

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072919\
 Data File : VX011152.D
 Acq On : 29 Jul 2019 17:45
 Operator : JC/SP
 Sample : K4026-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0676

Quant Time: Jul 30 05:08:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	178259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122863	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	97595	51.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.92%	
35) Dibromofluoromethane	5.49	113	90659	50.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.52%	
50) Toluene-d8	8.71	98	339696	50.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.13	95	120249	48.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.70%	

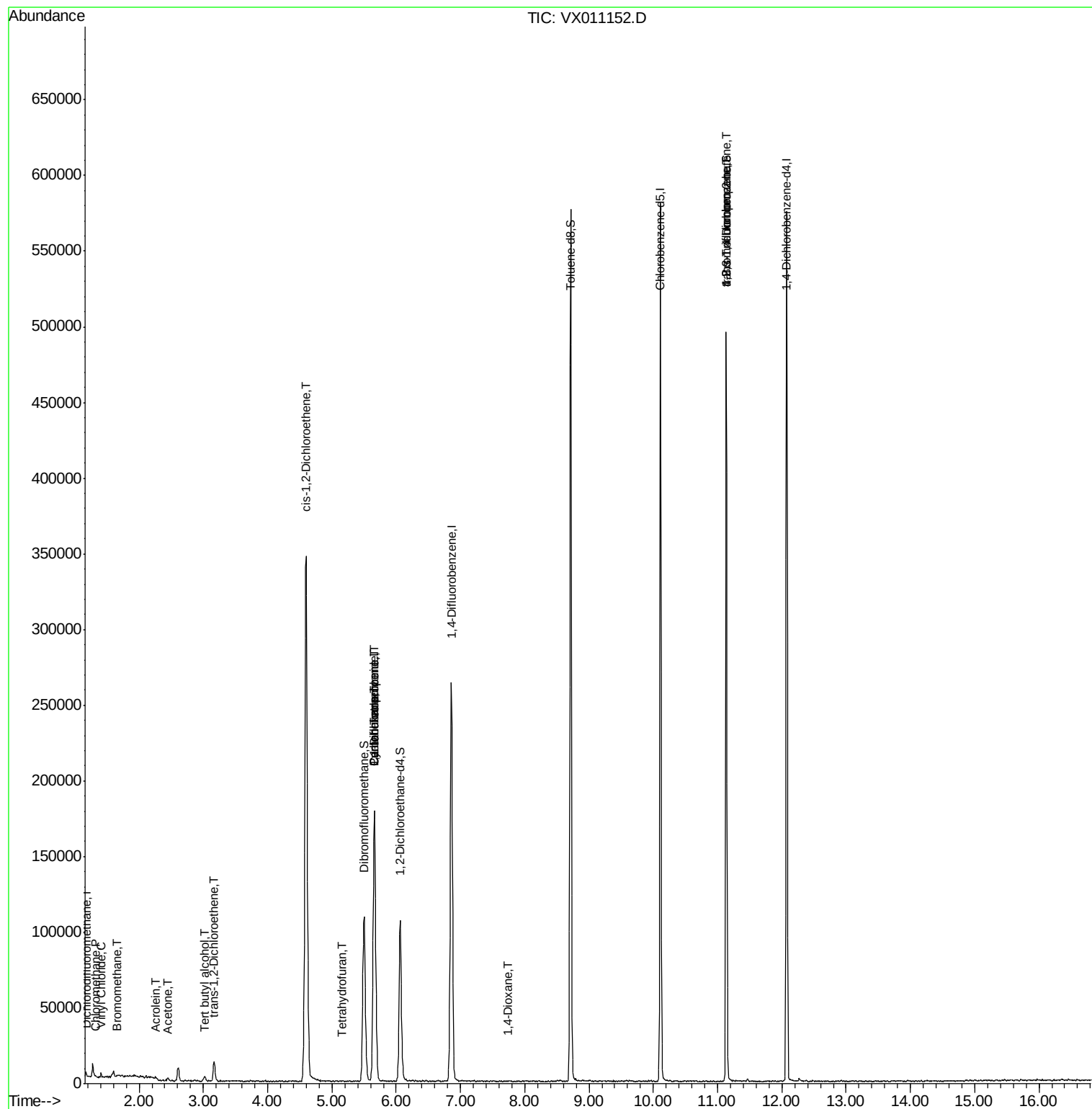
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	20	0.557	ug/l #	43
3) Chloromethane	1.33	50	584	0.356	ug/l	96
4) Vinyl Chloride	1.41	62	1483	0.887	ug/l	98
5) Bromomethane	1.66	94	444	0.471	ug/l	85
11) Tert butyl alcohol	3.01	59	1574	3.564	ug/l #	81
13) Acrolein	2.27	56	122	0.478	ug/l #	15
16) Acetone	2.45	43	2111	2.465	ug/l #	84
21) trans-1,2-Dichloroethene	3.17	96	5573	3.308	ug/l	87
27) cis-1,2-Dichloroethene	4.60	96	235869	120.971	ug/l	88
29) Tetrahydrofuran	5.15	42	216	0.277	ug/l #	57
31) Cyclohexane	5.67	56	3521	1.367	ug/l #	15
36) 1,1-Dichloropropene	5.67	75	11668	4.998	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16588	6.819	ug/l #	18
49) 1,4-Dioxane	7.73	88	19	0.355	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	59299	26.746	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	59299	66.348	ug/l #	11

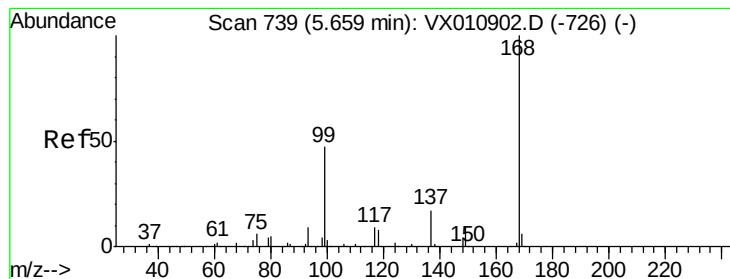
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011152.D

Acq: 29 Jul 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

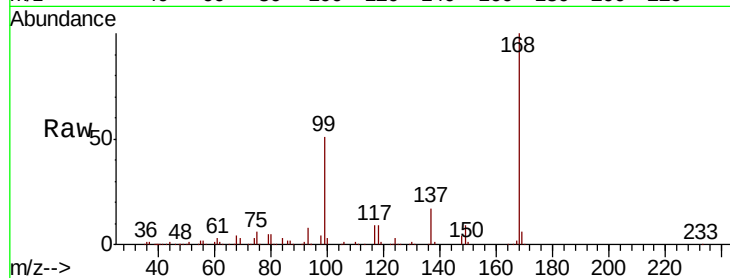
Z3-0676

Tot Ion:168 Resp: 178259

Ion Ratio Lower Upper

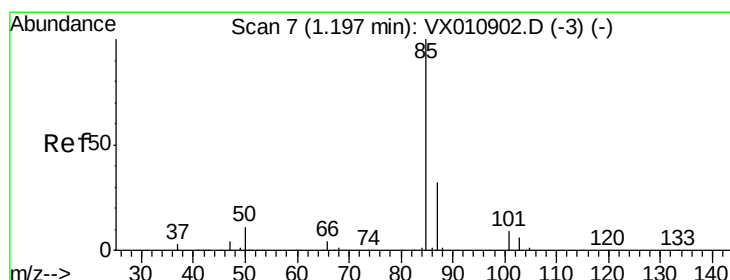
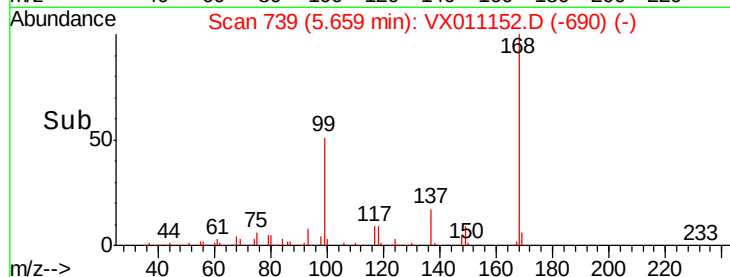
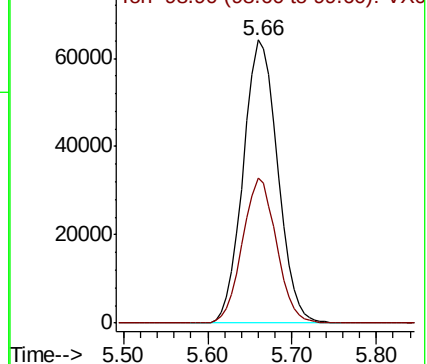
168 100

99 51.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.557 ug/l

RT: 1.18 min Scan# 5

Delta R.T. -0.01 min

Lab File: VX011152.D

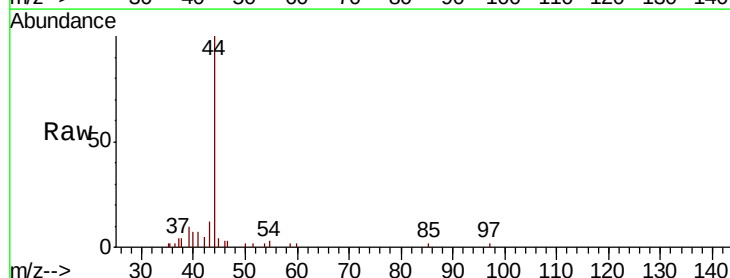
Acq: 29 Jul 2019 17:45

Tgt Ion: 85 Resp: 20

Ion Ratio Lower Upper

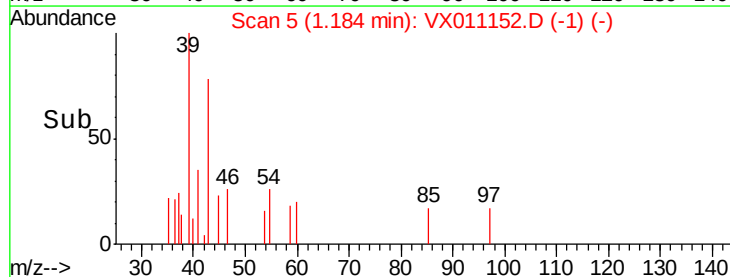
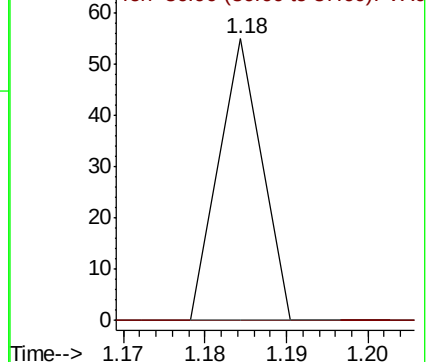
85 100

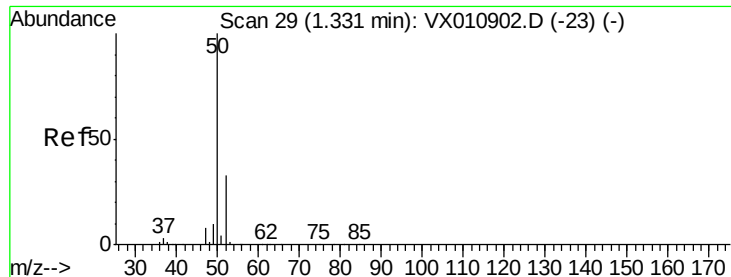
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.356 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011152.D

Acq: 29 Jul 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

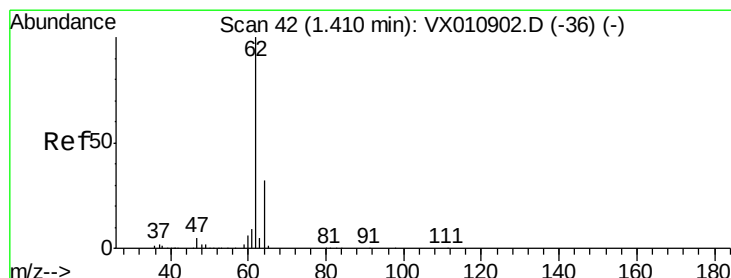
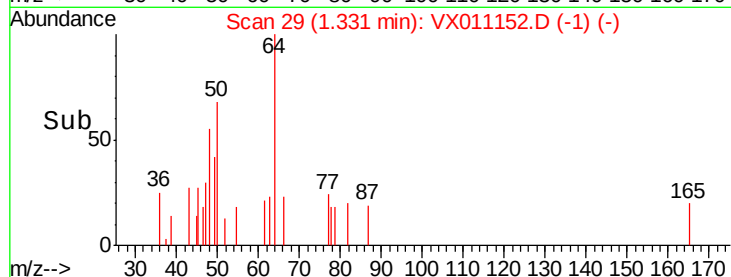
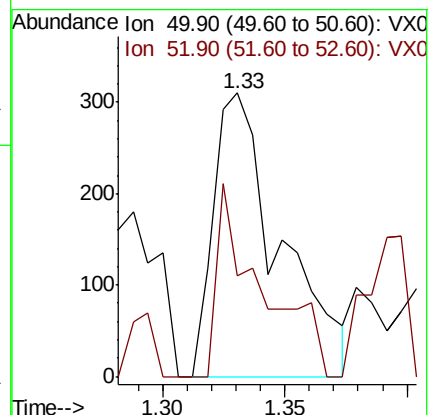
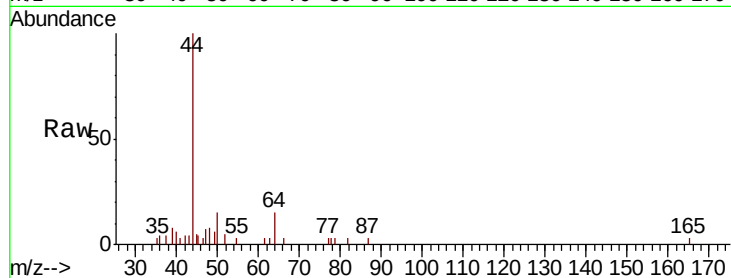
Z3-0676

Tot Ion: 50 Resp: 584

Ion Ratio Lower Upper

50 100

52 35.5 26.4 39.6



#4

Vinyl Chloride

Concen: 0.887 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011152.D

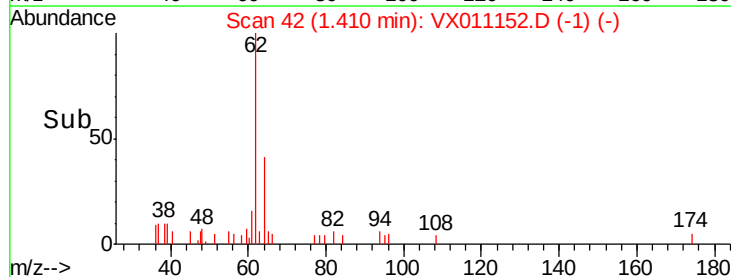
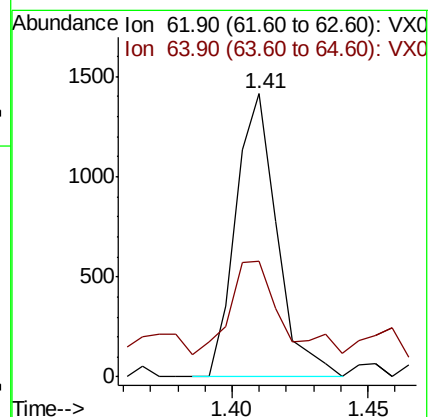
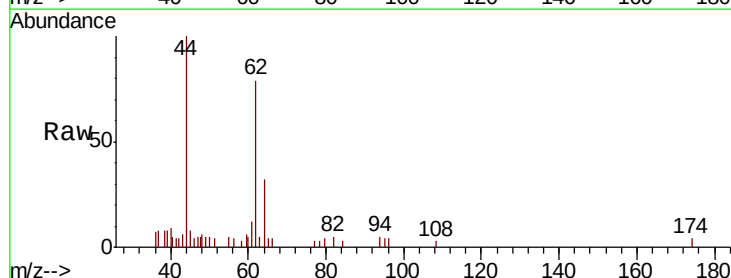
Acq: 29 Jul 2019 17:45

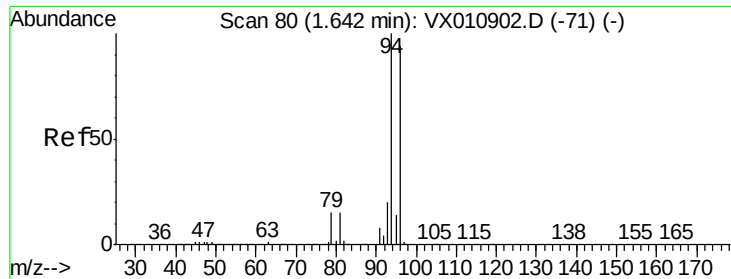
Tgt Ion: 62 Resp: 1483

Ion Ratio Lower Upper

62 100

64 33.3 25.7 38.5





#5

Bromomethane

Concen: 0.471 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX011152.D

Acq: 29 Jul 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

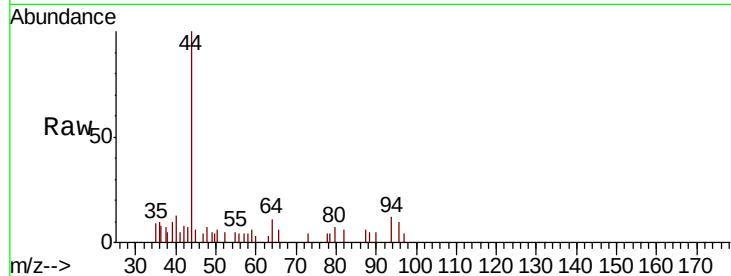
Z3-0676

Tot Ion: 94 Resp: 444

Ion Ratio Lower Upper

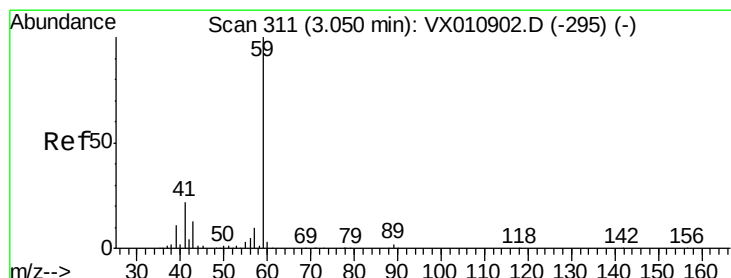
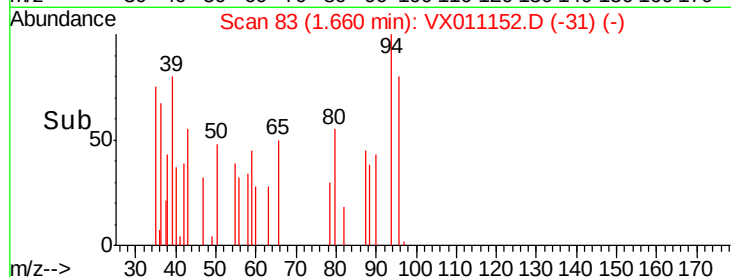
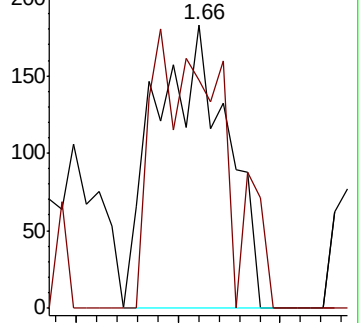
94 100

96 80.3 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 3.564 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX011152.D

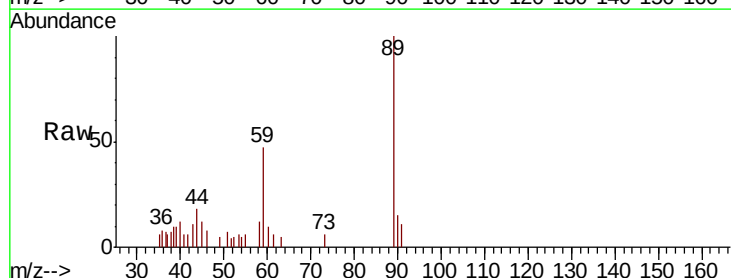
Acq: 29 Jul 2019 17:45

Tgt Ion: 59 Resp: 1574

Ion Ratio Lower Upper

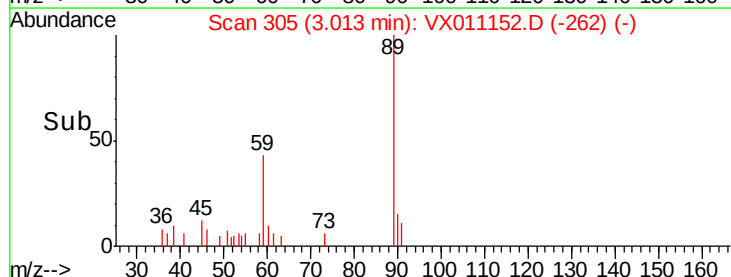
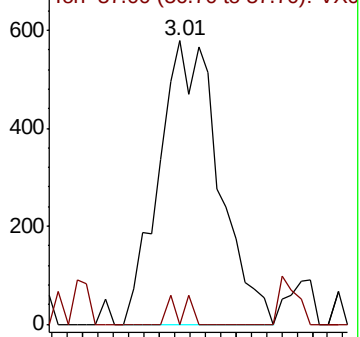
59 100

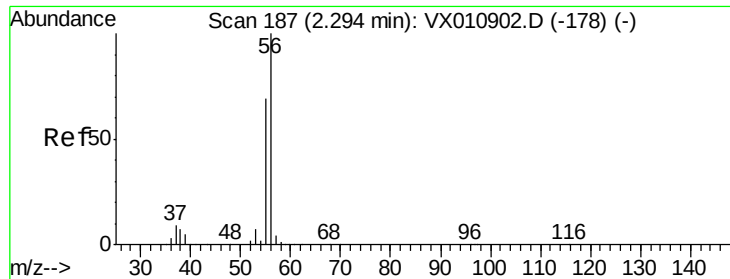
57 2.7 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

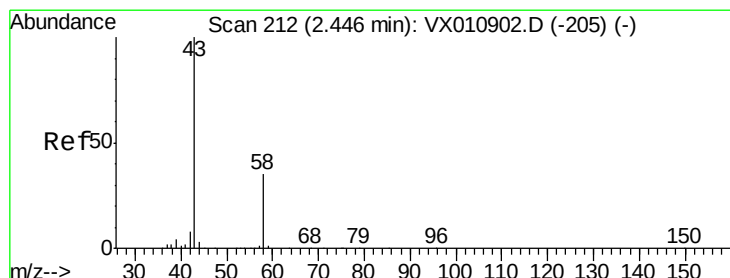
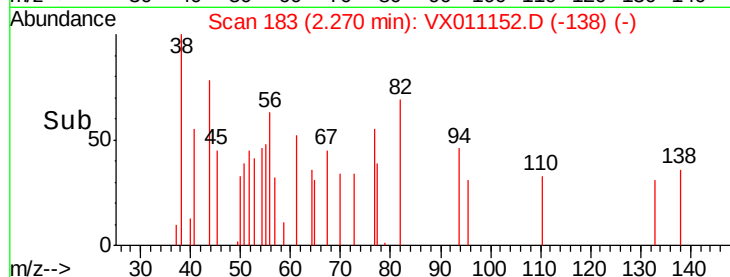
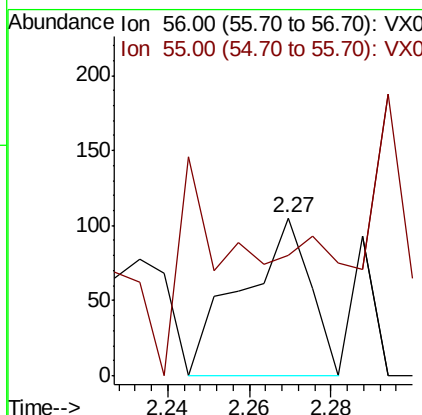
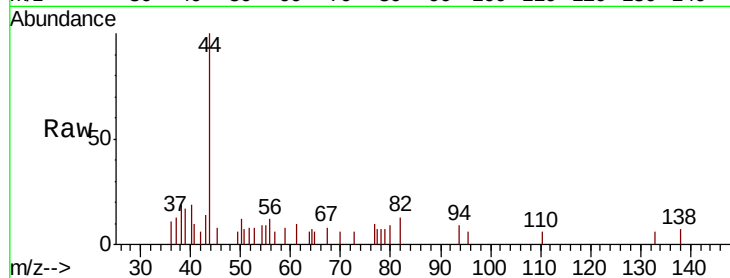




#13
Acrolein
Concen: 0.478 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX011152.D
Acq: 29 Jul 2019 17:45

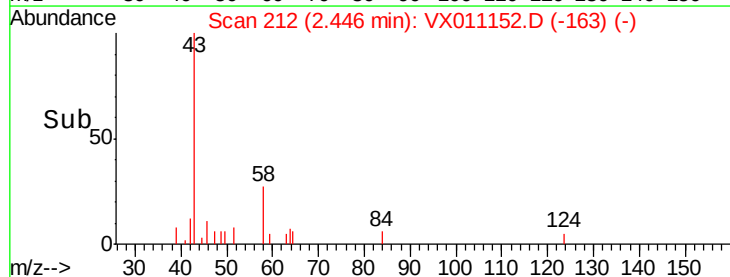
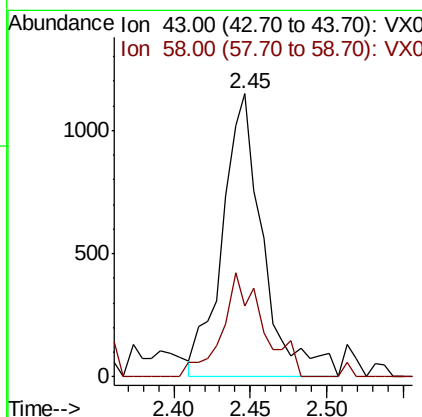
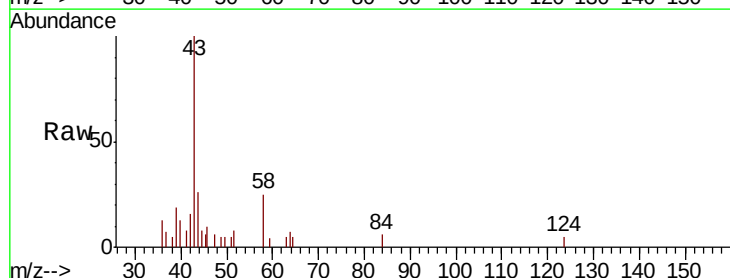
Instrument :
MSVOA_X
ClientSampled :
Z3-0676

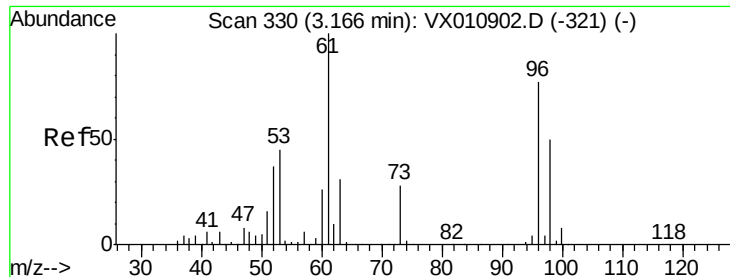
Tot Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 0.0 55.9 83.9#



#16
Acetone
Concen: 2.465 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX011152.D
Acq: 29 Jul 2019 17:45

Tgt Ion: 43 Resp: 2111
Ion Ratio Lower Upper
43 100
58 25.3 27.7 41.5#

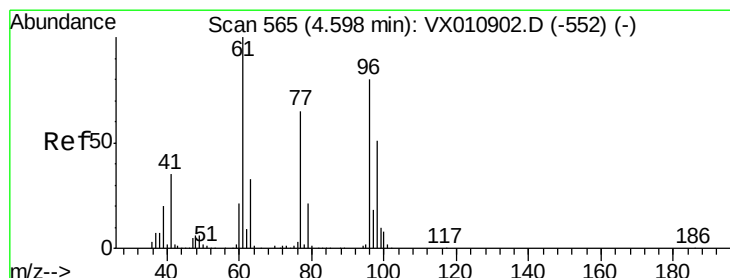
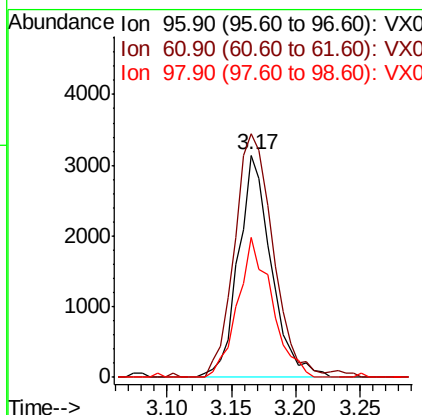
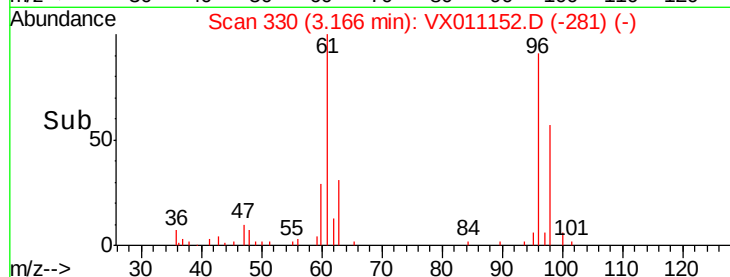
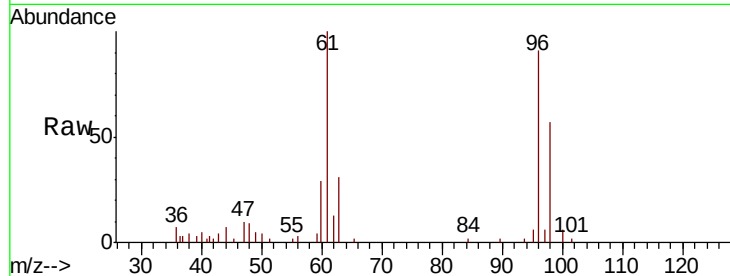




#21
 trans-1,2-Dichloroethene
 Concen: 3.308 ug/l
 RT: 3.17 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VX011152.D
 Acq: 29 Jul 2019 17:45

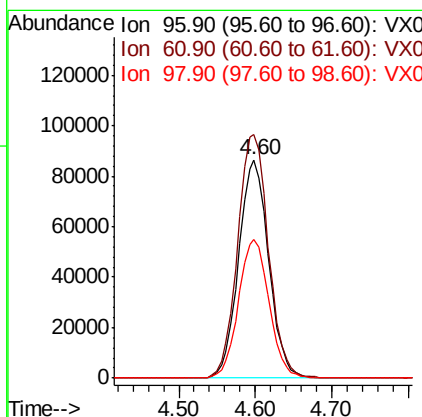
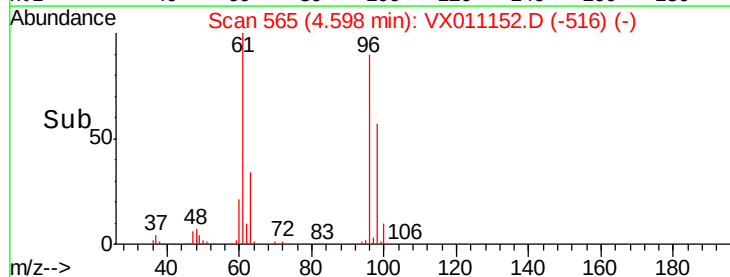
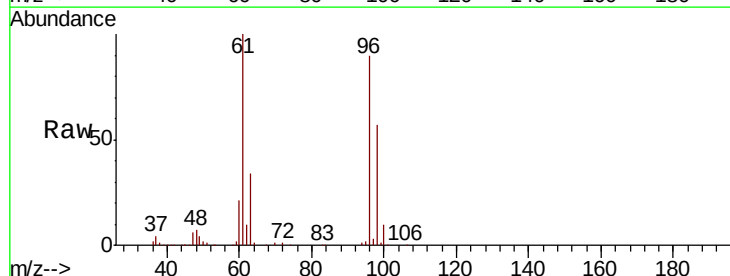
Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0676

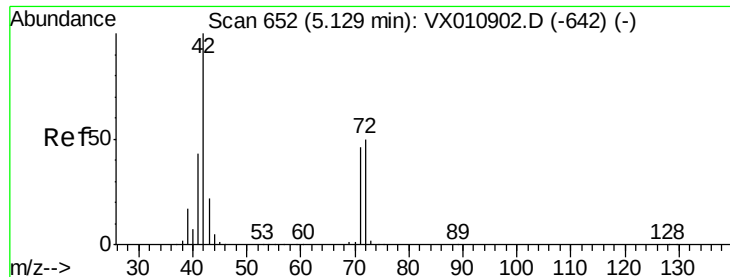
Tot Ion: 96 Resp: 5573
 Ion Ratio Lower Upper
 96 100
 61 109.5 104.2 156.2
 98 62.8 52.2 78.4



#27
 cis-1,2-Dichloroethene
 Concen: 120.971 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX011152.D
 Acq: 29 Jul 2019 17:45

Tgt Ion: 96 Resp: 235869
 Ion Ratio Lower Upper
 96 100
 61 114.7 0.0 269.0
 98 64.6 0.0 131.4

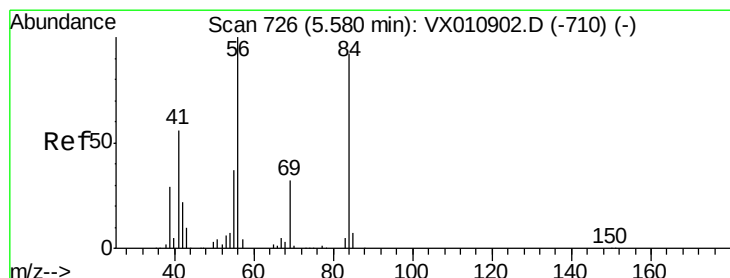
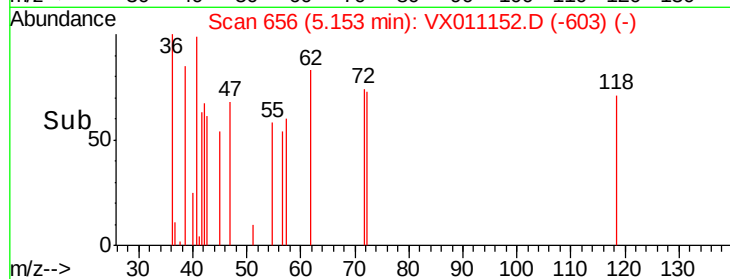
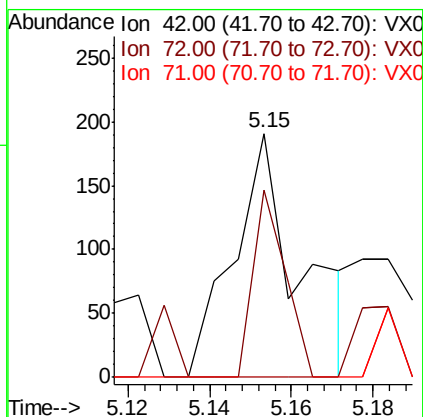
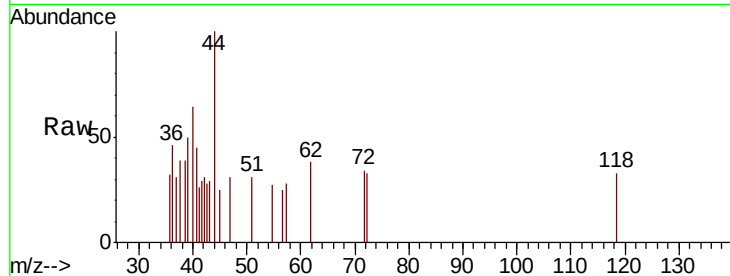




#29
Tetrahydrofuran
Concen: 0.277 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX011152.D
Acq: 29 Jul 2019 17:45

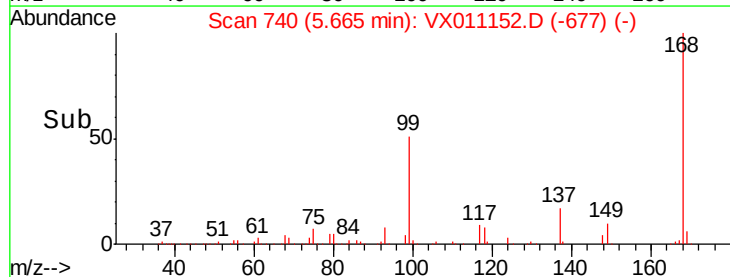
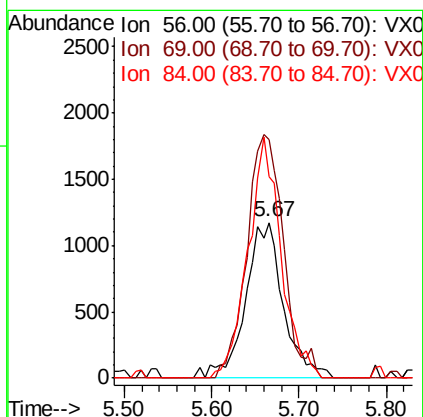
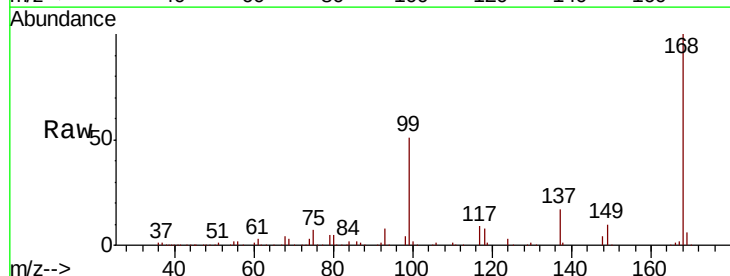
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MSVOA_X
ClientSampled :
Z3-0676

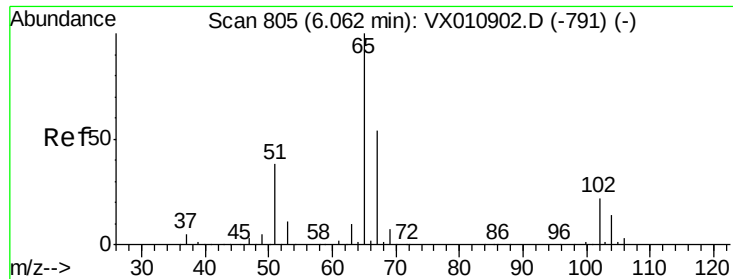
Tot Ion: 42 Resp: 216
Ion Ratio Lower Upper
42 100
72 37.5 39.8 59.8#
71 0.0 37.0 55.4#



#31
Cyclohexane
Concen: 1.367 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX011152.D
Acq: 29 Jul 2019 17:45

Tgt Ion: 56 Resp: 3521
Ion Ratio Lower Upper
56 100
69 153.5 25.8 38.8#
84 129.6 73.8 110.6#

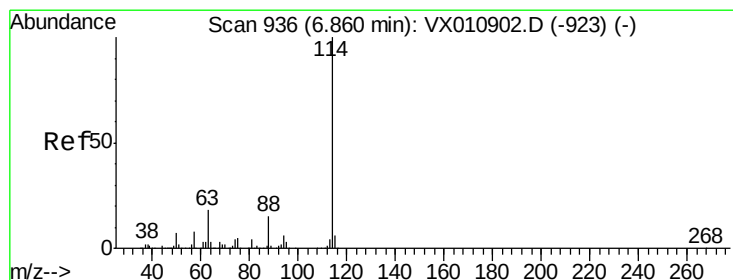
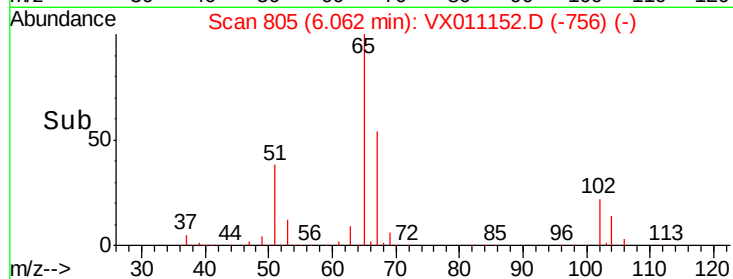
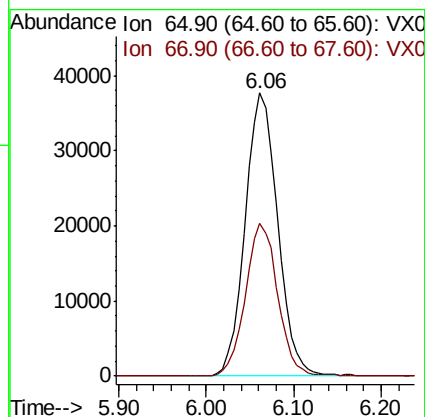
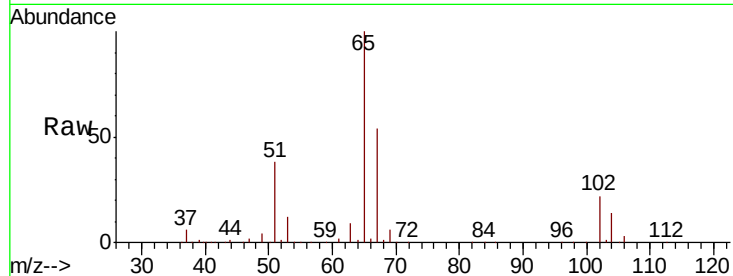




#33
 1,2-Dichloroethane-d4
 Concen: 51.463 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011152.D
 Acq: 29 Jul 2019 17:45

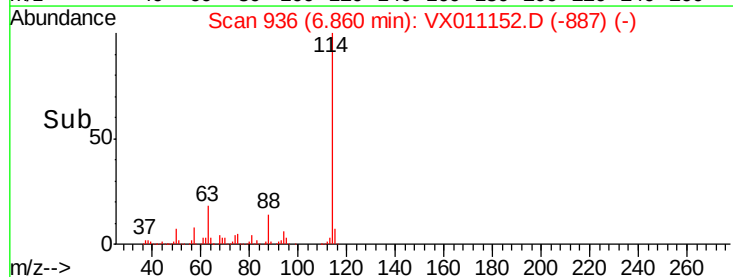
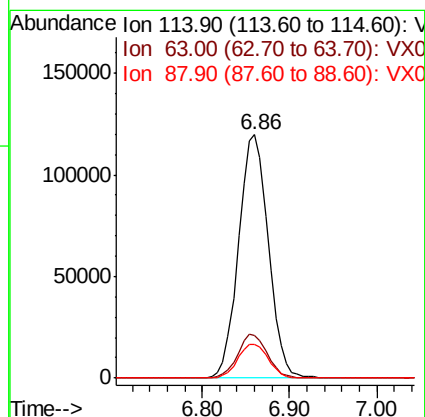
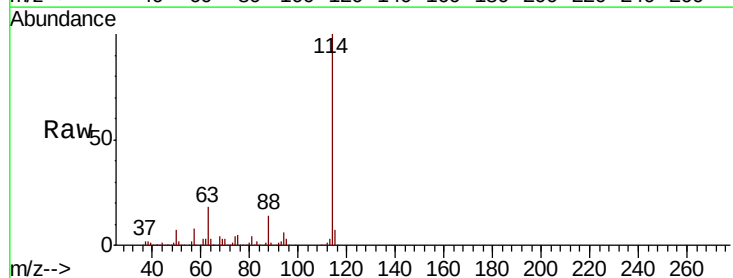
Instrument :
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 Z3-0676

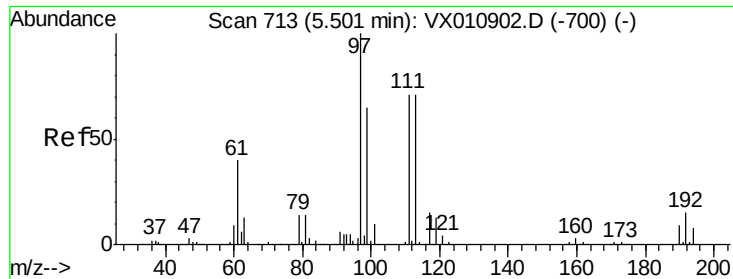
Tot Ion: 65 Resp: 97595
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011152.D
 Acq: 29 Jul 2019 17:45

Tgt Ion: 114 Resp: 284213
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.6
 88 14.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.256 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011152.D

Acq: 29 Jul 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

Z3-0676

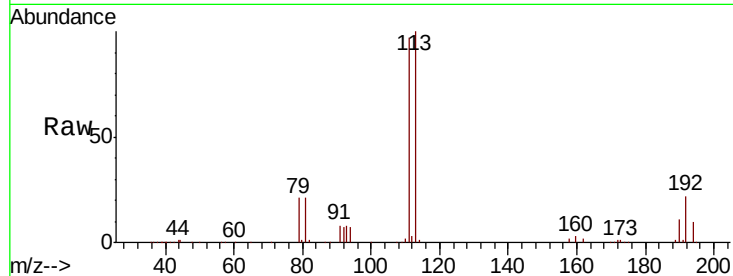
Tot Ion:113 Resp: 90659

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

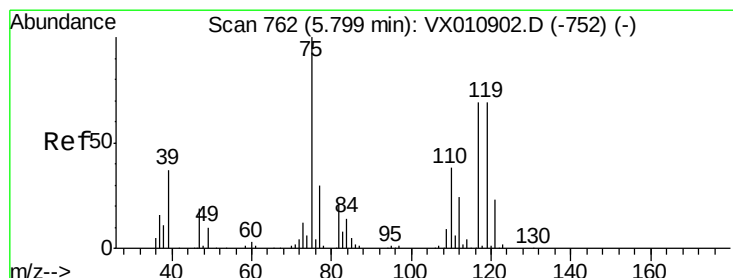
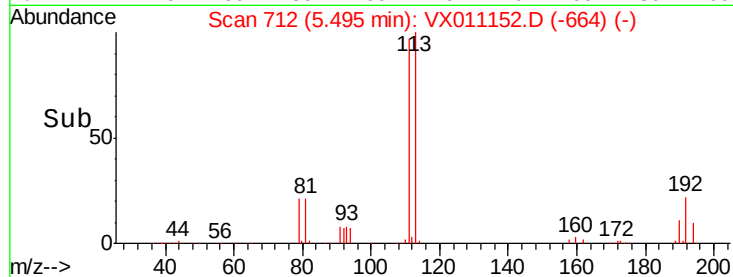
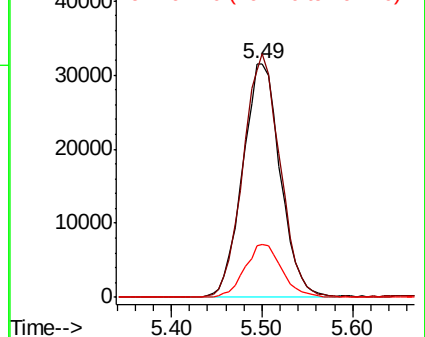
192 22.2 17.4 26.2



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: 4.998 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX011152.D

Acq: 29 Jul 2019 17:45

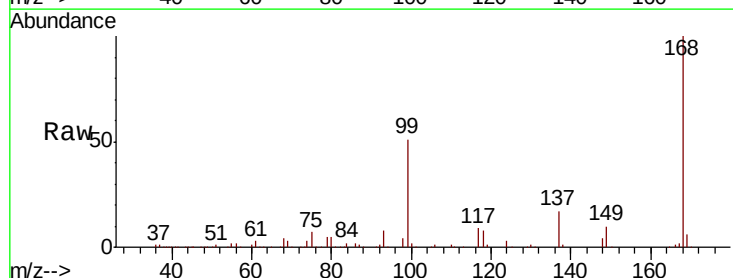
Tgt Ion: 75 Resp: 11668

Ion Ratio Lower Upper

75 100

110 11.5 19.9 59.7#

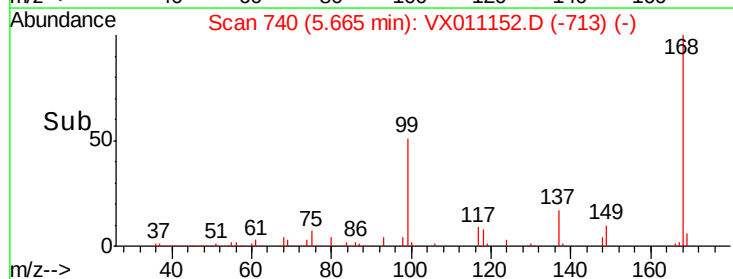
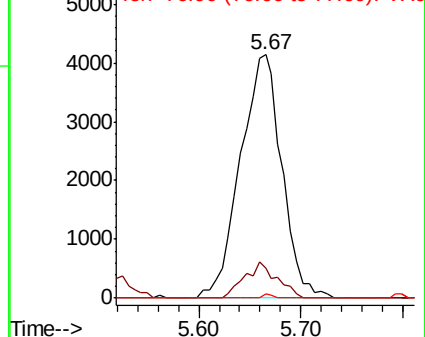
77 0.4 25.0 37.4#

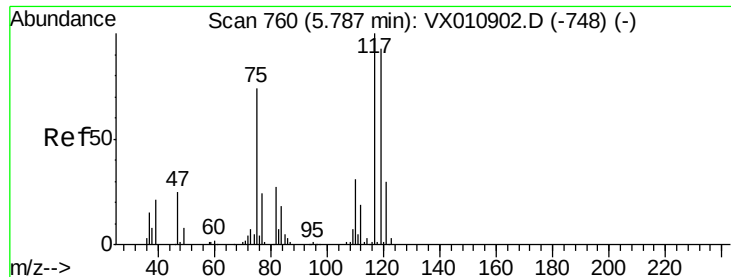


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.819 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011152.D

Acq: 29 Jul 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

Z3-0676

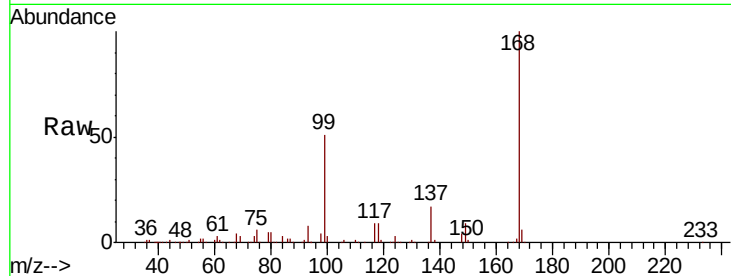
Tot Ion:117 Resp: 16588

Ion Ratio Lower Upper

117 100

119 5.5 74.2 111.2#

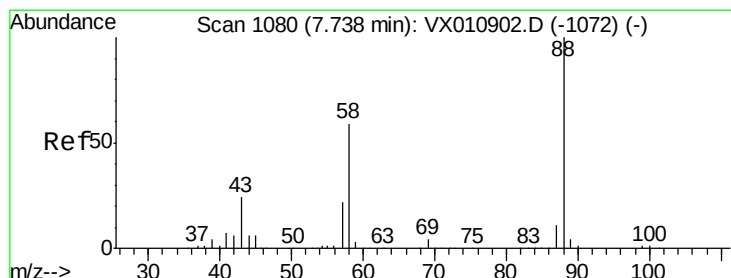
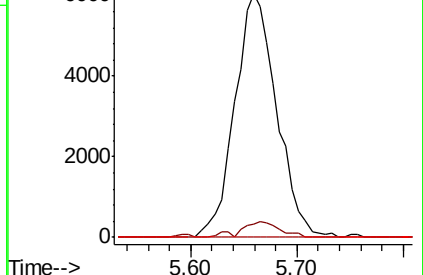
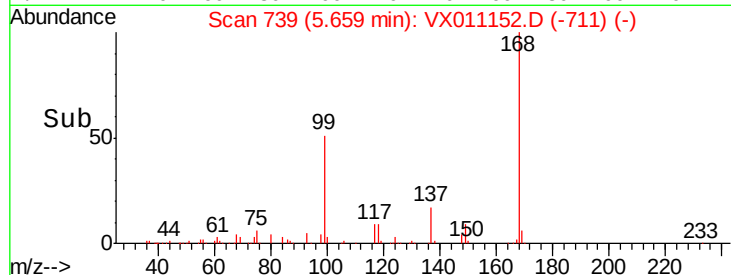
121 0.0 24.2 36.2#



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: 0.355 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VX011152.D

Acq: 29 Jul 2019 17:45

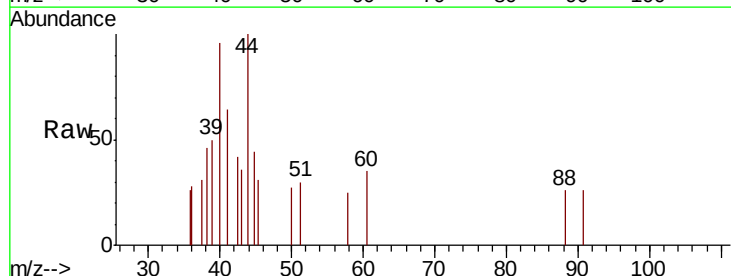
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

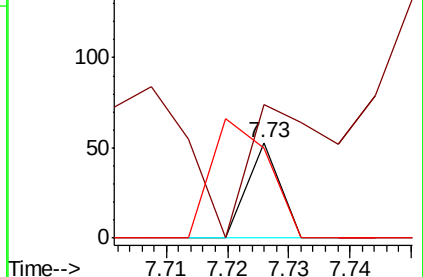
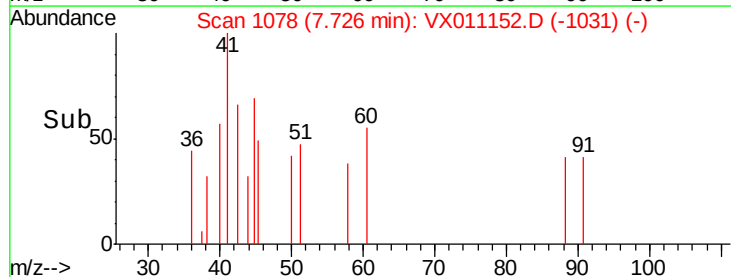
58 221.1 49.8 74.8#

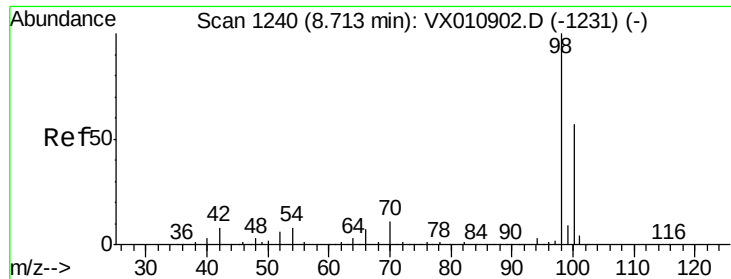


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

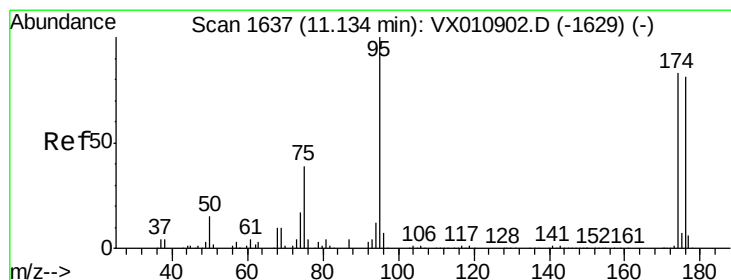
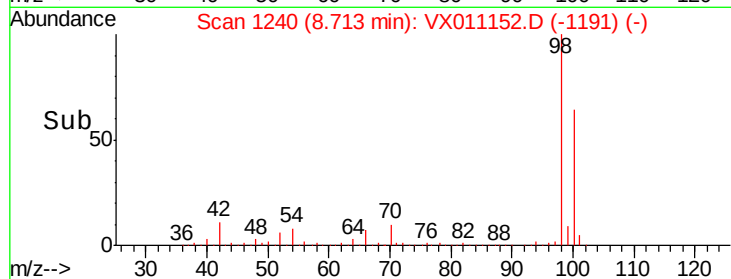
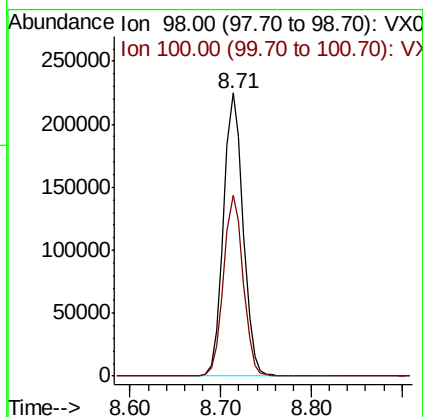
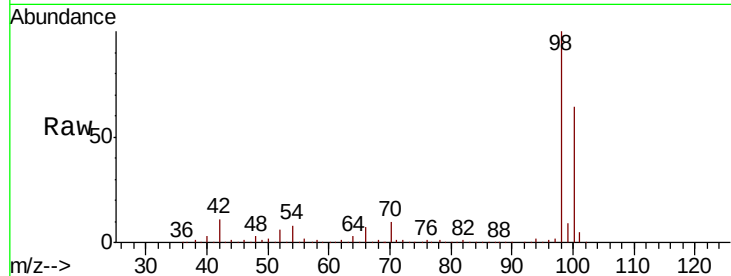




#50
Toluene-d8
Concen: 50.206 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011152.D
Acq: 29 Jul 2019 17:45

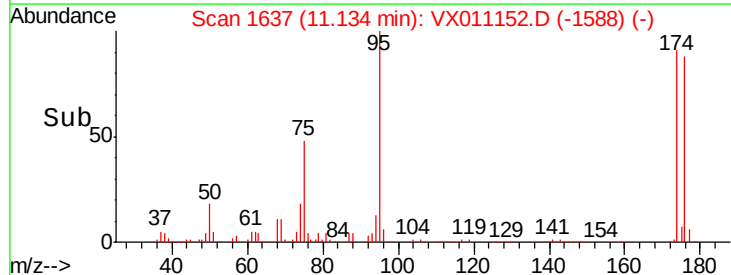
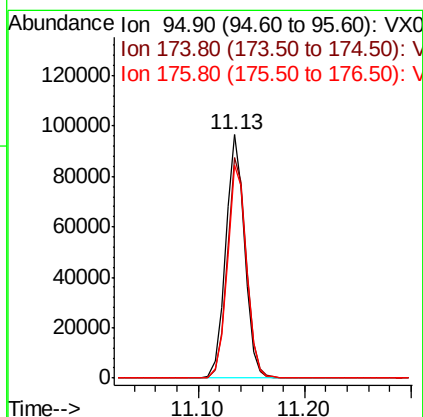
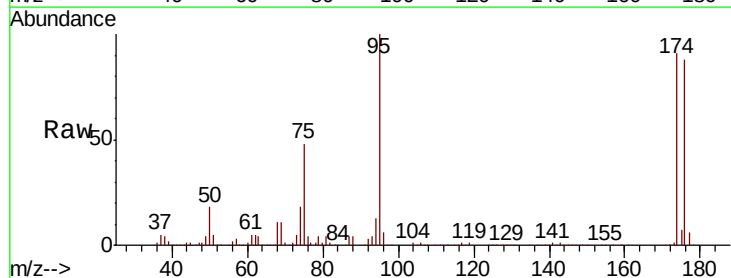
Instrument :
MSVOA_X
ClientSampled :
Z3-0676

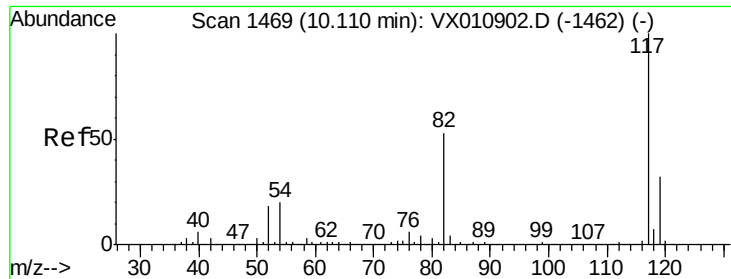
Tot Ion: 98 Resp: 339696
Ion Ratio Lower Upper
98 100
100 63.9 50.6 75.8



#62
4-Bromofluorobenzene
Concen: 48.351 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011152.D
Acq: 29 Jul 2019 17:45

Tgt Ion: 95 Resp: 120249
Ion Ratio Lower Upper
95 100
174 91.5 0.0 180.6
176 88.5 0.0 173.8

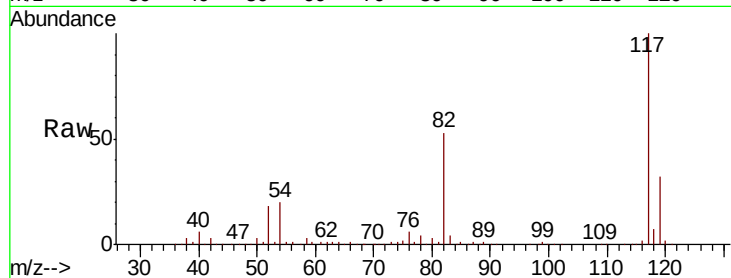




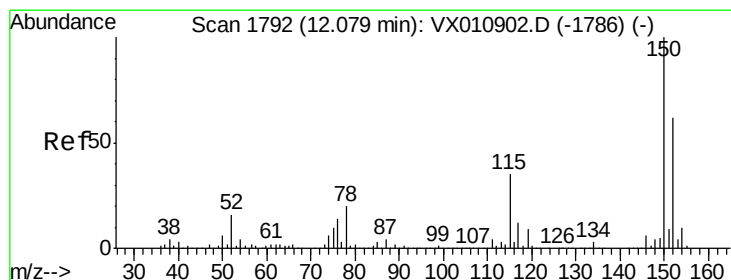
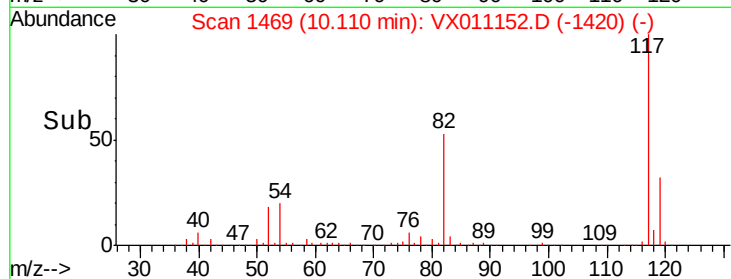
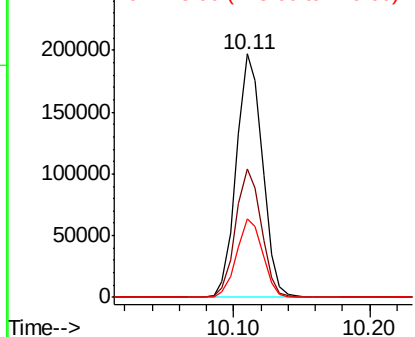
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011152.D
Acq: 29 Jul 2019 17:45

Instrument :
MSVOA_X
ClientSampled :
Z3-0676

Tot Ion:117 Resp: 263744
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 32.2 25.9 38.9

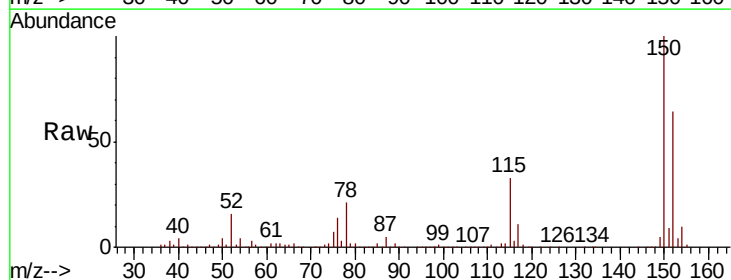


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

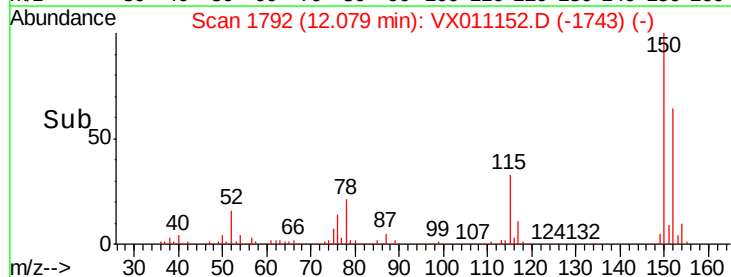
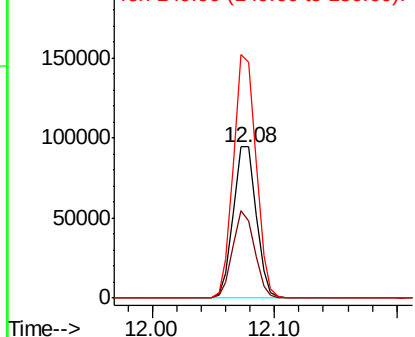


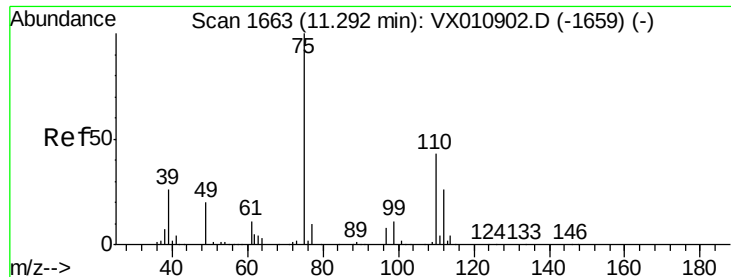
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011152.D
Acq: 29 Jul 2019 17:45

Tgt Ion:152 Resp: 122863
Ion Ratio Lower Upper
152 100
115 55.0 39.7 119.1
150 158.1 0.0 345.6



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: 26.746 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011152.D

Acq: 29 Jul 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

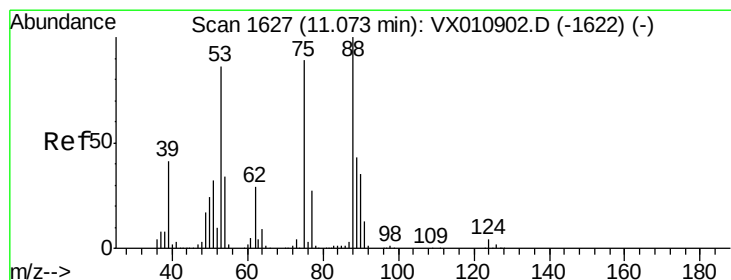
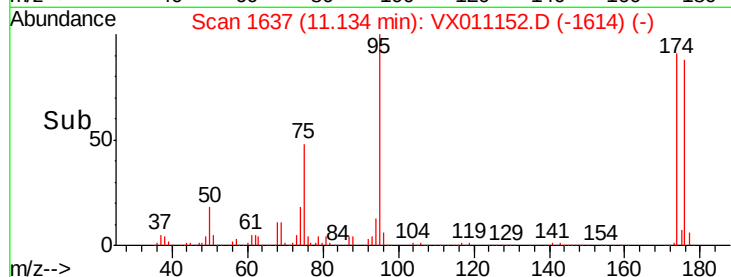
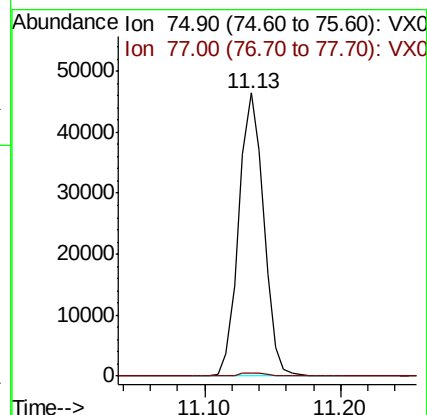
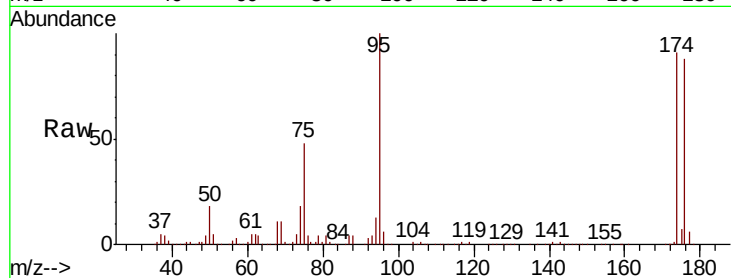
Z3-0676

Tot Ion: 75 Resp: 59299

Ion Ratio Lower Upper

75 100

77 1.4 21.3 64.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.348 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011152.D

Acq: 29 Jul 2019 17:45

Tgt Ion: 75 Resp: 59299

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 38.5 57.7#

