

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013025.D
 Acq On : 11 Oct 2019 18:40
 Operator : JC/SP
 Sample : K5312-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0557

Quant Time: Oct 11 23:28:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	171388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	109196	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
35) Dibromofluoromethane	5.49	113	83612	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
50) Toluene-d8	8.71	98	329326	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.14	95	110838	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

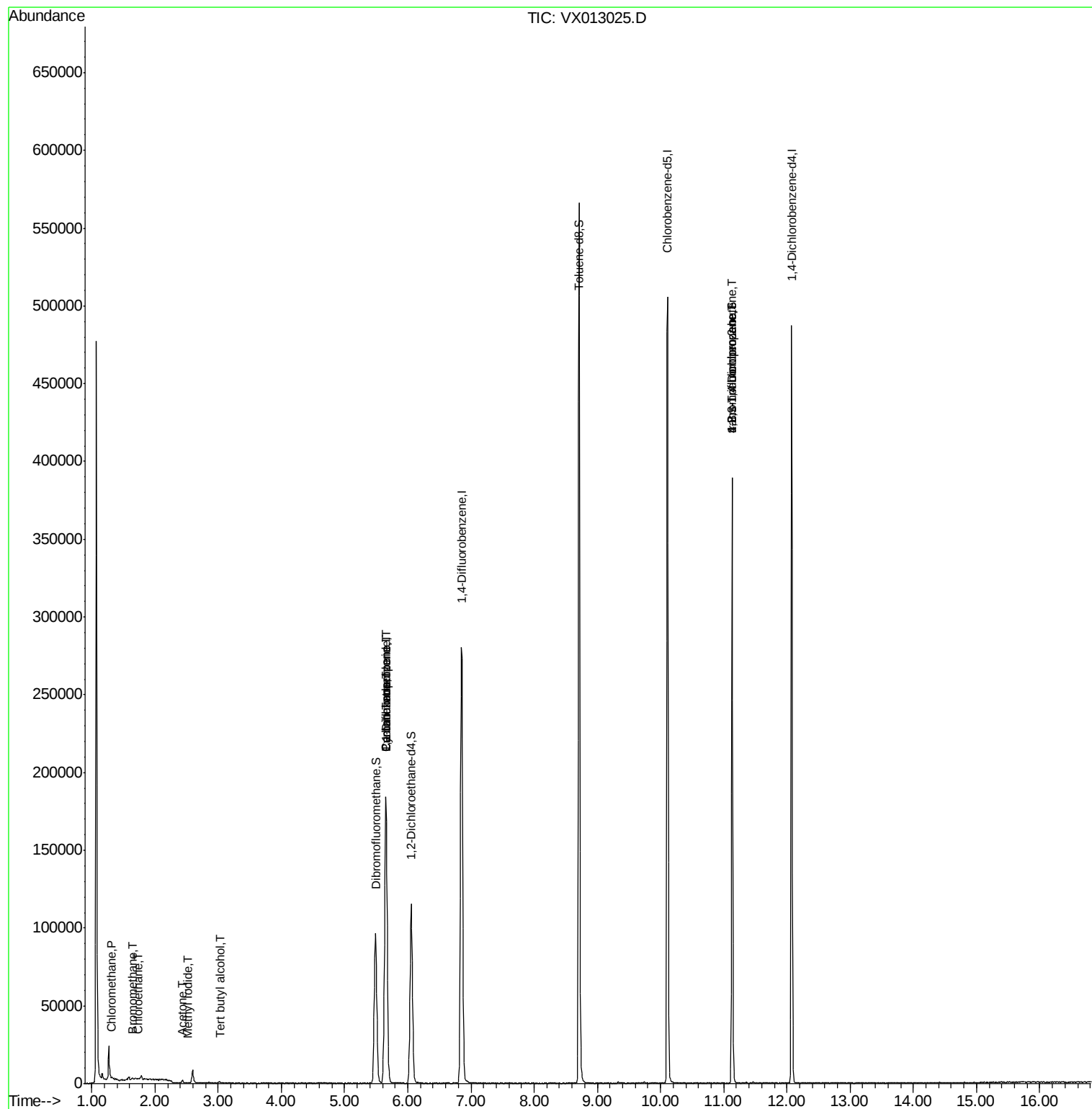
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	575	0.302	ug/l	99
5) Bromomethane	1.64	94	227	0.278	ug/l #	77
6) Chloroethane	1.72	64	428	0.722	ug/l #	43
10) Methyl Iodide	2.52	142	42	5.101	ug/l #	40
11) Tert butyl alcohol	3.03	59	823	1.449	ug/l #	72
16) Acetone	2.44	43	1918	1.699	ug/l #	85
31) Cyclohexane	5.65	56	3395	1.092	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13585	5.447	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17420	7.176	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	55232	26.590	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	55232	66.875	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013025.D

Acq: 11 Oct 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

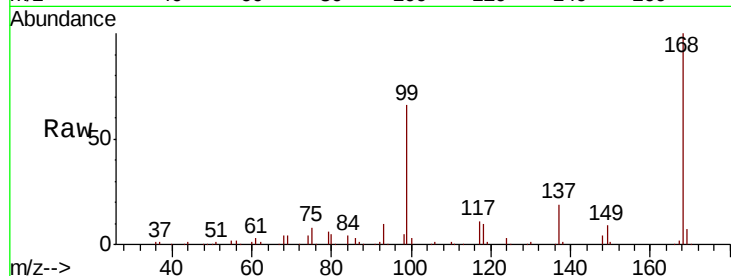
S49-0557

Tot Ion:168 Resp: 171388

Ion Ratio Lower Upper

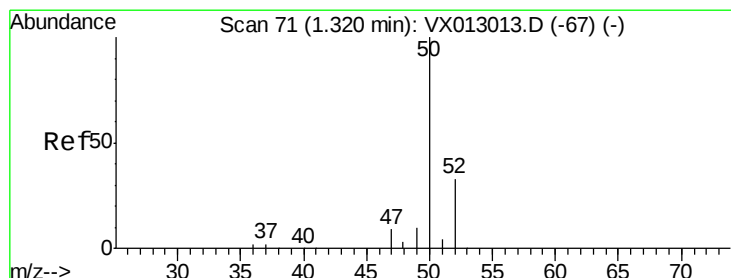
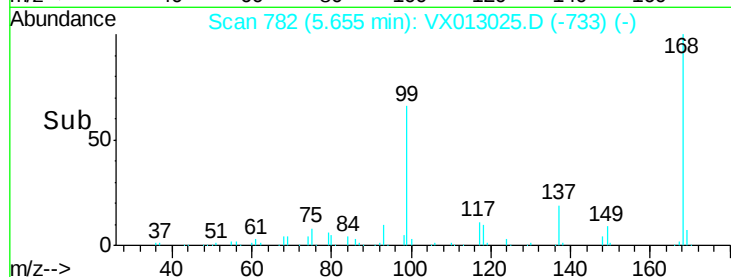
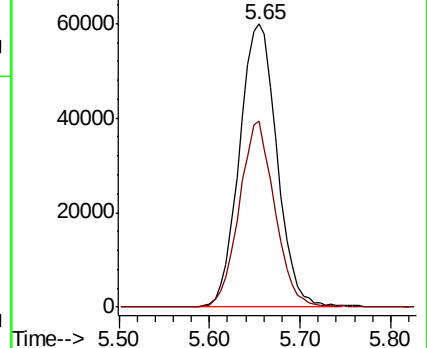
168 100

99 65.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.302 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013025.D

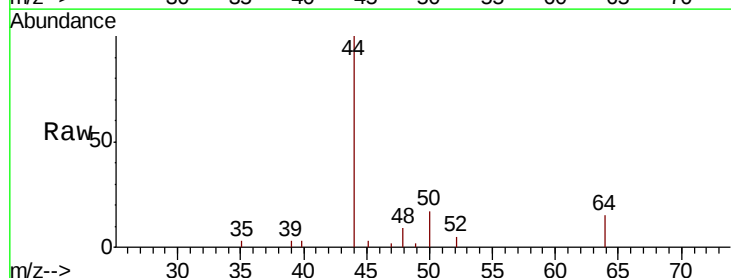
Acq: 11 Oct 2019 18:40

Tgt Ion: 50 Resp: 575

Ion Ratio Lower Upper

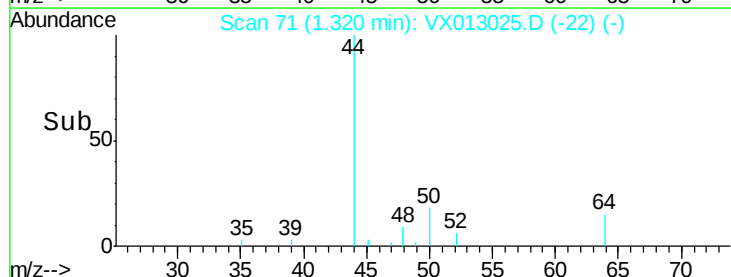
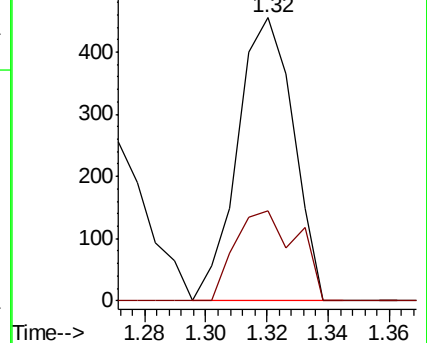
50 100

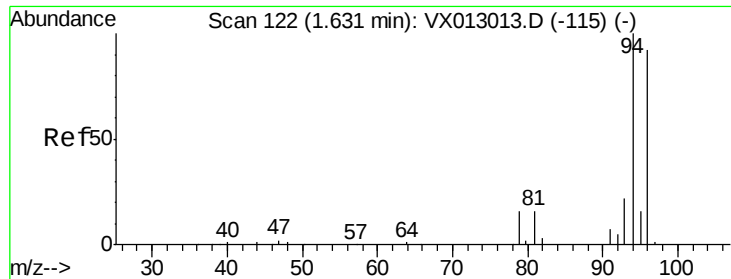
52 31.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.278 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013025.D

Acq: 11 Oct 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

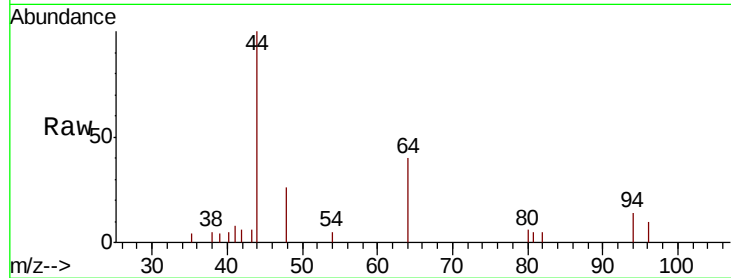
S49-0557

Tot Ion: 94 Resp: 227

Ion Ratio Lower Upper

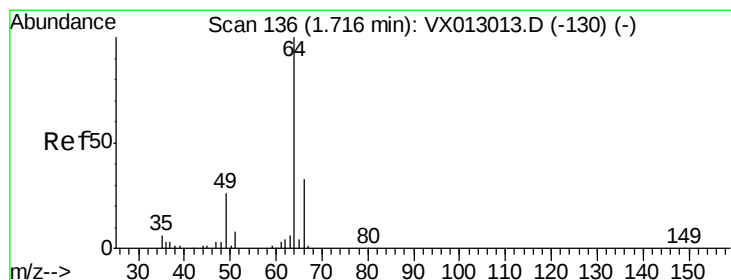
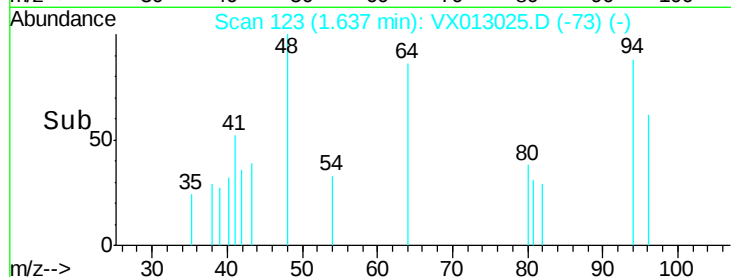
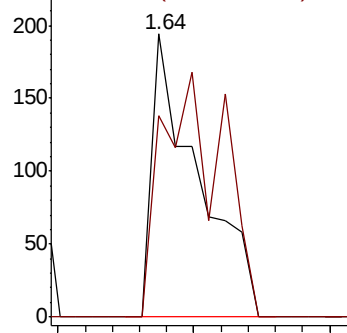
94 100

96 71.1 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.722 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013025.D

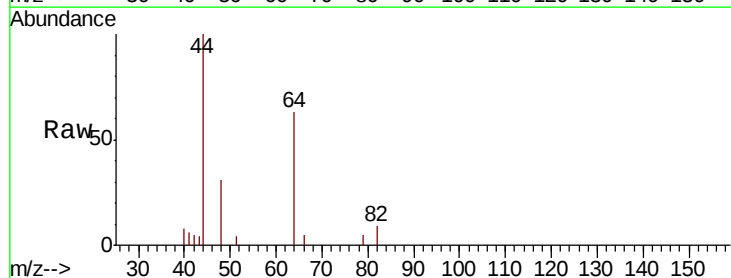
Acq: 11 Oct 2019 18:40

Tgt Ion: 64 Resp: 428

Ion Ratio Lower Upper

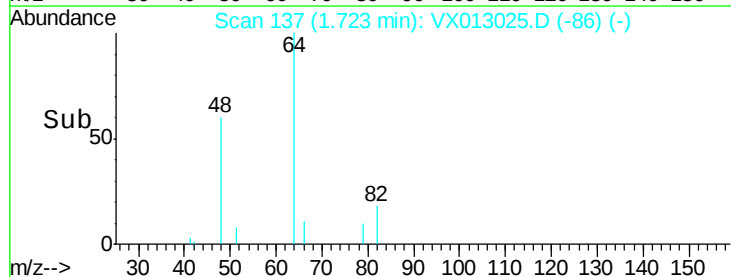
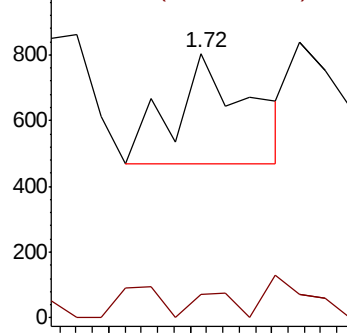
64 100

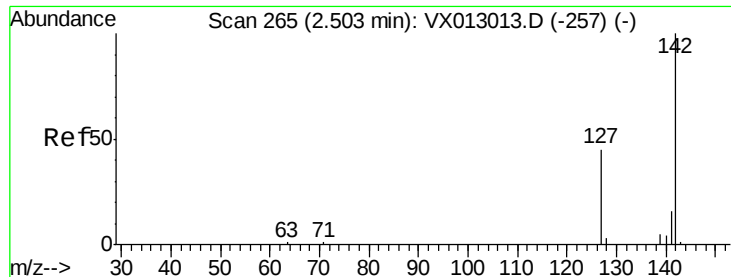
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

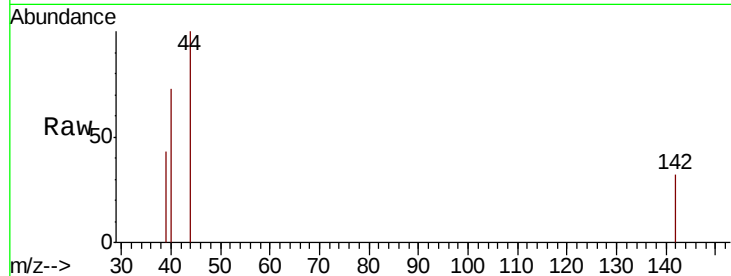




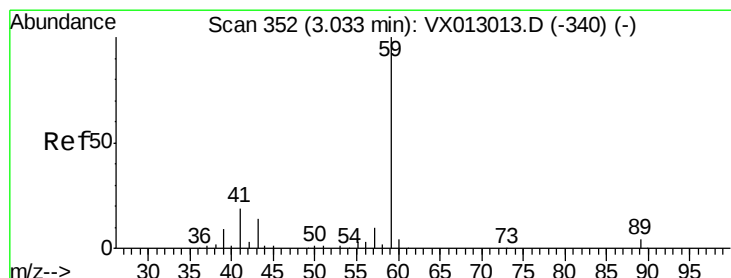
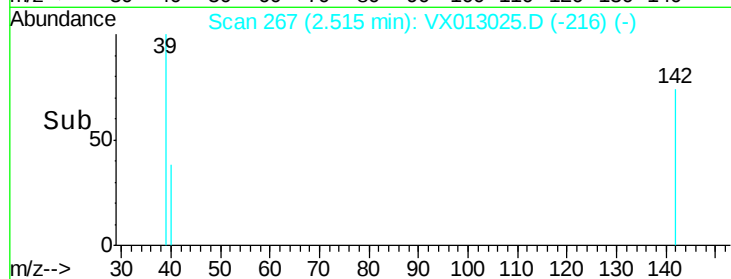
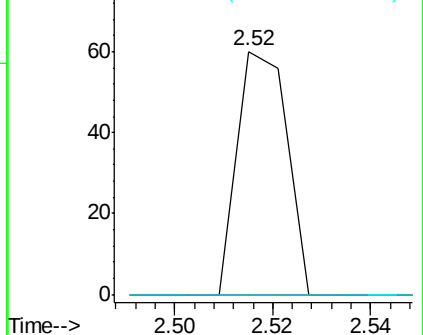
#10
Methvl Iodide
Concen: 5.101 ug/l
RT: 2.52 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX013025.D
Acq: 11 Oct 2019 18:40

Instrument :
MSVOA_X
ClientSampleId :
S49-0557

Tot Ion:142 Resp: 42
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#

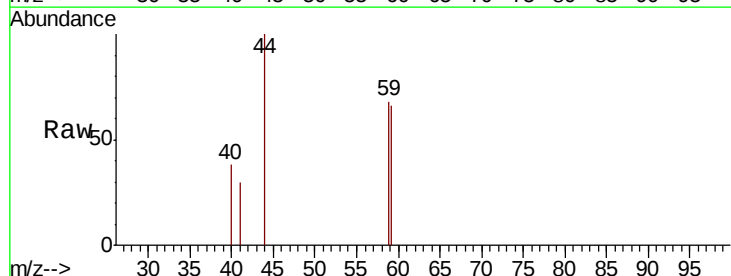


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

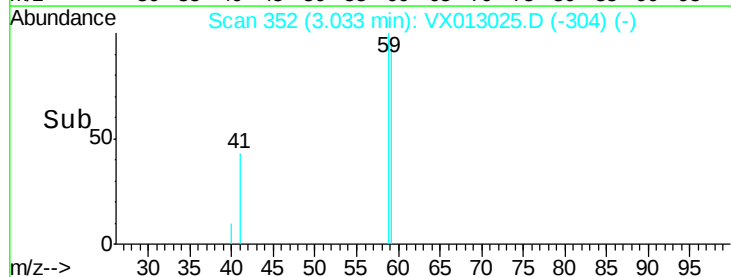
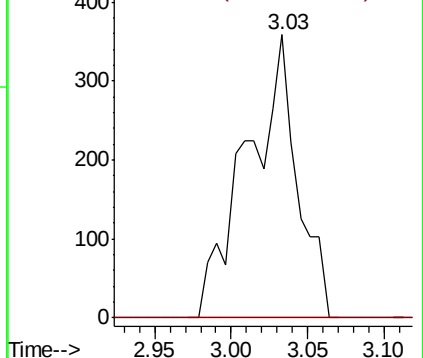


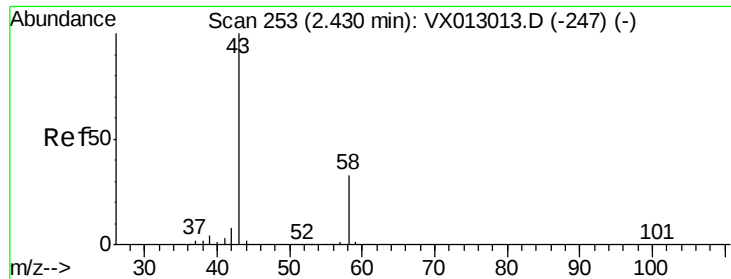
#11
Tert butyl alcohol
Concen: 1.449 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013025.D
Acq: 11 Oct 2019 18:40

Tgt Ion: 59 Resp: 823
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





#16

Acetone

Concen: 1.699 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX013025.D

Acq: 11 Oct 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

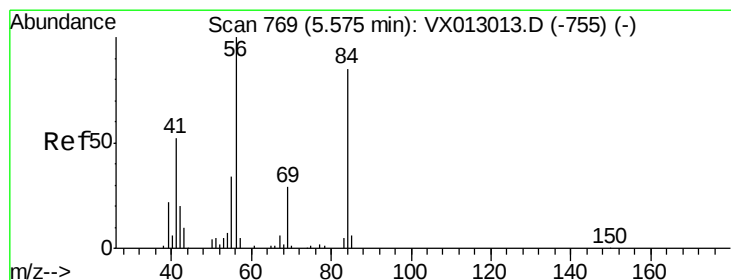
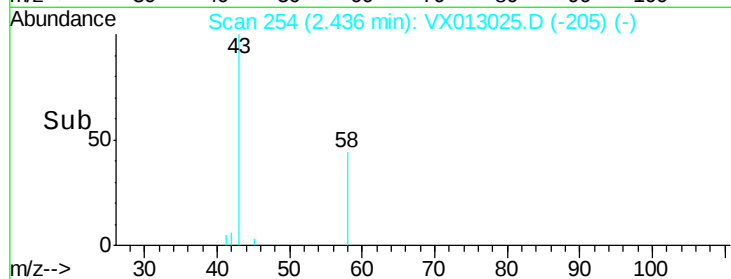
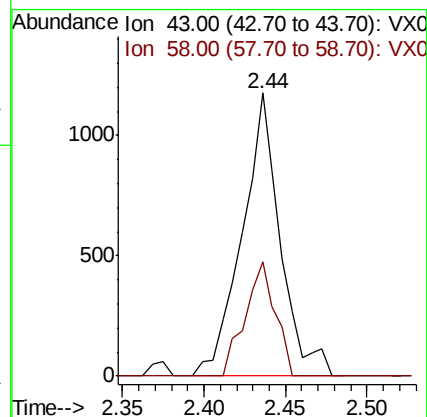
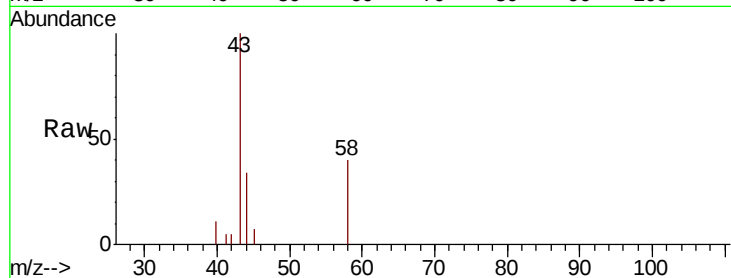
S49-0557

Tot Ion: 43 Resp: 1918

Ion Ratio Lower Upper

43 100

58 40.2 25.4 38.2#



#31

Cyclohexane

Concen: 1.092 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX013025.D

Acq: 11 Oct 2019 18:40

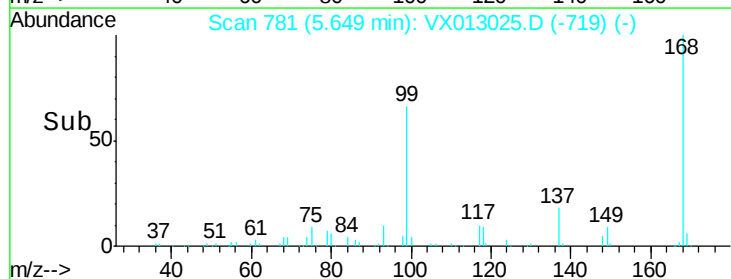
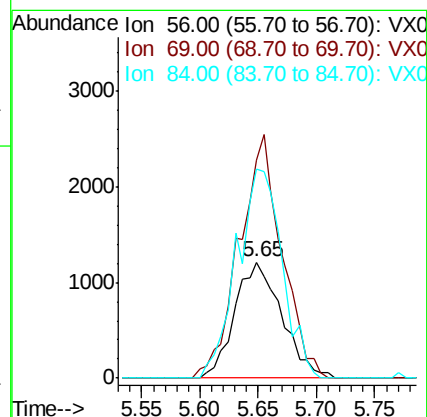
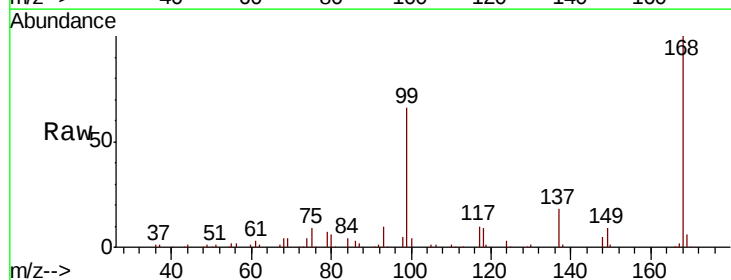
Tgt Ion: 56 Resp: 3395

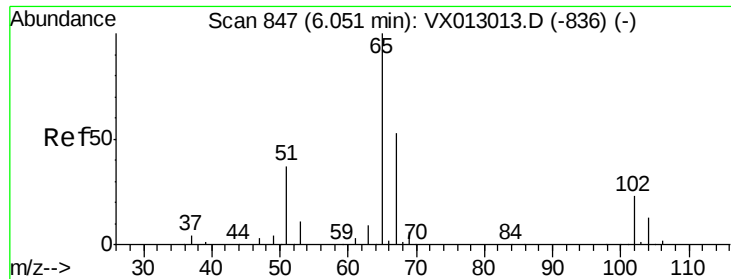
Ion Ratio Lower Upper

56 100

69 187.9 25.2 37.8#

84 180.5 71.3 106.9#

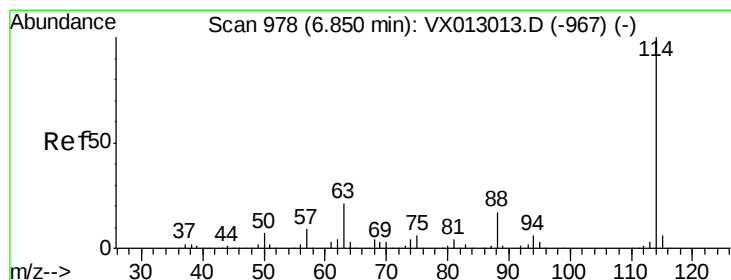
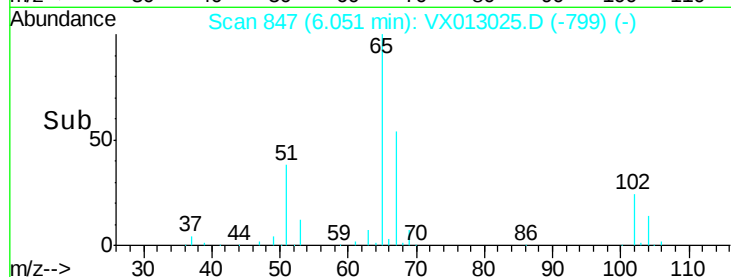
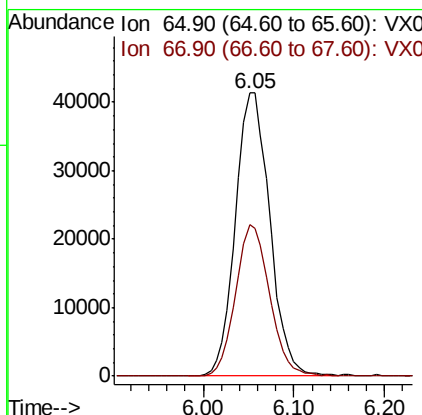
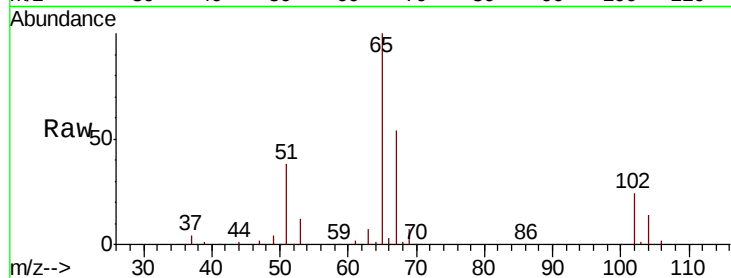




#33
 1,2-Dichloroethane-d4
 Concen: 50.975 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013025.D
 Acq: 11 Oct 2019 18:40

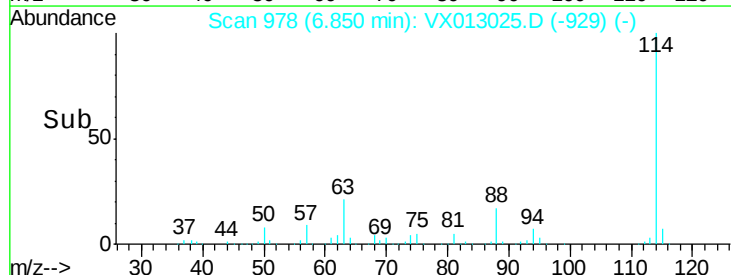
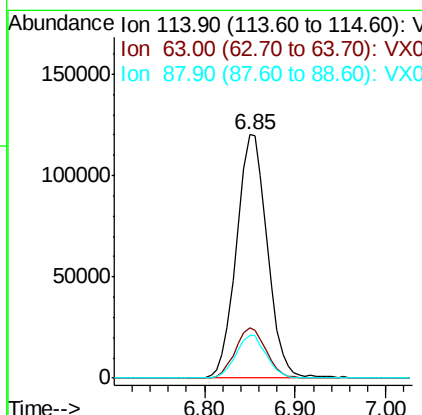
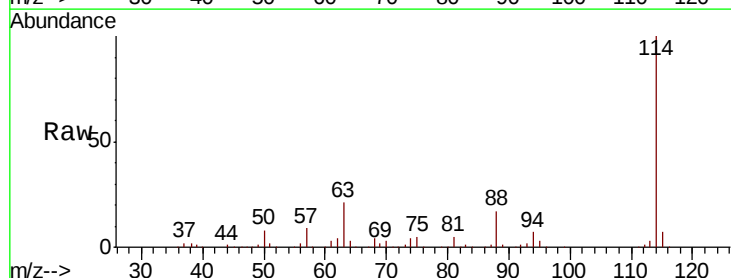
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0557

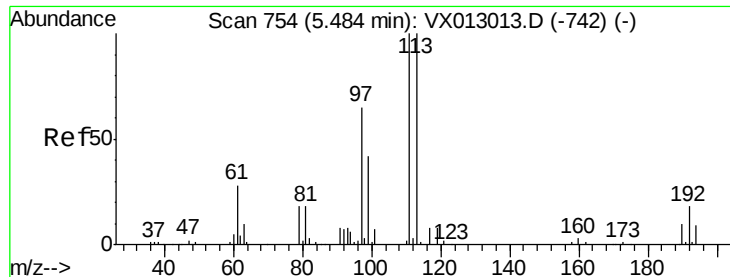
Tot Ion: 65 Resp: 109196
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013025.D
 Acq: 11 Oct 2019 18:40

Tgt Ion: 114 Resp: 283682
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 17.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.353 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013025.D

Acq: 11 Oct 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

S49-0557

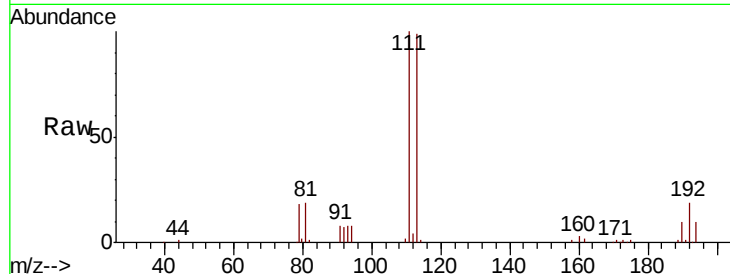
Tot Ion:113 Resp: 83612

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

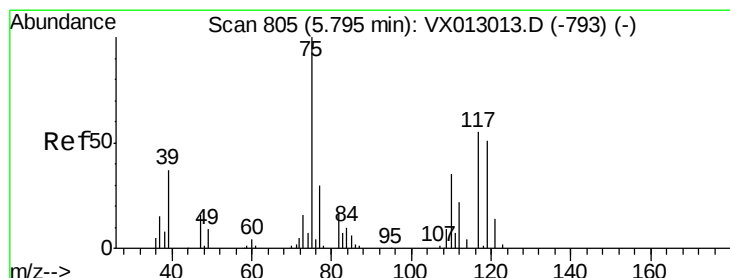
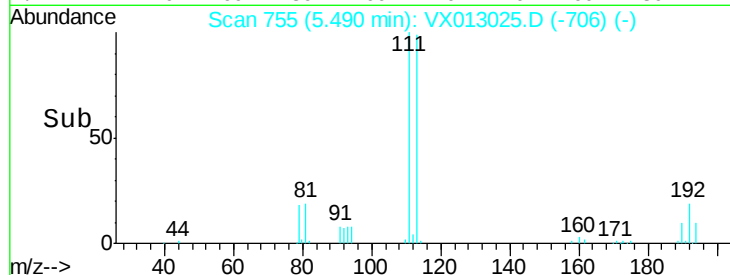
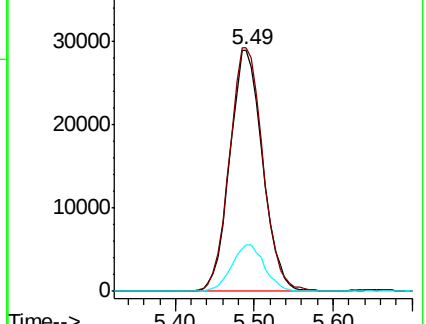
192 19.5 15.4 23.2



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: 5.447 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013025.D

Acq: 11 Oct 2019 18:40

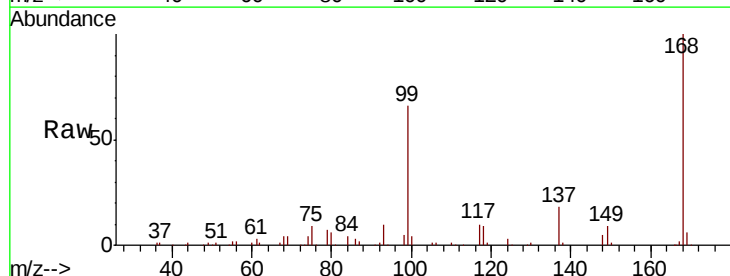
Tgt Ion: 75 Resp: 13585

Ion Ratio Lower Upper

75 100

110 9.3 17.6 52.9#

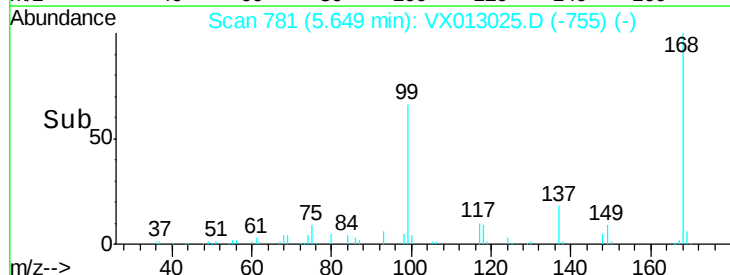
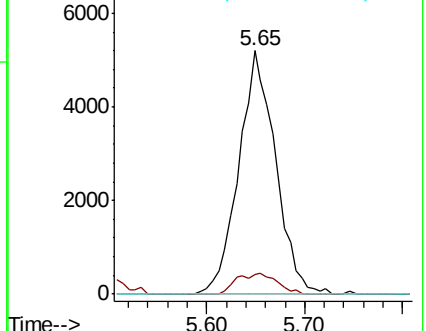
77 0.0 24.4 36.6#

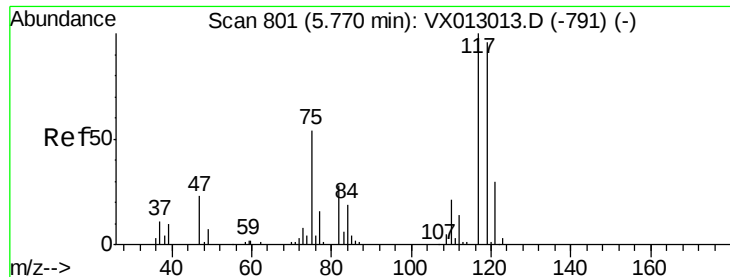


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.176 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013025.D

Acq: 11 Oct 2019 18:40

Instrument :

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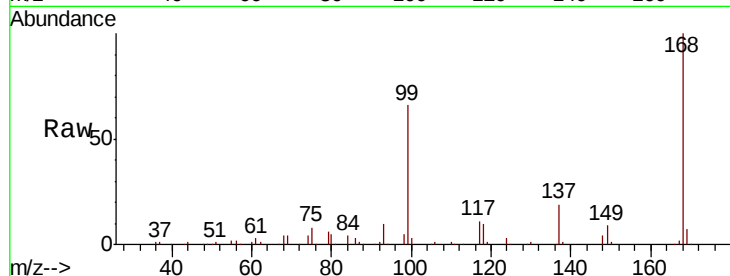
Tot Ion:117 Resp: 17420

Ion Ratio Lower Upper

117 100

119 5.6 74.5 111.7#

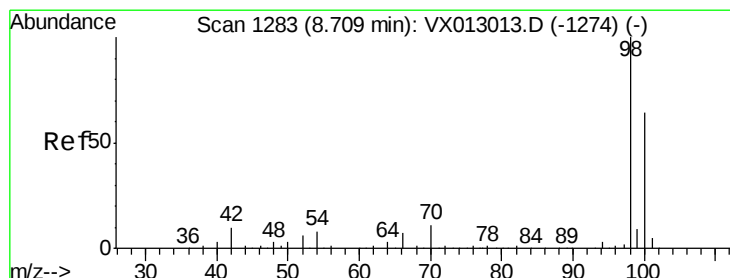
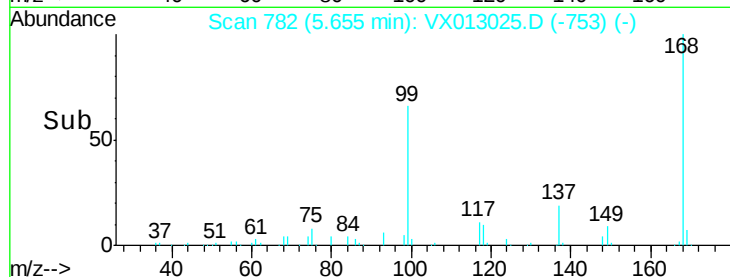
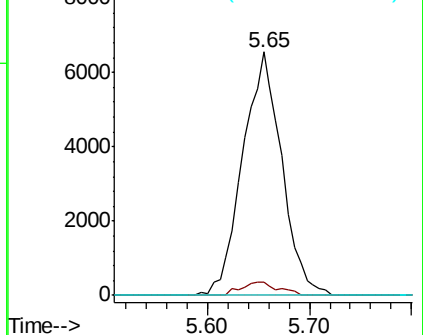
121 0.0 24.2 36.4#



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: 51.860 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013025.D

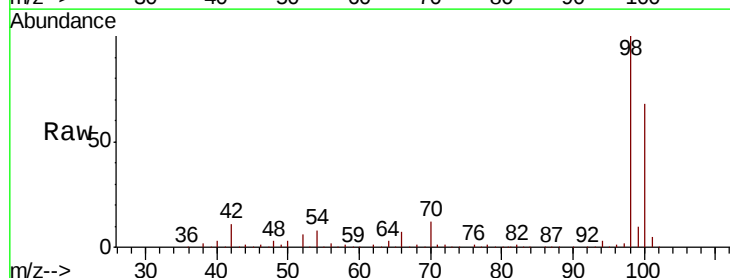
Acq: 11 Oct 2019 18:40

Tgt Ion: 98 Resp: 329326

Ion Ratio Lower Upper

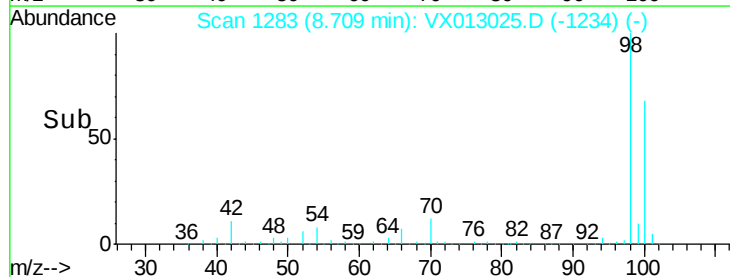
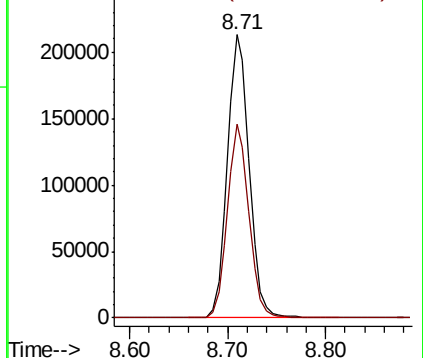
98 100

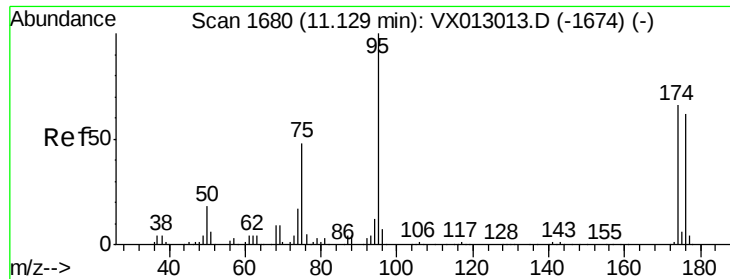
100 67.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

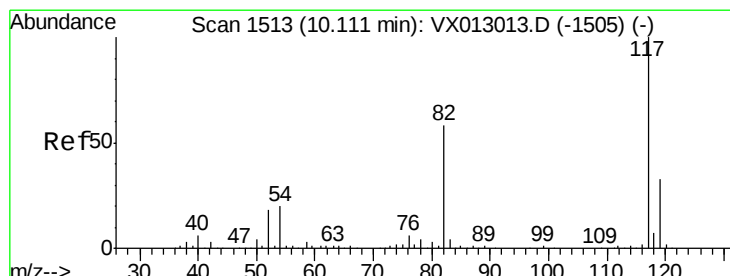
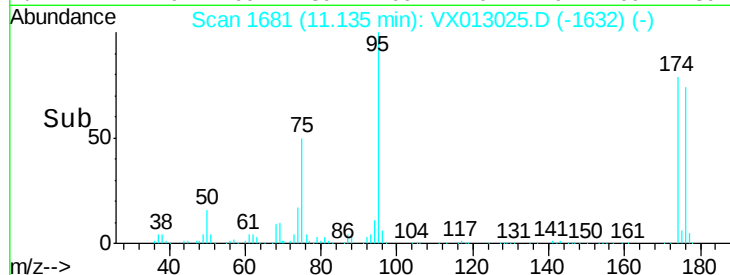
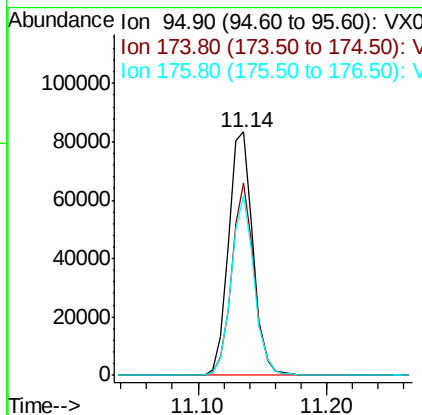
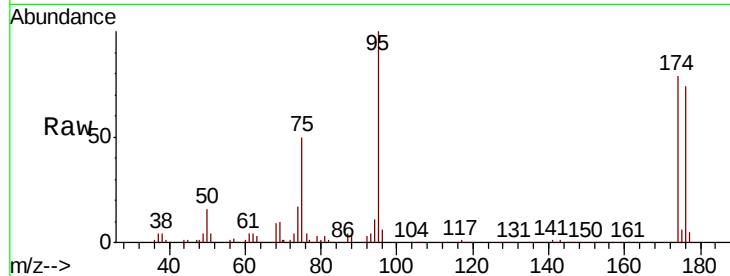




#62
4-Bromofluorobenzene
Concen: 44.920 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013025.D
Acq: 11 Oct 2019 18:40

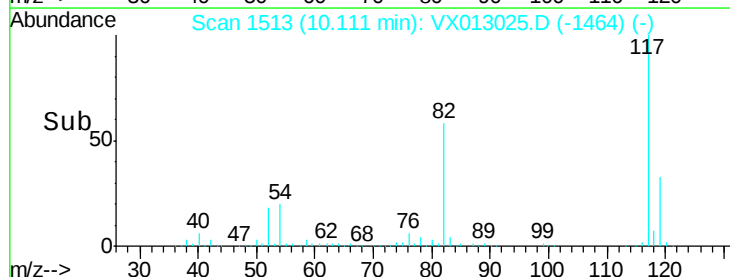
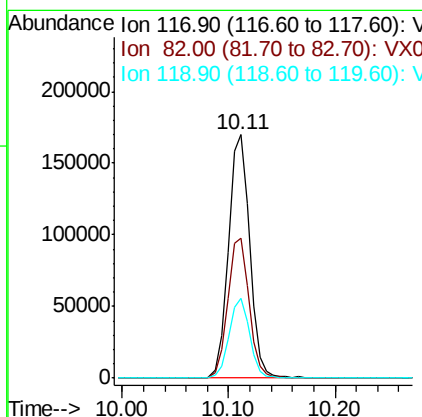
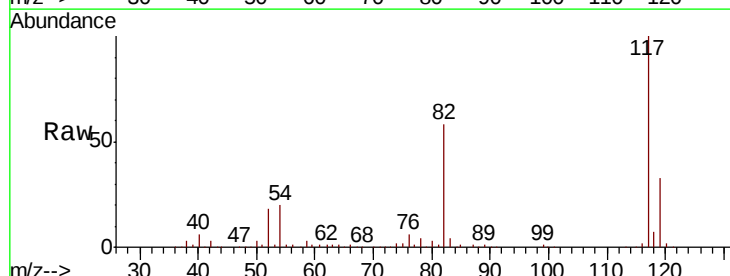
Instrument :
MSVOA_X
ClientSampleId :
S49-0557

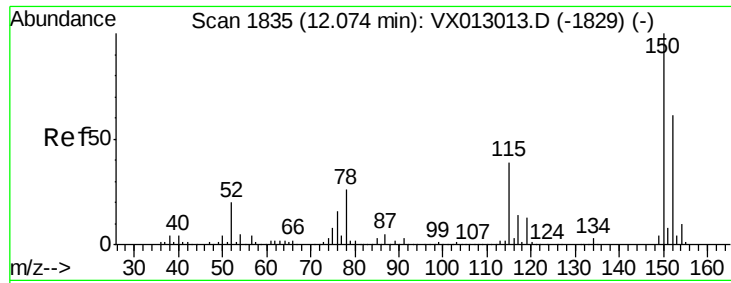
Tot Ion: 95 Resp: 110838
Ion Ratio Lower Upper
95 100
174 72.8 0.0 143.4
176 69.5 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013025.D
Acq: 11 Oct 2019 18:40

Tgt Ion: 117 Resp: 238694
Ion Ratio Lower Upper
117 100
82 57.7 44.1 66.1
119 32.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013025.D

Acq: 11 Oct 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

S49-0557

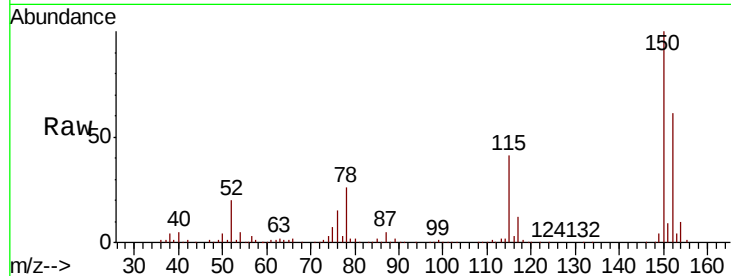
Tot Ion:152 Resp: 93650

Ion Ratio Lower Upper

152 100

115 63.9 44.5 133.5

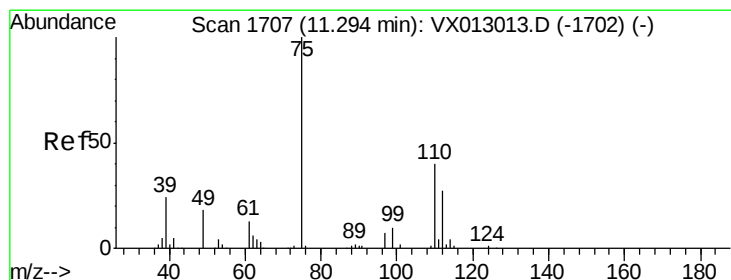
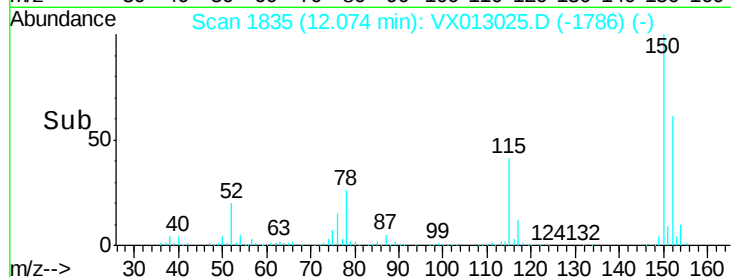
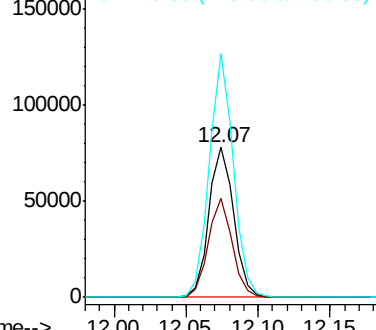
150 157.3 0.0 353.4



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: 26.590 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013025.D

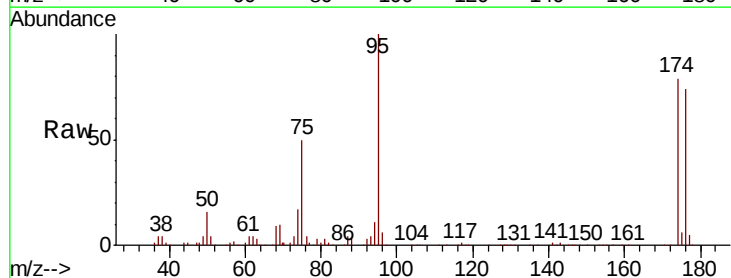
Acq: 11 Oct 2019 18:40

Tgt Ion: 75 Resp: 55232

Ion Ratio Lower Upper

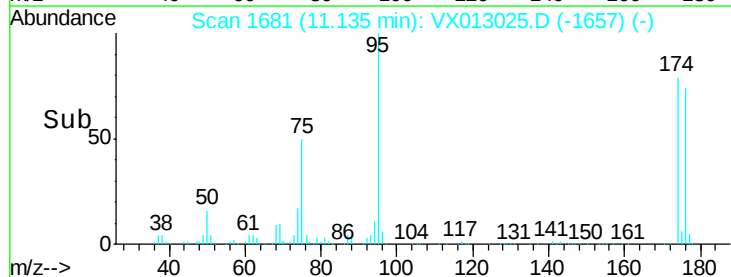
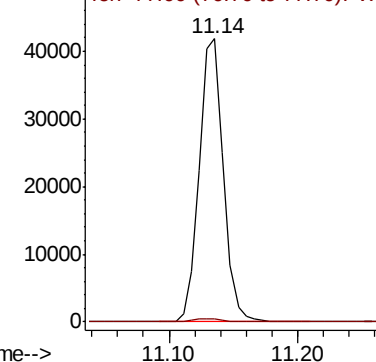
75 100

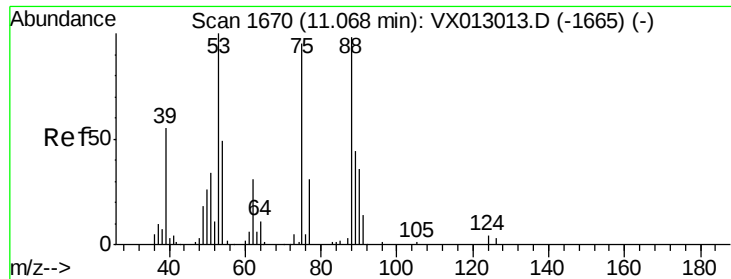
77 1.2 22.9 68.8#



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: 66.875 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013025.D

Acq: 11 Oct 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

S49-0557

Tot Ion: 75 Resp: 55232

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

