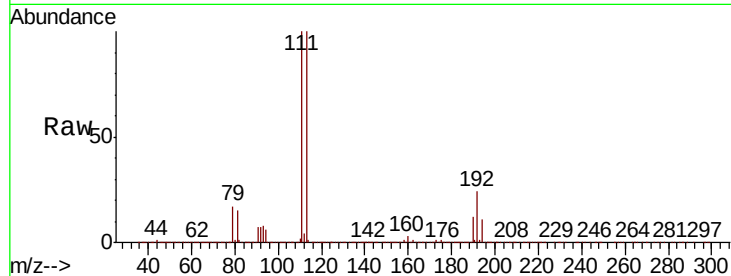




#35
 Dibromofluoromethane
 Concen: 48.278 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX013383.D
 Acq: 12 Nov 2019 14:22

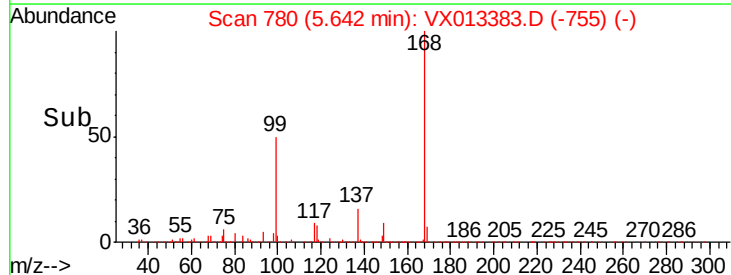
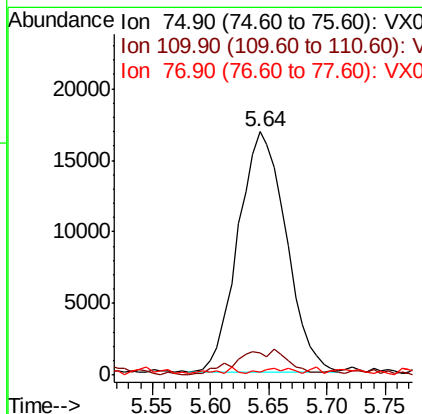
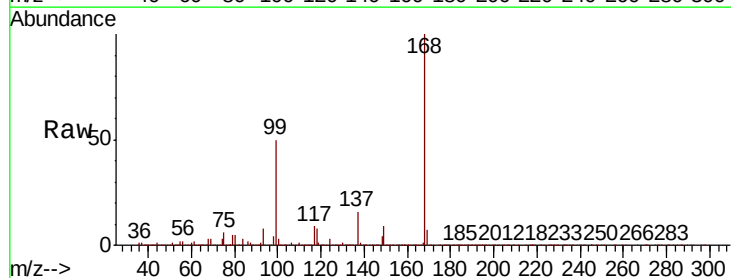
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBL02

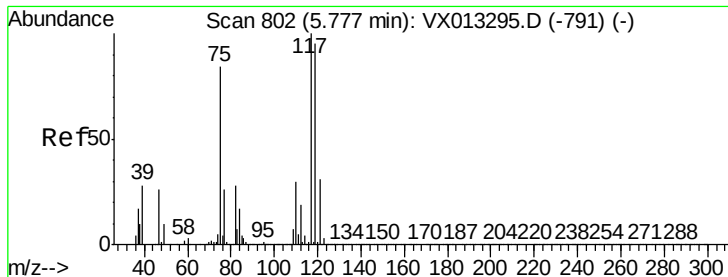
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.9	122.9
192	23.6	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.846 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013383.D
 Acq: 12 Nov 2019 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.1	54.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.790 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013383.D

Acq: 12 Nov 2019 14:22

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL02

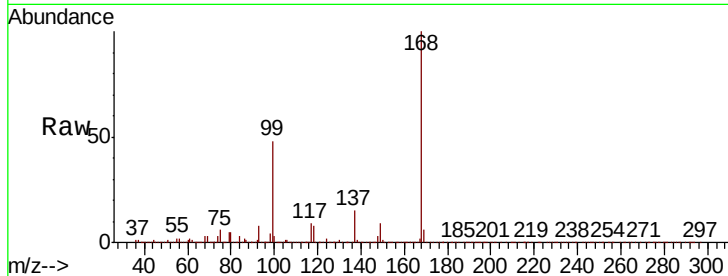
Tot Ion:117 Resp: 65862

Ion Ratio Lower Upper

117 100

119 3.5 76.1 114.1#

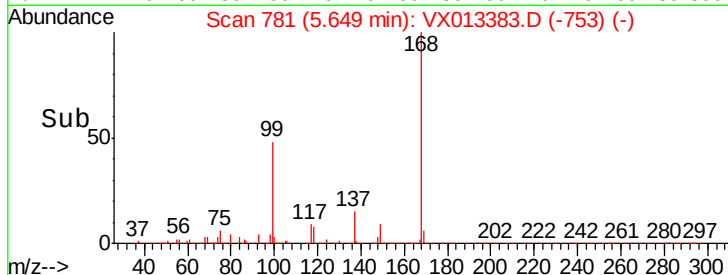
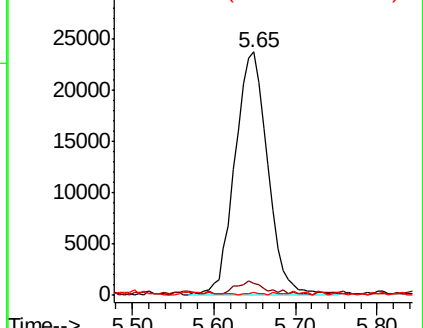
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 3.277 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013383.D

Acq: 12 Nov 2019 14:22

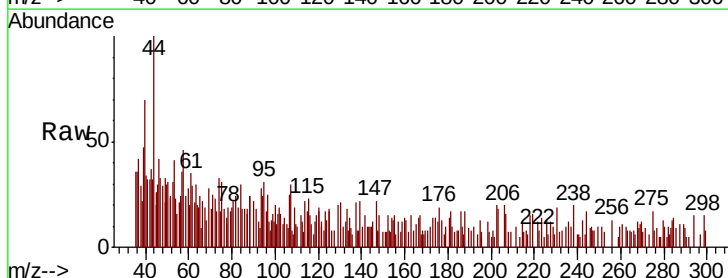
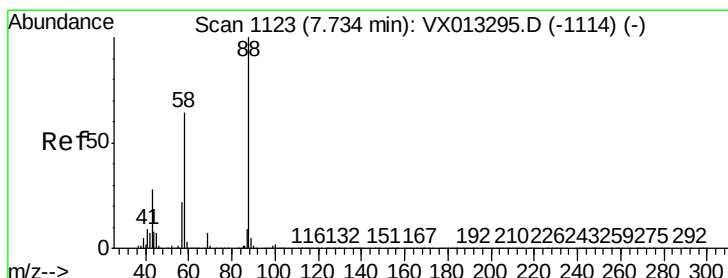
Tgt Ion: 88 Resp: 715

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

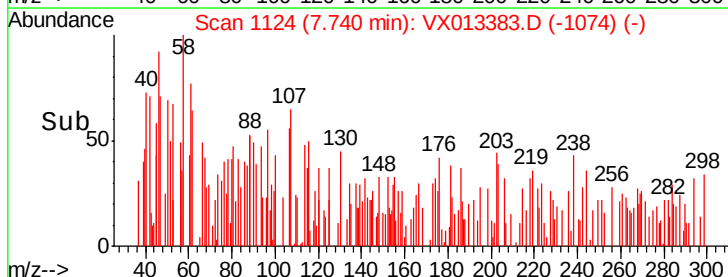
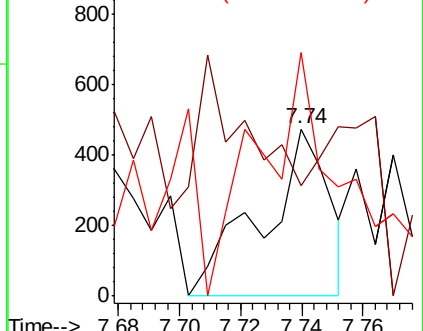
58 170.3 55.0 82.6#

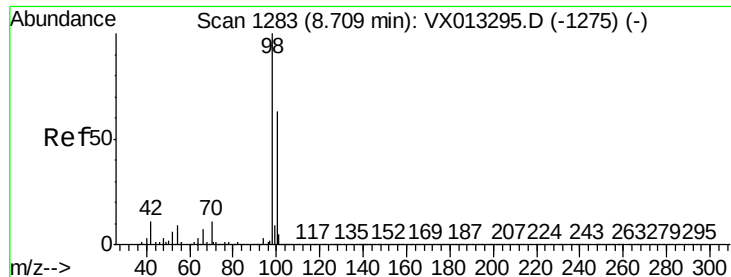


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

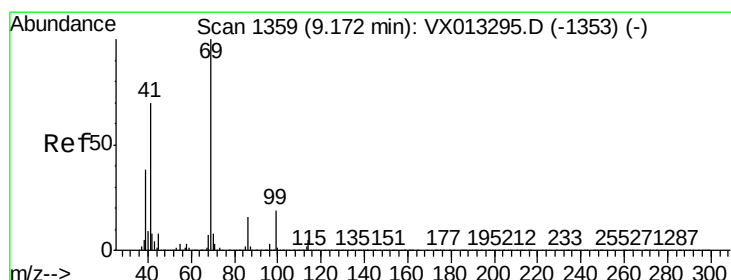
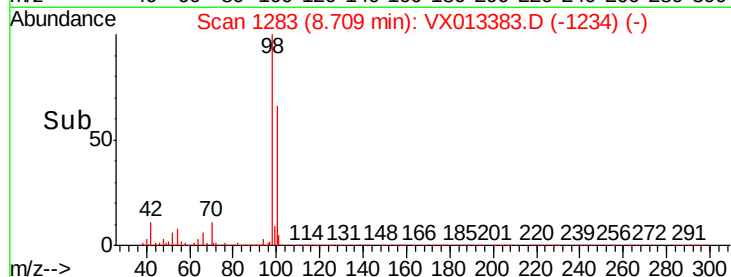
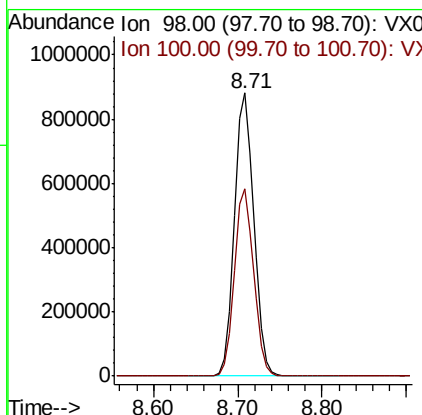
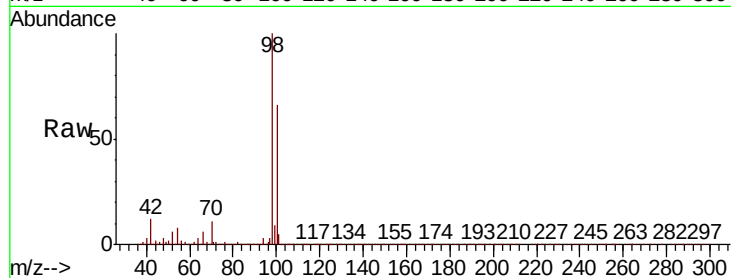




#50
Toluene-d8
Concen: 50.084 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013383.D
Acq: 12 Nov 2019 14:22

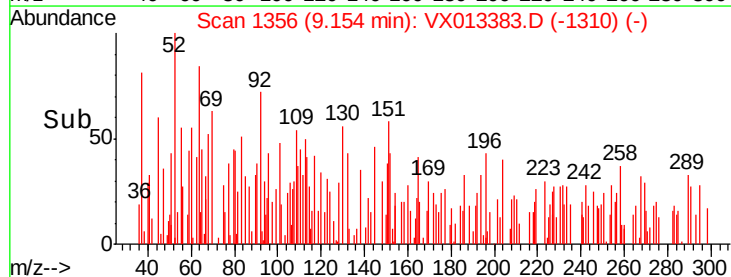
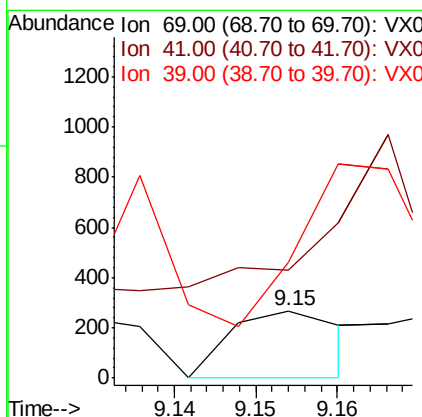
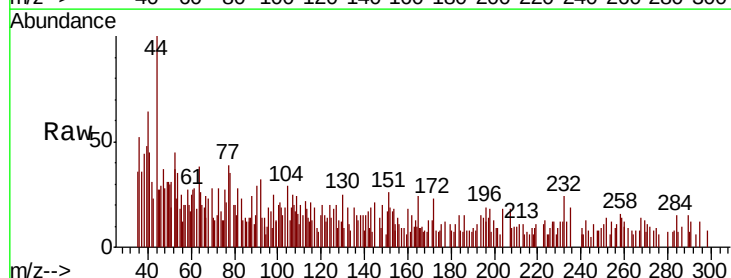
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL02

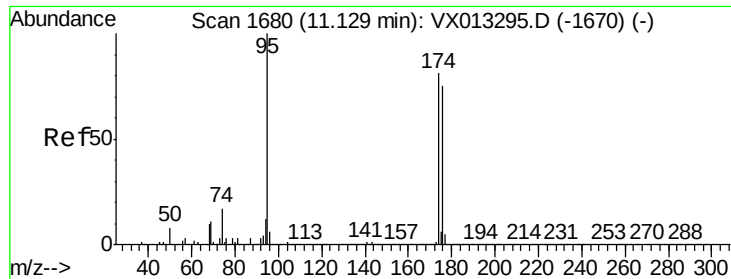
Tot Ion: 98 Resp: 1369338
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.581 ug/l
RT: 9.15 min Scan# 1356
Delta R.T. -0.02 min
Lab File: VX013383.D
Acq: 12 Nov 2019 14:22

Tgt Ion: 69 Resp: 256
Ion Ratio Lower Upper
69 100
41 408.6 56.2 84.2#
39 301.6 31.1 46.7#

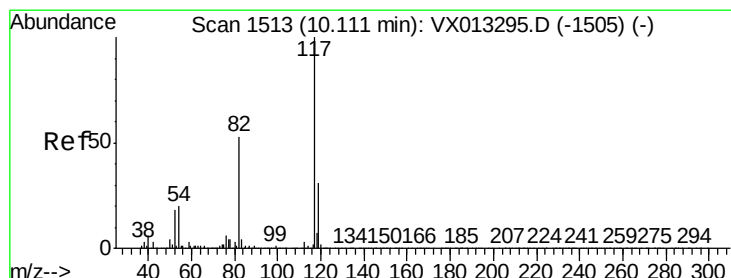
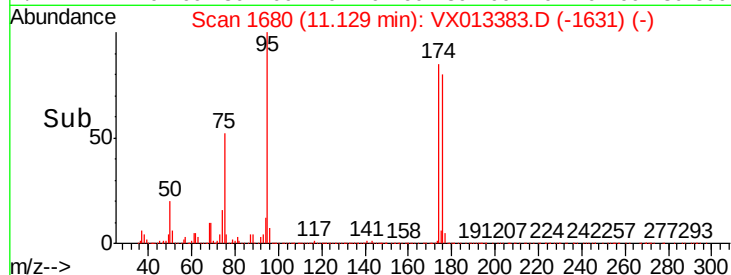
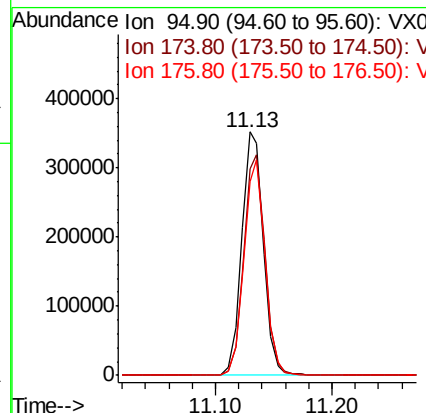
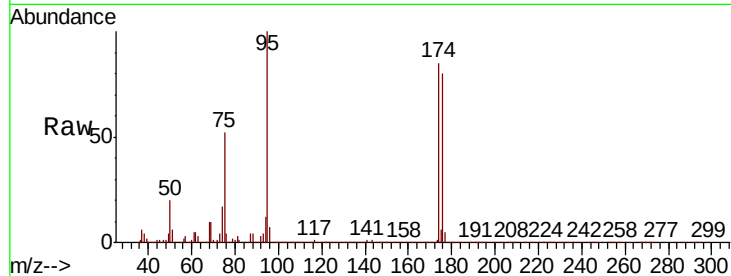




#62
4-Bromofluorobenzene
Concen: 45.880 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013383.D
Acq: 12 Nov 2019 14:22

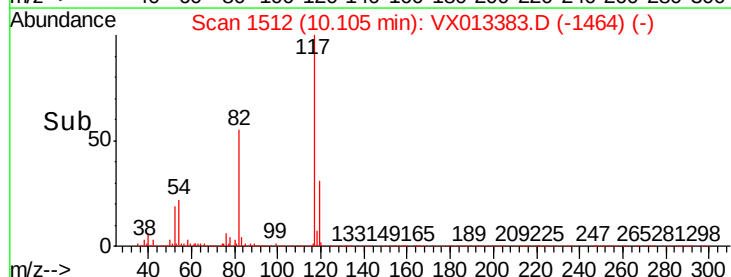
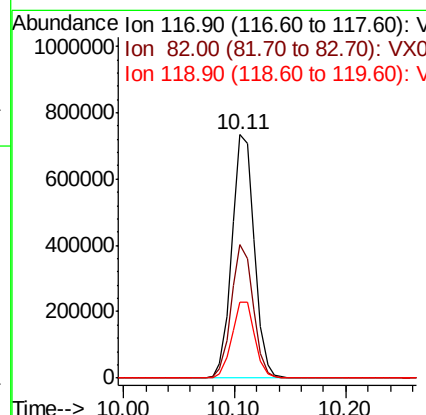
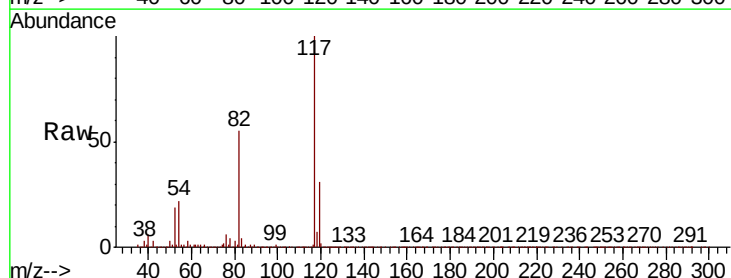
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL02

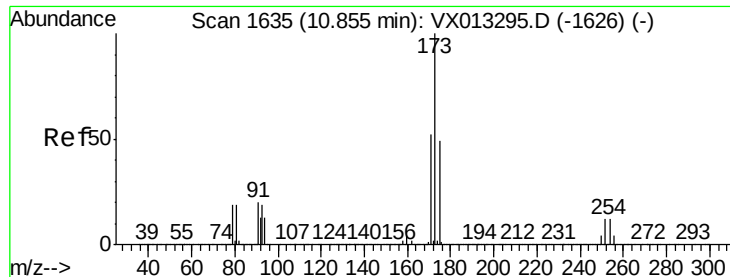
Tot Ion: 95 Resp: 452718
Ion Ratio Lower Upper
95 100
174 90.0 0.0 179.8
176 86.7 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013383.D
Acq: 12 Nov 2019 14:22

Tgt Ion: 117 Resp: 1020184
Ion Ratio Lower Upper
117 100
82 54.6 42.6 64.0
119 31.0 24.8 37.2

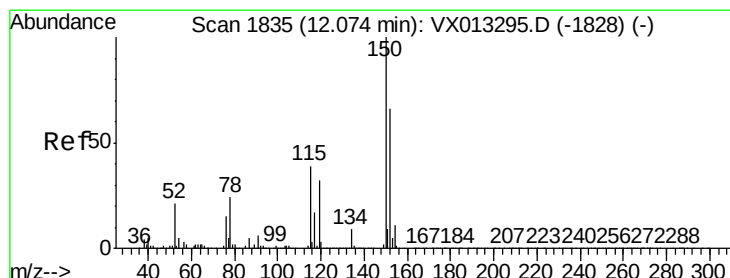
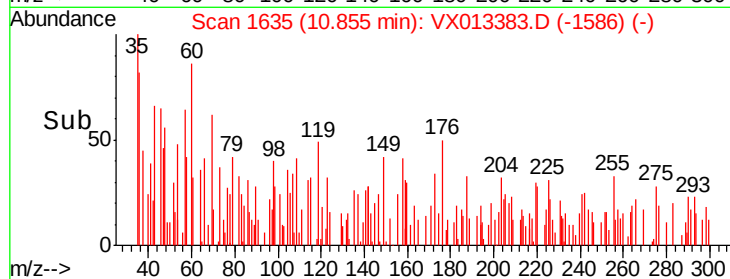
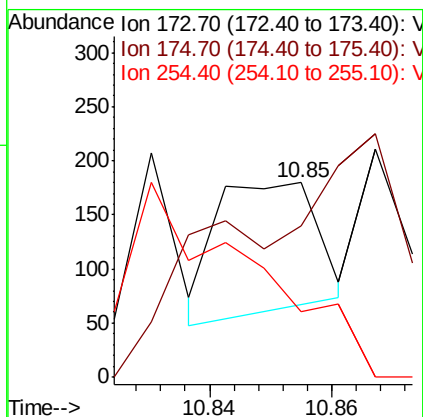
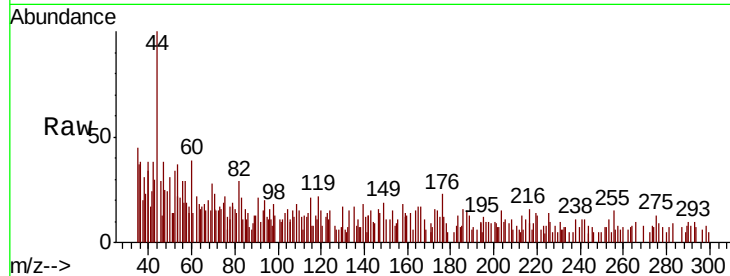




#71
Bromoform
Concen: 3.221 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013383.D
Acq: 12 Nov 2019 14:22

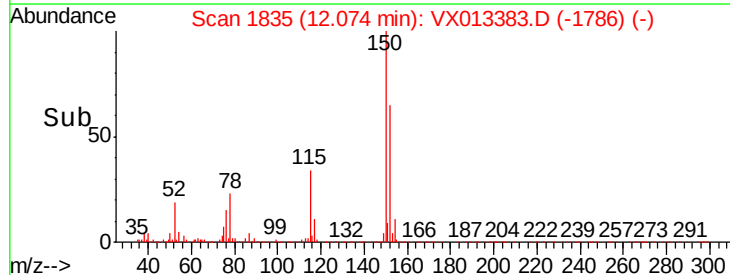
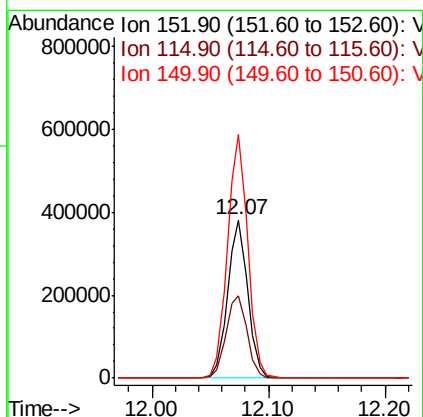
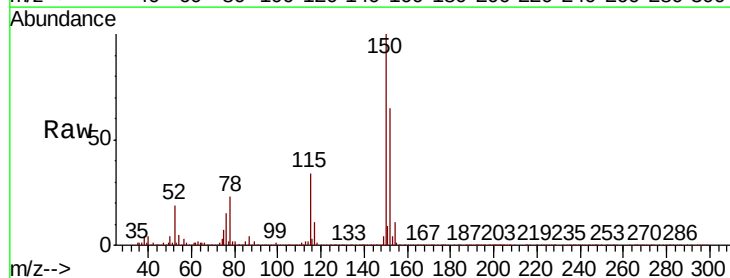
Instrument :
MSVOA_X
ClientSampled :
VX1112WBL02

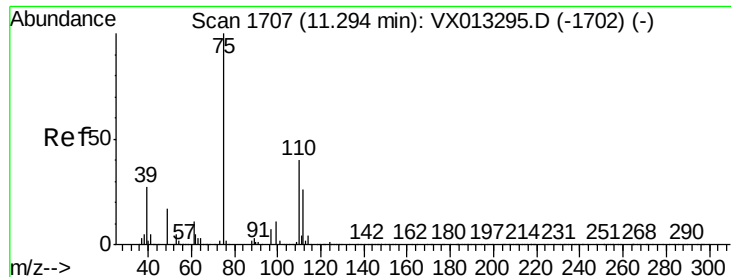
Tot Ion:173 Resp: 137
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013383.D
Acq: 12 Nov 2019 14:22

Tgt Ion:152 Resp: 454126
Ion Ratio Lower Upper
152 100
115 54.8 39.5 118.3
150 156.0 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.557 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013383.D

Acq: 12 Nov 2019 14:22

Instrument :

MSVOA_X

ClientSampleId :

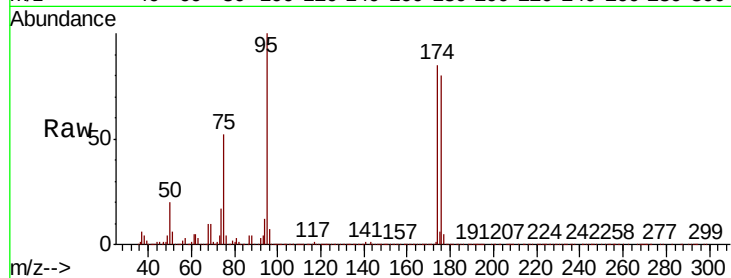
VX1112WBL02

Tot Ion: 75 Resp: 226510

Ion Ratio Lower Upper

75 100

77 1.6 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

200000

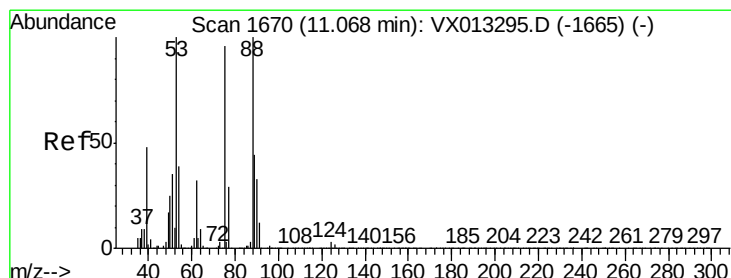
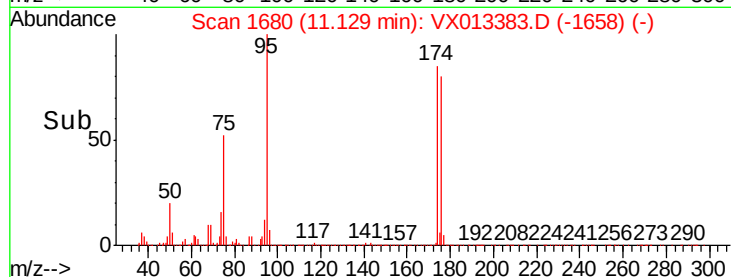
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.209 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013383.D

Acq: 12 Nov 2019 14:22

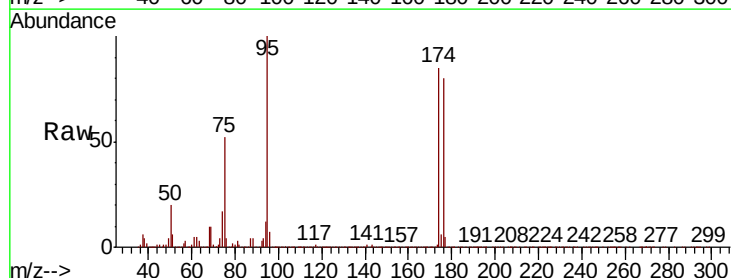
Tgt Ion: 75 Resp: 226510

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

250000

200000

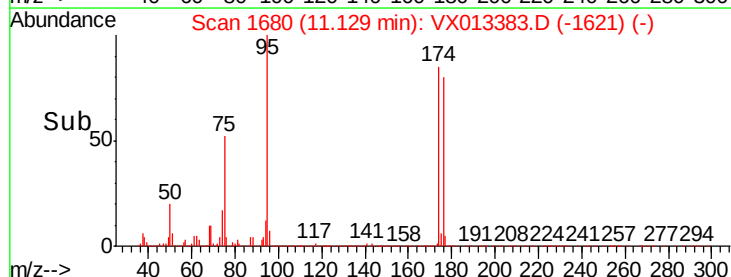
150000

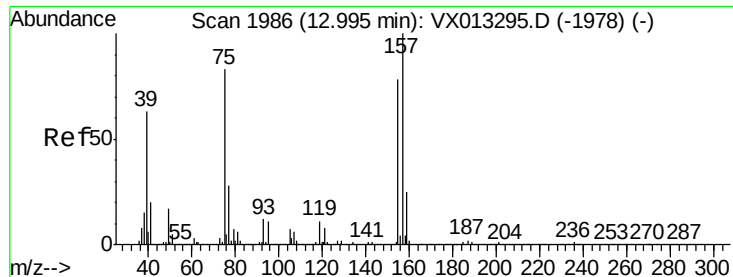
100000

50000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.208 ug/l

RT: 13.01 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VX013383.D

Acq: 12 Nov 2019 14:22

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL02

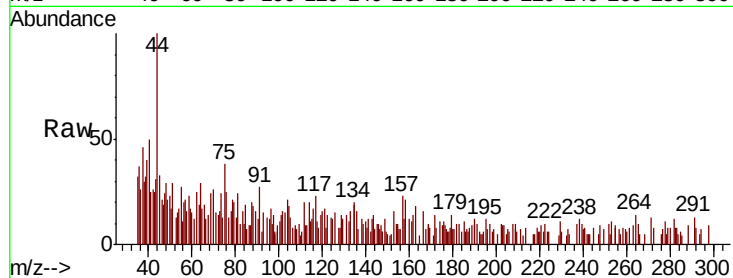
Tot Ion: 75 Resp: 556

Ion Ratio Lower Upper

75 100

155 106.8 47.1 141.4

157 61.5 61.3 183.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

