

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006789.D
 Acq On : 24 Dec 2018 12:39
 Operator : JC/MD
 Sample : J6515-04
 Misc : 5.96µ/5mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S72-0051

Quant Time: Dec 25 01:19:01 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	5.66	168	549096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	823487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	757883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	402939	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	284507	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	5.51	113	231706	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	
50) Toluene-d8	8.71	98	973501	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.14	95	358417	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	

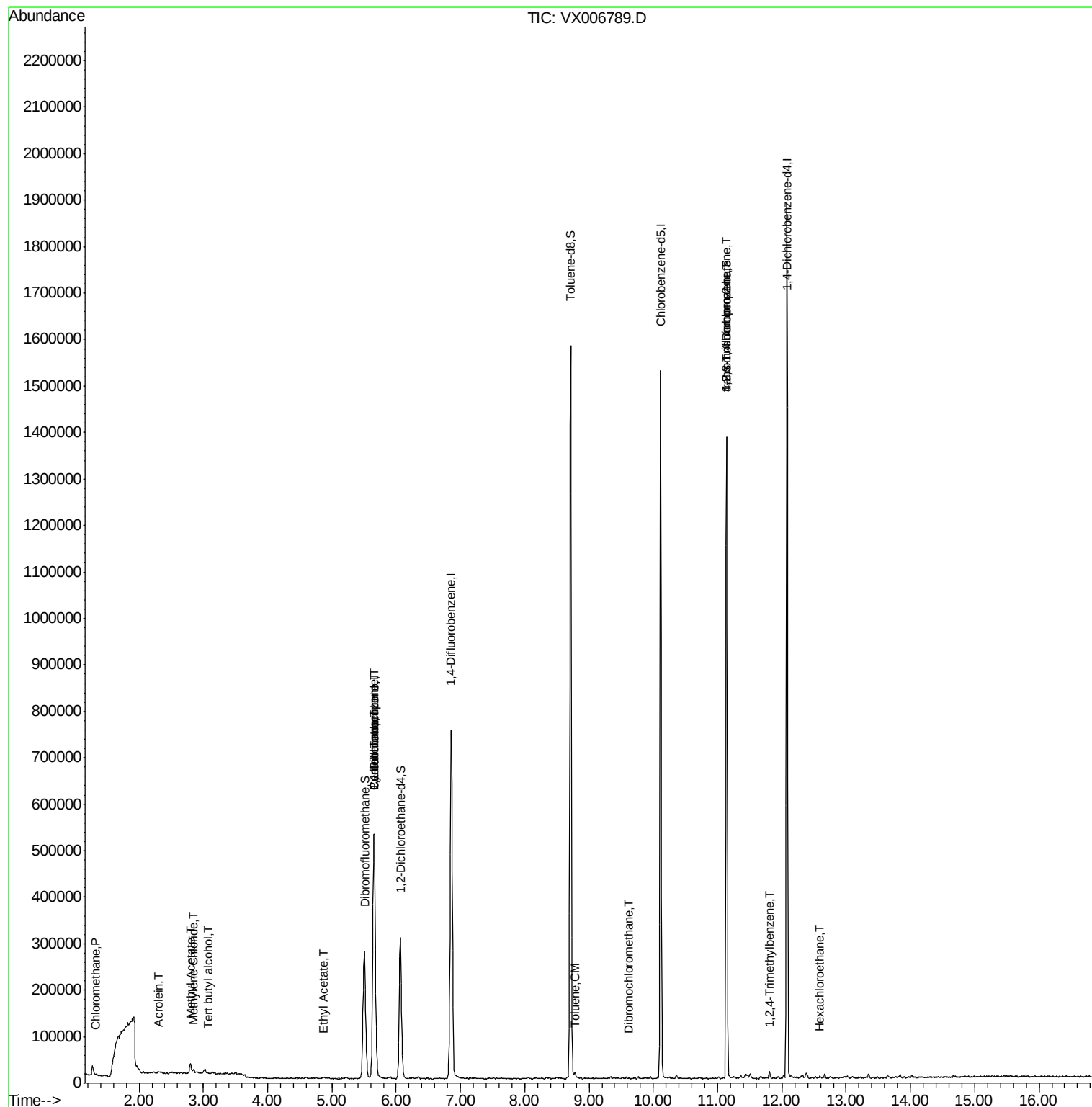
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1230	0.227	ug/l	92
5) Bromomethane	1.64	94	1955	Below Cal		91
11) Tert butyl alcohol	3.08	59	284	0.215	ug/l #	1
13) Acrolein	2.29	56	421	0.473	ug/l #	79
18) Methyl Acetate	2.80	43	27197	3.402	ug/l	100
20) Methylene Chloride	2.85	84	3236	0.576	ug/l	87
28) Bromochloromethane	5.03	49	233	Below Cal	#	4
31) Cyclohexane	5.65	56	9563	1.167	ug/l #	4
36) 1,1-Dichloropropene	5.66	75	34693	5.087	ug/l #	49
37) Ethyl Acetate	4.87	43	2645	0.373	ug/l #	79
38) Carbon Tetrachloride	5.66	117	49683	7.496	ug/l #	15
49) 1,4-Dioxane	7.77	88	199	Below Cal	#	27
52) Toluene	8.78	92	3460	0.258	ug/l	93
60) Dibromochloromethane	9.62	129	60	2.334	ug/l	75
76) 1,2,3-Trichloropropane	11.14	75	167708	22.396	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.14	75	167708	66.620	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	7124	0.298	ug/l	83
90) Hexachloroethane	12.58	117	321	3.371	ug/l #	6

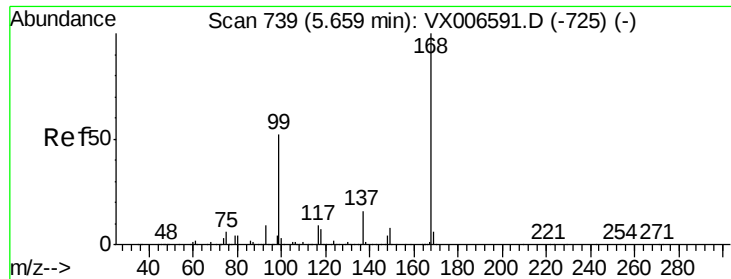
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 25 01:19:01 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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

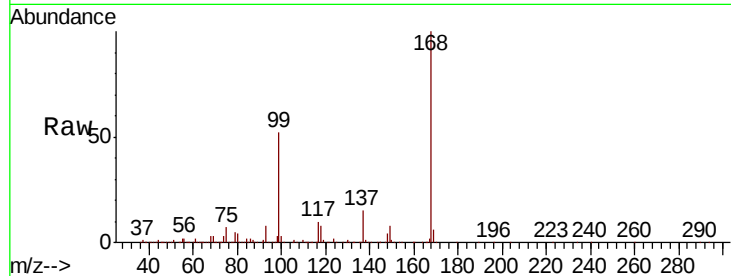
S72-0051

Tot Ion:168 Resp: 549096

Ion Ratio Lower Upper

168 100

99 51.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

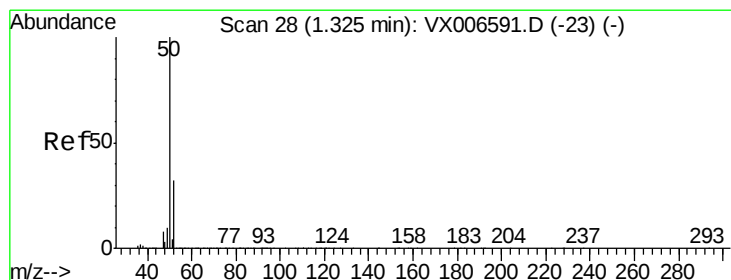
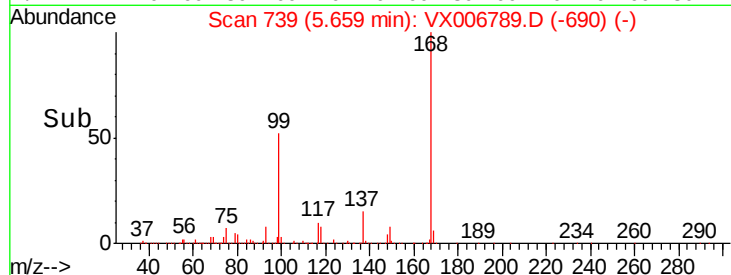
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006789.D

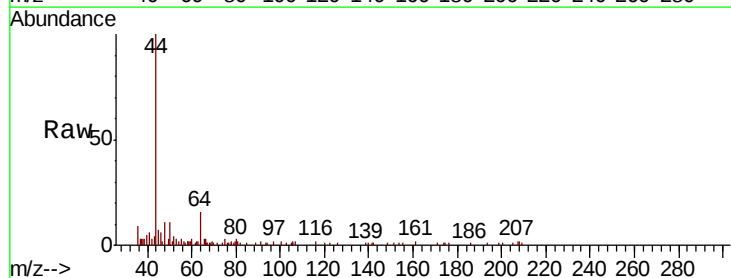
Acq: 24 Dec 2018 12:39

Tgt Ion: 50 Resp: 1230

Ion Ratio Lower Upper

50 100

52 27.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

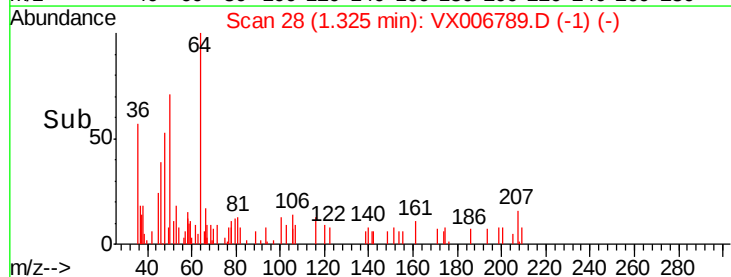
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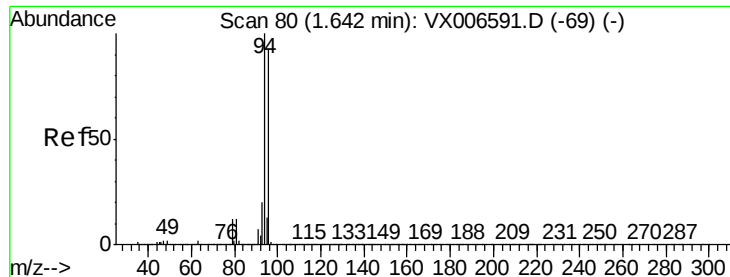
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

Instrument :

MSVOA_X

ClientSampled :

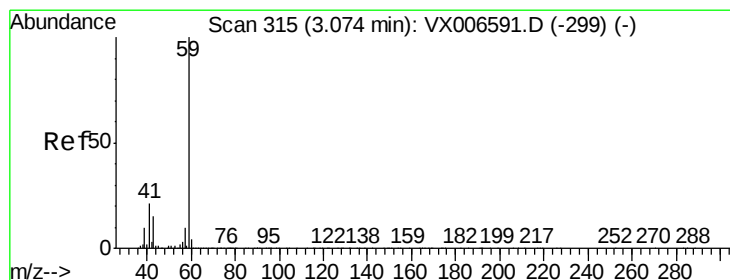
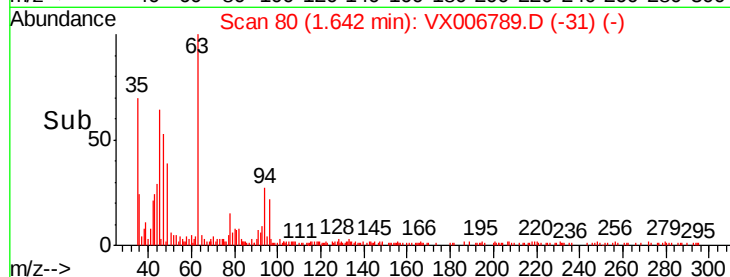
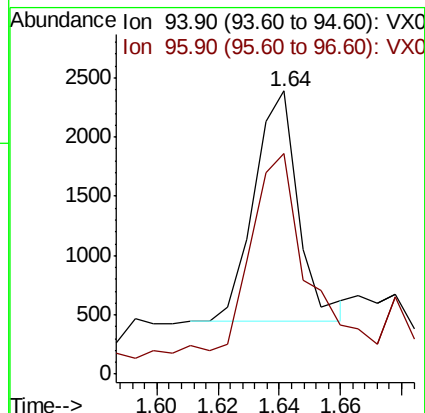
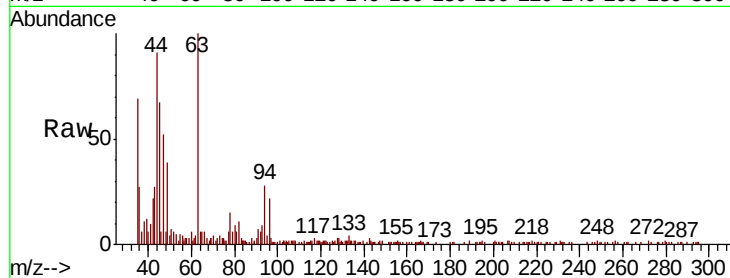
S72-0051

Tot Ion: 94 Resp: 1955

Ion Ratio Lower Upper

94 100

96 83.6 73.4 110.2



#11

Tert butyl alcohol

Concen: 0.215 ug/l

RT: 3.08 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX006789.D

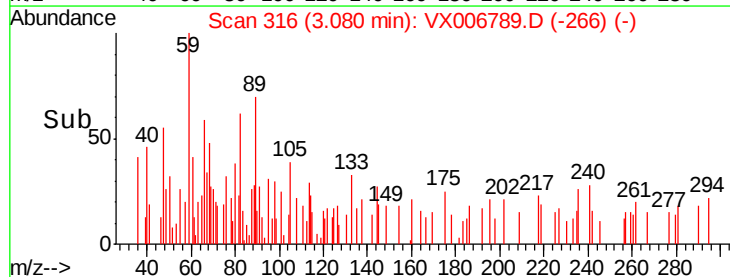
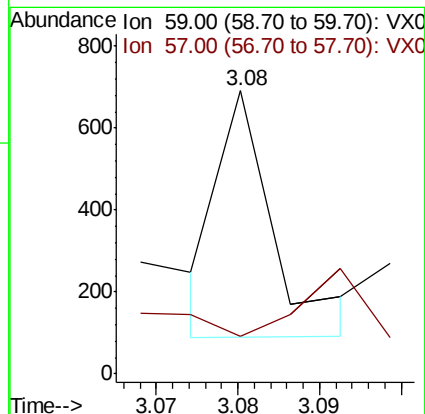
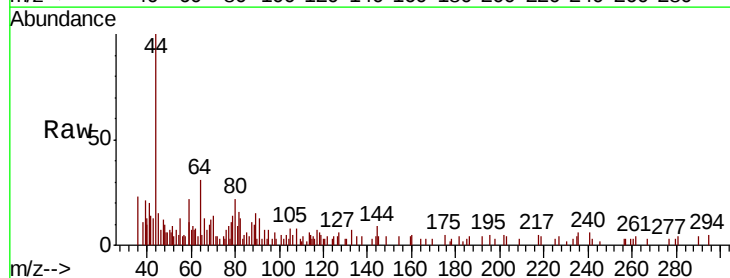
Acq: 24 Dec 2018 12:39

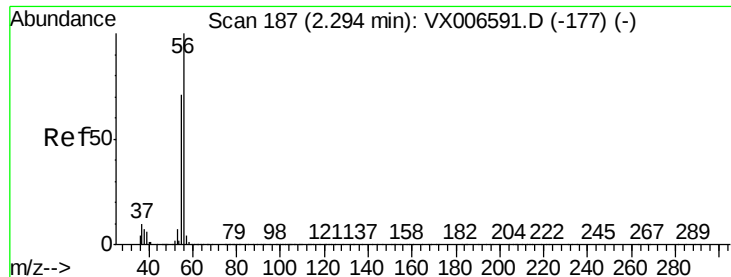
Tgt Ion: 59 Resp: 284

Ion Ratio Lower Upper

59 100

57 100.4 8.5 12.7#





#13

Acrolein

Concen: 0.473 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

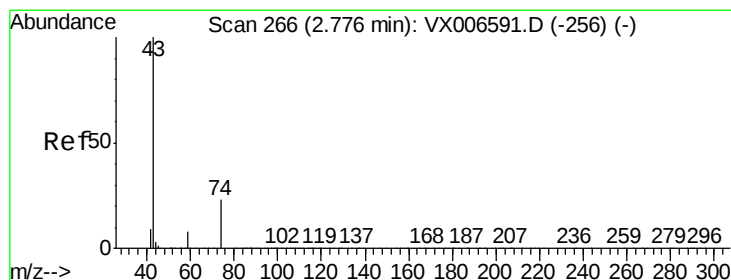
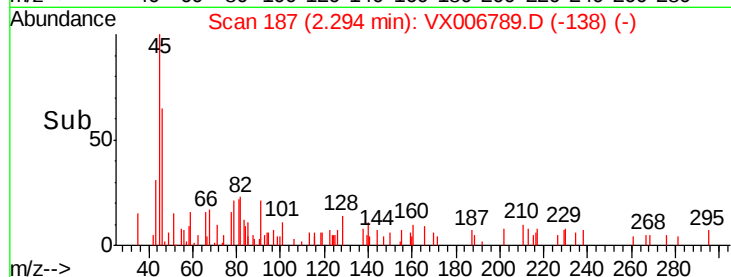
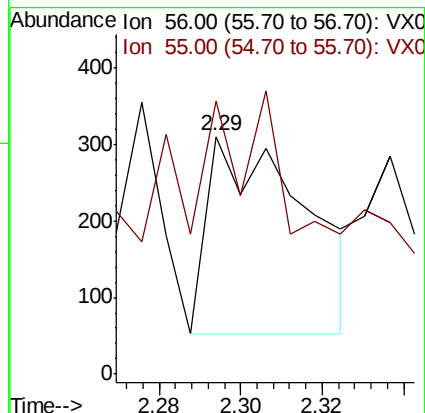
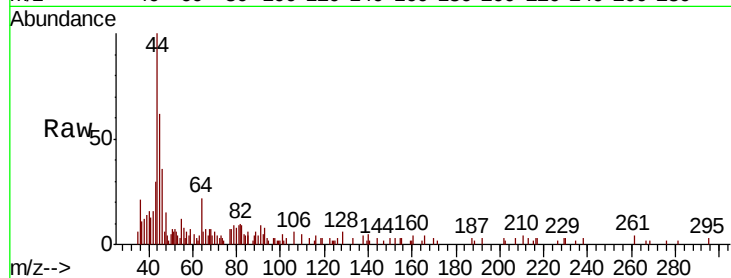
S72-0051

Tot Ion: 56 Resp: 421

Ion Ratio Lower Upper

56 100

55 55.1 58.2 87.4#



#18

Methyl Acetate

Concen: 3.402 ug/l

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX006789.D

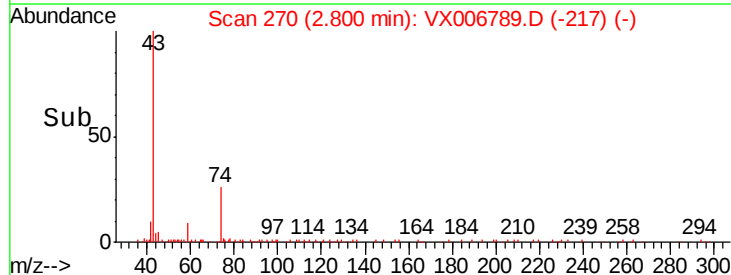
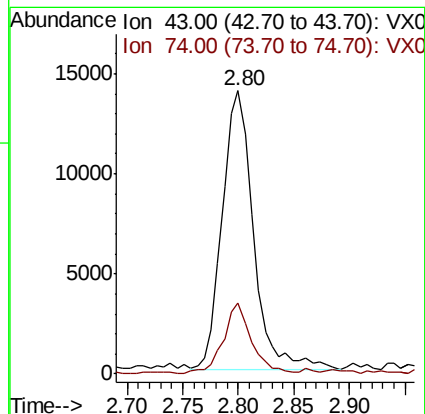
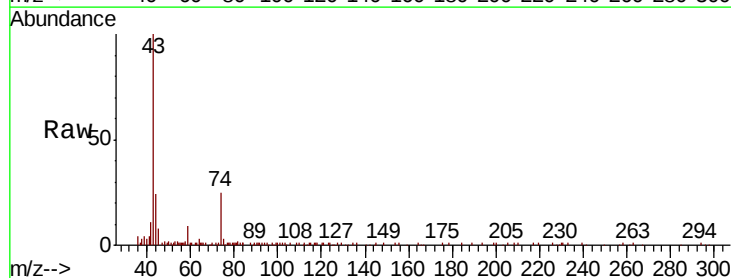
Acq: 24 Dec 2018 12:39

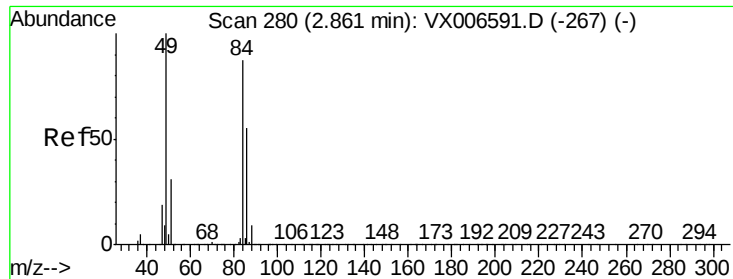
Tgt Ion: 43 Resp: 27197

Ion Ratio Lower Upper

43 100

74 23.1 18.6 28.0

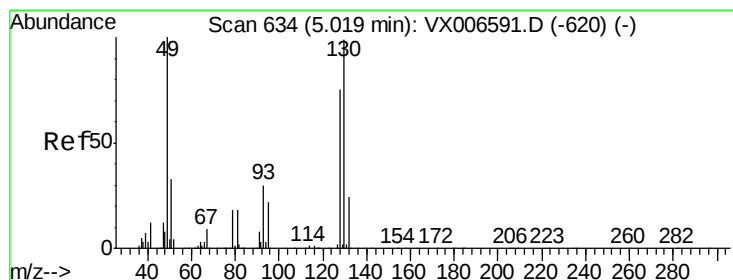
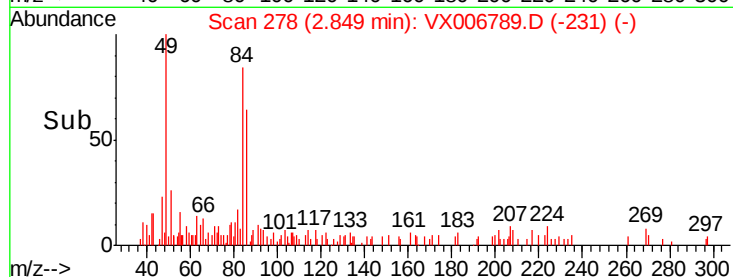
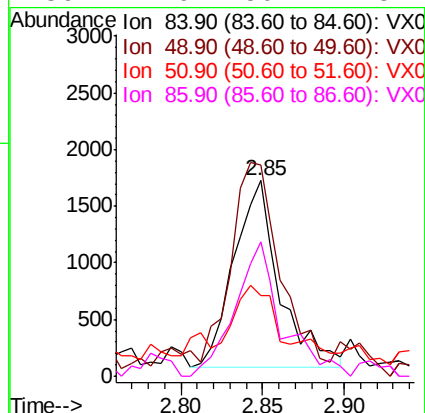
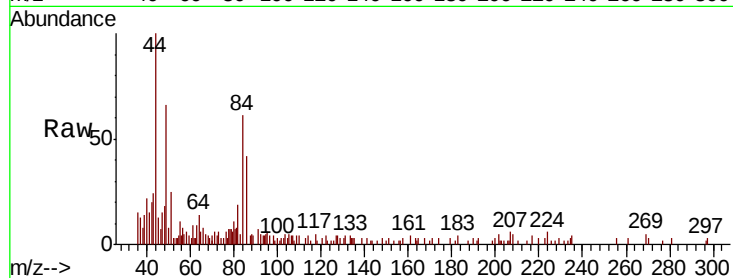




#20
Methvlene Chloride
Concen: 0.576 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX006789.D
Acq: 24 Dec 2018 12:39

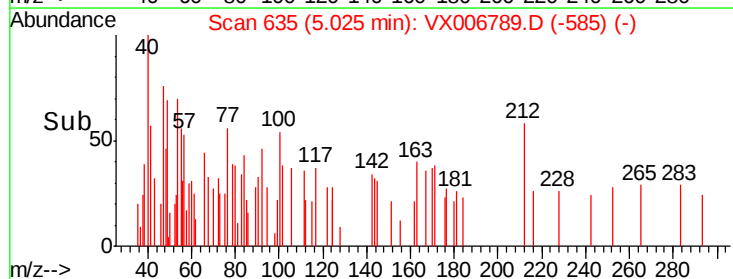
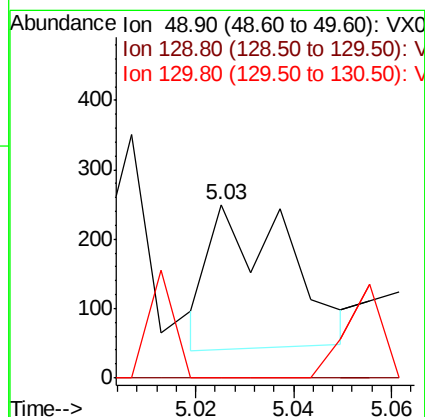
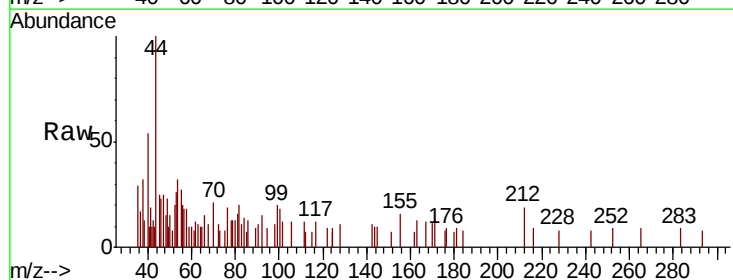
Instrument :
MSVOA_X
ClientSampleId :
S72-0051

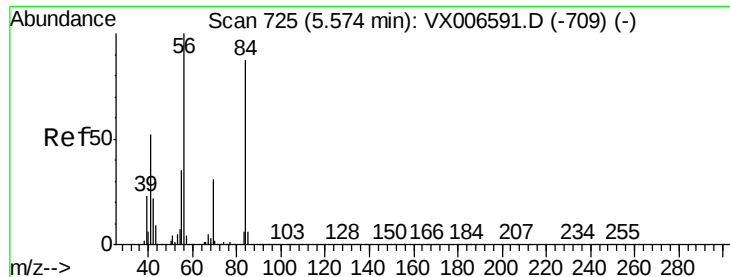
Tot Ion:	84	Resp:	3236
Ion	Ratio	Lower	Upper
84	100		
49	99.3	91.8	137.6
51	30.4	28.5	42.7
86	71.9	50.2	75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX006789.D
Acq: 24 Dec 2018 12:39

Tgt Ion:	49	Resp:	233
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	0.0	77.7	116.5#

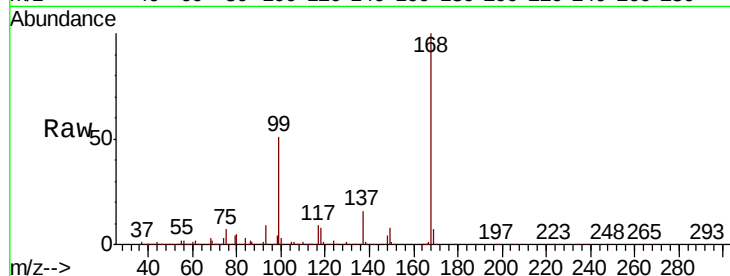




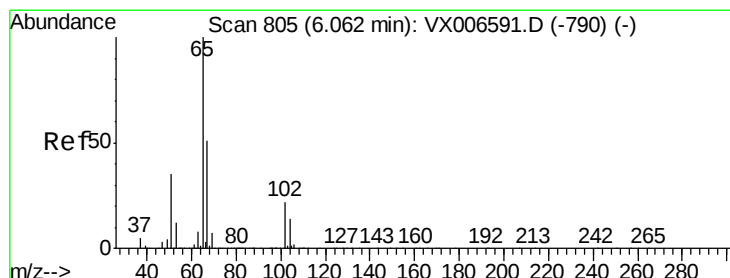
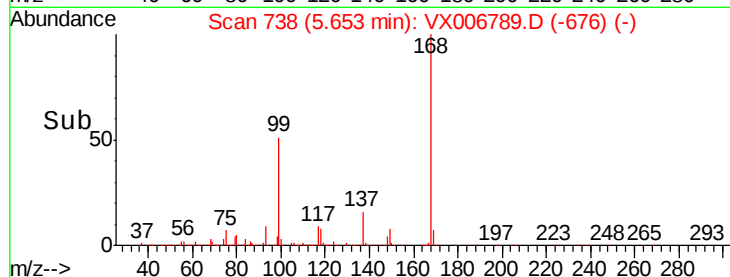
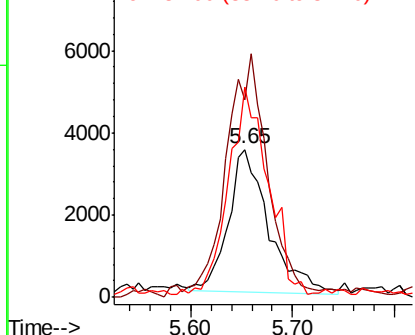
#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006789.D
Acq: 24 Dec 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
S72-0051

Tot Ion: 56 Resp: 9563
Ion Ratio Lower Upper
56 100
69 135.2 24.4 36.6#
84 145.8 70.0 105.0#

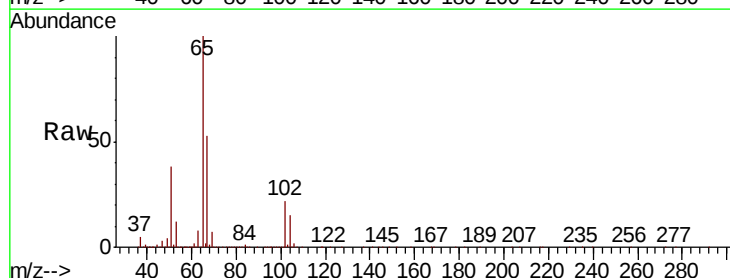


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

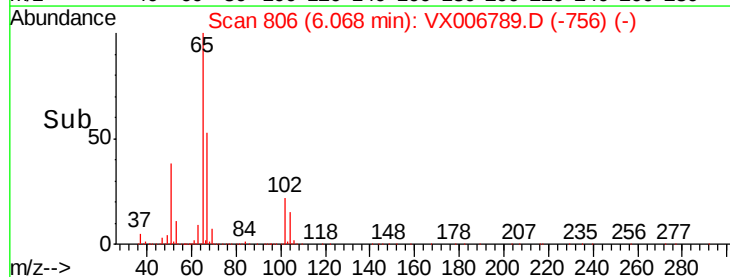
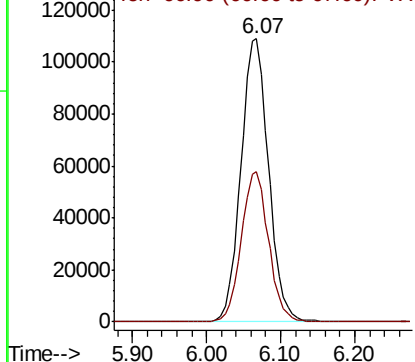


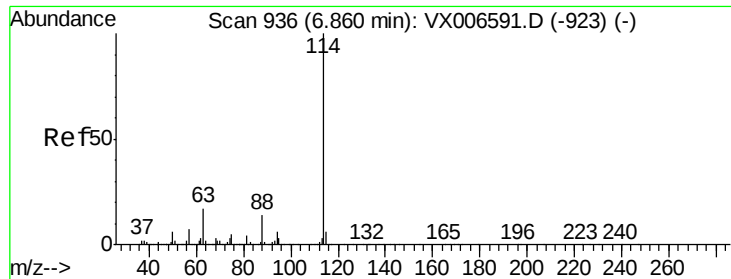
#33
1,2-Dichloroethane-d4
Concen: 48.076 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006789.D
Acq: 24 Dec 2018 12:39

Tgt Ion: 65 Resp: 284507
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.0



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

S72-0051

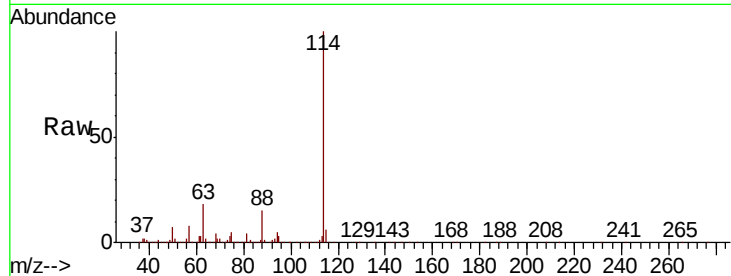
Tot Ion:114 Resp: 823487

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.8

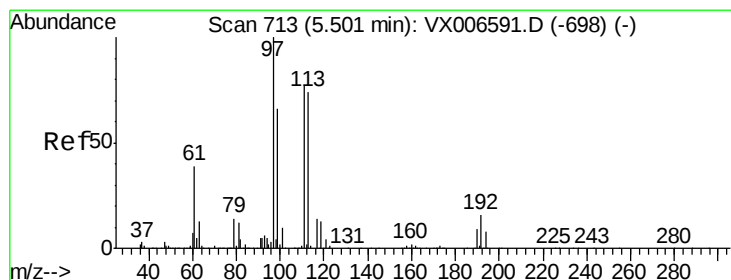
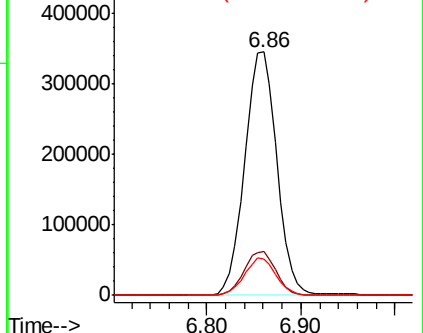
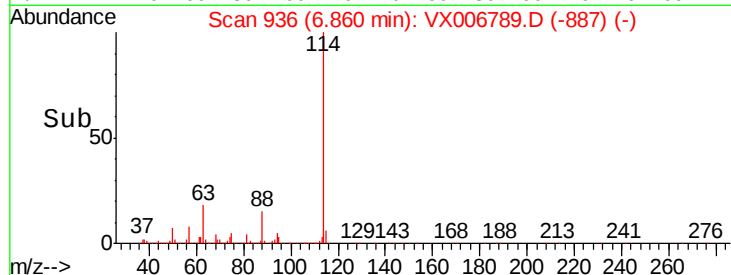
88 14.9 0.0 28.8



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: 44.494 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

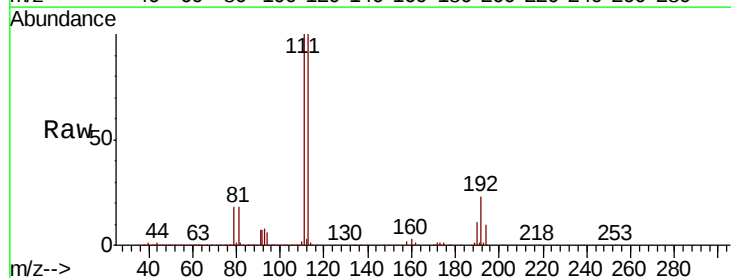
Tgt Ion:113 Resp: 231706

Ion Ratio Lower Upper

113 100

111 100.9 81.6 122.4

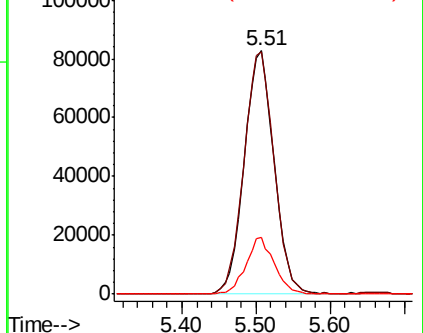
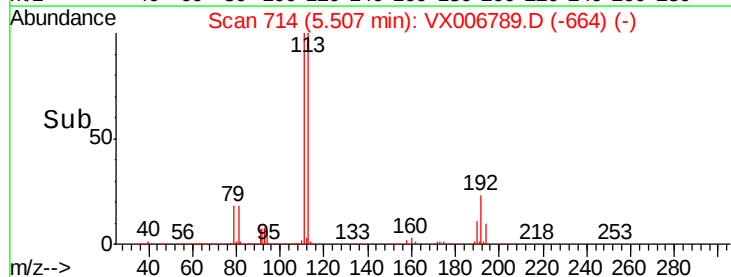
192 21.9 16.7 25.1

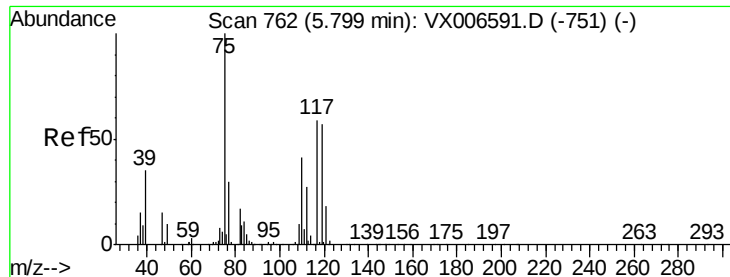


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.087 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

S72-0051

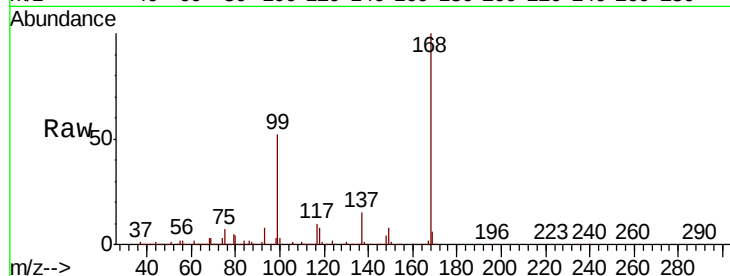
Tot Ion: 75 Resp: 34693

Ion Ratio Lower Upper

75 100

110 11.0 20.2 60.5#

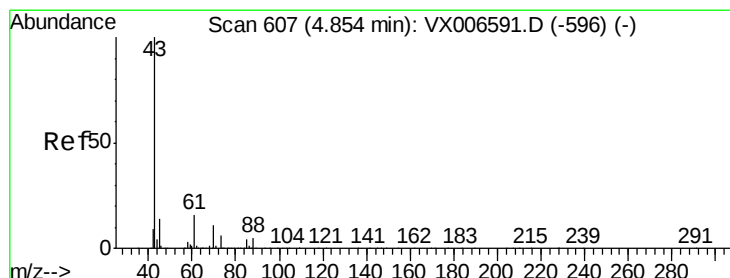
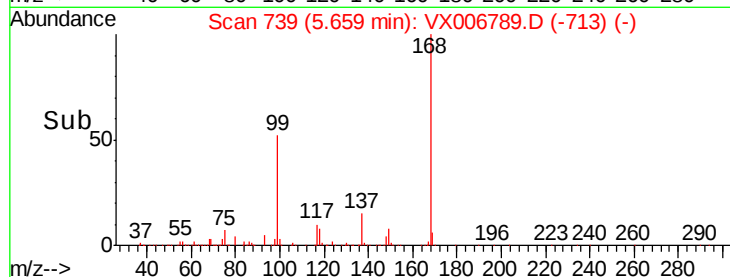
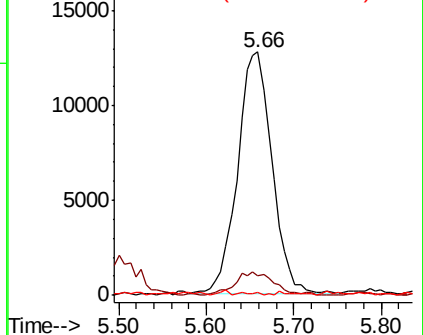
77 0.4 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.373 ug/l

RT: 4.87 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

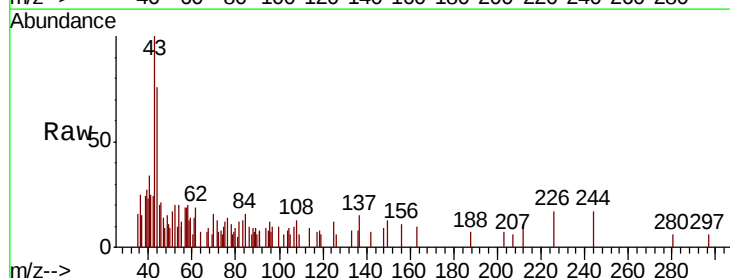
Tgt Ion: 43 Resp: 2645

Ion Ratio Lower Upper

43 100

61 3.3 11.9 17.9#

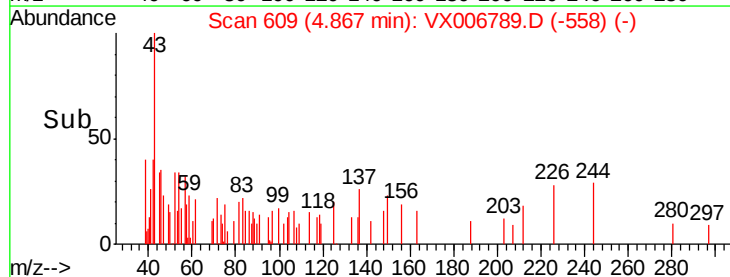
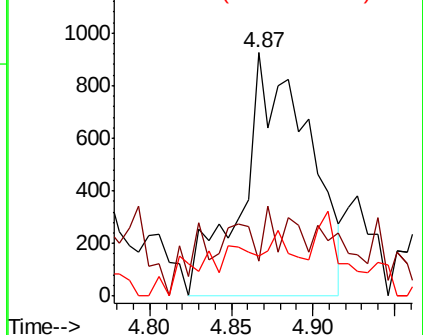
70 6.9 9.7 14.5#

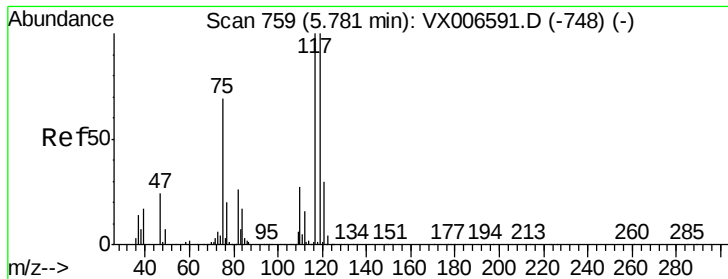


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 7.496 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

S72-0051

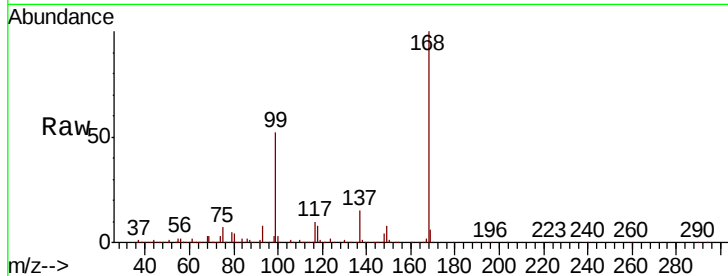
Tot Ion:117 Resp: 49683

Ion Ratio Lower Upper

117 100

119 5.1 79.4 119.2#

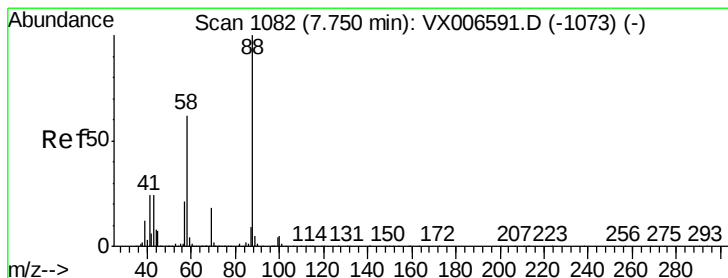
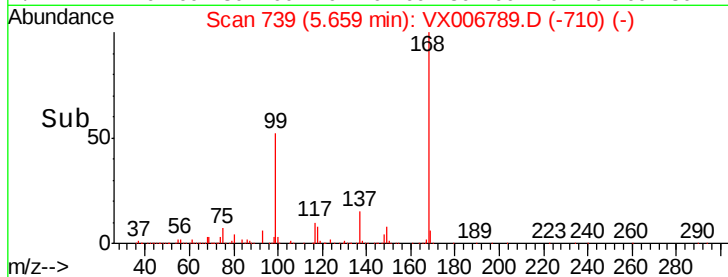
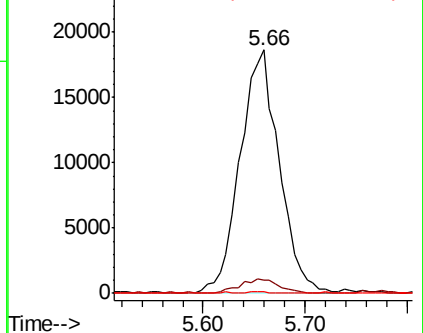
121 0.6 24.0 36.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

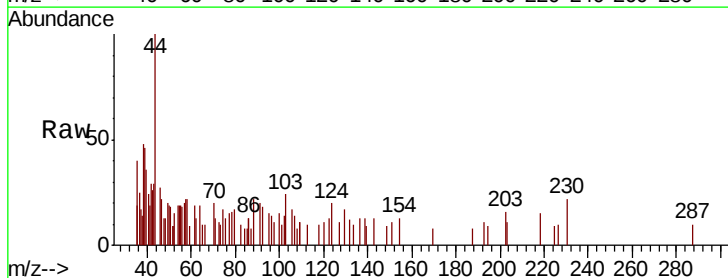
Tgt Ion: 88 Resp: 199

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

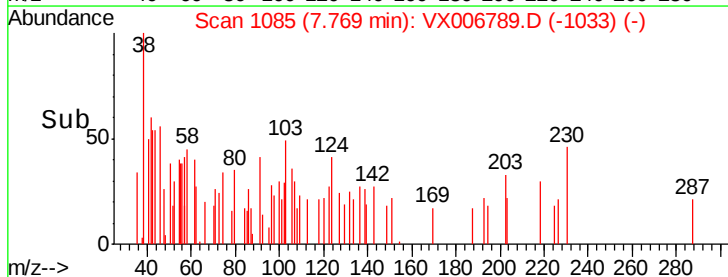
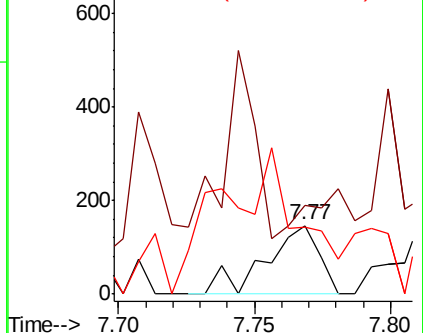
58 0.0 51.0 76.4#

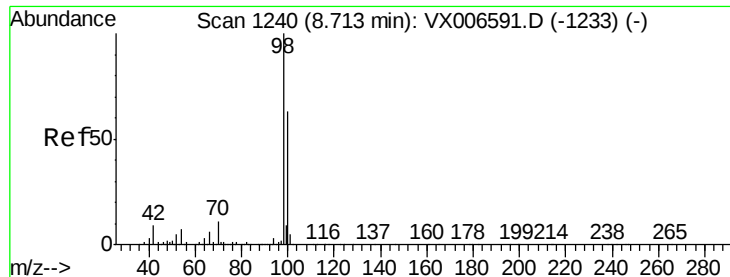


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.586 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

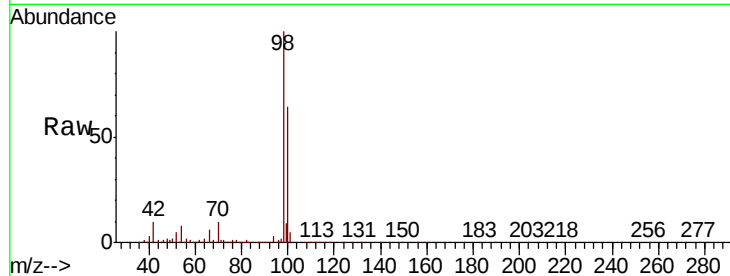
S72-0051

Tot Ion: 98 Resp: 973501

Ion Ratio Lower Upper

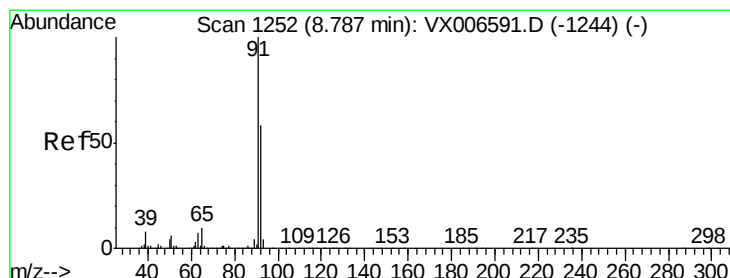
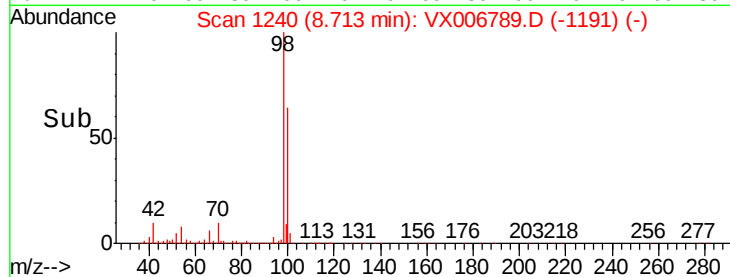
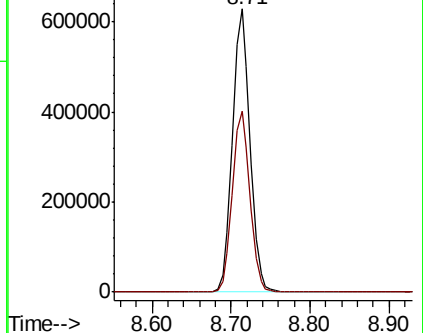
98 100

100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 0.258 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006789.D

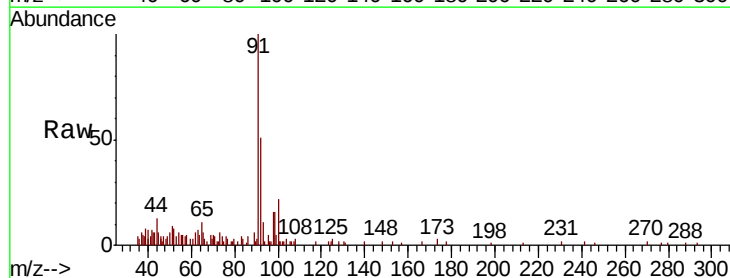
Acq: 24 Dec 2018 12:39

Tgt Ion: 92 Resp: 3460

Ion Ratio Lower Upper

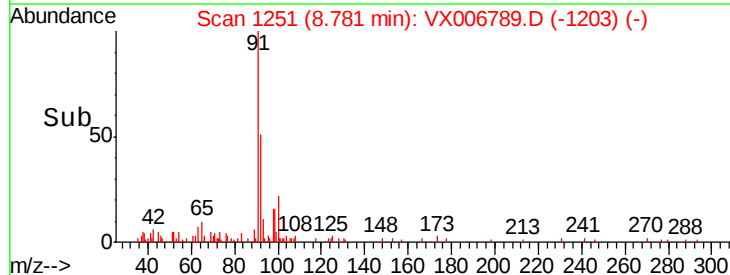
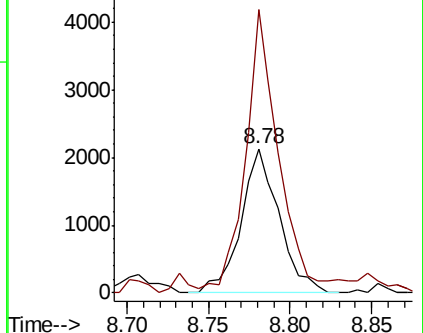
92 100

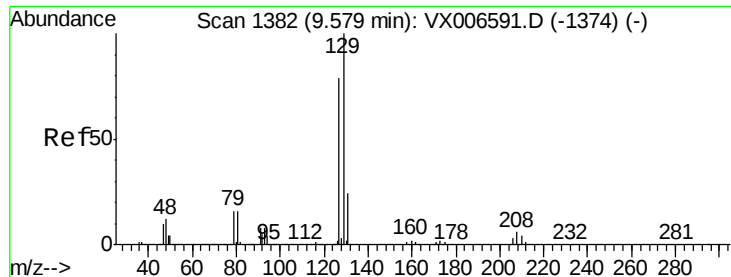
91 162.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#60

Dibromochloromethane

Concen: 2.334 ug/l

RT: 9.62 min Scan# 1389

Delta R.T. 0.04 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

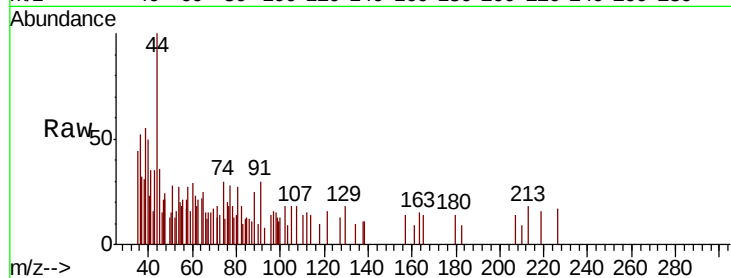
S72-0051

Tot Ion:129 Resp: 60

Ion Ratio Lower Upper

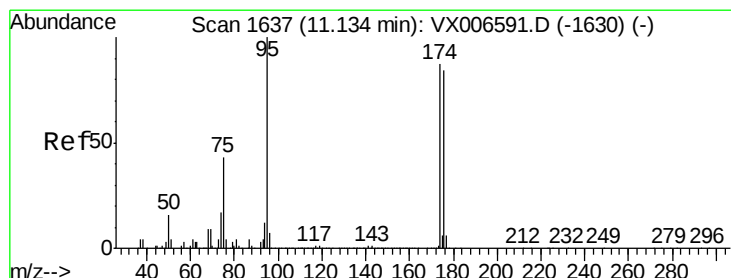
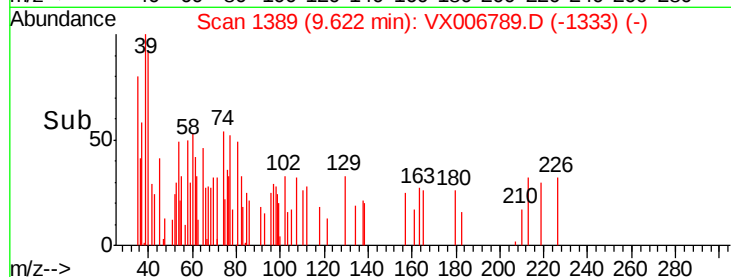
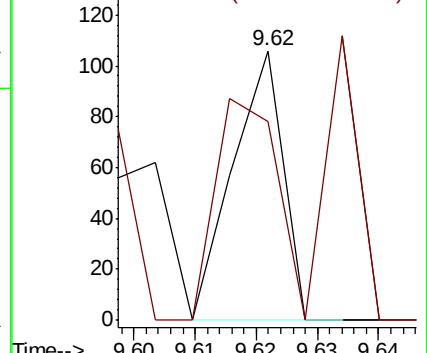
129 100

127 100.0 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.847 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

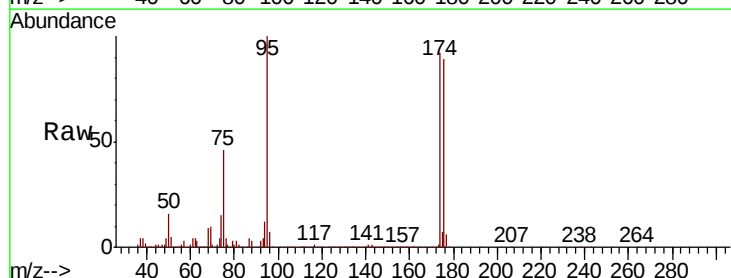
Tgt Ion: 95 Resp: 358417

Ion Ratio Lower Upper

95 100

174 91.0 0.0 182.2

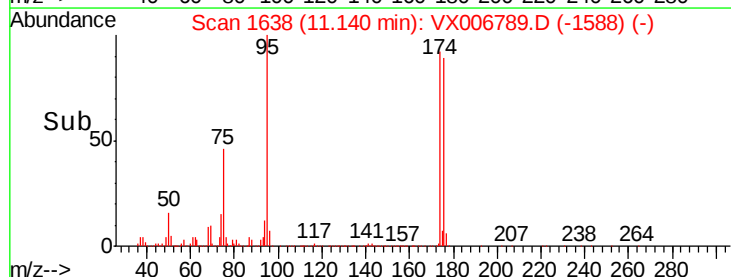
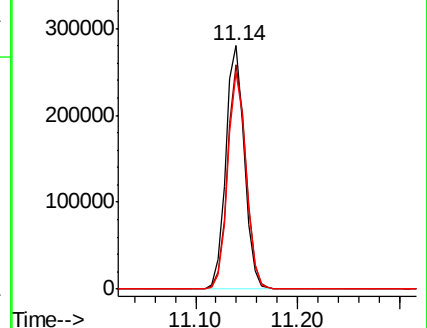
176 87.3 0.0 178.8

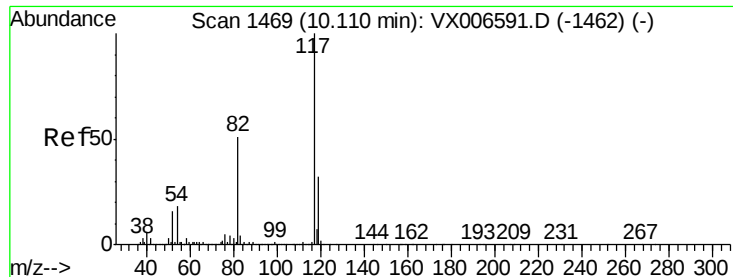


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

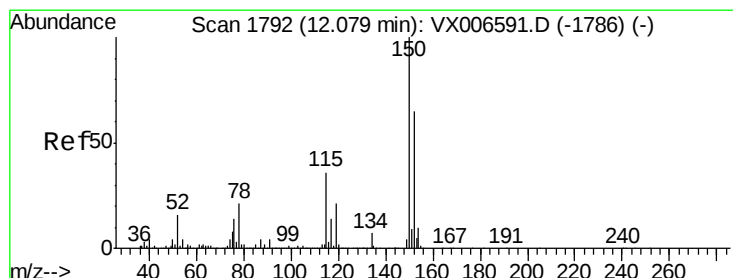
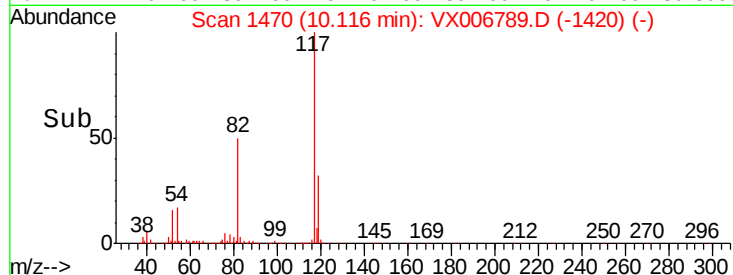
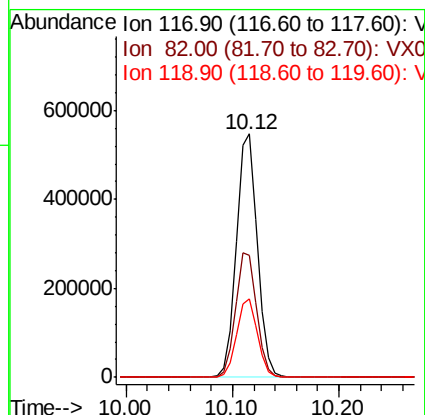
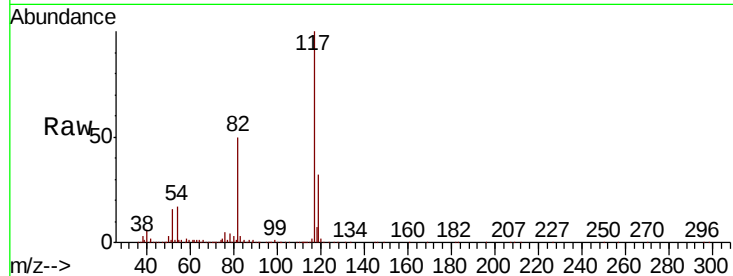




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006789.D
Acq: 24 Dec 2018 12:39

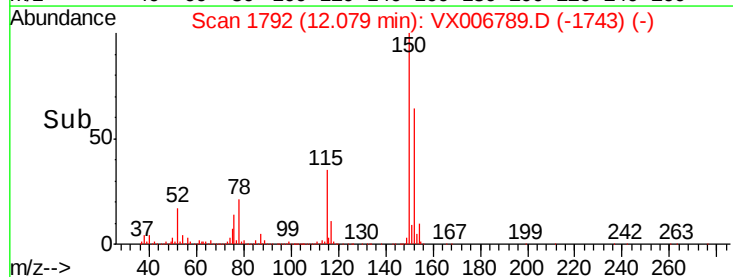
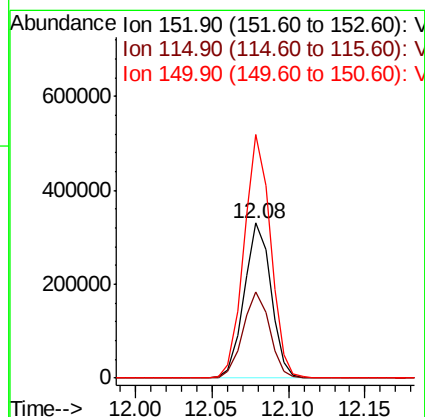
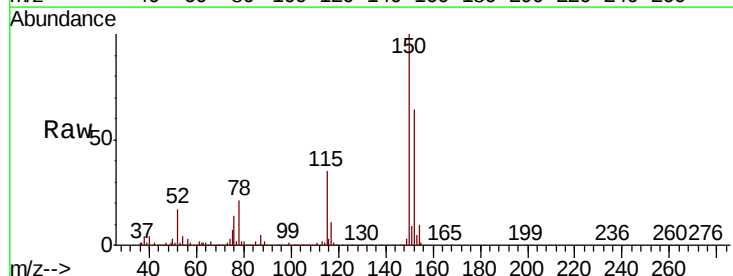
Instrument :
MSVOA_X
ClientSampleId :
S72-0051

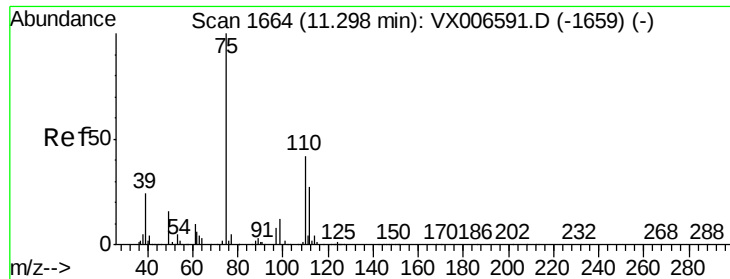
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	41.0	61.6
119	32.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006789.D
Acq: 24 Dec 2018 12:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	39.1	117.2
150	155.2	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 22.396 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

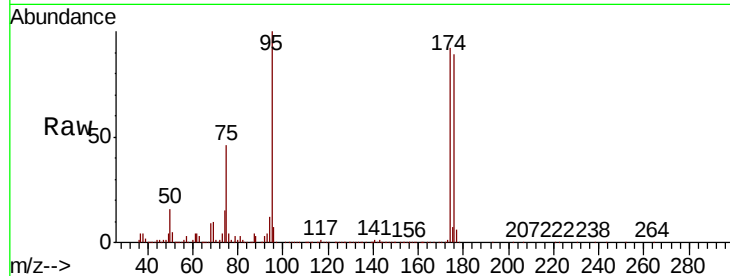
S72-0051

Tot Ion: 75 Resp: 167708

Ion Ratio Lower Upper

75 100

77 1.6 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

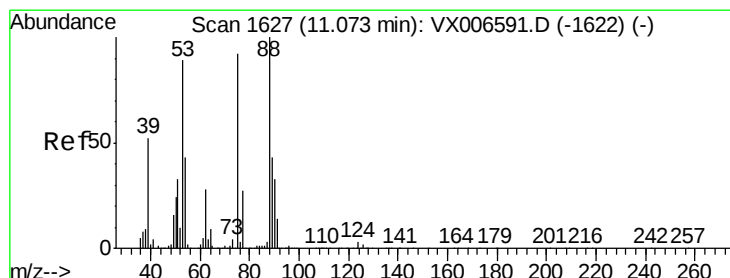
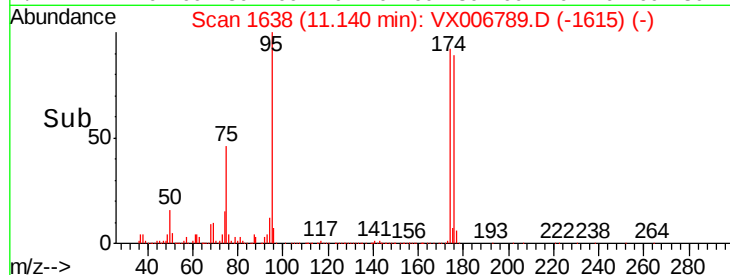
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 66.620 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

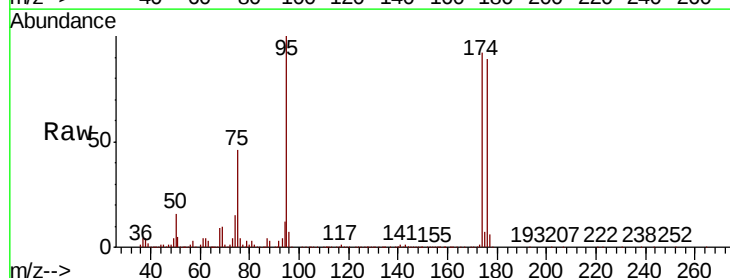
Tgt Ion: 75 Resp: 167708

Ion Ratio Lower Upper

75 100

53 0.2 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

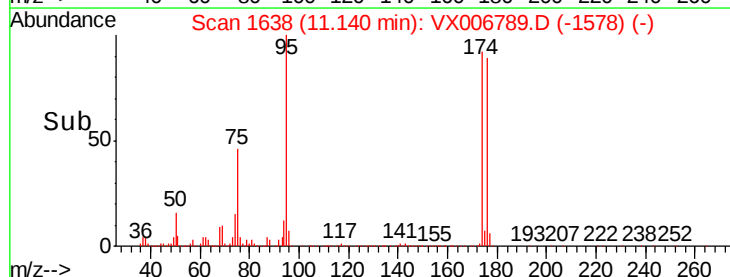
150000

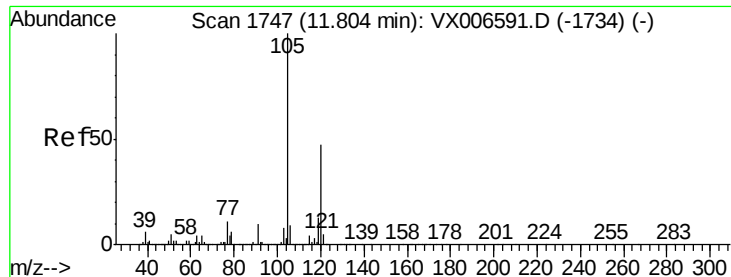
100000

50000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 0.298 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX006789.D

Acq: 24 Dec 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

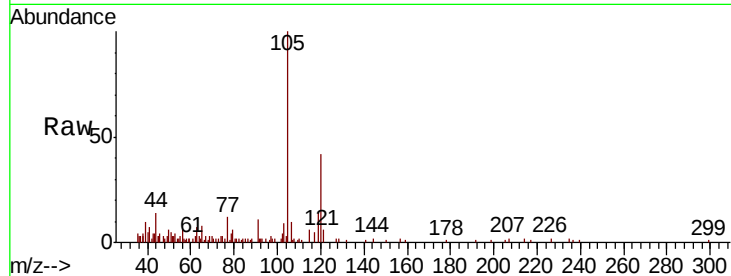
S72-0051

Tot Ion:105 Resp: 7124

Ion Ratio Lower Upper

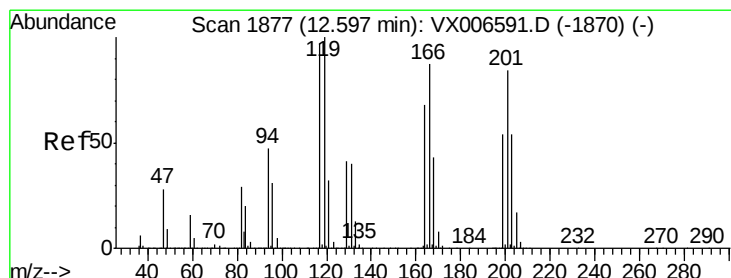
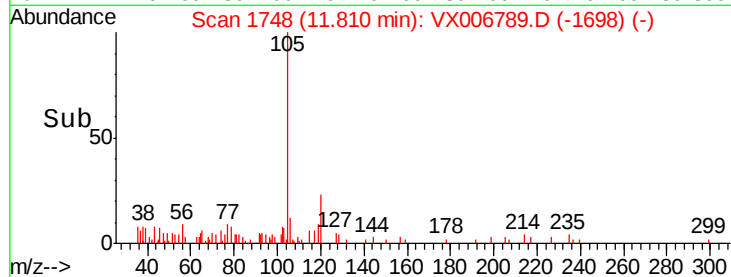
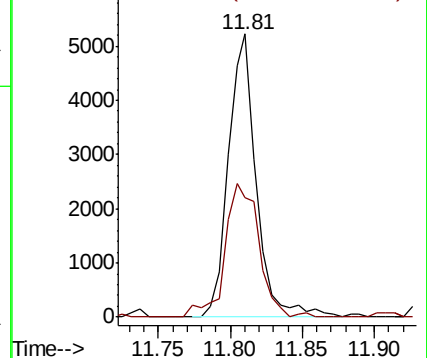
105 100

120 57.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: 3.371 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX006789.D

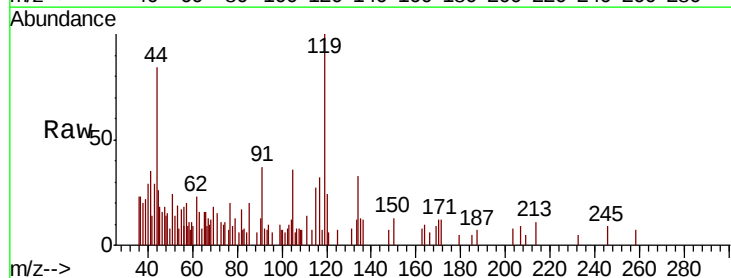
Acq: 24 Dec 2018 12:39

Tgt Ion:117 Resp: 321

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

