

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012768.D
 Acq On : 02 Oct 2019 18:46
 Operator : JC/SP
 Sample : K5157-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539

Quant Time: Oct 03 01:34:05 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	172576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	299167	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97864	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	119571	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	5.50	113	89972	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	8.71	98	348290	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.14	95	117147	43.42	ug/l	0.00
Spiked Amount			Recovery	=	86.84%	

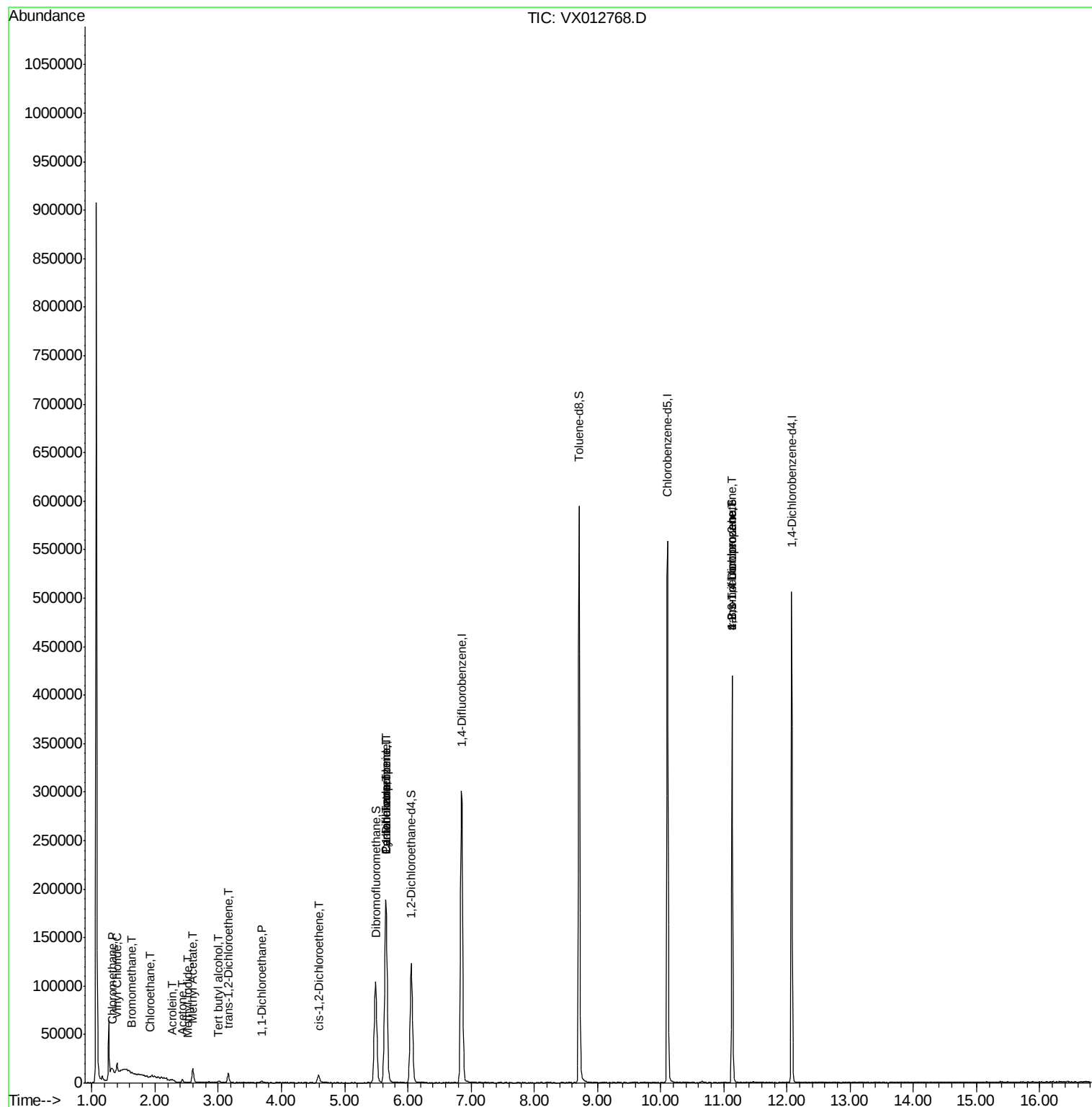
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	698	0.313	ug/l #	84
4) Vinyl Chloride	1.40	62	5338	2.409	ug/l #	78
5) Bromomethane	1.64	94	502	0.576	ug/l #	45
6) Chloroethane	1.92	64	670	0.449	ug/l #	79
10) Methyl Iodide	2.52	142	22	4.963	ug/l #	35
11) Tert butyl alcohol	3.01	59	678	1.080	ug/l #	72
13) Acrolein	2.28	56	139	10.614	ug/l #	15
16) Acetone	2.43	43	3423	2.572	ug/l	92
18) Methyl Acetate	2.59	43	4415	1.409	ug/l #	54
21) trans-1,2-Dichloroethene	3.16	96	4151	2.019	ug/l	86
24) 1,1-Dichloroethane	3.69	63	1921	0.497	ug/l #	94
27) cis-1,2-Dichloroethene	4.59	96	4563	1.913	ug/l	85
31) Cyclohexane	5.65	56	4019	1.149	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14081	4.883	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18461	6.302	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	58757	22.697	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	58757	65.045	ug/l #	8

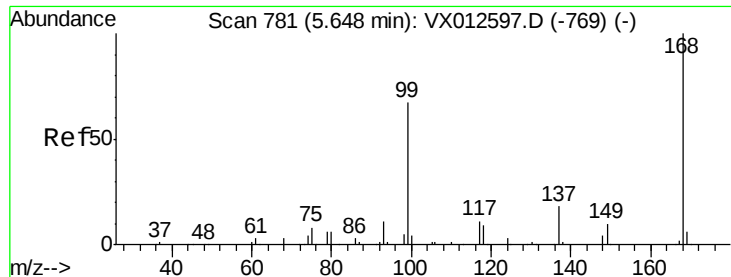
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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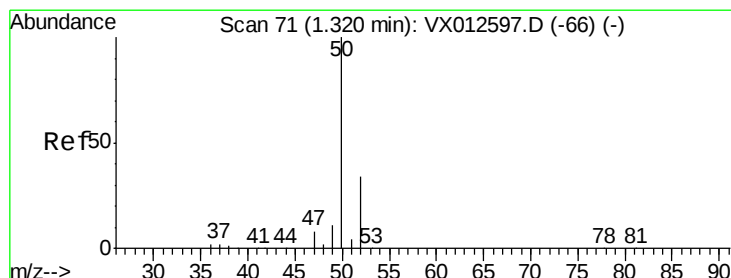
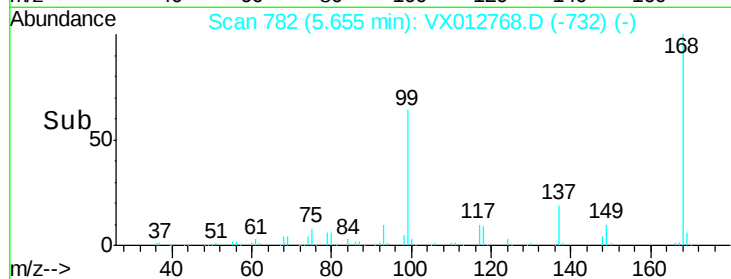
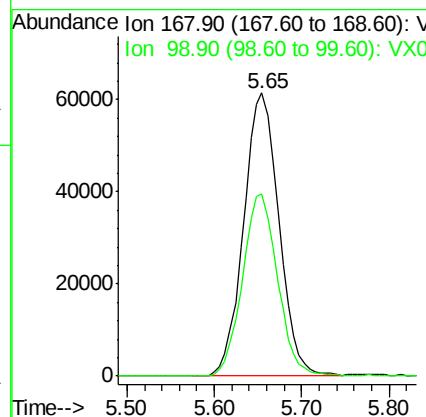
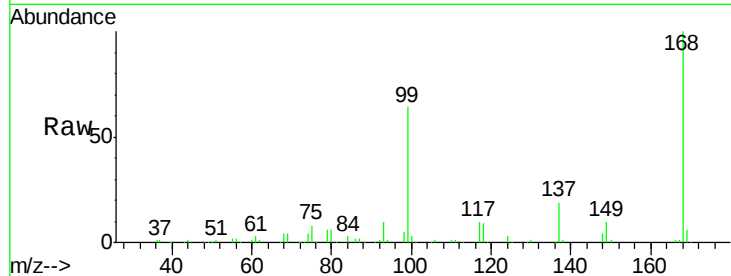




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX012768.D
Acq: 02 Oct 2019 18:46

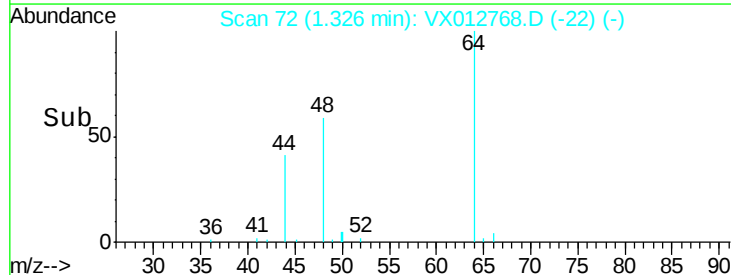
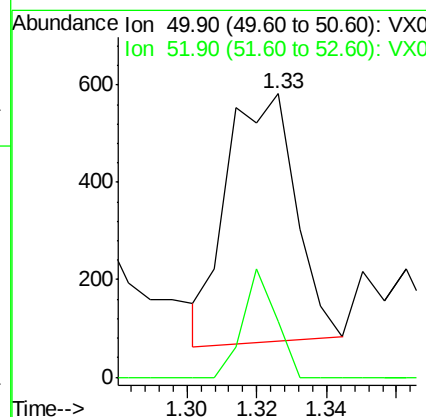
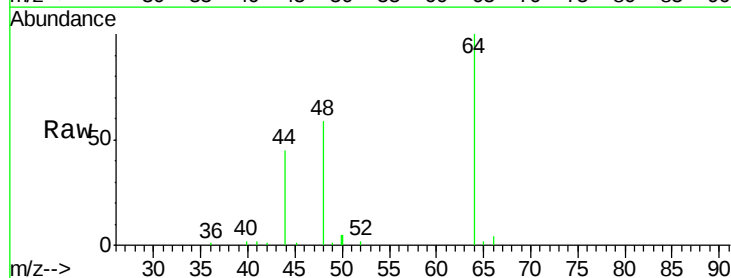
Instrument :
MSVOA_X
ClientSampleId :
S49-0539

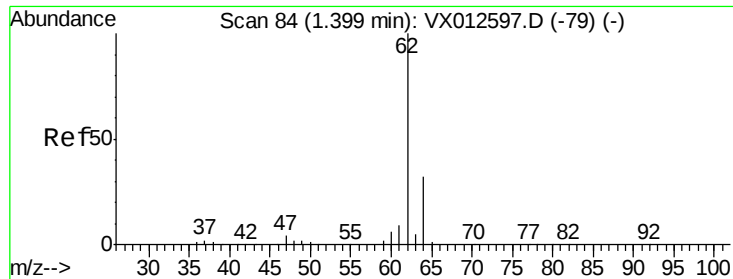
Tot Ion:168 Resp: 172576
Ion Ratio Lower Upper
168 100
99 64.4 51.4 77.2



#3
Chloromethane
Concen: 0.313 ug/l
RT: 1.33 min Scan# 72
Delta R.T. 0.01 min
Lab File: VX012768.D
Acq: 02 Oct 2019 18:46

Tgt Ion: 50 Resp: 698
Ion Ratio Lower Upper
50 100
52 23.0 25.7 38.5#





#4

Vinyl Chloride

Concen: 2.409 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012768.D

Acq: 02 Oct 2019 18:46

Instrument :

MSVOA_X

ClientSampled :

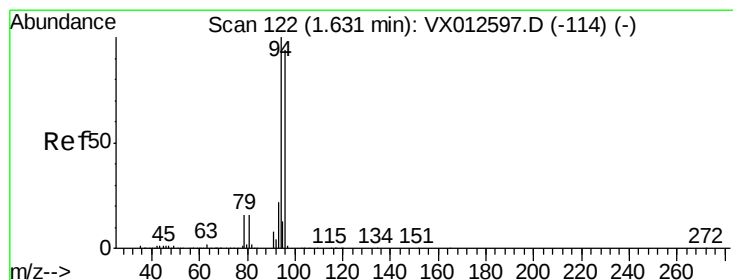
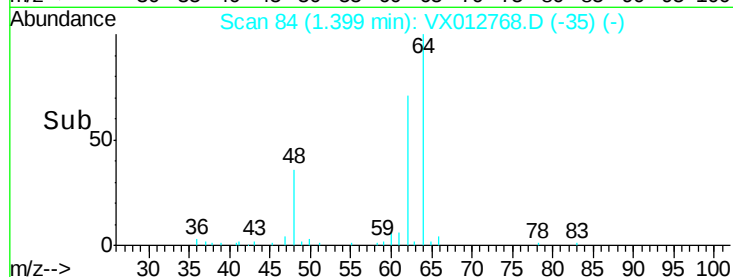
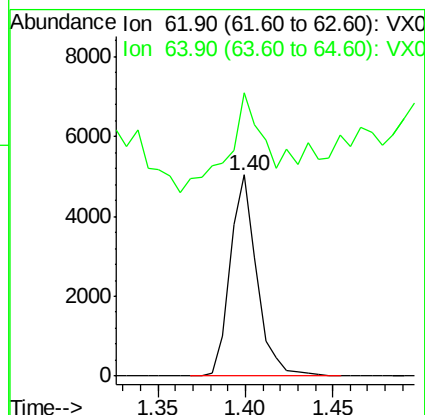
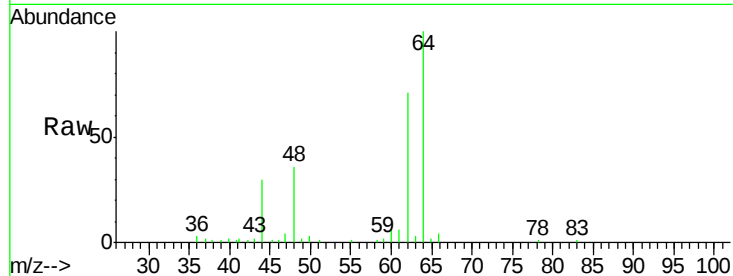
S49-0539

Tot Ion: 62 Resp: 5338

Ion Ratio Lower Upper

62 100

64 42.3 24.2 36.2#



#5

Bromomethane

Concen: 0.576 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012768.D

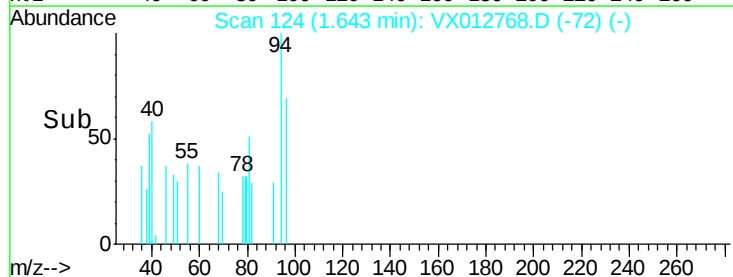
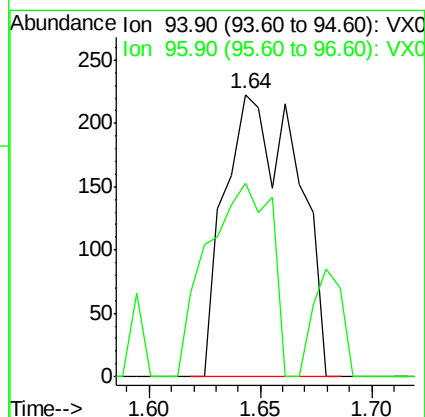
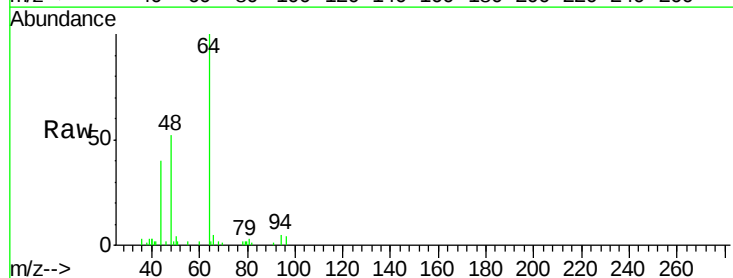
Acq: 02 Oct 2019 18:46

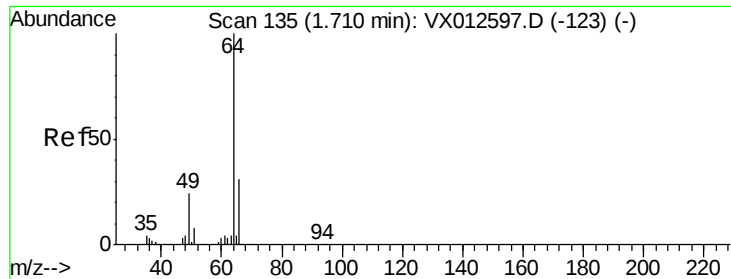
Tgt Ion: 94 Resp: 502

Ion Ratio Lower Upper

94 100

96 39.0 72.8 109.2#





#6

Chloroethane

Concen: 0.449 ug/l

RT: 1.92 min Scan# 169

Delta R.T. 0.21 min

Lab File: VX012768.D

Acq: 02 Oct 2019 18:46

Instrument :

MSVOA_X

ClientSampled :

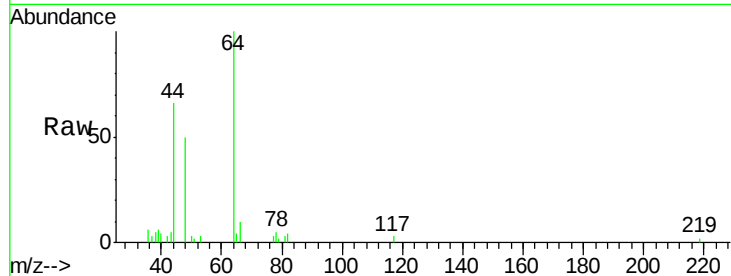
S49-0539

Tot Ion: 64 Resp: 670

Ion Ratio Lower Upper

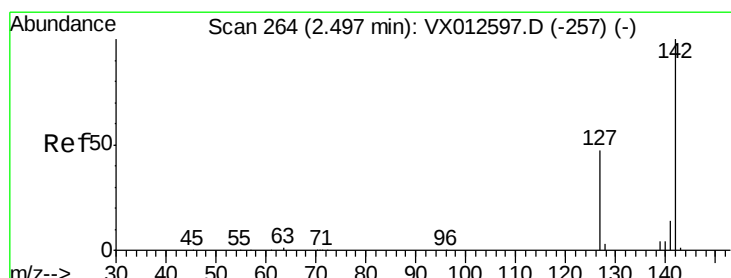
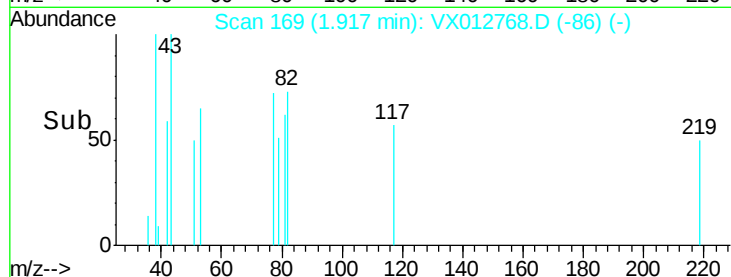
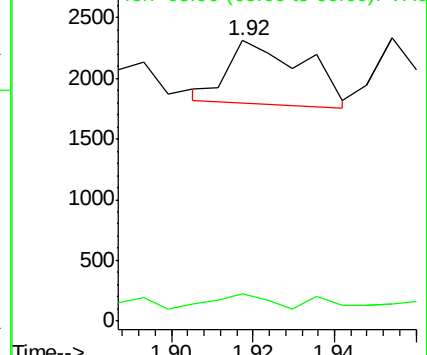
64 100

66 18.6 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.963 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX012768.D

Acq: 02 Oct 2019 18:46

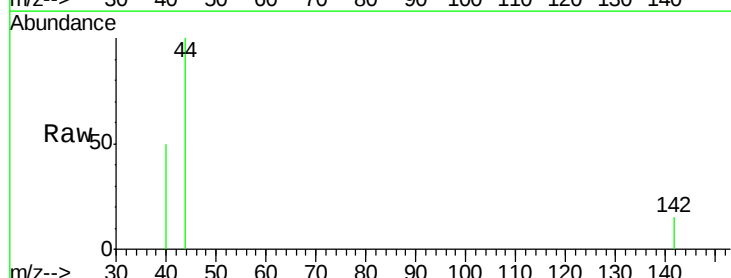
Tgt Ion: 142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

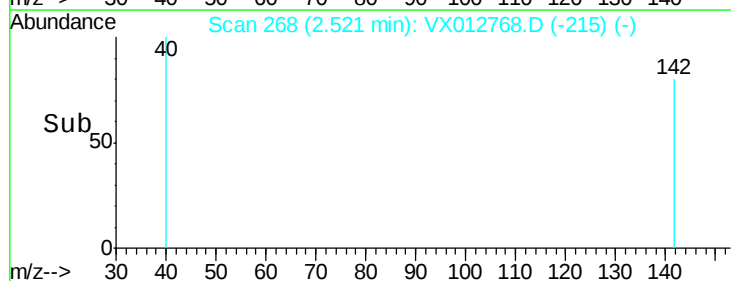
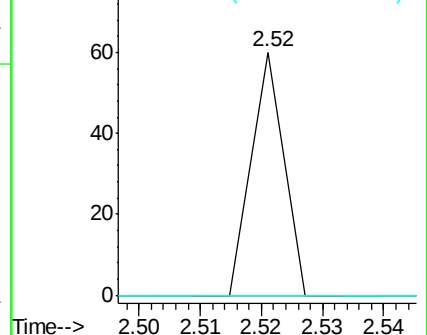
141 0.0 12.1 18.1#

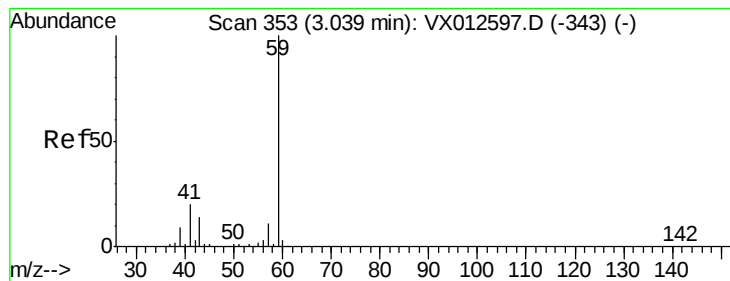


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



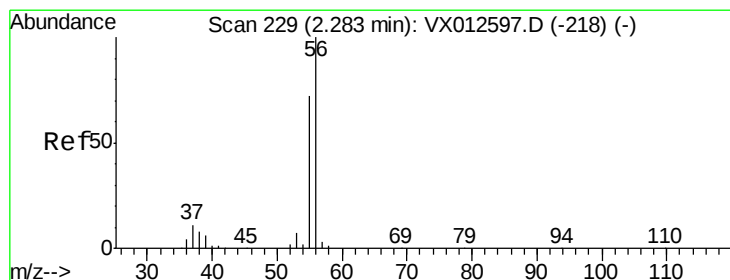
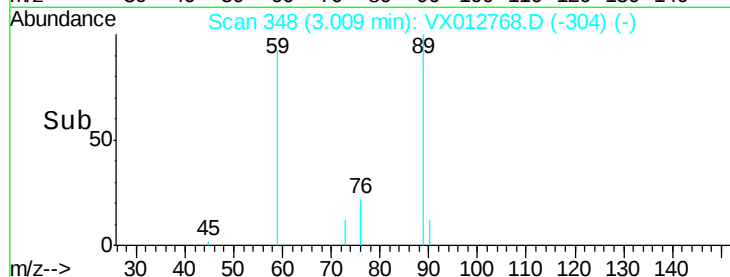
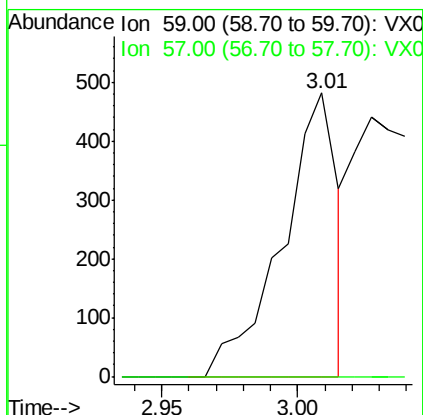
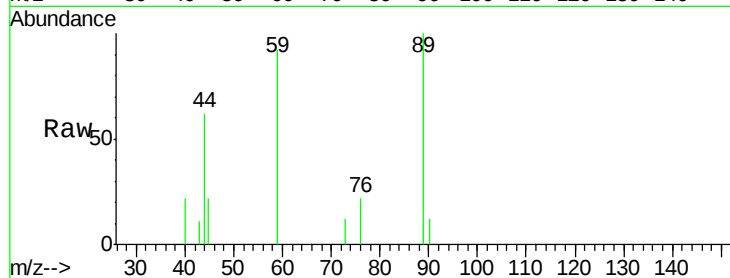


#11

Tert butyl alcohol
 Concen: 1.080 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012768.D
 Acq: 02 Oct 2019 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539

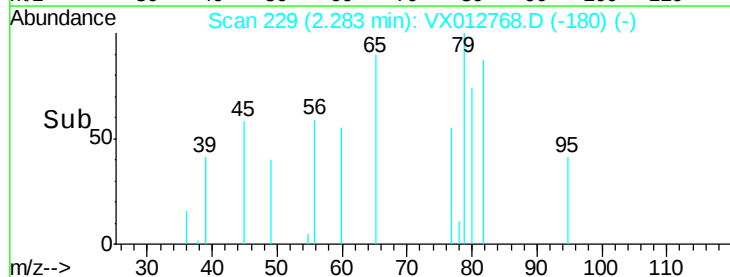
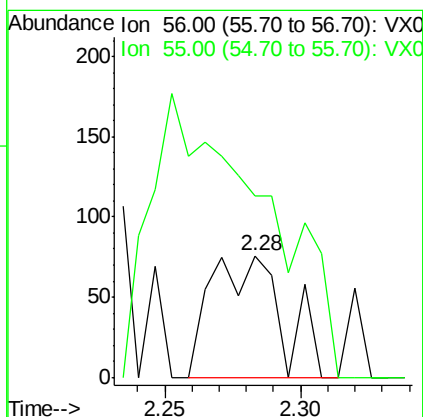
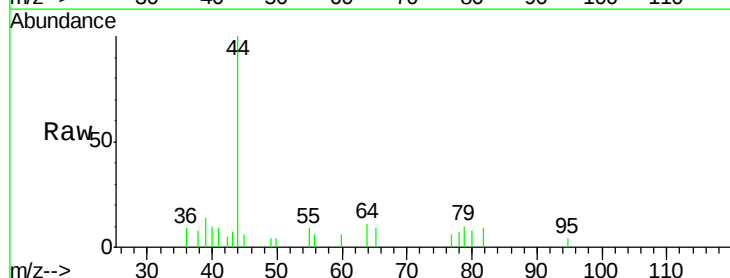
Tot Ion: 59 Resp: 678
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

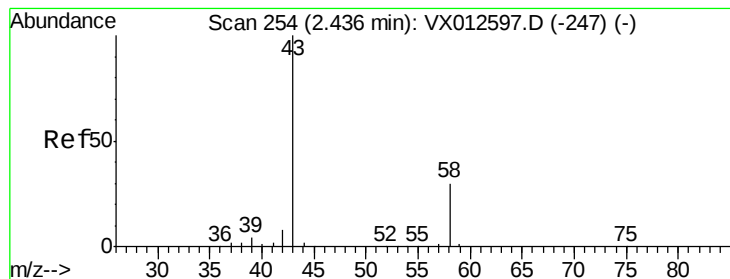


#13

Acrolein
 Concen: 10.614 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012768.D
 Acq: 02 Oct 2019 18:46

Tgt Ion: 56 Resp: 139
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 2.572 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012768.D

Acq: 02 Oct 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

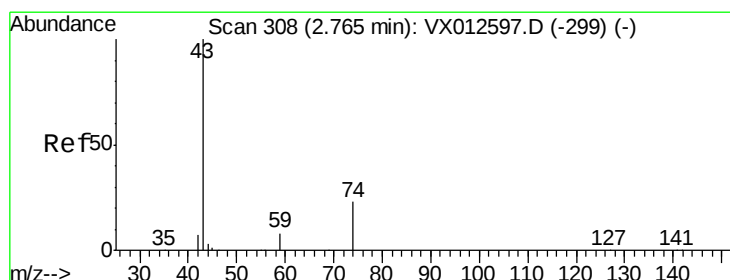
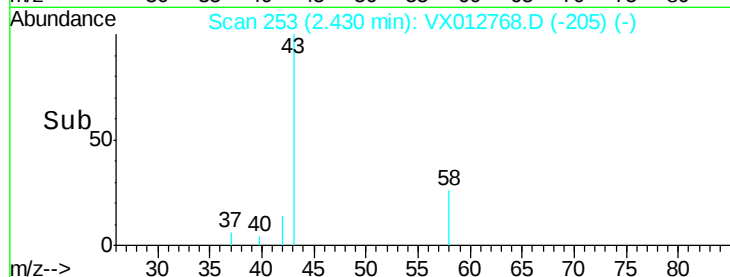
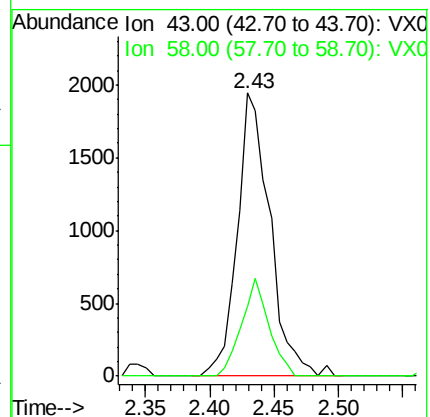
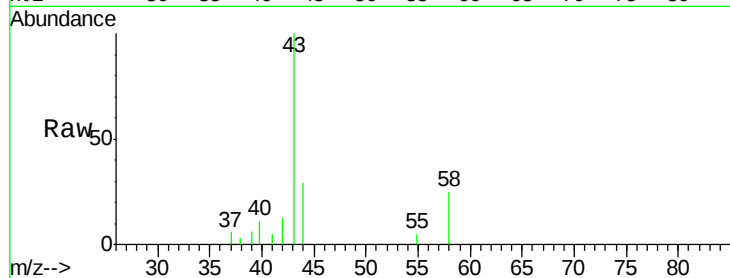
S49-0539

Tot Ion: 43 Resp: 3423

Ion Ratio Lower Upper

43 100

58 24.7 23.3 34.9



#18

Methyl Acetate

Concen: 1.409 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012768.D

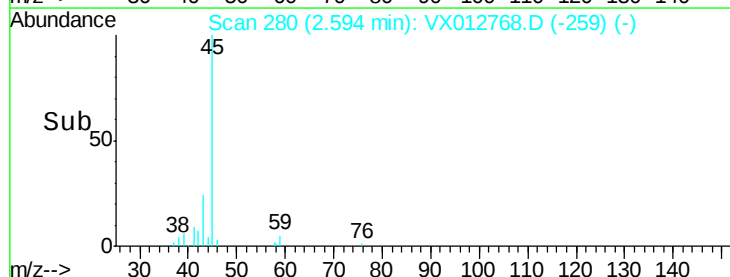
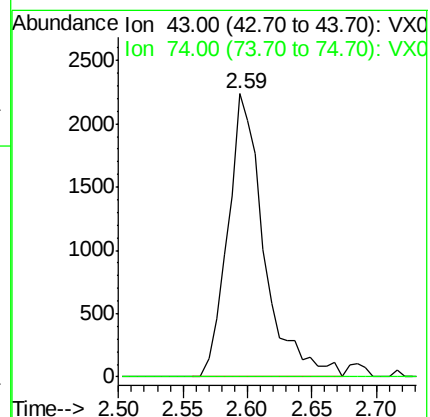
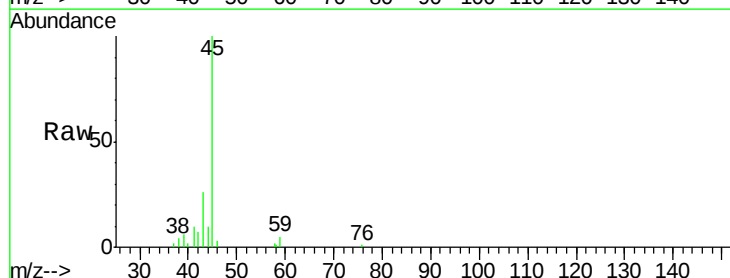
Acq: 02 Oct 2019 18:46

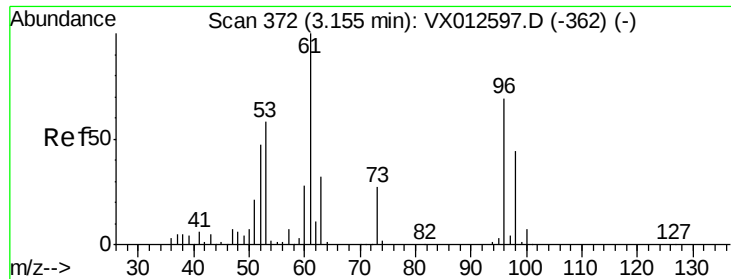
Tgt Ion: 43 Resp: 4415

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#21

trans-1,2-Dichloroethene

Concen: 2.019 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012768.D

Acq: 02 Oct 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

S49-0539

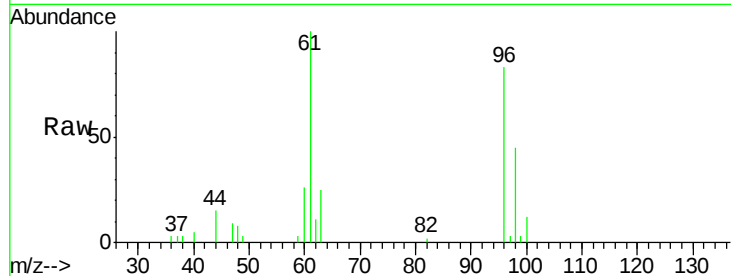
Tot Ion: 96 Resp: 4151

Ion Ratio Lower Upper

96 100

61 119.8 112.0 168.0

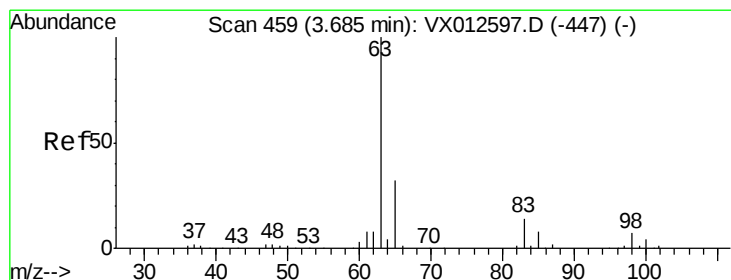
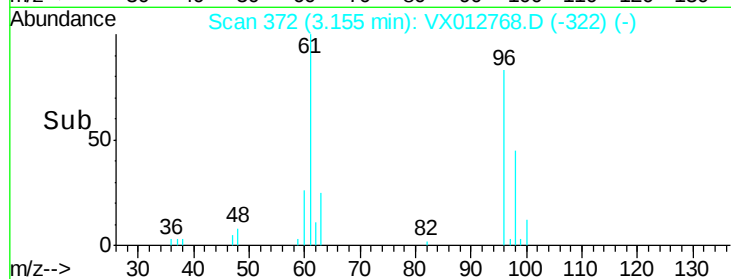
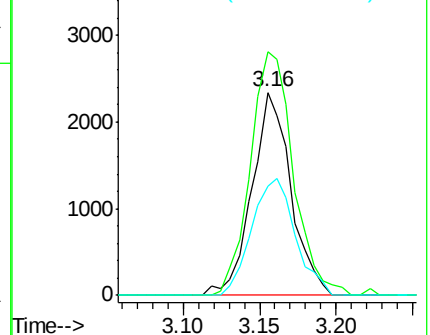
98 53.6 47.8 71.8



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: 0.497 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012768.D

Acq: 02 Oct 2019 18:46

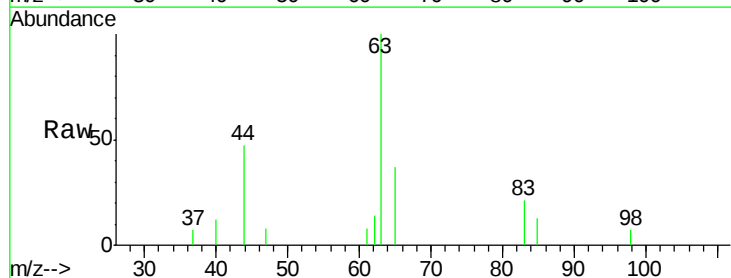
Tgt Ion: 63 Resp: 1921

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

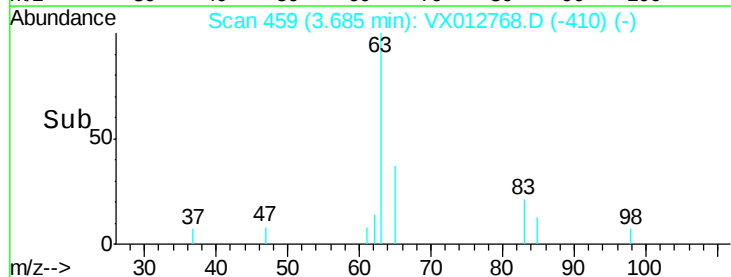
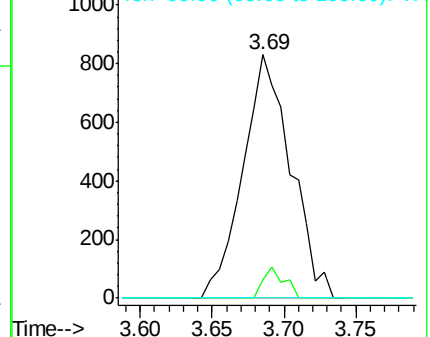
100 0.0 2.3 6.9#

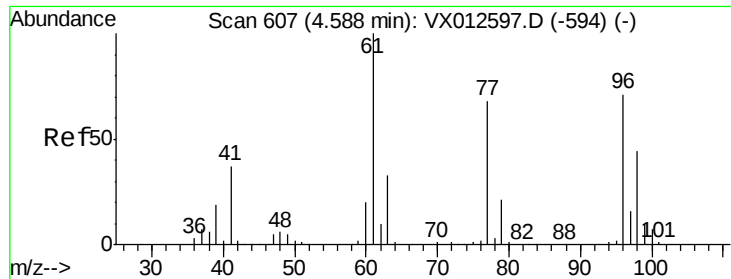


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



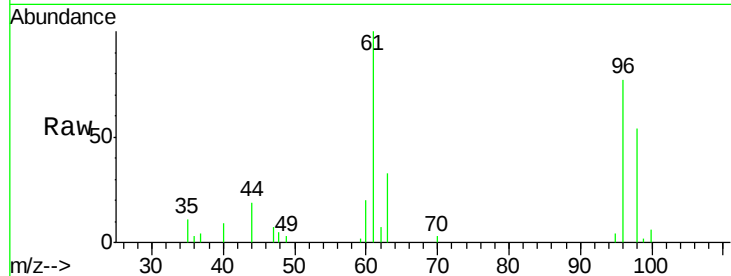


#27

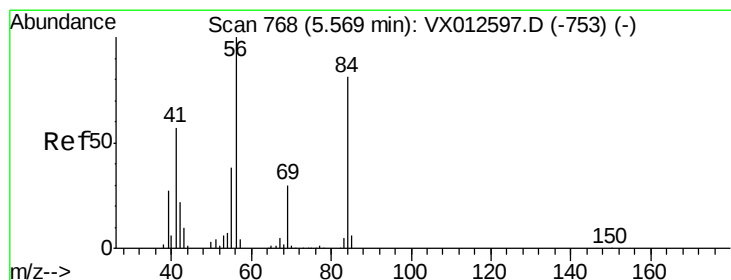
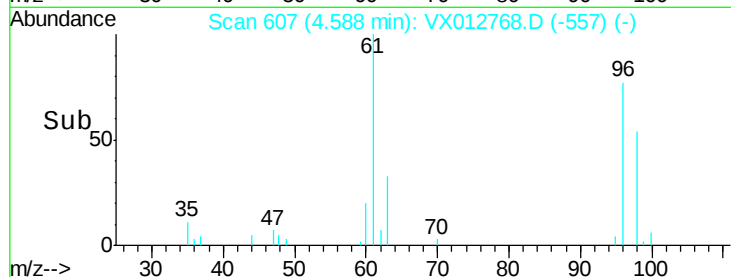
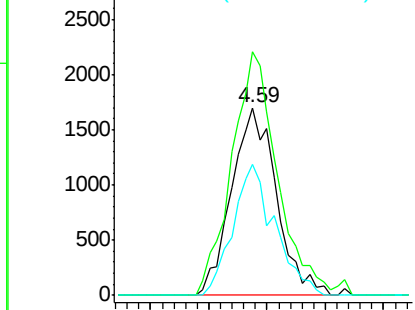
cis-1,2-Dichloroethene
 Concen: 1.913 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012768.D
 Acq: 02 Oct 2019 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539

Tot Ion: 96 Resp: 4563
 Ion Ratio Lower Upper
 96 100
 61 131.7 0.0 319.4
 98 65.0 0.0 130.6



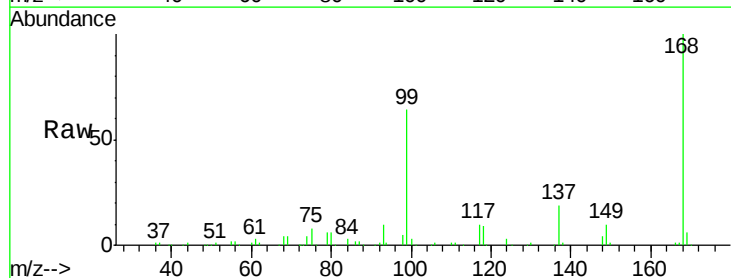
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



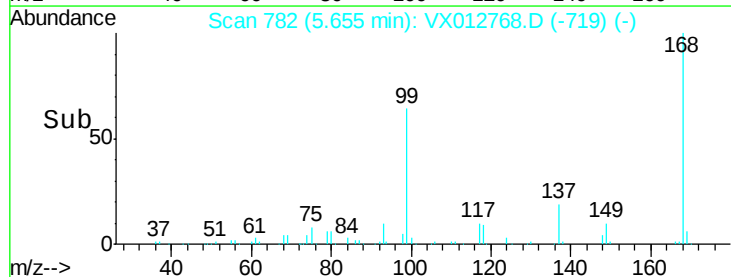
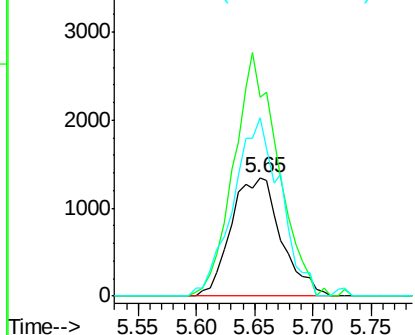
#31

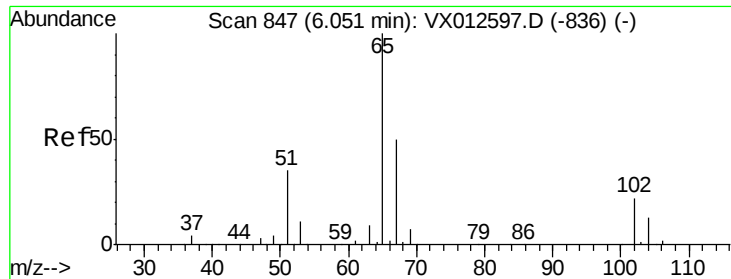
Cyclohexane
 Concen: 1.149 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012768.D
 Acq: 02 Oct 2019 18:46

Tgt Ion: 56 Resp: 4019
 Ion Ratio Lower Upper
 56 100
 69 167.6 25.0 37.6#
 84 150.4 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

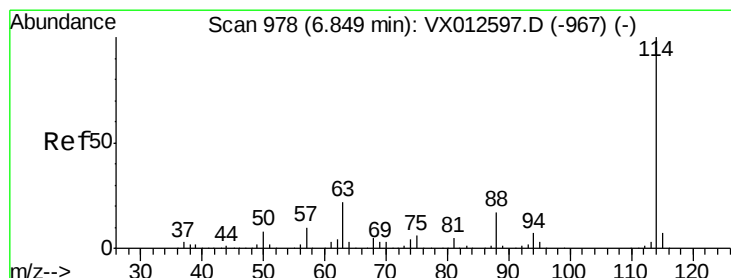
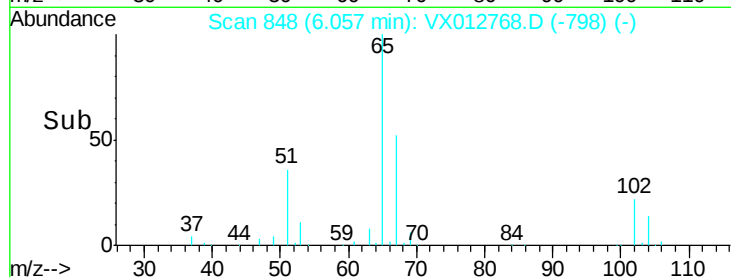
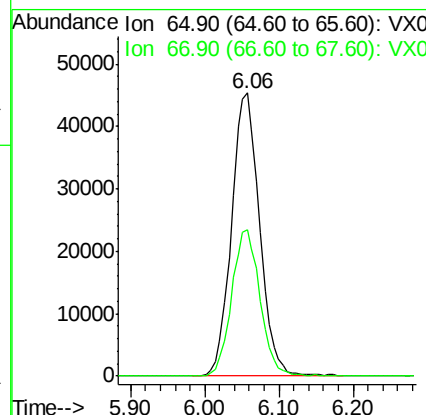
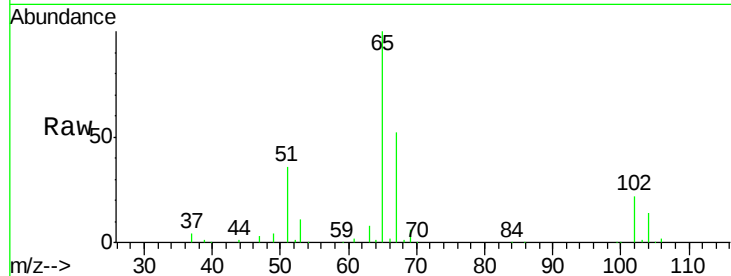




#33
 1,2-Dichloroethane-d4
 Concen: 47.580 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012768.D
 Acq: 02 Oct 2019 18:46

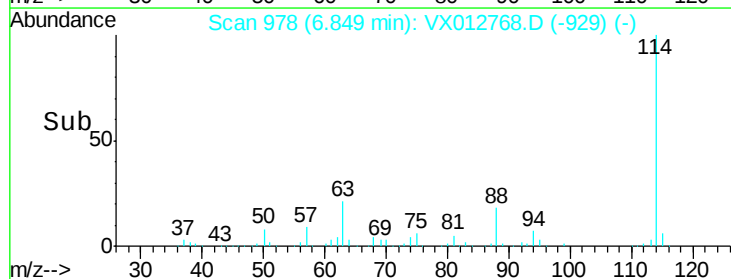
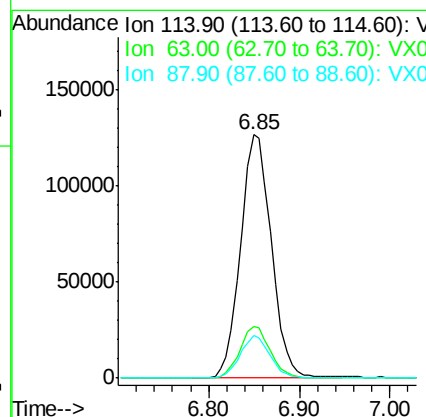
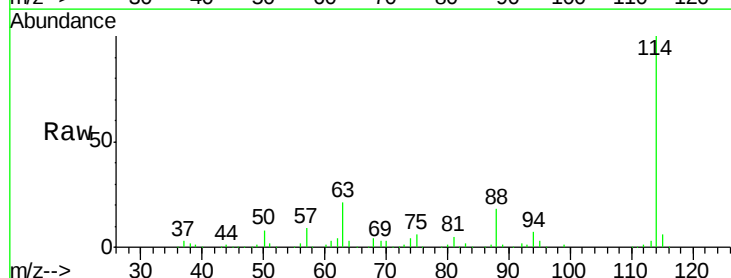
Instrument :
 MSVOA_X
 ClientSampled :
 S49-0539

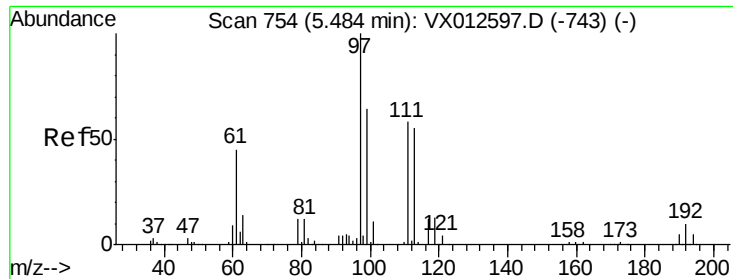
Tot Ion: 65 Resp: 119571
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012768.D
 Acq: 02 Oct 2019 18:46

Tgt Ion: 114 Resp: 299167
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 17.6 0.0 33.2

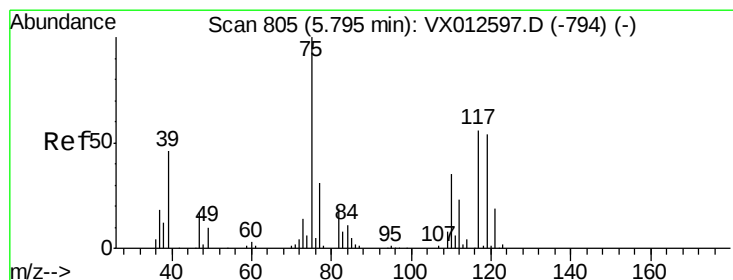
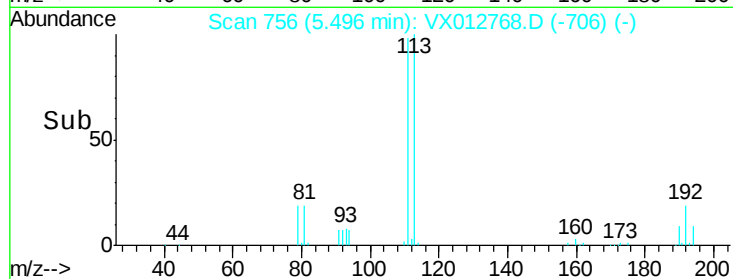
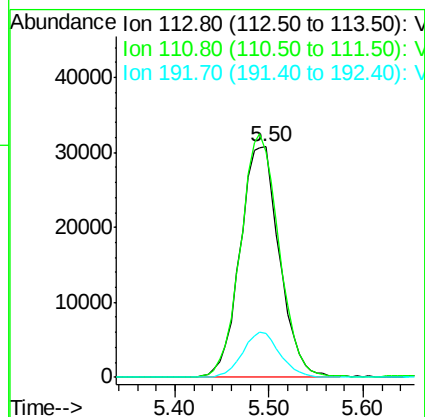
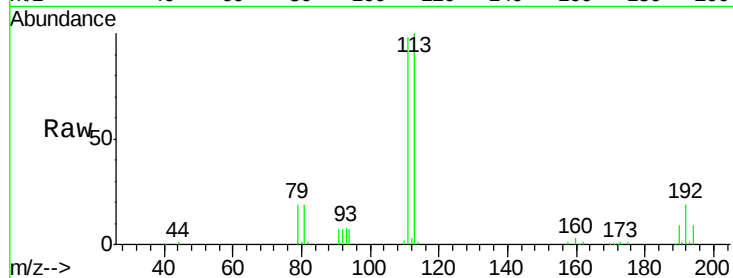




#35
Dibromofluoromethane
Concen: 50.499 ug/l
RT: 5.50 min Scan# 756
Delta R.T. 0.01 min
Lab File: VX012768.D
Acq: 02 Oct 2019 18:46

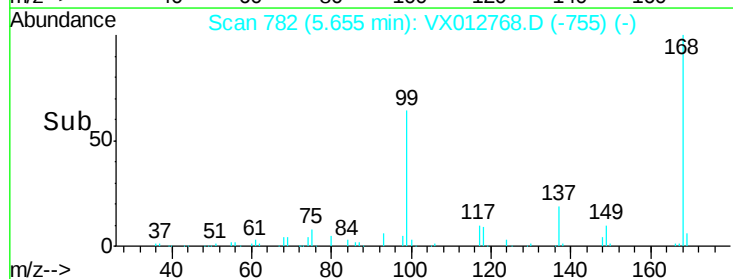
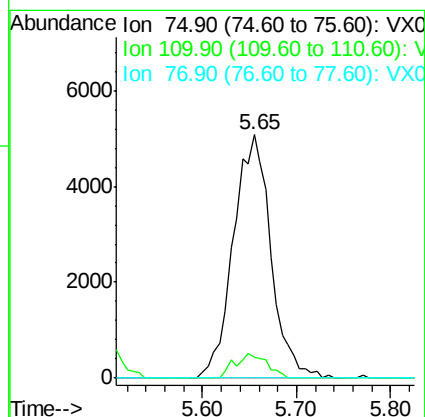
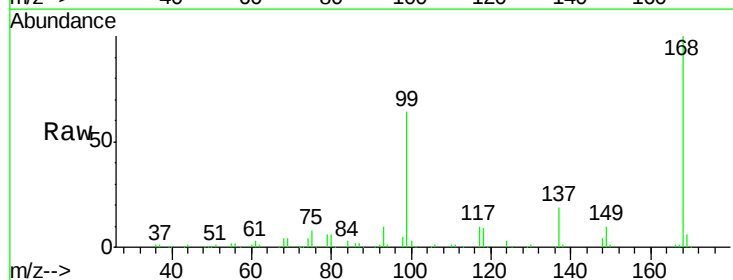
Instrument :
MSVOA_X
ClientSampleId :
S49-0539

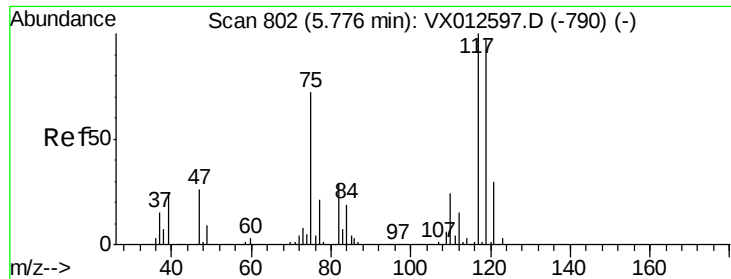
Tot Ion:113 Resp: 89972
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 18.7 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.13 min
Lab File: VX012768.D
Acq: 02 Oct 2019 18:46

Tgt Ion: 75 Resp: 14081
Ion Ratio Lower Upper
75 100
110 8.6 16.7 50.0#
77 0.0 24.2 36.2#

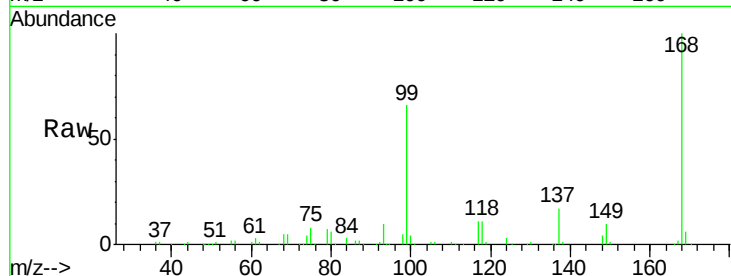




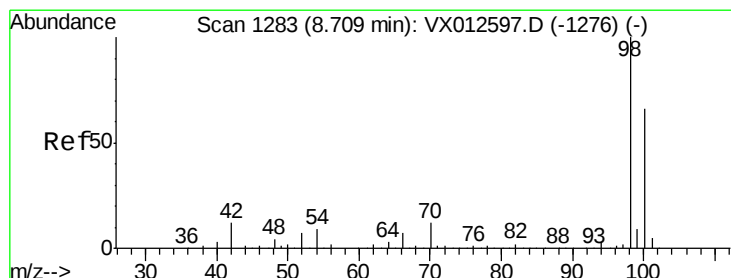
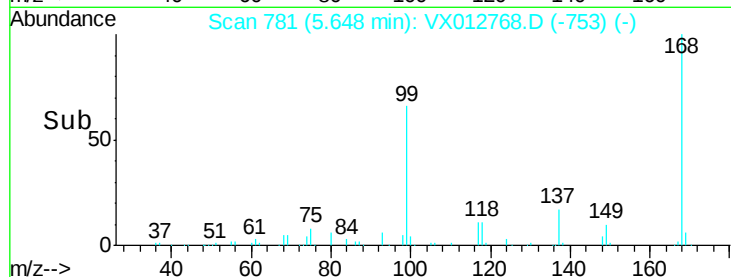
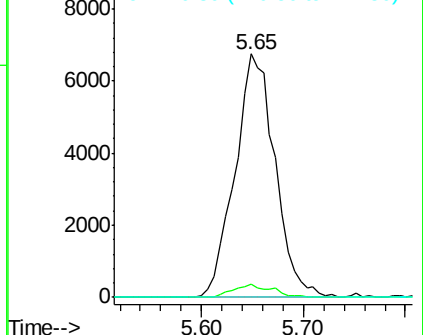
#38
Carbon Tetrachloride
Concen: 6.302 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012768.D
Acq: 02 Oct 2019 18:46

Instrument :
MSVOA_X
ClientSampleId :
S49-0539

Tot Ion:117 Resp: 18461
Ion Ratio Lower Upper
117 100
119 5.3 75.7 113.5#
121 0.0 24.2 36.4#

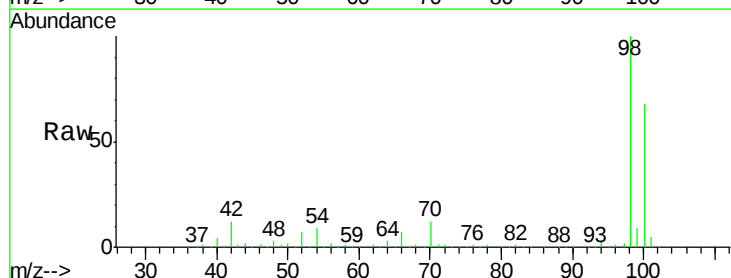


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

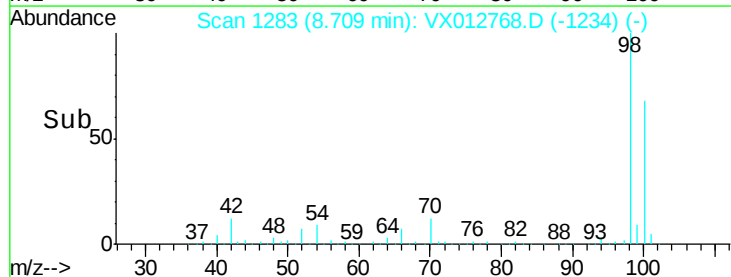
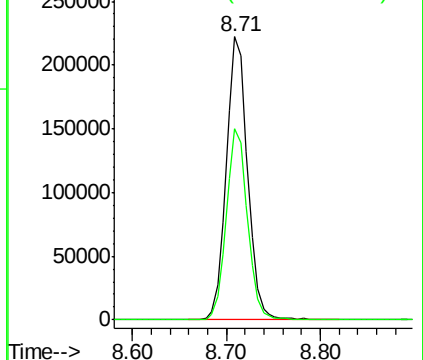


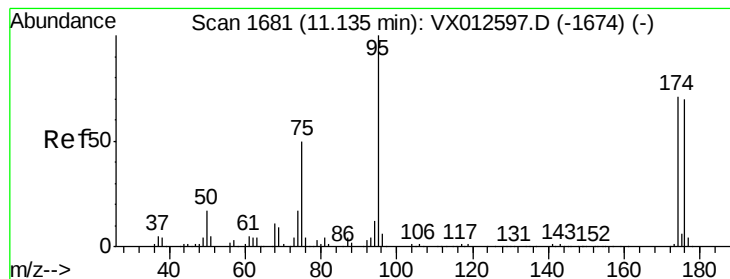
#50
Toluene-d8
Concen: 50.761 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012768.D
Acq: 02 Oct 2019 18:46

Tgt Ion: 98 Resp: 348290
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.422 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012768.D

Acq: 02 Oct 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

S49-0539

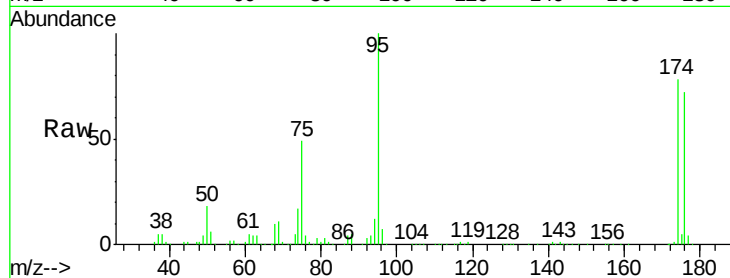
Tot Ion: 95 Resp: 117147

Ion Ratio Lower Upper

95 100

174 70.9 0.0 140.0

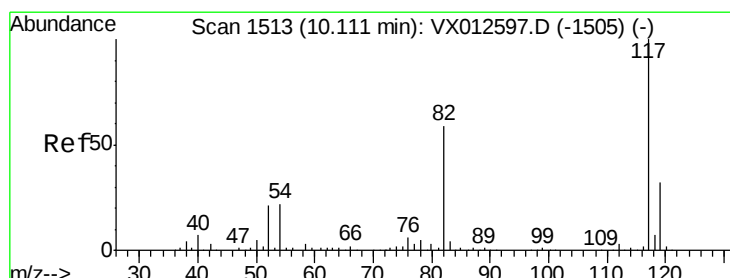
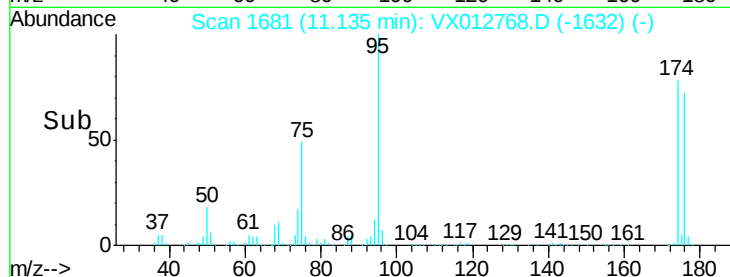
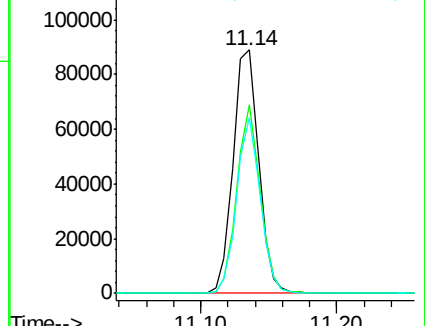
176 66.6 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012597.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012597.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012597.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012768.D

Acq: 02 Oct 2019 18:46

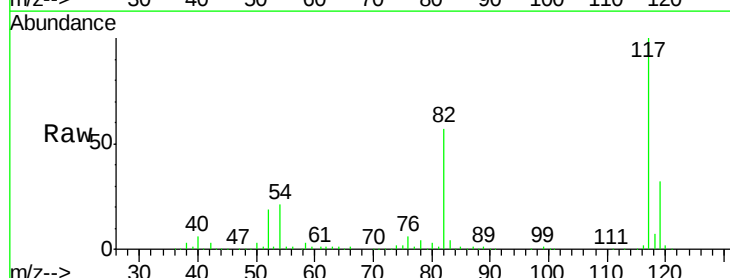
Tgt Ion: 117 Resp: 255138

Ion Ratio Lower Upper

117 100

82 56.6 45.9 68.9

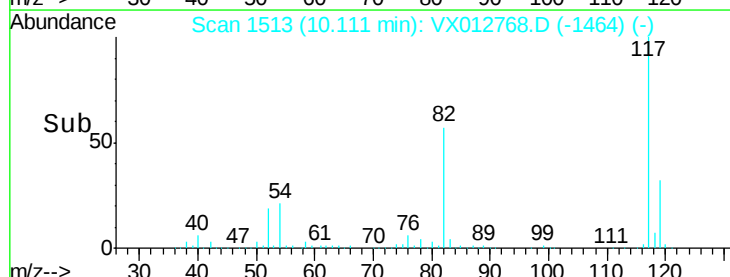
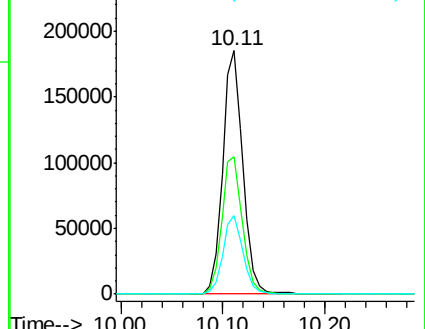
119 32.2 25.3 37.9

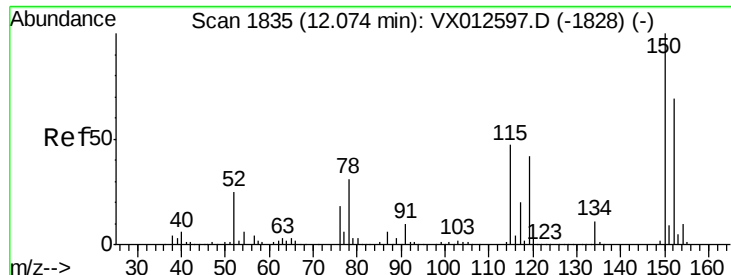


Abundance Ion 116.90 (116.60 to 117.60): VX012597.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012597.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012597.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012768.D

Acq: 02 Oct 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

S49-0539

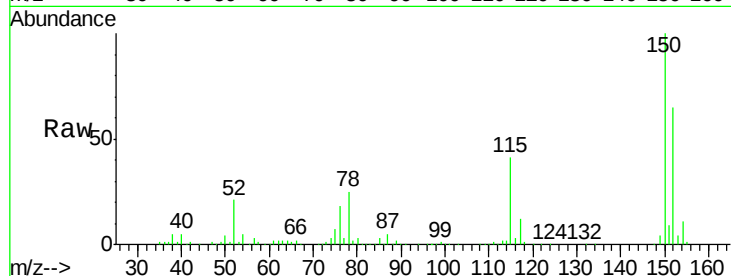
Tot Ion:152 Resp: 97864

Ion Ratio Lower Upper

152 100

115 64.3 44.1 132.3

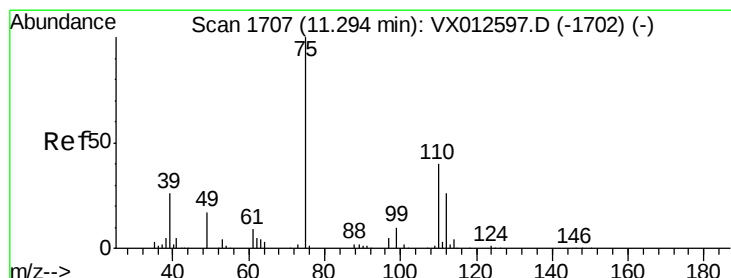
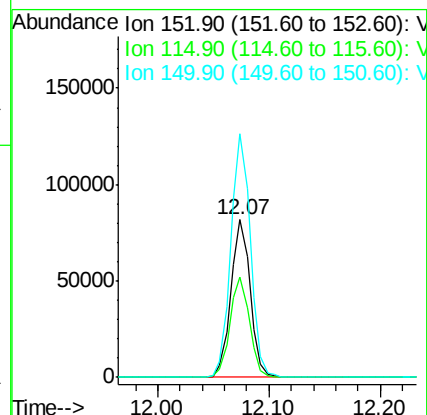
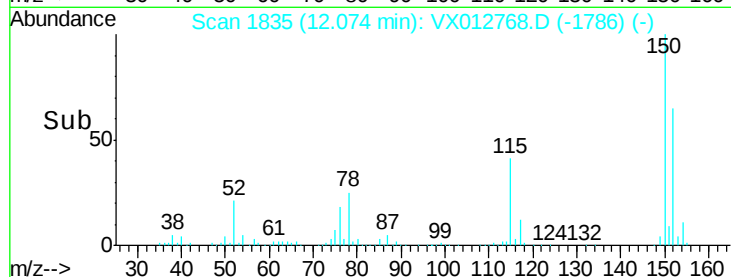
150 156.7 0.0 343.8



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: 22.697 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012768.D

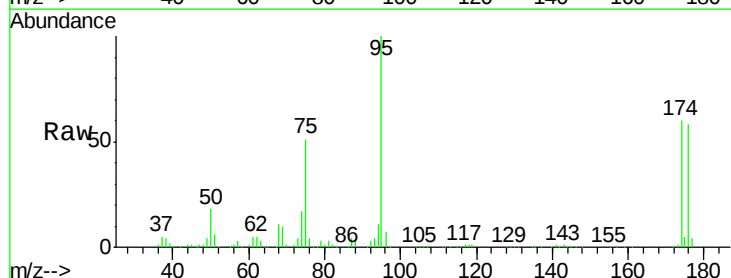
Acq: 02 Oct 2019 18:46

Tgt Ion: 75 Resp: 58757

Ion Ratio Lower Upper

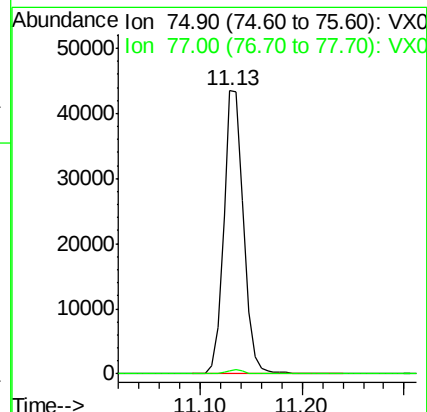
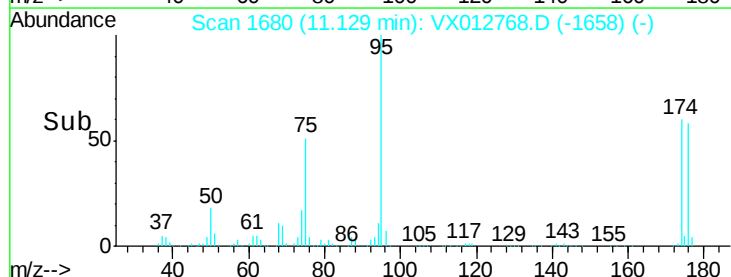
75 100

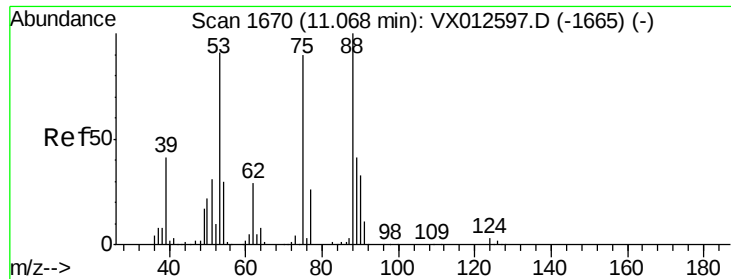
77 1.2 19.7 59.0#



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: 65.045 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012768.D

Acq: 02 Oct 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

S49-0539

Tot Ion: 75 Resp: 58757

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#

