

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013473.D
 Acq On : 20 Nov 2019 12:23
 Operator : JC/SP
 Sample : K5949-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 21 00:45:58 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	706966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1134263	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1002873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	432381	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	415904	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	5.49	113	349178	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.71	98	1357950	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.14	95	441617	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

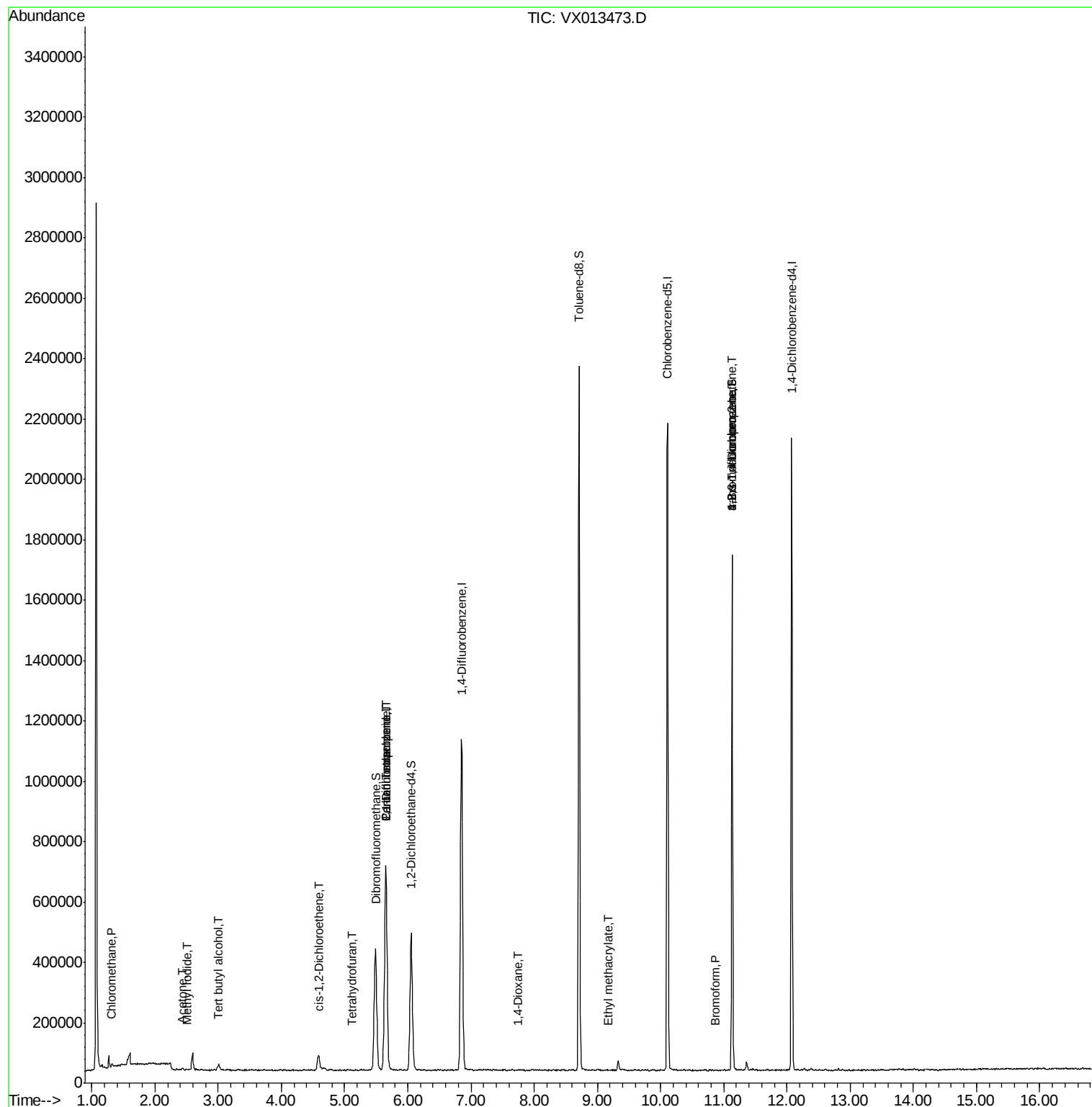
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4964	0.562	ug/l #	86
6) Chloroethane	1.67	64	414	Below Cal	#	7
10) Methyl Iodide	2.50	142	2042	0.249	ug/l #	79
11) Tert butyl alcohol	3.01	59	14344	6.498	ug/l	97
16) Acetone	2.44	43	7829	1.874	ug/l	89
27) cis-1,2-Dichloroethene	4.58	96	31870	4.029	ug/l	88
29) Tetrahydrofuran	5.12	42	1154	0.306	ug/l #	63
36) 1,1-Dichloropropene	5.65	75	46906	4.820	ug/l #	52
38) Carbon Tetrachloride	5.65	117	63793	6.704	ug/l #	16
49) 1,4-Dioxane	7.73	88	320	1.495	ug/l #	57
56) Ethyl methacrylate	9.18	69	623	1.608	ug/l #	21
71) Bromoform	10.86	173	383	3.254	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	215137	24.497	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	215137	63.054	ug/l #	9

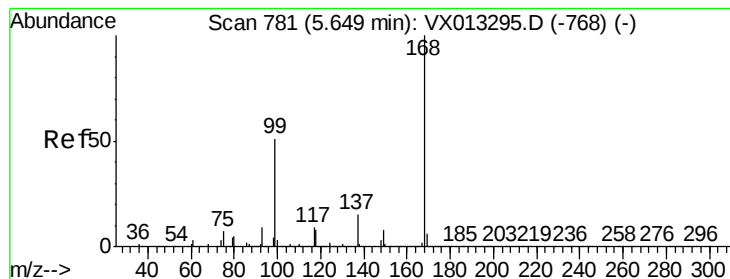
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

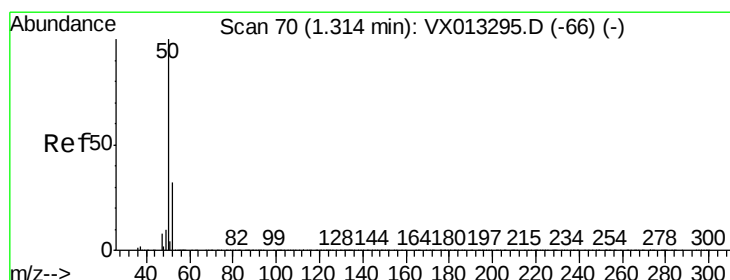
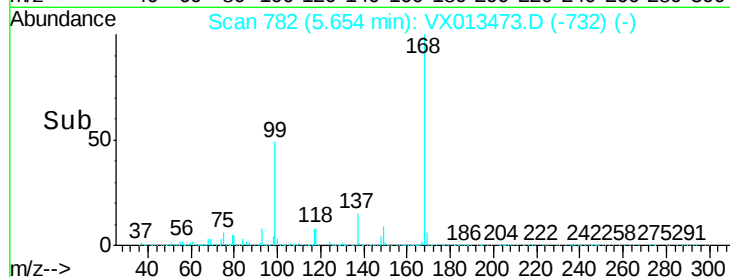
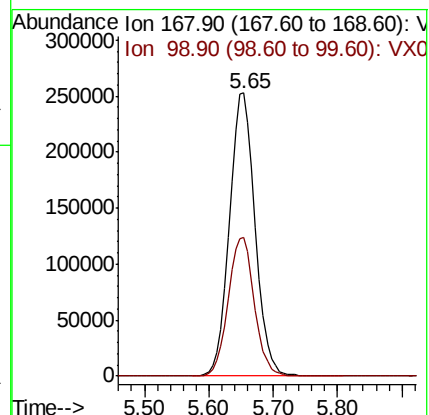
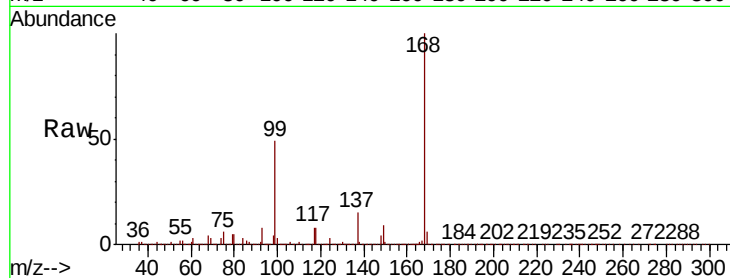
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 706966

Ion Ratio Lower Upper

168 100

99 49.1 40.8 61.2



#3

Chloromethane

Concen: 0.562 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013473.D

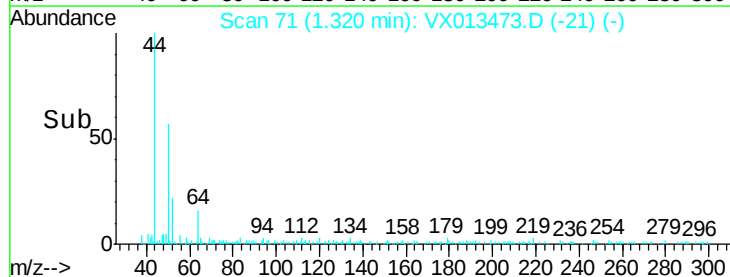
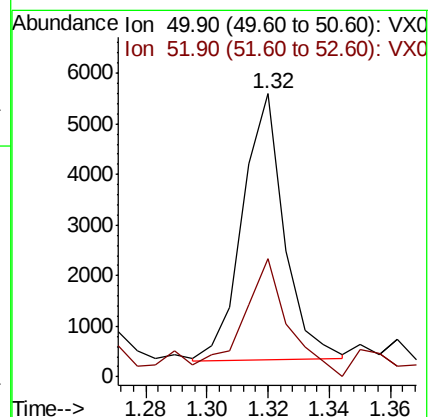
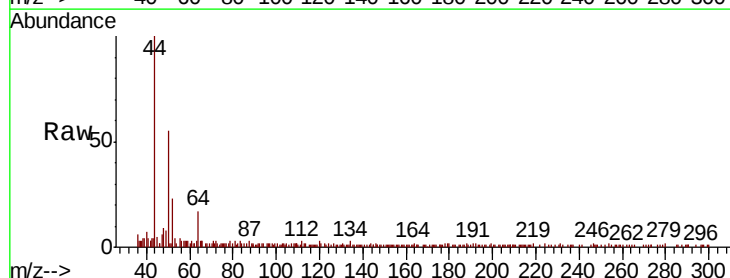
Acq: 20 Nov 2019 12:23

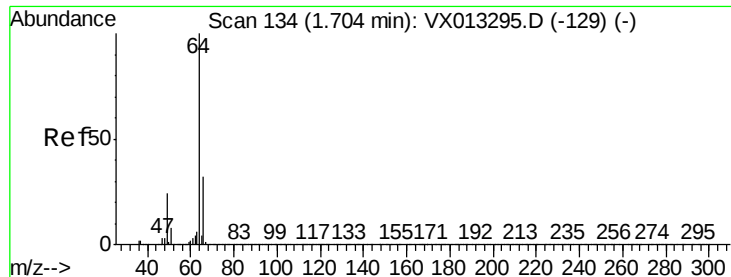
Tgt Ion: 50 Resp: 4964

Ion Ratio Lower Upper

50 100

52 39.9 25.5 38.3#





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 128

Delta R.T. -0.04 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

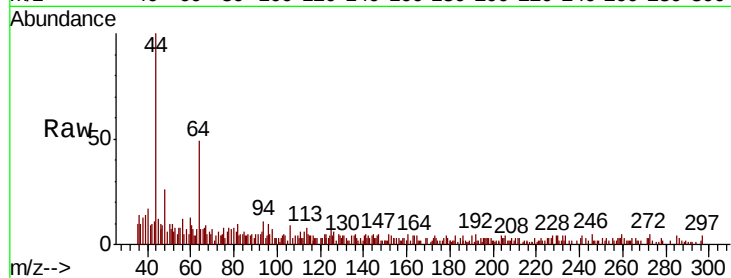
ClientSampled :

Tot Ion: 64 Resp: 414

Ion Ratio Lower Upper

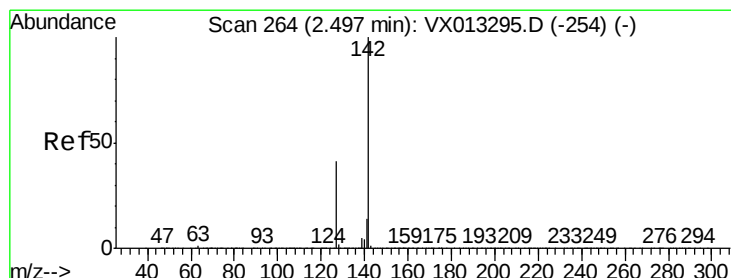
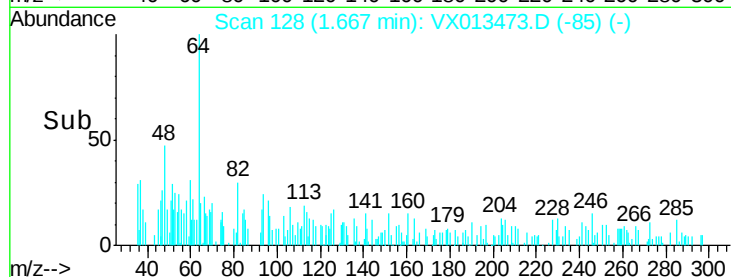
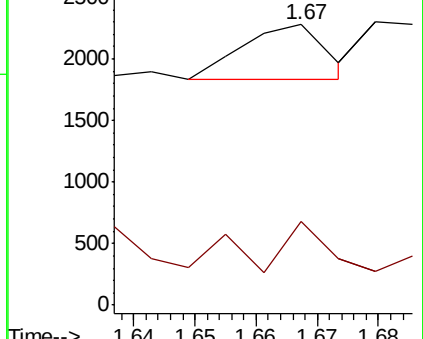
64 100

66 83.7 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.249 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

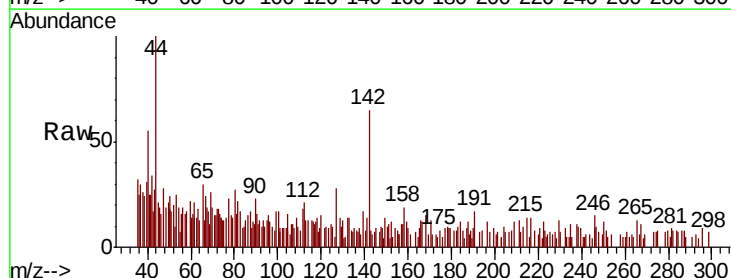
Tgt Ion: 142 Resp: 2042

Ion Ratio Lower Upper

142 100

127 57.7 32.6 49.0#

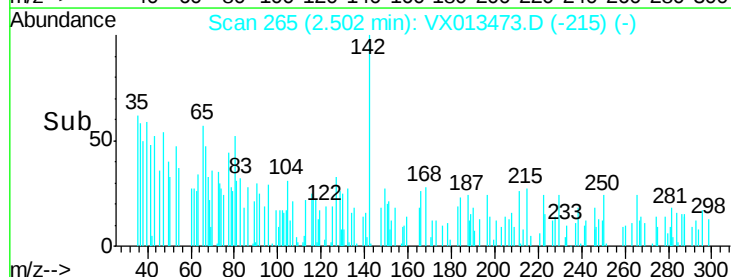
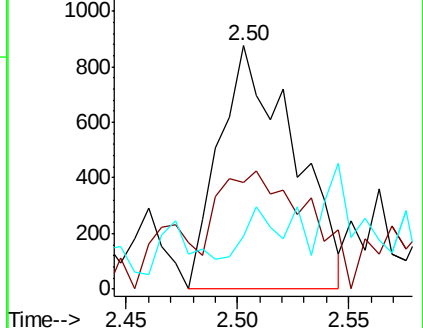
141 12.5 11.6 17.4

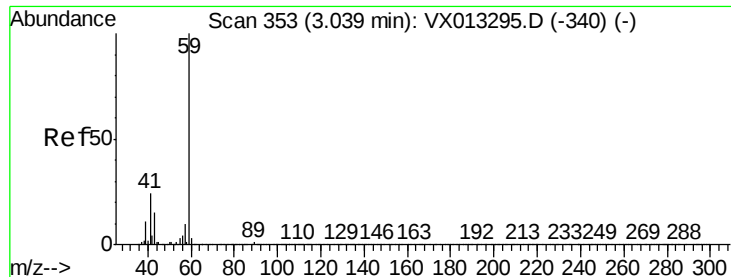


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

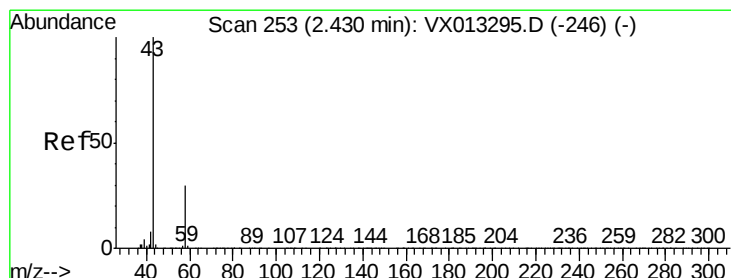
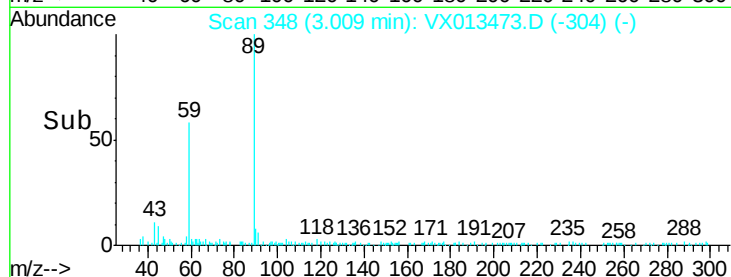
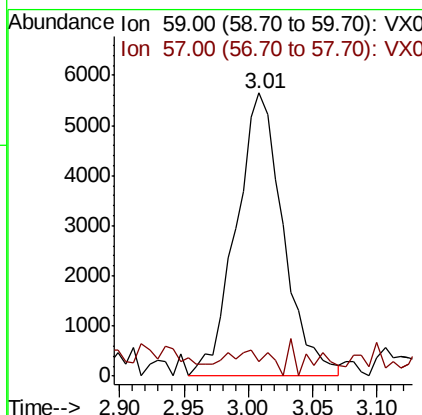
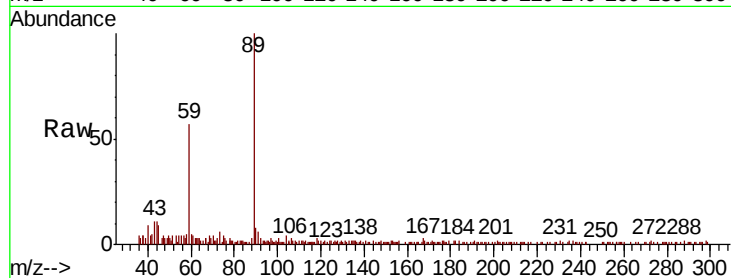




#11
Tert butyl alcohol
Concen: 6.498 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013473.D
Acq: 20 Nov 2019 12:23

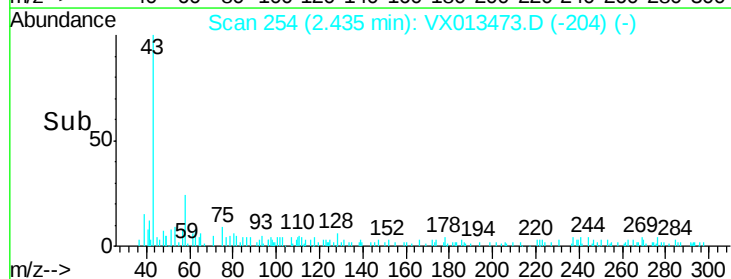
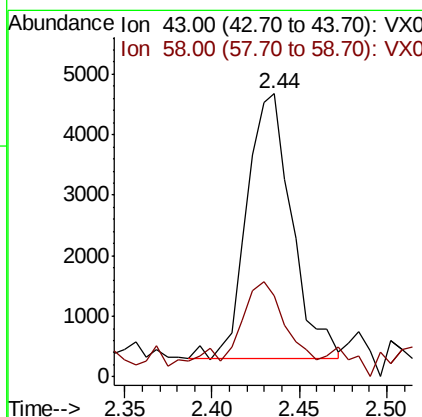
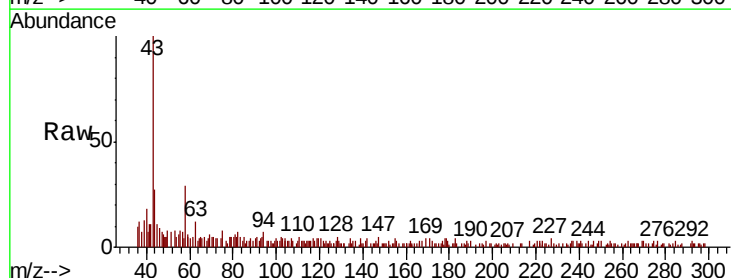
Instrument :
MSVOA_X
ClientSampleId :

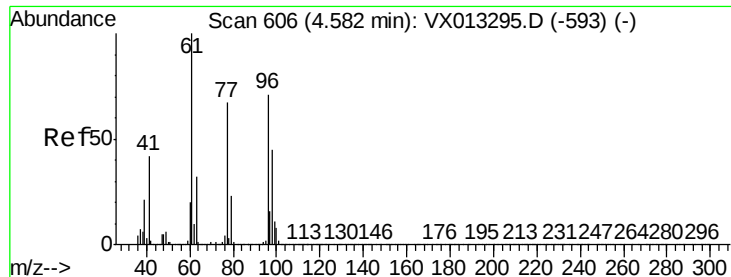
Tot Ion: 59 Resp: 14344
Ion Ratio Lower Upper
59 100
57 8.8 8.0 12.0



#16
Acetone
Concen: 1.874 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013473.D
Acq: 20 Nov 2019 12:23

Tgt Ion: 43 Resp: 7829
Ion Ratio Lower Upper
43 100
58 24.6 24.3 36.5



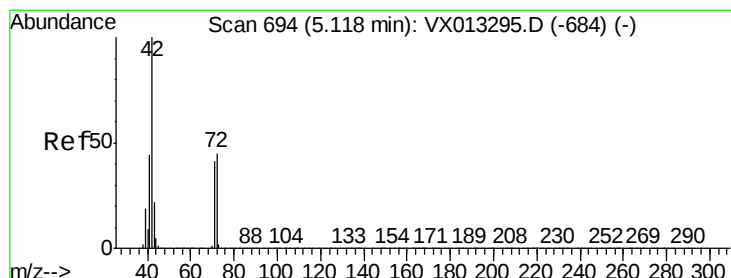
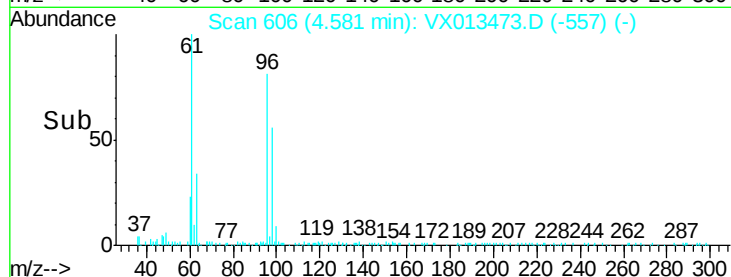
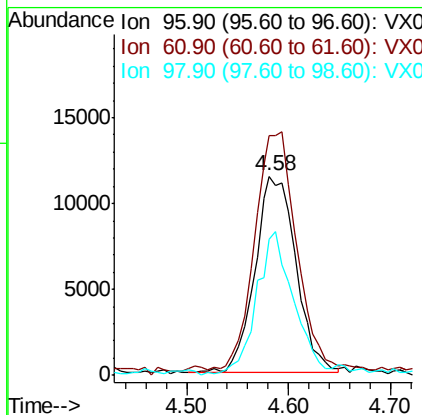
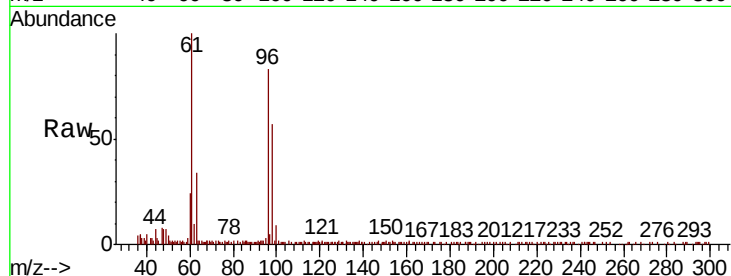


#27

cis-1,2-Dichloroethene
Concen: 4.029 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013473.D
Acq: 20 Nov 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :

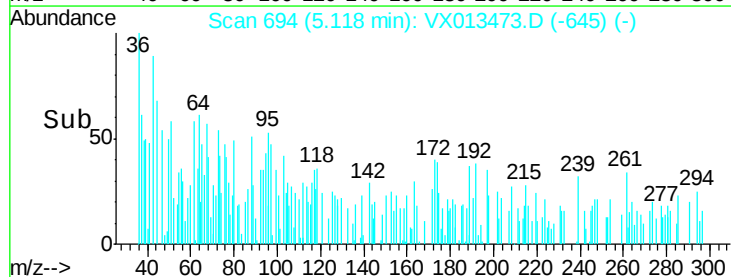
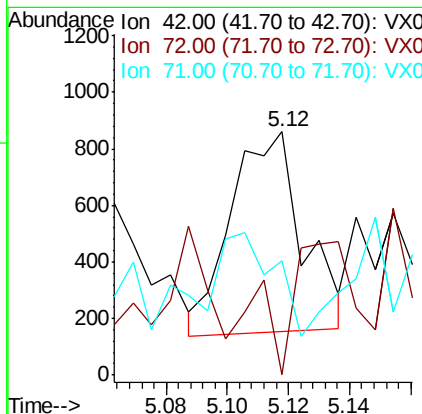
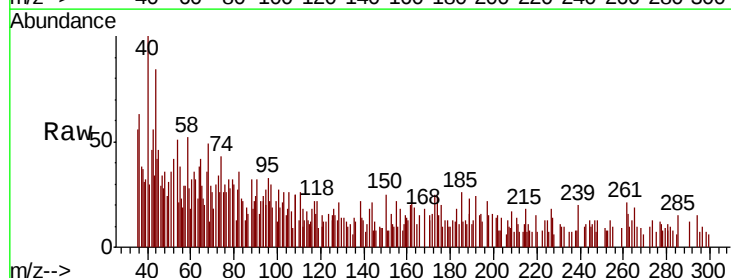
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	288.0
98	67.0	0.0	129.6

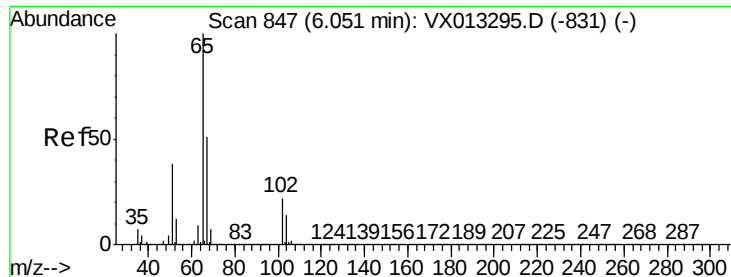


#29

Tetrahydrofuran
Concen: 0.306 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX013473.D
Acq: 20 Nov 2019 12:23

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.8	53.8#
71	40.5	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 49.658 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

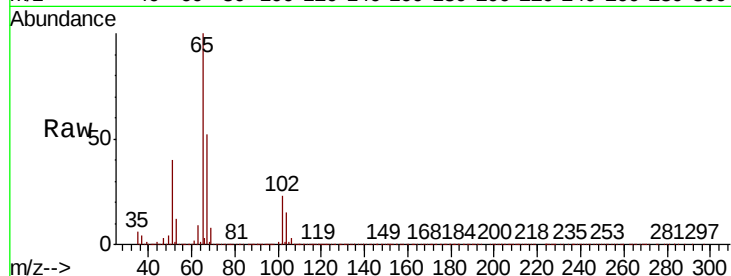
ClientSampleId :

Tot Ion: 65 Resp: 415904

Ion Ratio Lower Upper

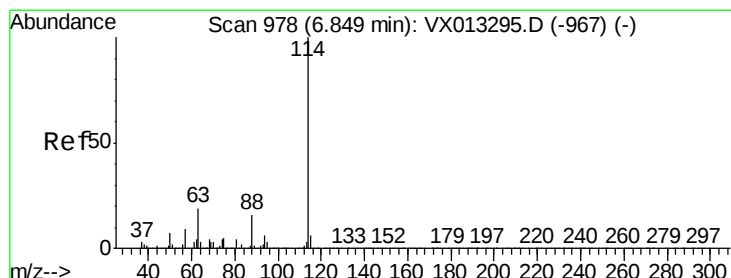
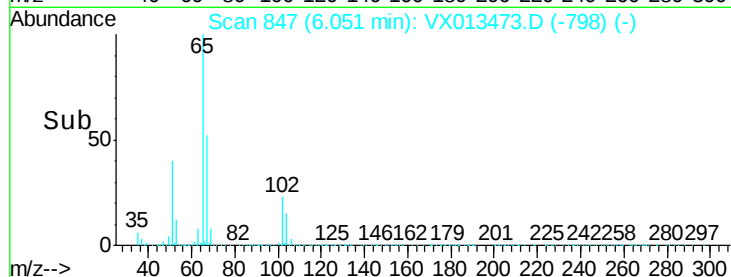
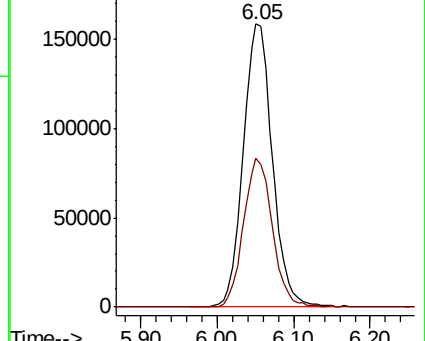
65 100

67 52.4 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: VX013473.D

Acq: 20 Nov 2019 12:23

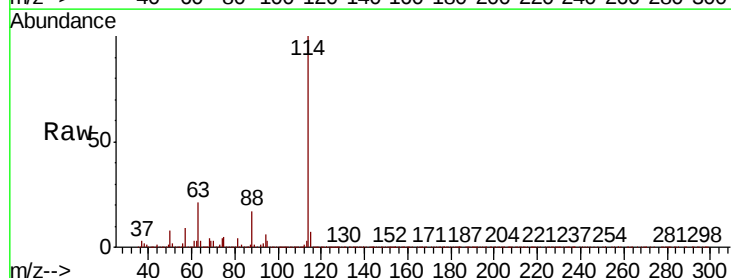
Tgt Ion: 114 Resp: 1134263

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.4

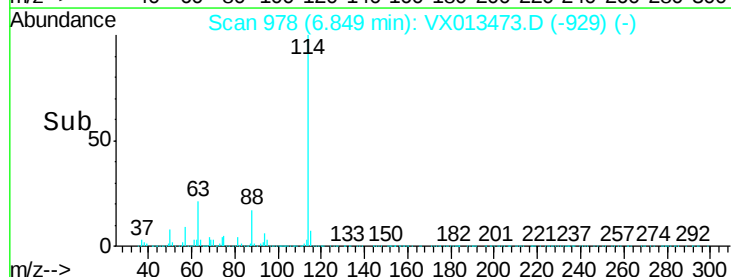
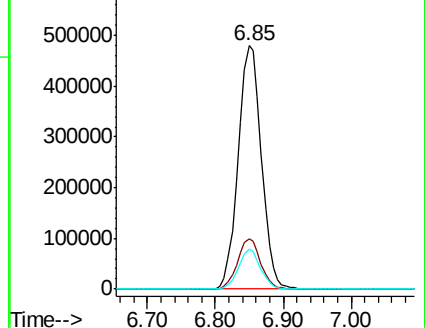
88 16.6 0.0 32.2

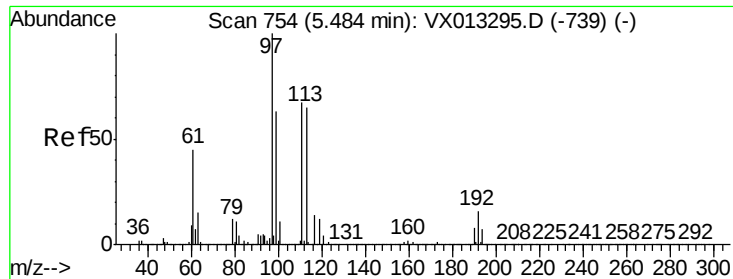


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

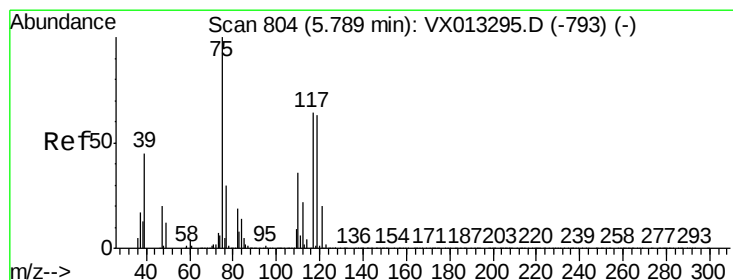
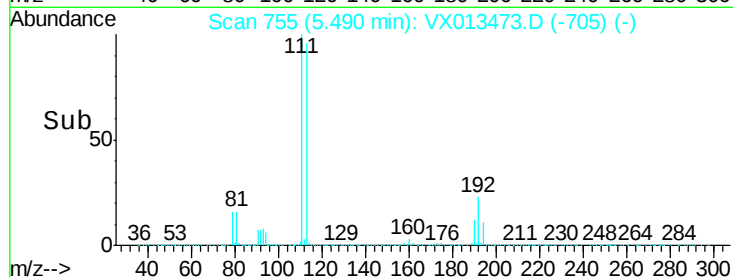
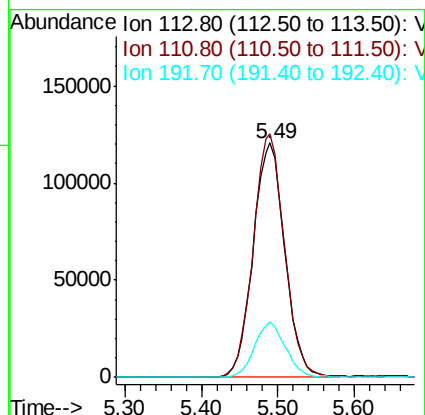
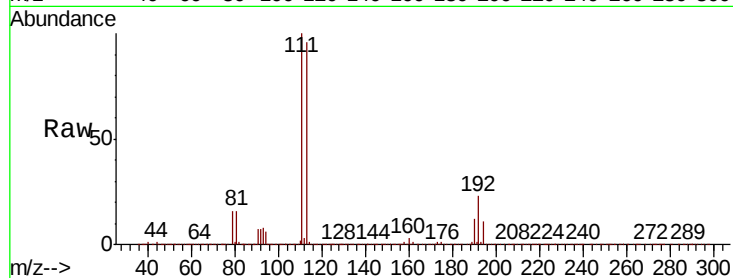




#35
 Dibromofluoromethane
 Concen: 49.082 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013473.D
 Acq: 20 Nov 2019 12:23

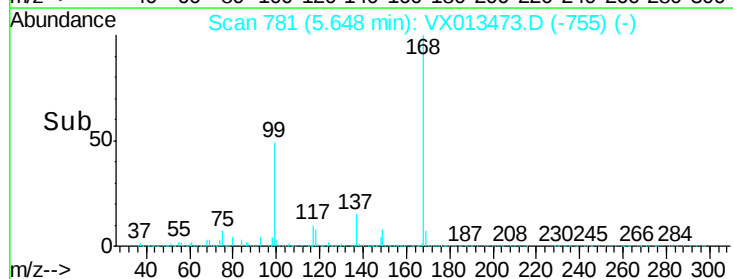
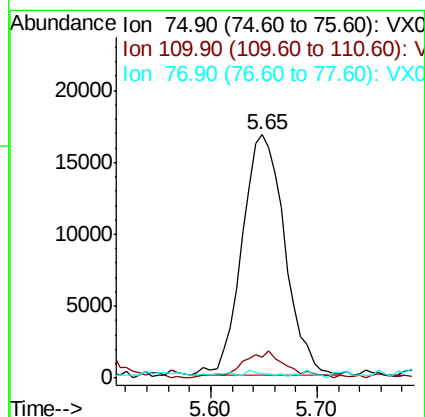
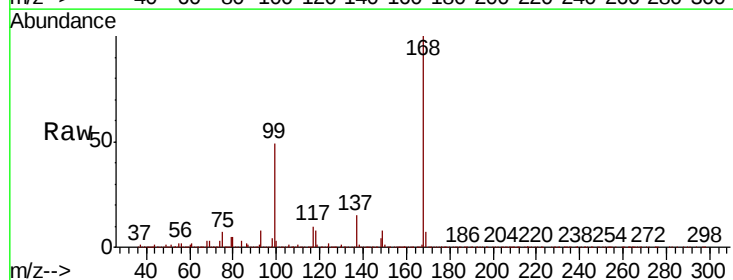
Instrument :
 MSVOA_X
 ClientSampleId :

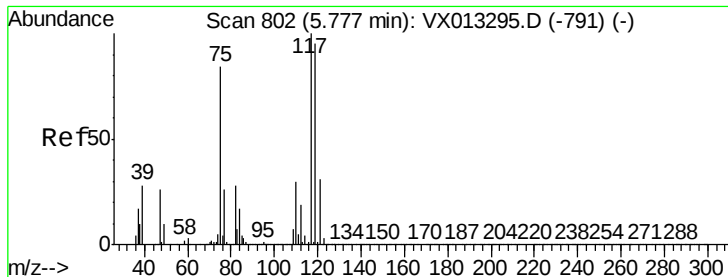
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	22.6	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.820 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013473.D
 Acq: 20 Nov 2019 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	18.1	54.1#
77	1.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.704 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

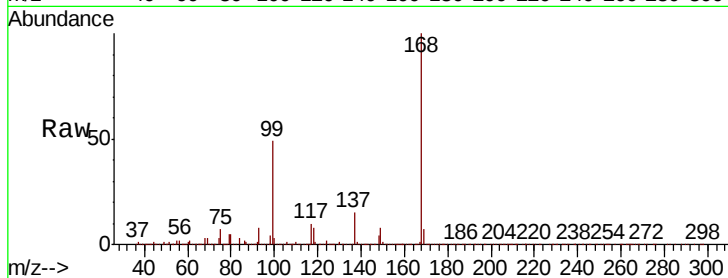
Tot Ion:117 Resp: 63793

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

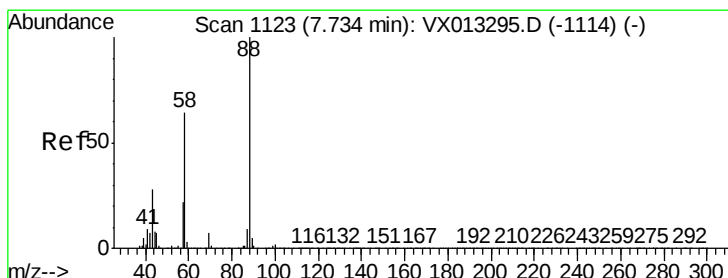
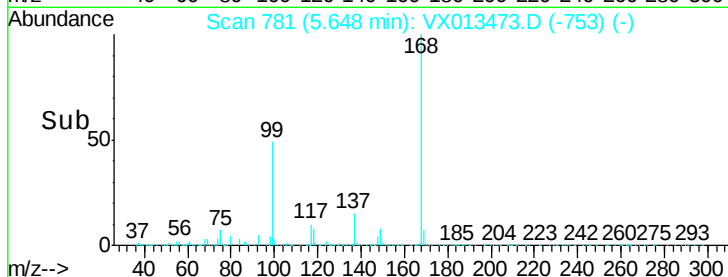
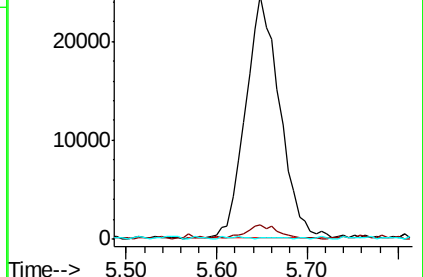
121 0.3 24.6 37.0#



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: 1.495 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

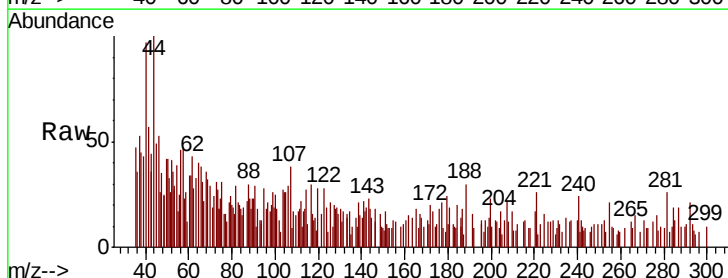
Tgt Ion: 88 Resp: 320

Ion Ratio Lower Upper

88 100

43 71.9 26.6 39.8#

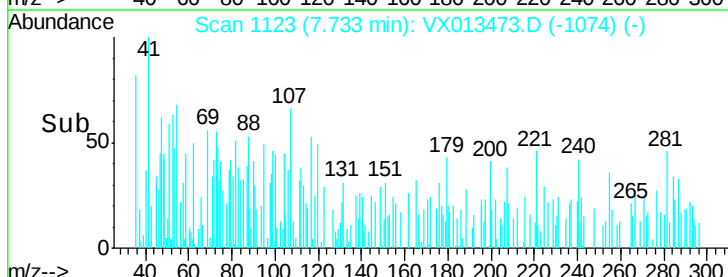
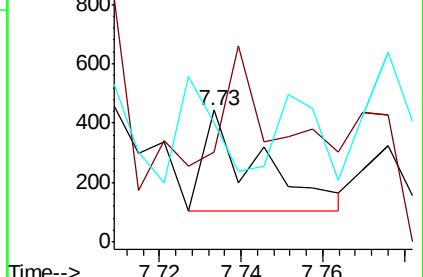
58 93.4 55.0 82.6#

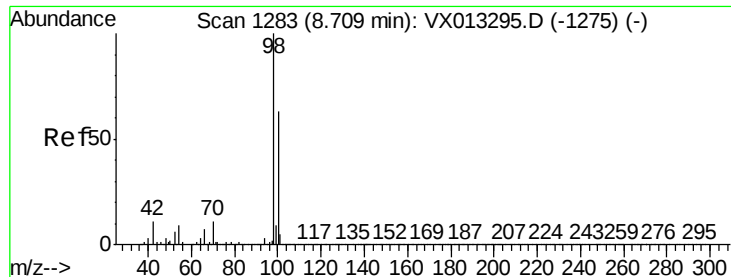


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

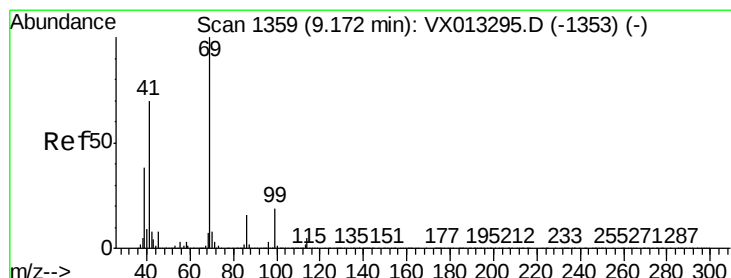
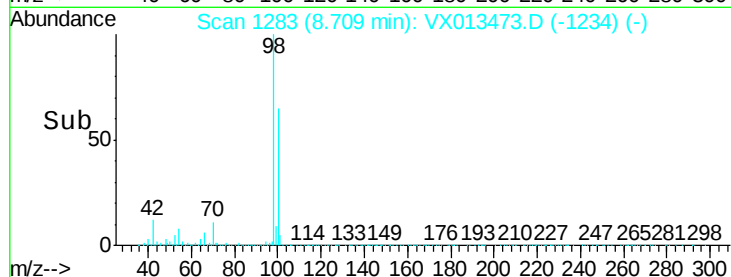
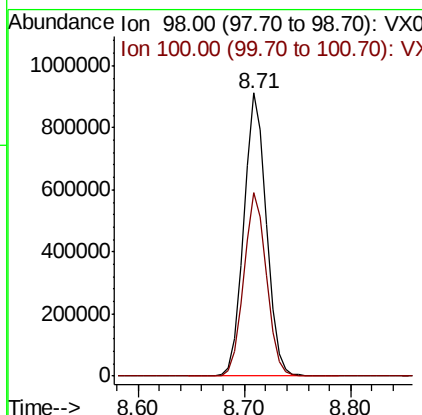
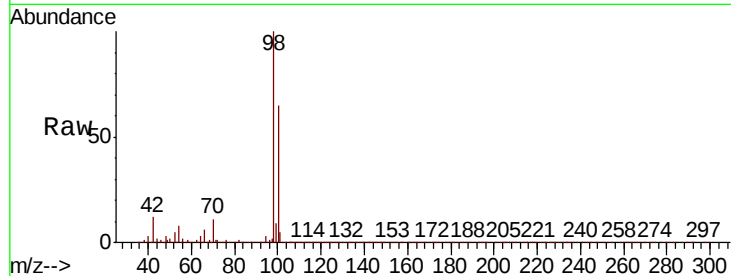




#50
Toluene-d8
Concen: 50.632 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013473.D
Acq: 20 Nov 2019 12:23

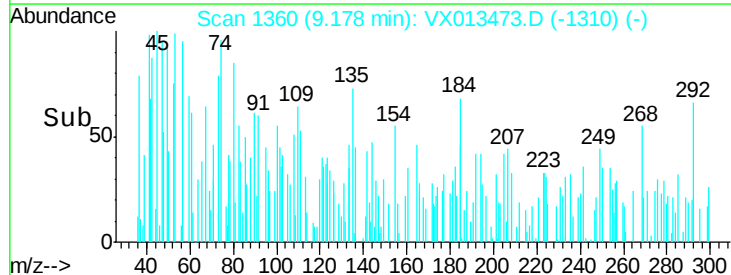
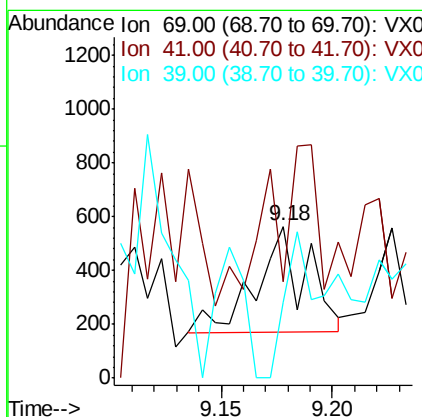
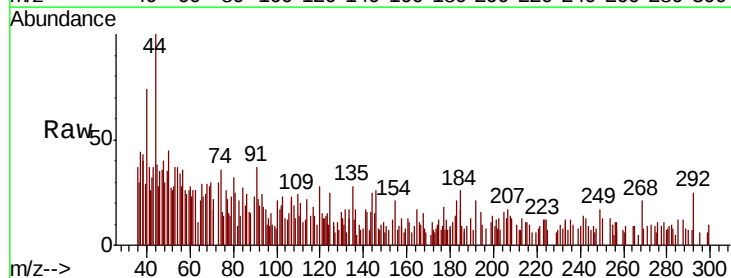
Instrument :
MSVOA_X
ClientSampled :

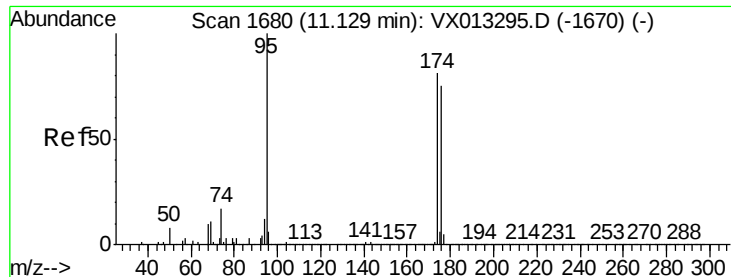
Tot Ion: 98 Resp: 1357950
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.608 ug/l
RT: 9.18 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VX013473.D
Acq: 20 Nov 2019 12:23

Tgt Ion: 69 Resp: 623
Ion Ratio Lower Upper
69 100
41 138.2 56.2 84.2#
39 83.6 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 45.624 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

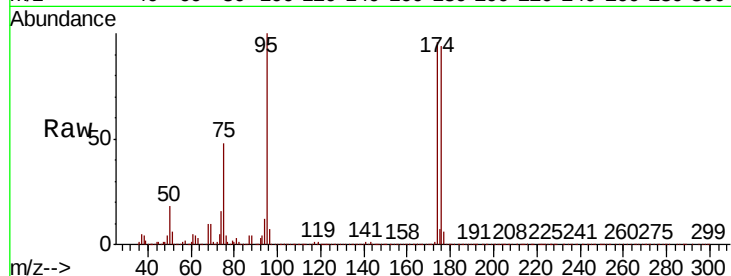
Tot Ion: 95 Resp: 441617

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.8

176 86.5 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->

11.14

400000

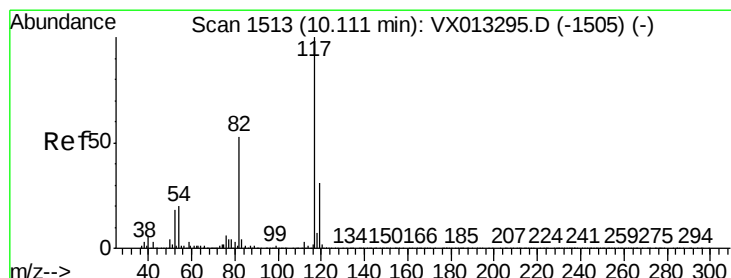
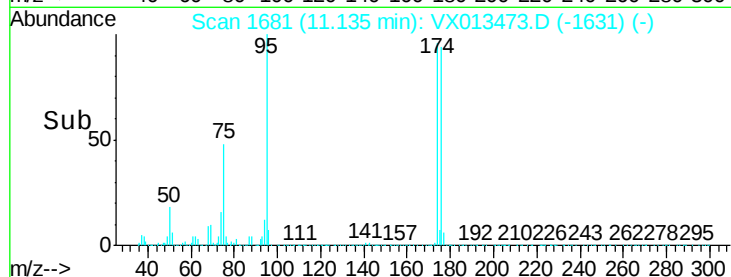
300000

200000

100000

0

11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

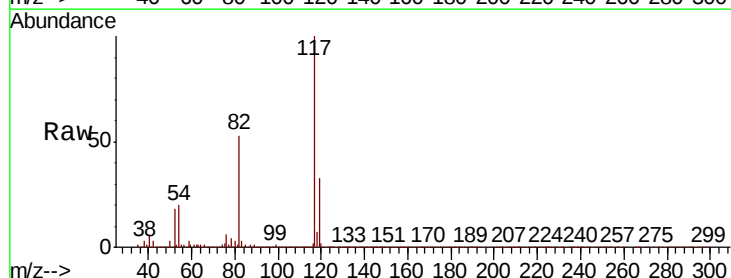
Tgt Ion: 117 Resp: 1002873

Ion Ratio Lower Upper

117 100

82 53.2 42.6 64.0

119 33.0 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time-->

10.11

1000000

800000

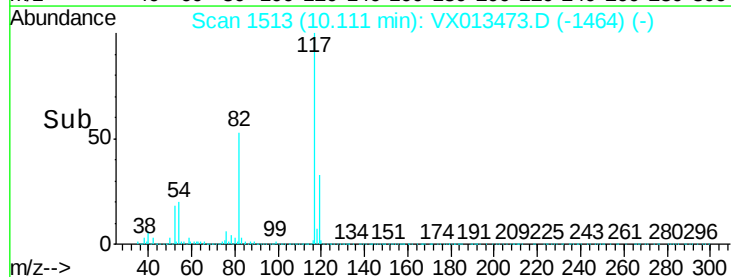
600000

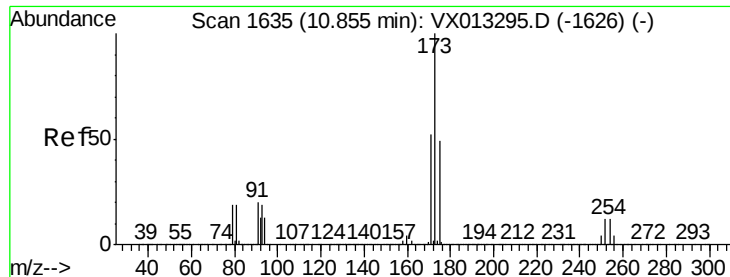
400000

200000

0

10.10 10.20

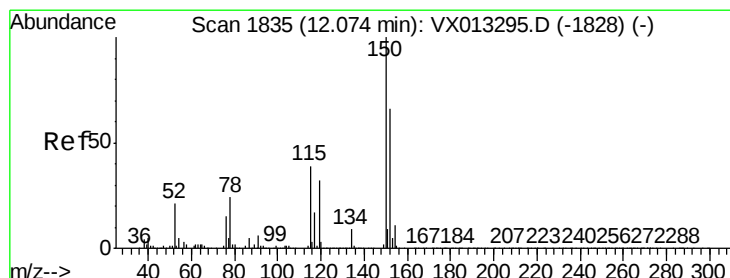
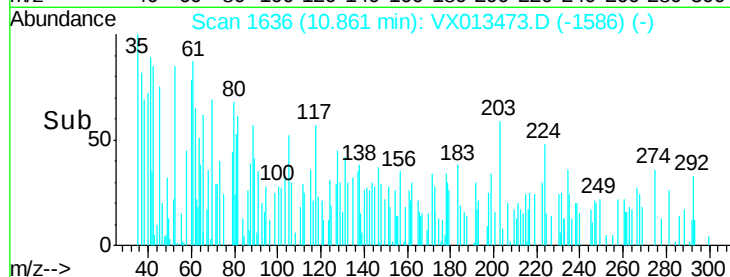
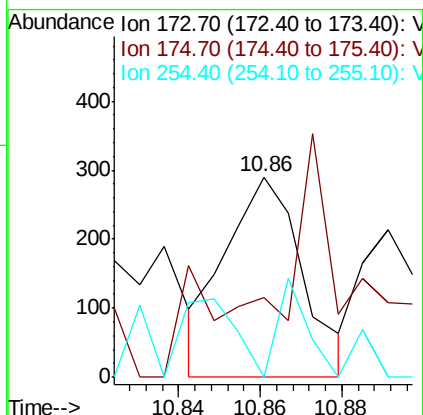
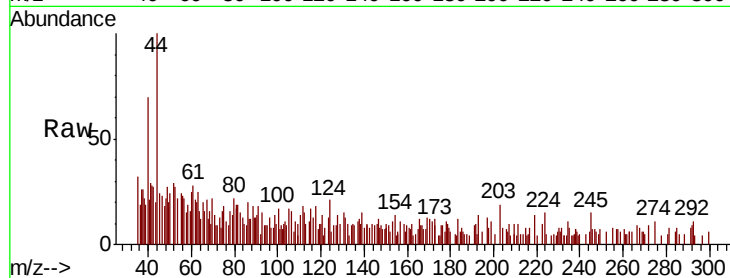




#71
Bromoform
Concen: 3.254 ug/l
RT: 10.86 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX013473.D
Acq: 20 Nov 2019 12:23

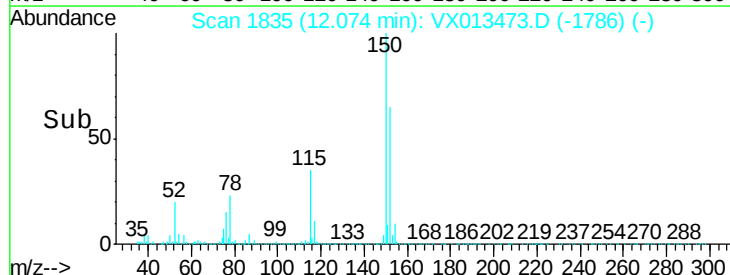
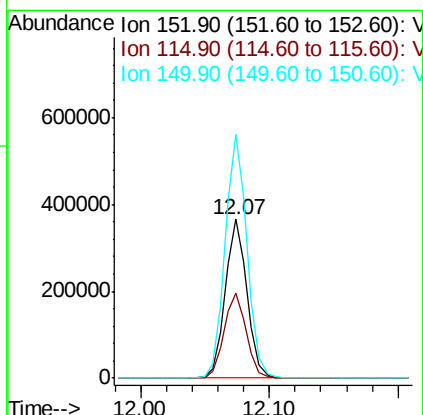
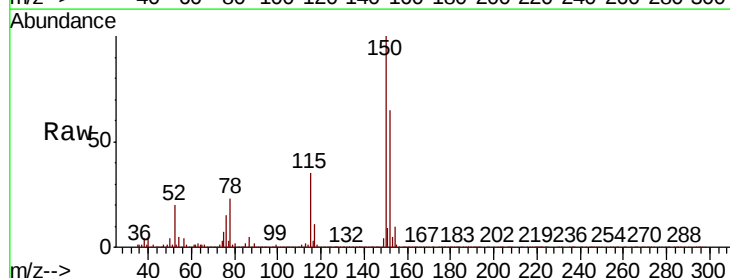
Instrument :
MSVOA_X
ClientSampled :

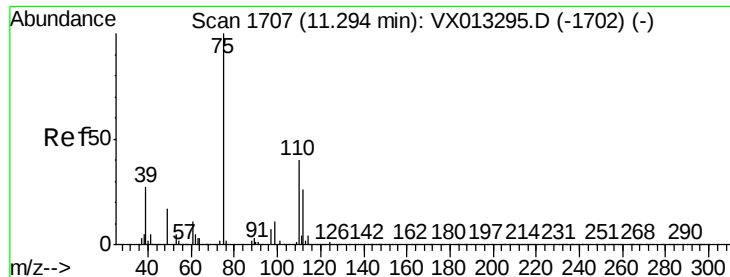
Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.8	74.4
254	18.8	0.2	0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013473.D
Acq: 20 Nov 2019 12:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	39.5	118.3
150	155.2	0.0	344.4

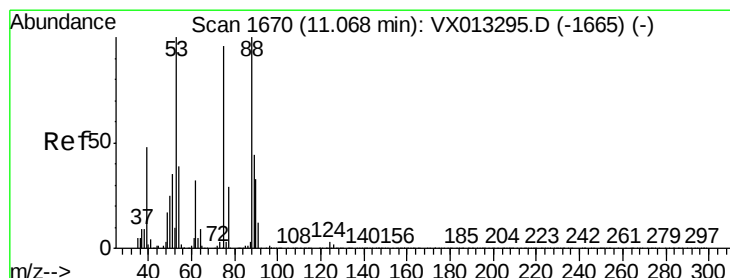
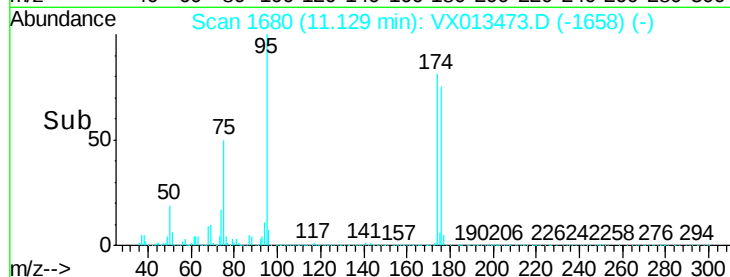
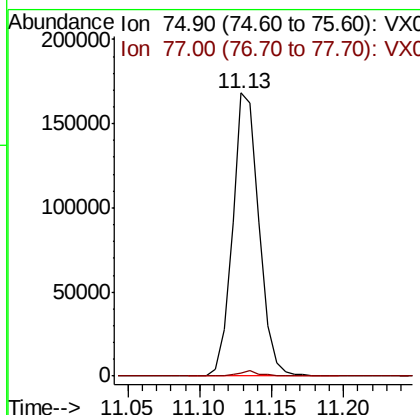
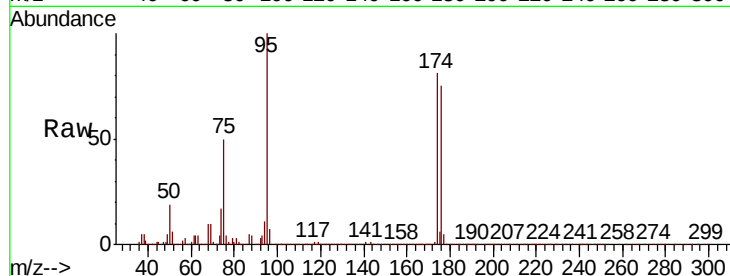




#76
 1,2,3-Trichloropropane
 Concen: 24.497 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013473.D
 Acq: 20 Nov 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 215137
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.054 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013473.D
 Acq: 20 Nov 2019 12:23

Tgt Ion: 75 Resp: 215137
 Ion Ratio Lower Upper
 75 100
 53 0.4 81.0 121.6#
 89 0.0 36.0 54.0#

