

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110619\
 Data File : VX013335.D
 Acq On : 06 Nov 2019 11:32
 Operator : JC/SP
 Sample : K5711-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 07 02:13:00 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	778249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1200312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1073203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	500993	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	439697	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	5.48	113	365359	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	8.71	98	1427006	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	483480	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	

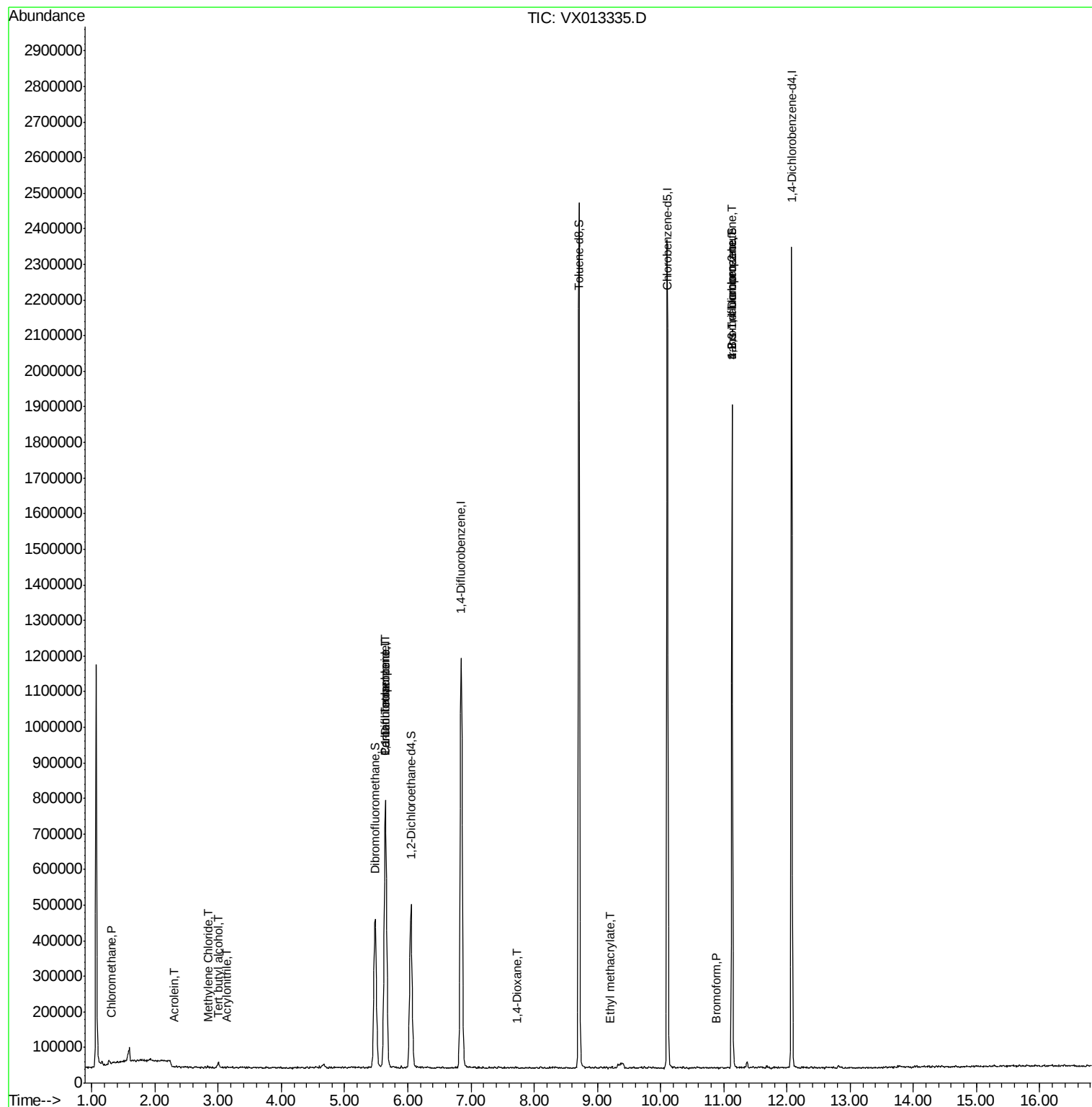
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2043	0.210	ug/l #	43
6) Chloroethane	1.70	64	1075	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	8234	3.388	ug/l #	90
13) Acrolein	2.31	56	632	0.480	ug/l #	44
15) Acrylonitrile	3.13	53	1191	0.262	ug/l #	59
20) Methylene Chloride	2.84	84	2018	0.238	ug/l #	69
36) 1,1-Dichloropropene	5.64	75	51773	5.028	ug/l #	51
38) Carbon Tetrachloride	5.64	117	68565	6.809	ug/l #	15
49) 1,4-Dioxane	7.74	88	166	0.733	ug/l #	1
56) Ethyl methacrylate	9.20	69	978	1.630	ug/l #	34
71) Bromoform	10.88	173	520	3.268	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	239465	23.533	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	239465	60.573	ug/l #	9

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

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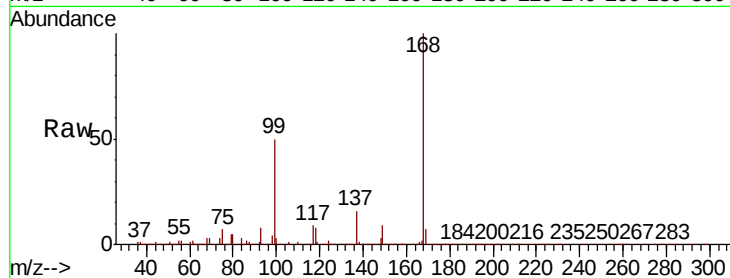


#1

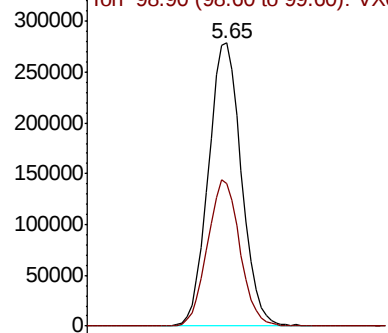
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX013335.D
Acq: 06 Nov 2019 11:32

Instrument :
MSVOA_X
ClientSampled :

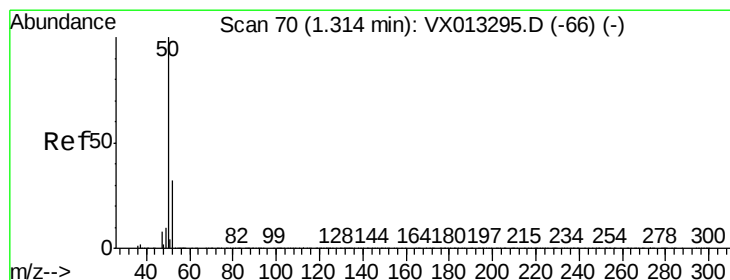
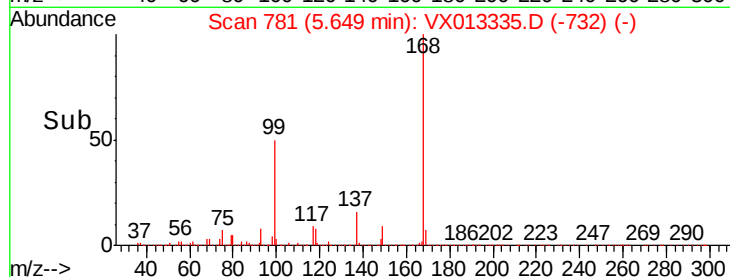
Tot Ion:168 Resp: 778249
Ion Ratio Lower Upper
168 100
99 50.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0



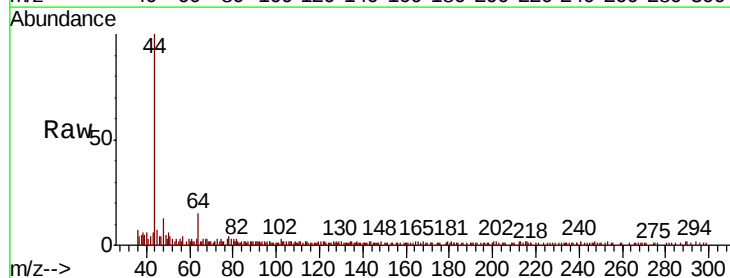
Time-->



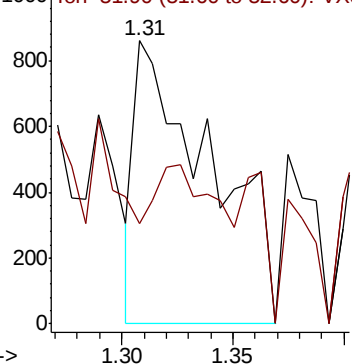
#3

Chloromethane
Concen: 0.210 ug/l
RT: 1.31 min Scan# 69
Delta R.T. -0.01 min
Lab File: VX013335.D
Acq: 06 Nov 2019 11:32

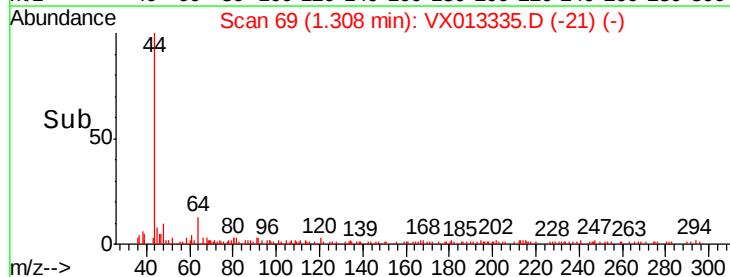
Tgt Ion: 50 Resp: 2043
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

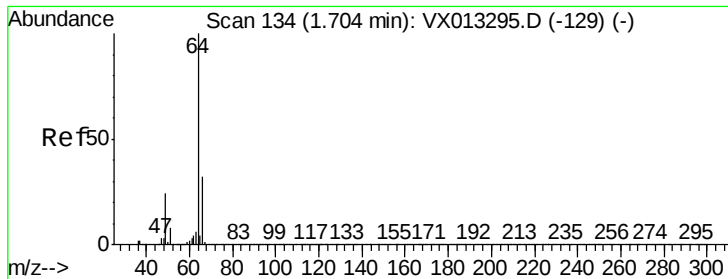


Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0



Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX013335.D

Acq: 06 Nov 2019 11:32

Instrument :

MSVOA_X

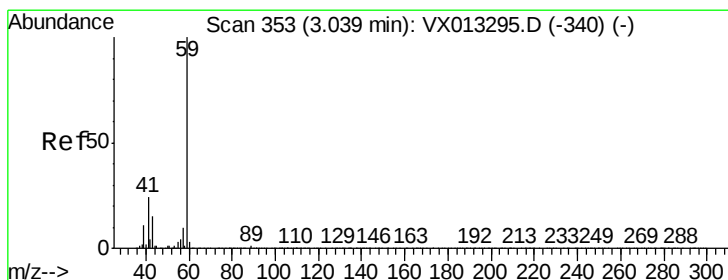
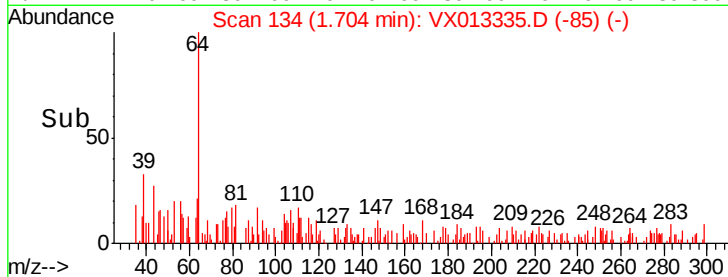
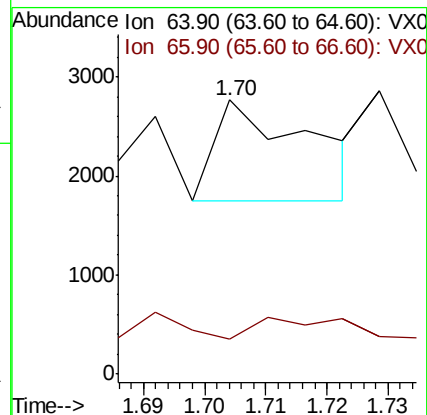
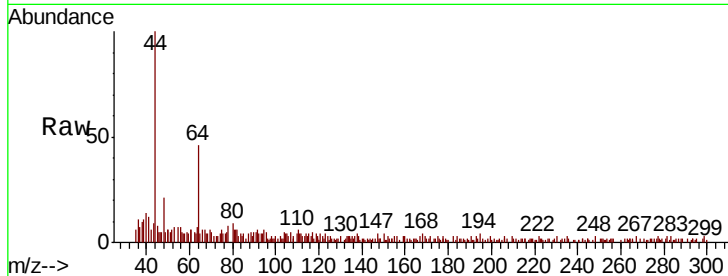
ClientSampleId :

Tot Ion: 64 Resp: 1075

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: 3.388 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX013335.D

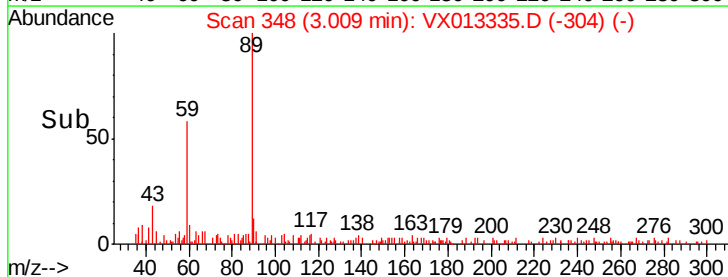
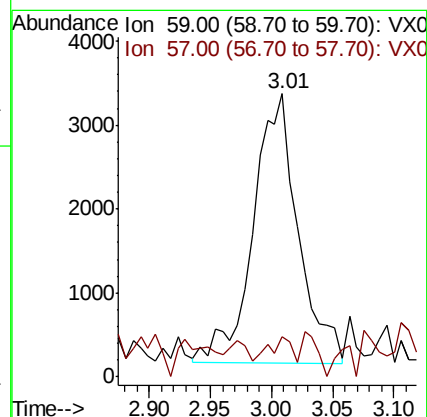
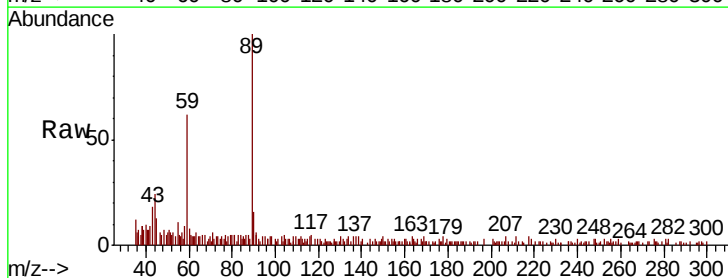
Acq: 06 Nov 2019 11:32

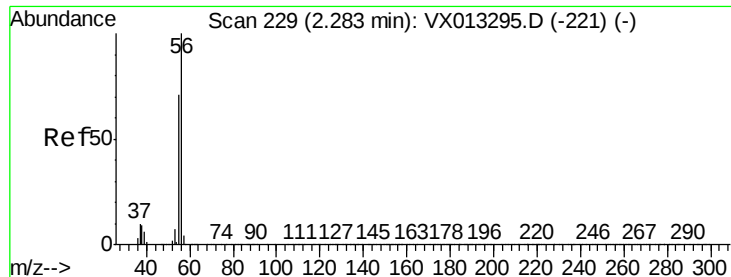
Tgt Ion: 59 Resp: 8234

Ion Ratio Lower Upper

59 100

57 6.2 8.0 12.0#





#13

Acrolein

Concen: 0.480 ug/l

RT: 2.31 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX013335.D

Acq: 06 Nov 2019 11:32

Instrument :

MSVOA_X

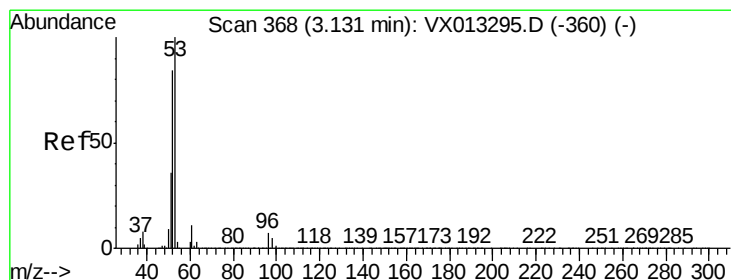
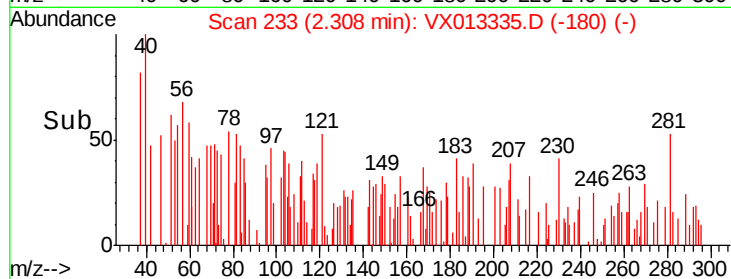
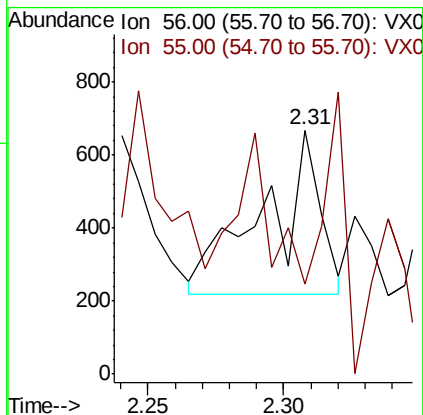
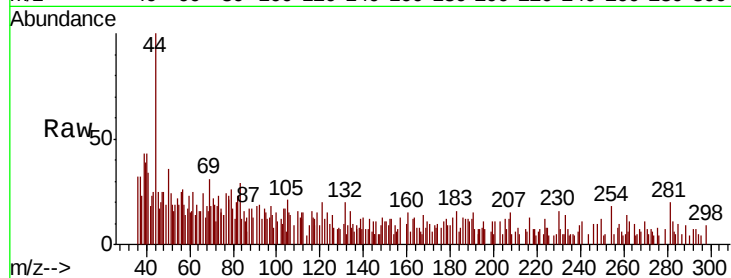
ClientSampled :

Tot Ion: 56 Resp: 632

Ion Ratio Lower Upper

56 100

55 25.2 57.4 86.0#



#15

Acrylonitrile

Concen: 0.262 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013335.D

Acq: 06 Nov 2019 11:32

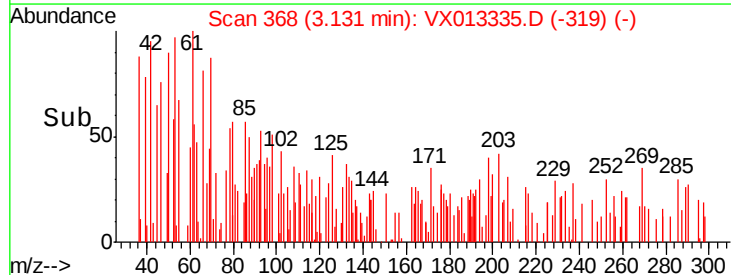
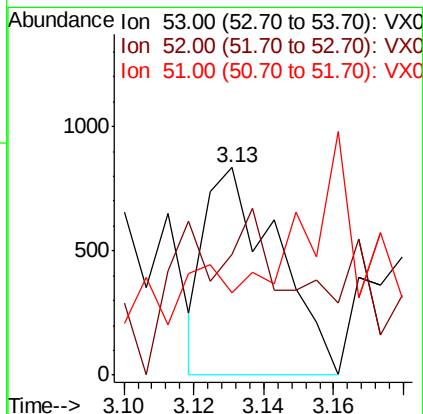
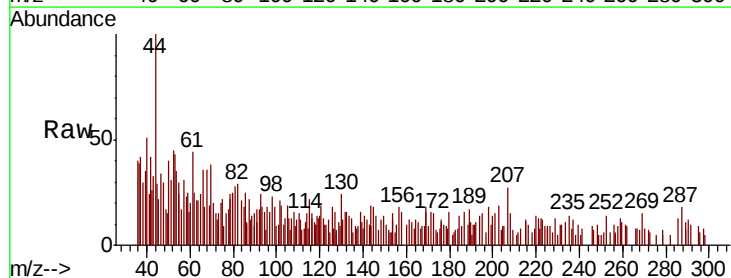
Tgt Ion: 53 Resp: 1191

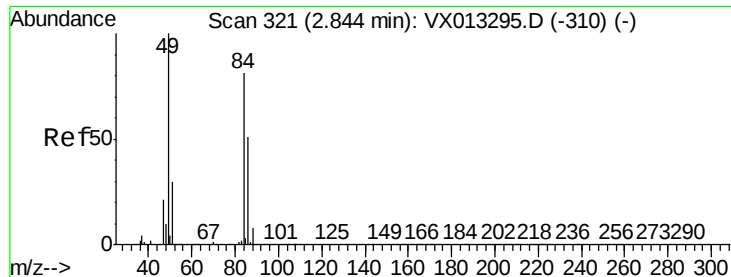
Ion Ratio Lower Upper

53 100

52 43.5 67.4 101.0#

51 17.5 29.4 44.2#

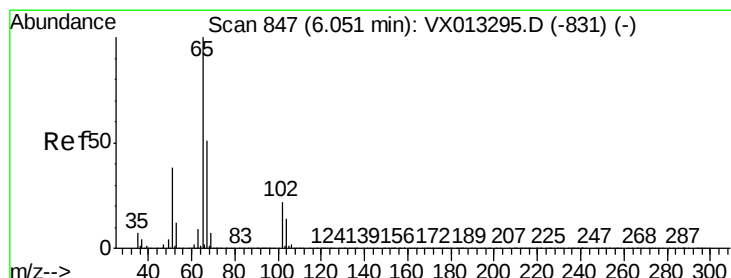
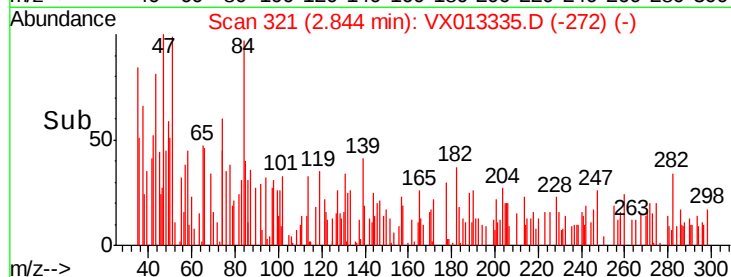
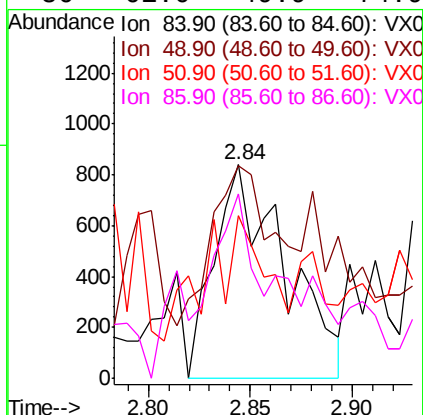
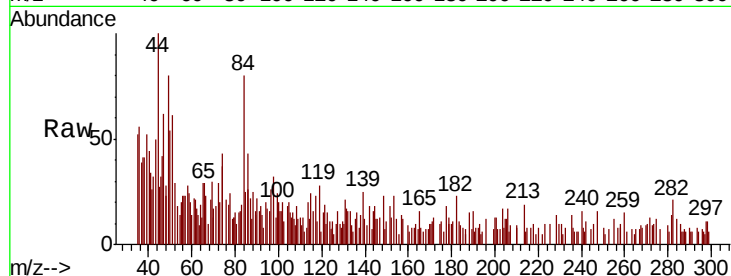




#20
Methvlene Chloride
Concen: 0.238 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013335.D
Acq: 06 Nov 2019 11:32

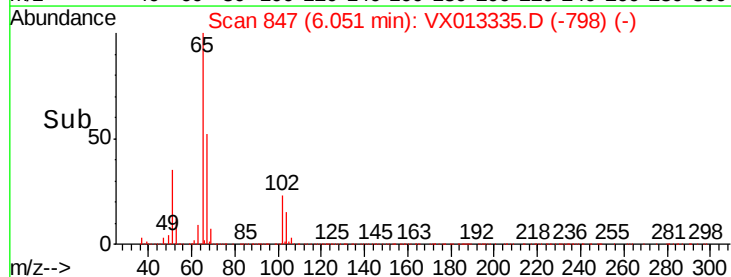
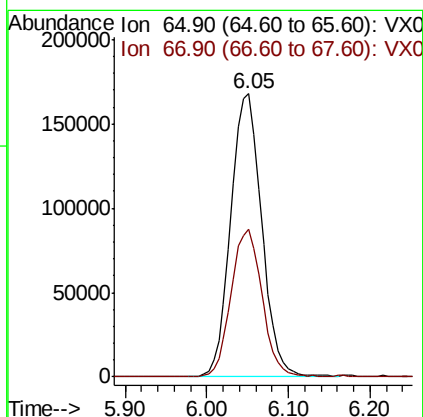
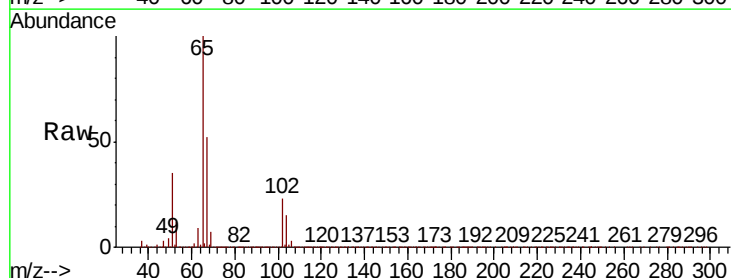
Instrument :
MSVOA_X
ClientSampleId :

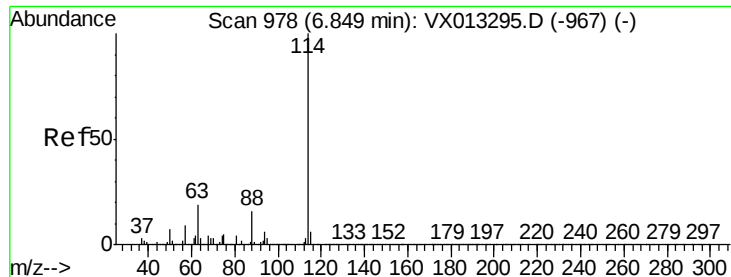
Tot Ion: 84 Resp: 2018
Ion Ratio Lower Upper
84 100
49 62.4 98.2 147.4#
51 42.1 29.9 44.9
86 61.0 49.9 74.9



#33
1,2-Dichloroethane-d4
Concen: 47.690 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013335.D
Acq: 06 Nov 2019 11:32

Tgt Ion: 65 Resp: 439697
Ion Ratio Lower Upper
65 100
67 52.0 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: VX013335.D

Acq: 06 Nov 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

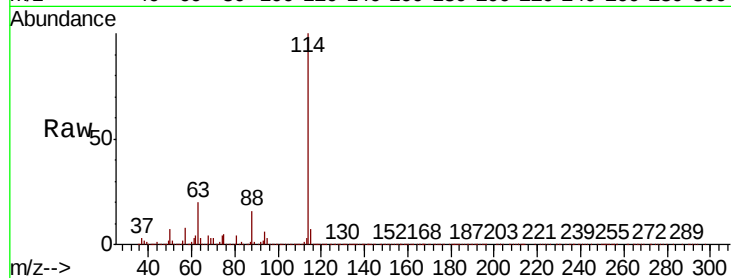
Tot Ion:114 Resp: 1200312

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

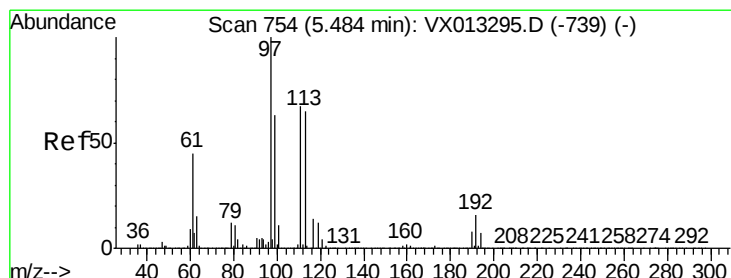
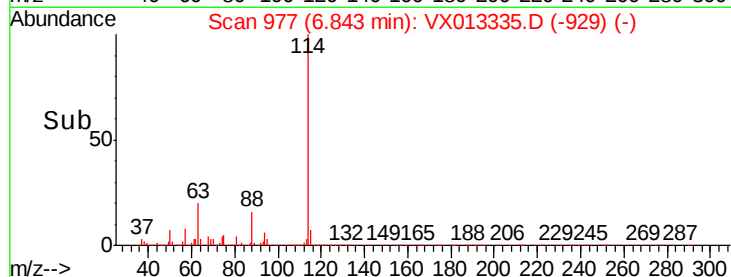
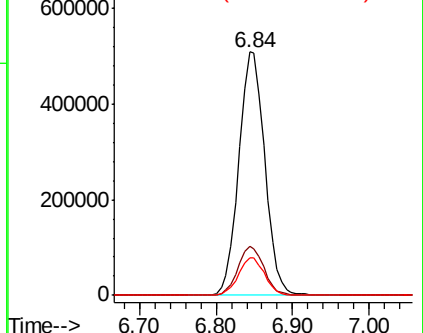
88 15.5 0.0 32.2



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: 48.530 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013335.D

Acq: 06 Nov 2019 11:32

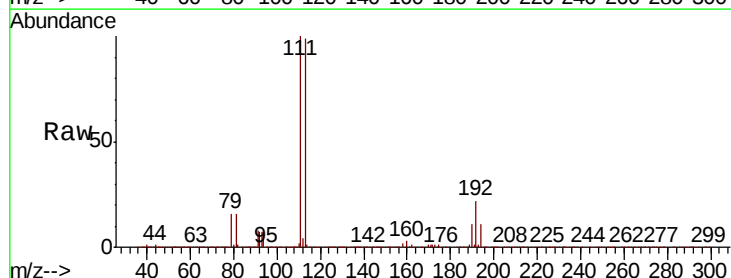
Tgt Ion:113 Resp: 365359

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

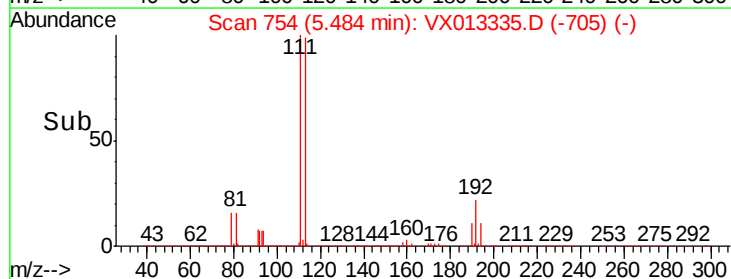
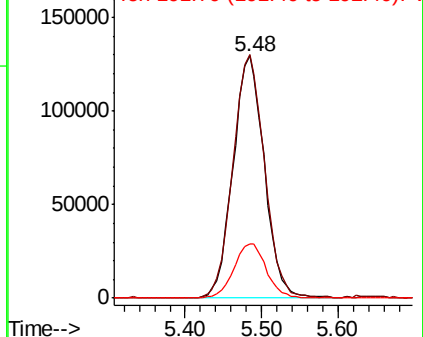
192 23.5 19.1 28.7

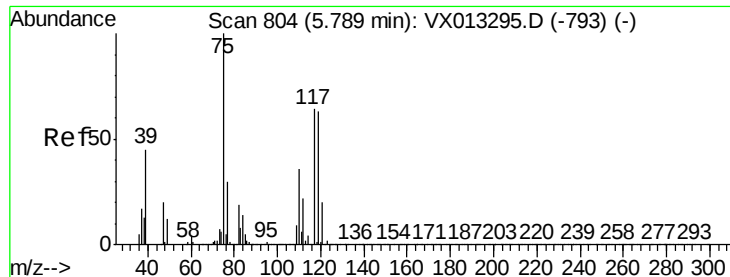


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.028 ug/l

RT: 5.64 min Scan# 780

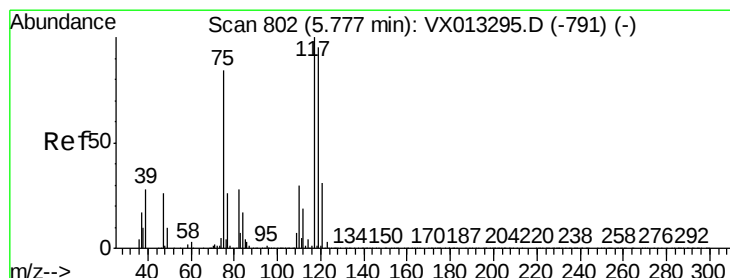
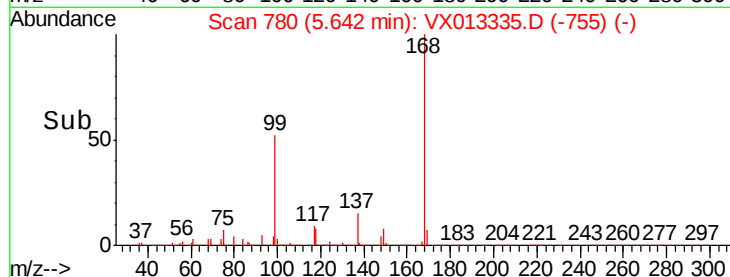
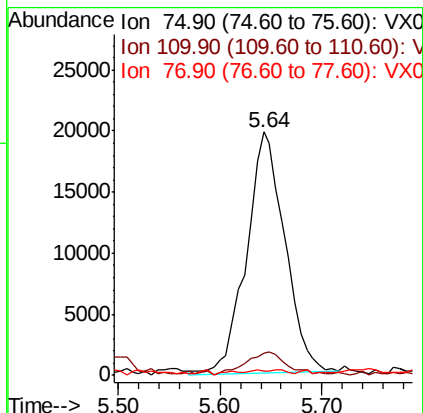
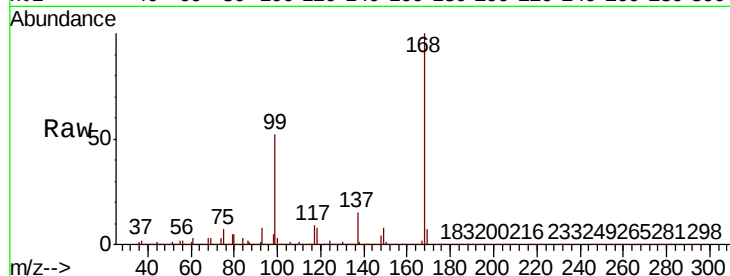
Delta R.T. -0.15 min

Lab File: VX013335.D

Acq: 06 Nov 2019 11:32

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	51773
Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.1	54.1#
77	0.2	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.809 ug/l

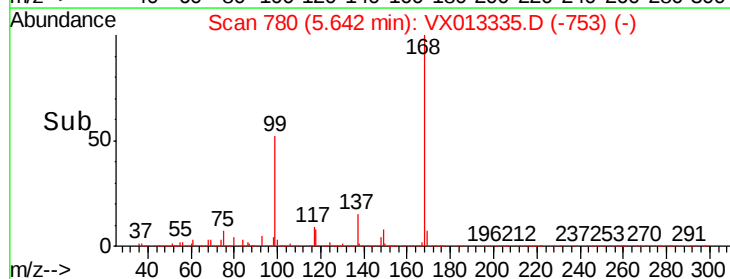
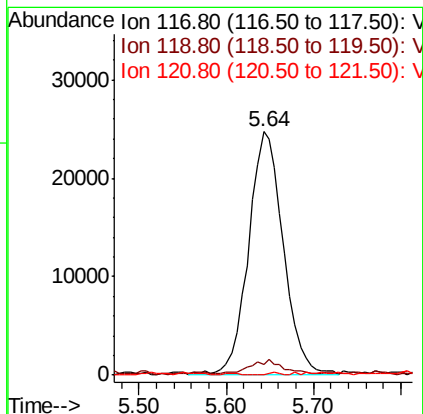
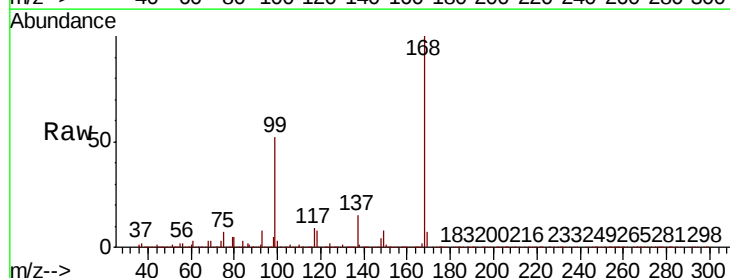
RT: 5.64 min Scan# 780

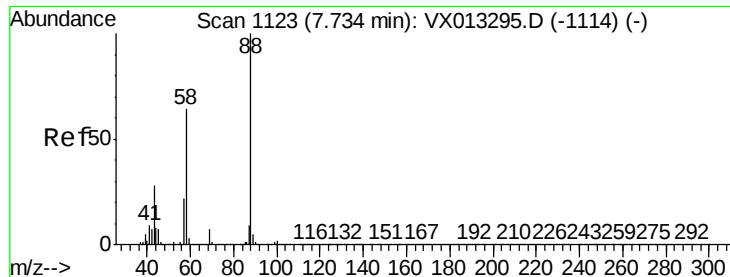
Delta R.T. -0.13 min

Lab File: VX013335.D

Acq: 06 Nov 2019 11:32

Tgt Ion:	117	Resp:	68565
Ion	Ratio	Lower	Upper
117	100		
119	3.7	76.1	114.1#
121	0.0	24.6	37.0#





#49

1,4-Dioxane

Concen: 0.733 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013335.D

Acq: 06 Nov 2019 11:32

Instrument :
MSVOA_X
ClientSampled :

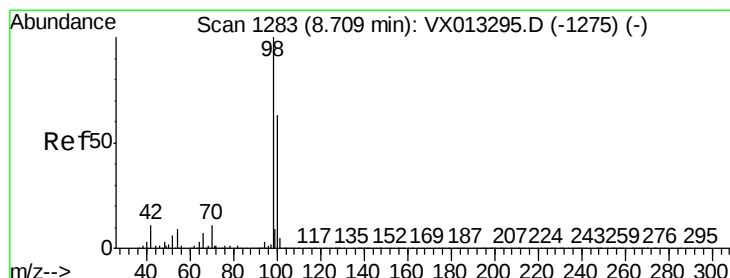
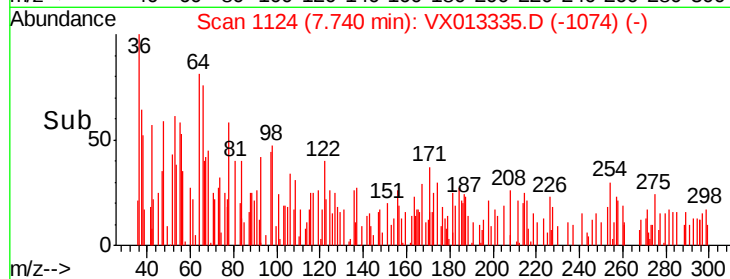
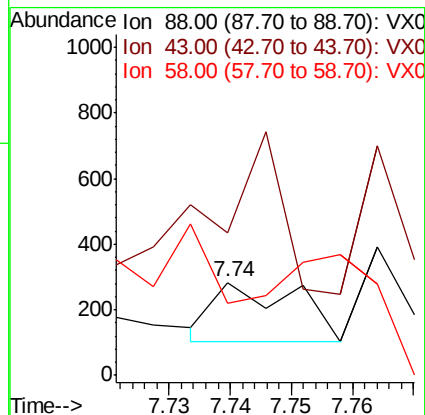
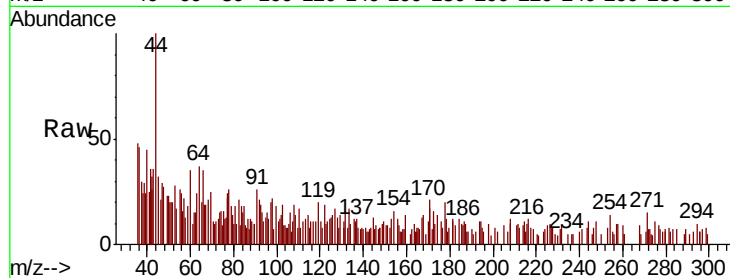
Tot Ion: 88 Resp: 166

Ion Ratio Lower Upper

88 100

43 246.4 26.6 39.8#

58 183.7 55.0 82.6#



#50

Toluene-d8

Concen: 50.279 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013335.D

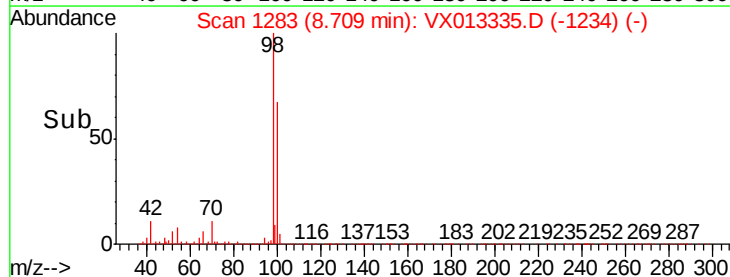
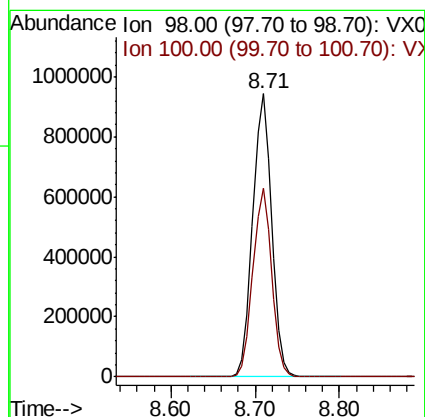
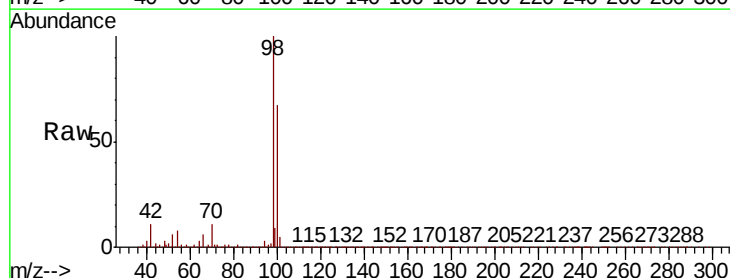
Acq: 06 Nov 2019 11:32

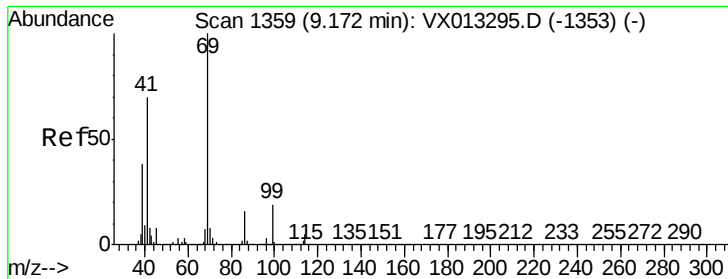
Tgt Ion: 98 Resp: 1427006

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.630 ug/l

RT: 9.20 min Scan# 1363

Delta R.T. 0.02 min

Lab File: VX013335.D

Acq: 06 Nov 2019 11:32

Instrument :
MSVOA_X
ClientSampled :

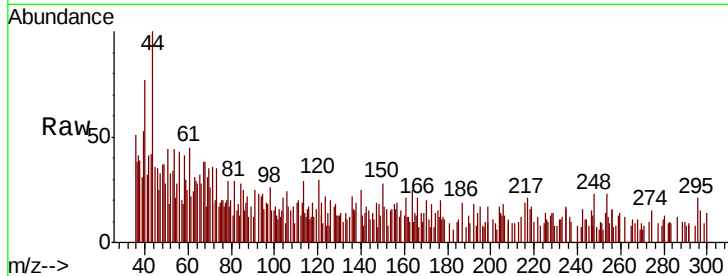
Tot Ion: 69 Resp: 978

Ion Ratio Lower Upper

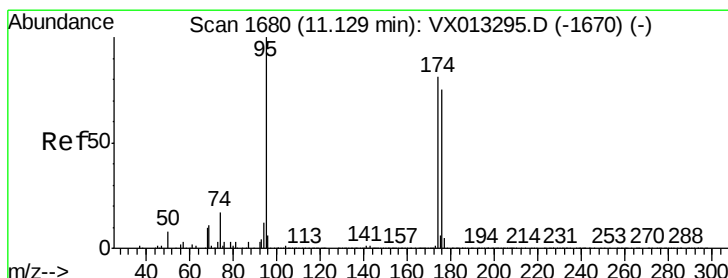
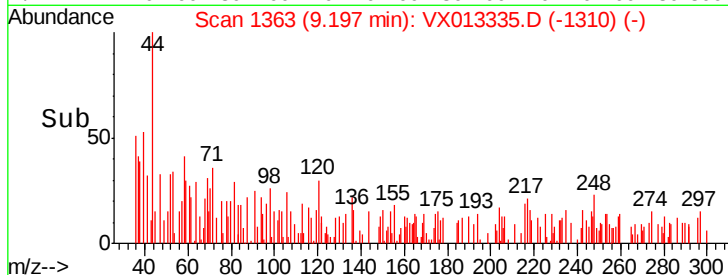
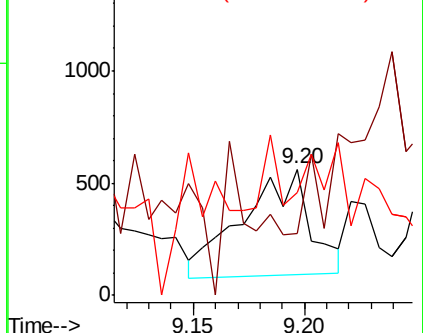
69 100

41 0.0 56.2 84.2#

39 19.9 31.1 46.7#



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.200 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013335.D

Acq: 06 Nov 2019 11:32

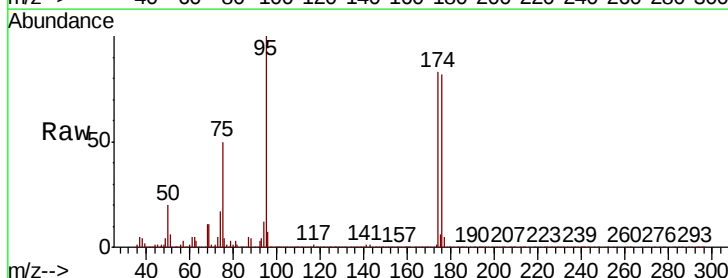
Tgt Ion: 95 Resp: 483480

Ion Ratio Lower Upper

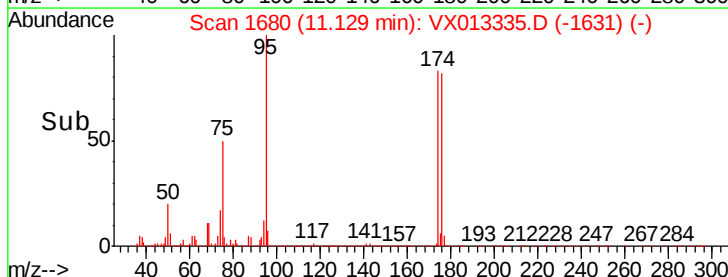
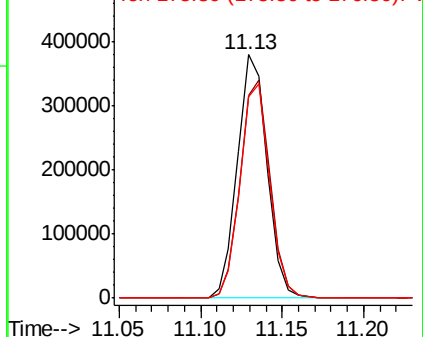
95 100

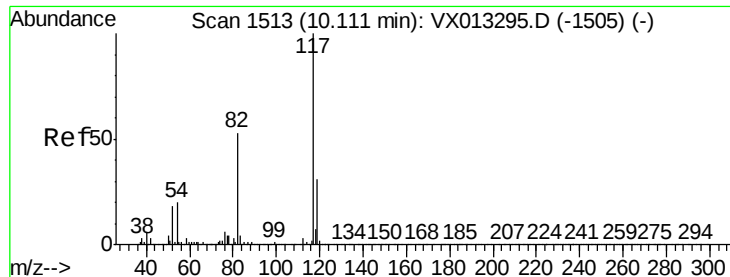
174 90.6 0.0 179.8

176 88.3 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

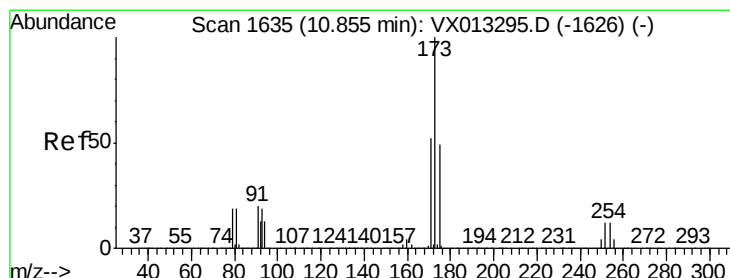
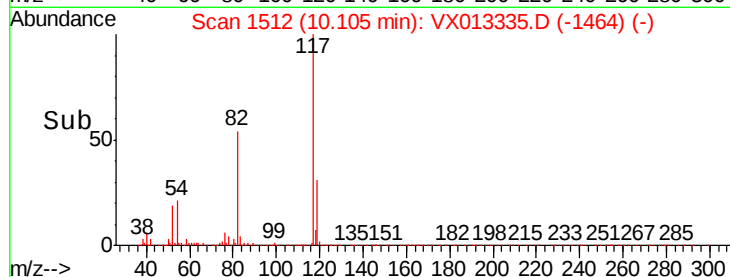
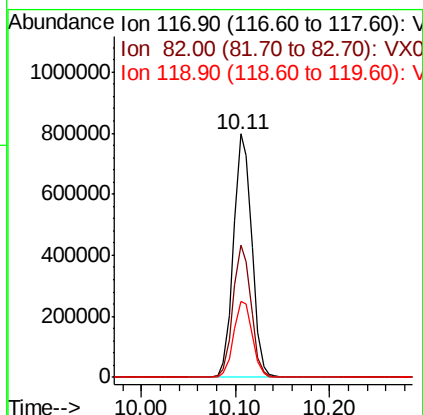
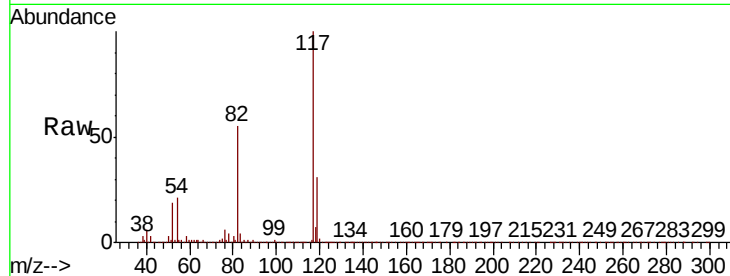




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013335.D
Acq: 06 Nov 2019 11:32

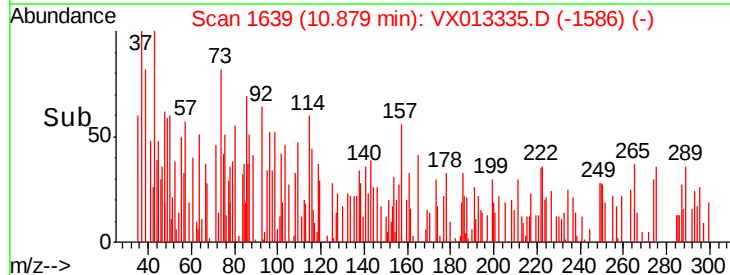
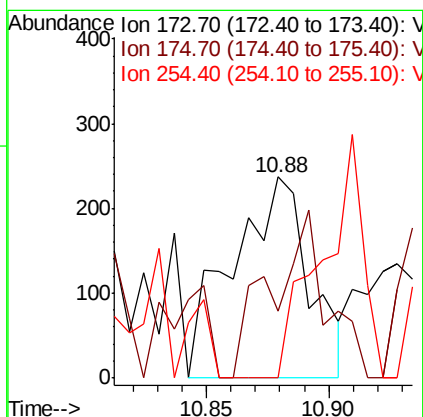
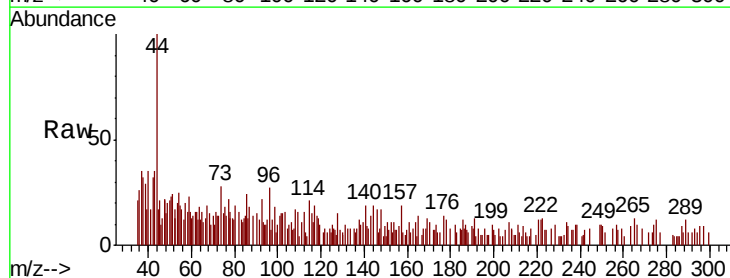
Instrument :
MSVOA_X
ClientSampled :

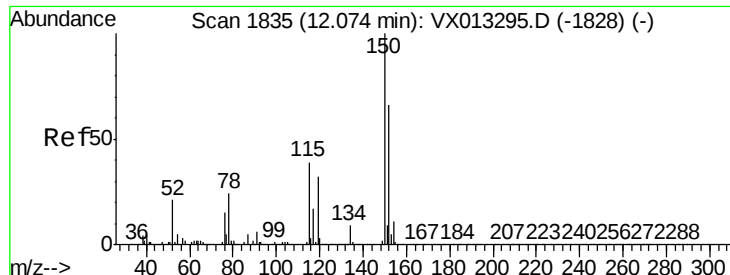
Tot Ion:117 Resp: 1073203
Ion Ratio Lower Upper
117 100
82 54.5 42.6 64.0
119 31.0 24.8 37.2



#71
Bromoform
Concen: 3.268 ug/l
RT: 10.88 min Scan# 1639
Delta R.T. 0.03 min
Lab File: VX013335.D
Acq: 06 Nov 2019 11:32

Tgt Ion:173 Resp: 520
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 0.0 0.2 0.2#



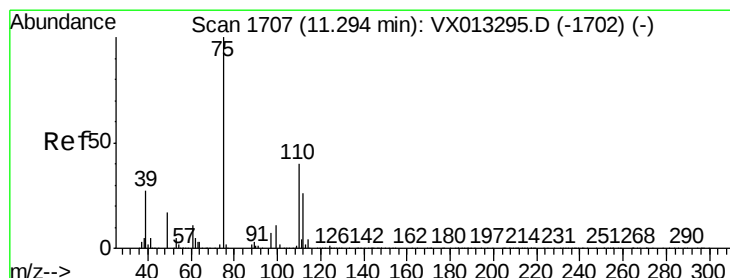
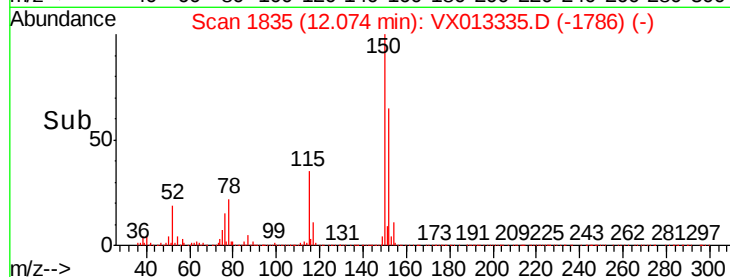
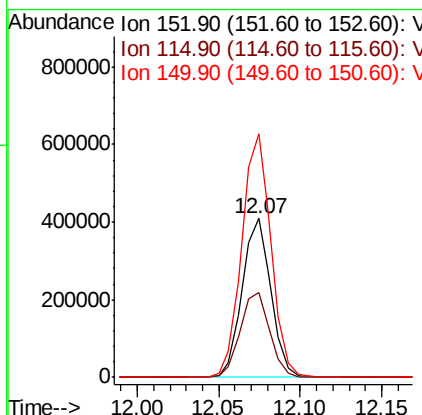
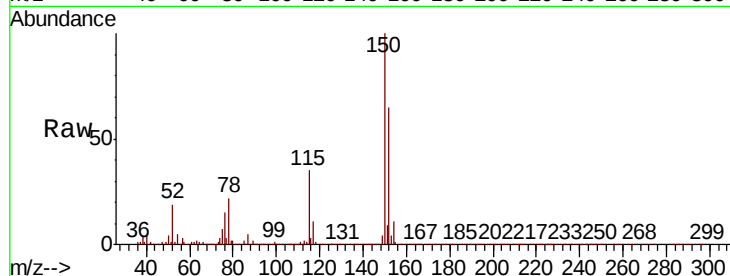


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013335.D
Acq: 06 Nov 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :

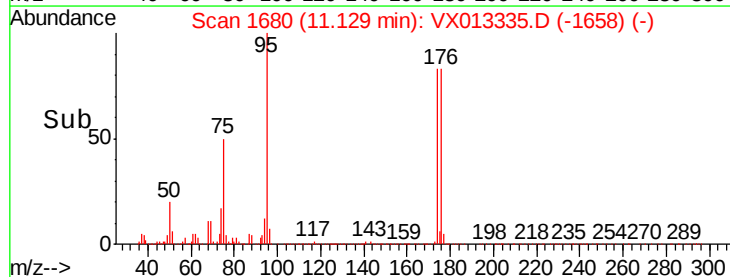
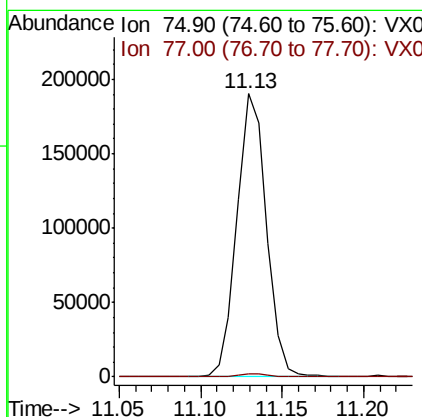
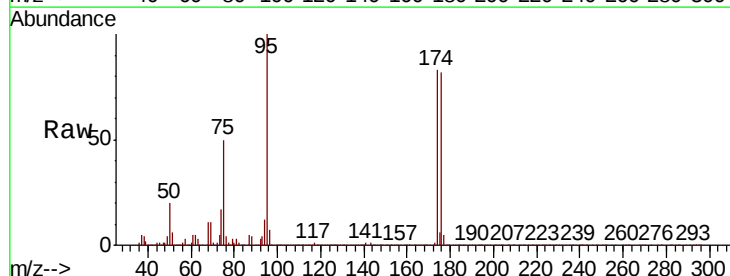
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	39.5	118.3
150	156.0	0.0	344.4

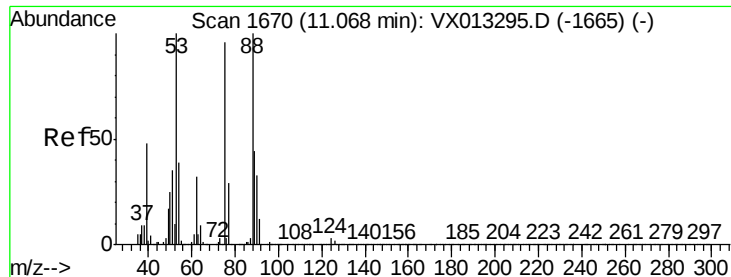


#76

1,2,3-Trichloropropane
Concen: 23.533 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013335.D
Acq: 06 Nov 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	22.3	66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 60.573 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013335.D

Acq: 06 Nov 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 239465

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.1 36.0 54.0#

