

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012923.D
 Acq On : 09 Oct 2019 05:28
 Operator : JC/SP
 Sample : K5216-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0542

Quant Time: Oct 09 05:59:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104519	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	117441	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	5.49	113	89991	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	8.71	98	353676	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.14	95	123608	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	

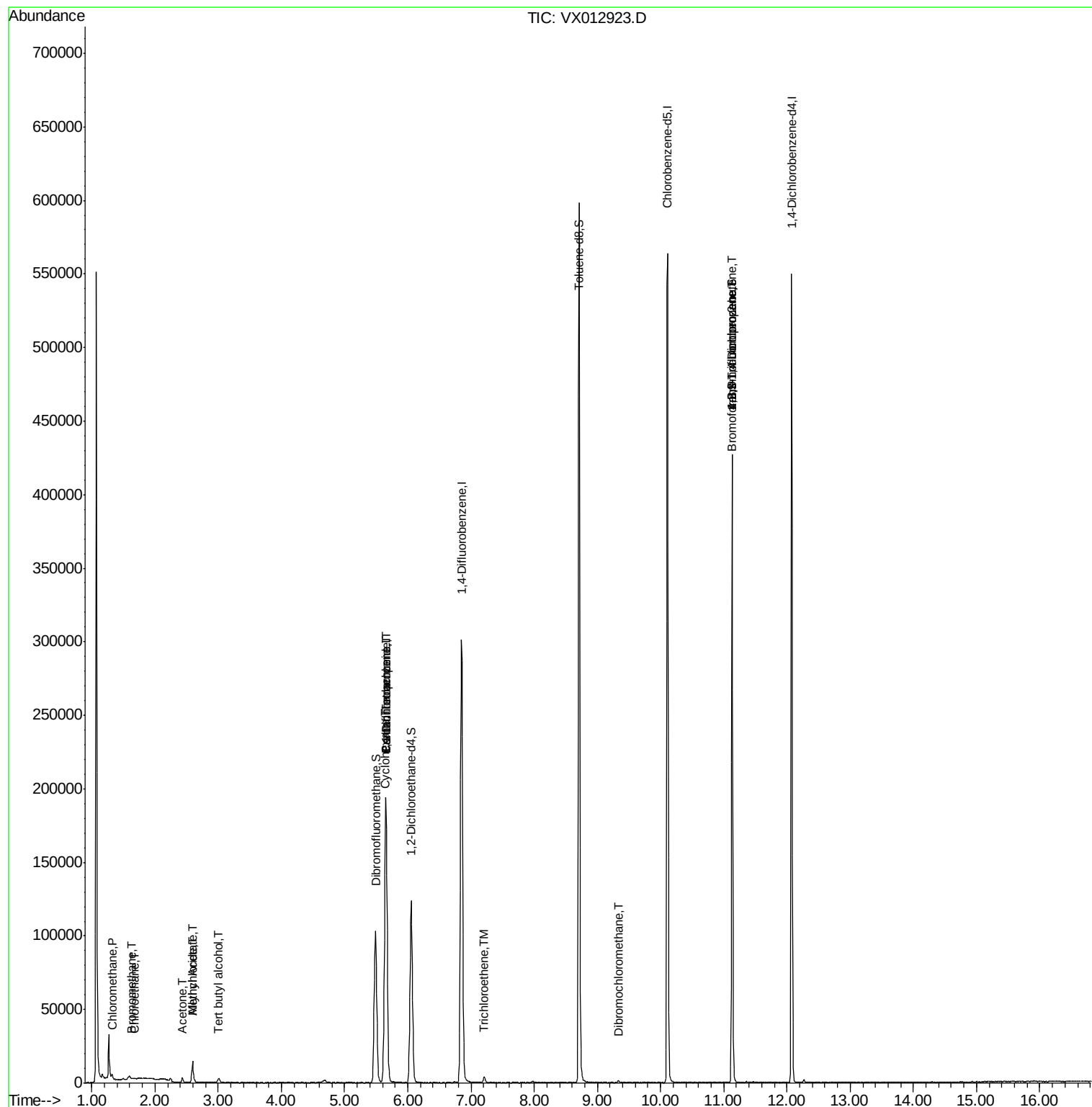
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1477	0.742	ug/l	92
5) Bromomethane	1.64	94	194	0.227	ug/l #	66
6) Chloroethane	1.68	64	572	0.820	ug/l #	43
11) Tert butyl alcohol	3.01	59	2083	3.503	ug/l #	72
14) Allyl chloride	2.59	41	1523	0.472	ug/l #	66
16) Acetone	2.44	43	3404	2.879	ug/l	95
18) Methyl Acetate	2.59	43	4217	1.505	ug/l #	51
31) Cyclohexane	5.64	56	3857	1.185	ug/l #	22
36) 1,1-Dichloropropene	5.65	75	14867	5.535	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18417	7.045	ug/l #	16
44) Trichloroethene	7.22	130	1691	0.769	ug/l	86
60) Dibromochloromethane	9.33	129	117	1.907	ug/l #	10
71) Bromoform	11.12	173	155	3.228	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	62218	26.839	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	62218	67.462	ug/l #	10

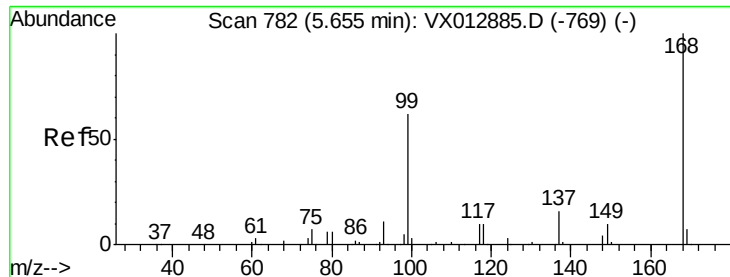
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 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: VX012923.D

Acq: 09 Oct 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

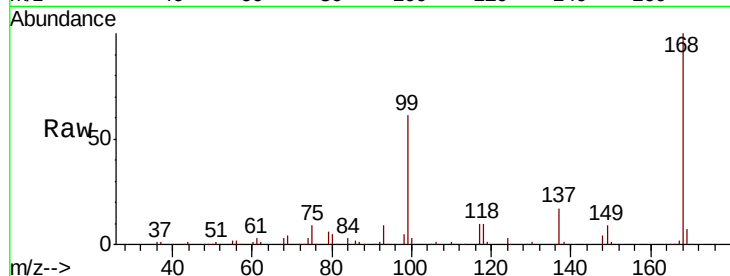
S49-0542

Tot Ion:168 Resp: 179466

Ion Ratio Lower Upper

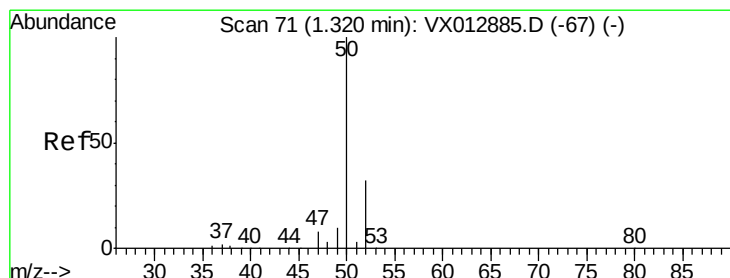
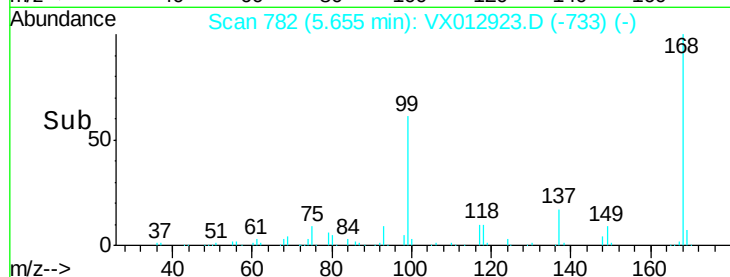
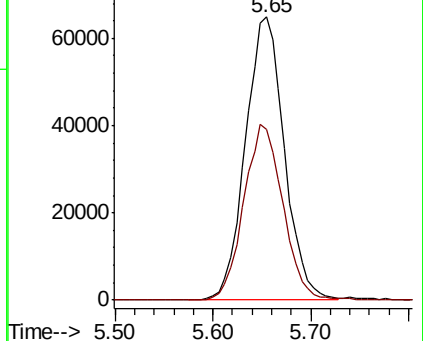
168 100

99 60.5 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: 0.742 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012923.D

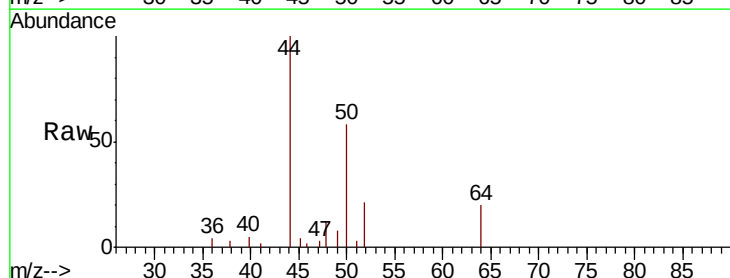
Acq: 09 Oct 2019 05:28

Tgt Ion: 50 Resp: 1477

Ion Ratio Lower Upper

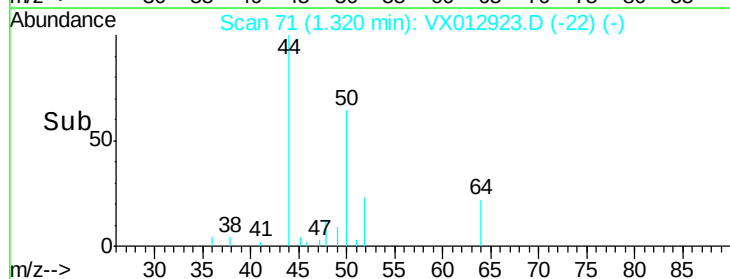
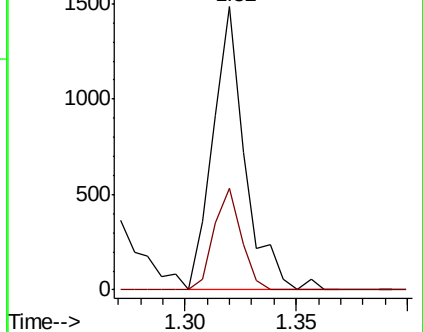
50 100

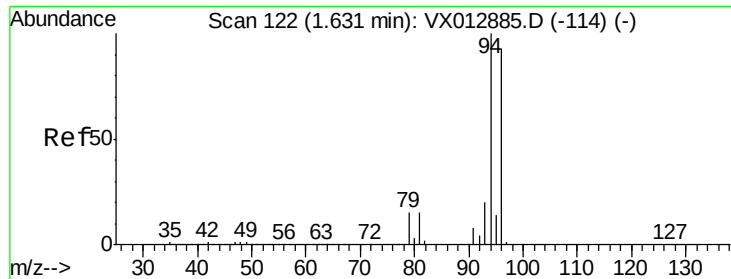
52 35.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.227 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012923.D

Acq: 09 Oct 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

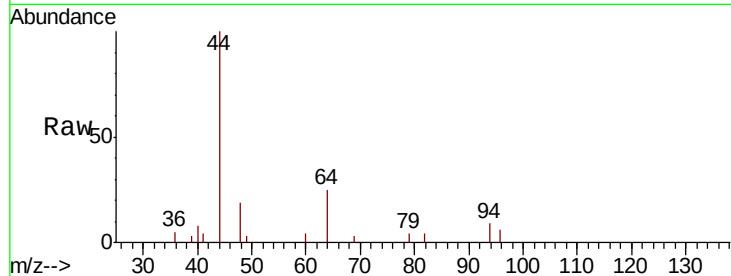
S49-0542

Tot Ion: 94 Resp: 194

Ion Ratio Lower Upper

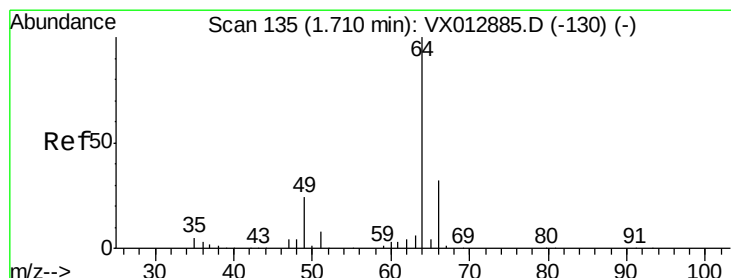
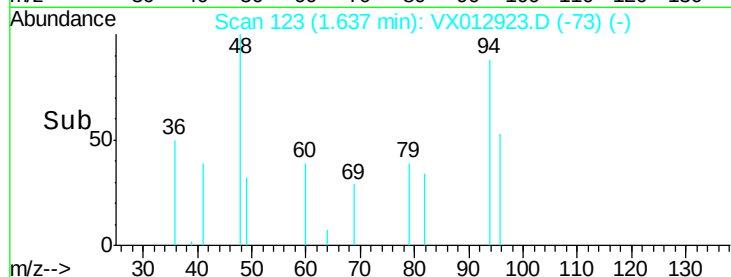
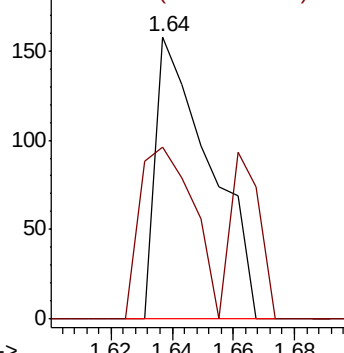
94 100

96 60.8 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: 0.820 ug/l

RT: 1.68 min Scan# 130

Delta R.T. -0.03 min

Lab File: VX012923.D

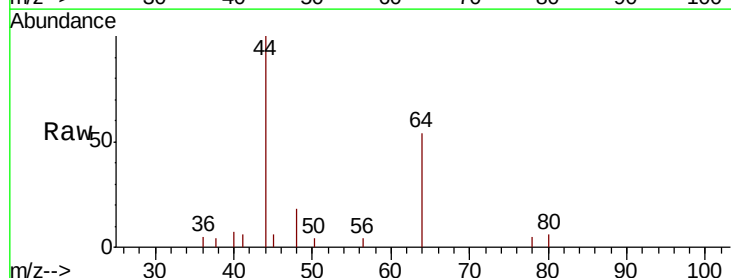
Acq: 09 Oct 2019 05:28

Tgt Ion: 64 Resp: 572

Ion Ratio Lower Upper

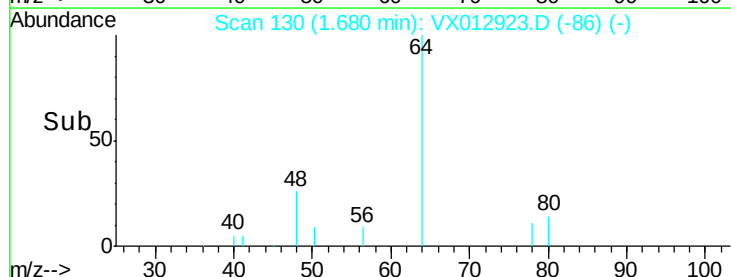
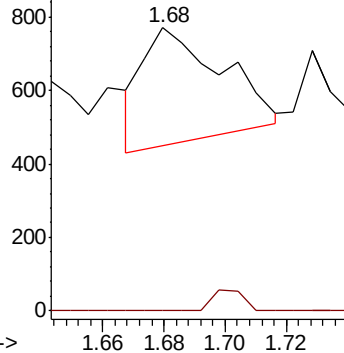
64 100

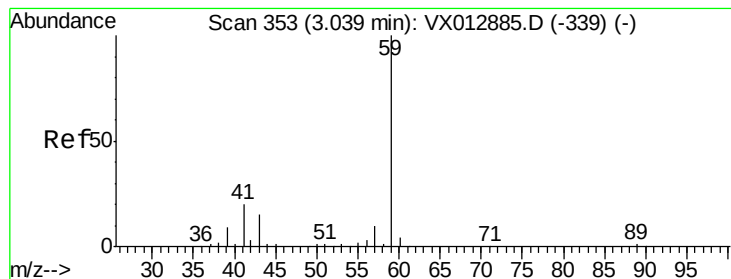
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



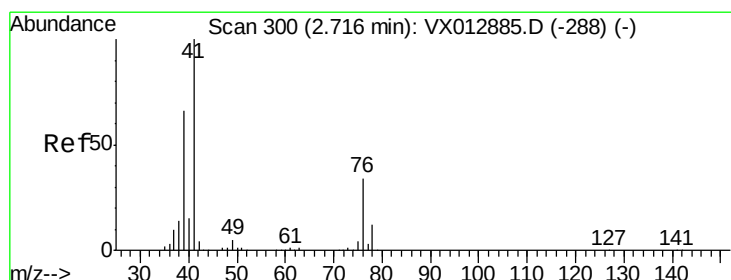
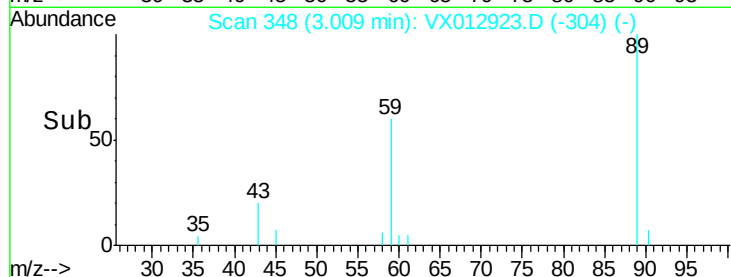
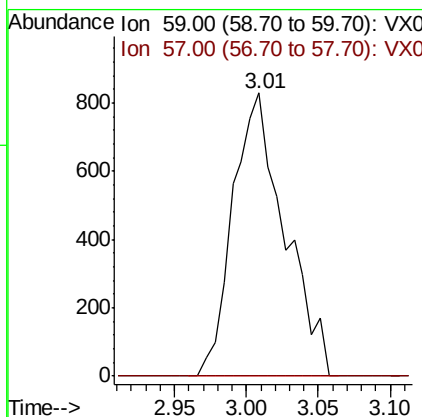
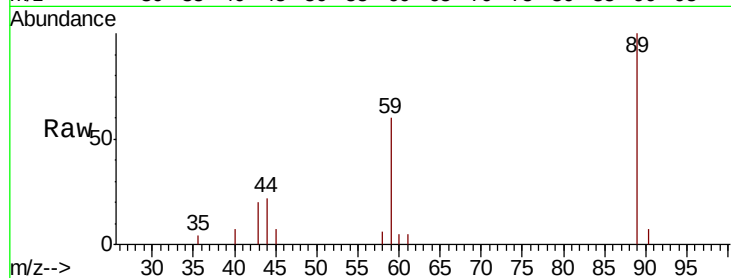


#11

Tert butyl alcohol
 Concen: 3.503 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012923.D
 Acq: 09 Oct 2019 05:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0542

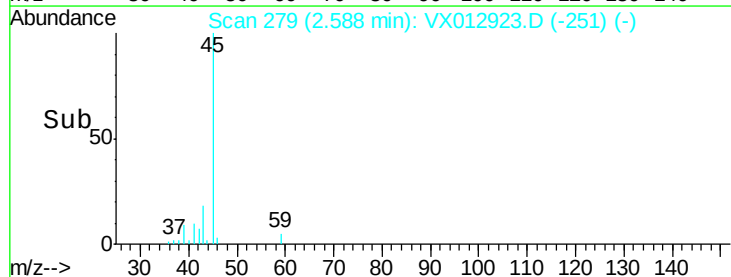
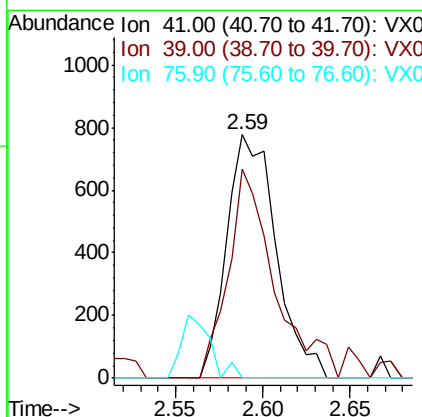
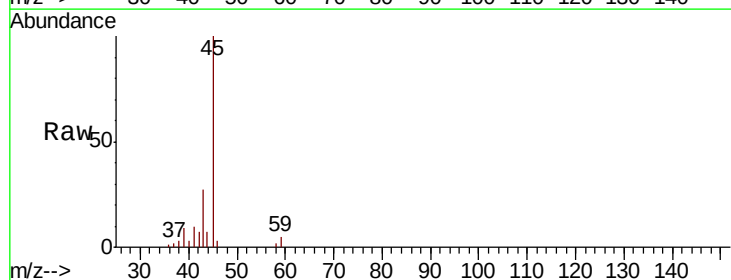
Tot Ion: 59 Resp: 2083
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

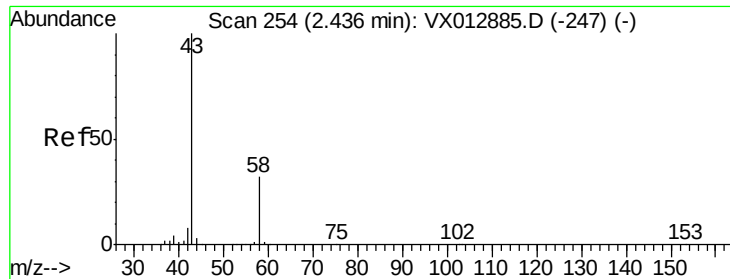


#14

Allyl chloride
 Concen: 0.472 ug/l
 RT: 2.59 min Scan# 279
 Delta R.T. -0.13 min
 Lab File: VX012923.D
 Acq: 09 Oct 2019 05:28

Tgt Ion: 41 Resp: 1523
 Ion Ratio Lower Upper
 41 100
 39 80.9 51.0 76.6#
 76 0.0 26.2 39.4#





#16

Acetone

Concen: 2.879 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012923.D

Acq: 09 Oct 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

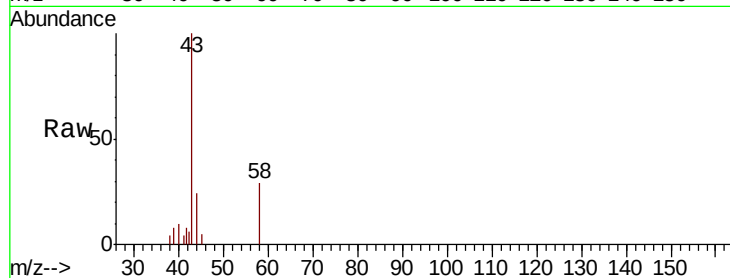
S49-0542

Tot Ion: 43 Resp: 3404

Ion Ratio Lower Upper

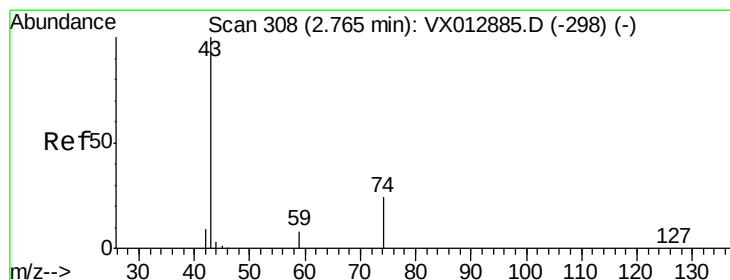
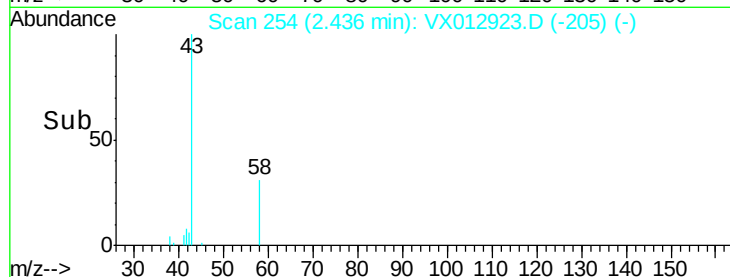
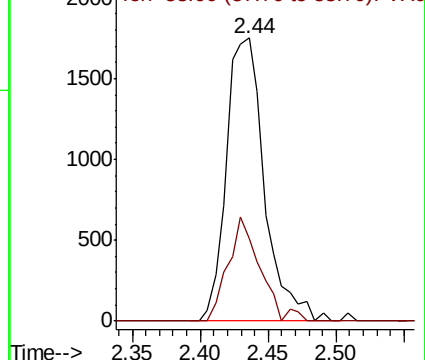
43 100

58 29.2 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.505 ug/l

RT: 2.59 min Scan# 279

Delta R.T. -0.18 min

Lab File: VX012923.D

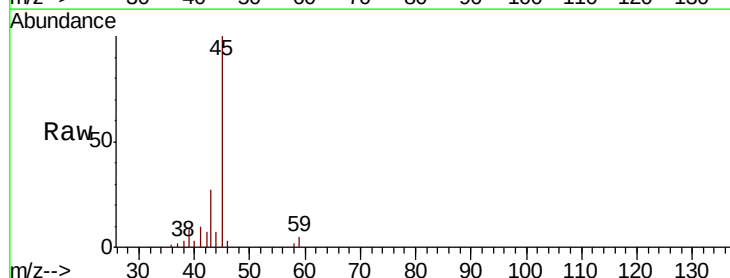
Acq: 09 Oct 2019 05:28

Tgt Ion: 43 Resp: 4217

Ion Ratio Lower Upper

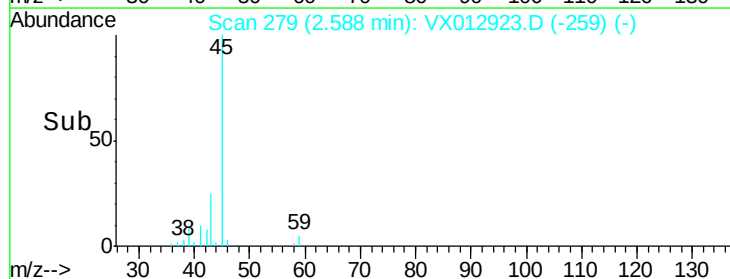
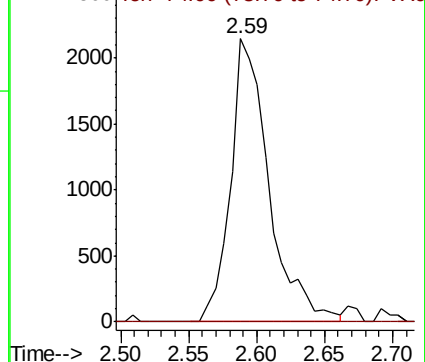
43 100

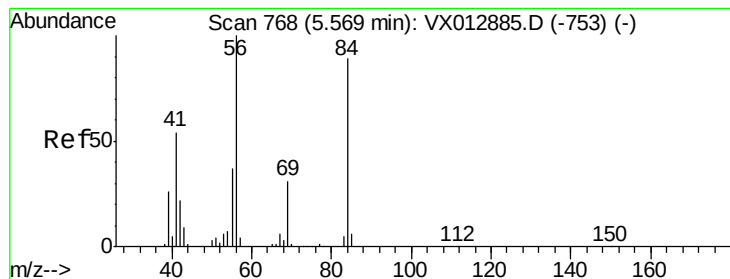
74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#31

Cyclohexane

Concen: 1.185 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.07 min

Lab File: VX012923.D

Acq: 09 Oct 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

S49-0542

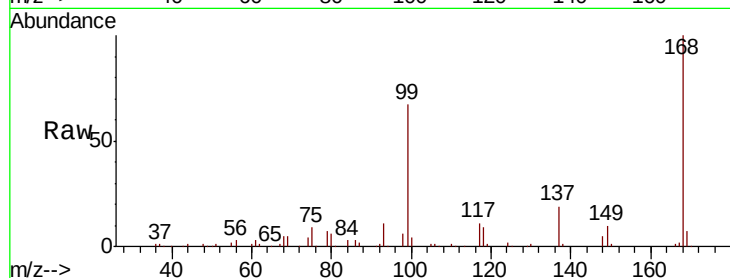
Tot Ion: 56 Resp: 3857

Ion Ratio Lower Upper

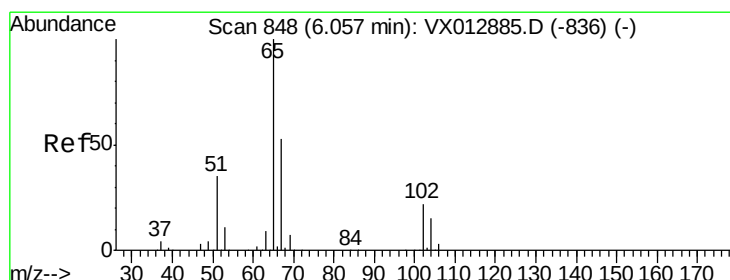
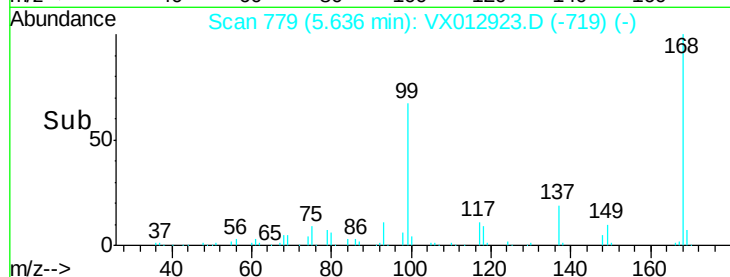
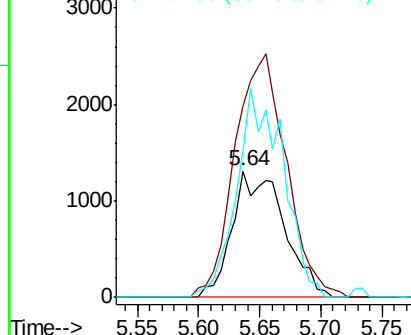
56 100

69 151.4 25.2 37.8#

84 116.2 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: 52.357 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012923.D

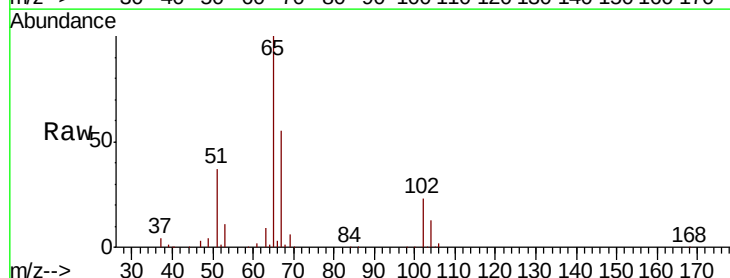
Acq: 09 Oct 2019 05:28

Tgt Ion: 65 Resp: 117441

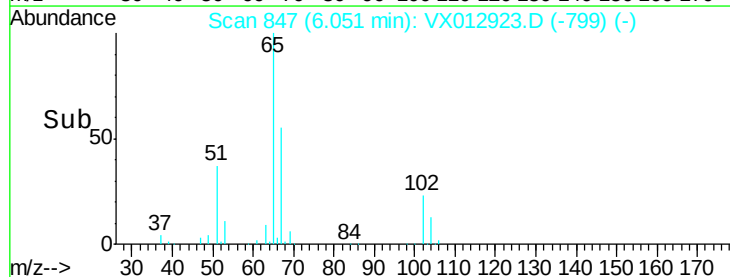
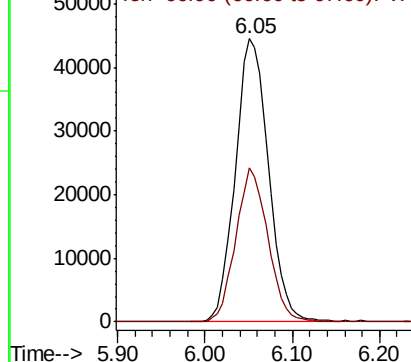
Ion Ratio Lower Upper

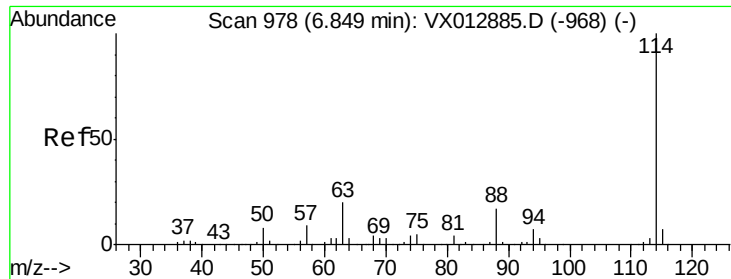
65 100

67 52.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

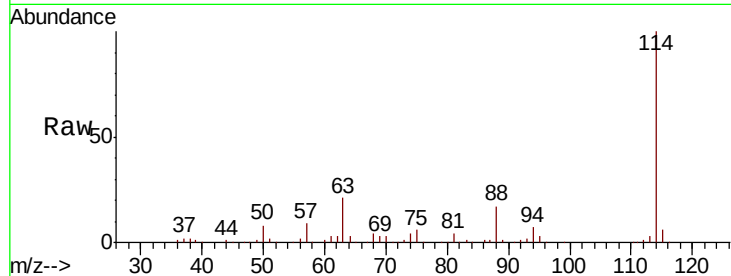




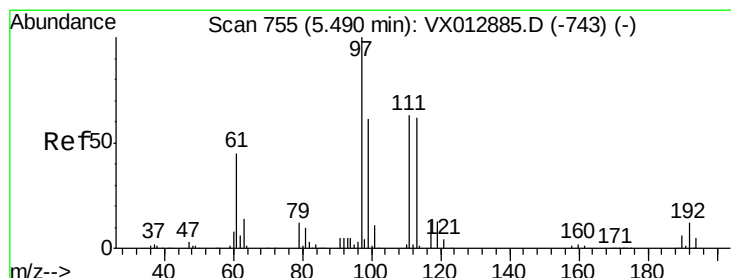
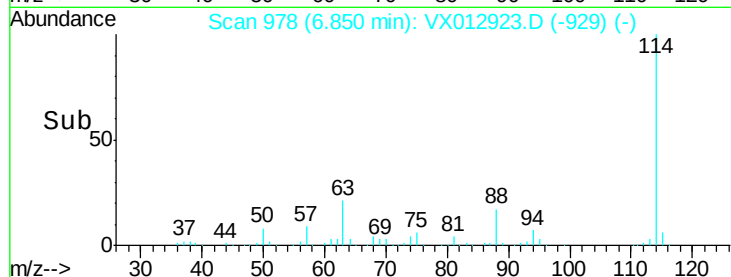
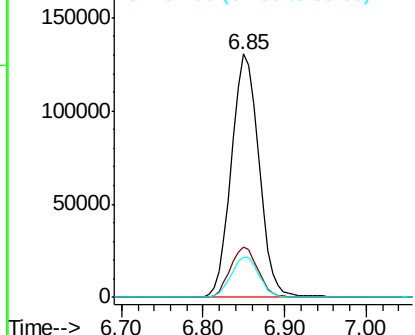
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012923.D
 Acq: 09 Oct 2019 05:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0542

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	16.6	0.0	33.8

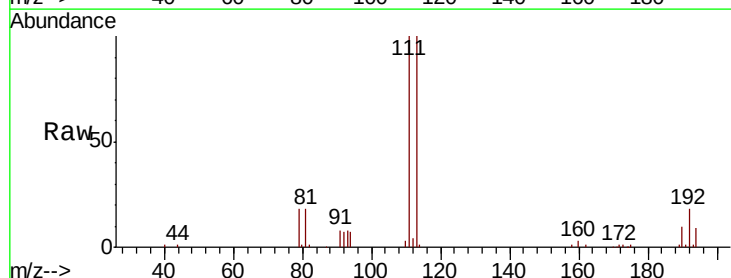


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

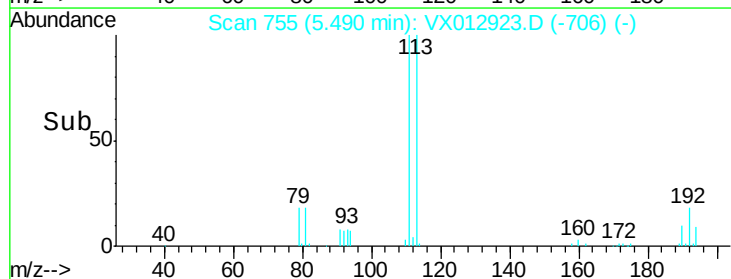
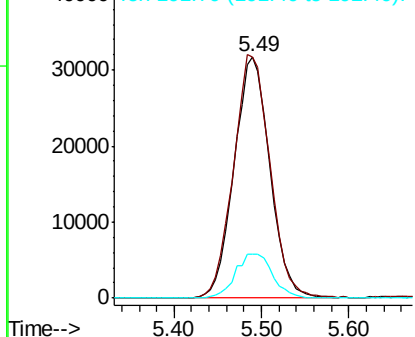


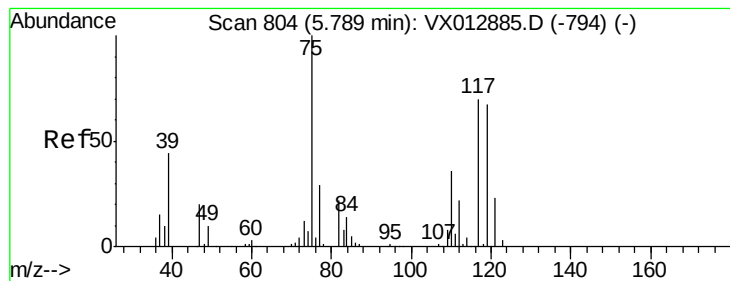
#35
 Dibromofluoromethane
 Concen: 51.326 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012923.D
 Acq: 09 Oct 2019 05:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	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: 5.535 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012923.D

Acq: 09 Oct 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

S49-0542

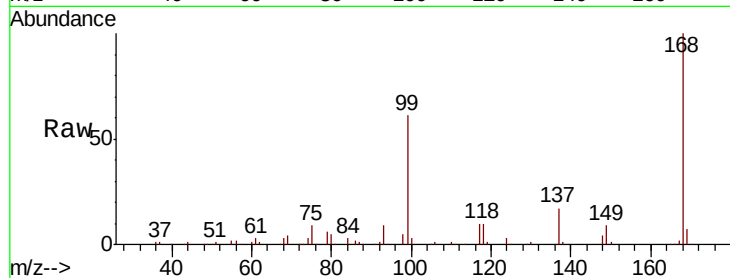
Tot Ion: 75 Resp: 14867

Ion Ratio Lower Upper

75 100

110 8.1 17.6 52.9#

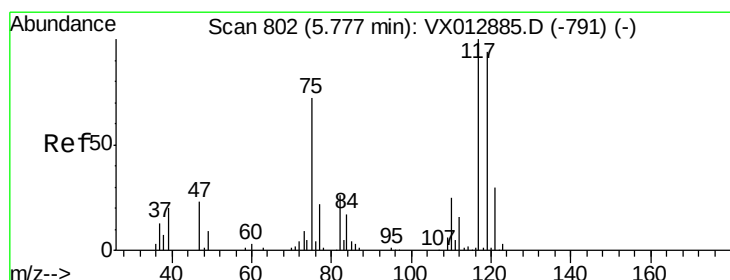
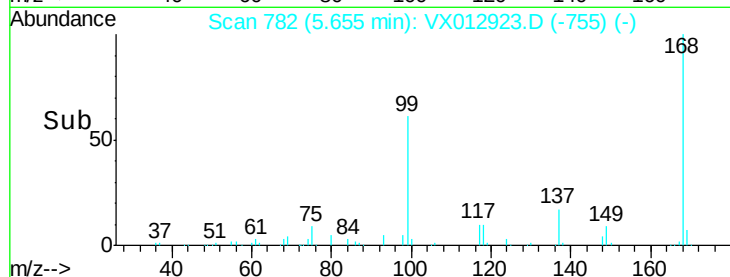
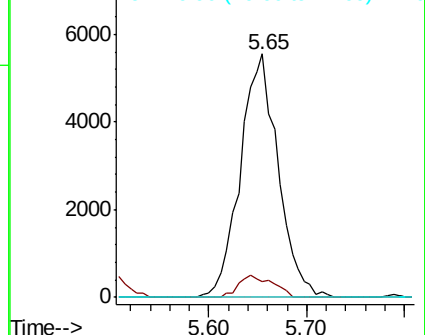
77 0.0 24.4 36.6#



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: 7.045 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012923.D

Acq: 09 Oct 2019 05:28

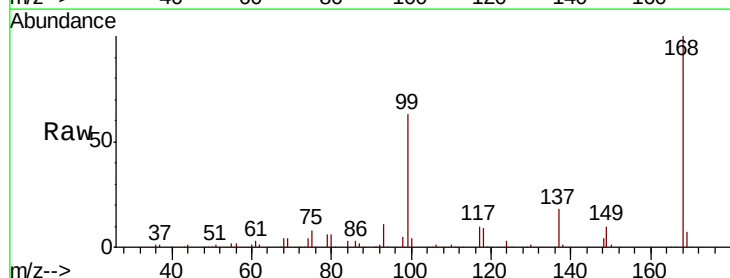
Tgt Ion: 117 Resp: 18417

Ion Ratio Lower Upper

117 100

119 3.2 74.5 111.7#

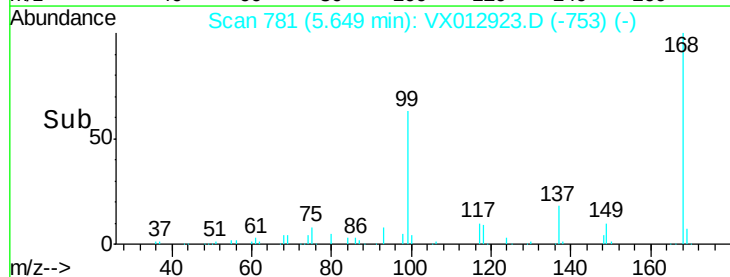
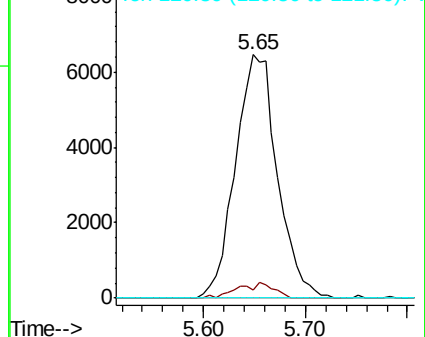
121 0.0 24.2 36.4#

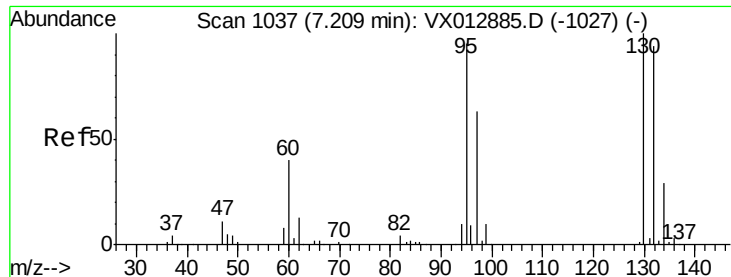


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.769 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012923.D

Acq: 09 Oct 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

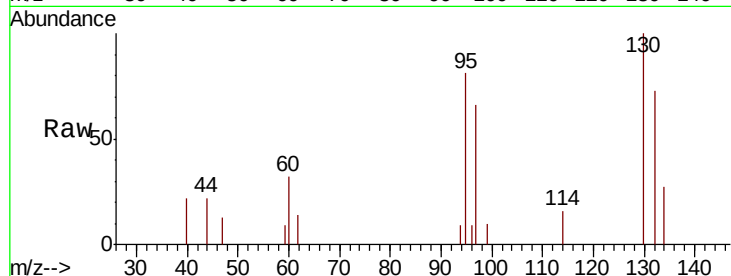
S49-0542

Tot Ion:130 Resp: 1691

Ion Ratio Lower Upper

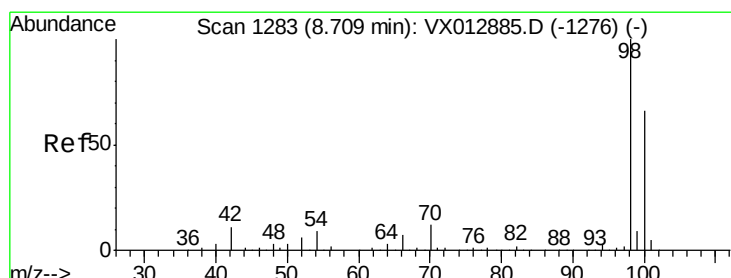
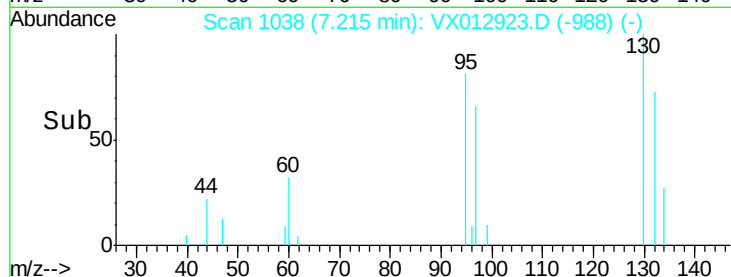
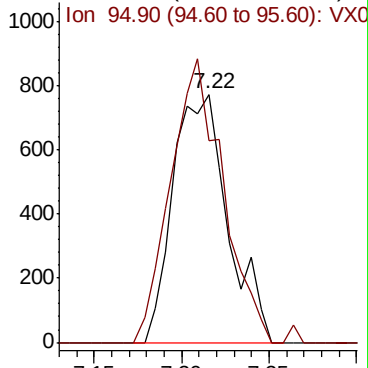
130 100

95 81.2 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.719 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012923.D

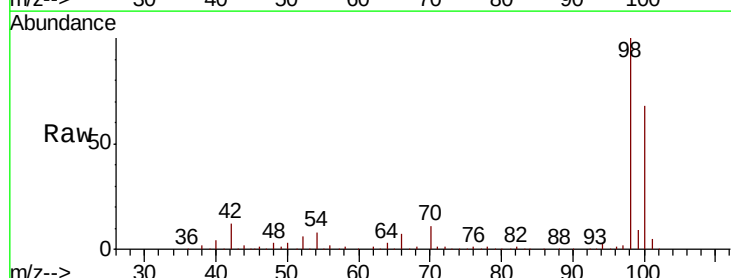
Acq: 09 Oct 2019 05:28

Tgt Ion: 98 Resp: 353676

Ion Ratio Lower Upper

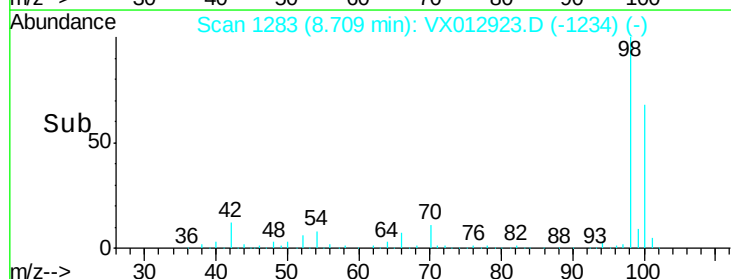
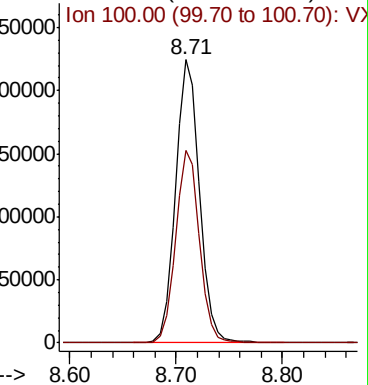
98 100

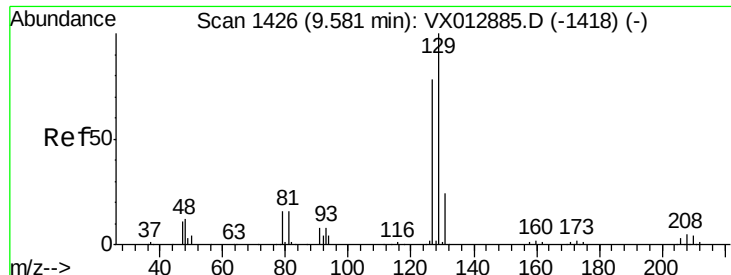
100 67.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 1.907 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012923.D

Acq: 09 Oct 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

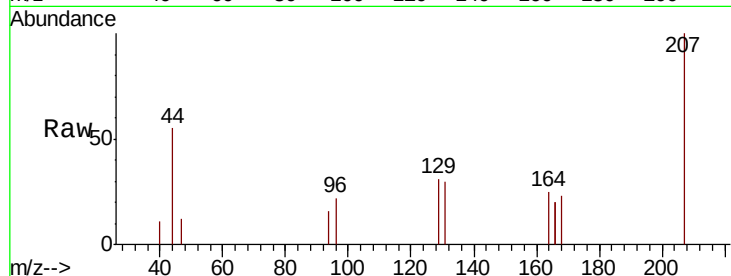
S49-0542

Tot Ion:129 Resp: 117

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

150

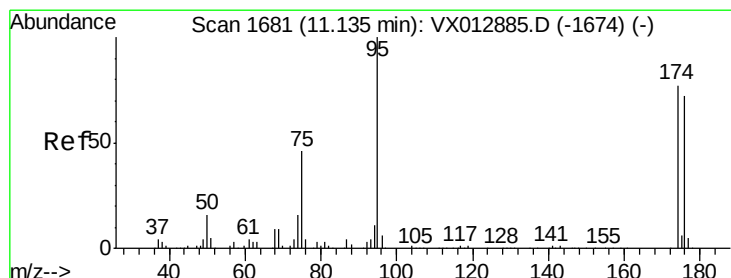
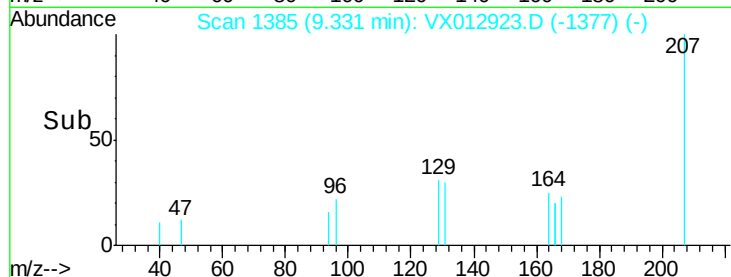
100

50

0

9.30 9.32 9.34 9.36

Time-->



#62

4-Bromofluorobenzene

Concen: 46.520 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012923.D

Acq: 09 Oct 2019 05:28

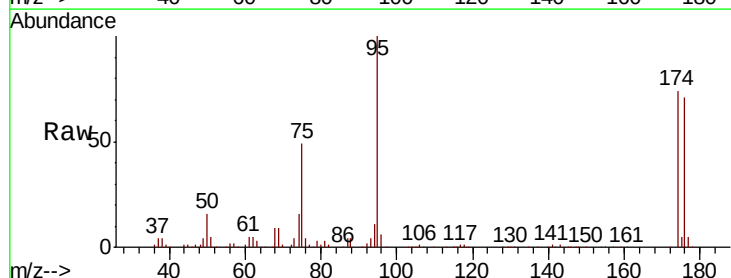
Tgt Ion: 95 Resp: 123608

Ion Ratio Lower Upper

95 100

174 71.0 0.0 143.4

176 68.6 0.0 136.0



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

120000

100000

80000

60000

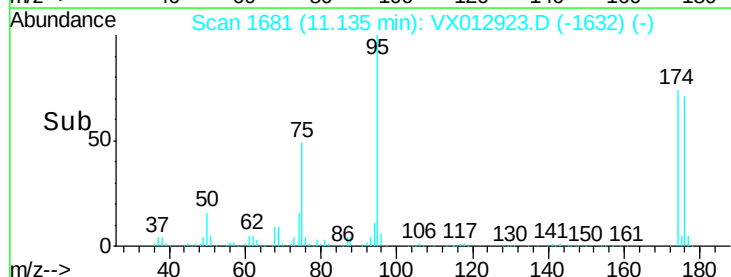
40000

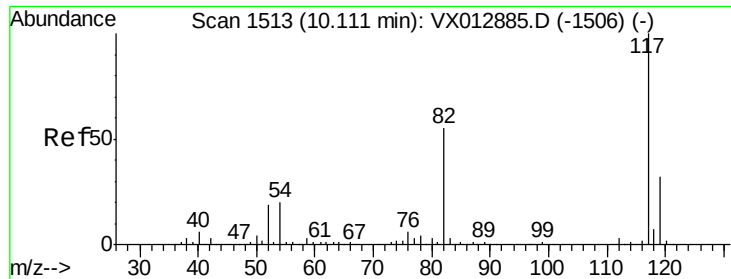
20000

0

11.10 11.14 11.18

Time-->

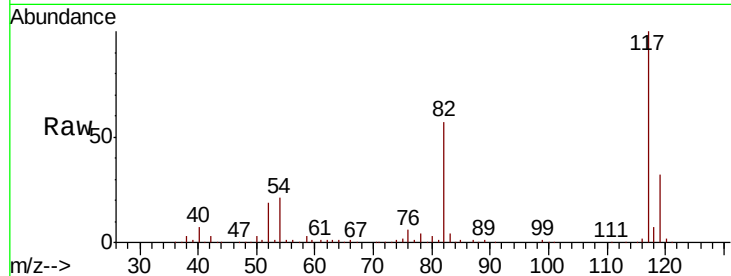




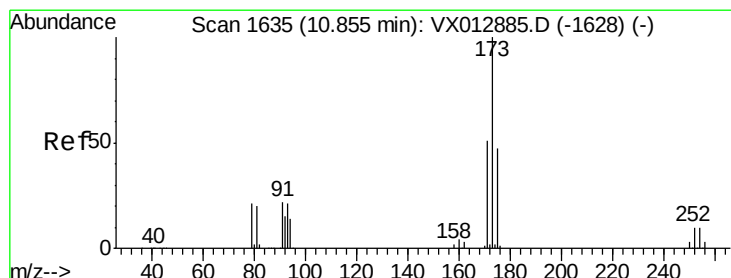
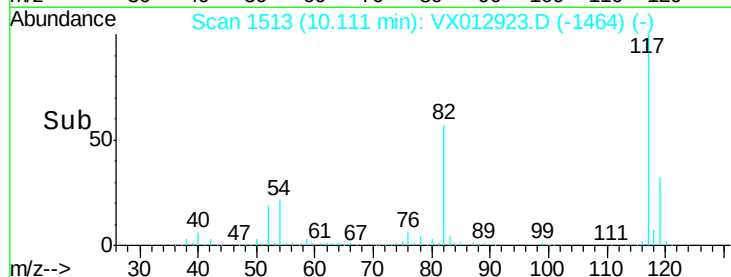
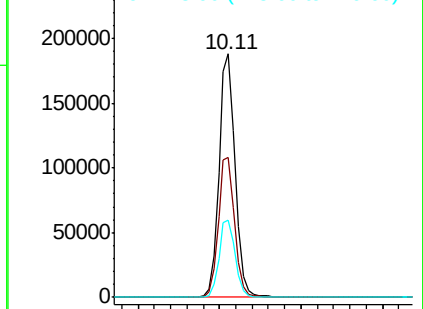
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012923.D
Acq: 09 Oct 2019 05:28

Instrument :
MSVOA_X
ClientSampleId :
S49-0542

Tot Ion:117 Resp: 259978
Ion Ratio Lower Upper
117 100
82 57.5 44.1 66.1
119 31.7 25.8 38.8

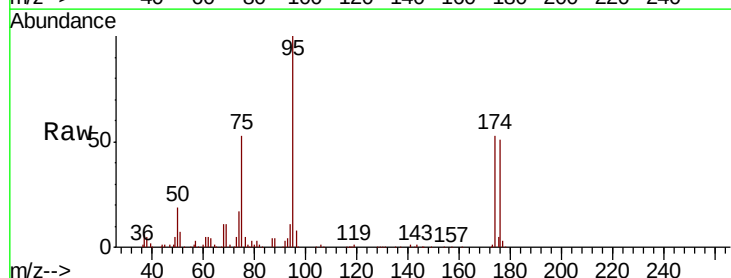


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

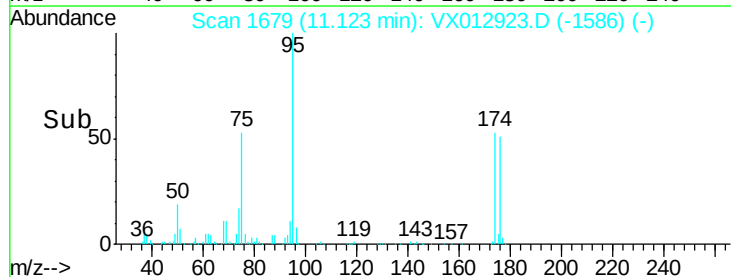
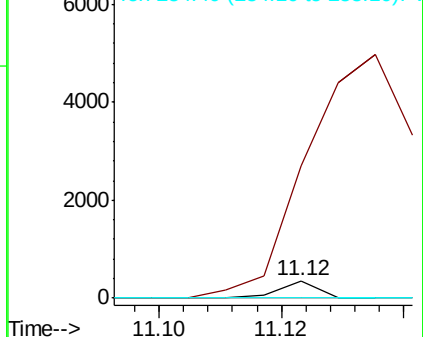


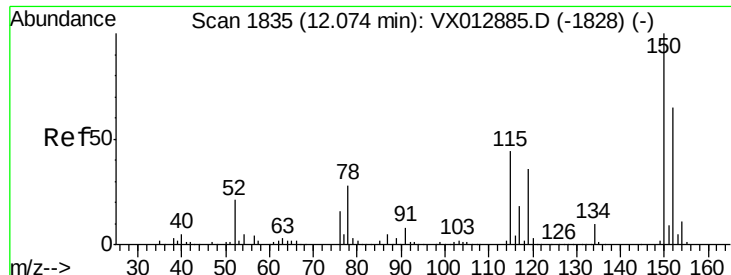
#71
Bromoform
Concen: 3.228 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.27 min
Lab File: VX012923.D
Acq: 09 Oct 2019 05:28

Tgt Ion:173 Resp: 155
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VX012923.D

Acq: 09 Oct 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

S49-0542

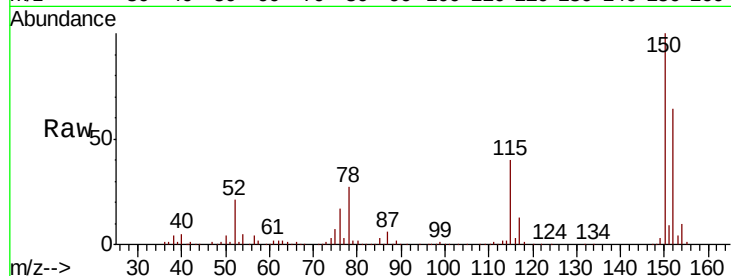
Tot Ion:152 Resp: 104519

Ion Ratio Lower Upper

152 100

115 63.9 44.5 133.5

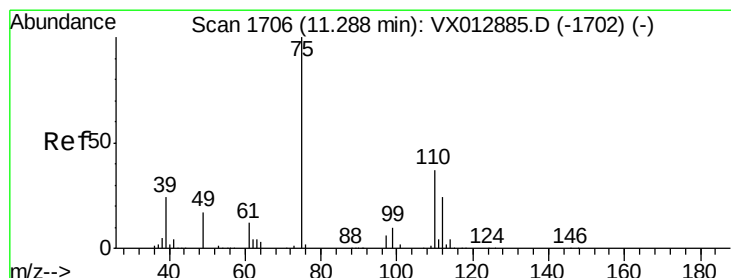
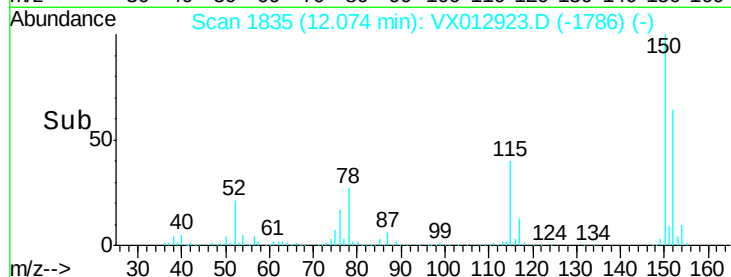
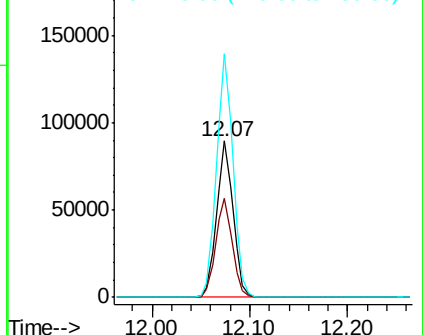
150 157.2 0.0 353.4



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: 26.839 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012923.D

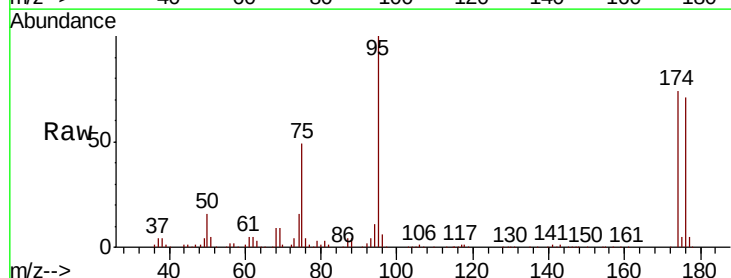
Acq: 09 Oct 2019 05:28

Tgt Ion: 75 Resp: 62218

Ion Ratio Lower Upper

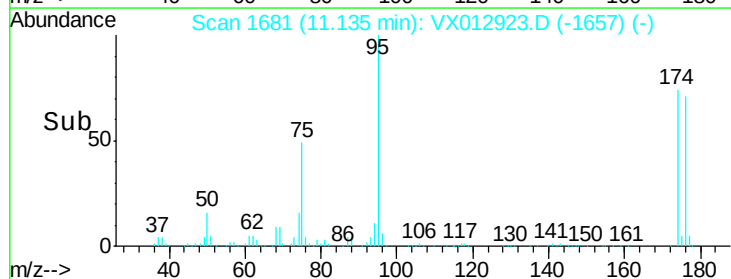
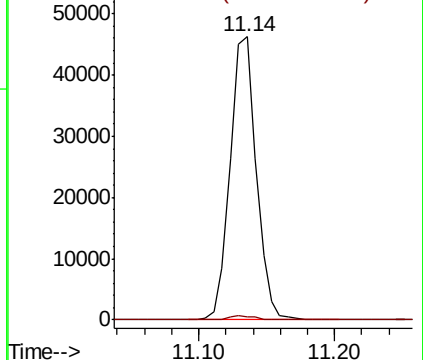
75 100

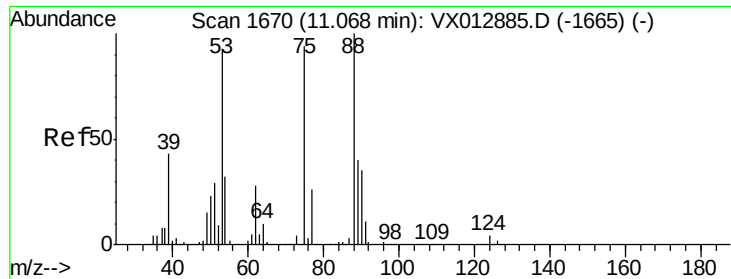
77 1.5 22.9 68.8#



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: 67.462 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012923.D

Acq: 09 Oct 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

S49-0542

Tot Ion: 75 Resp: 62218

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

