

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111519\
 Data File : VX013438.D
 Acq On : 15 Nov 2019 11:56
 Operator : JC/SP
 Sample : K5842-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0166

Quant Time: Nov 15 22:59:57 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	701811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1124146	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	985496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	428794	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	410019	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
35) Dibromofluoromethane	5.48	113	346331	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	8.71	98	1340896	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.14	95	433708	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	

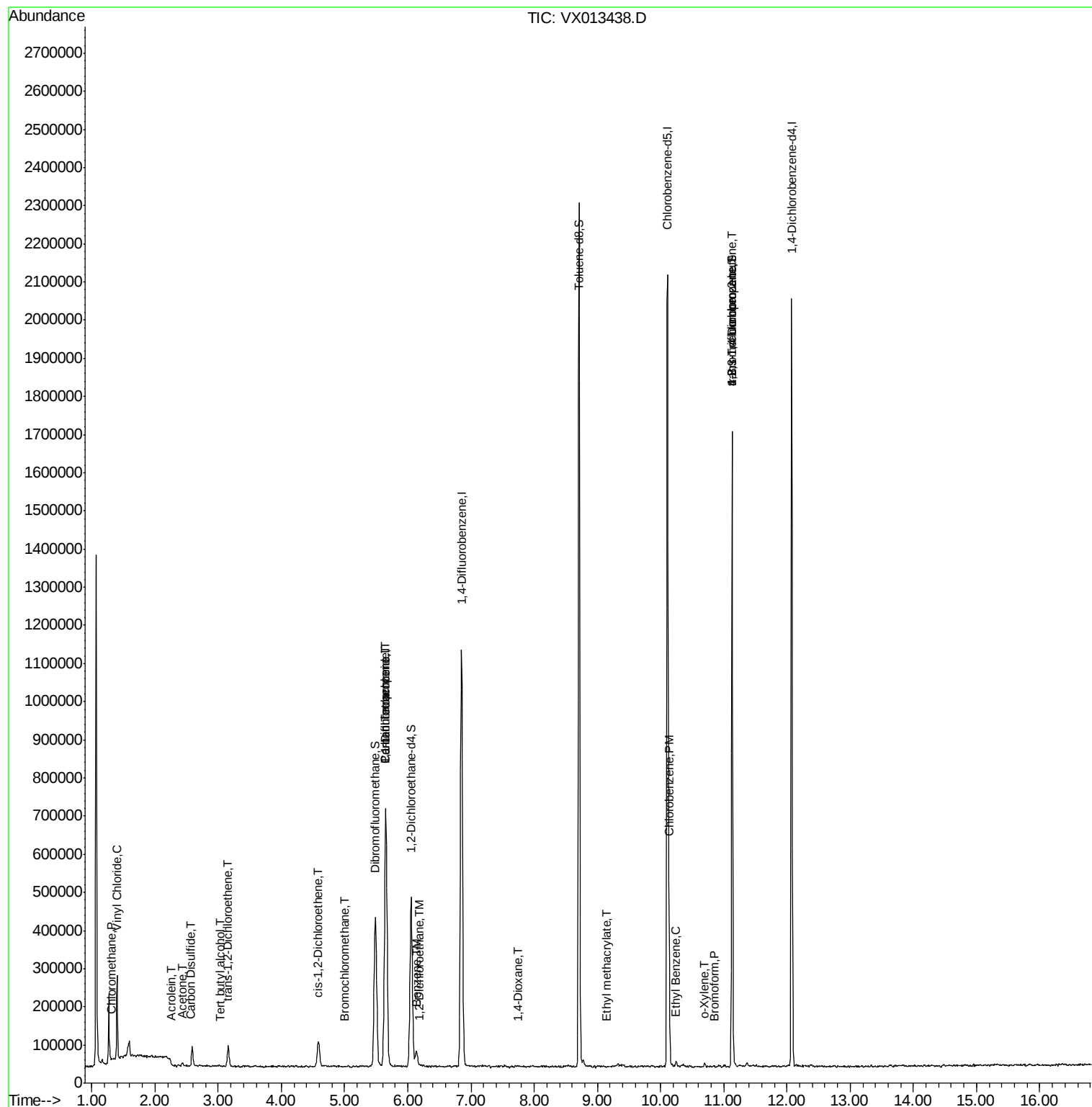
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2623	0.299	ug/l #	67
4) Vinyl Chloride	1.40	62	135896	13.612	ug/l	99
6) Chloroethane	1.75	64	1768	Below Cal	#	65
11) Tert butyl alcohol	3.03	59	3470	1.583	ug/l #	88
13) Acrolein	2.26	56	687	0.578	ug/l #	62
16) Acetone	2.43	43	12264	2.957	ug/l	98
17) Carbon Disulfide	2.56	76	4528	0.263	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	26657	3.803	ug/l	93
27) cis-1,2-Dichloroethene	4.58	96	43436	5.532	ug/l	95
28) Bromochloromethane	5.00	49	1549	0.432	ug/l #	12
36) 1,1-Dichloropropene	5.65	75	46105	4.781	ug/l #	51
38) Carbon Tetrachloride	5.65	117	60781	6.445	ug/l #	17
40) Benzene	6.14	78	50974	1.697	ug/l	98
42) 1,2-Dichloroethane	6.19	62	2176	0.201	ug/l #	15
49) 1,4-Dioxane	7.74	88	186	0.877	ug/l #	1
56) Ethyl methacrylate	9.14	69	443	1.596	ug/l #	22
65) Chlorobenzene	10.14	112	174769	8.760	ug/l	97
67) Ethyl Benzene	10.25	91	8993	0.261	ug/l	99
69) o-Xylene	10.70	106	2814	0.221	ug/l	90
71) Bromoform	10.85	173	410	3.259	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	215658	24.762	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	215658	63.736	ug/l #	10

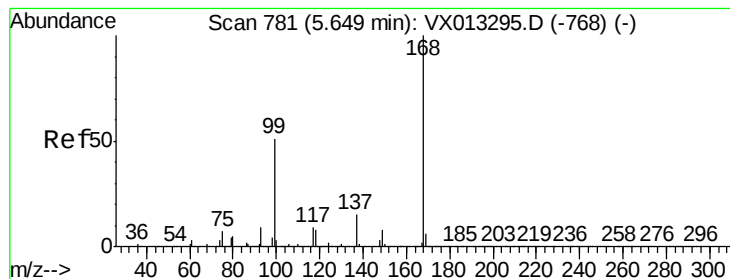
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampled :

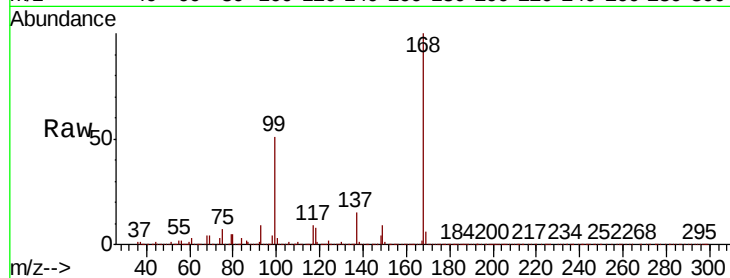
S36-0166

Tot Ion:168 Resp: 701811

Ion Ratio Lower Upper

168 100

99 50.5 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

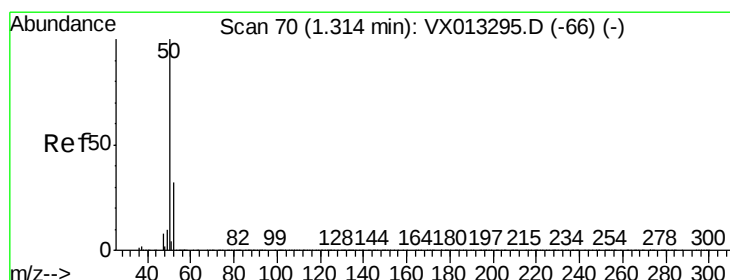
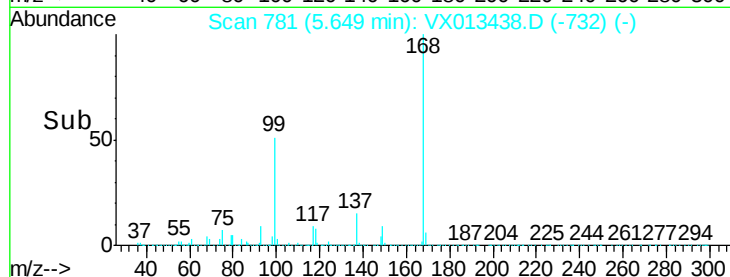
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.299 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013438.D

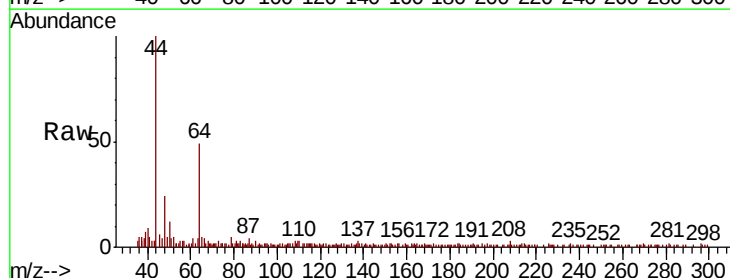
Acq: 15 Nov 2019 11:56

Tgt Ion: 50 Resp: 2623

Ion Ratio Lower Upper

50 100

52 13.5 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

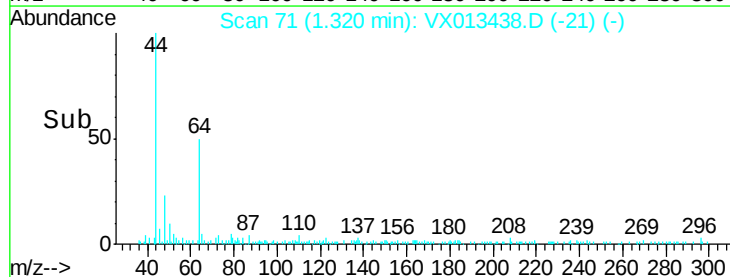
1500

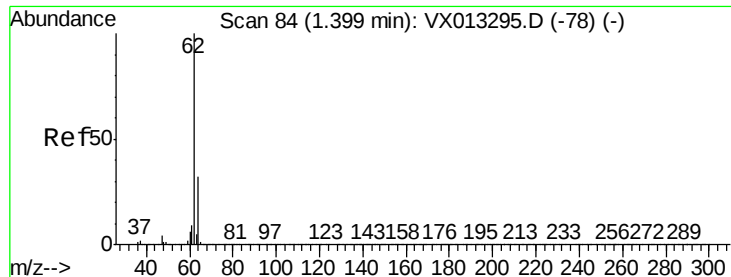
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 13.612 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampled :

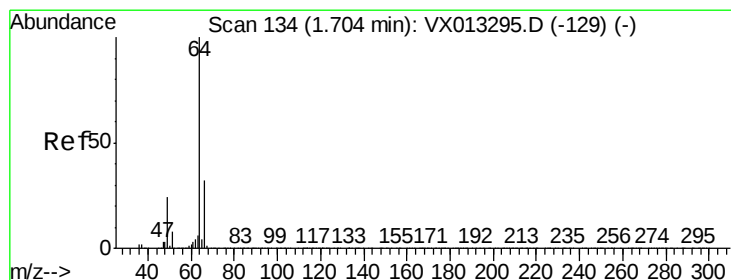
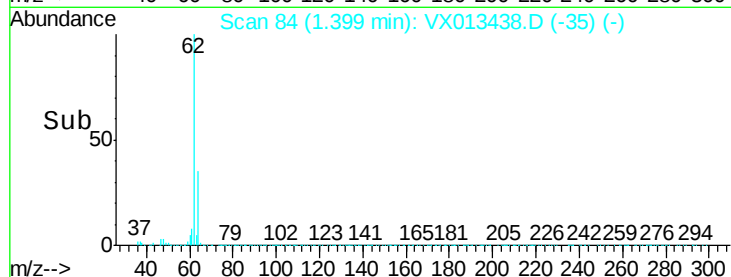
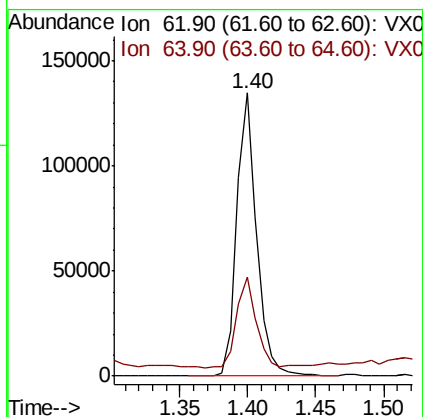
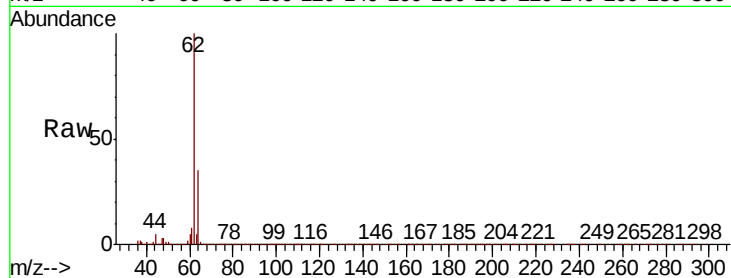
S36-0166

Tot Ion: 62 Resp: 135896

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX013438.D

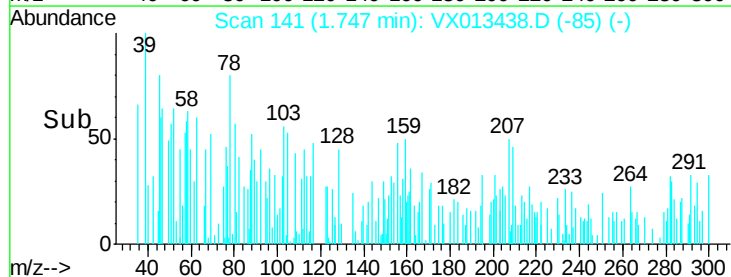
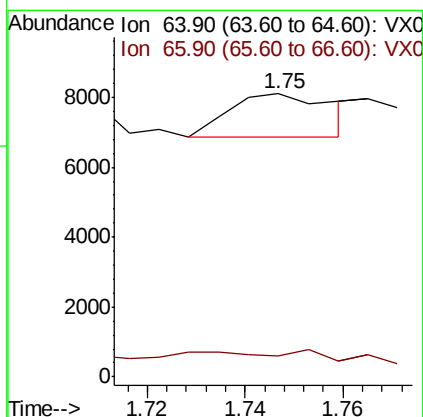
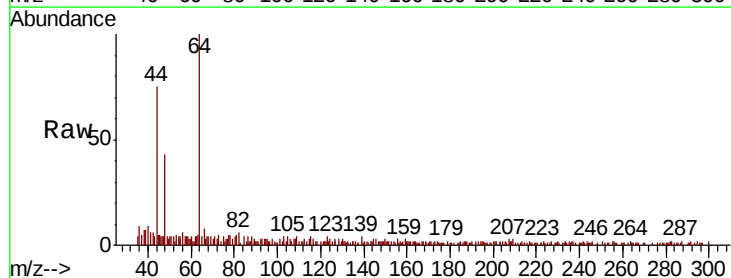
Acq: 15 Nov 2019 11:56

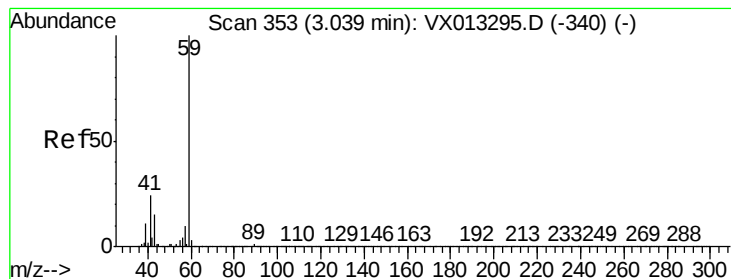
Tgt Ion: 64 Resp: 1768

Ion Ratio Lower Upper

64 100

66 12.3 25.6 38.4#



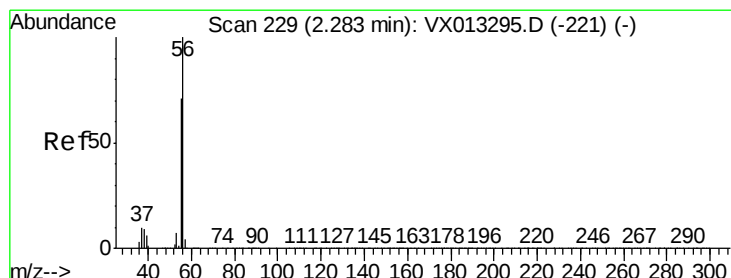
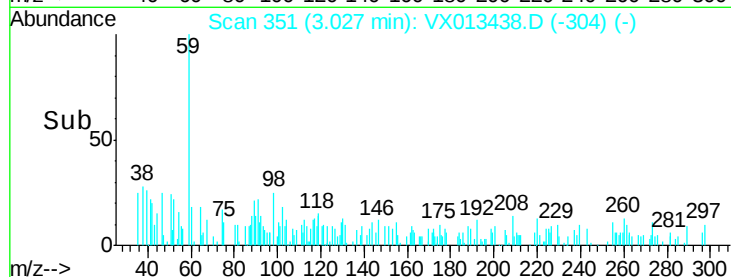
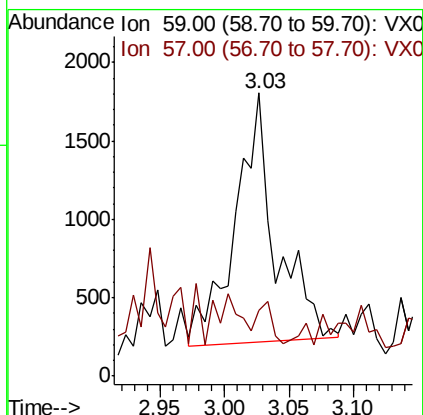
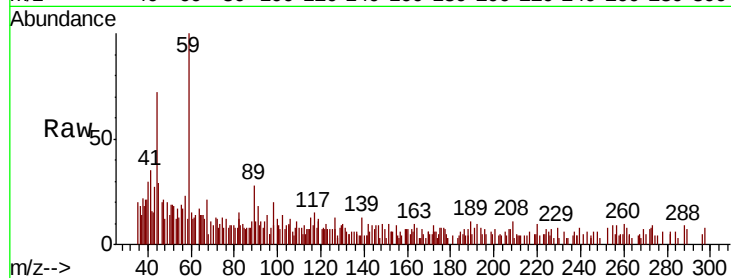


#11

Tert butyl alcohol
 Concen: 1.583 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013438.D
 Acq: 15 Nov 2019 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0166

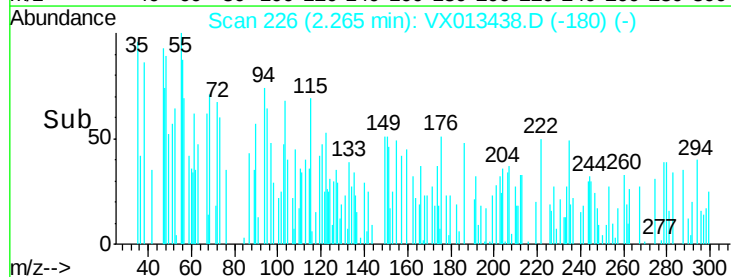
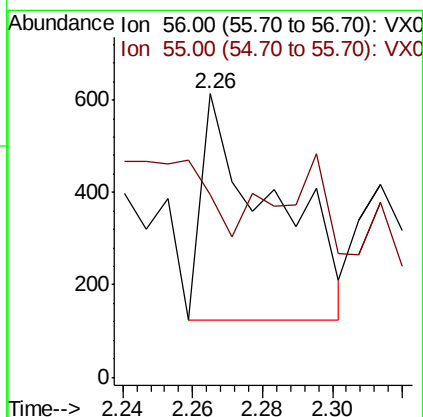
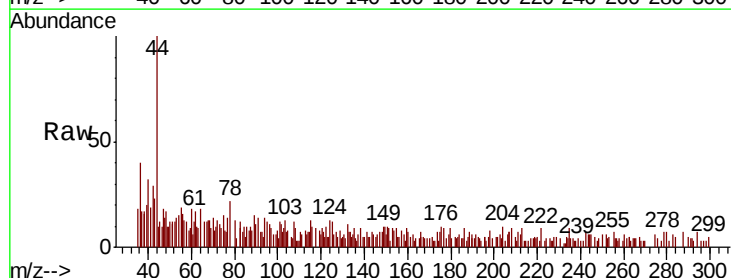
Tot Ion: 59 Resp: 3470
 Ion Ratio Lower Upper
 59 100
 57 5.5 8.0 12.0#

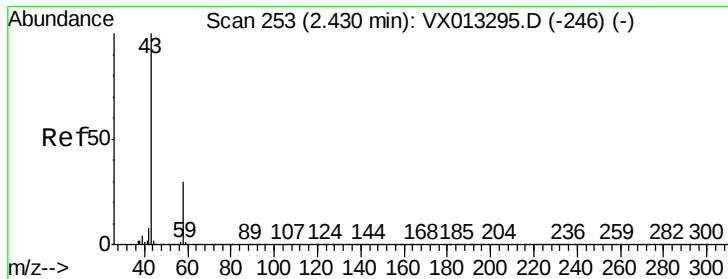


#13

Acrolein
 Concen: 0.578 ug/l
 RT: 2.26 min Scan# 226
 Delta R.T. -0.02 min
 Lab File: VX013438.D
 Acq: 15 Nov 2019 11:56

Tgt Ion: 56 Resp: 687
 Ion Ratio Lower Upper
 56 100
 55 40.0 57.4 86.0#





#16

Acetone

Concen: 2.957 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

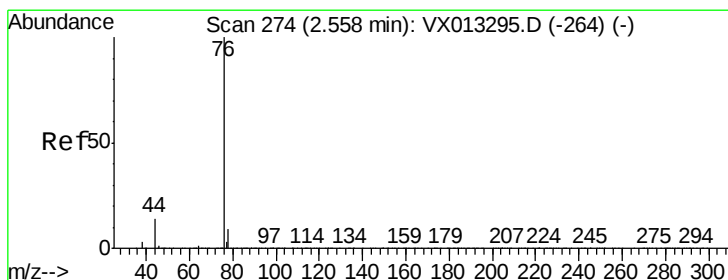
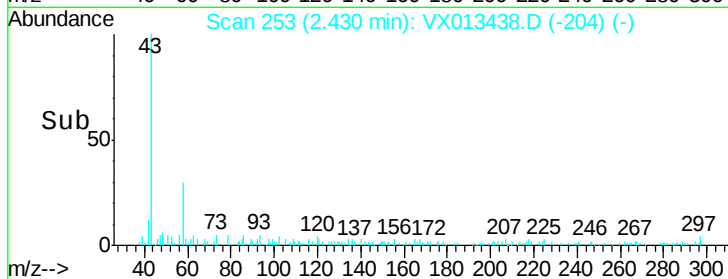
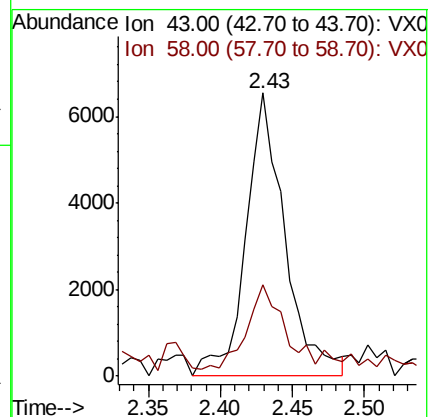
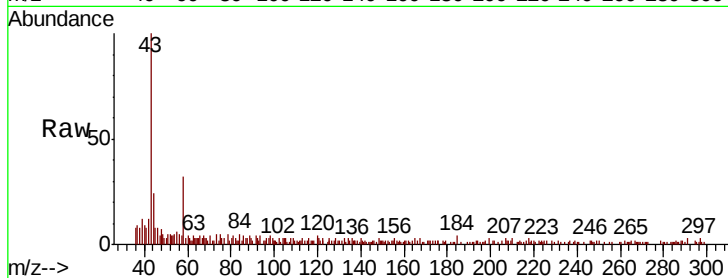
S36-0166

Tot Ion: 43 Resp: 12264

Ion Ratio Lower Upper

43 100

58 29.1 24.3 36.5



#17

Carbon Disulfide

Concen: 0.263 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013438.D

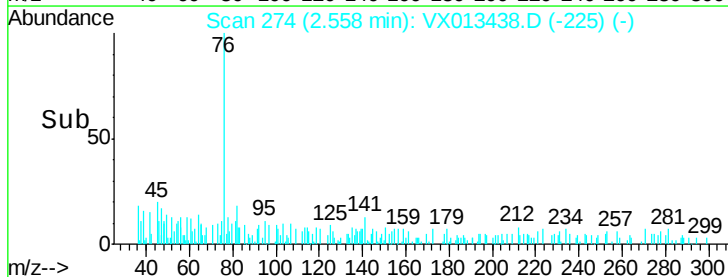
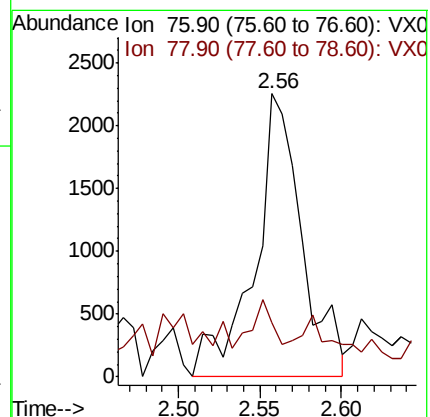
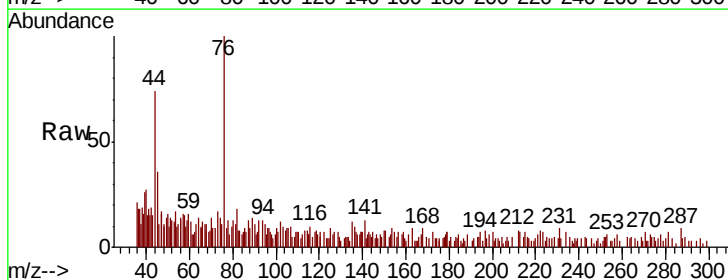
Acq: 15 Nov 2019 11:56

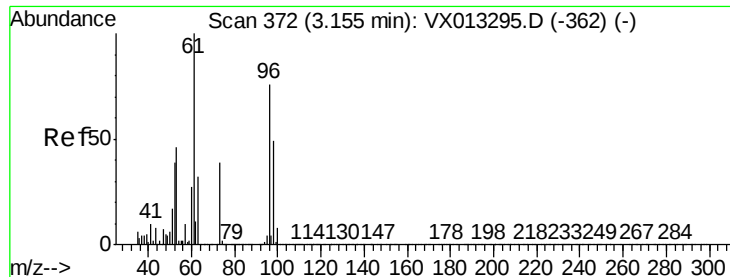
Tgt Ion: 76 Resp: 4528

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.6





#21

trans-1,2-Dichloroethene

Concen: 3.803 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

S36-0166

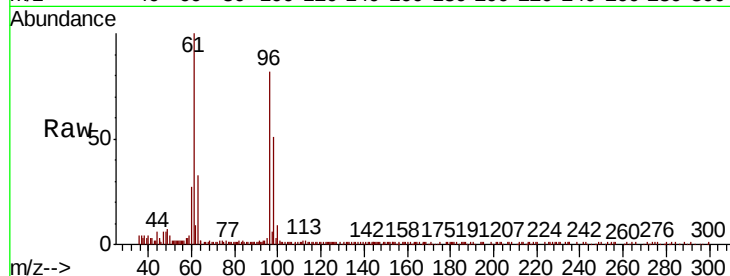
Tot Ion: 96 Resp: 26657

Ion Ratio Lower Upper

96 100

61 121.3 105.8 158.6

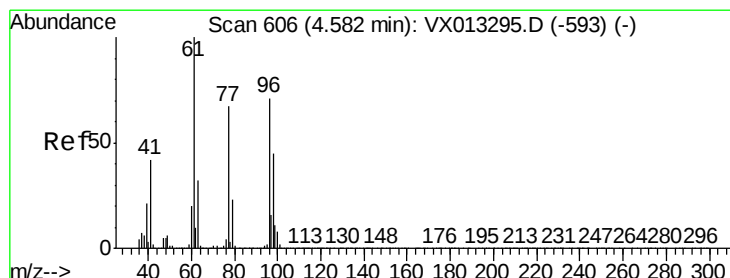
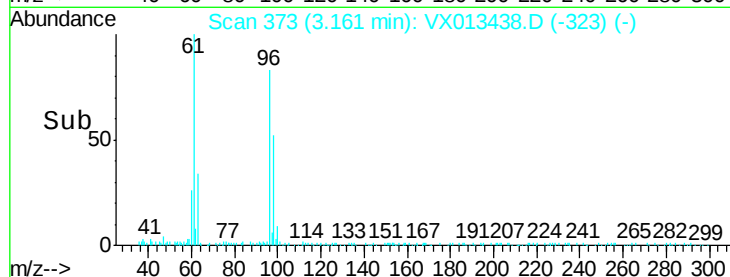
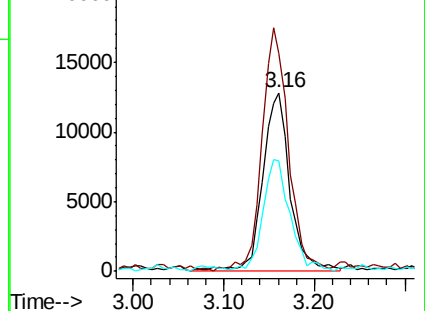
98 63.0 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 5.532 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

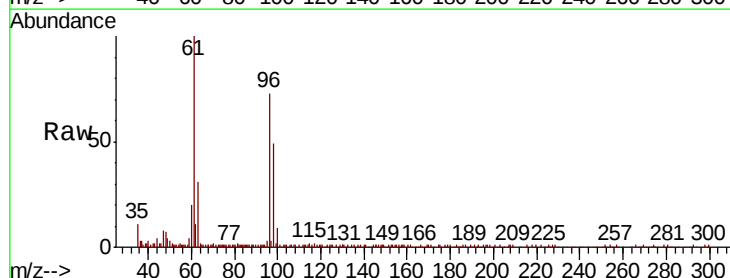
Tgt Ion: 96 Resp: 43436

Ion Ratio Lower Upper

96 100

61 136.7 0.0 288.0

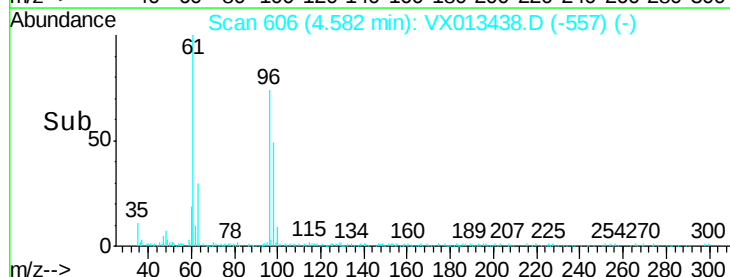
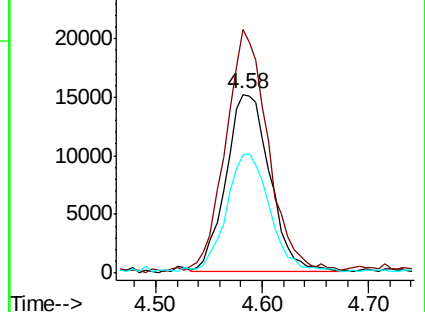
98 66.3 0.0 129.6

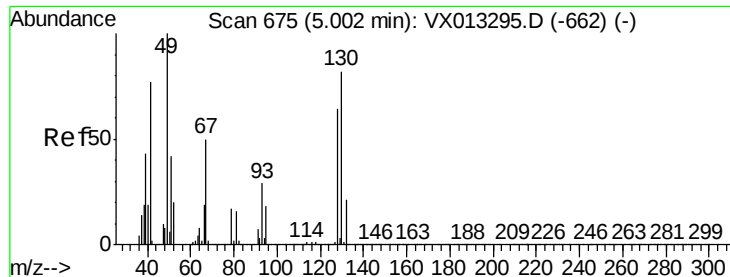


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: 0.432 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampled :

S36-0166

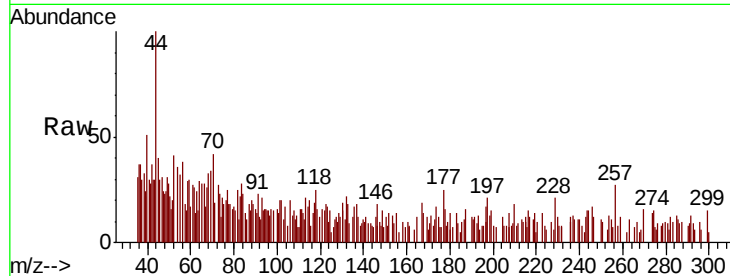
Tot Ion: 49 Resp: 1549

Ion Ratio Lower Upper

49 100

129 9.9 0.0 5.2#

130 0.0 63.8 95.6#

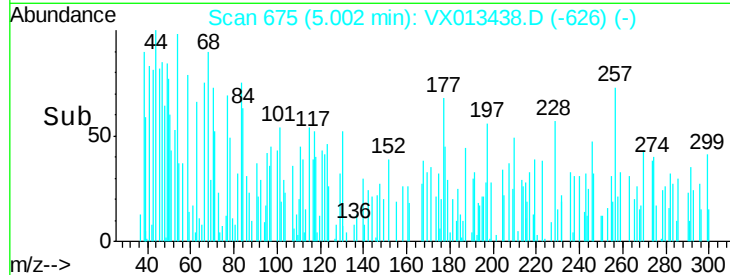


Abundance Ion 48.90 (48.60 to 49.60): VX0

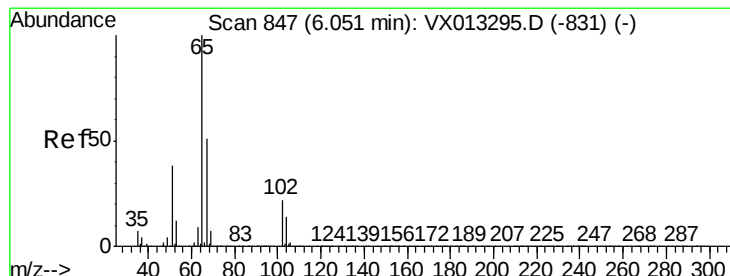
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.314 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013438.D

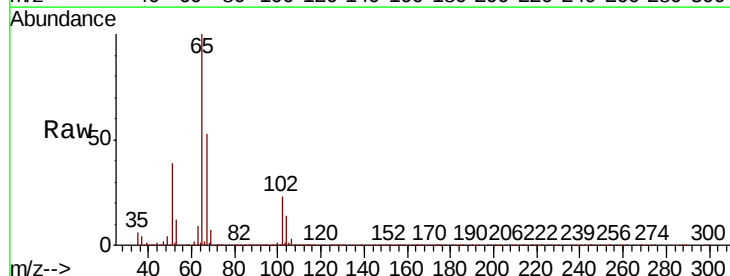
Acq: 15 Nov 2019 11:56

Tgt Ion: 65 Resp: 410019

Ion Ratio Lower Upper

65 100

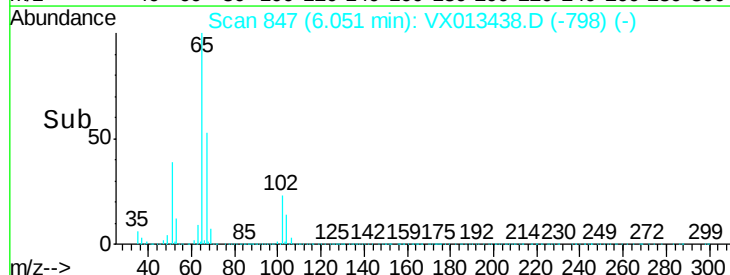
67 52.7 0.0 104.2



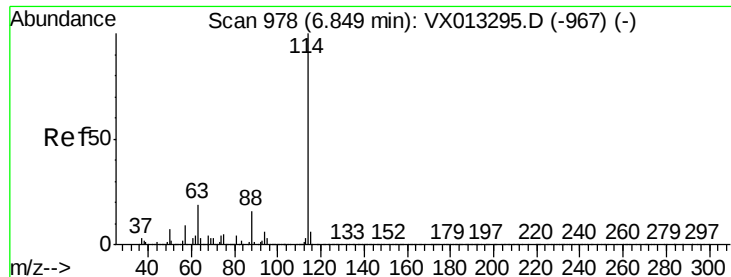
Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

S36-0166

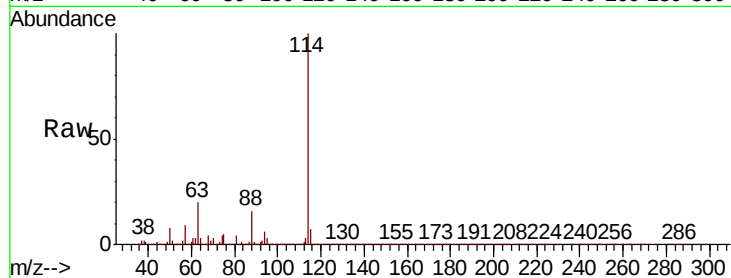
Tot Ion:114 Resp: 1124146

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

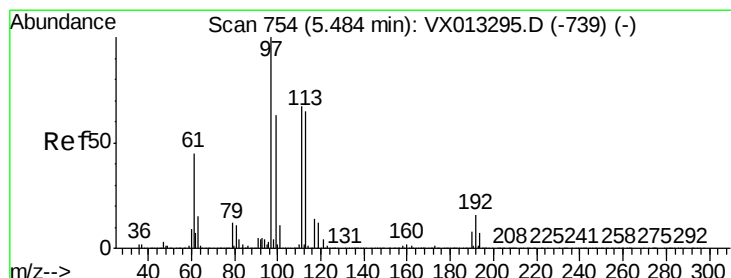
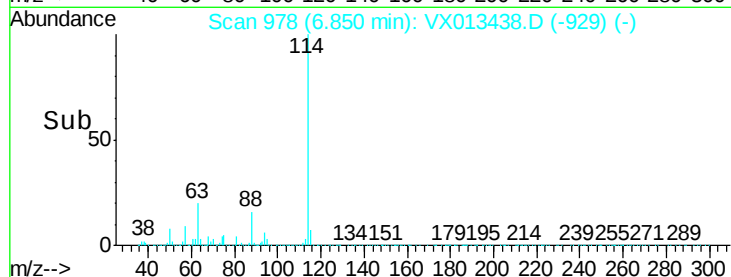
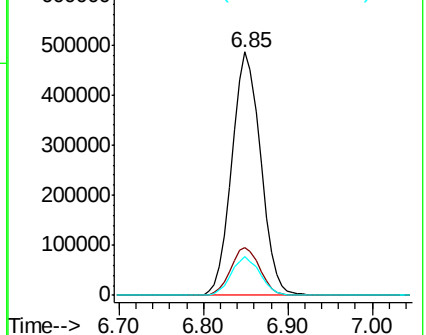
88 15.9 0.0 32.2



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: 49.119 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

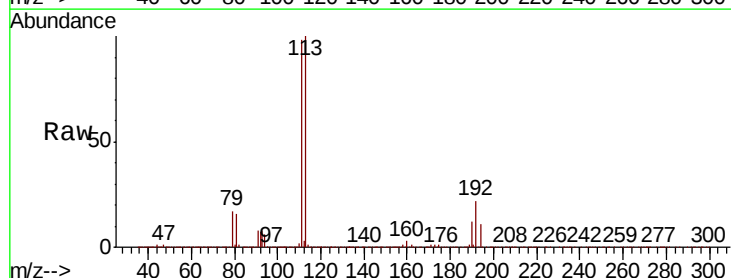
Tgt Ion:113 Resp: 346331

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

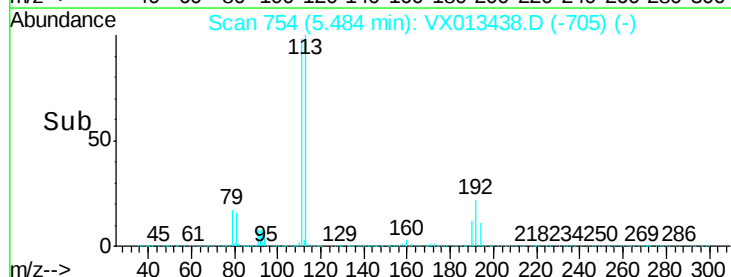
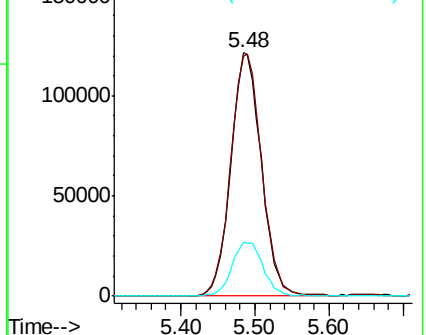
192 23.1 19.1 28.7

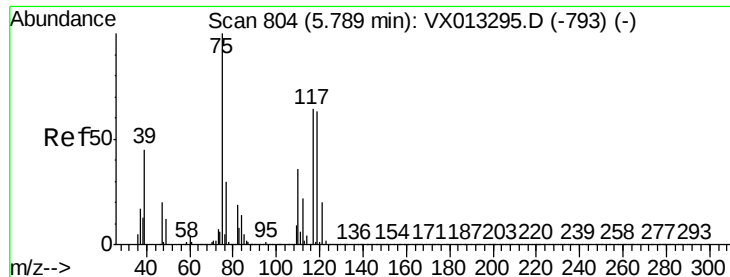


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

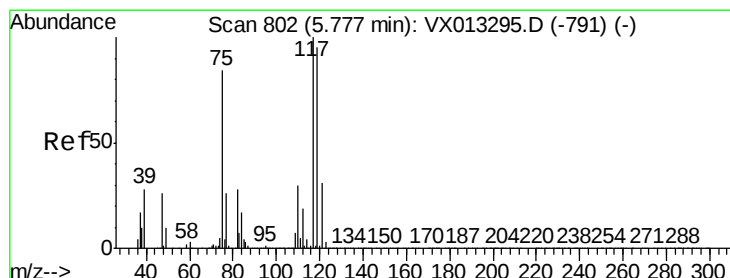
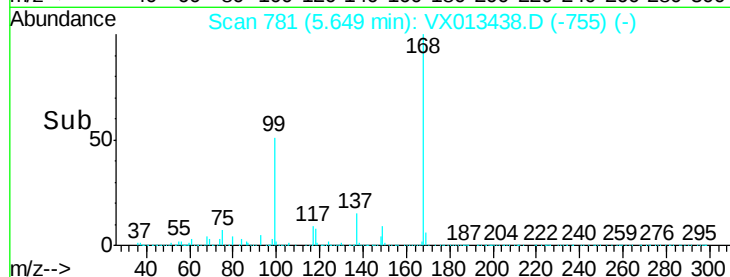
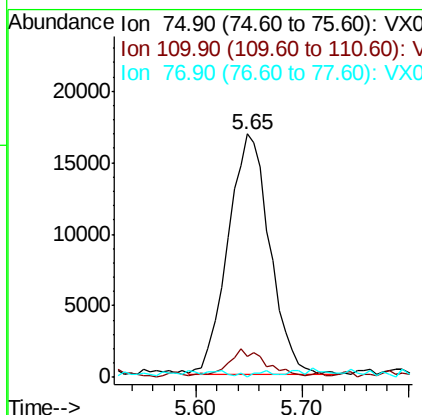
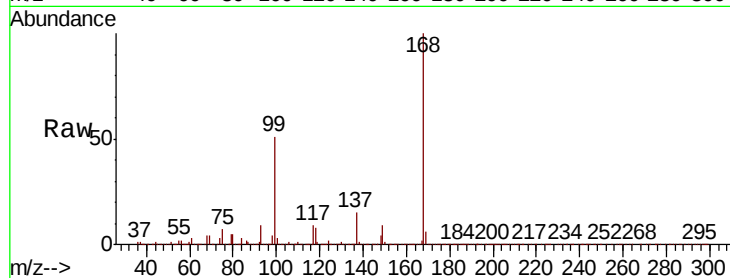




#36
 1,1-Dichloropropene
 Concen: 4.781 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013438.D
 Acq: 15 Nov 2019 11:56

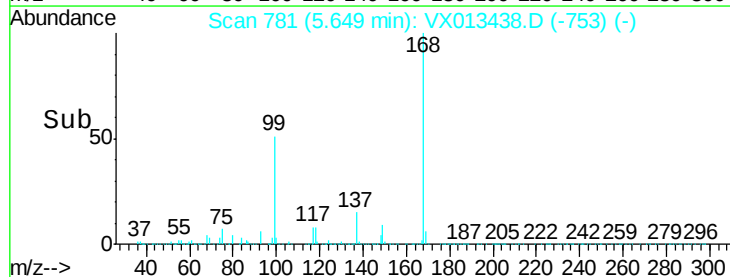
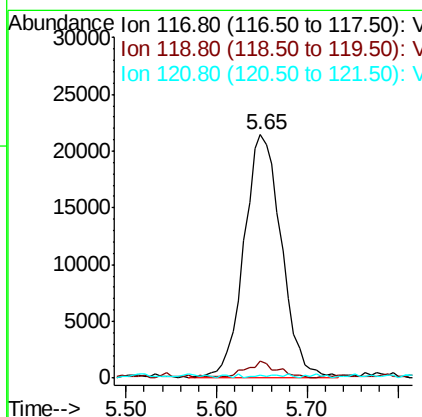
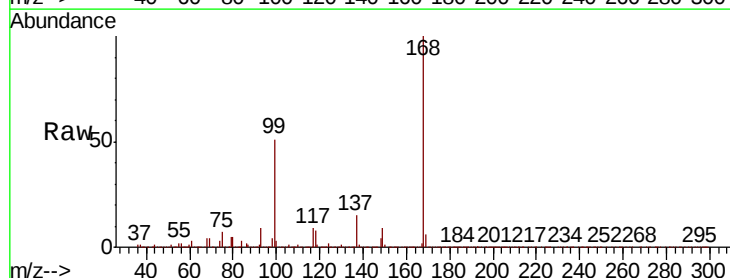
Instrument :
 MSVOA_X
 ClientSampled :
 S36-0166

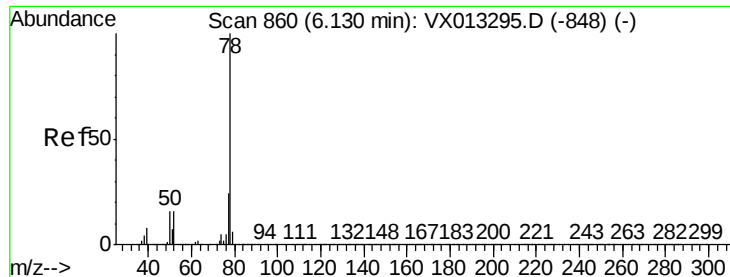
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	18.1	54.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.445 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013438.D
 Acq: 15 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.1	114.1#
121	0.3	24.6	37.0#





#40

Benzene

Concen: 1.697 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

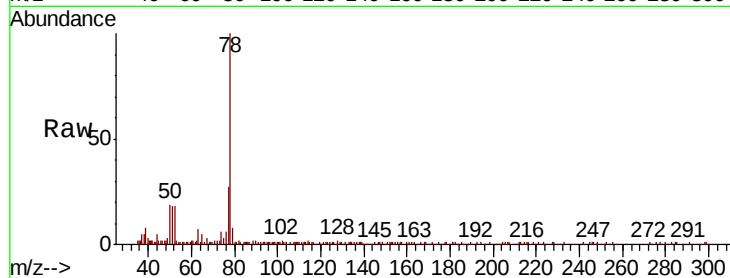
S36-0166

Tot Ion: 78 Resp: 50974

Ion Ratio Lower Upper

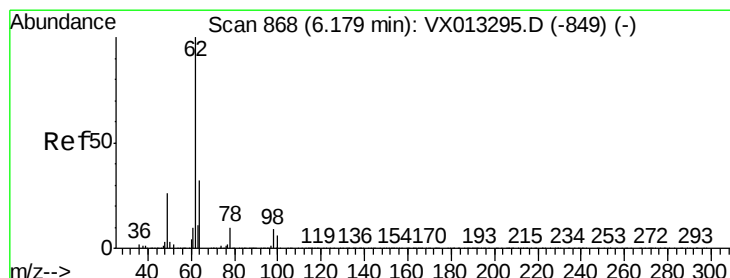
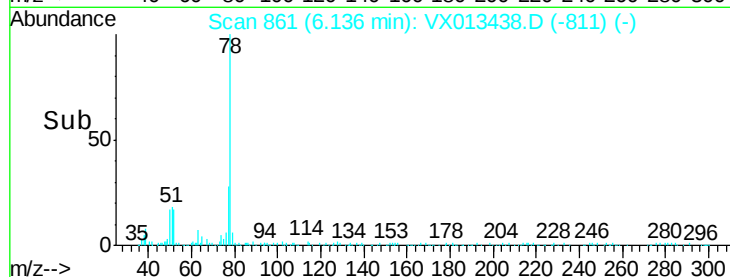
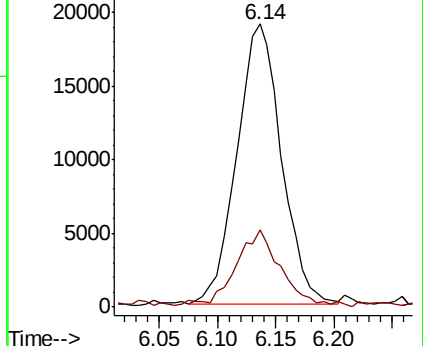
78 100

77 25.3 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 0.201 ug/l

RT: 6.19 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX013438.D

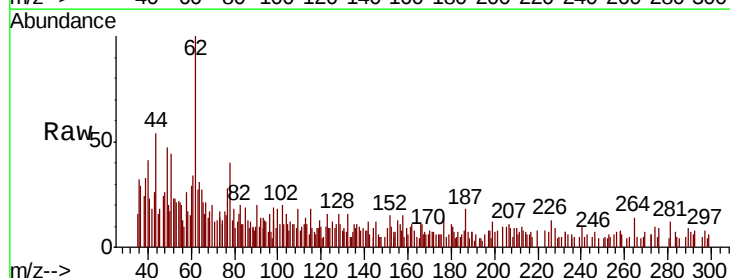
Acq: 15 Nov 2019 11:56

Tgt Ion: 62 Resp: 2176

Ion Ratio Lower Upper

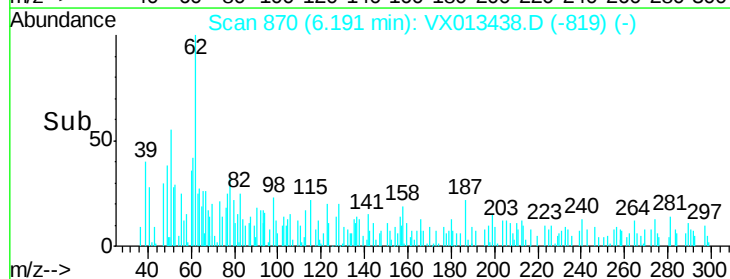
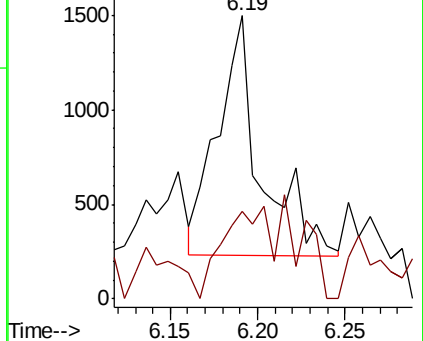
62 100

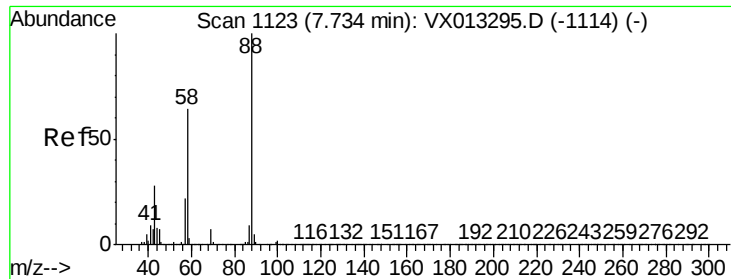
98 40.9 0.0 19.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 0.877 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

S36-0166

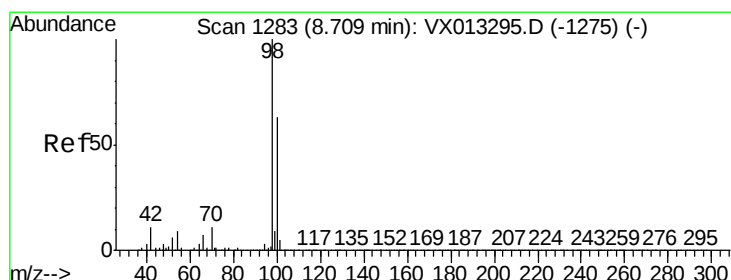
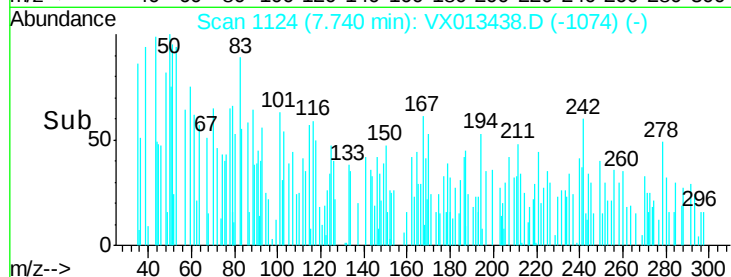
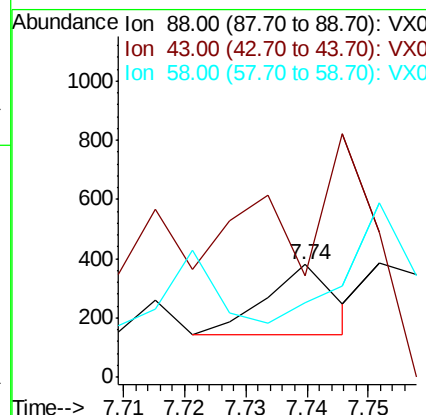
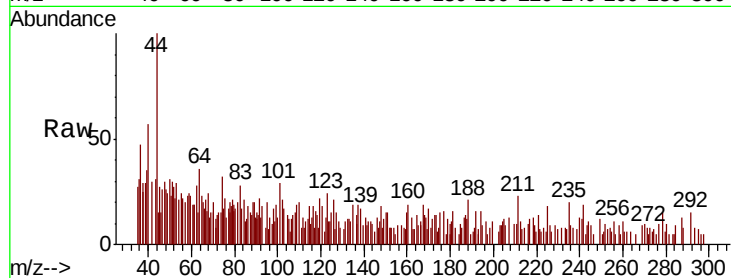
Tot Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 253.8 26.6 39.8#

58 54.8 55.0 82.6#



#50

Toluene-d8

Concen: 50.446 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013438.D

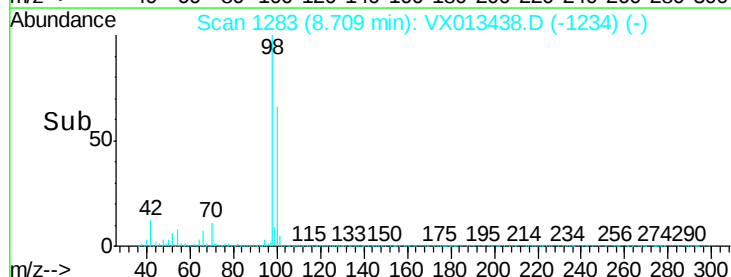
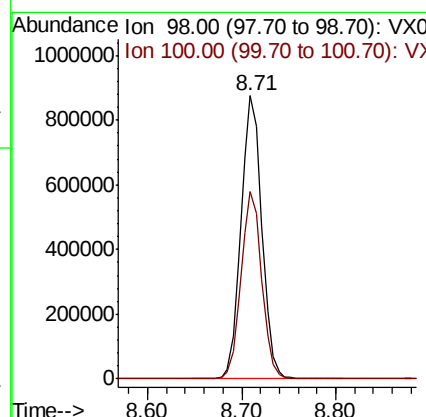
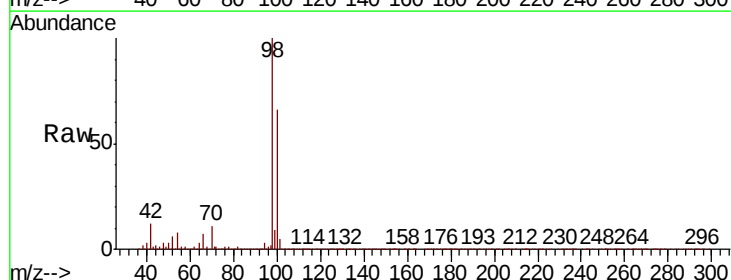
Acq: 15 Nov 2019 11:56

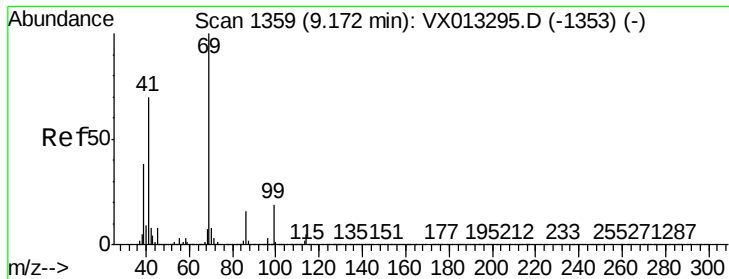
Tgt Ion: 98 Resp: 1340896

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.596 ug/l

RT: 9.14 min Scan# 1354

Delta R.T. -0.03 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampled :

S36-0166

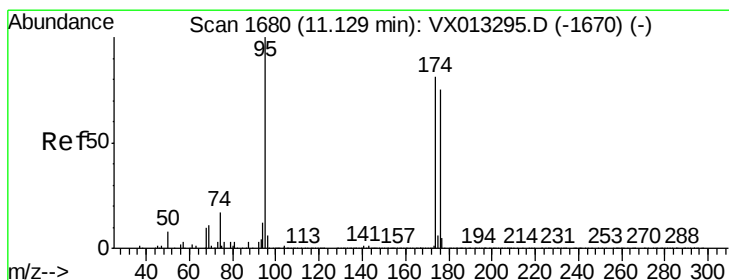
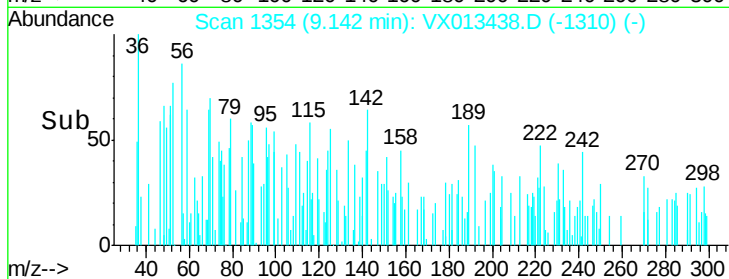
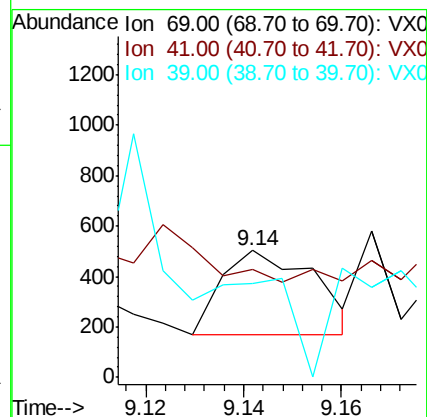
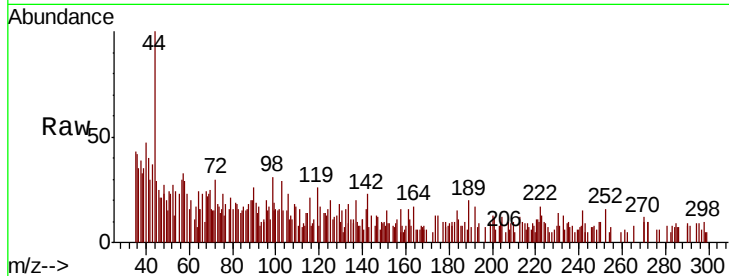
Tot Ion: 69 Resp: 443

Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 0.0 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 45.210 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

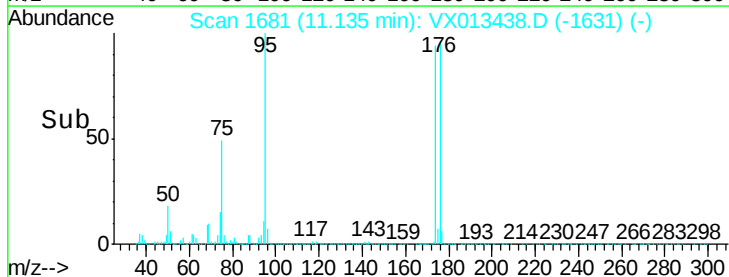
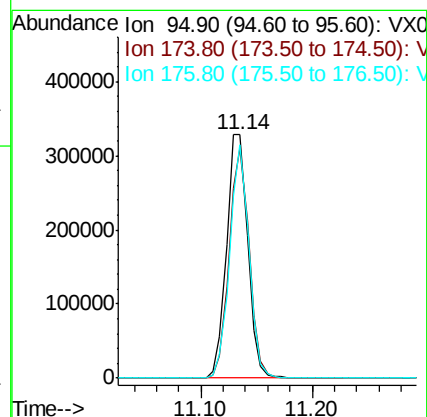
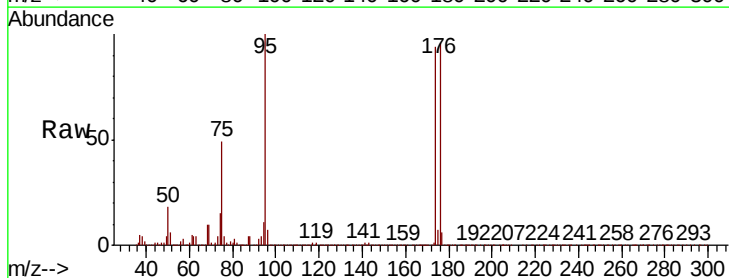
Tgt Ion: 95 Resp: 433708

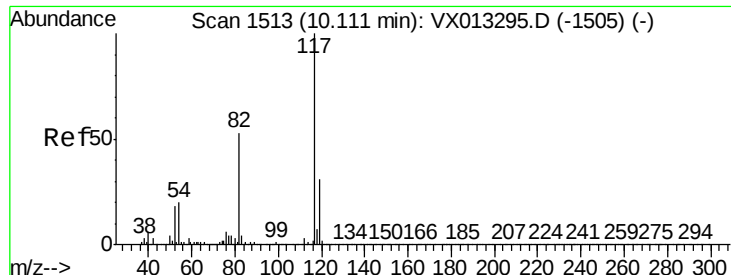
Ion Ratio Lower Upper

95 100

174 89.4 0.0 179.8

176 86.9 0.0 173.0

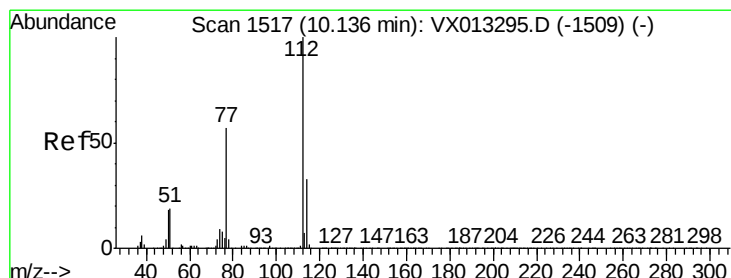
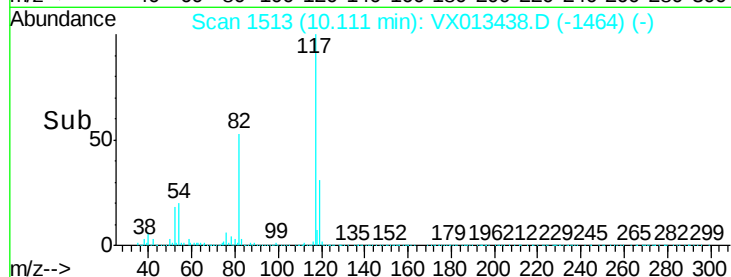
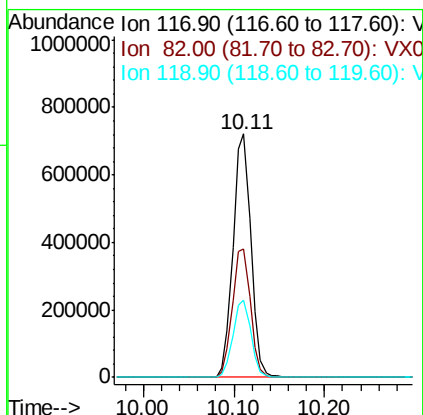
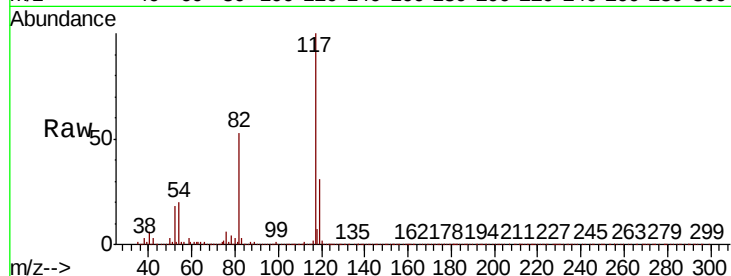




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013438.D
Acq: 15 Nov 2019 11:56

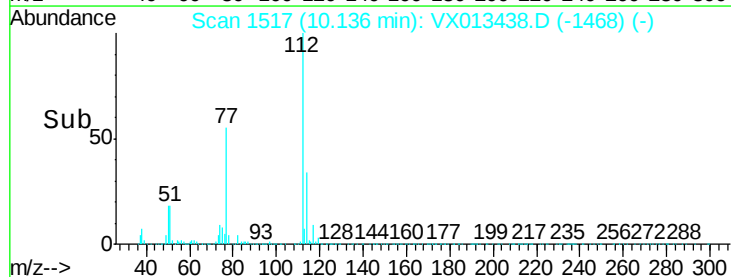
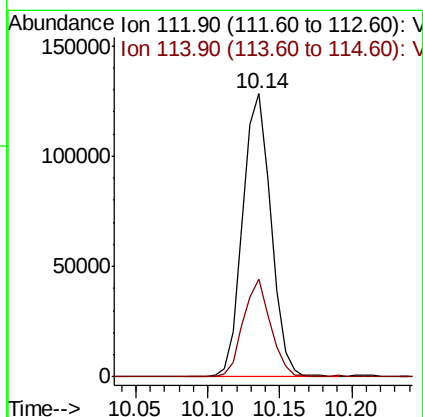
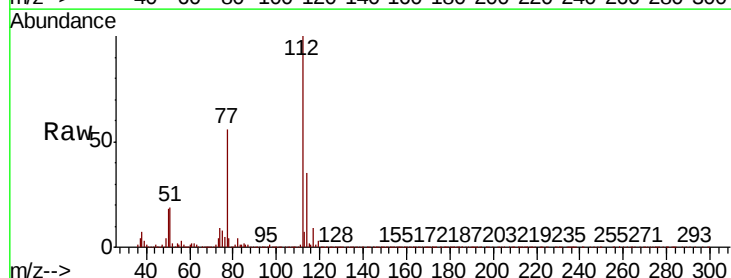
Instrument :
MSVOA_X
ClientSampleId :
S36-0166

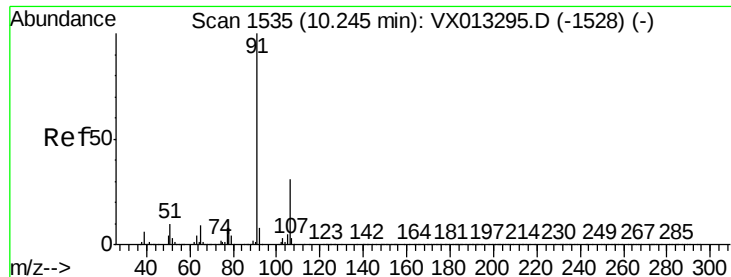
Tot Ion:117 Resp: 985496
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 31.4 24.8 37.2



#65
Chlorobenzene
Concen: 8.760 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013438.D
Acq: 15 Nov 2019 11:56

Tgt Ion:112 Resp: 174769
Ion Ratio Lower Upper
112 100
114 34.4 26.4 39.6





#67

Ethyl Benzene

Concen: 0.261 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

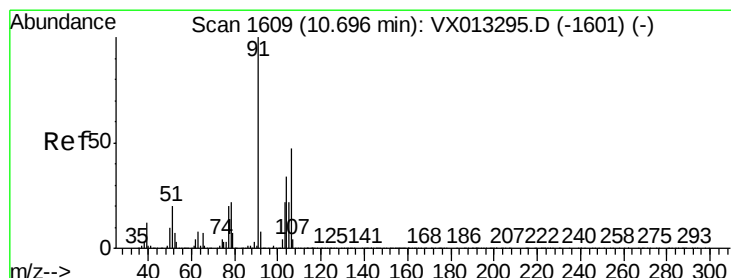
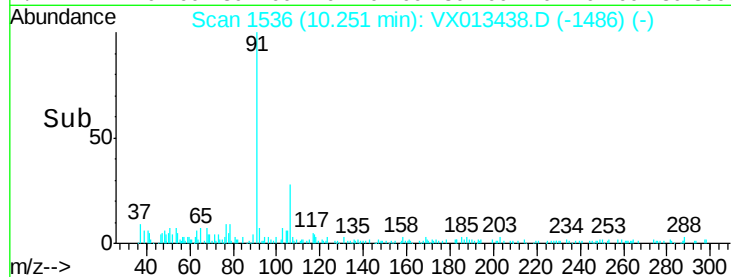
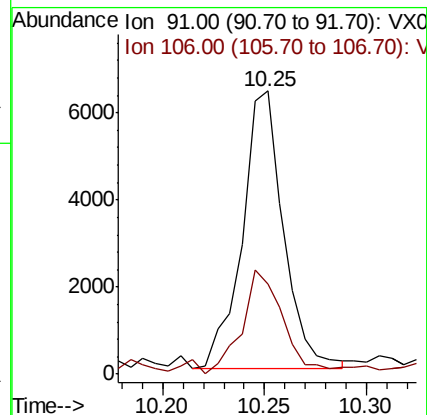
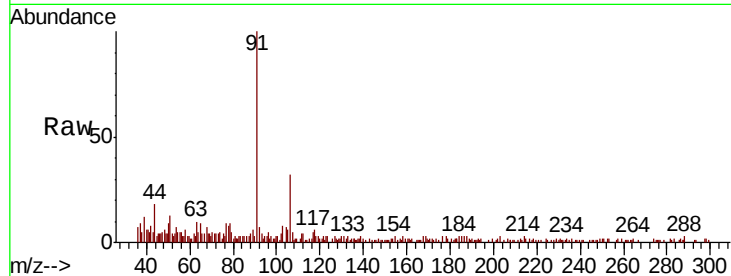
S36-0166

Tot Ion: 91 Resp: 8993

Ion Ratio Lower Upper

91 100

106 30.0 24.6 36.8



#69

o-Xylene

Concen: 0.221 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX013438.D

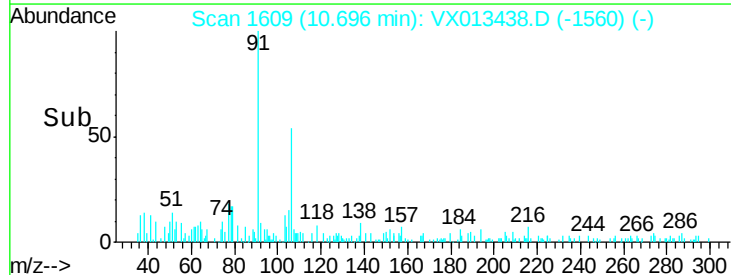
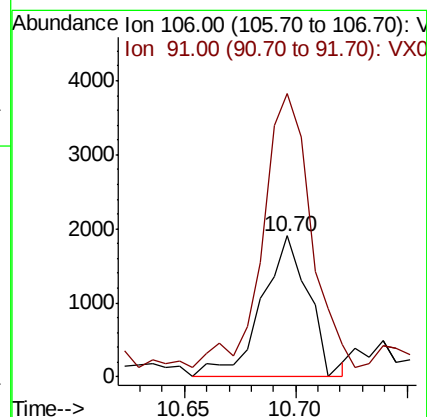
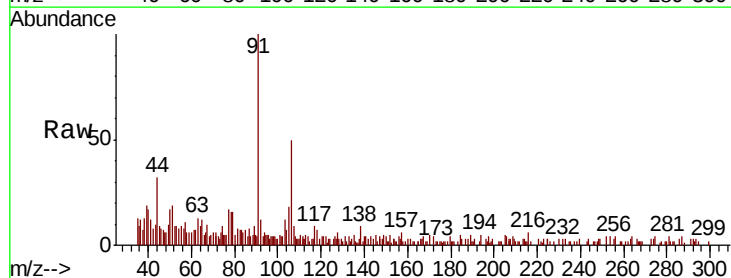
Acq: 15 Nov 2019 11:56

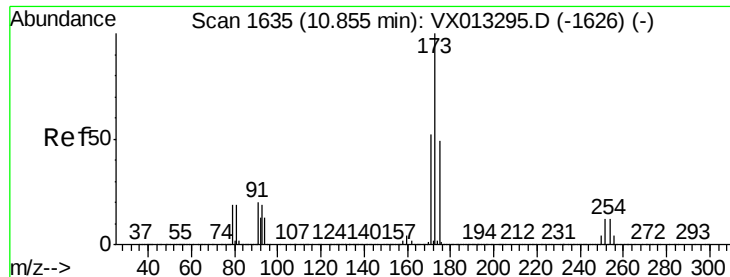
Tgt Ion: 106 Resp: 2814

Ion Ratio Lower Upper

106 100

91 196.0 105.7 317.0

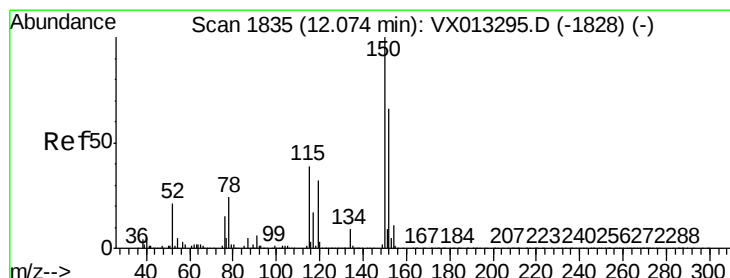
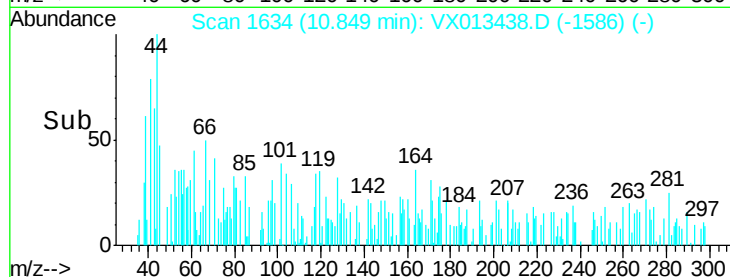
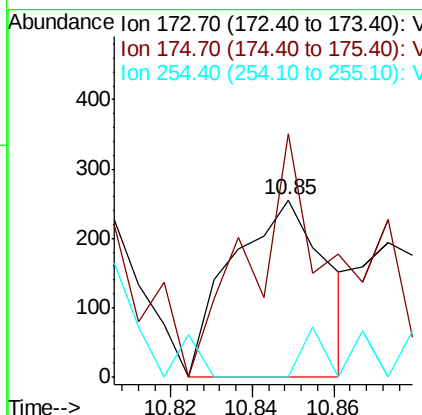
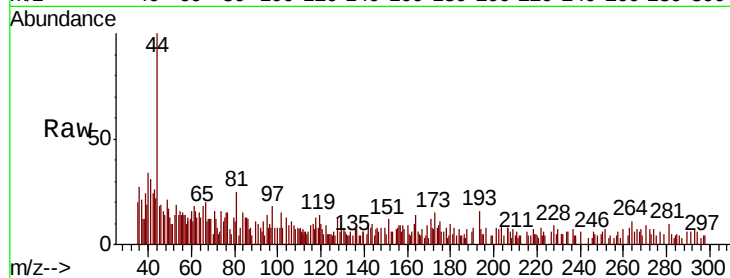




#71
Bromoform
Concen: 3.259 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013438.D
Acq: 15 Nov 2019 11:56

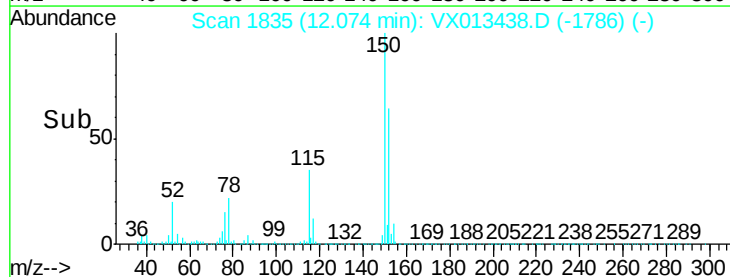
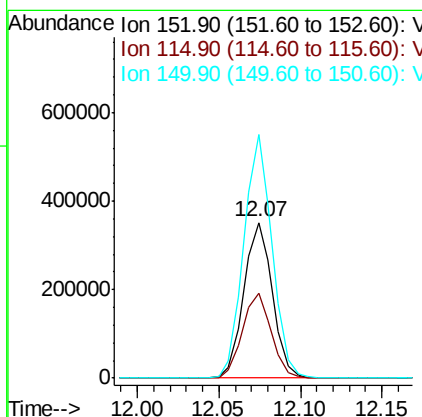
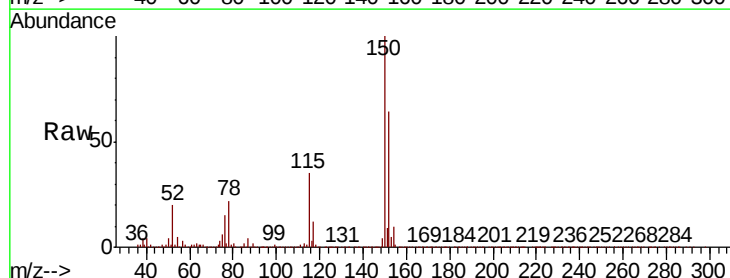
Instrument :
MSVOA_X
ClientSampled :
S36-0166

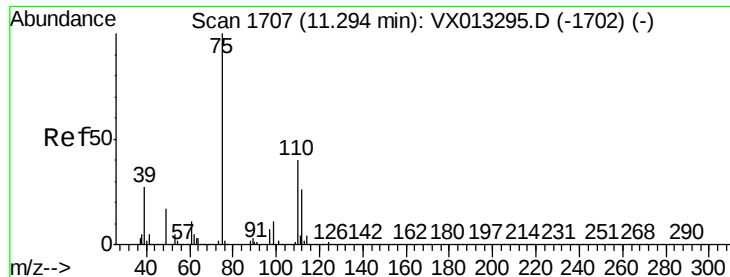
Tot Ion:173 Resp: 410
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 6.6 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013438.D
Acq: 15 Nov 2019 11:56

Tgt Ion:152 Resp: 428794
Ion Ratio Lower Upper
152 100
115 55.5 39.5 118.3
150 155.8 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.762 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

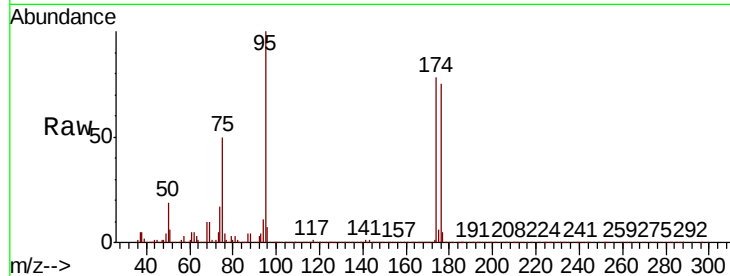
S36-0166

Tot Ion: 75 Resp: 215658

Ion Ratio Lower Upper

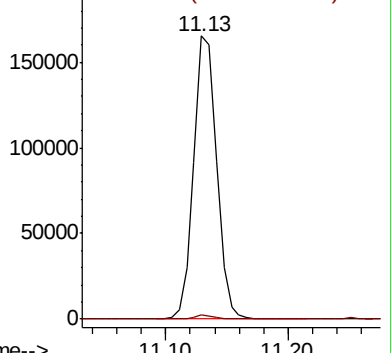
75 100

77 1.5 22.3 66.8#

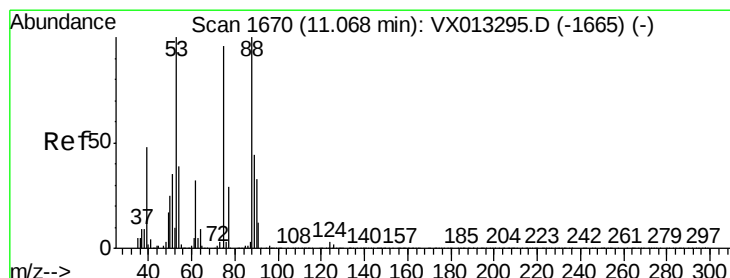
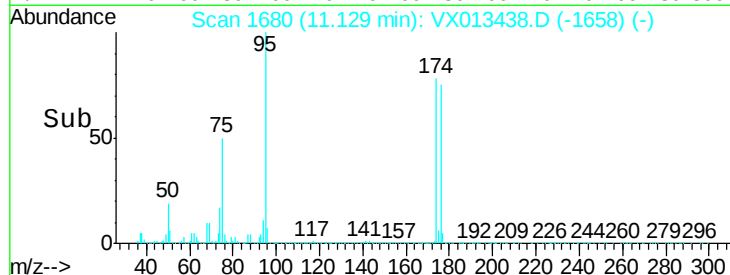


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.736 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013438.D

Acq: 15 Nov 2019 11:56

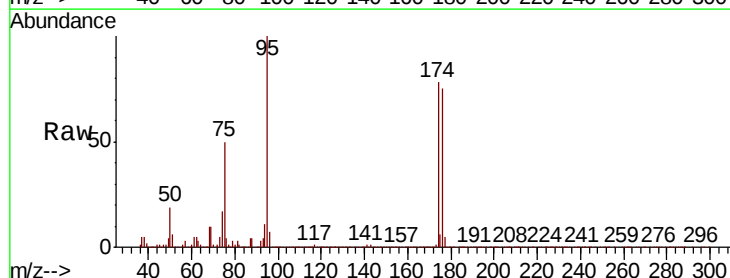
Tgt Ion: 75 Resp: 215658

Ion Ratio Lower Upper

75 100

53 0.6 81.0 121.6#

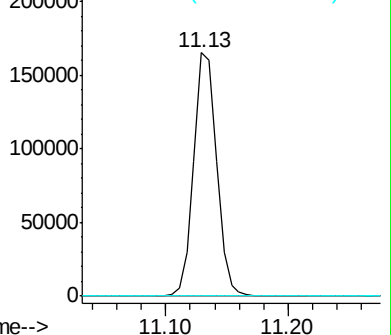
89 0.0 36.0 54.0#



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



Time-->

