

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122118\
 Data File : VX006726.D
 Acq On : 21 Dec 2018 16:23
 Operator : JC/MD
 Sample : J6514-04DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0499DL

Quant Time: Dec 22 04:04:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	638577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	983829	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	881667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	408039	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	333944	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
35) Dibromofluoromethane	5.51	113	290773	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
50) Toluene-d8	8.71	98	1152471	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.14	95	403075	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	

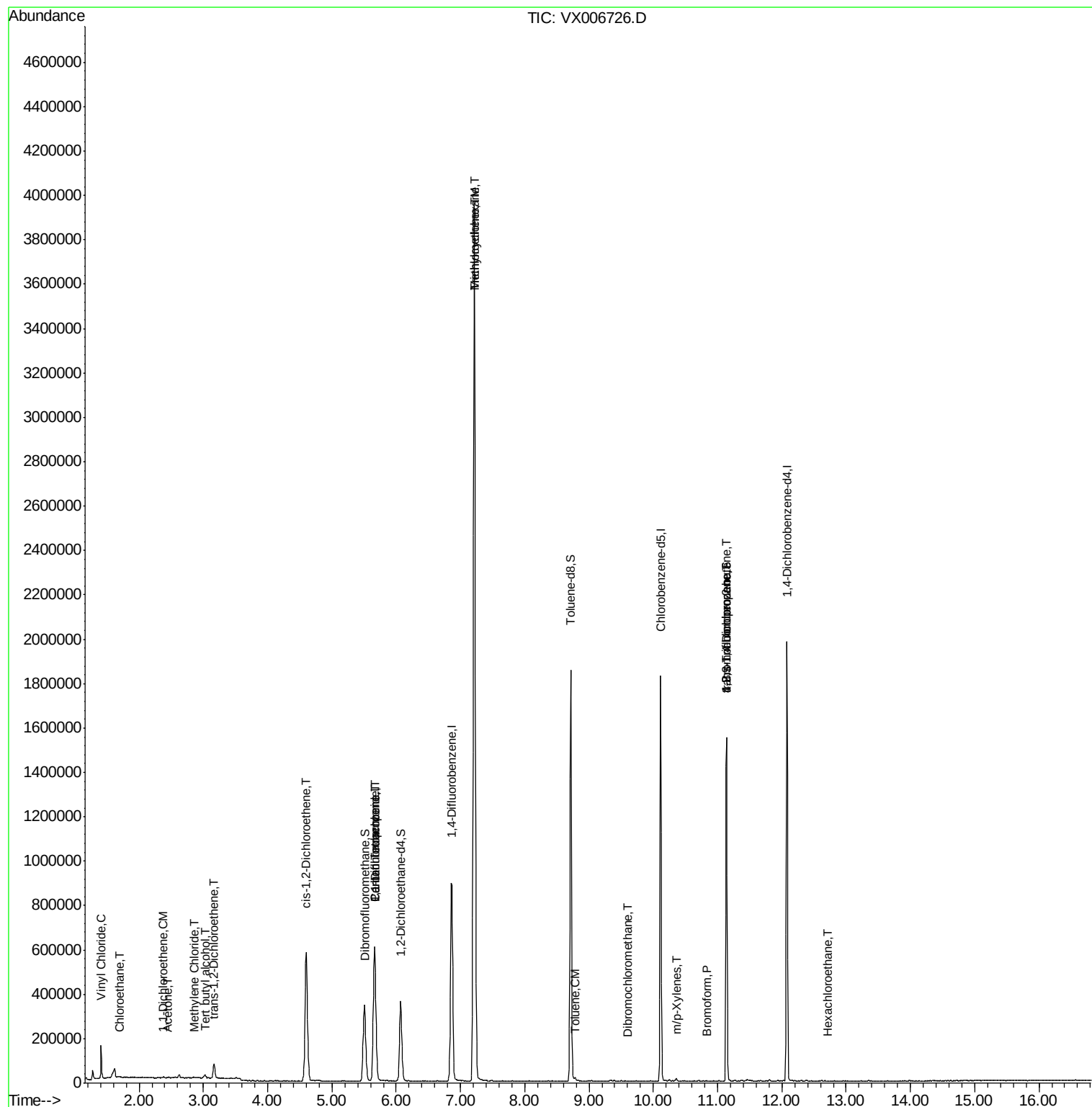
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	87181	13.263	ug/l	96
5) Bromomethane	1.64	94	1238	Below Cal	#	40
6) Chloroethane	1.71	64	1118	0.246	ug/l #	87
11) Tert butyl alcohol	3.02	59	8698	5.663	ug/l #	92
12) 1,1-Dichloroethene	2.37	96	1243	0.218	ug/l #	54
16) Acetone	2.45	43	3488	1.103	ug/l #	82
20) Methylene Chloride	2.86	84	2153	0.329	ug/l #	88
21) trans-1,2-Dichloroethene	3.17	96	26530	4.197	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	393628	56.436	ug/l	92
28) Bromochloromethane	5.03	49	154	Below Cal	#	3
36) 1,1-Dichloropropene	5.66	75	39519	4.850	ug/l #	49
38) Carbon Tetrachloride	5.67	117	59718	7.541	ug/l #	13
39) Methylcyclohexane	7.21	83	16367	1.526	ug/l #	1
44) Trichloroethene	7.21	130	1579581	210.706	ug/l	99
49) 1,4-Dioxane	7.74	88	24	Below Cal	#	1
52) Toluene	8.78	92	4341	0.271	ug/l	99
60) Dibromochloromethane	9.60	129	79	2.335	ug/l	83
68) m/p-Xylenes	10.36	106	2822	0.235	ug/l	97
71) Bromoform	10.84	173	122	4.481	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	185840	24.507	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	185840	72.502	ug/l #	10
90) Hexachloroethane	12.71	117	152	3.330	ug/l	65

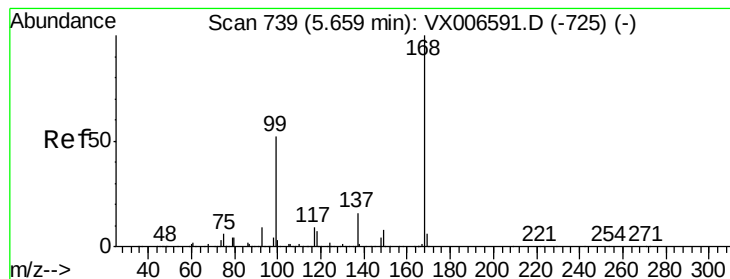
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122118\
Data File : VX006726.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
S49-0499DL

Quant Time: Dec 22 04:04:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

Instrument :

MSVOA_X

ClientSampleID :

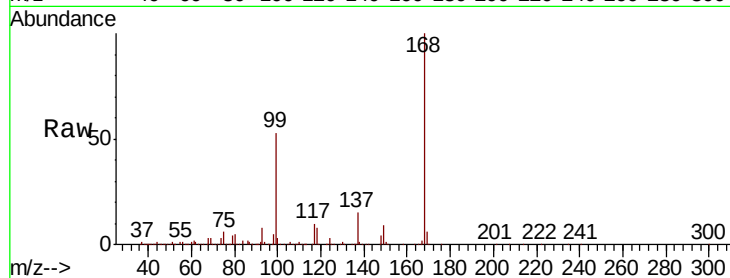
S49-0499DL

Tot Ion:168 Resp: 638577

Ion Ratio Lower Upper

168 100

99 53.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

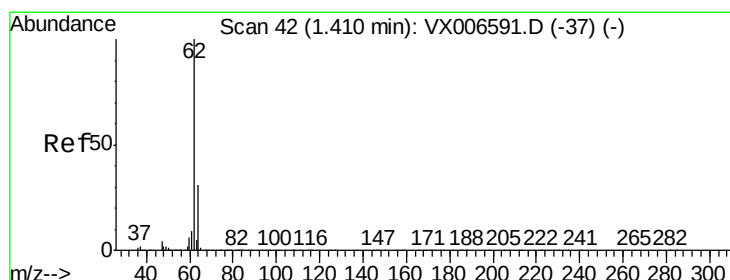
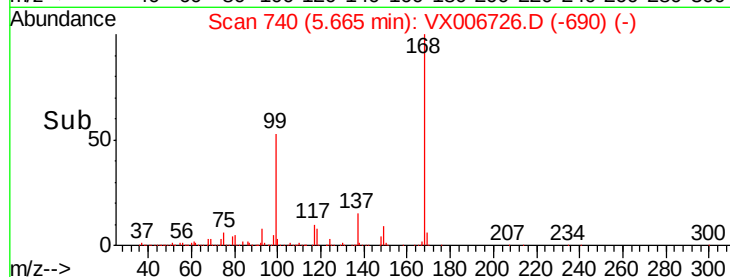
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 13.263 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006726.D

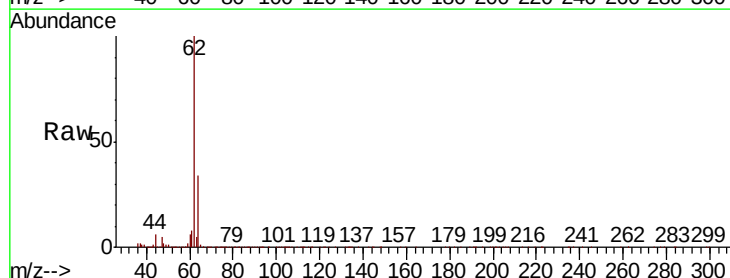
Acq: 21 Dec 2018 16:23

Tgt Ion: 62 Resp: 87181

Ion Ratio Lower Upper

62 100

64 33.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

100000

80000

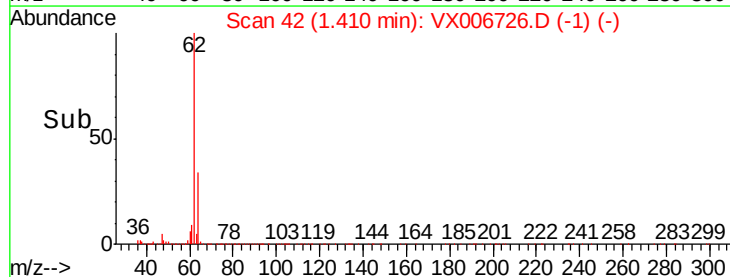
60000

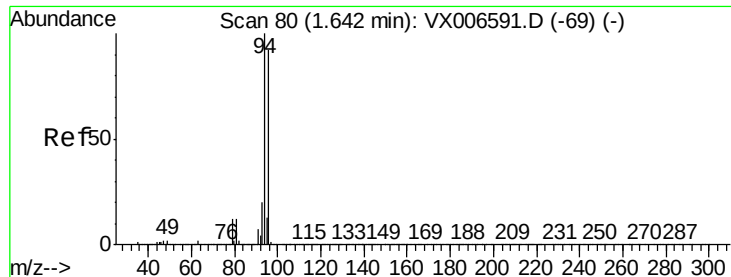
40000

20000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

Instrument :

MSVOA_X

ClientSampleID :

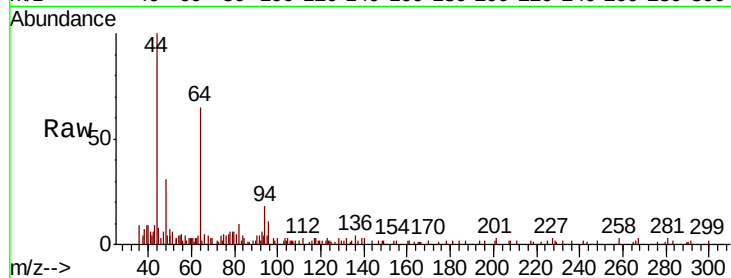
S49-0499DL

Tot Ion: 94 Resp: 1238

Ion Ratio Lower Upper

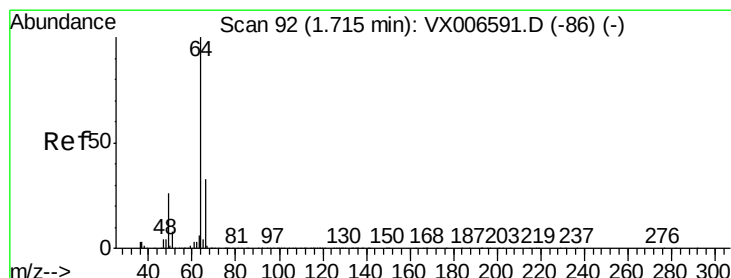
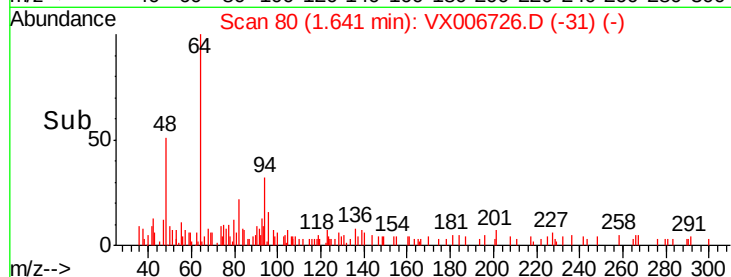
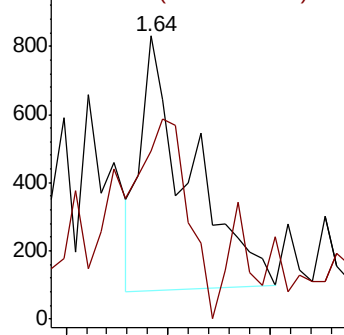
94 100

96 34.6 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.246 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX006726.D

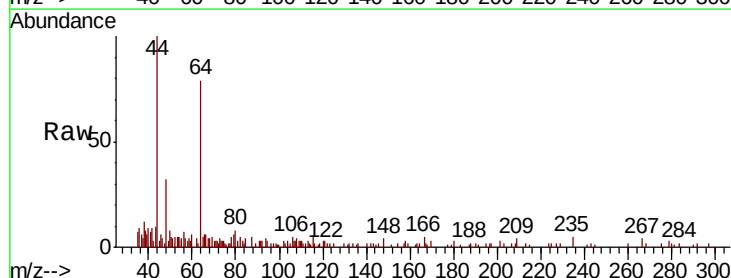
Acq: 21 Dec 2018 16:23

Tgt Ion: 64 Resp: 1118

Ion Ratio Lower Upper

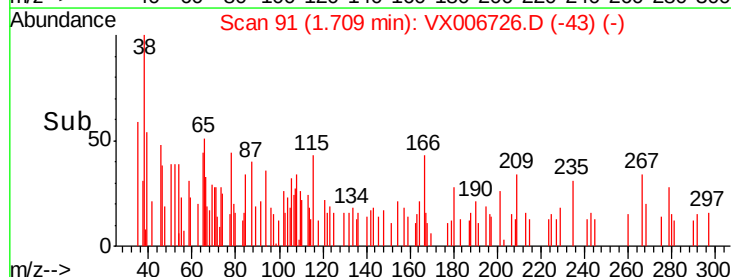
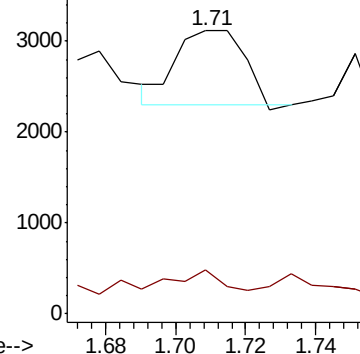
64 100

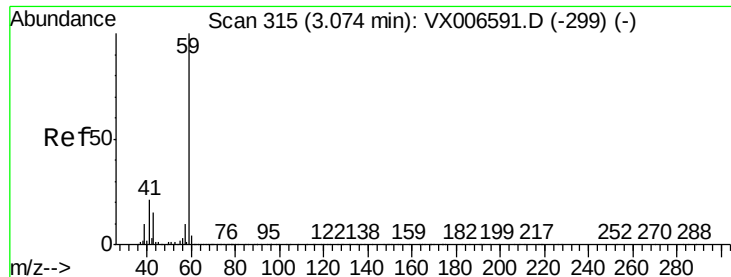
66 25.5 26.4 39.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



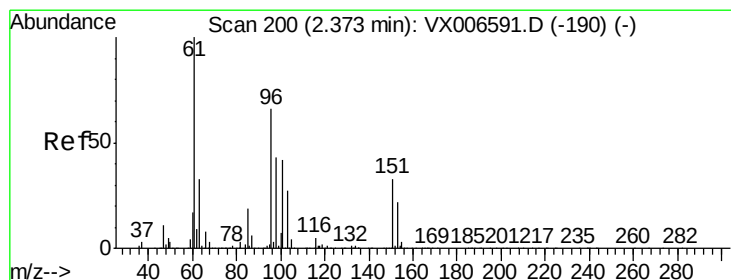
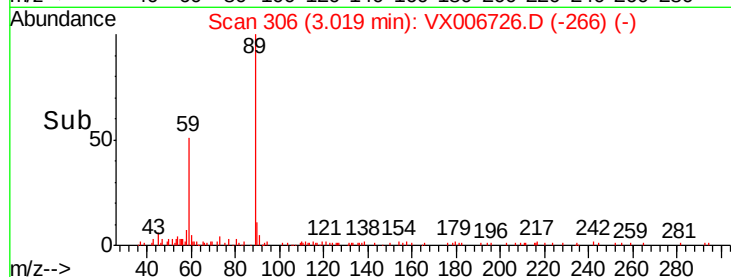
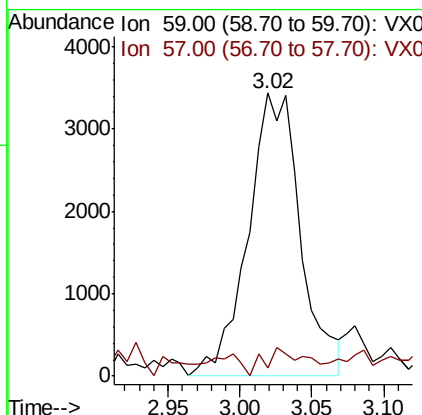
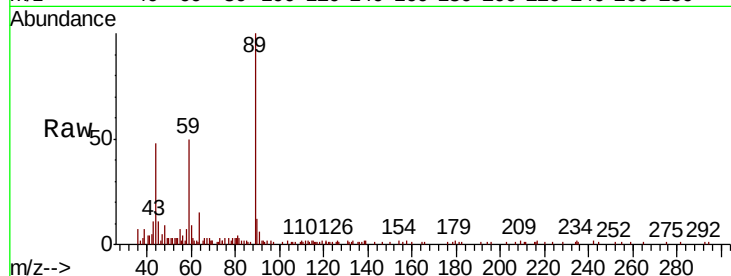


#11

Tert butyl alcohol
Concen: 5.663 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

Instrument :
MSVOA_X
ClientSampled :
S49-0499DL

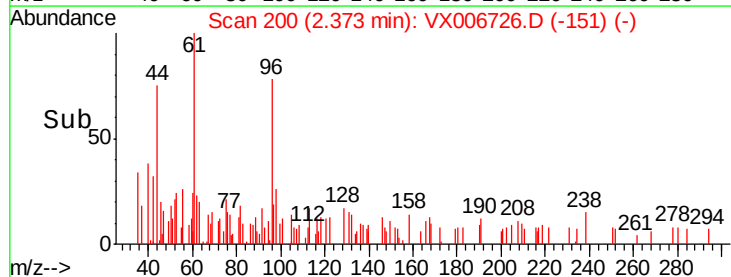
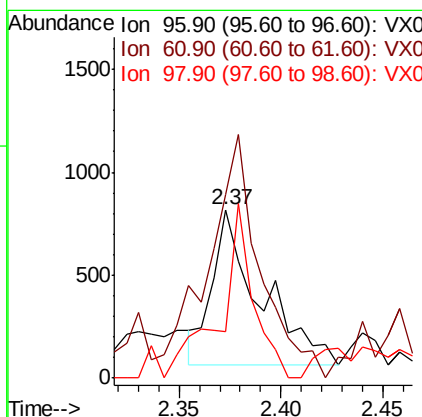
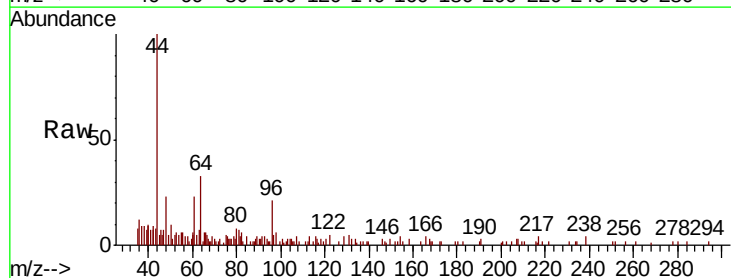
Tot Ion: 59 Resp: 8698
Ion Ratio Lower Upper
59 100
57 7.5 8.5 12.7#

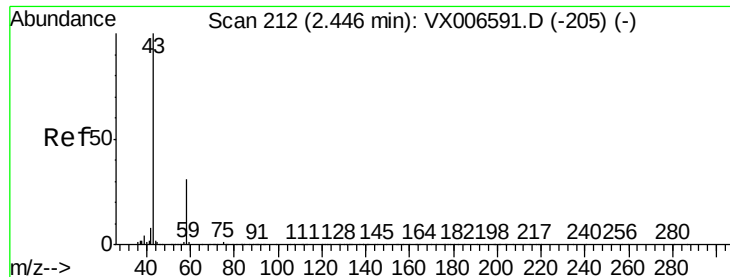


#12

1,1-Dichloroethene
Concen: 0.218 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

Tgt Ion: 96 Resp: 1243
Ion Ratio Lower Upper
96 100
61 104.8 121.4 182.2#
98 11.1 51.9 77.9#





#16

Acetone

Concen: 1.103 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

Instrument :

MSVOA_X

ClientSampled :

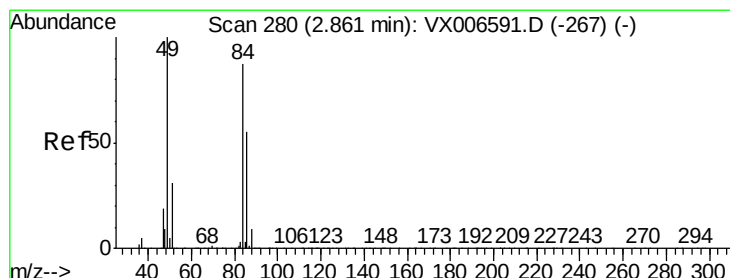
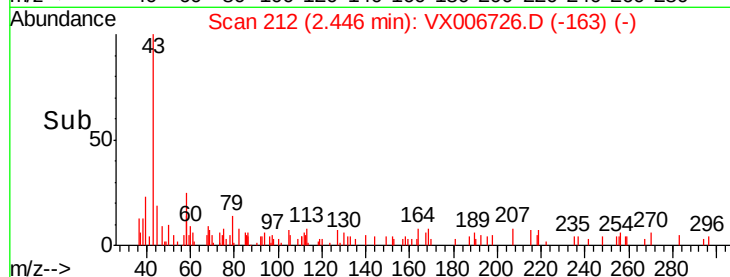
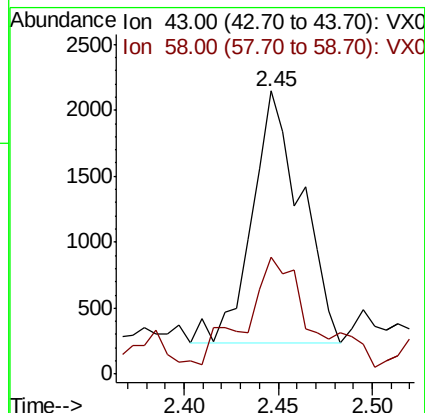
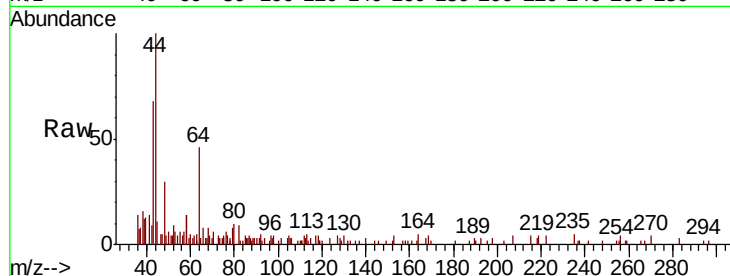
S49-0499DL

Tot Ion: 43 Resp: 3488

Ion Ratio Lower Upper

43 100

58 41.3 25.0 37.6#



#20

Methylene Chloride

Concen: 0.329 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

Tgt Ion: 84 Resp: 2153

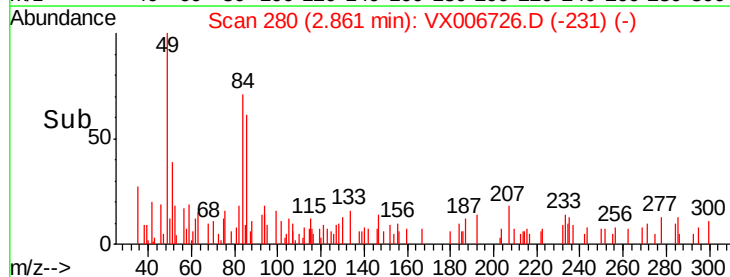
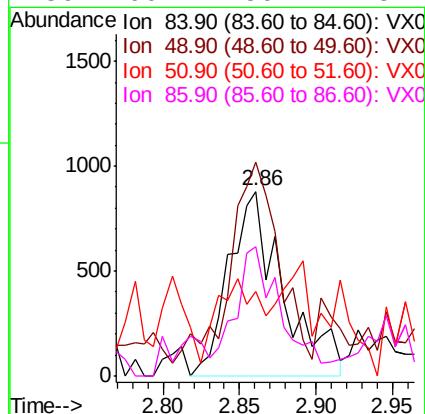
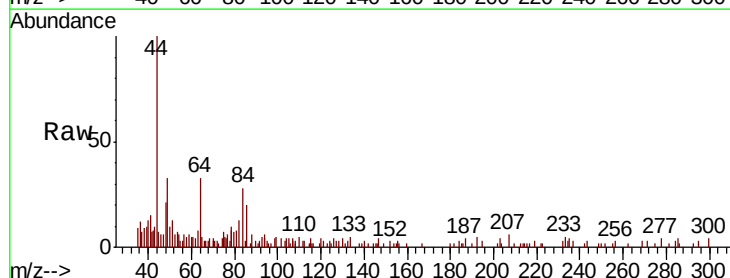
Ion Ratio Lower Upper

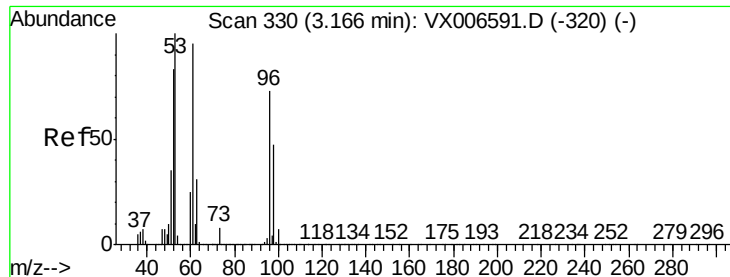
84 100

49 101.0 91.8 137.6

51 21.1 28.5 42.7#

86 66.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 4.197 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

Instrument :

MSVOA_X

ClientSampleId :

S49-0499DL

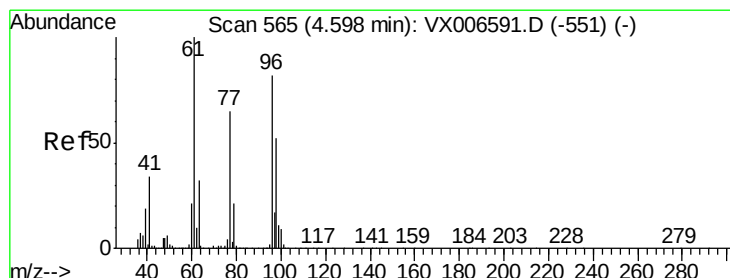
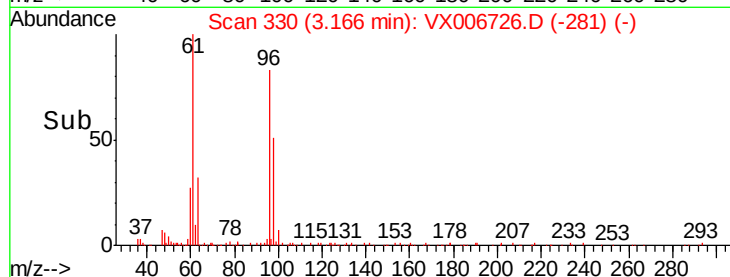
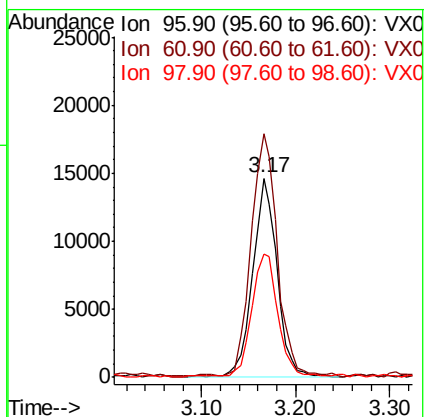
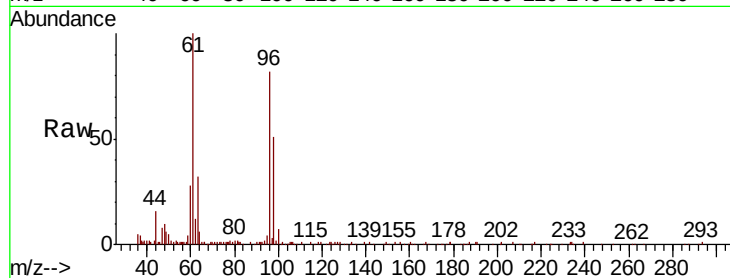
Tot Ion: 96 Resp: 26530

Ion Ratio Lower Upper

96 100

61 121.4 103.7 155.5

98 61.0 51.0 76.6



#27

cis-1,2-Dichloroethene

Concen: 56.436 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

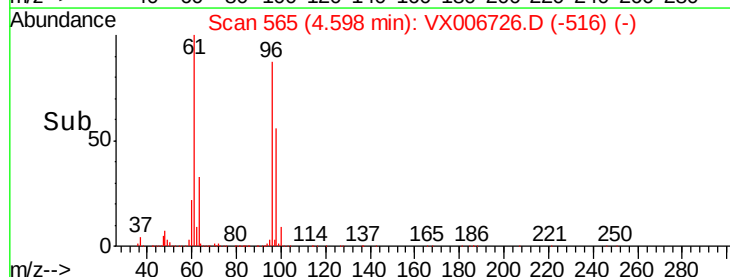
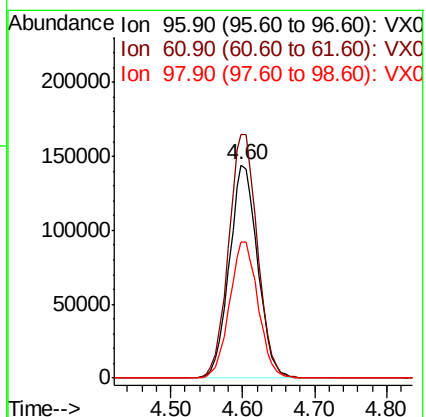
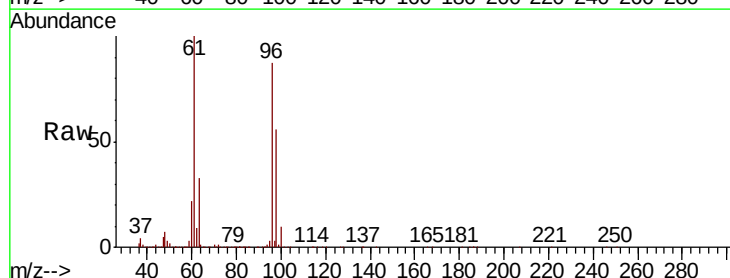
Tgt Ion: 96 Resp: 393628

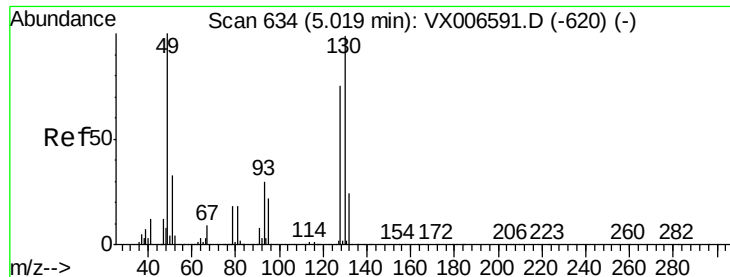
Ion Ratio Lower Upper

96 100

61 116.2 0.0 258.6

98 64.8 0.0 132.0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

Instrument :

MSVOA_X

ClientSampleId :

S49-0499DL

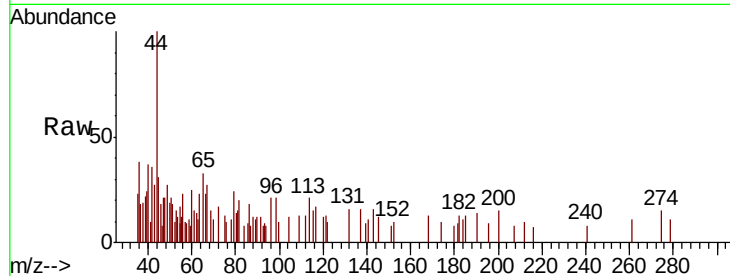
Tot Ion: 49 Resp: 154

Ion Ratio Lower Upper

49 100

129 16.2 0.0 5.4#

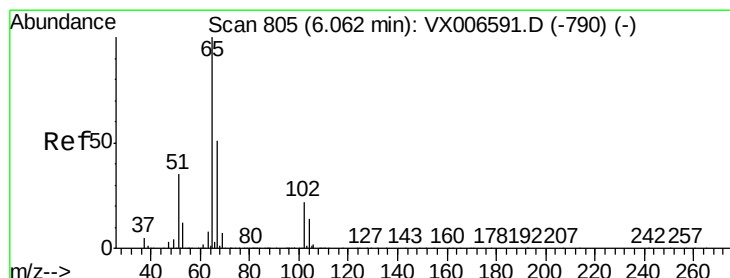
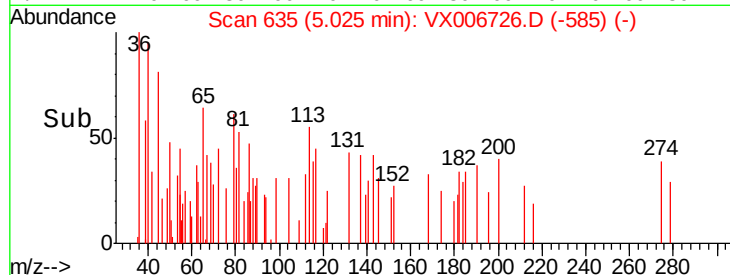
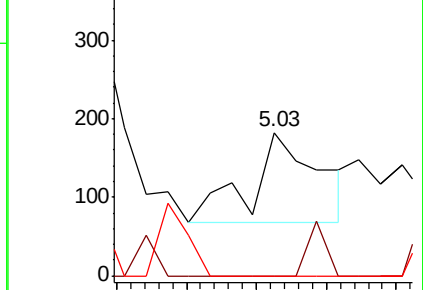
130 0.0 77.7 116.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 48.522 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006726.D

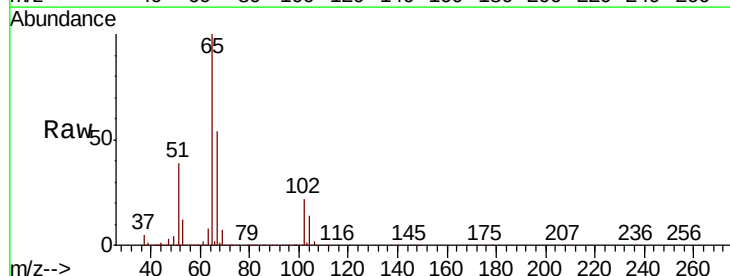
Acq: 21 Dec 2018 16:23

Tgt Ion: 65 Resp: 333944

Ion Ratio Lower Upper

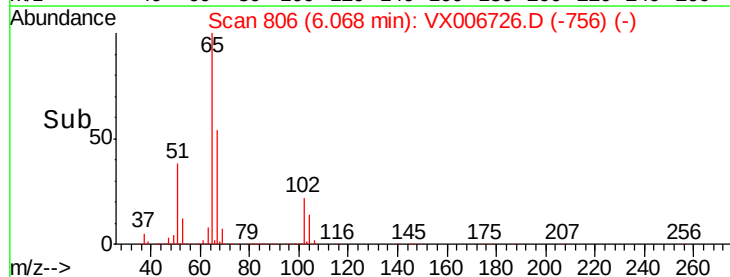
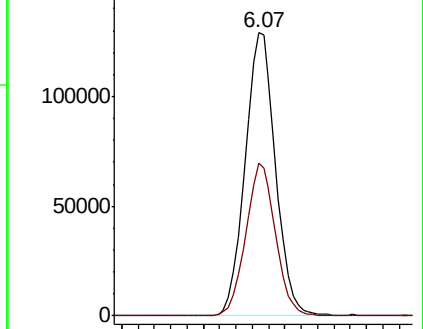
65 100

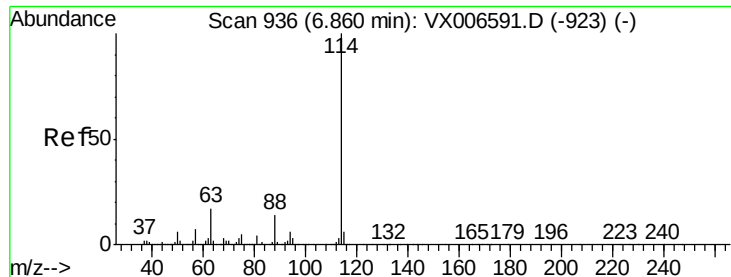
67 52.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

150000 Ion 66.90 (66.60 to 67.60): VX0

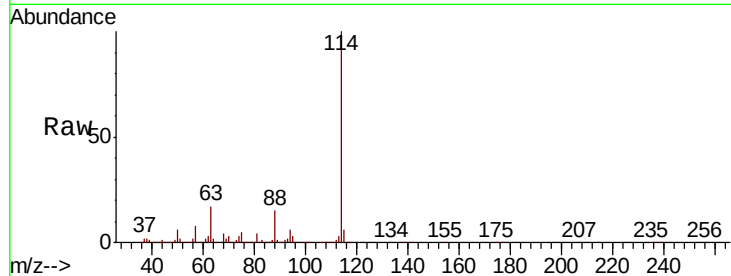




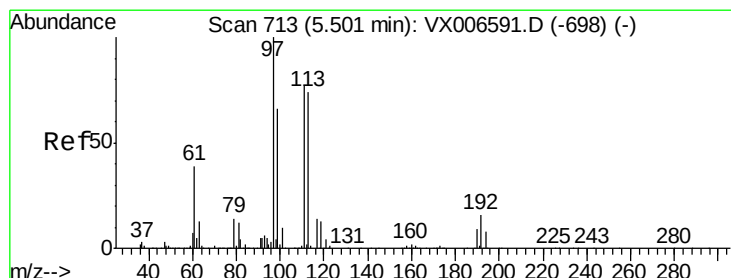
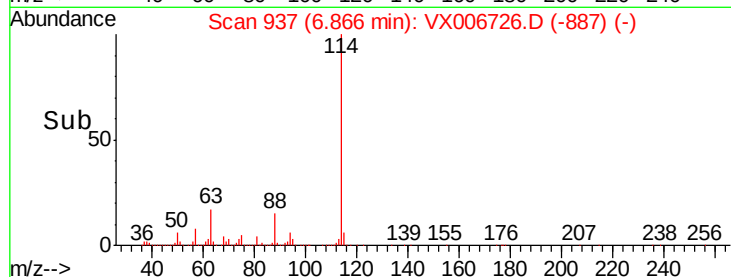
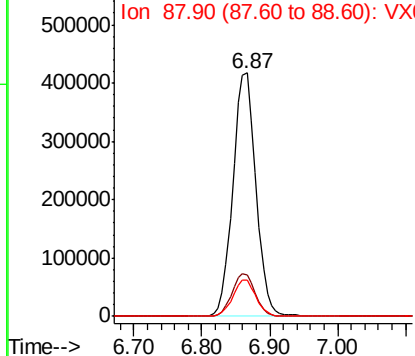
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

Instrument :
MSVOA_X
ClientSampled :
S49-0499DL

Tot Ion:114 Resp: 983829
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.8
88 14.7 0.0 28.8

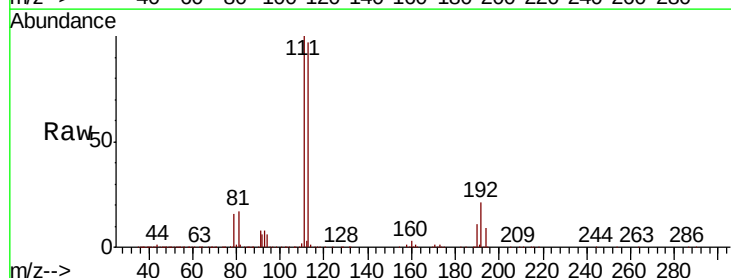


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

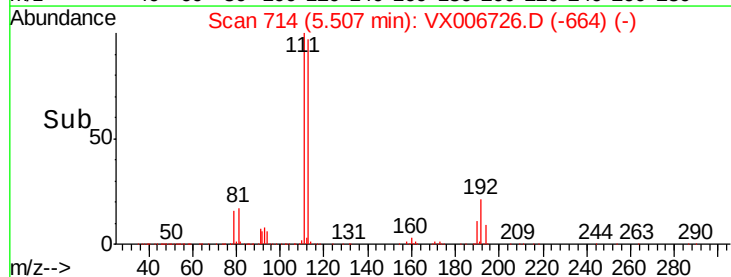
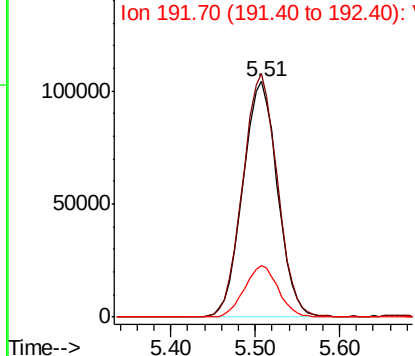


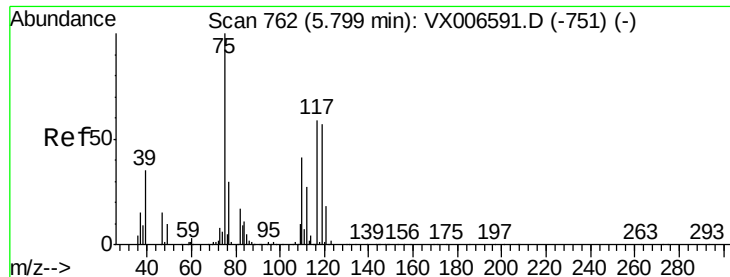
#35
Dibromofluoromethane
Concen: 46.736 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

Tgt Ion:113 Resp: 290773
Ion Ratio Lower Upper
113 100
111 103.2 81.6 122.4
192 21.3 16.7 25.1



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: 4.850 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

Instrument :

MSVOA_X

ClientSampleID :

S49-0499DL

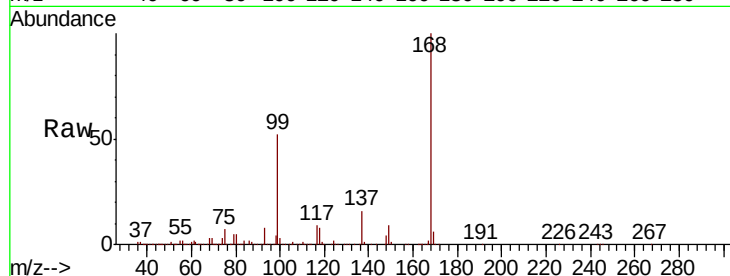
Tot Ion: 75 Resp: 39519

Ion Ratio Lower Upper

75 100

110 11.3 20.2 60.5#

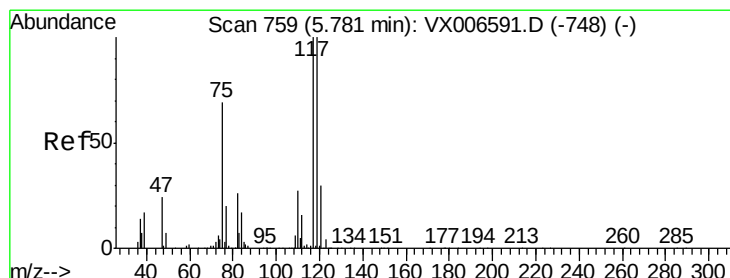
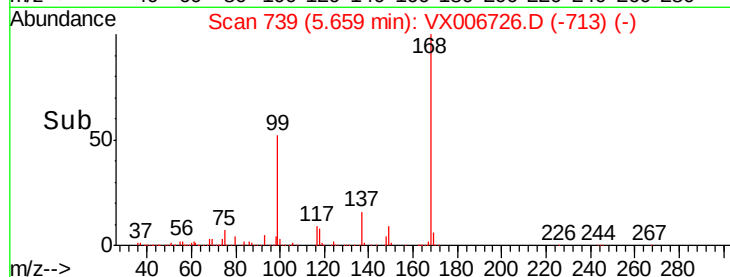
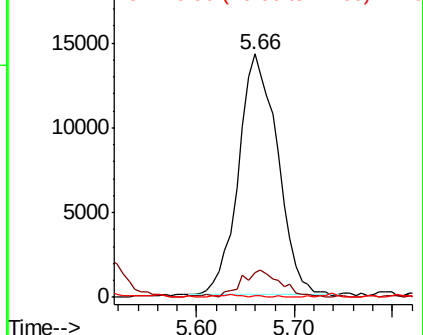
77 0.2 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 7.541 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

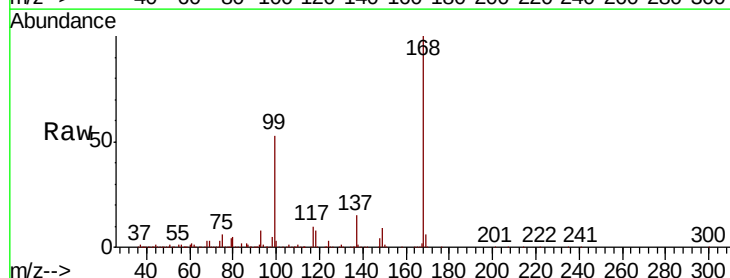
Tgt Ion: 117 Resp: 59718

Ion Ratio Lower Upper

117 100

119 3.6 79.4 119.2#

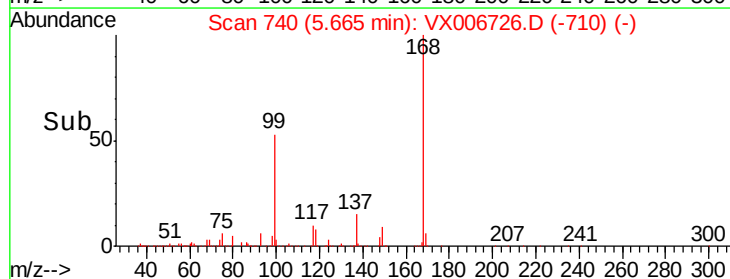
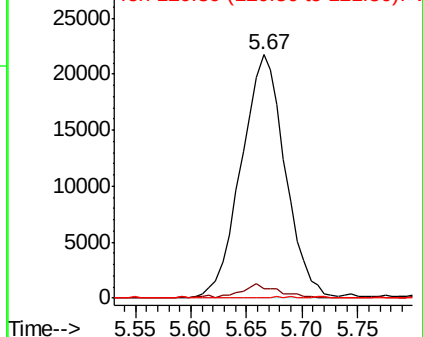
121 0.0 24.0 36.0#

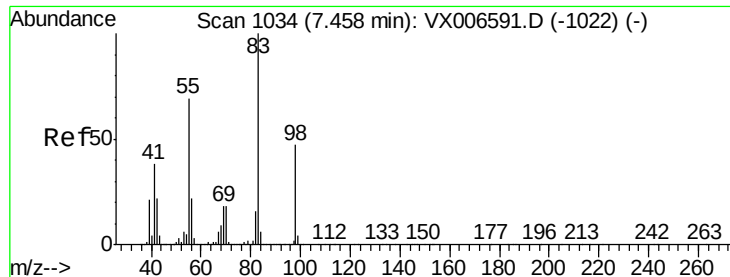


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylvlcyclohexane

Concen: 1.526 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.24 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

Instrument :

MSVOA_X

ClientSampleId :

S49-0499DL

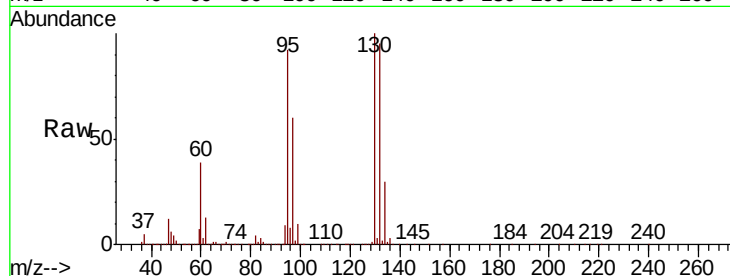
Tot Ion: 83 Resp: 16367

Ion Ratio Lower Upper

83 100

55 0.1 54.9 82.3#

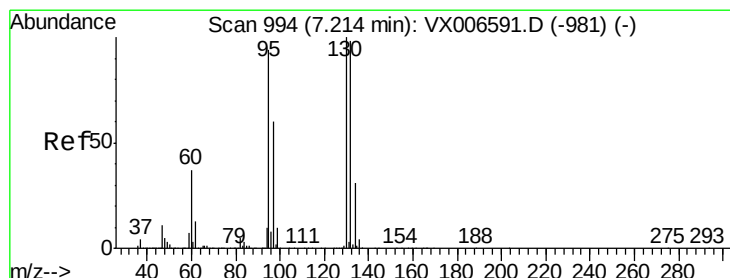
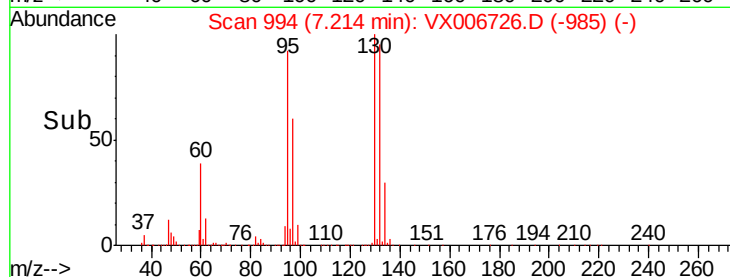
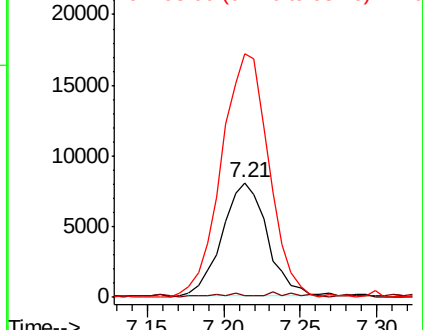
98 212.6 37.9 56.9#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#44

Trichloroethene

Concen: 210.706 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006726.D

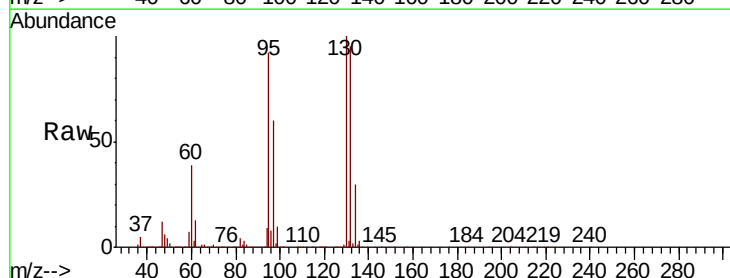
Acq: 21 Dec 2018 16:23

Tgt Ion:130 Resp: 1579581

Ion Ratio Lower Upper

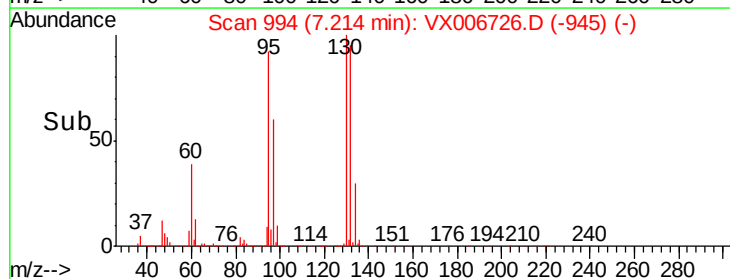
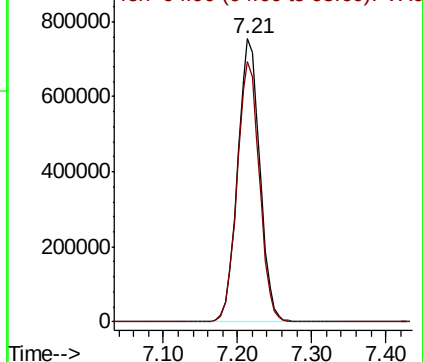
130 100

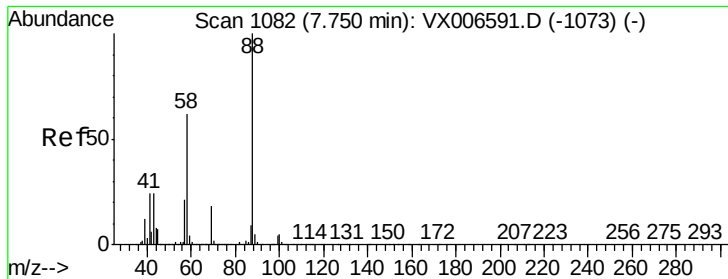
95 92.1 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

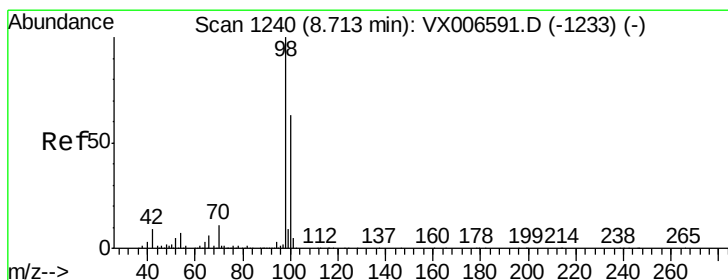
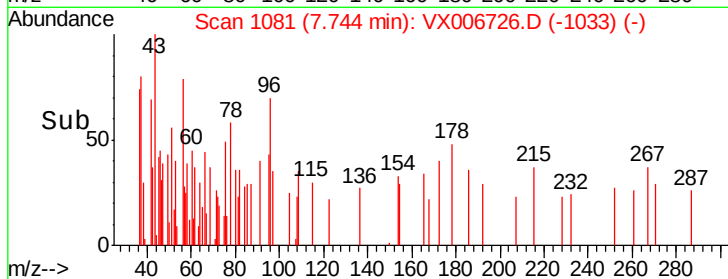
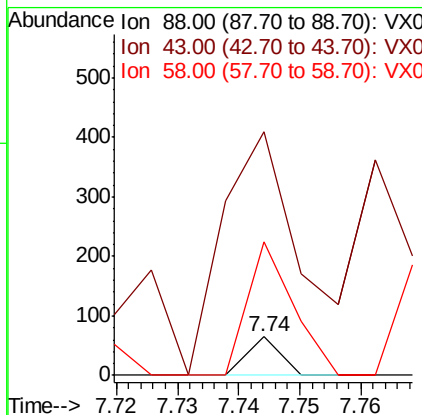
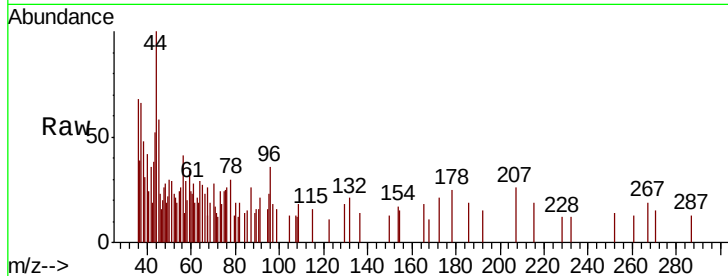




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

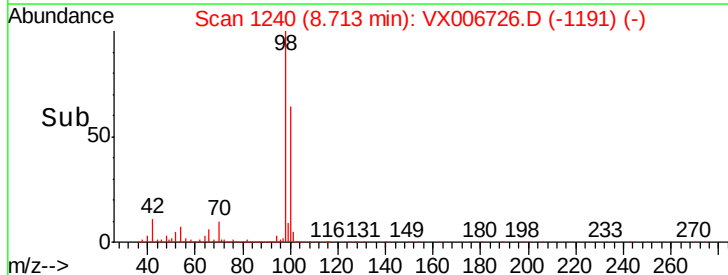
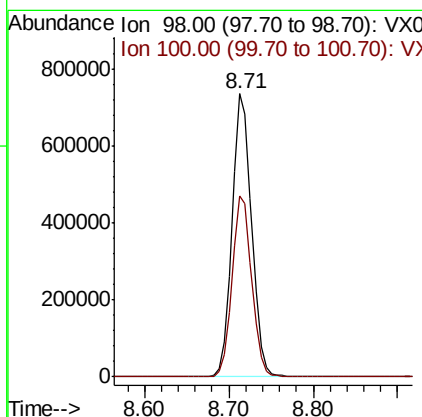
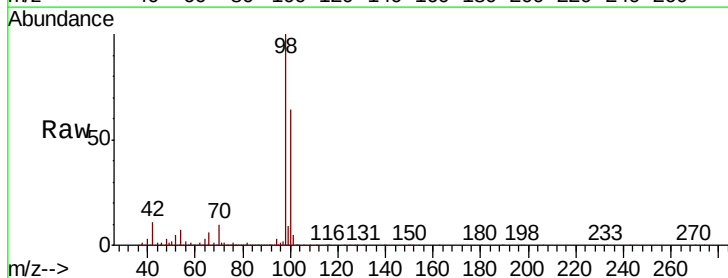
Instrument :
MSVOA_X
ClientSampled :
S49-0499DL

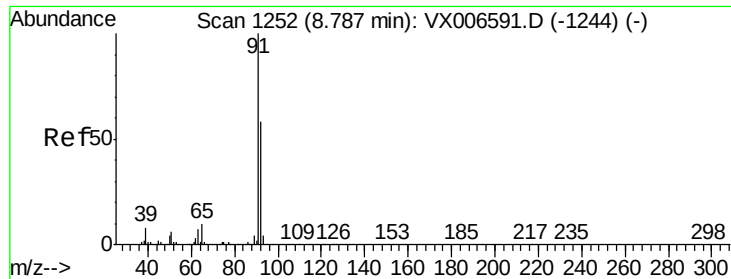
Tot Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 2150.0 22.2 33.4#
58 483.3 51.0 76.4#



#50
Toluene-d8
Concen: 49.134 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

Tgt Ion: 98 Resp: 1152471
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0





#52

Toluene

Concen: 0.271 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

Instrument :

MSVOA_X

ClientSampled :

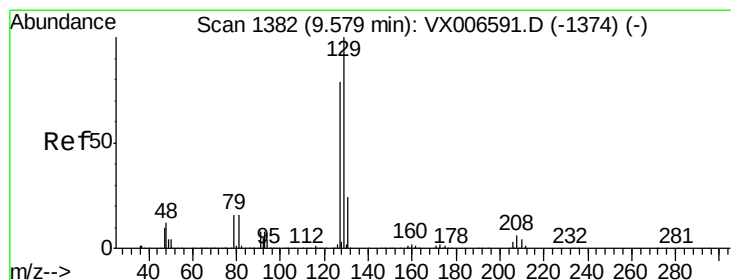
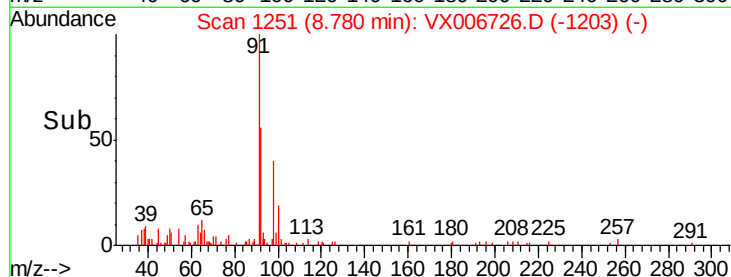
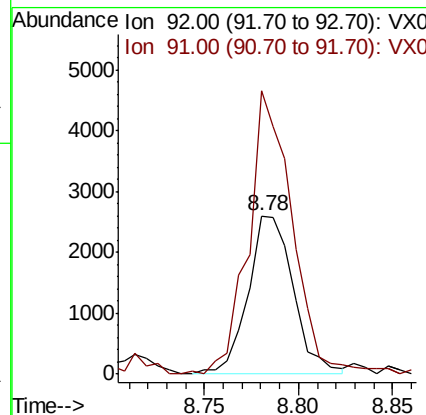
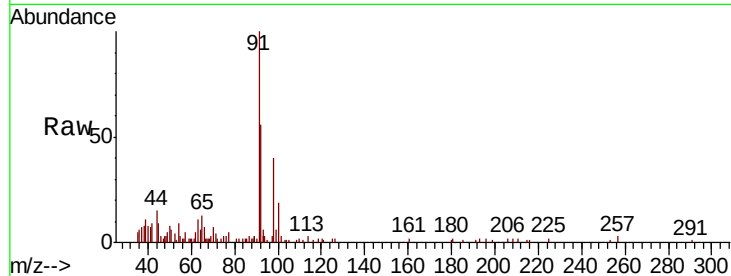
S49-0499DL

Tot Ion: 92 Resp: 4341

Ion Ratio Lower Upper

92 100

91 173.6 137.6 206.4



#60

Dibromochloromethane

Concen: 2.335 ug/l

RT: 9.60 min Scan# 1386

Delta R.T. 0.02 min

Lab File: VX006726.D

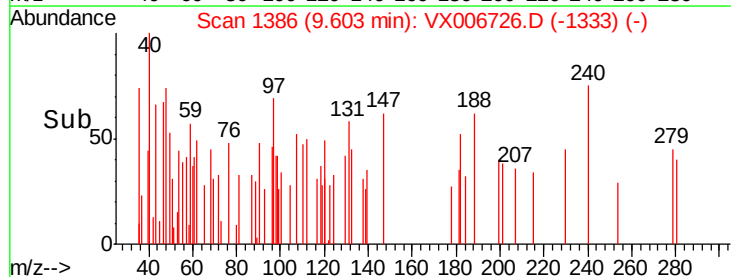
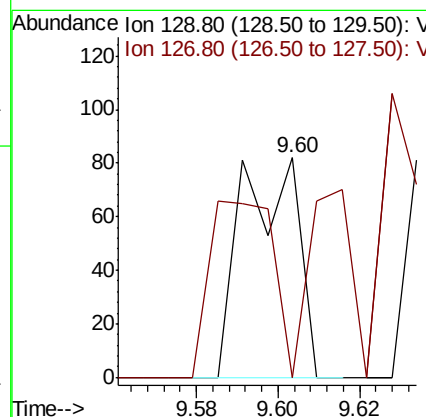
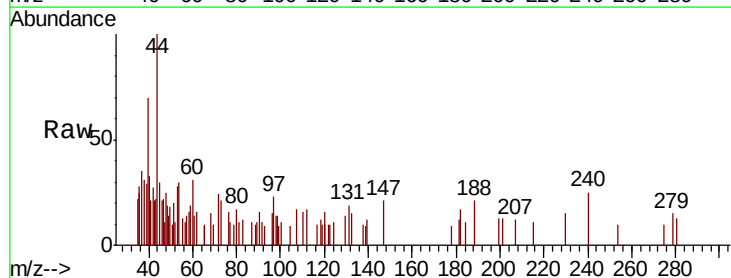
Acq: 21 Dec 2018 16:23

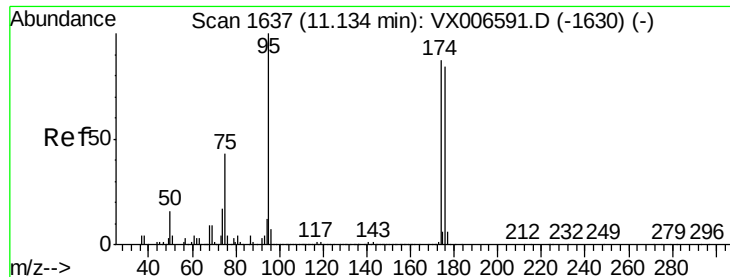
Tgt Ion: 129 Resp: 79

Ion Ratio Lower Upper

129 100

127 63.3 39.3 117.8

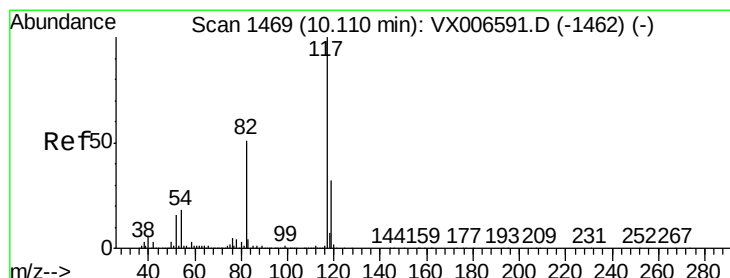
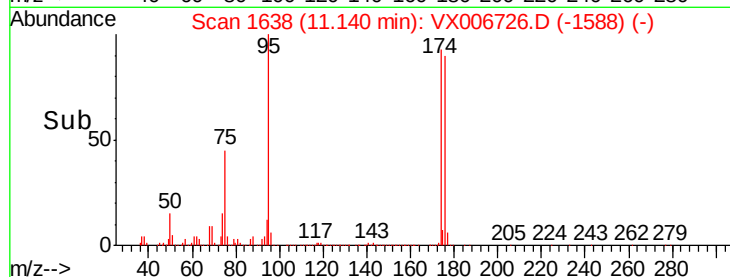
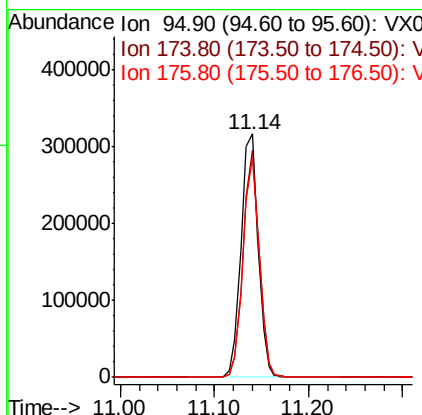
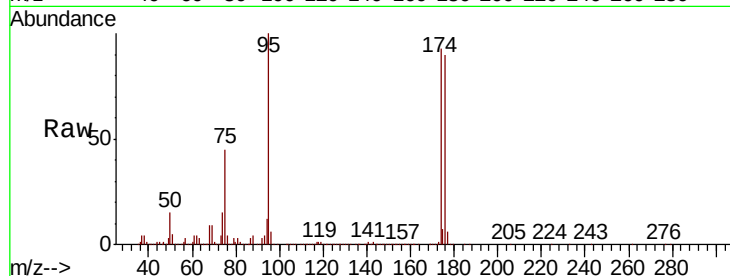




#62
4-Bromofluorobenzene
Concen: 46.922 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

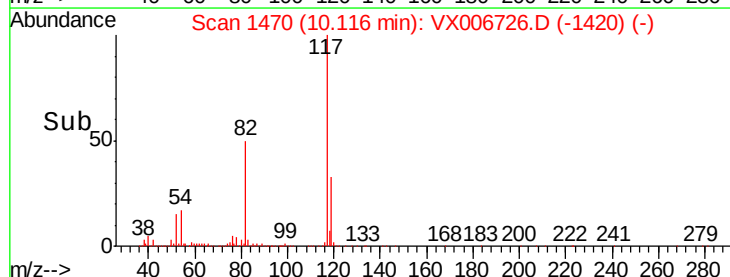
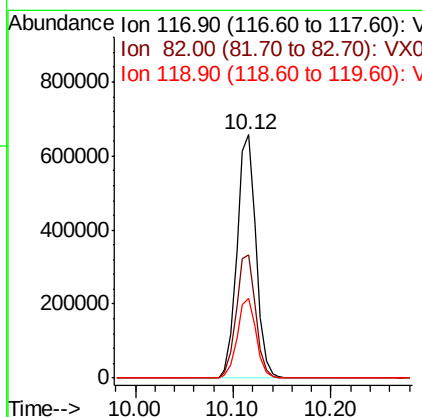
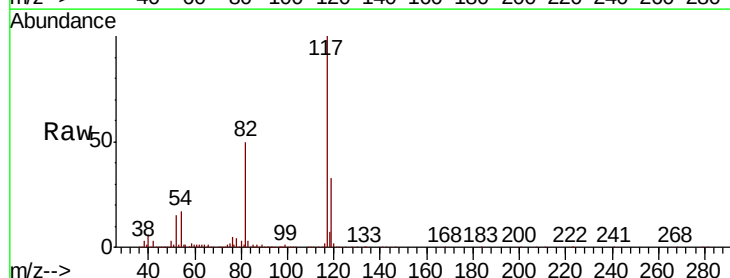
Instrument :
MSVOA_X
ClientSampleId :
S49-0499DL

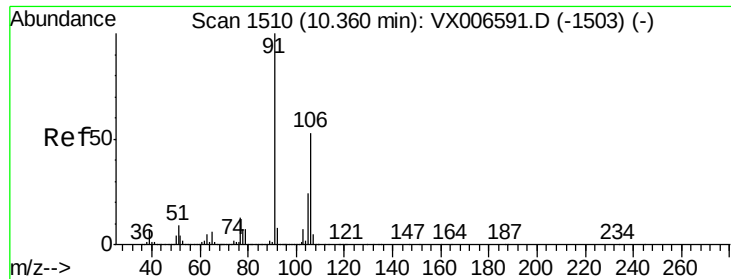
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	182.2
176	85.8	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.0	61.6
119	32.7	25.4	38.0

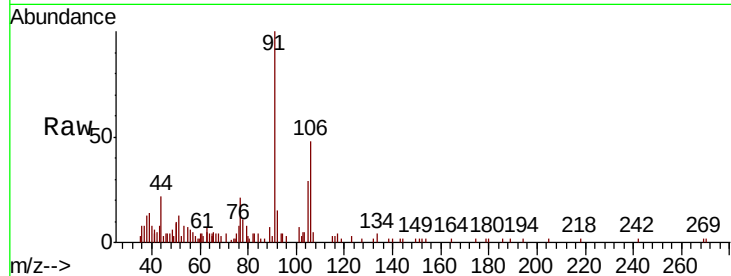




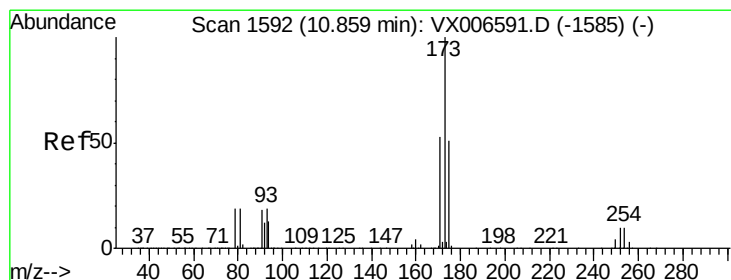
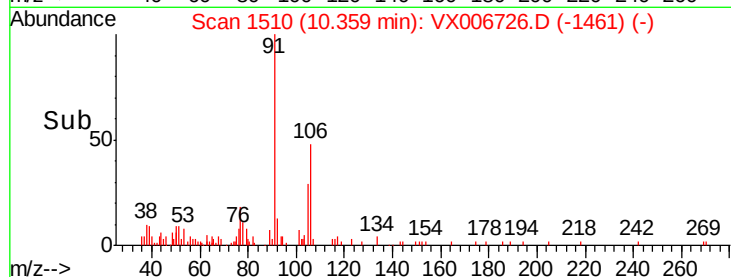
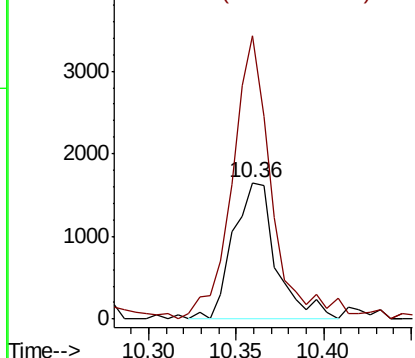
#68
m/p-Xvlenes
Concen: 0.235 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

Instrument :
MSVOA_X
ClientSampled :
S49-0499DL

Tot Ion:106 Resp: 2822
Ion Ratio Lower Upper
106 100
91 190.6 155.8 233.6

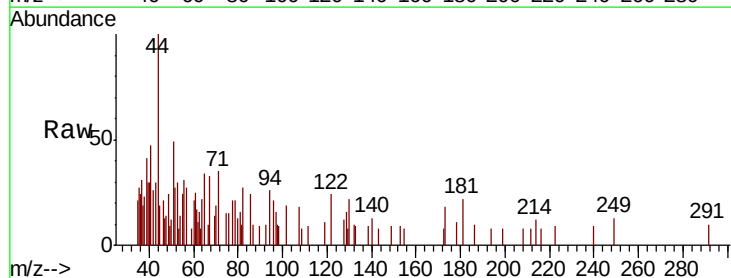


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

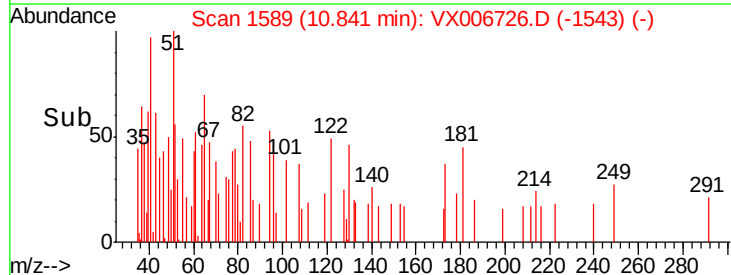
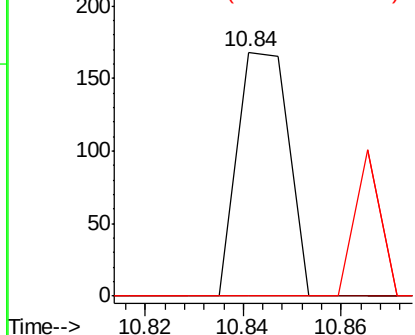


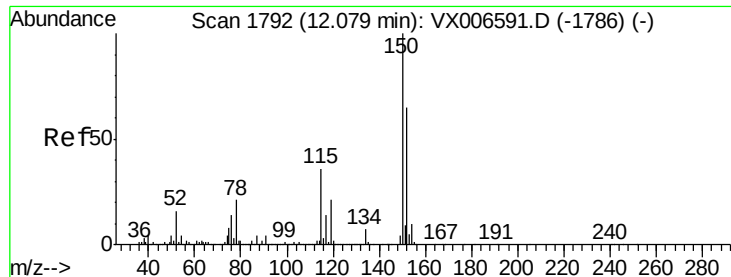
#71
Bromoform
Concen: 4.481 ug/l
RT: 10.84 min Scan# 1589
Delta R.T. -0.02 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

Tgt Ion:173 Resp: 122
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#



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



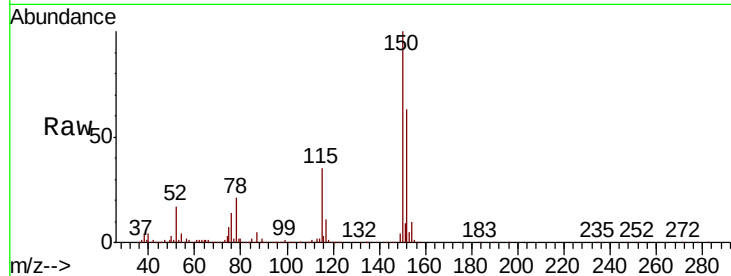


#72

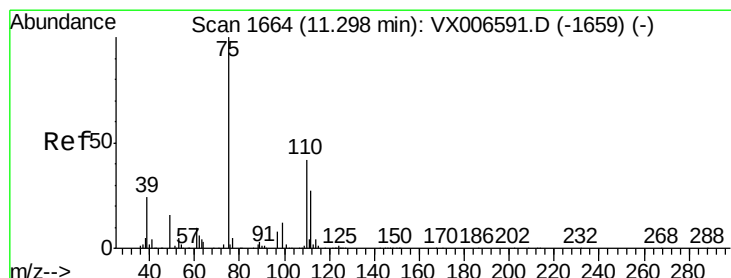
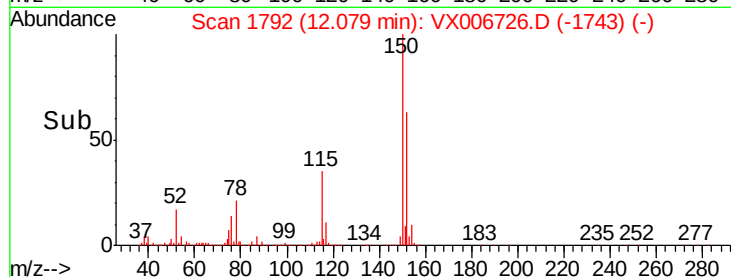
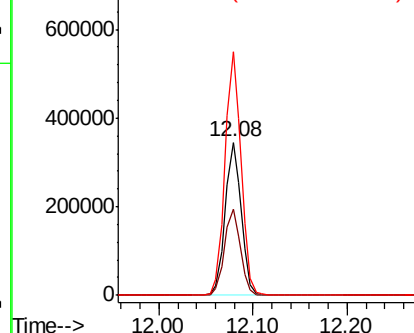
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

Instrument :
MSVOA_X
ClientSampled :
S49-0499DL

Tot Ion:152 Resp: 408039
Ion Ratio Lower Upper
152 100
115 56.4 39.1 117.2
150 158.5 0.0 344.8



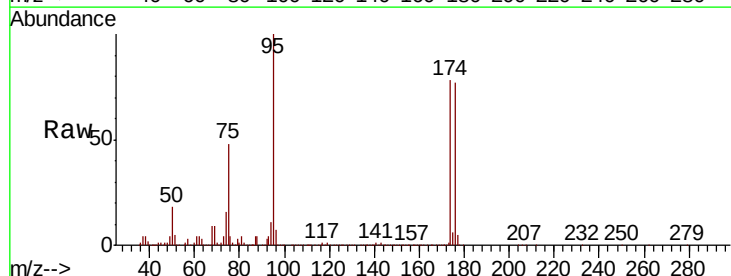
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



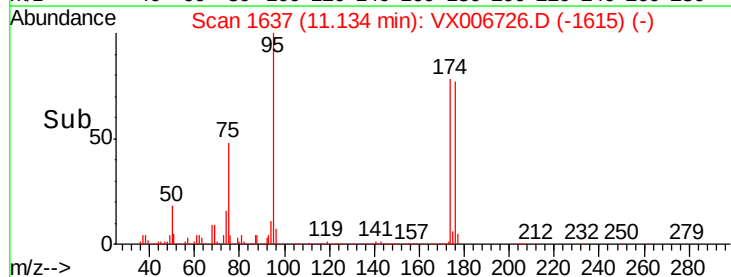
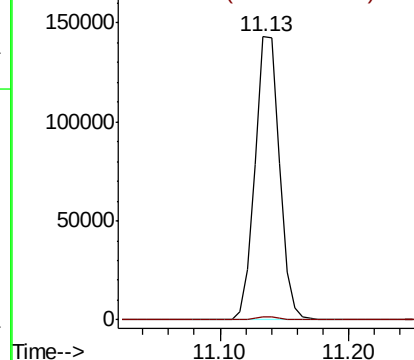
#76

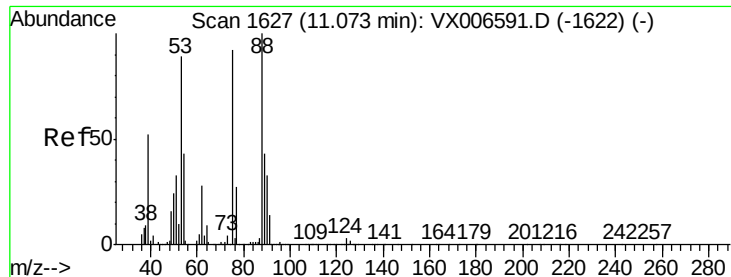
1,2,3-Trichloropropane
Concen: 24.507 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006726.D
Acq: 21 Dec 2018 16:23

Tgt Ion: 75 Resp: 185840
Ion Ratio Lower Upper
75 100
77 1.2 18.5 55.5#



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: 72.502 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006726.D

Acq: 21 Dec 2018 16:23

Instrument :

MSVOA_X

ClientSampleID :

S49-0499DL

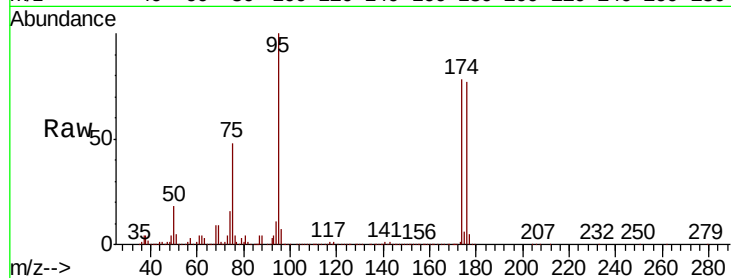
Tot Ion: 75 Resp: 185840

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

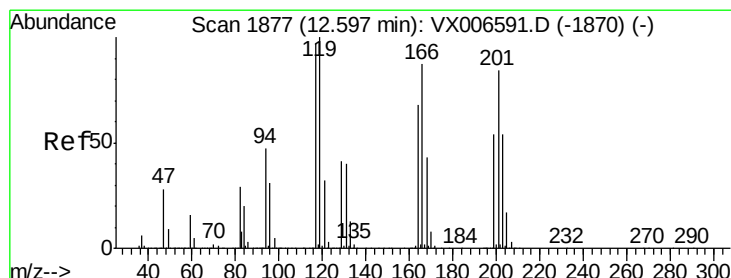
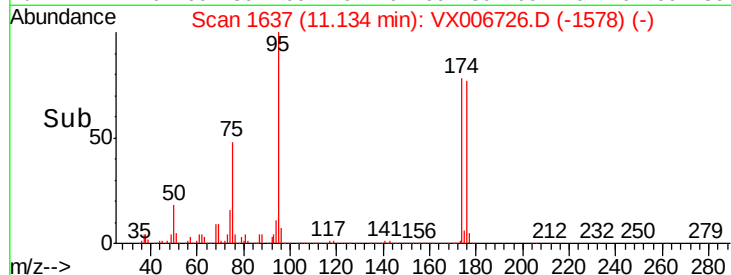
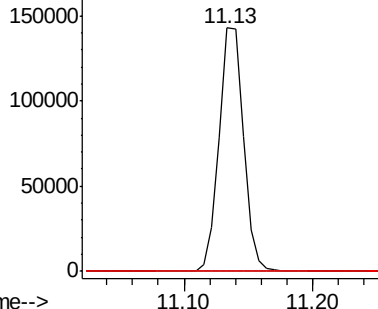
89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#90

Hexachloroethane

Concen: 3.330 ug/l

RT: 12.71 min Scan# 1896

Delta R.T. 0.12 min

Lab File: VX006726.D

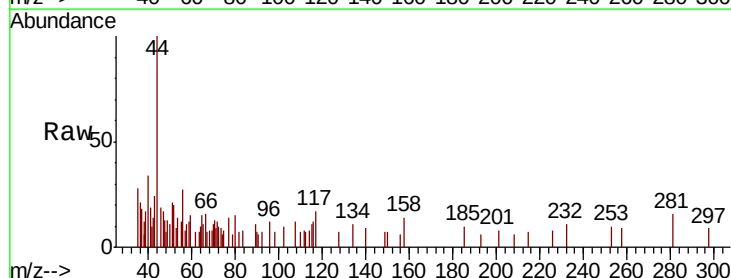
Acq: 21 Dec 2018 16:23

Tgt Ion: 117 Resp: 152

Ion Ratio Lower Upper

117 100

201 53.3 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

