

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
 Data File : VX012637.D
 Acq On : 24 Sep 2019 16:54
 Operator : JC/SP
 Sample : K5013-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0518

Quant Time: Sep 25 04:38:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	161751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278448	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	77519	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	119425	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	5.49	113	84062	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	8.71	98	324543	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	11.14	95	104714	41.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.40%	

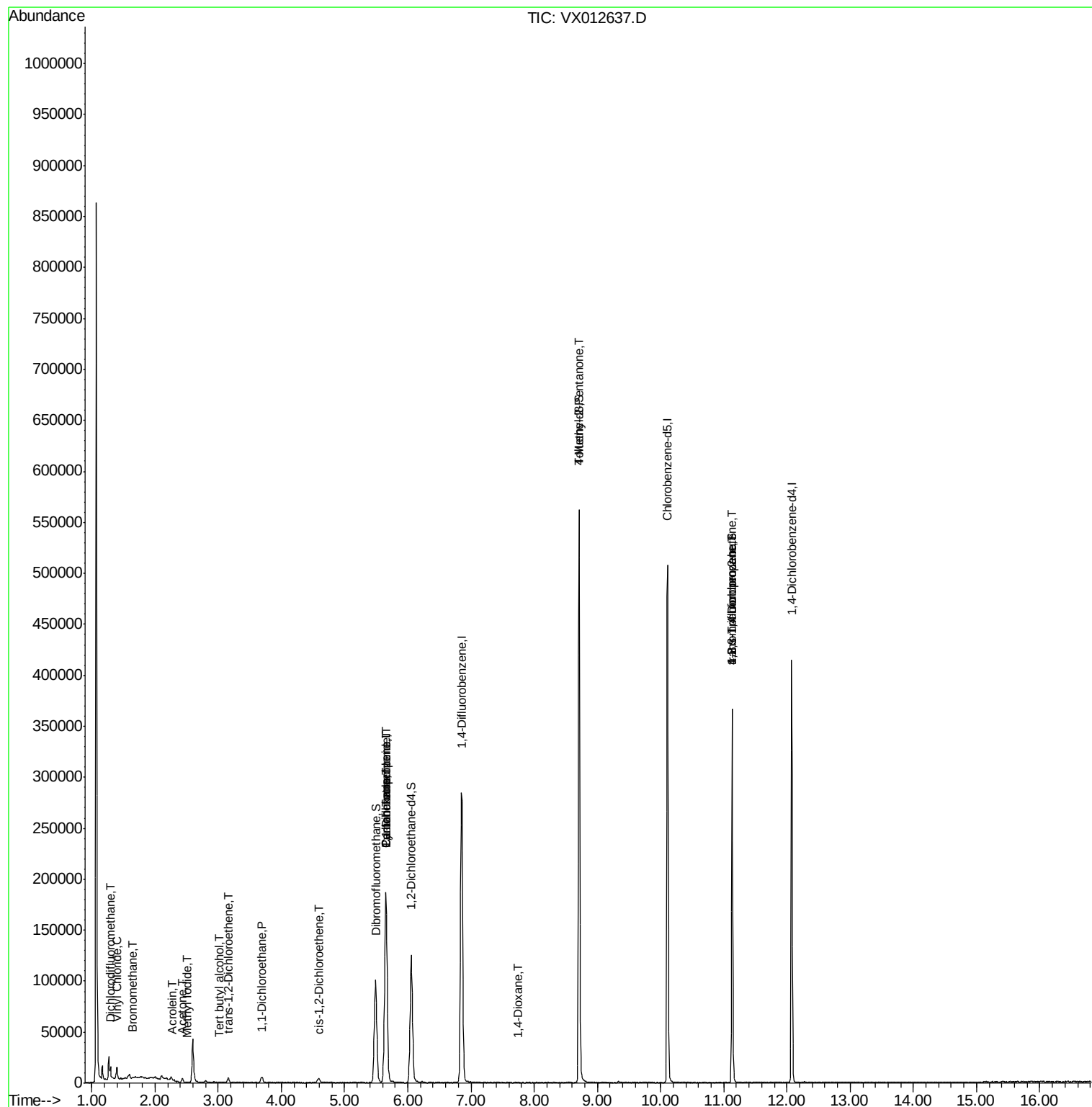
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.30	85	625	0.343	ug/l #	63
4) Vinyl Chloride	1.40	62	3941	1.898	ug/l	99
5) Bromomethane	1.64	94	334	0.409	ug/l	91
10) Methyl Iodide	2.51	142	91	4.997	ug/l #	60
11) Tert butyl alcohol	3.02	59	683	1.161	ug/l #	72
13) Acrolein	2.28	56	69	10.435	ug/l #	15
16) Acetone	2.43	43	3888	3.116	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	1898	0.985	ug/l	92
24) 1,1-Dichloroethane	3.69	63	5979	1.650	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	2528	1.131	ug/l	87
31) Cyclohexane	5.65	56	4326	1.319	ug/l #	19
36) 1,1-Dichloropropene	5.65	75	14336	5.341	ug/l #	53
38) Carbon Tetrachloride	5.65	117	17529	6.429	ug/l #	17
49) 1,4-Dioxane	7.75	88	21	0.368	ug/l #	22
51) 4-Methyl-2-Pentanone	8.71	43	1586	0.490	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	54431	26.544	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	54431	76.070	ug/l #	8

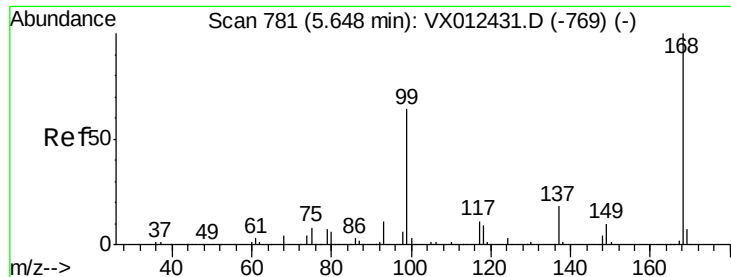
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

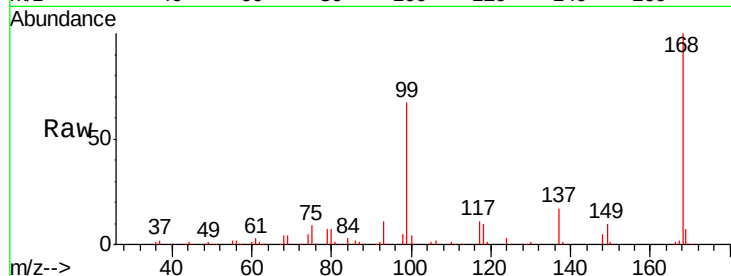
S49-0518

Tgt Ion:168 Resp: 161751

Ion Ratio Lower Upper

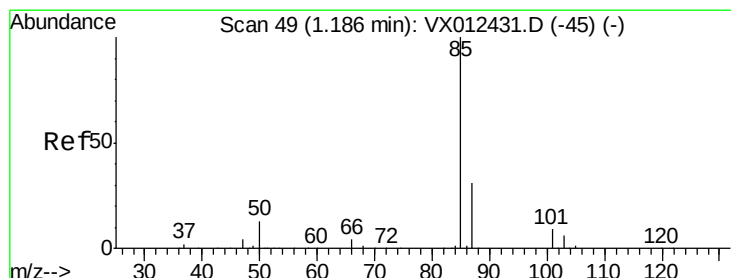
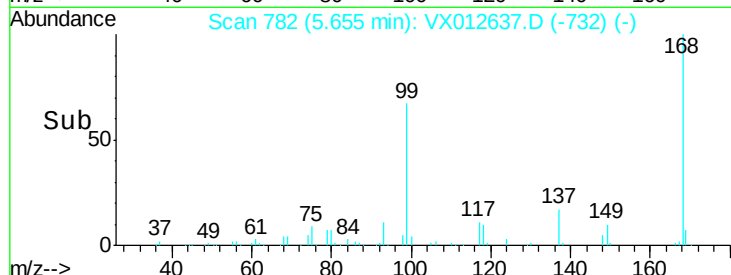
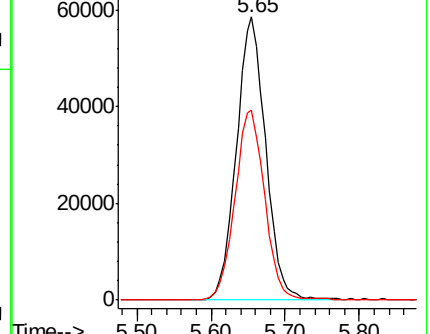
168 100

99 66.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.343 ug/l

RT: 1.30 min Scan# 67

Delta R.T. 0.11 min

Lab File: VX012637.D

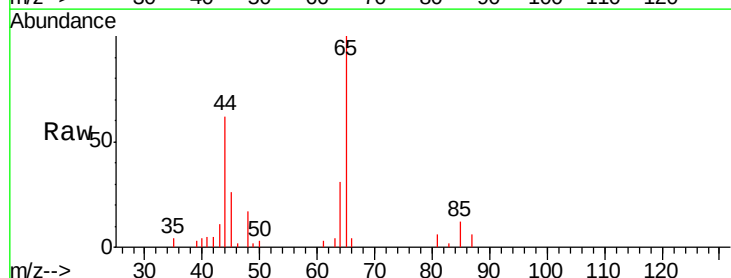
Acq: 24 Sep 2019 16:54

Tgt Ion: 85 Resp: 625

Ion Ratio Lower Upper

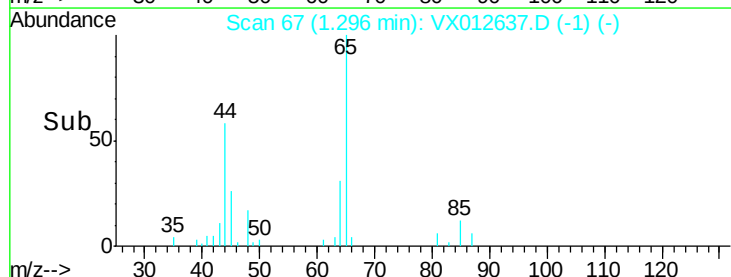
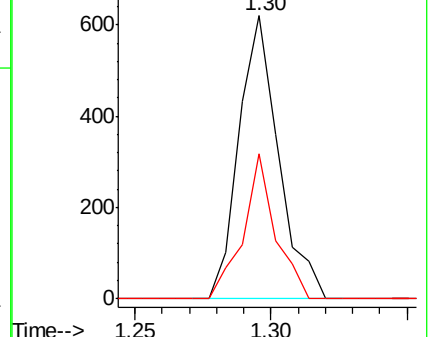
85 100

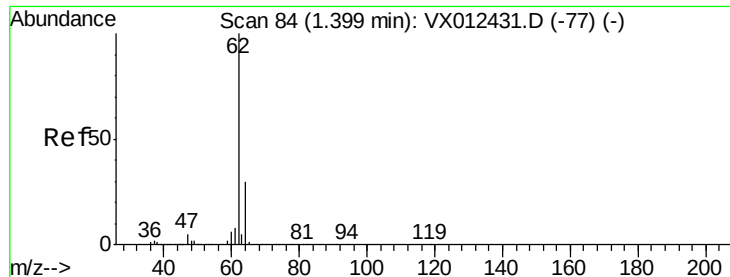
87 51.5 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 1.898 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

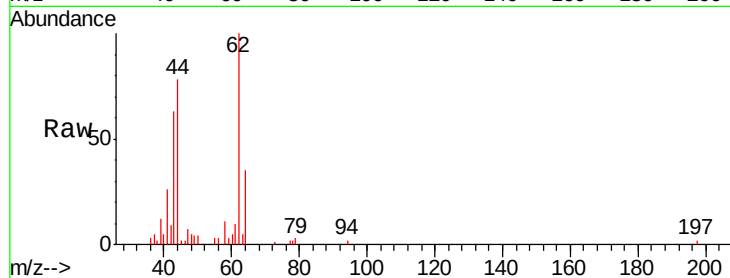
S49-0518

Tgt Ion: 62 Resp: 3941

Ion Ratio Lower Upper

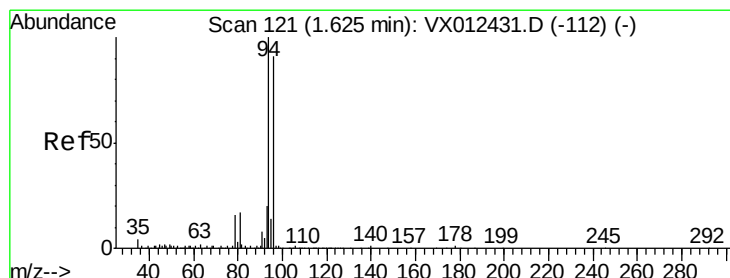
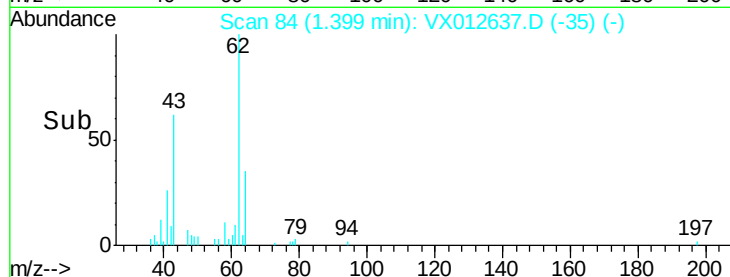
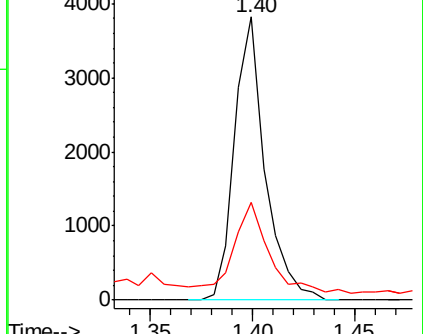
62 100

64 30.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.409 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012637.D

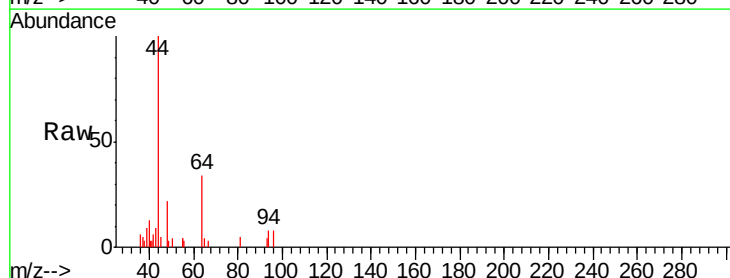
Acq: 24 Sep 2019 16:54

Tgt Ion: 94 Resp: 334

Ion Ratio Lower Upper

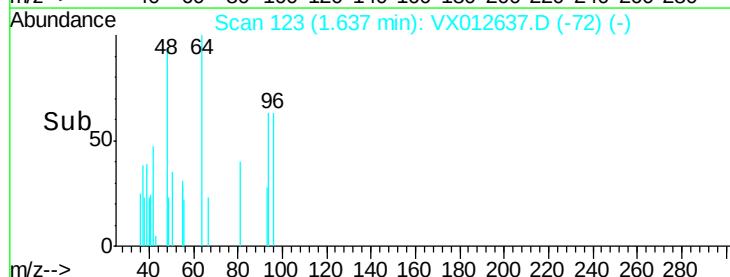
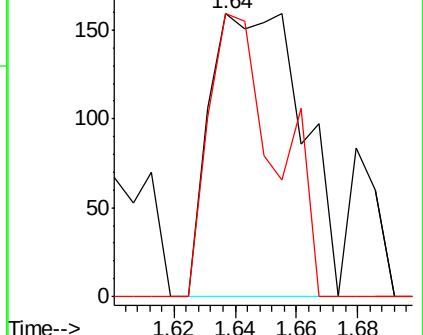
94 100

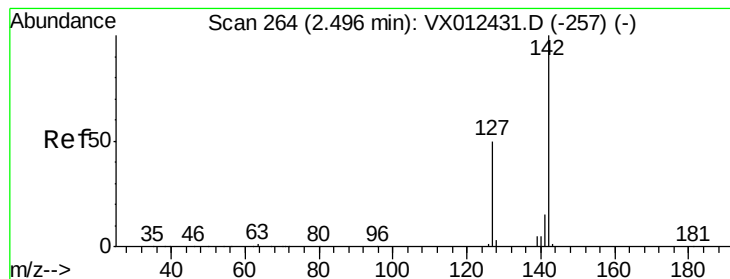
96 100.0 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 4.997 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

Instrument :

MSVOA_X

ClientSampled :

S49-0518

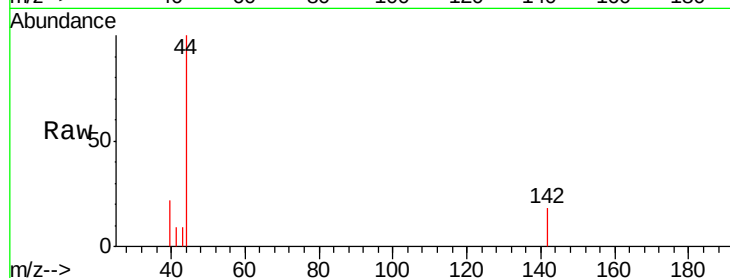
Tgt Ion: 142 Resp: 91

Ion Ratio Lower Upper

142 100

127 22.0 40.8 61.2#

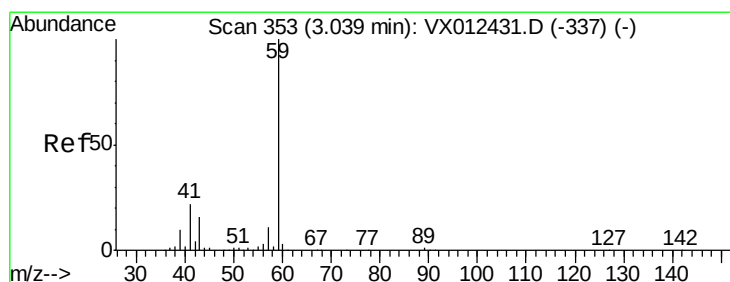
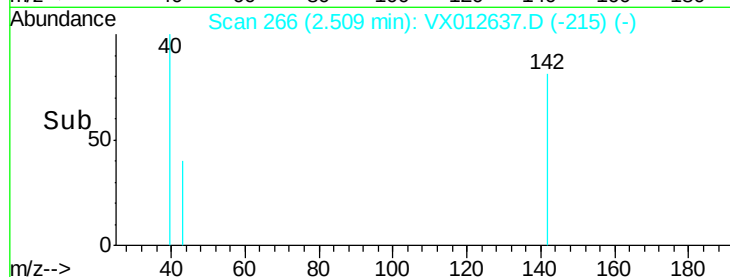
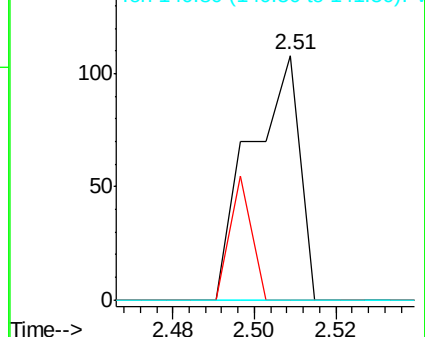
141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.161 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX012637.D

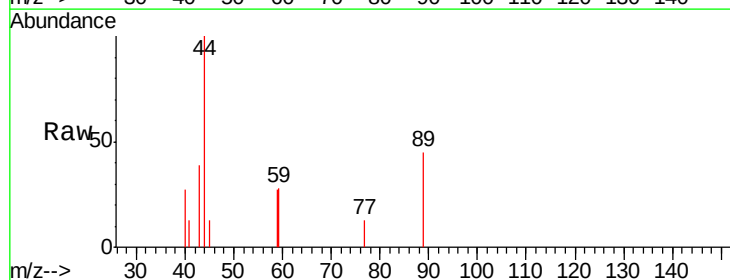
Acq: 24 Sep 2019 16:54

Tgt Ion: 59 Resp: 683

Ion Ratio Lower Upper

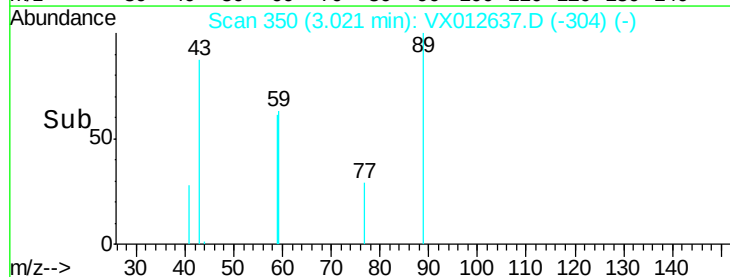
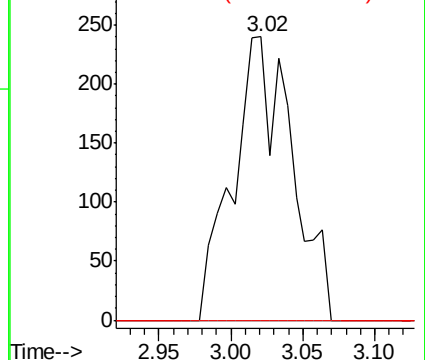
59 100

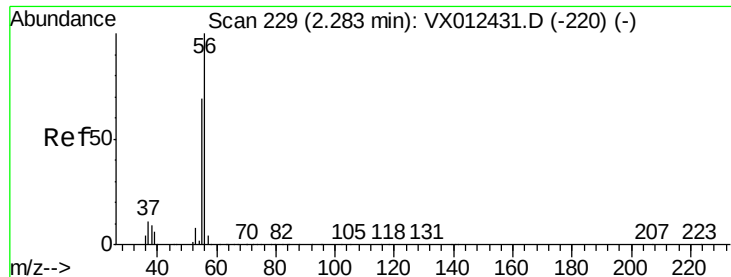
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.435 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

Instrument :

MSVOA_X

ClientSampled :

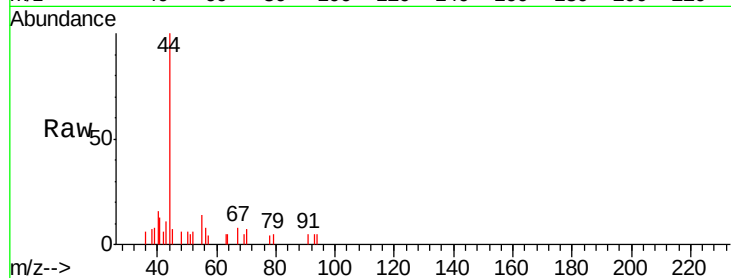
S49-0518

Tgt Ion: 56 Resp: 69

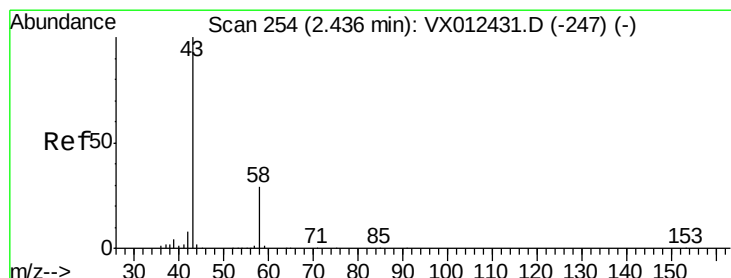
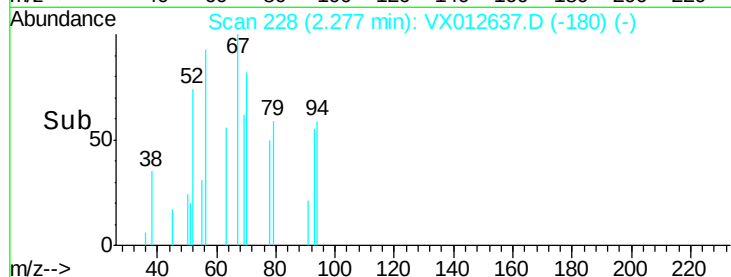
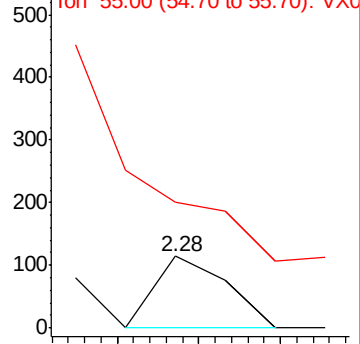
Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#16

Acetone

Concen: 3.116 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012637.D

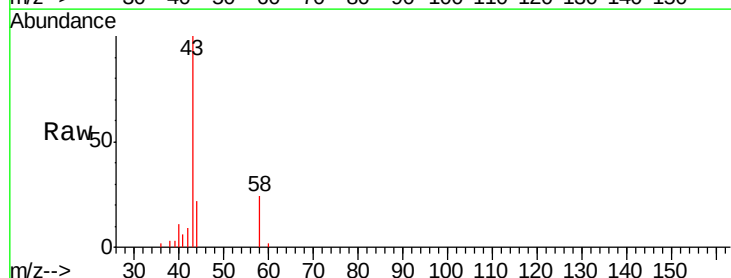
Acq: 24 Sep 2019 16:54

Tgt Ion: 43 Resp: 3888

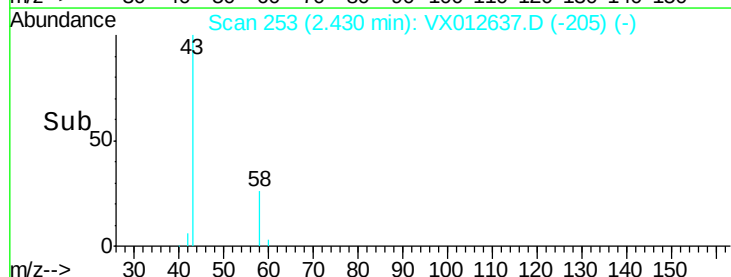
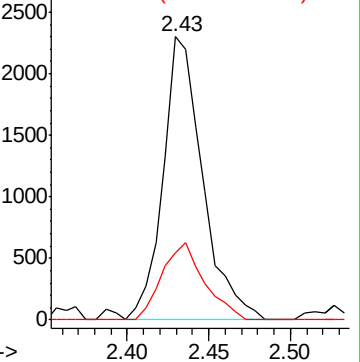
Ion Ratio Lower Upper

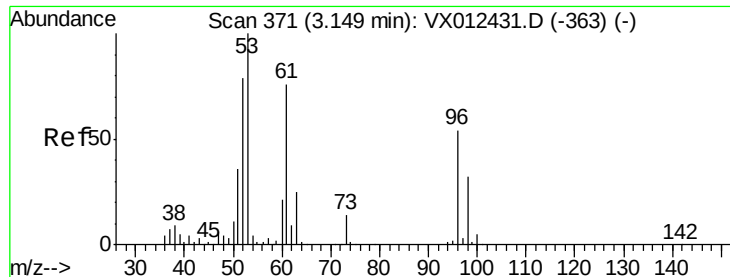
43 100

58 23.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.985 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

S49-0518

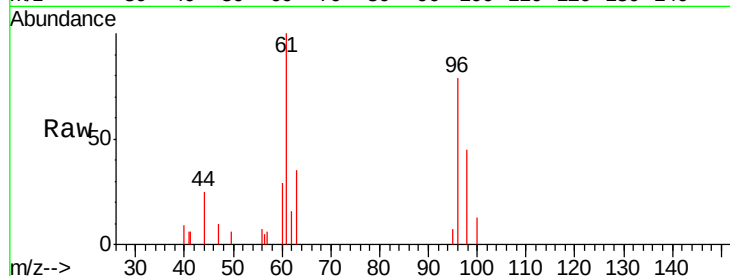
Tgt Ion: 96 Resp: 1898

Ion Ratio Lower Upper

96 100

61 127.1 112.0 168.0

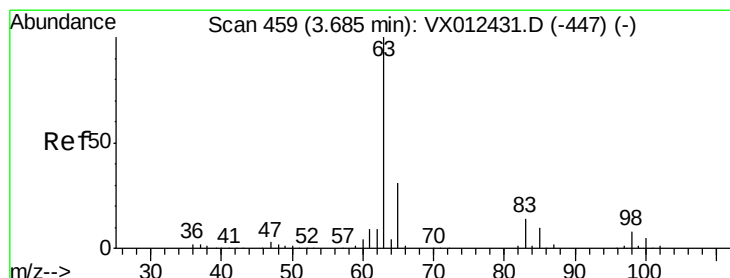
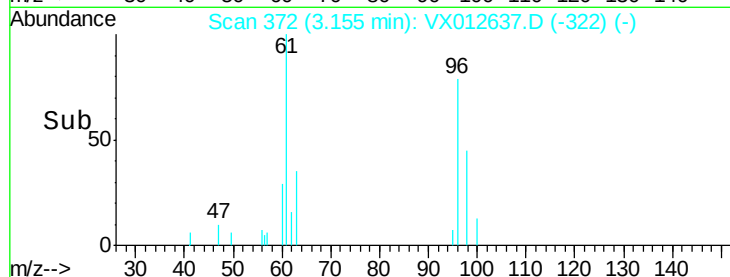
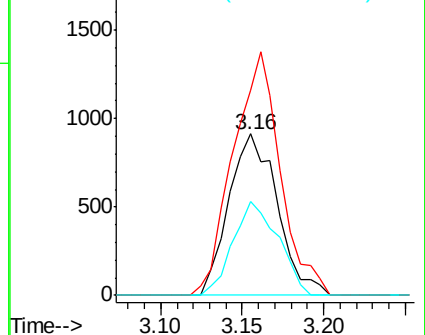
98 57.7 47.8 71.8



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



#24

1,1-Dichloroethane

Concen: 1.650 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

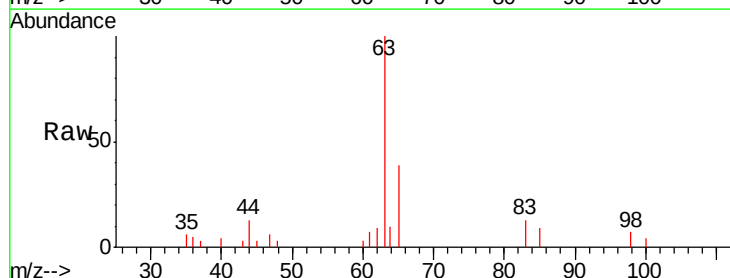
Tgt Ion: 63 Resp: 5979

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.7

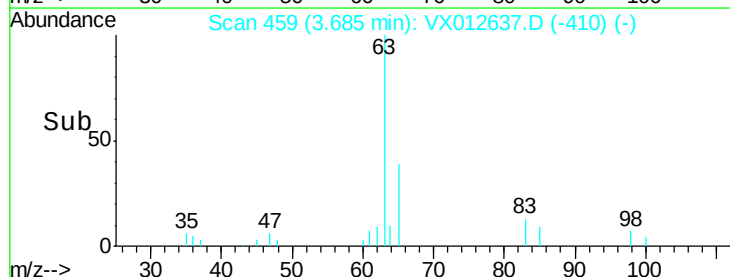
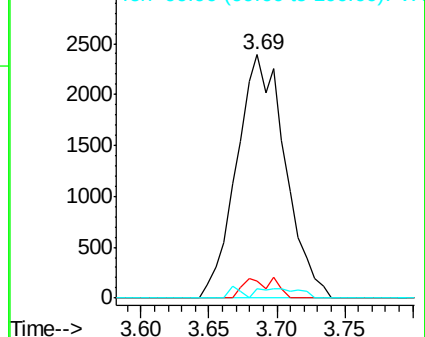
100 3.7 2.3 6.9

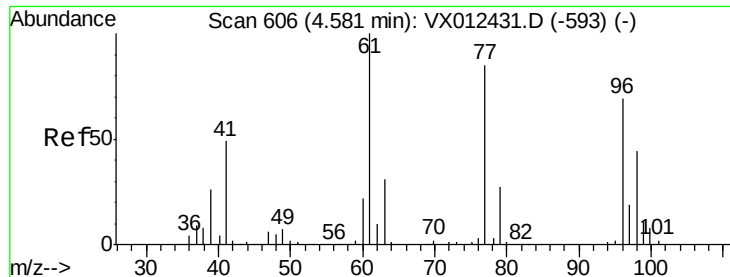


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



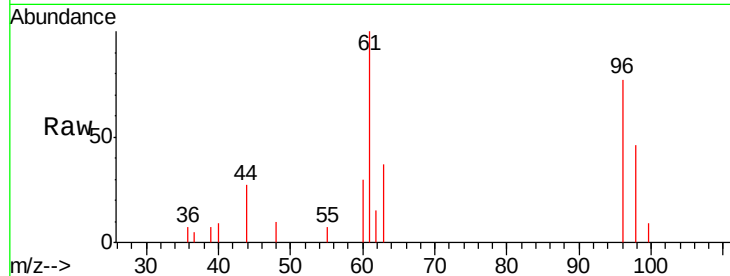


#27

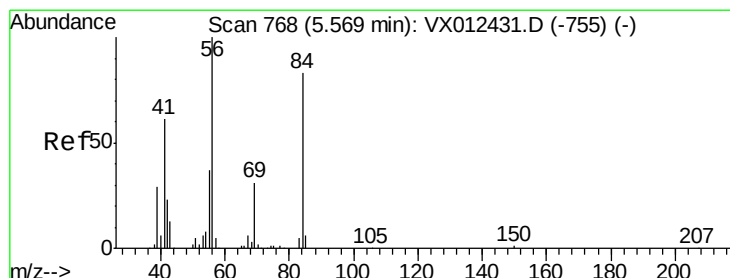
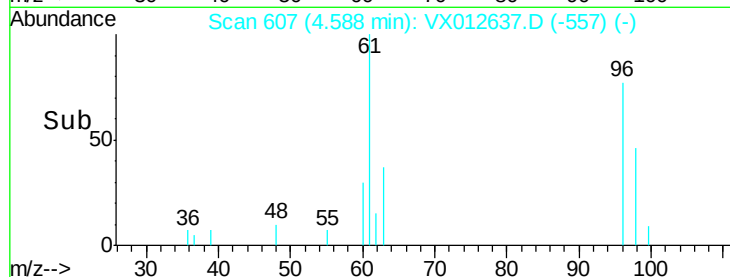
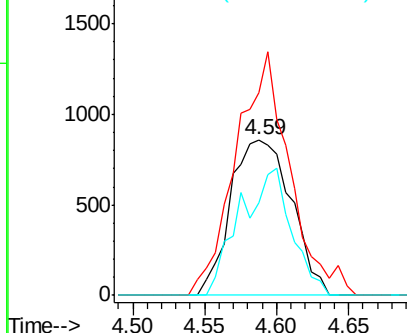
cis-1,2-Dichloroethene
Concen: 1.131 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012637.D
Acq: 24 Sep 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
S49-0518

Tgt Ion: 96 Resp: 2528
Ion Ratio Lower Upper
96 100
61 138.3 0.0 319.4
98 69.1 0.0 130.6



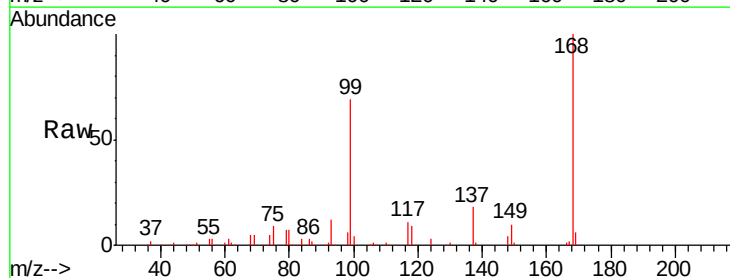
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



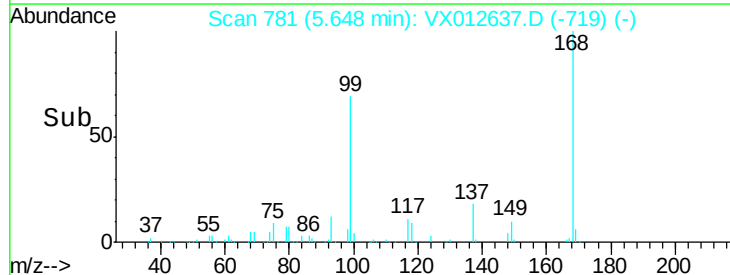
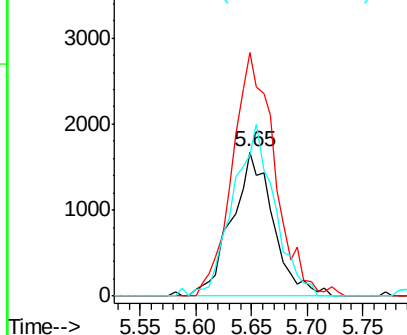
#31

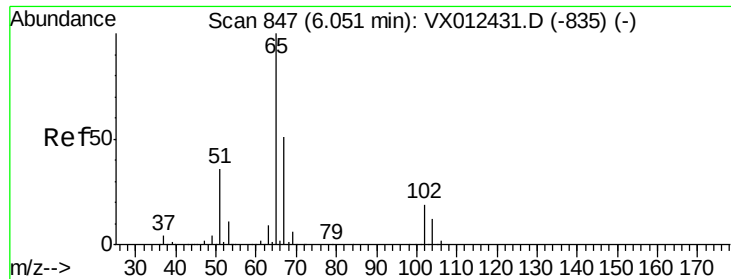
Cyclohexane
Concen: 1.319 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012637.D
Acq: 24 Sep 2019 16:54

Tgt Ion: 56 Resp: 4326
Ion Ratio Lower Upper
56 100
69 169.1 25.0 37.6#
84 98.4 66.4 99.6



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

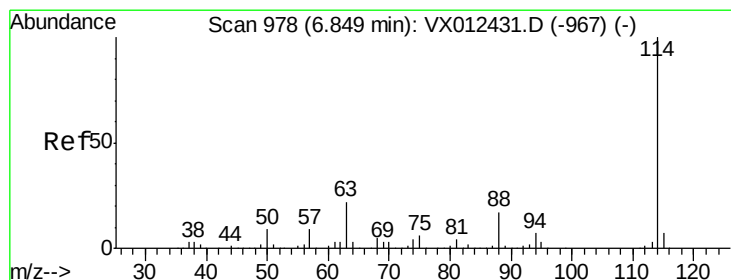
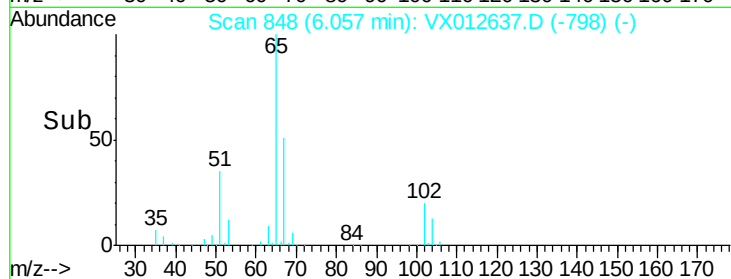
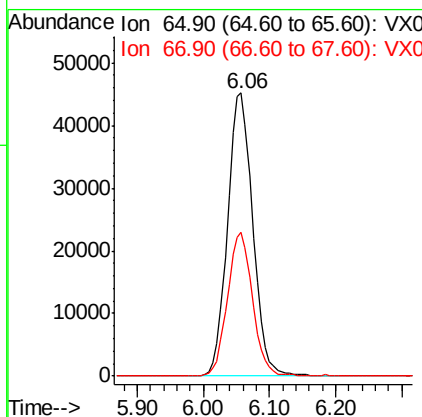
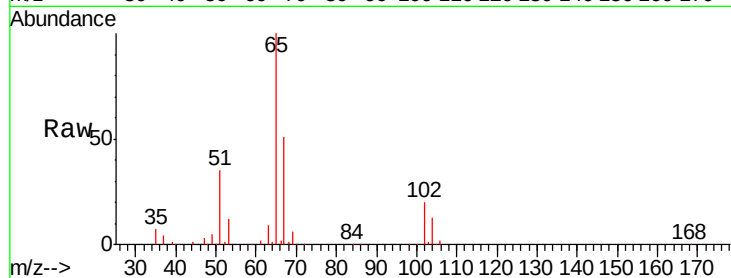




#33
 1,2-Dichloroethane-d4
 Concen: 50.702 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012637.D
 Acq: 24 Sep 2019 16:54

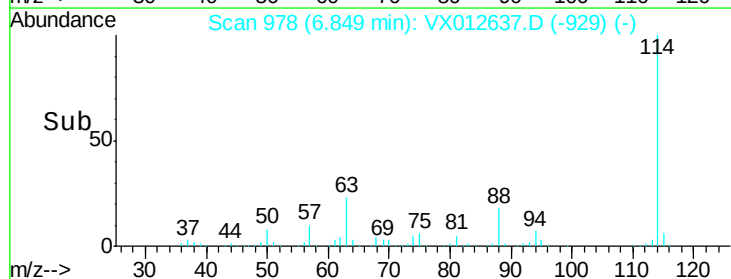
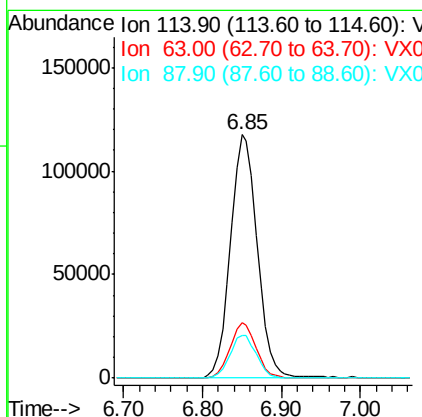
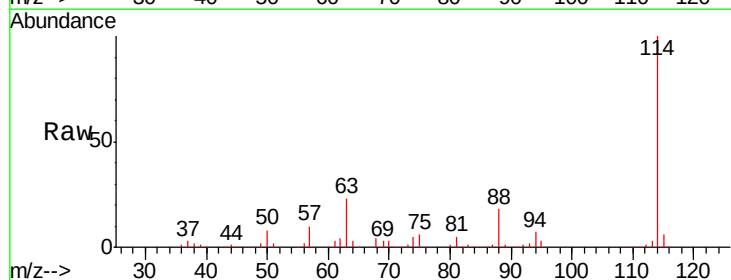
Instrument :
 MSVOA_X
 ClientSampled :
 S49-0518

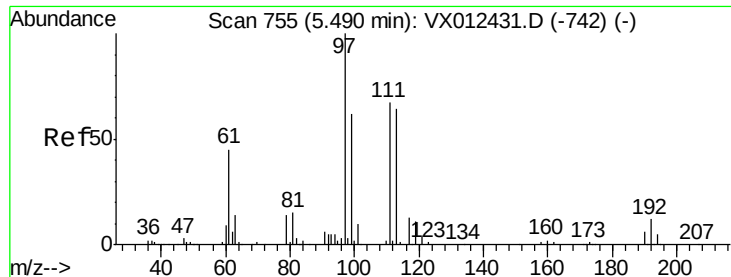
Tgt Ion: 65 Resp: 119425
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012637.D
 Acq: 24 Sep 2019 16:54

Tgt Ion: 114 Resp: 278448
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.2
 88 17.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.692 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

S49-0518

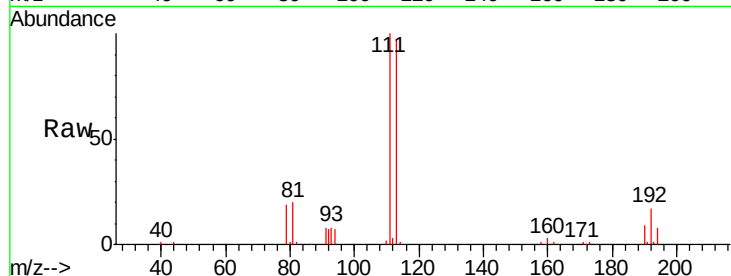
Tgt Ion:113 Resp: 84062

Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.2

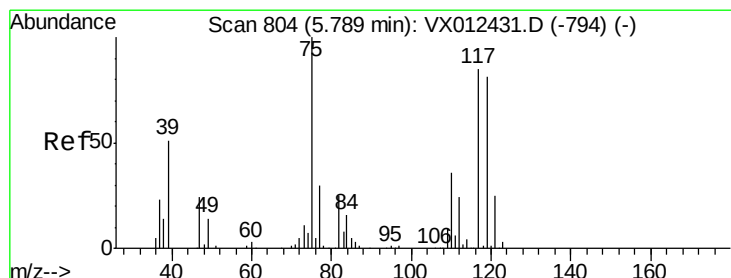
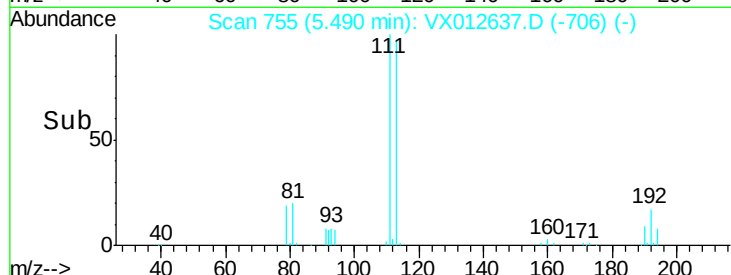
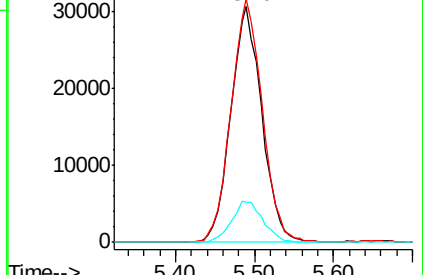
192 17.7 14.4 21.6



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: 5.341 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

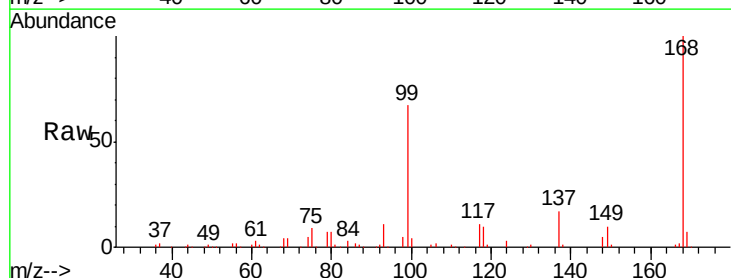
Tgt Ion: 75 Resp: 14336

Ion Ratio Lower Upper

75 100

110 11.4 16.7 50.0#

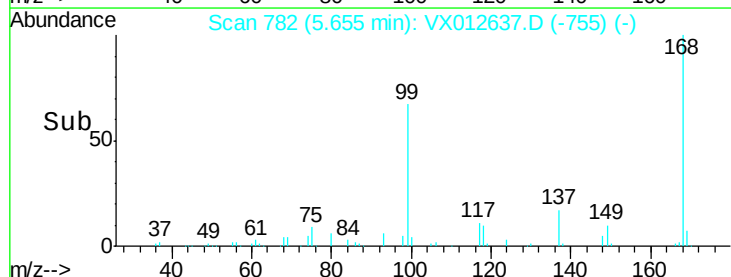
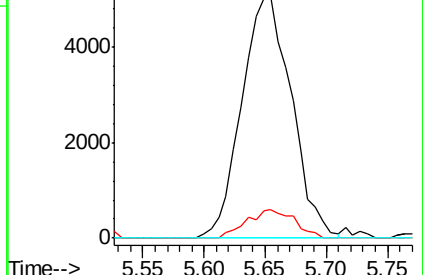
77 0.0 24.2 36.2#

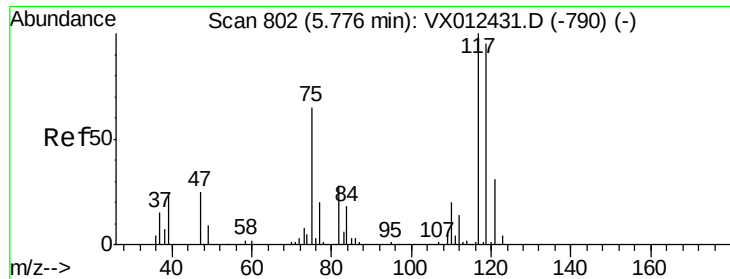


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

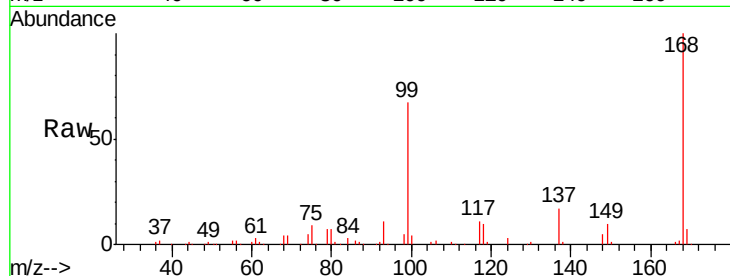




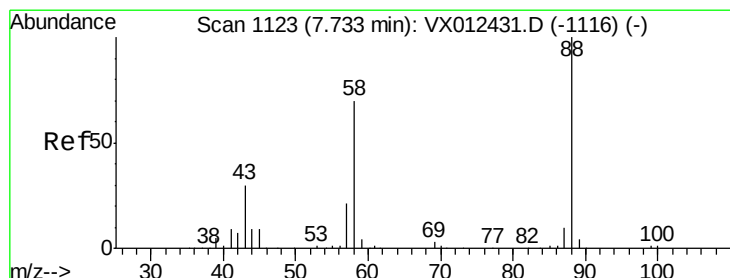
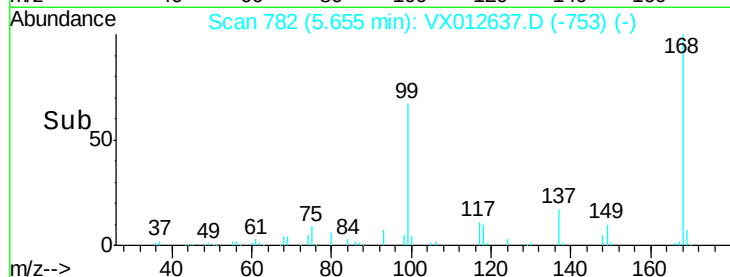
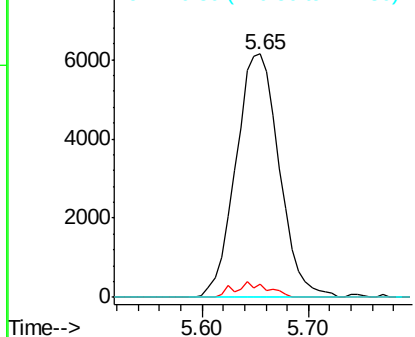
#38
Carbon Tetrachloride
Concen: 6.429 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012637.D
Acq: 24 Sep 2019 16:54

Instrument :
MSVOA_X
ClientSampled :
S49-0518

Tgt Ion: 117 Resp: 17529
Ion Ratio Lower Upper
117 100
119 5.5 75.7 113.5#
121 0.0 24.2 36.4#

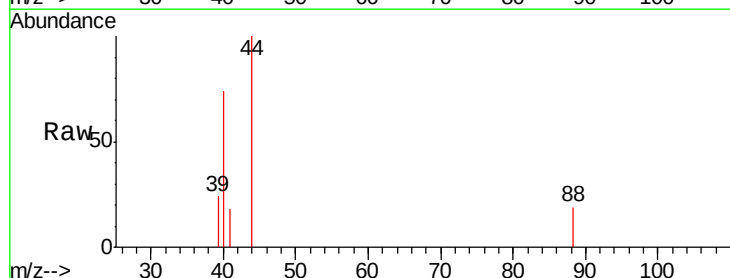


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

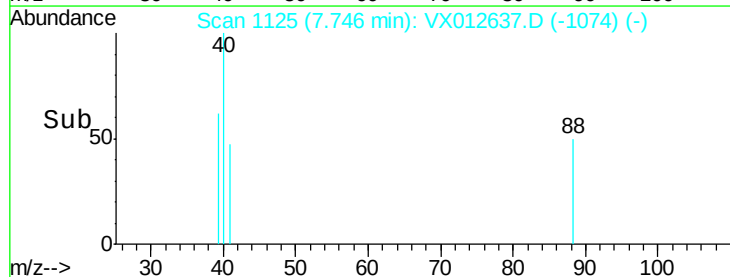
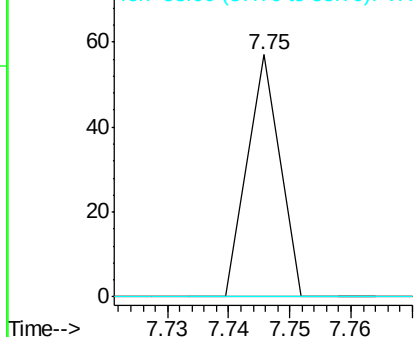


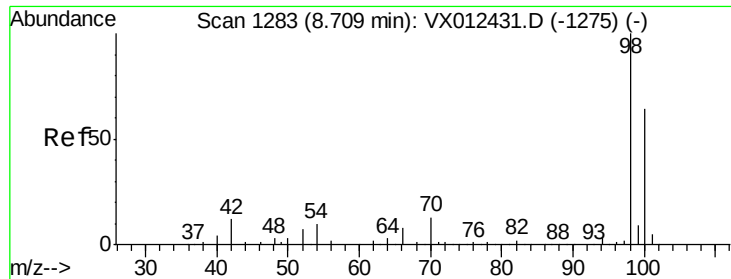
#49
1,4-Dioxane
Concen: 0.368 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX012637.D
Acq: 24 Sep 2019 16:54

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 29.4 44.0#
58 0.0 57.5 86.3#



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

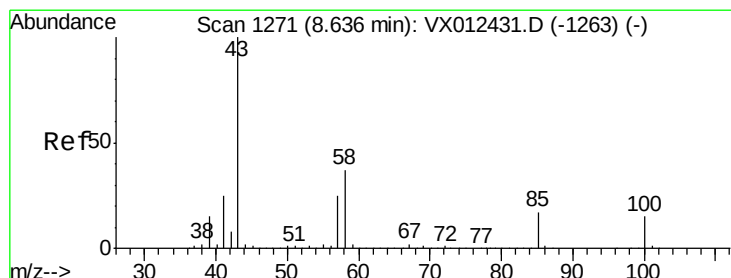
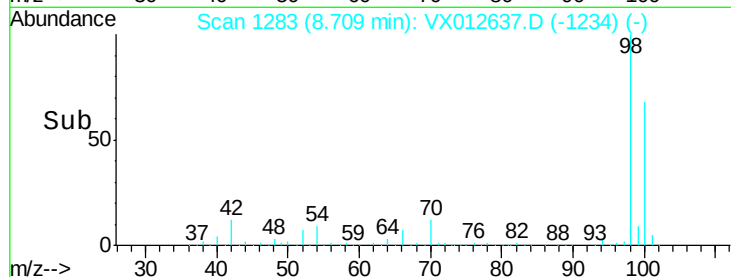
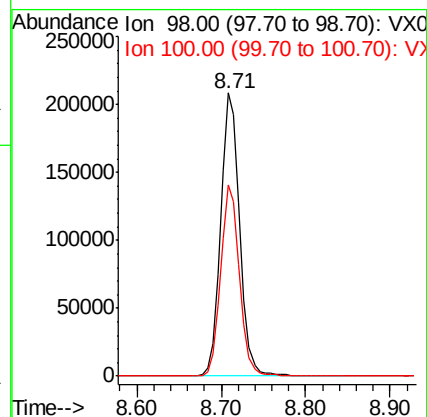
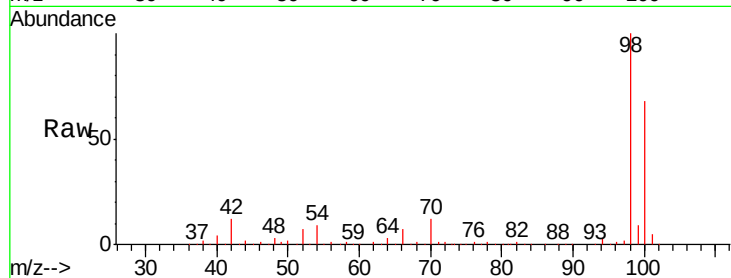




#50
Toluene-d8
Concen: 50.820 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012637.D
Acq: 24 Sep 2019 16:54

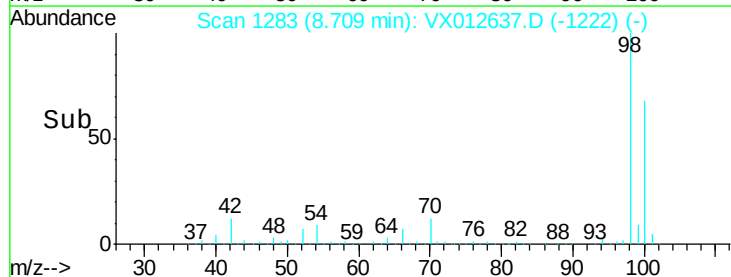
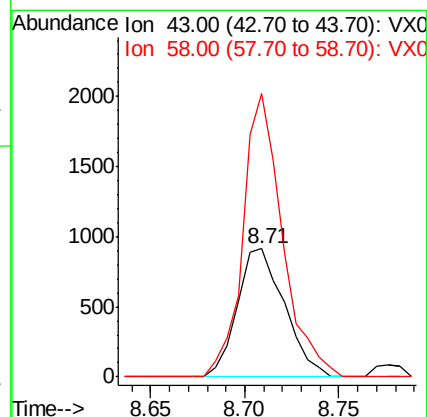
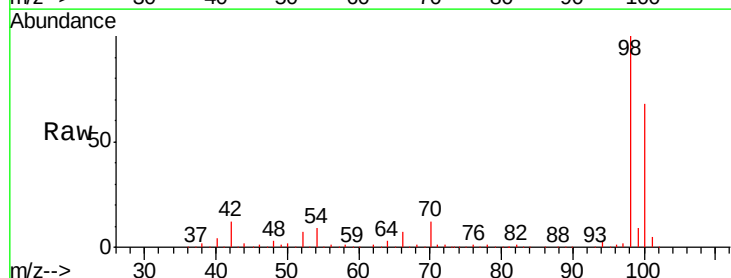
Instrument :
MSVOA_X
ClientSampleId :
S49-0518

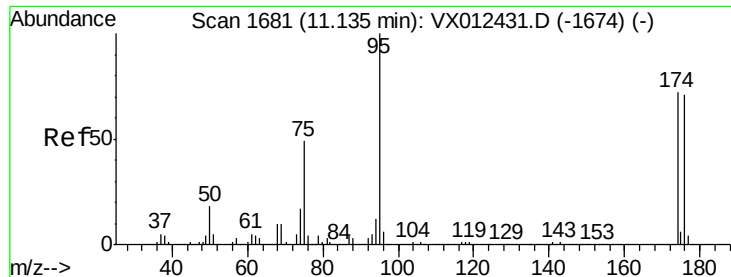
Tgt Ion: 98 Resp: 324543
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.490 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012637.D
Acq: 24 Sep 2019 16:54

Tgt Ion: 43 Resp: 1586
Ion Ratio Lower Upper
43 100
58 184.9 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 41.701 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

Instrument :

MSVOA_X

ClientSampled :

S49-0518

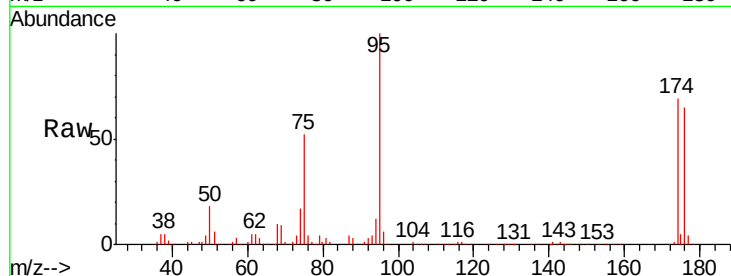
Tgt Ion: 95 Resp: 104714

Ion Ratio Lower Upper

95 100

174 66.0 0.0 140.0

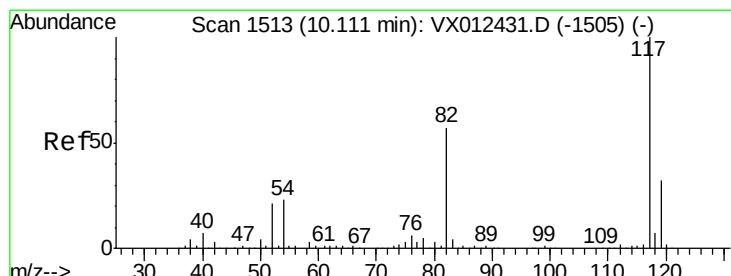
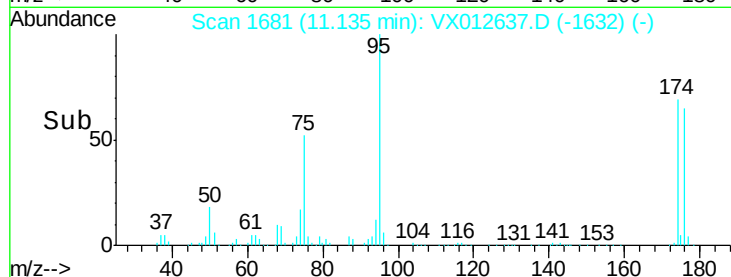
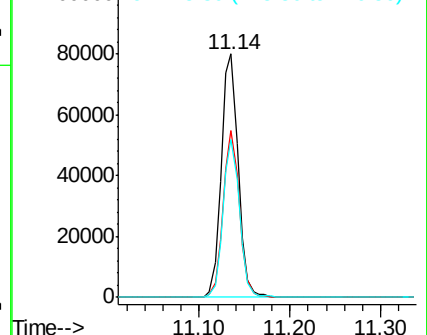
176 63.0 0.0 135.4



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# 1513

Delta R.T. 0.00 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

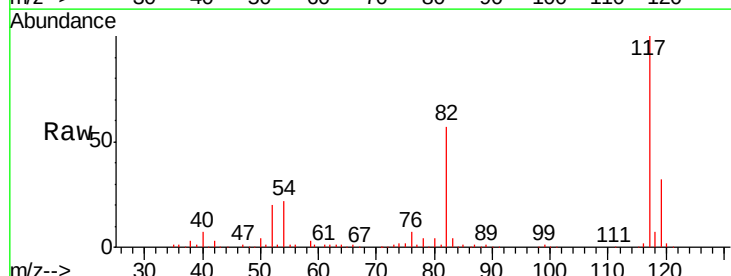
Tgt Ion: 117 Resp: 228443

Ion Ratio Lower Upper

117 100

82 56.6 45.9 68.9

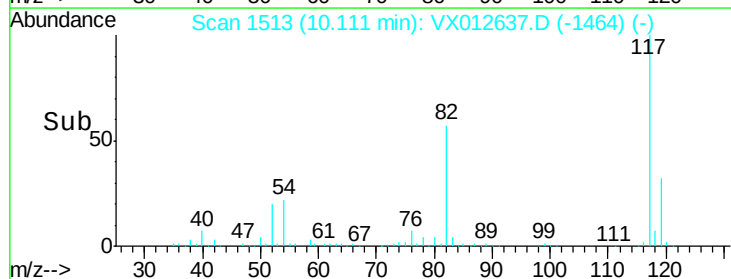
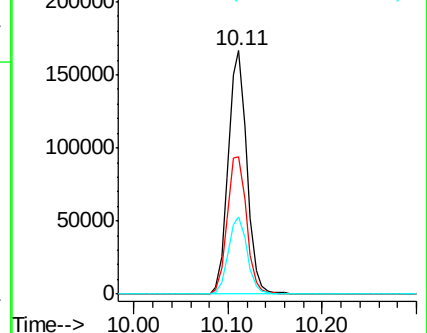
119 31.8 25.3 37.9

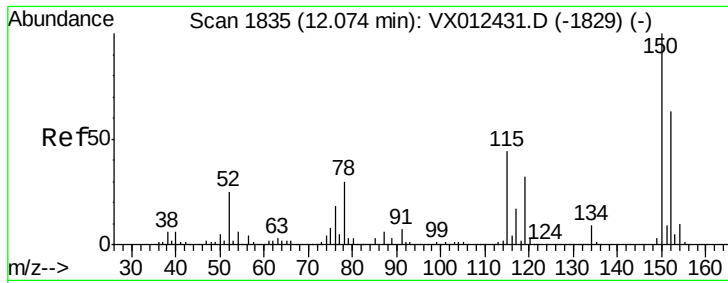


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

S49-0518

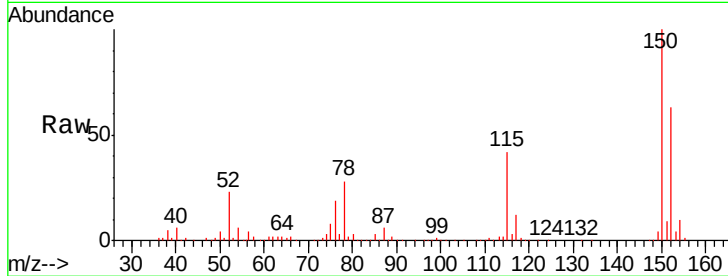
Tgt Ion:152 Resp: 77519

Ion Ratio Lower Upper

152 100

115 68.3 44.1 132.3

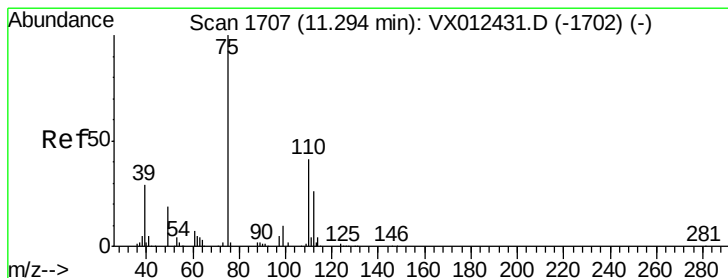
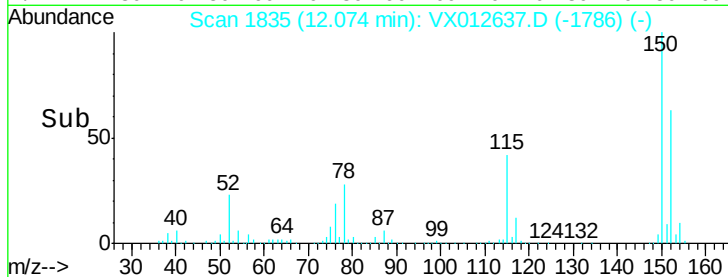
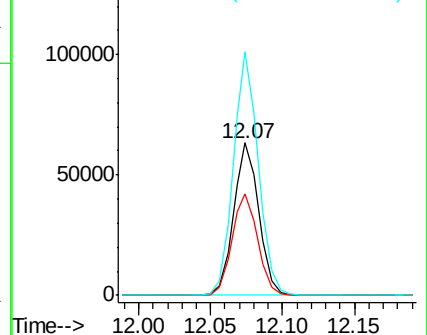
150 158.6 0.0 343.8



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: 26.544 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012637.D

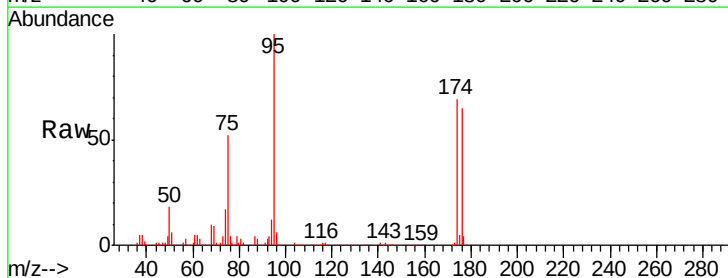
Acq: 24 Sep 2019 16:54

Tgt Ion: 75 Resp: 54431

Ion Ratio Lower Upper

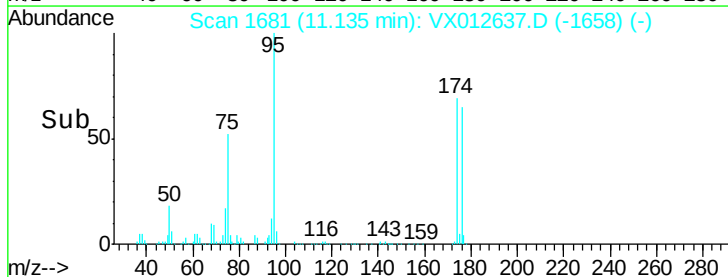
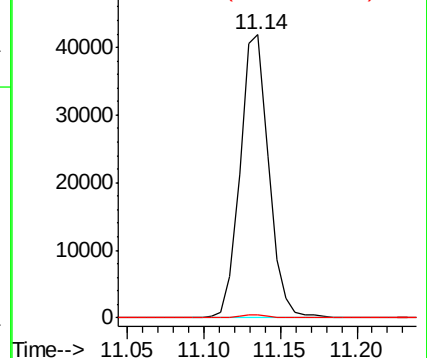
75 100

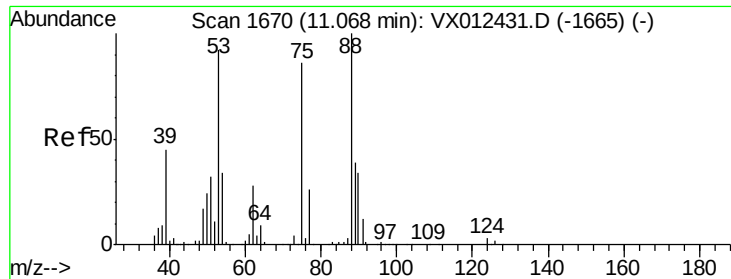
77 1.0 19.7 59.0#



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: 76.070 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012637.D

Acq: 24 Sep 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

S49-0518

Tgt Ion: 75 Resp: 54431

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

