

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013021.D
 Acq On : 11 Oct 2019 17:07
 Operator : JC/SP
 Sample : K5261-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0556

Quant Time: Oct 11 23:27:58 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	171333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88614	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	108888	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	5.49	113	83914	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
50) Toluene-d8	8.71	98	325224	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	11.14	95	107829	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	

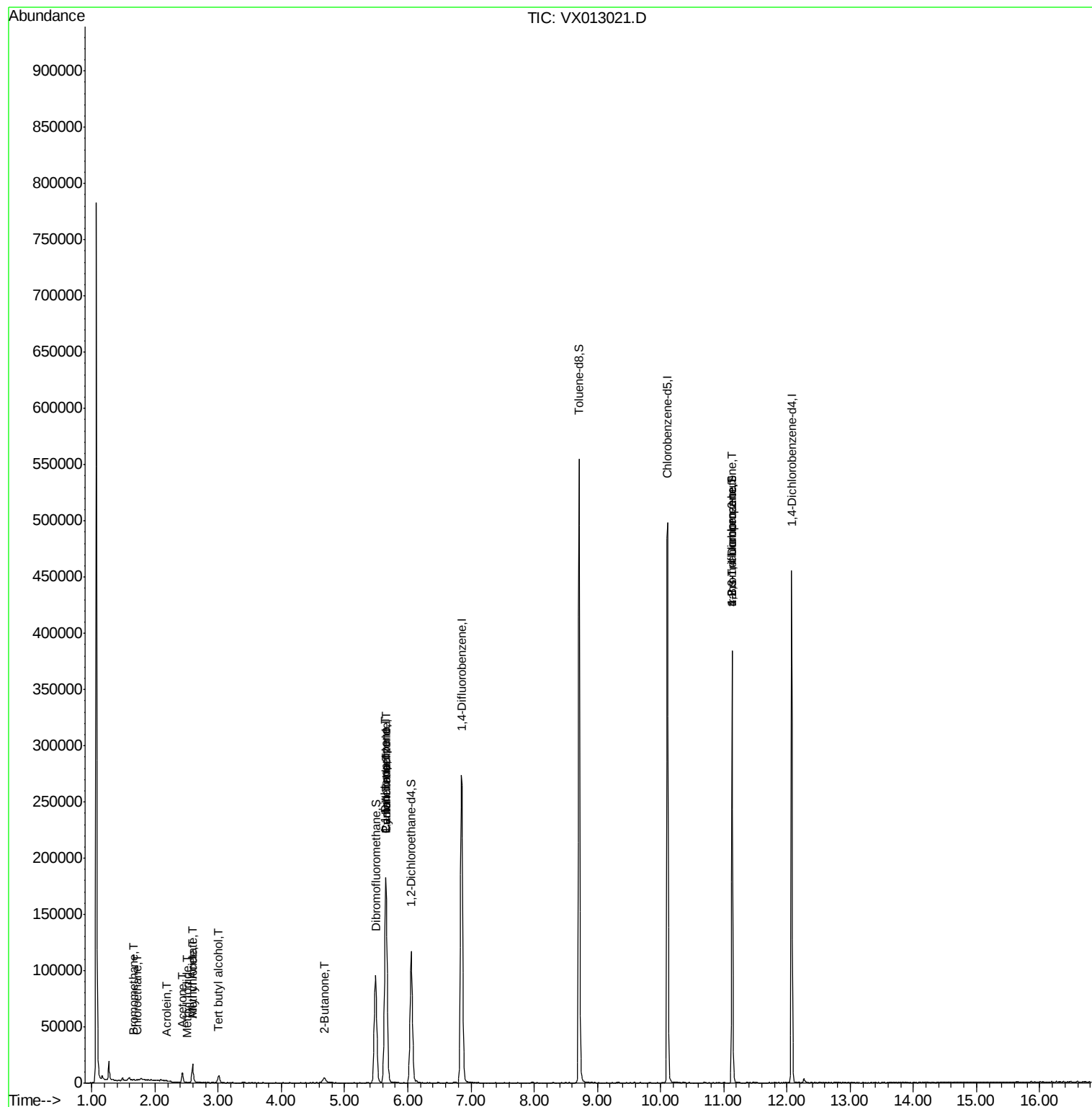
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	207	0.254	ug/l #	43
6) Chloroethane	1.72	64	207	0.539	ug/l #	43
10) Methyl Iodide	2.51	142	70	5.114	ug/l #	40
11) Tert butyl alcohol	3.01	59	4048	7.131	ug/l #	72
13) Acrolein	2.19	56	101	0.250	ug/l #	51
14) Allyl chloride	2.60	41	1586	0.514	ug/l #	67
16) Acetone	2.43	43	9618	8.521	ug/l	100
18) Methyl Acetate	2.59	43	5013	1.874	ug/l #	51
25) 2-Butanone	4.69	43	1429	0.913	ug/l #	84
31) Cyclohexane	5.65	56	3518	1.132	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	13236	5.347	ug/l #	52
38) Carbon Tetrachloride	5.65	117	17626	7.315	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	53404	27.171	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	53404	68.248	ug/l #	10

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

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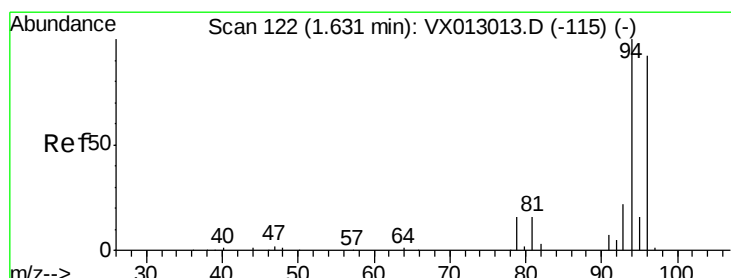
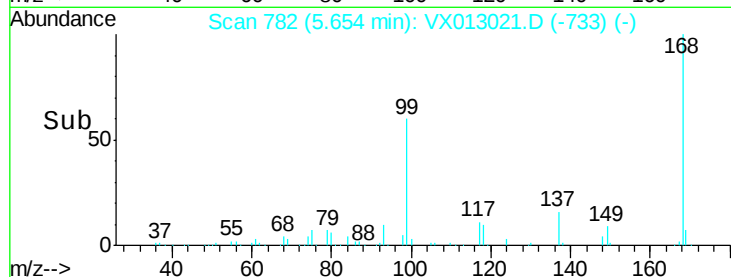
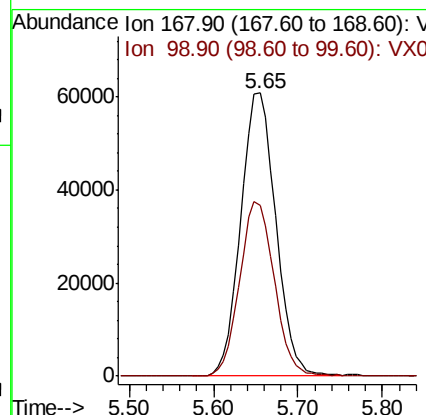
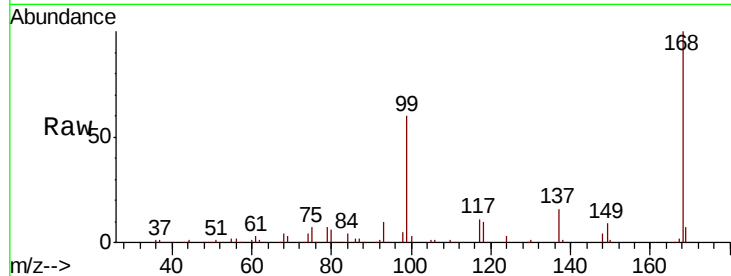




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.00 min
Lab File: VX013021.D
Acq: 11 Oct 2019 17:07

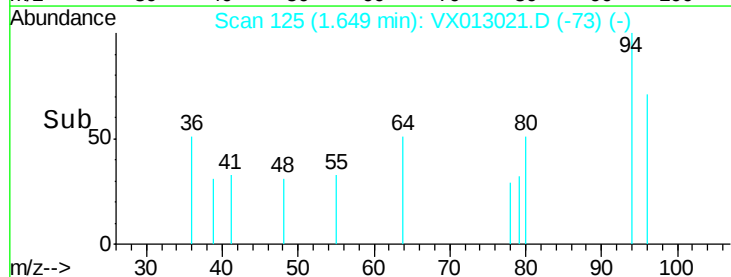
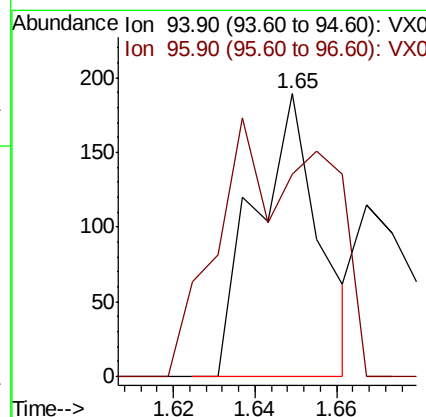
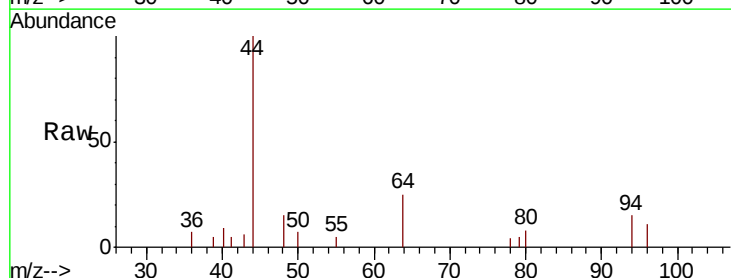
Instrument :
MSVOA_X
ClientSampleId :
S49-0556

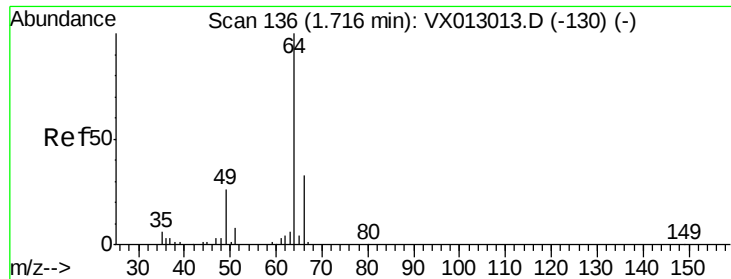
Tot Ion:168 Resp: 171333
Ion Ratio Lower Upper
168 100
99 60.4 49.4 74.0



#5
Bromomethane
Concen: 0.254 ug/l
RT: 1.65 min Scan# 125
Delta R.T. 0.02 min
Lab File: VX013021.D
Acq: 11 Oct 2019 17:07

Tgt Ion: 94 Resp: 207
Ion Ratio Lower Upper
94 100
96 38.1 74.7 112.1#





#6

Chloroethane

Concen: 0.539 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013021.D

Acq: 11 Oct 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

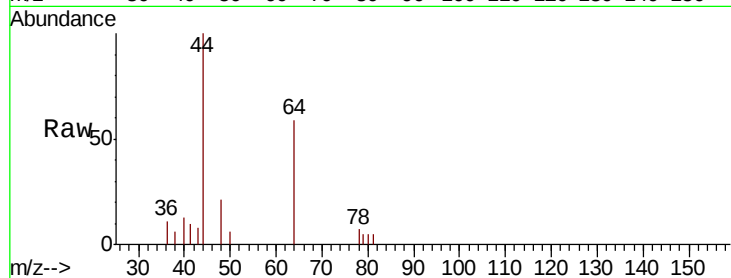
S49-0556

Tot Ion: 64 Resp: 207

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

1.72

600

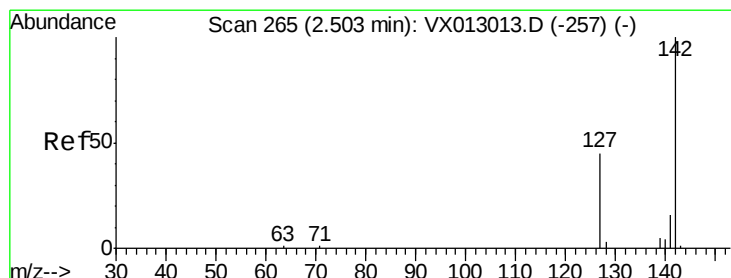
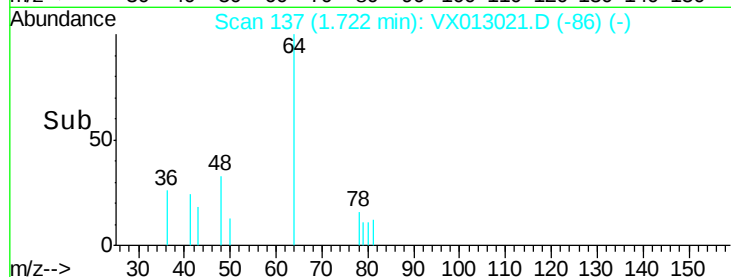
400

200

0

1.70 1.71 1.72 1.73 1.74

Time-->



#10

Methyl Iodide

Concen: 5.114 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013021.D

Acq: 11 Oct 2019 17:07

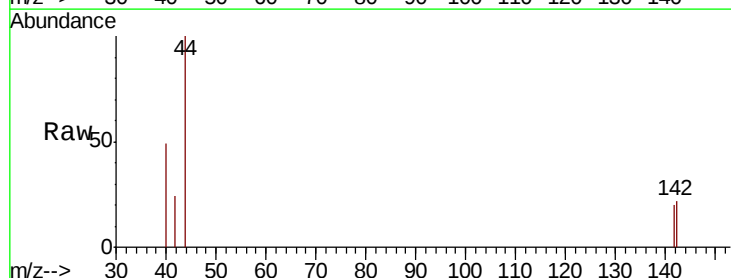
Tgt Ion: 142 Resp: 70

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

150

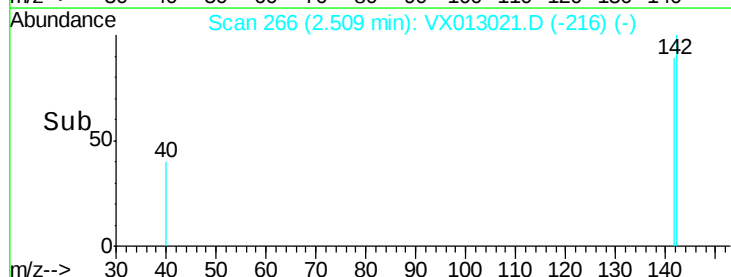
100

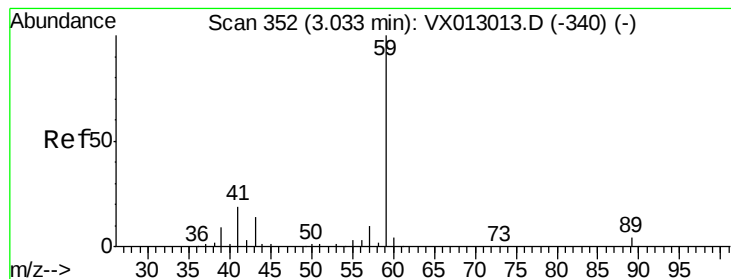
50

0

2.48 2.50 2.52

Time-->



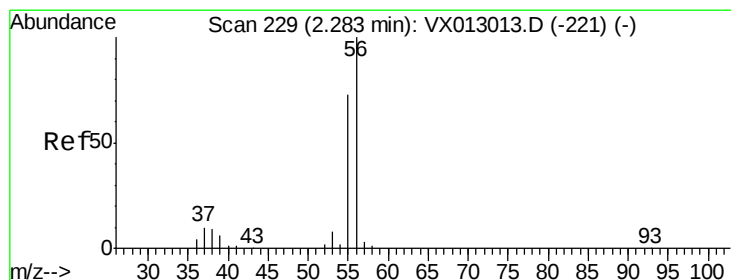
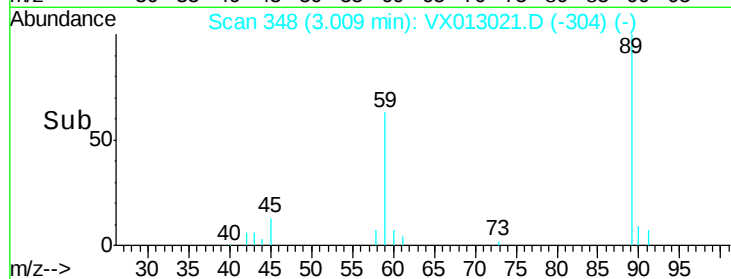
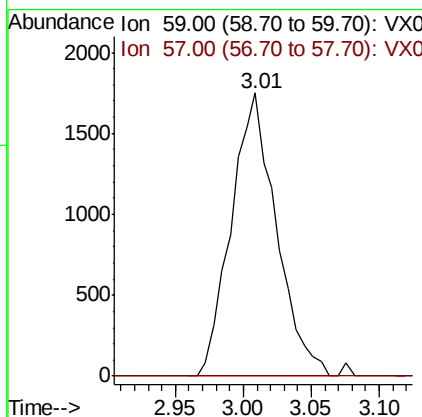
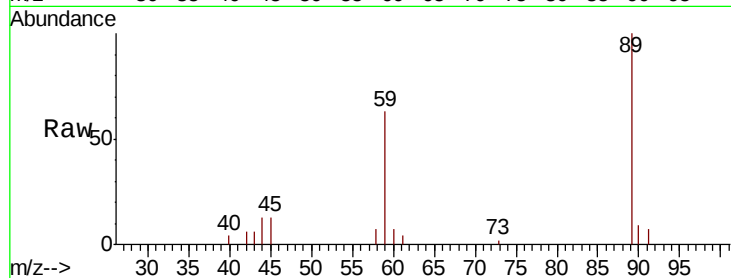


#11

Tert butyl alcohol
 Concen: 7.131 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX013021.D
 Acq: 11 Oct 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0556

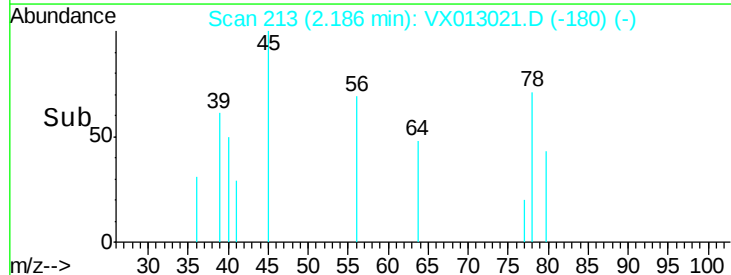
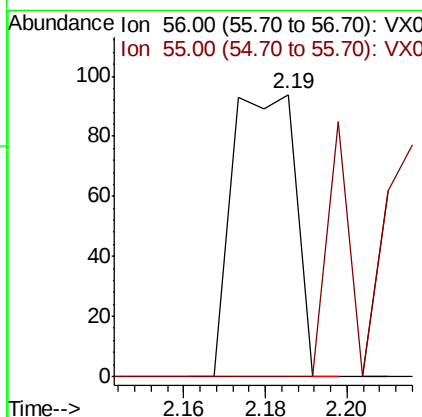
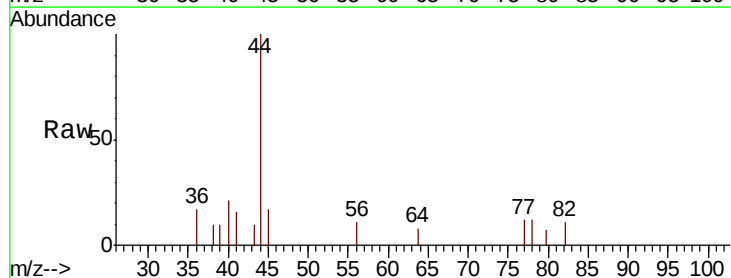
Tot Ion: 59 Resp: 4048
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

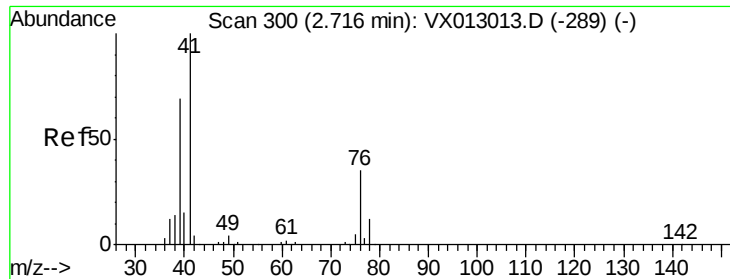


#13

Acrolein
 Concen: 0.250 ug/l
 RT: 2.19 min Scan# 213
 Delta R.T. -0.10 min
 Lab File: VX013021.D
 Acq: 11 Oct 2019 17:07

Tgt Ion: 56 Resp: 101
 Ion Ratio Lower Upper
 56 100
 55 30.7 56.6 85.0#

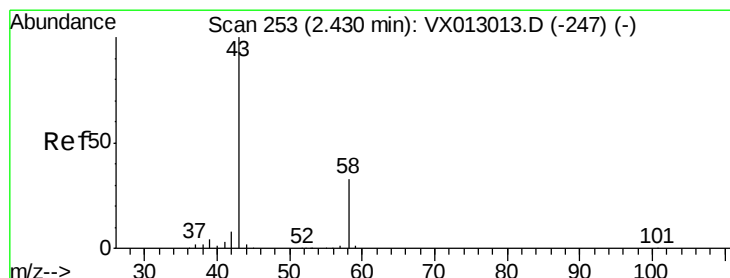
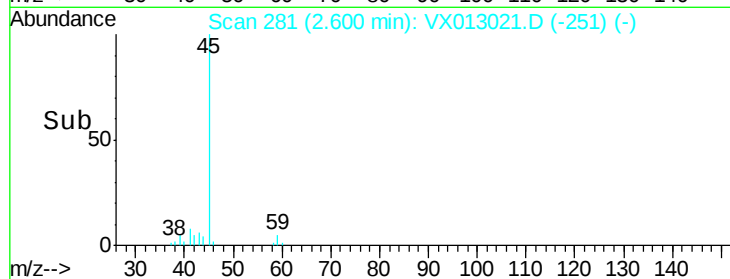
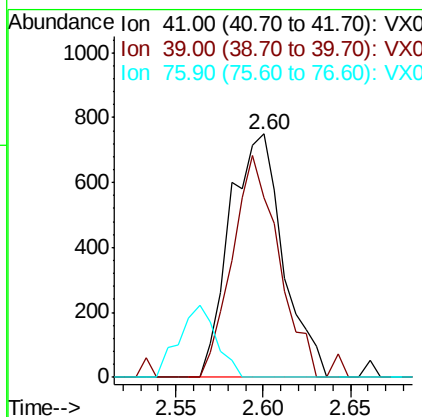
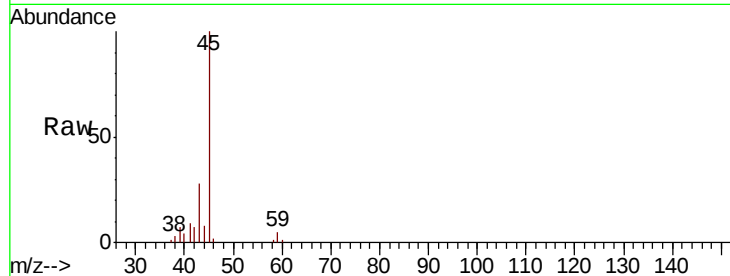




#14
Allvl chloride
Concen: 0.514 ug/l
RT: 2.60 min Scan# 281
Delta R.T. -0.12 min
Lab File: VX013021.D
Acq: 11 Oct 2019 17:07

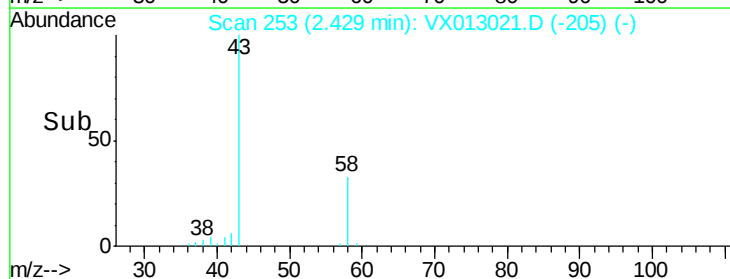
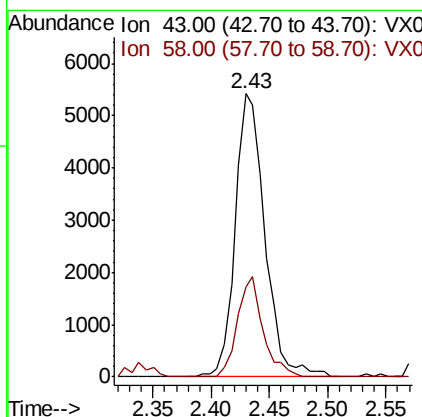
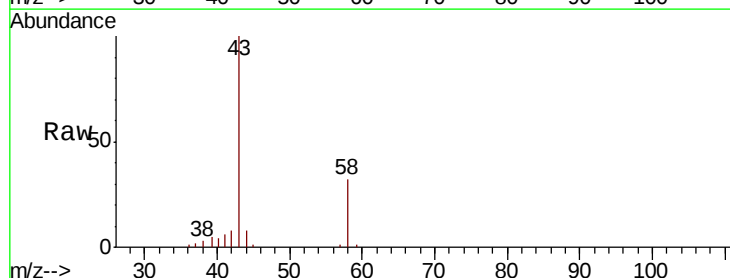
Instrument :
MSVOA_X
ClientSampleId :
S49-0556

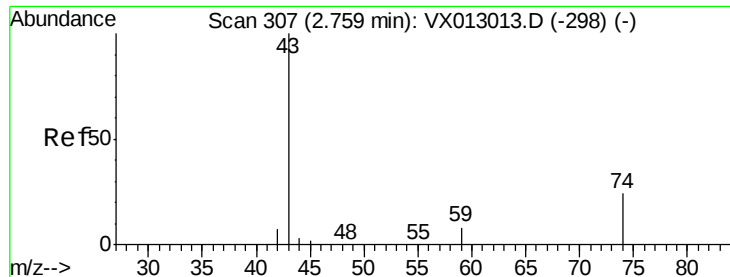
Tot Ion: 41 Resp: 1586
Ion Ratio Lower Upper
41 100
39 79.4 51.0 76.6#
76 0.0 26.2 39.4#



#16
Acetone
Concen: 8.521 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX013021.D
Acq: 11 Oct 2019 17:07

Tgt Ion: 43 Resp: 9618
Ion Ratio Lower Upper
43 100
58 31.9 25.4 38.2





#18

Methvl Acetate

Concen: 1.874 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX013021.D

Acq: 11 Oct 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

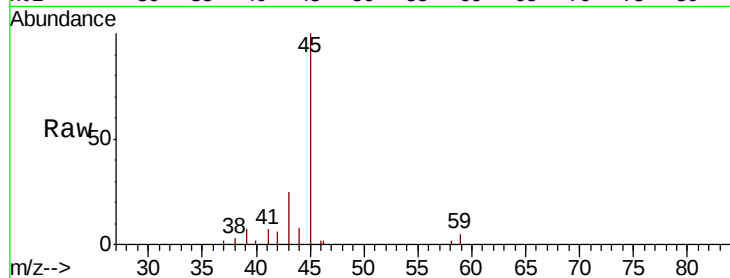
S49-0556

Tot Ion: 43 Resp: 5013

Ion Ratio Lower Upper

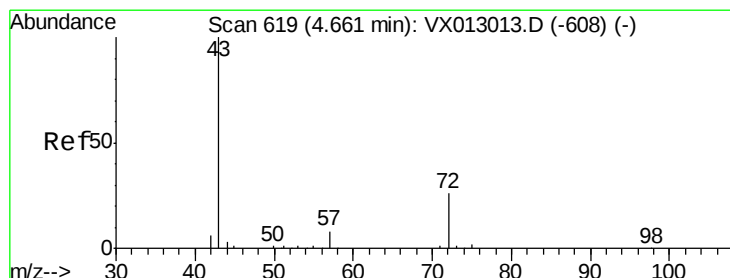
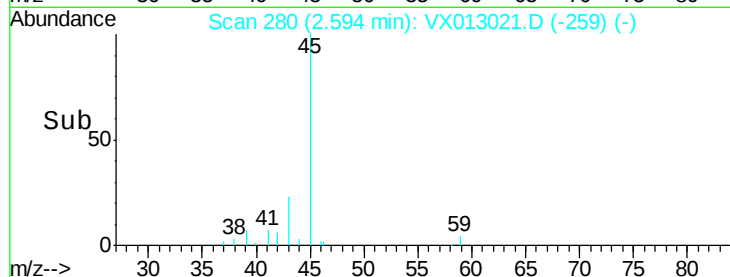
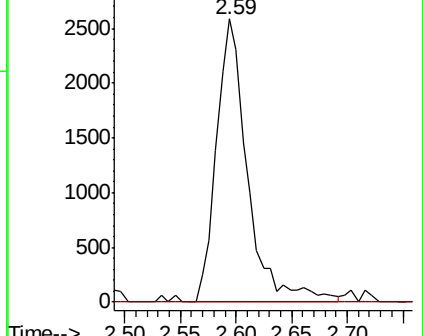
43 100

74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#25

2-Butanone

Concen: 0.913 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX013021.D

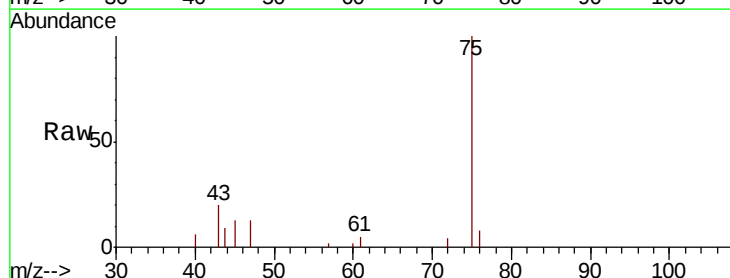
Acq: 11 Oct 2019 17:07

Tgt Ion: 43 Resp: 1429

Ion Ratio Lower Upper

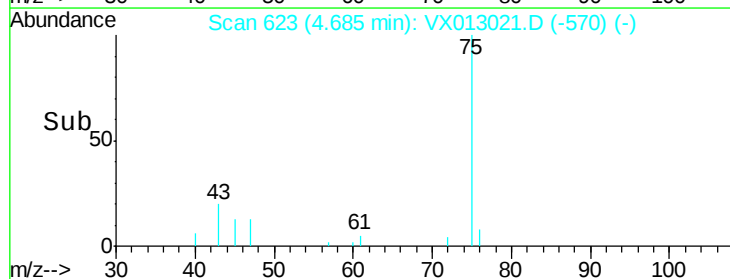
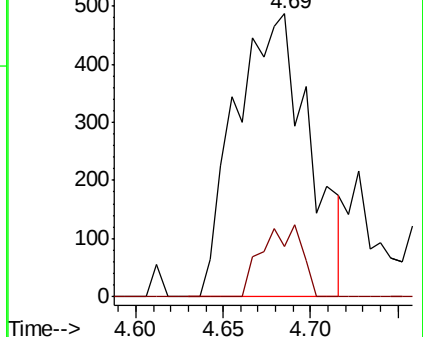
43 100

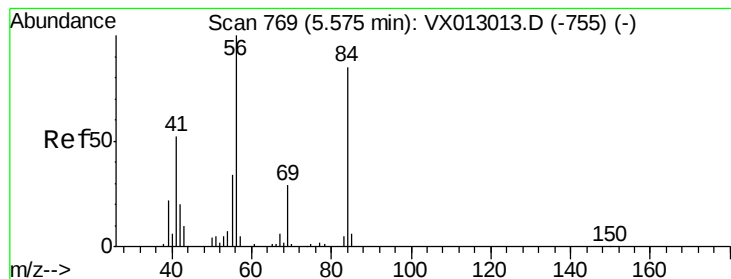
72 17.9 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.132 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX013021.D

Acq: 11 Oct 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

S49-0556

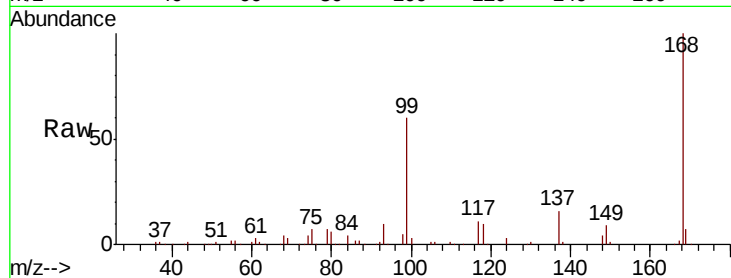
Tot Ion: 56 Resp: 3518

Ion Ratio Lower Upper

56 100

69 150.1 25.2 37.8#

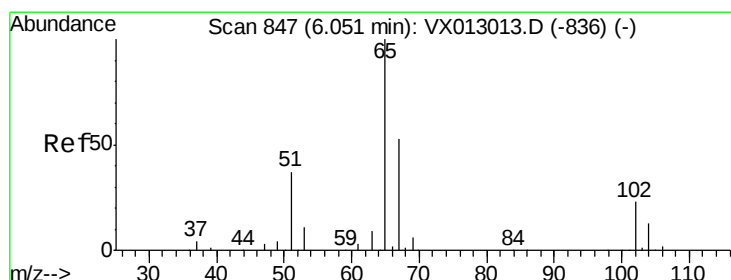
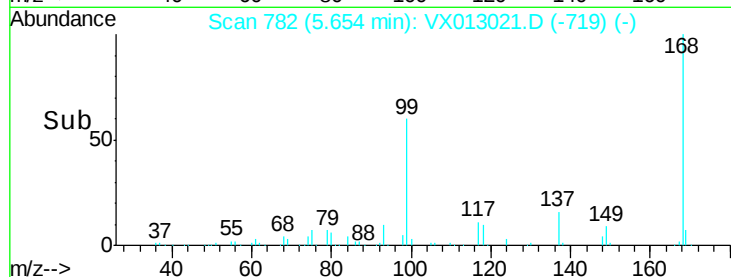
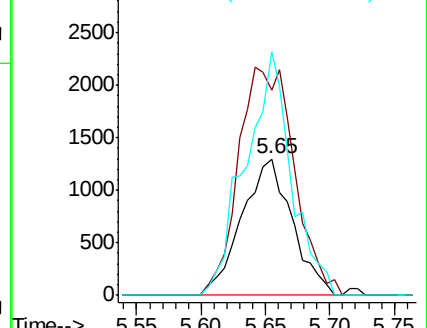
84 178.6 71.3 106.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.848 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013021.D

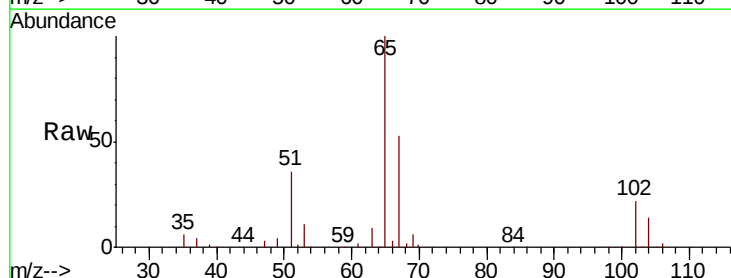
Acq: 11 Oct 2019 17:07

Tgt Ion: 65 Resp: 108888

Ion Ratio Lower Upper

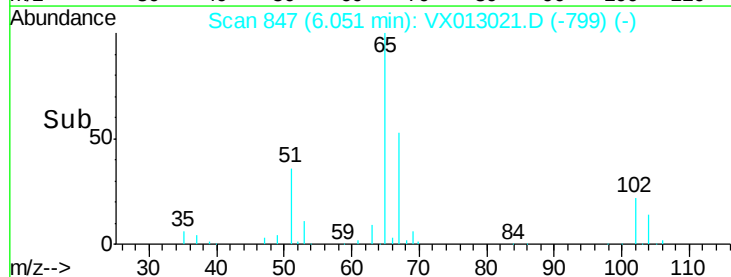
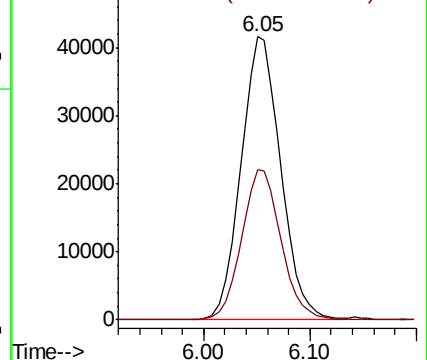
65 100

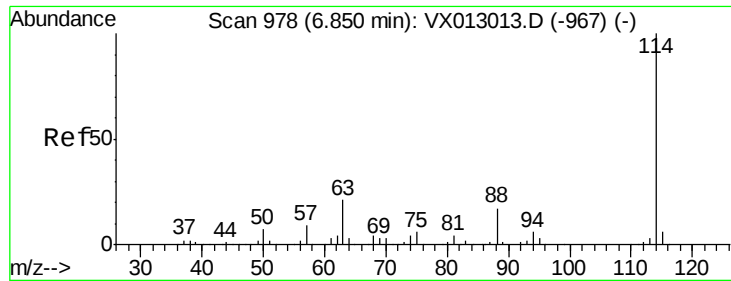
67 52.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

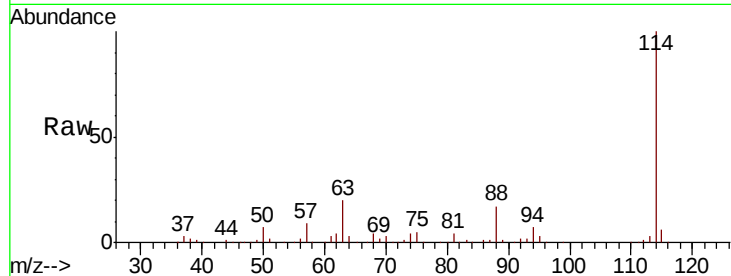




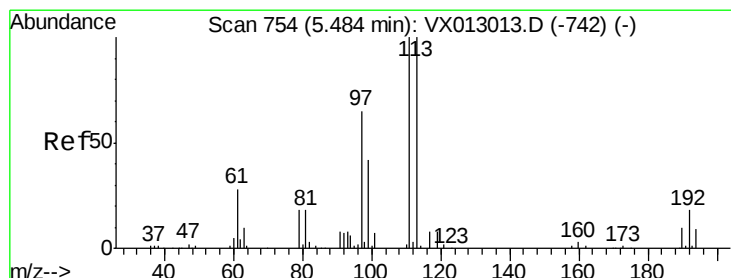
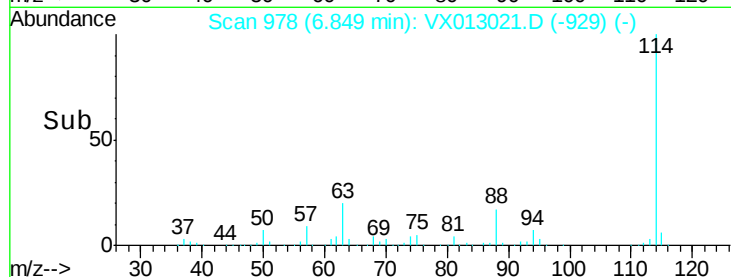
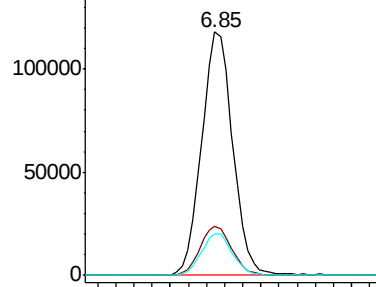
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013021.D
Acq: 11 Oct 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
S49-0556

Tot Ion:114 Resp: 281570
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 17.0 0.0 33.8

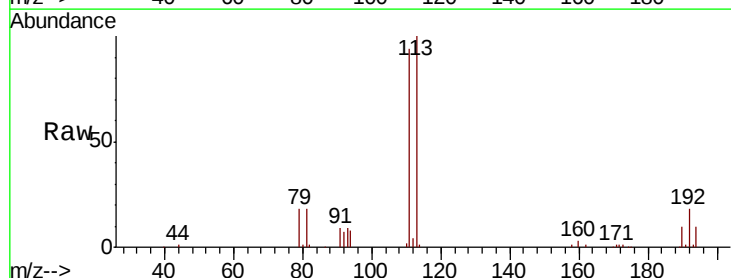


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

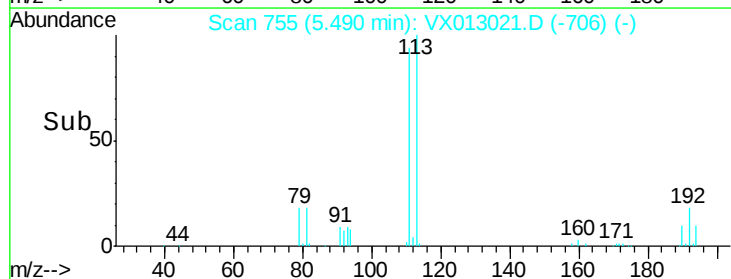
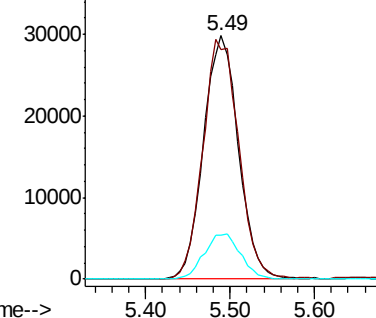


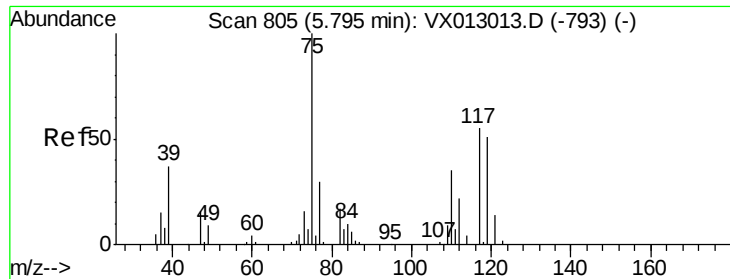
#35
Dibromofluoromethane
Concen: 51.925 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013021.D
Acq: 11 Oct 2019 17:07

Tgt Ion:113 Resp: 83914
Ion Ratio Lower Upper
113 100
111 100.7 83.2 124.8
192 19.1 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

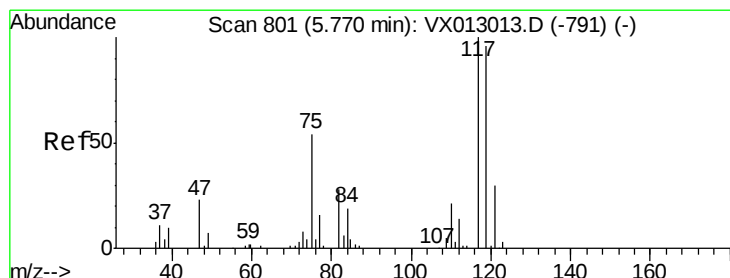
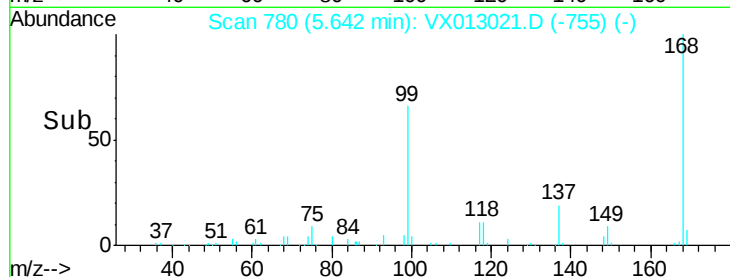
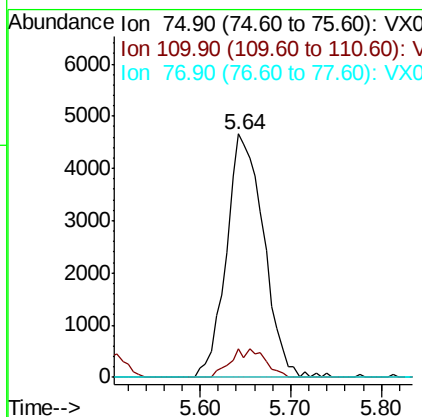
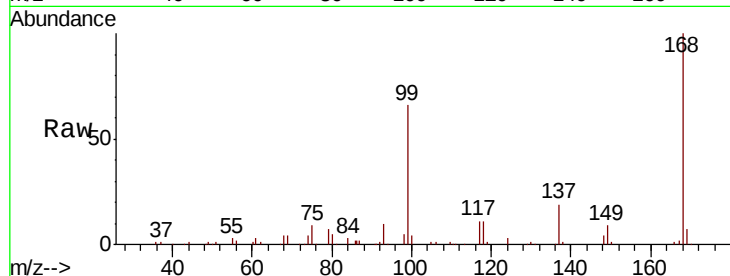




#36
 1,1-Dichloropropene
 Concen: 5.347 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013021.D
 Acq: 11 Oct 2019 17:07

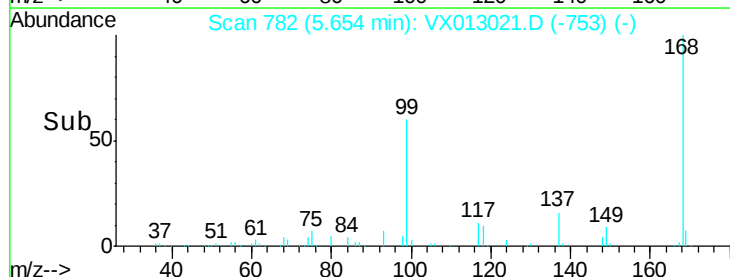
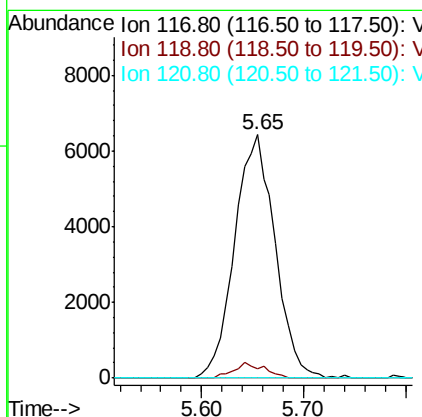
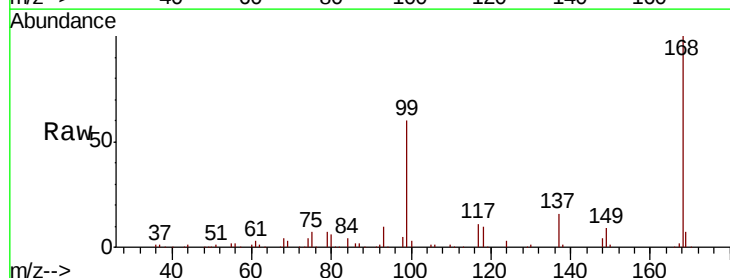
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0556

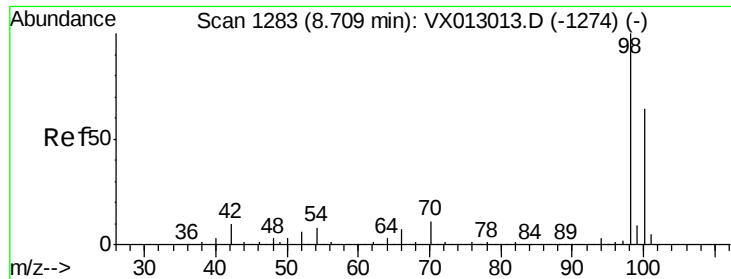
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.6	52.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 7.315 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX013021.D
 Acq: 11 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	74.5	111.7#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 51.598 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013021.D

Acq: 11 Oct 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

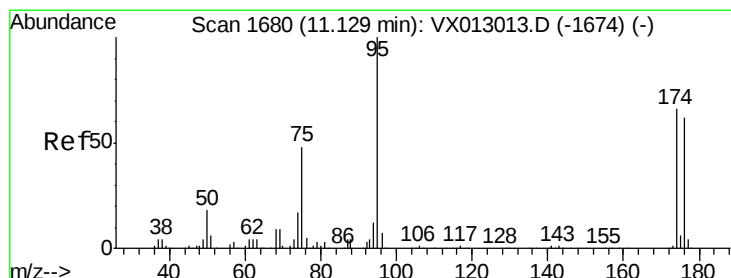
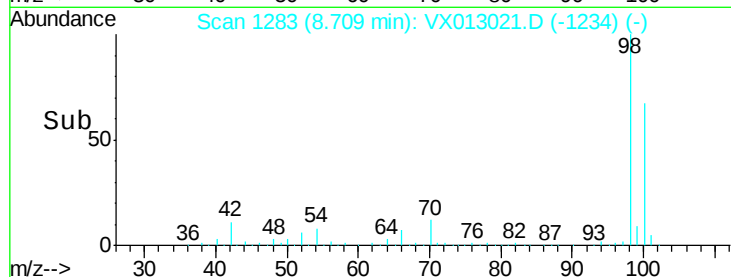
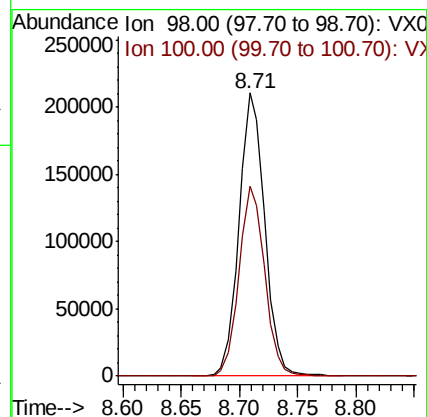
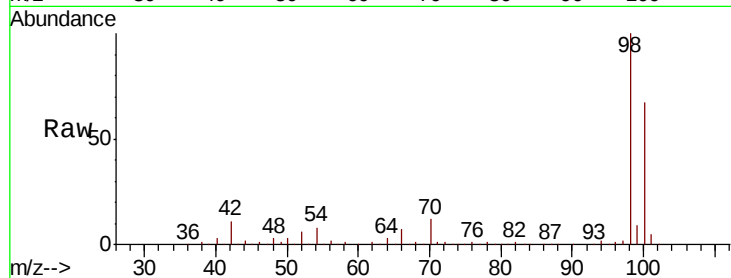
S49-0556

Tot Ion: 98 Resp: 325224

Ion Ratio Lower Upper

98 100

100 67.1 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 44.028 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013021.D

Acq: 11 Oct 2019 17:07

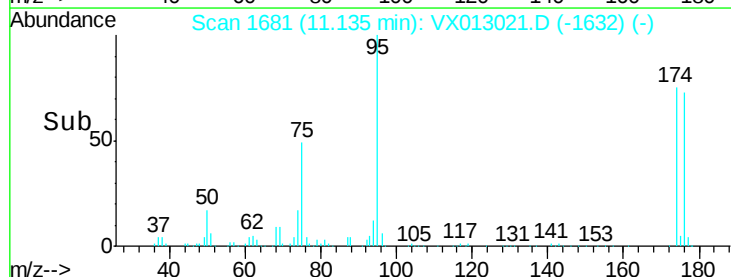
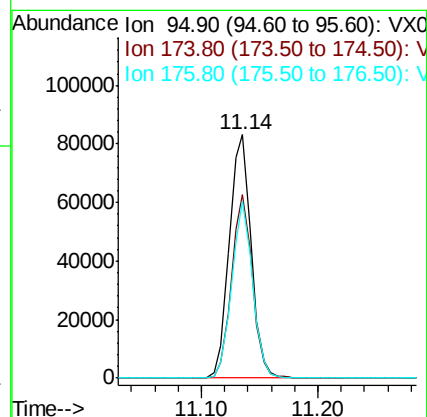
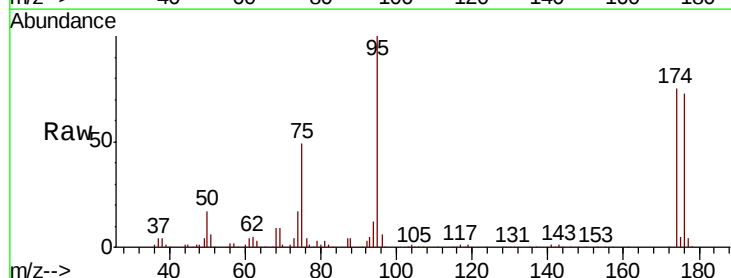
Tgt Ion: 95 Resp: 107829

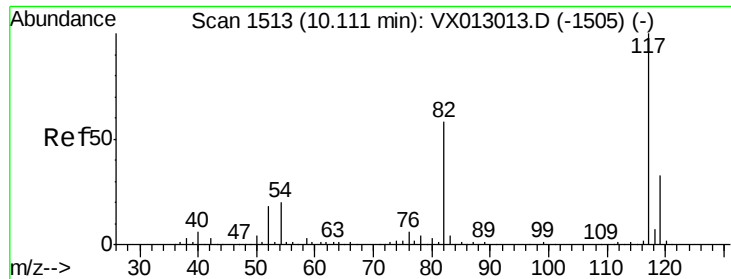
Ion Ratio Lower Upper

95 100

174 72.4 0.0 143.4

176 69.7 0.0 136.0

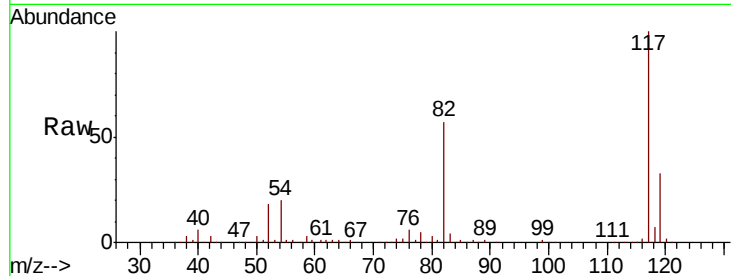




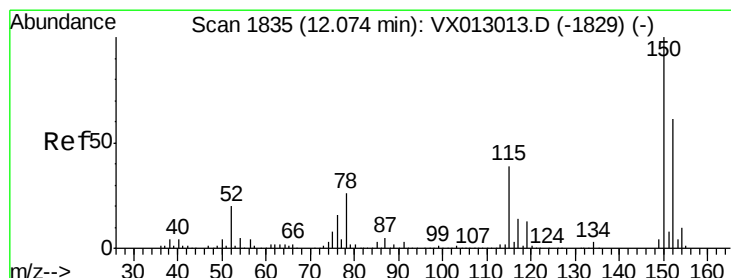
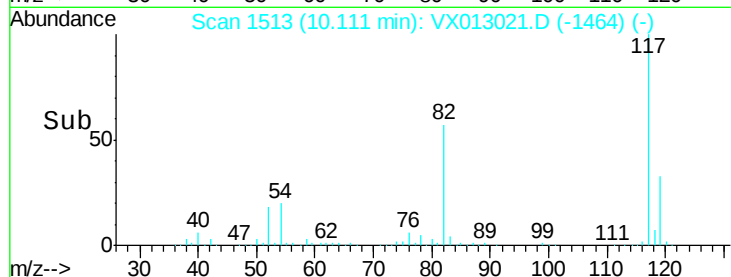
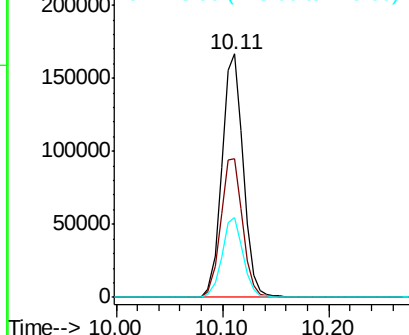
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013021.D
Acq: 11 Oct 2019 17:07

Instrument :
MSVOA_X
ClientSampled :
S49-0556

Tot Ion:117 Resp: 233026
Ion Ratio Lower Upper
117 100
82 57.0 44.1 66.1
119 32.6 25.8 38.8

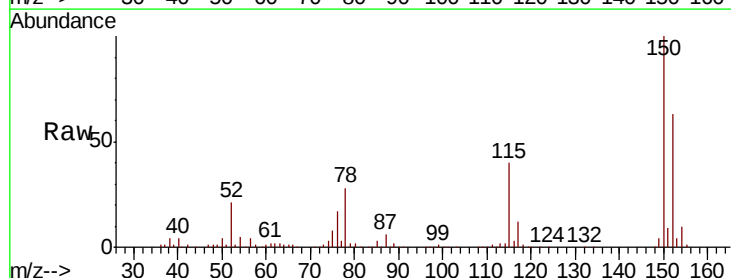


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

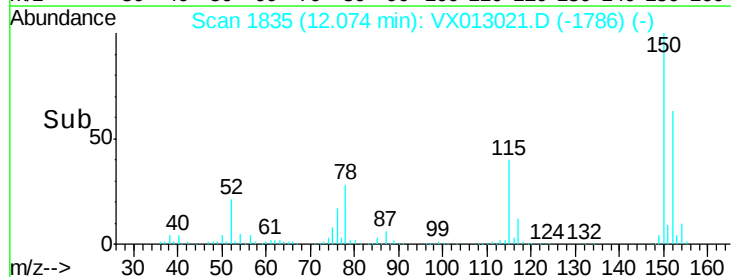
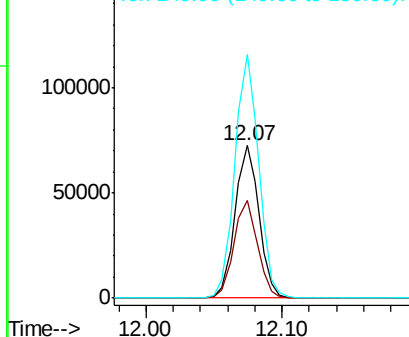


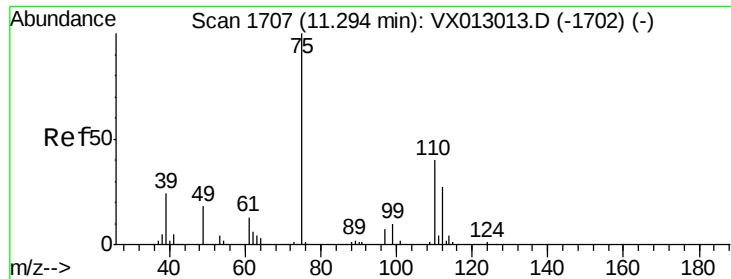
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013021.D
Acq: 11 Oct 2019 17:07

Tgt Ion:152 Resp: 88614
Ion Ratio Lower Upper
152 100
115 63.5 44.5 133.5
150 158.9 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: 27.171 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013021.D

Acq: 11 Oct 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

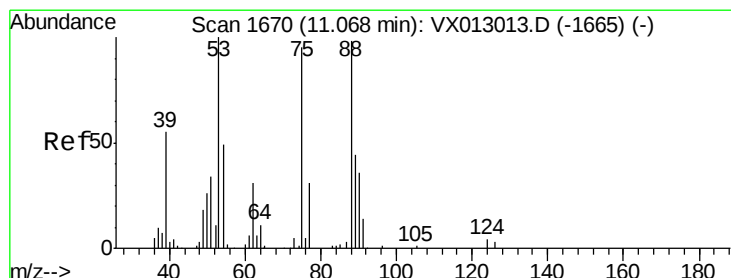
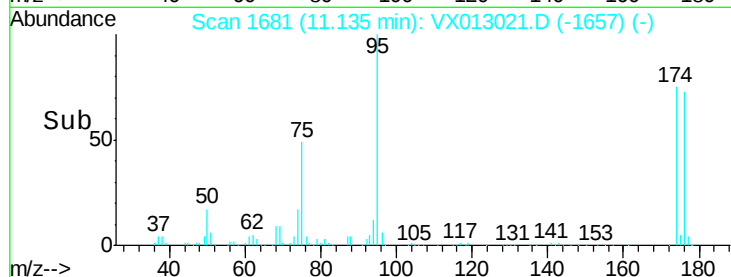
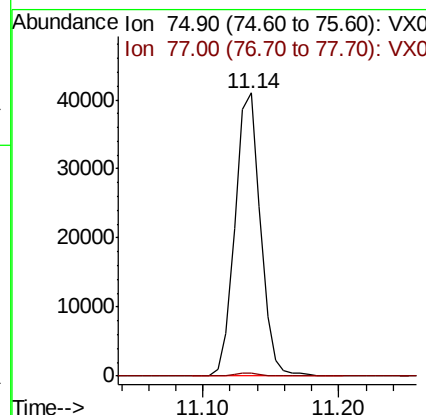
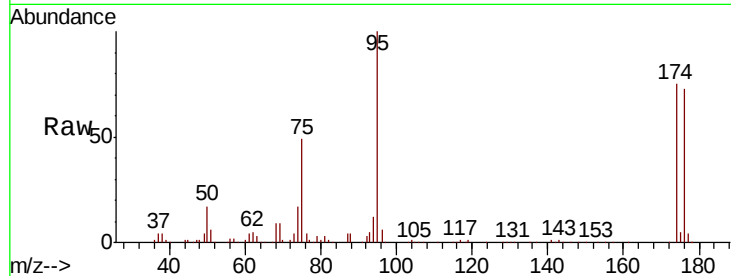
S49-0556

Tot Ion: 75 Resp: 53404

Ion Ratio Lower Upper

75 100

77 1.1 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.248 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013021.D

Acq: 11 Oct 2019 17:07

Tgt Ion: 75 Resp: 53404

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

