

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052319\
 Data File : VX009872.D
 Acq On : 23 May 2019 20:35
 Operator : JC/SP
 Sample : K3000-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0156

Quant Time: May 24 03:55:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	293087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	261863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113783	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	125195	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
35) Dibromofluoromethane	5.50	113	89608	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	8.71	98	371679	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.13	95	126249	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	

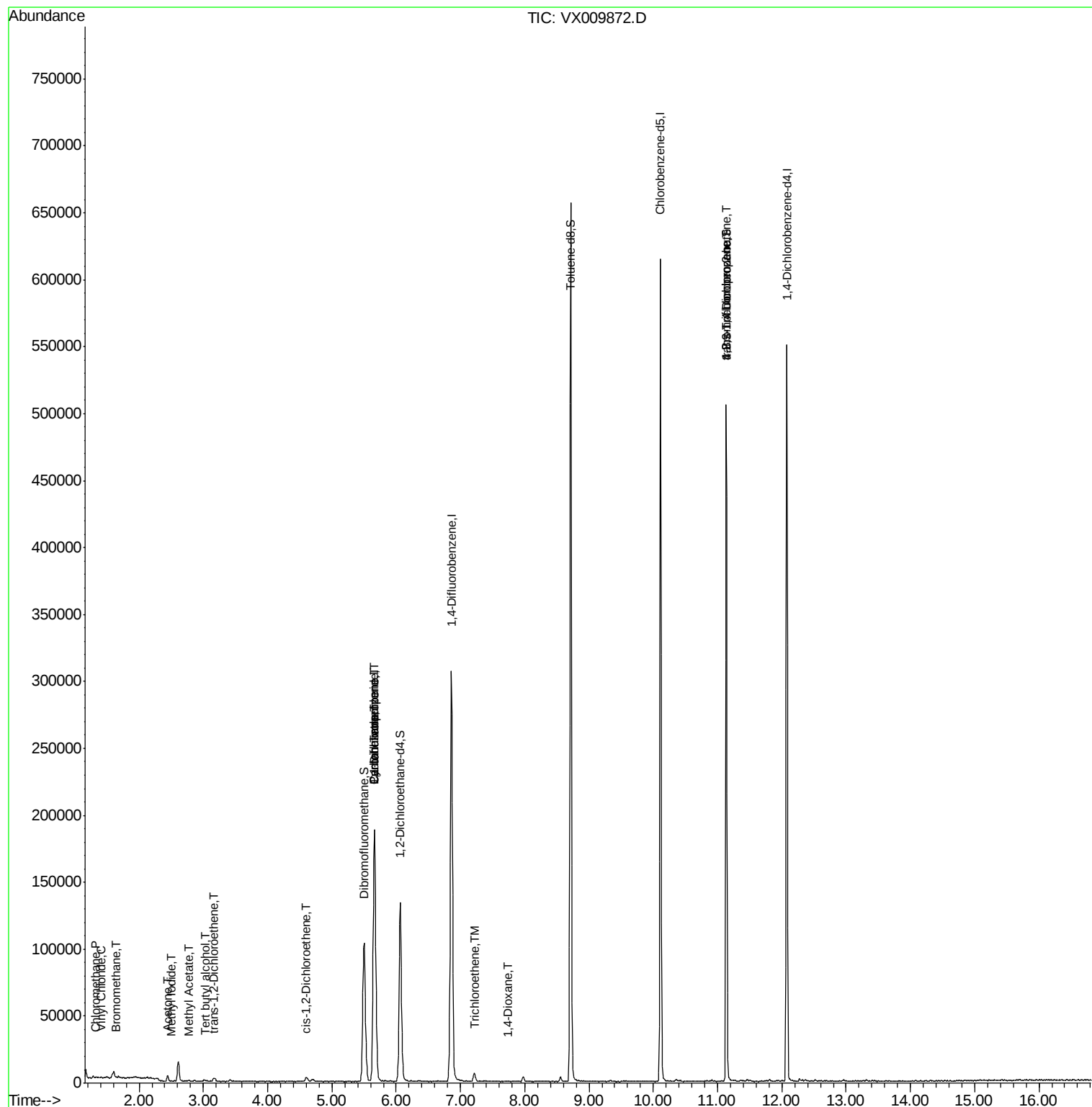
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	518	0.227	ug/l #	86
4) Vinyl Chloride	1.41	62	680	0.305	ug/l #	88
5) Bromomethane	1.64	94	281	0.210	ug/l	81
10) Methyl Iodide	2.51	142	73	4.627	ug/l #	42
11) Tert butyl alcohol	3.03	59	1050	1.831	ug/l #	88
16) Acetone	2.44	43	4832	3.633	ug/l	93
18) Methyl Acetate	2.78	43	1025	0.324	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	1073	0.581	ug/l #	90
27) cis-1,2-Dichloroethene	4.60	96	1574	0.714	ug/l	94
28) Bromochloromethane	5.02	49	25	Below Cal	#	20
31) Cyclohexane	5.66	56	4337	1.184	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14350	5.269	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17473	7.061	ug/l #	15
44) Trichloroethene	7.21	130	2297	1.127	ug/l	92
49) 1,4-Dioxane	7.74	88	22	0.360	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65334	24.754	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65334	63.336	ug/l #	10

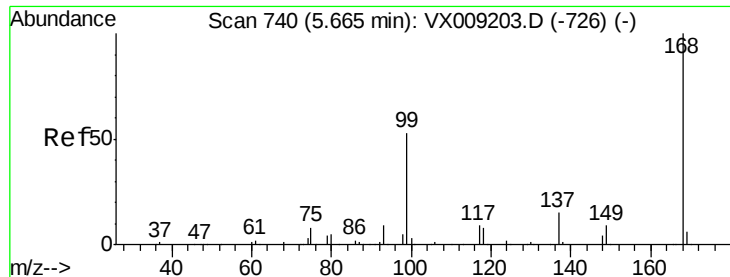
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 24 03:55:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

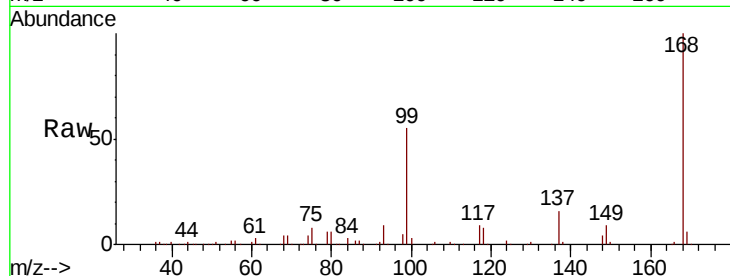
S36-0156

Tot Ion:168 Resp: 181448

Ion Ratio Lower Upper

168 100

99 55.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

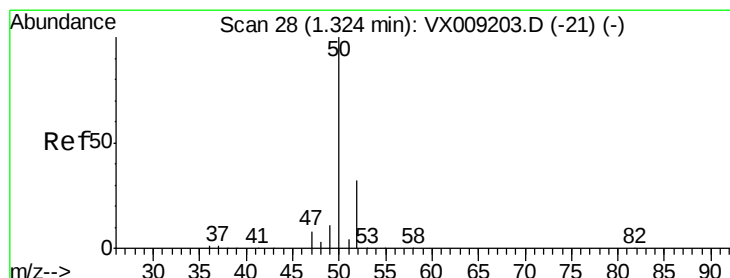
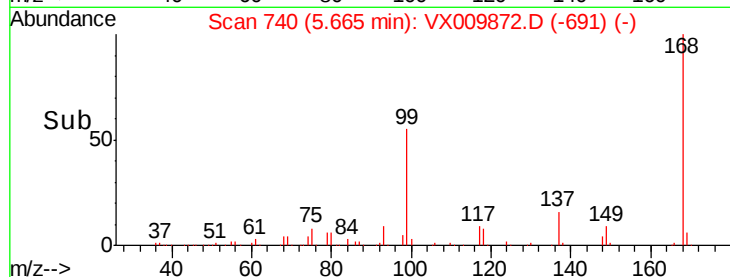
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009872.D

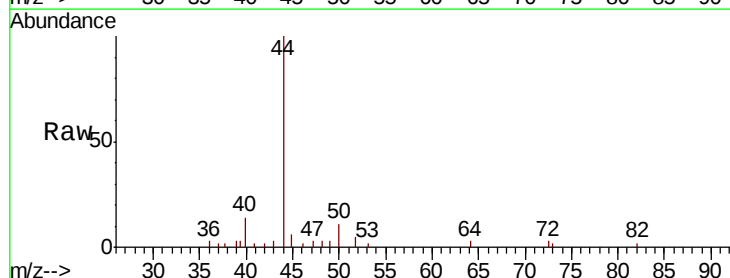
Acq: 23 May 2019 20:35

Tgt Ion: 50 Resp: 518

Ion Ratio Lower Upper

50 100

52 24.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

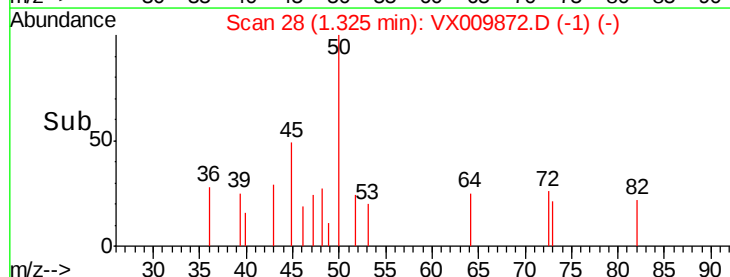
150

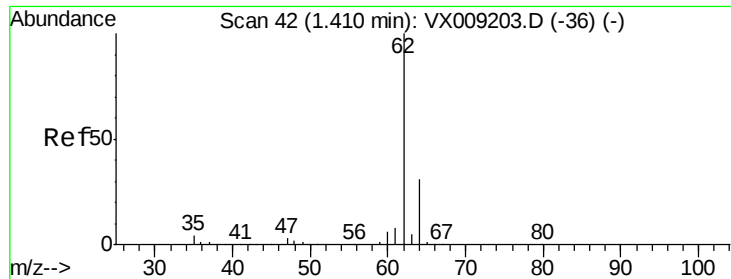
100

50

0

Time--> 1.25 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 0.305 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

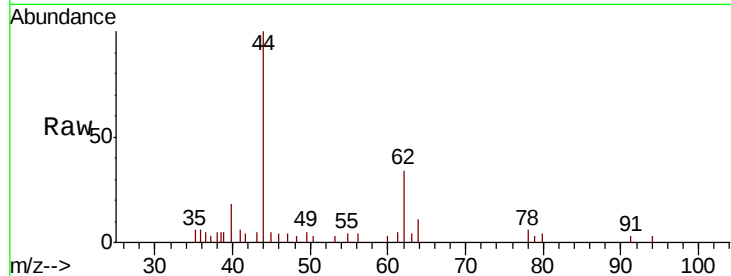
S36-0156

Tot Ion: 62 Resp: 680

Ion Ratio Lower Upper

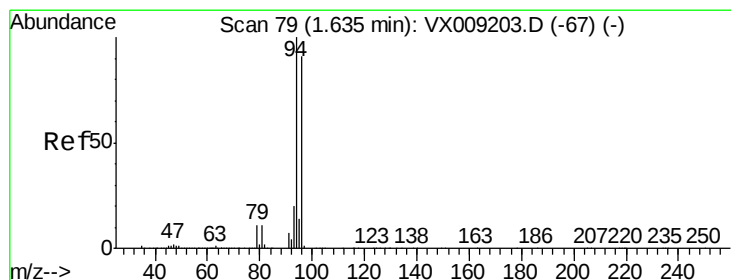
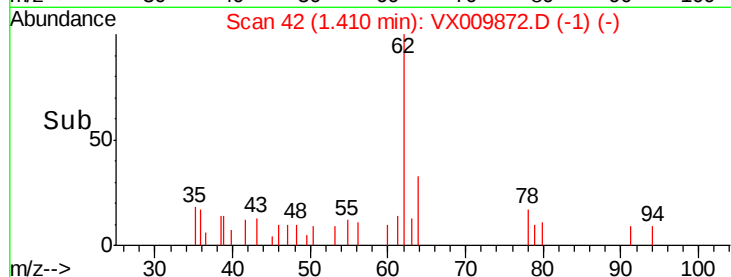
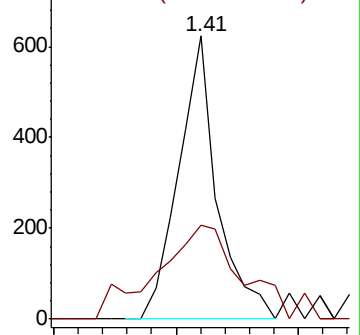
62 100

64 23.9 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.210 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009872.D

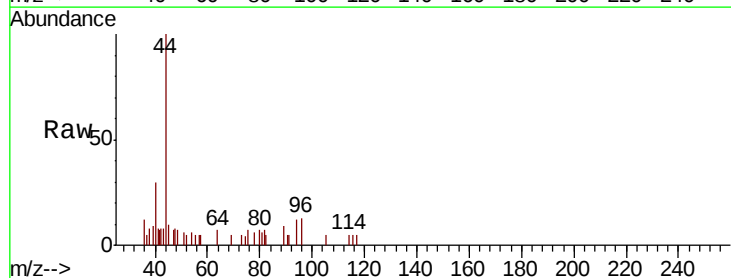
Acq: 23 May 2019 20:35

Tgt Ion: 94 Resp: 281

Ion Ratio Lower Upper

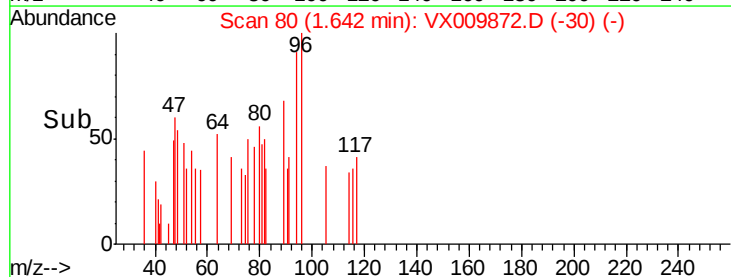
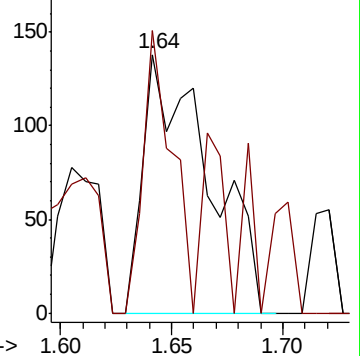
94 100

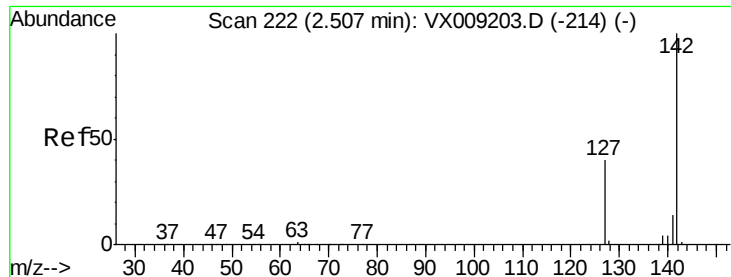
96 109.4 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

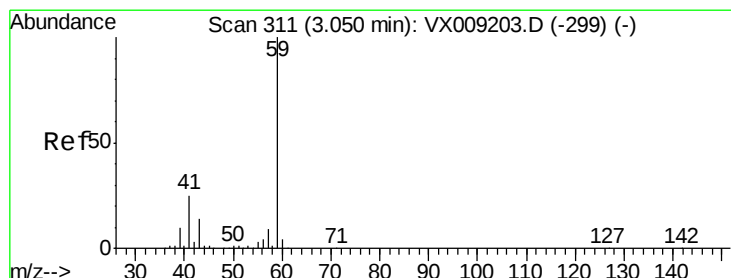
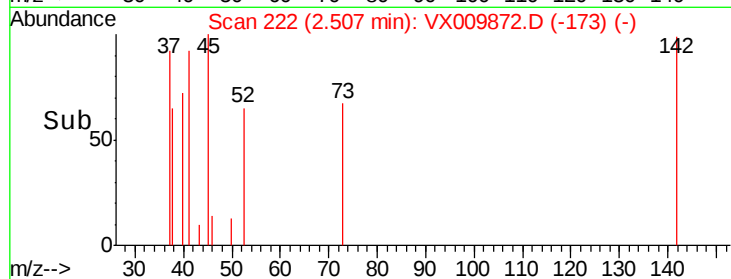
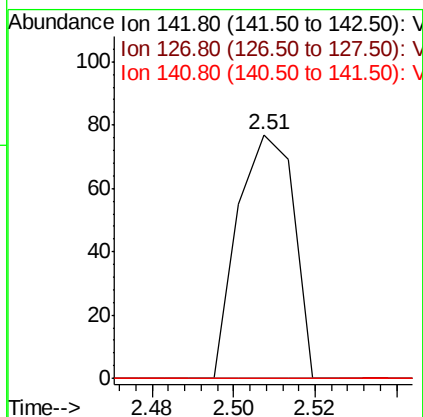
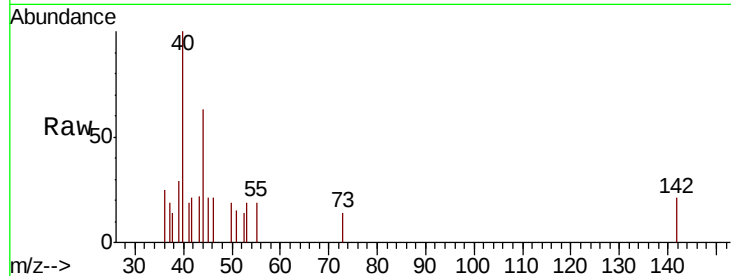




#10
Methvl Iodide
Concen: 4.627 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009872.D
Acq: 23 May 2019 20:35

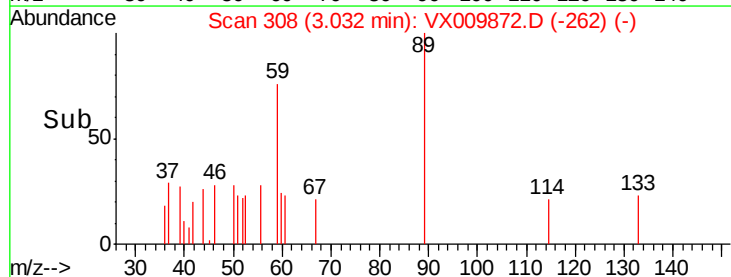
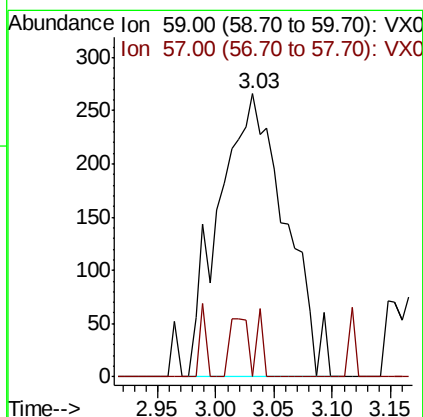
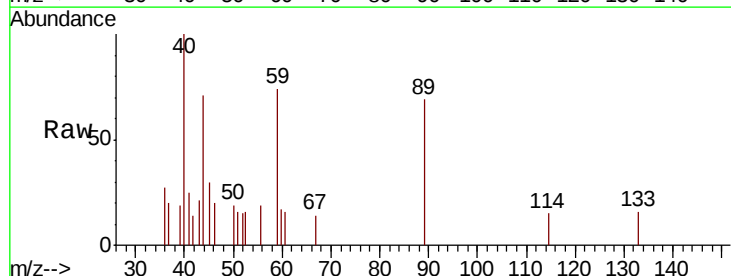
Instrument :
MSVOA_X
ClientSampled :
S36-0156

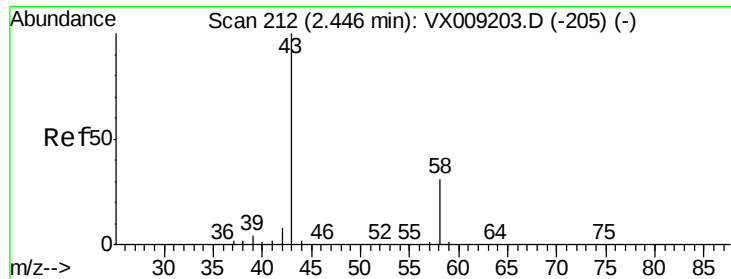
Tot Ion:142 Resp: 73
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.831 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009872.D
Acq: 23 May 2019 20:35

Tgt Ion: 59 Resp: 1050
Ion Ratio Lower Upper
59 100
57 5.6 8.2 12.2#





#16

Acetone

Concen: 3.633 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

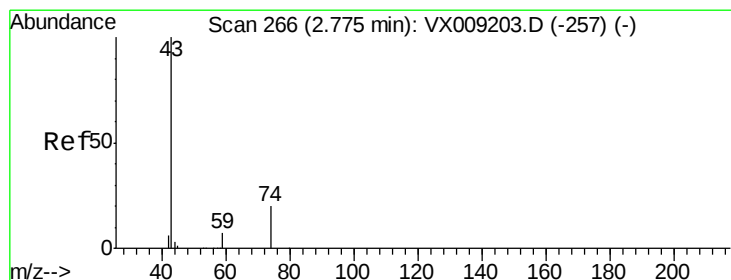
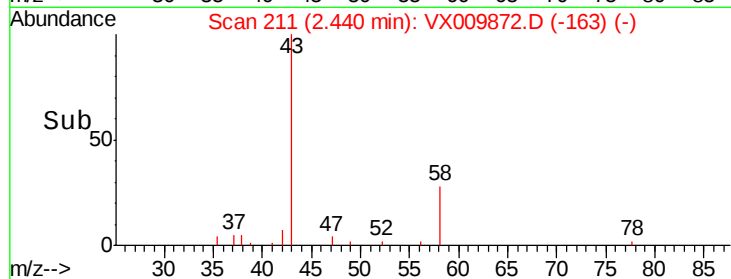
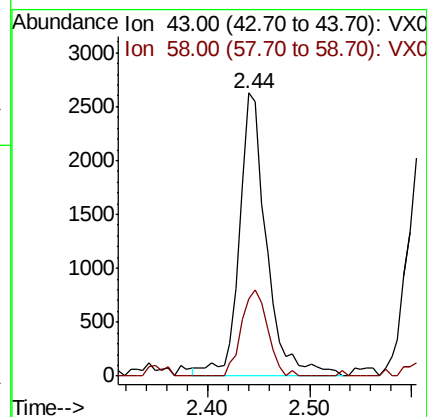
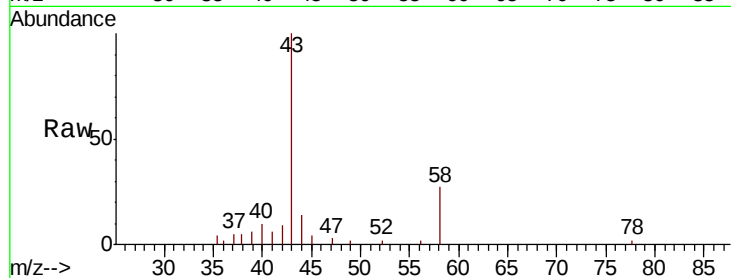
S36-0156

Tot Ion: 43 Resp: 4832

Ion Ratio Lower Upper

43 100

58 27.5 24.9 37.3



#18

Methyl Acetate

Concen: 0.324 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009872.D

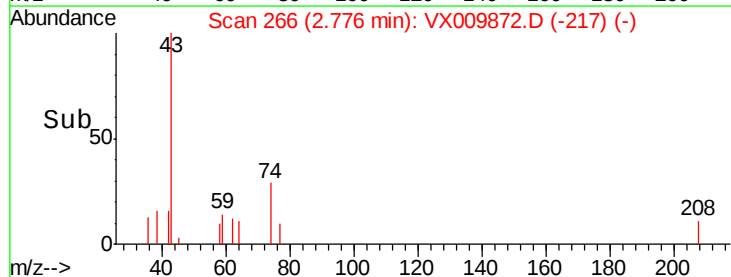
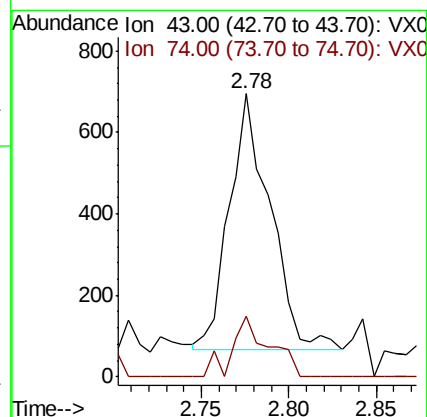
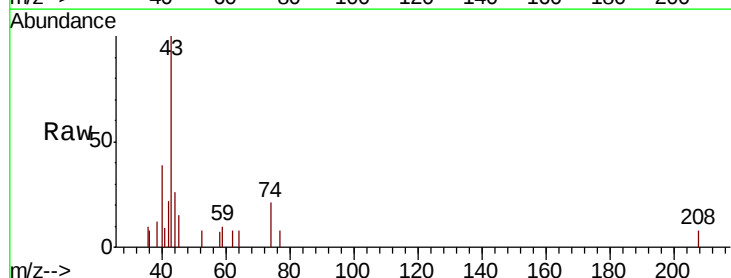
Acq: 23 May 2019 20:35

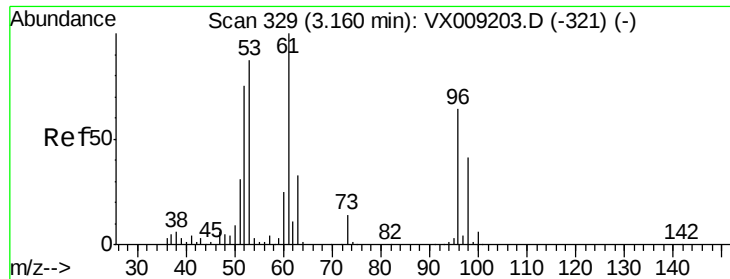
Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

74 21.5 16.2 24.4

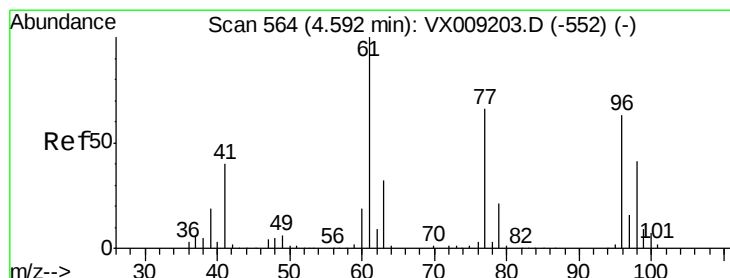
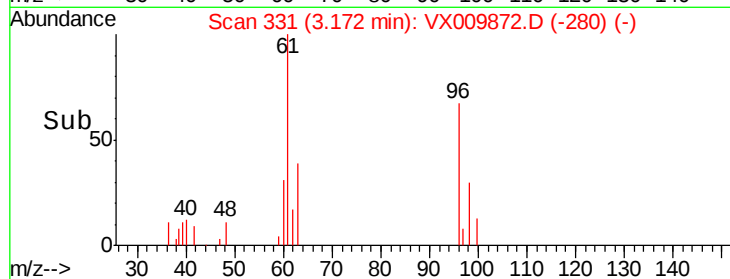
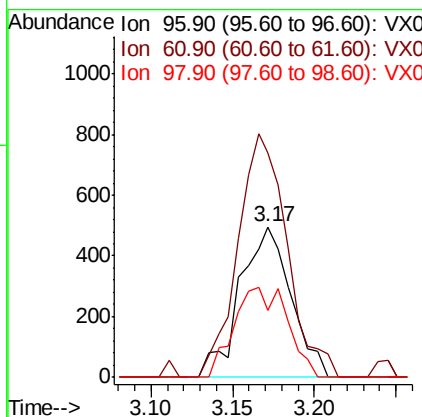
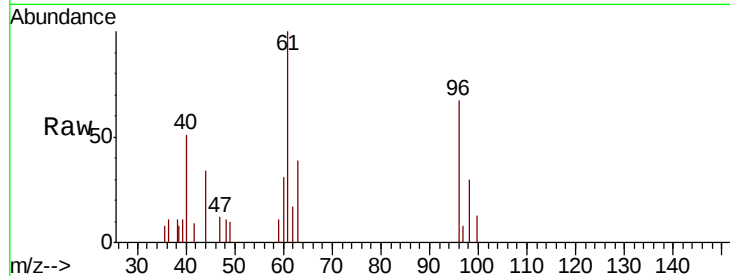




#21
trans-1,2-Dichloroethene
Concen: 0.581 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX009872.D
Acq: 23 May 2019 20:35

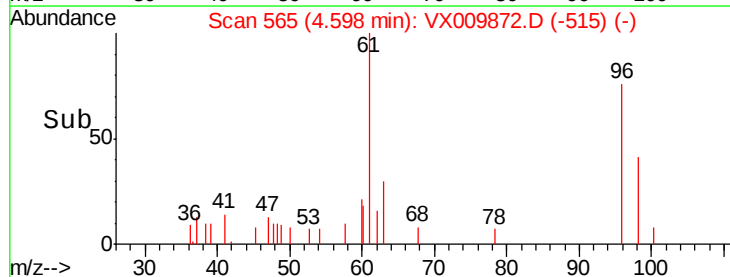
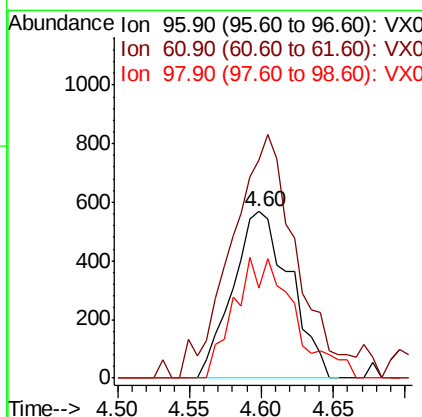
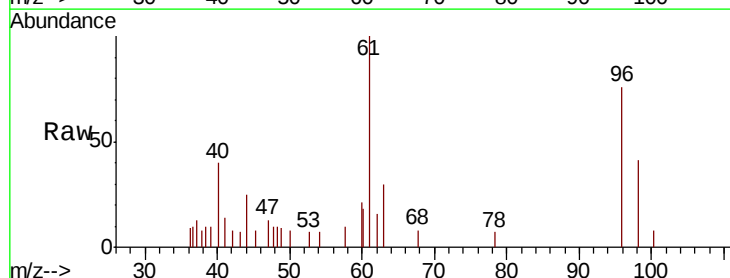
Instrument :
MSVOA_X
ClientSampled :
S36-0156

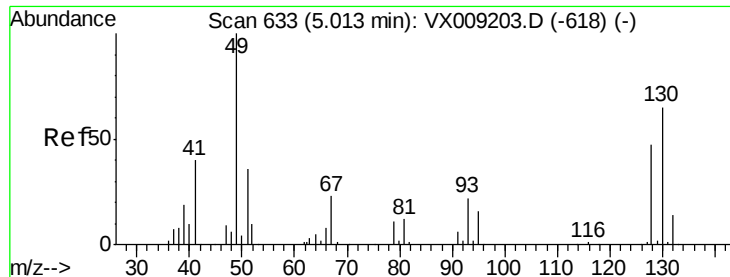
Tot Ion: 96 Resp: 1073
Ion Ratio Lower Upper
96 100
61 149.2 124.5 186.7
98 44.8 50.4 75.6#



#27
cis-1,2-Dichloroethene
Concen: 0.714 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009872.D
Acq: 23 May 2019 20:35

Tgt Ion: 96 Resp: 1574
Ion Ratio Lower Upper
96 100
61 165.6 0.0 324.0
98 75.7 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

S36-0156

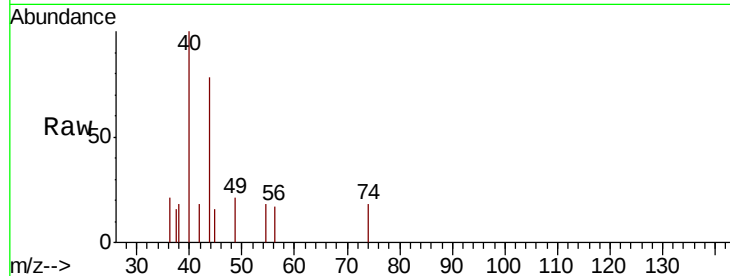
Tot Ion: 49 Resp: 25

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

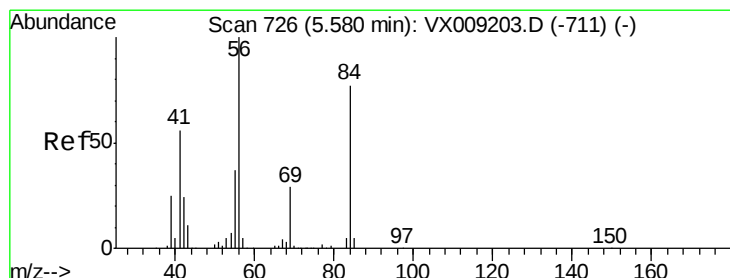
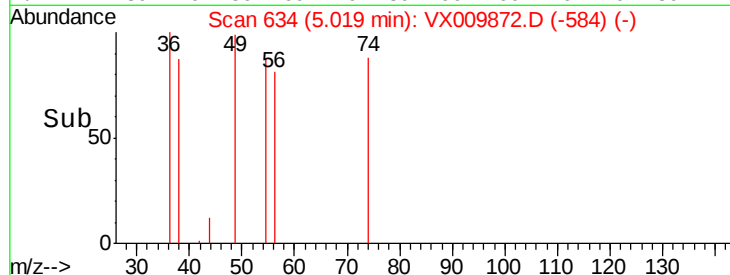
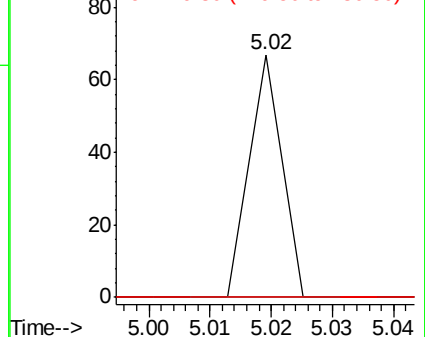
130 0.0 51.2 76.8#



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



#31

Cyclohexane

Concen: 1.184 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

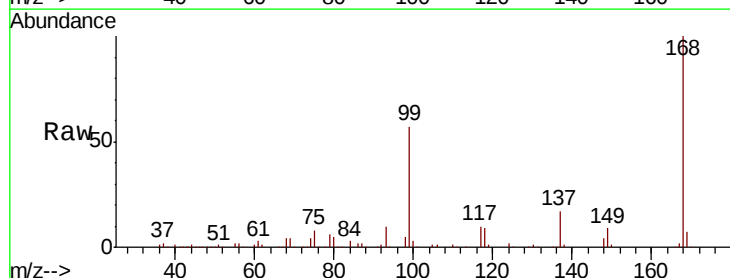
Tgt Ion: 56 Resp: 4337

Ion Ratio Lower Upper

56 100

69 168.4 23.4 35.0#

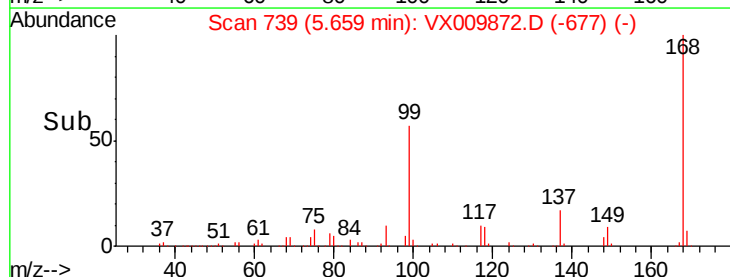
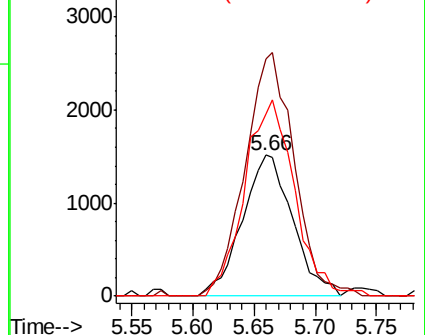
84 129.7 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.543 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

Instrument :

MSVOA_X

ClientSampled :

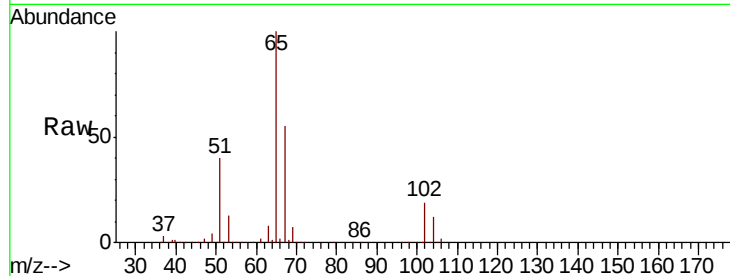
S36-0156

Tot Ion: 65 Resp: 125195

Ion Ratio Lower Upper

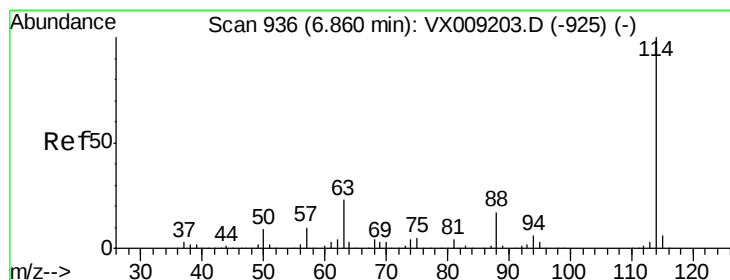
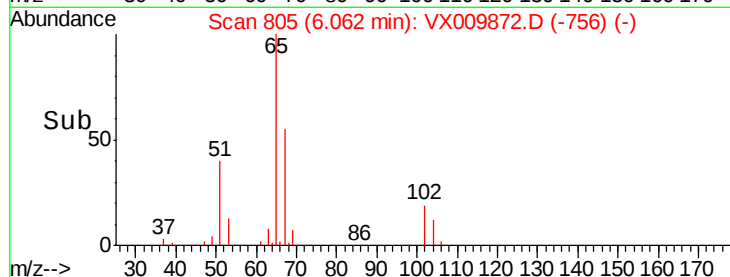
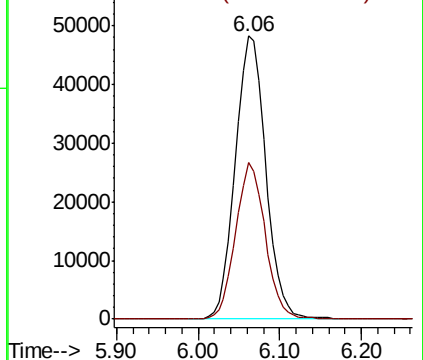
65 100

67 53.7 0.0 106.6



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

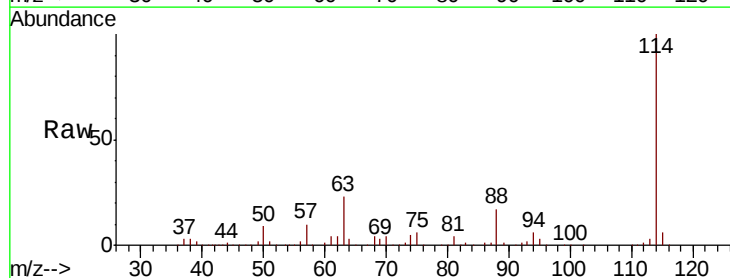
Tgt Ion: 114 Resp: 293087

Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.6

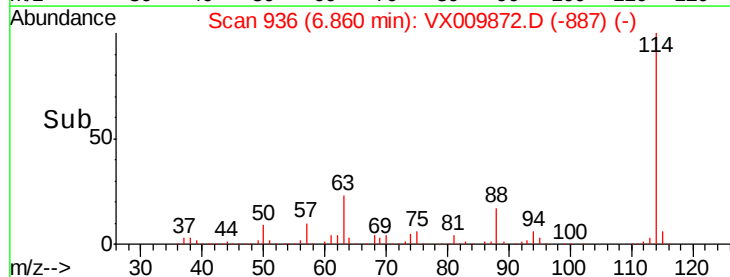
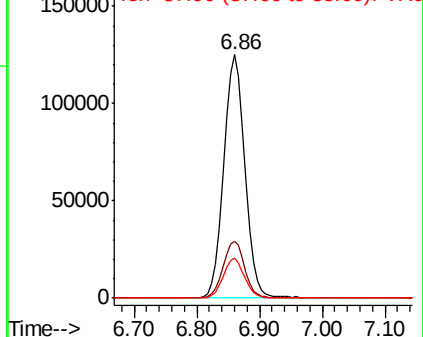
88 16.6 0.0 33.2

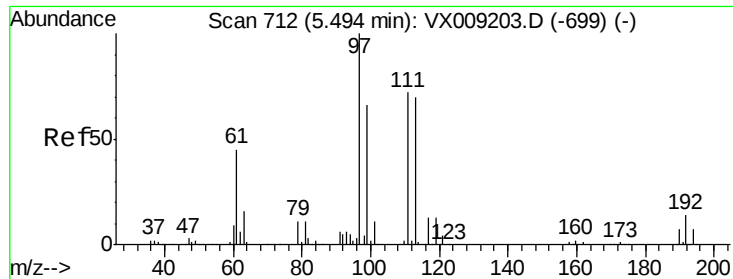


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.635 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

S36-0156

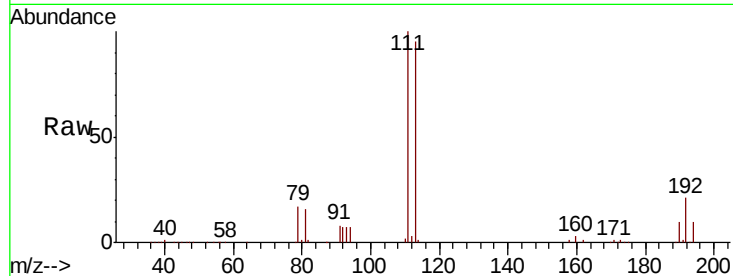
Tot Ion:113 Resp: 89608

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

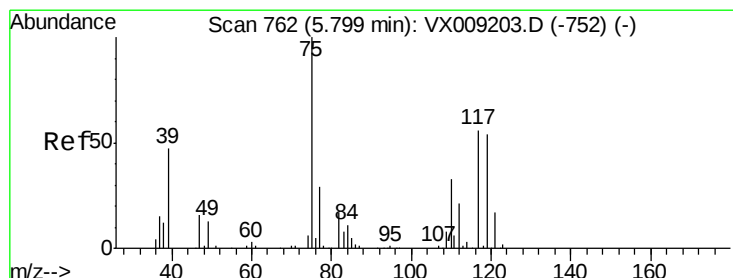
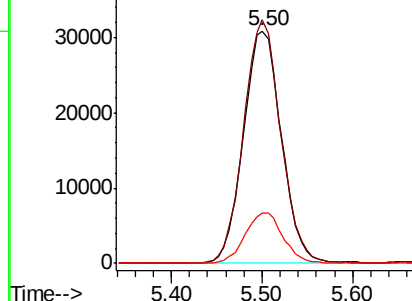
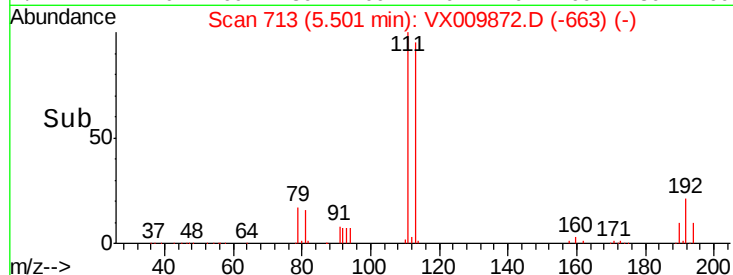
192 21.7 17.0 25.6



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: 5.269 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

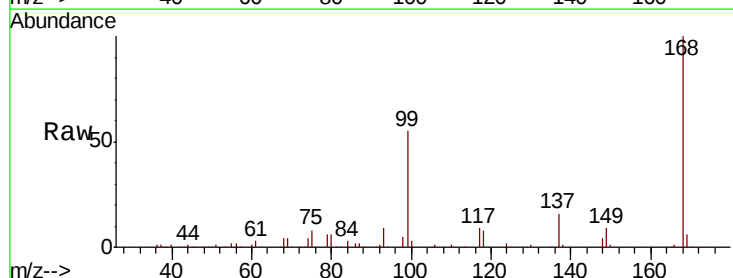
Tgt Ion: 75 Resp: 14350

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

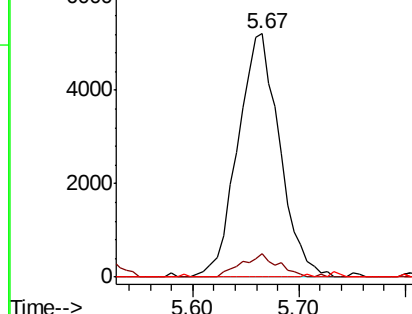
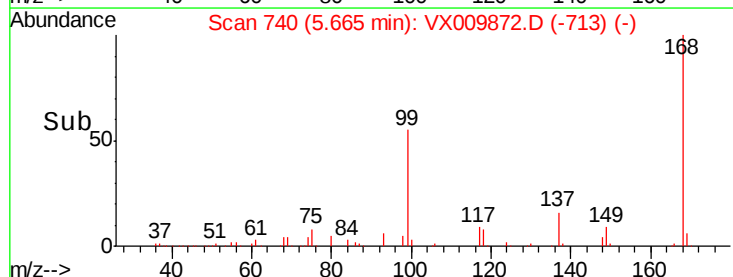
77 0.0 24.8 37.2#

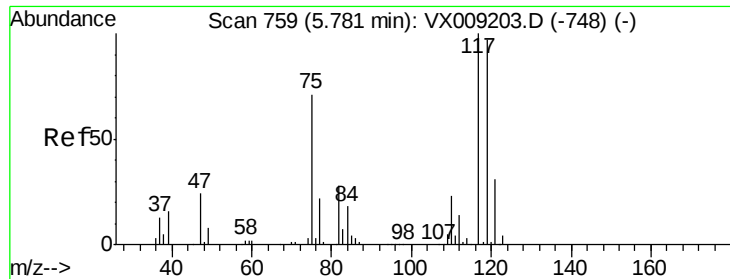


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.061 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

S36-0156

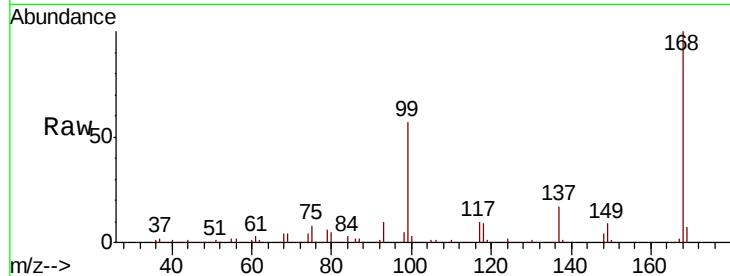
Tot Ion:117 Resp: 17473

Ion Ratio Lower Upper

117 100

119 4.9 77.5 116.3#

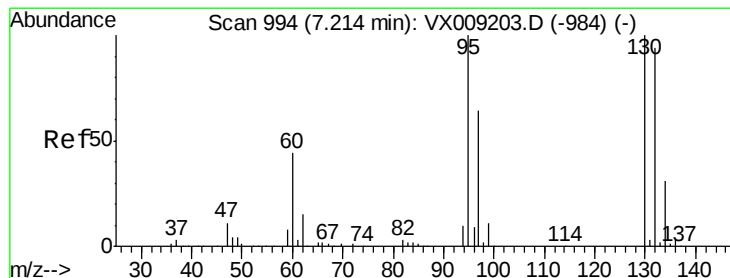
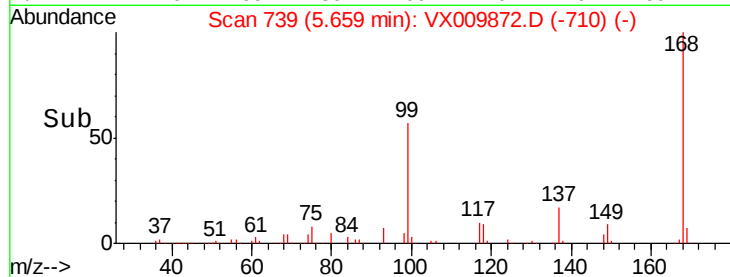
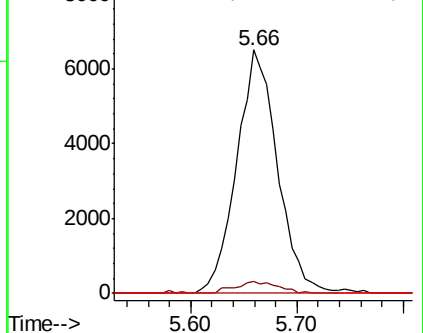
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 1.127 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009872.D

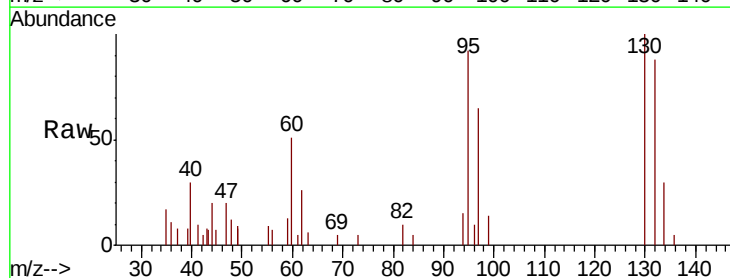
Acq: 23 May 2019 20:35

Tgt Ion:130 Resp: 2297

Ion Ratio Lower Upper

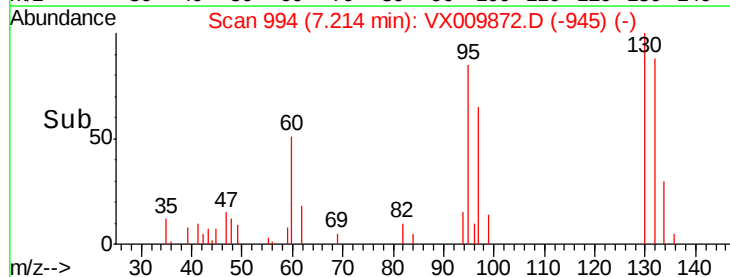
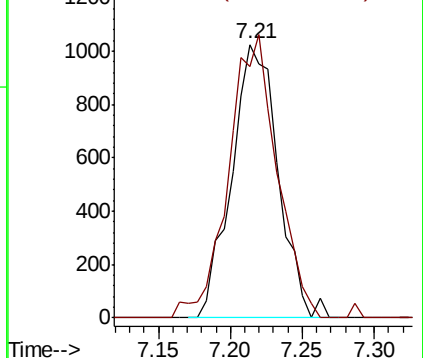
130 100

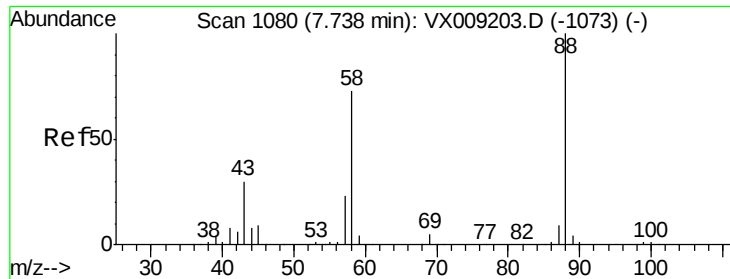
95 92.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

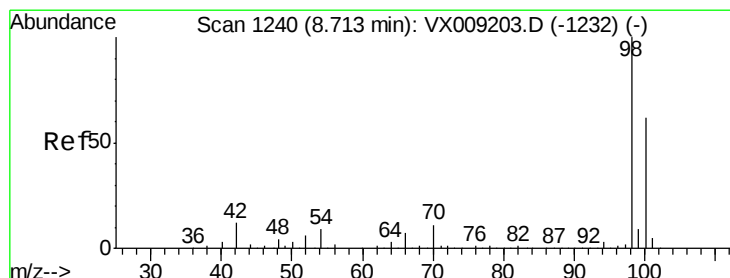
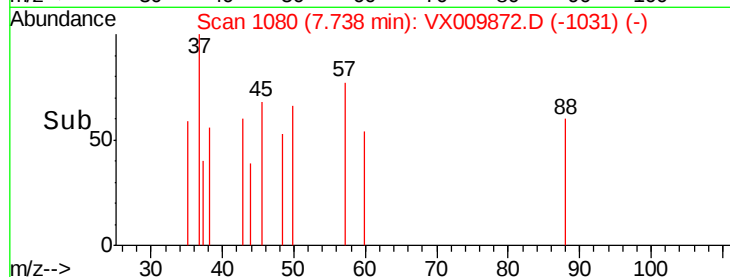
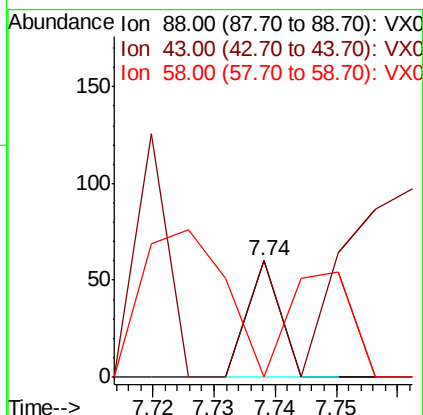
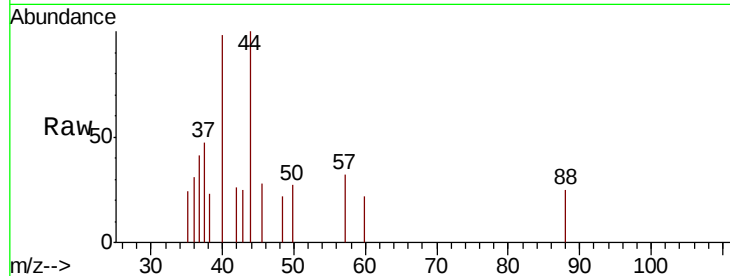




#49
1,4-Dioxane
Concen: 0.360 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009872.D
Acq: 23 May 2019 20:35

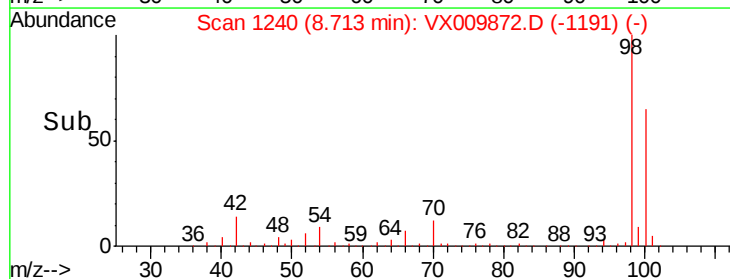
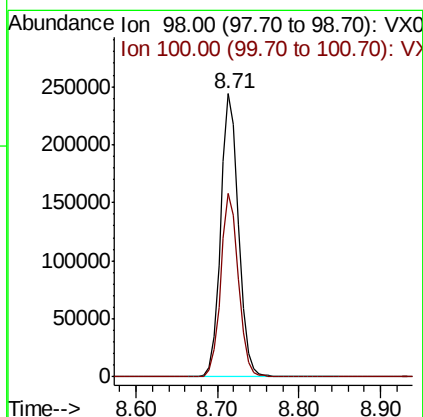
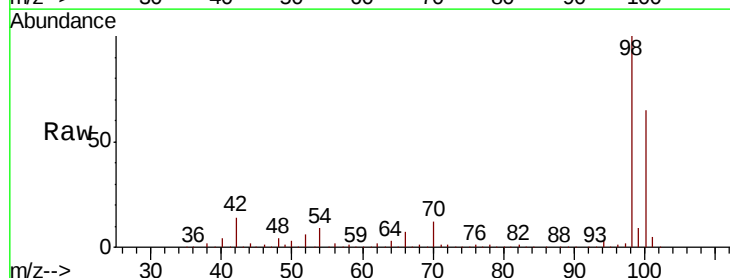
Instrument :
MSVOA_X
ClientSampled :
S36-0156

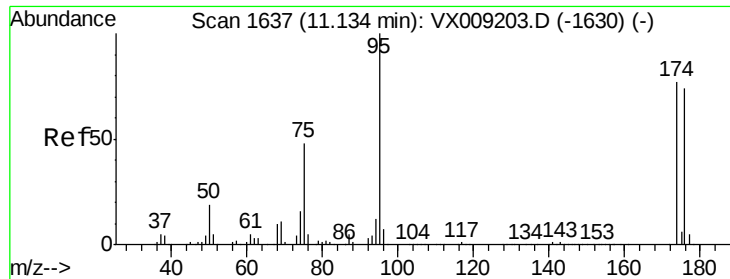
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 327.3 61.7 92.5#



#50
Toluene-d8
Concen: 49.967 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009872.D
Acq: 23 May 2019 20:35

Tgt Ion: 98 Resp: 371679
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 46.709 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

Instrument :

MSVOA_X

ClientSampled :

S36-0156

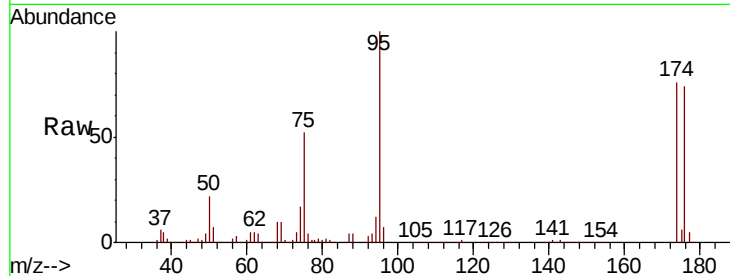
Tot Ion: 95 Resp: 126249

Ion Ratio Lower Upper

95 100

174 80.2 0.0 161.6

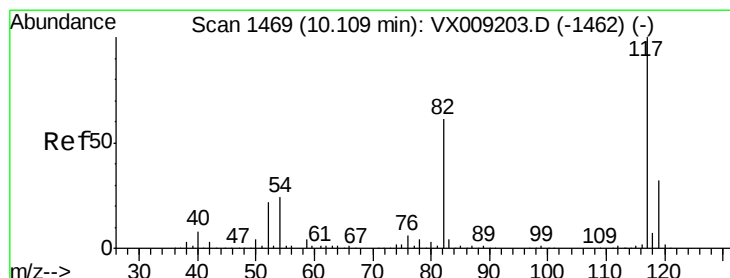
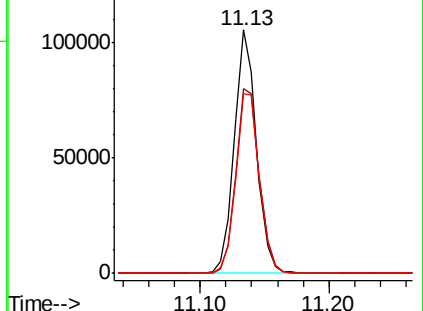
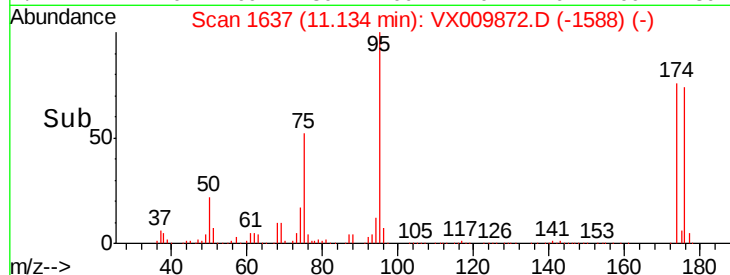
176 79.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009872.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009872.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009872.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

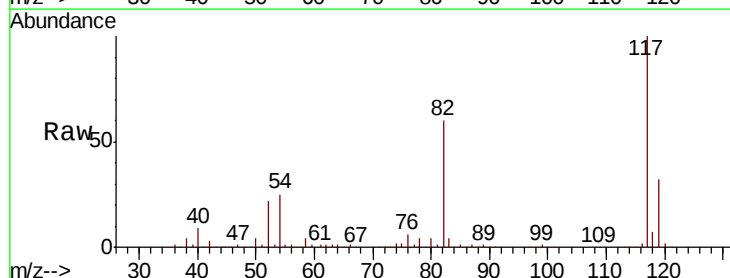
Tgt Ion: 117 Resp: 261863

Ion Ratio Lower Upper

117 100

82 60.3 48.8 73.2

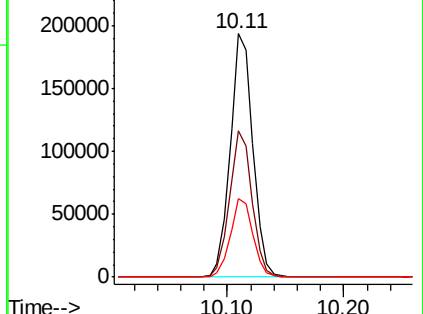
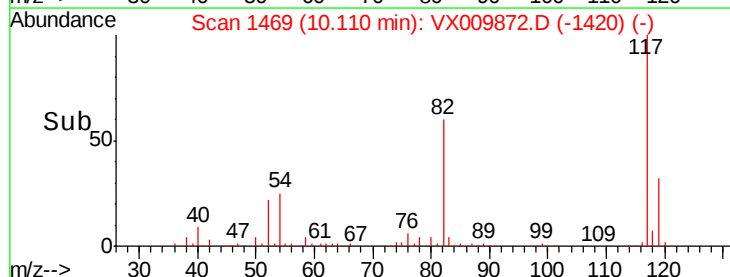
119 32.1 25.8 38.6

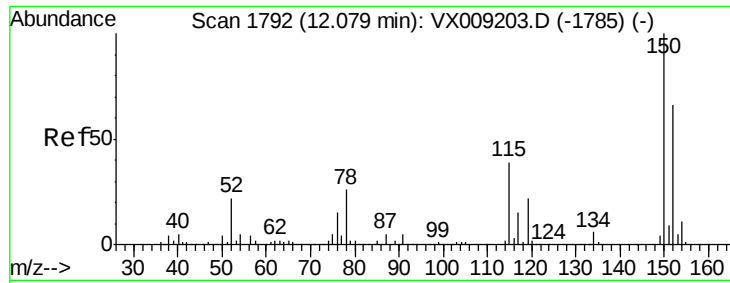


Abundance Ion 116.90 (116.60 to 117.60): VX009872.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009872.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009872.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

S36-0156

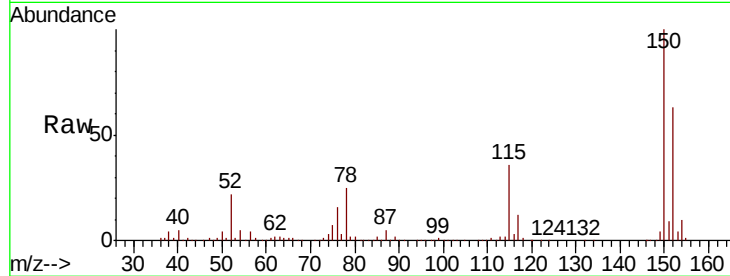
Tot Ion:152 Resp: 113783

Ion Ratio Lower Upper

152 100

115 59.3 41.2 123.6

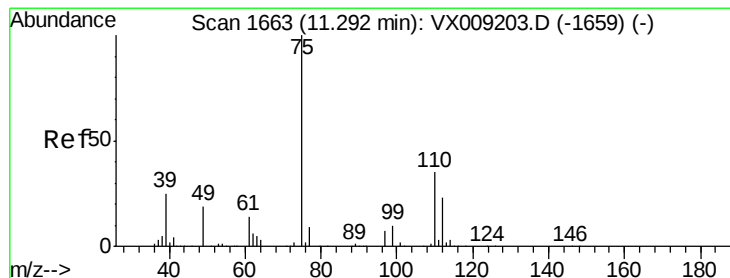
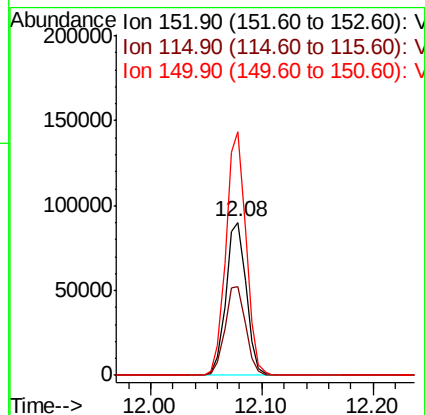
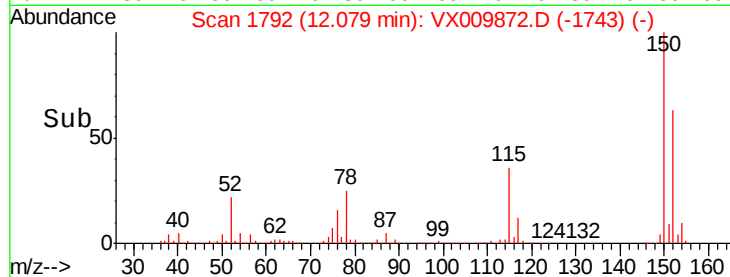
150 156.6 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.754 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009872.D

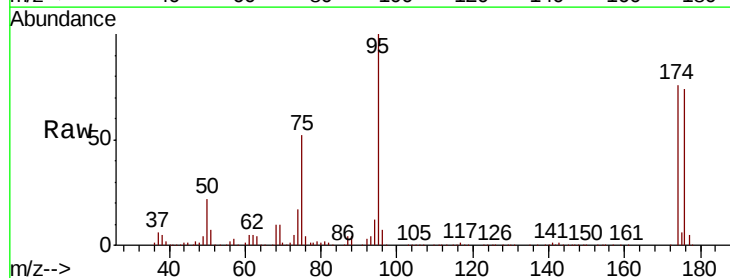
Acq: 23 May 2019 20:35

Tgt Ion: 75 Resp: 65334

Ion Ratio Lower Upper

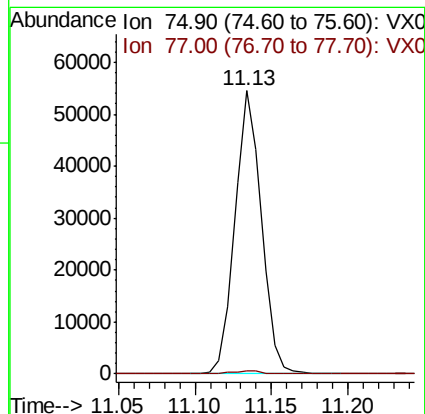
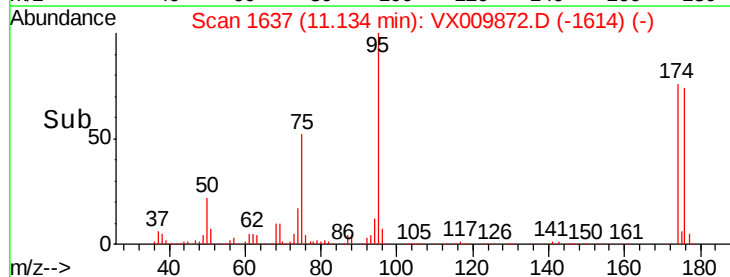
75 100

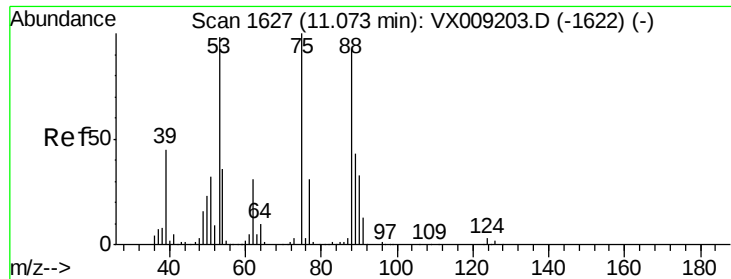
77 1.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.336 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009872.D

Acq: 23 May 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

S36-0156

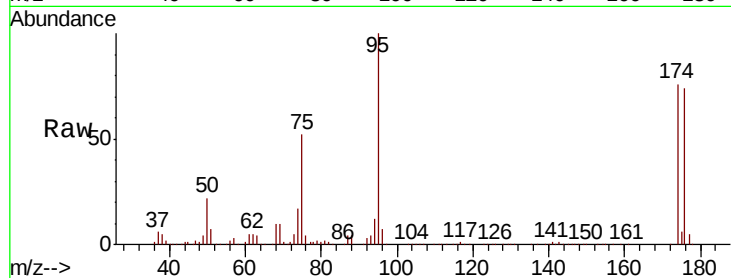
Tot Ion: 75 Resp: 65334

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.1 34.7 52.1#



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

