

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101018\
 Data File : VX005239.D
 Acq On : 11 Oct 2018 07:39
 Operator : JC/MD
 Sample : J5284-09DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-120D1-20181002DL

Quant Time: Oct 11 08:10:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267244	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	271302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149681	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	138417	56.40	ug/l	0.00
Spiked Amount			Recovery	=	112.80%	
35) Dibromofluoromethane	5.50	113	114297	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	8.72	98	393126	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.14	95	140613	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	

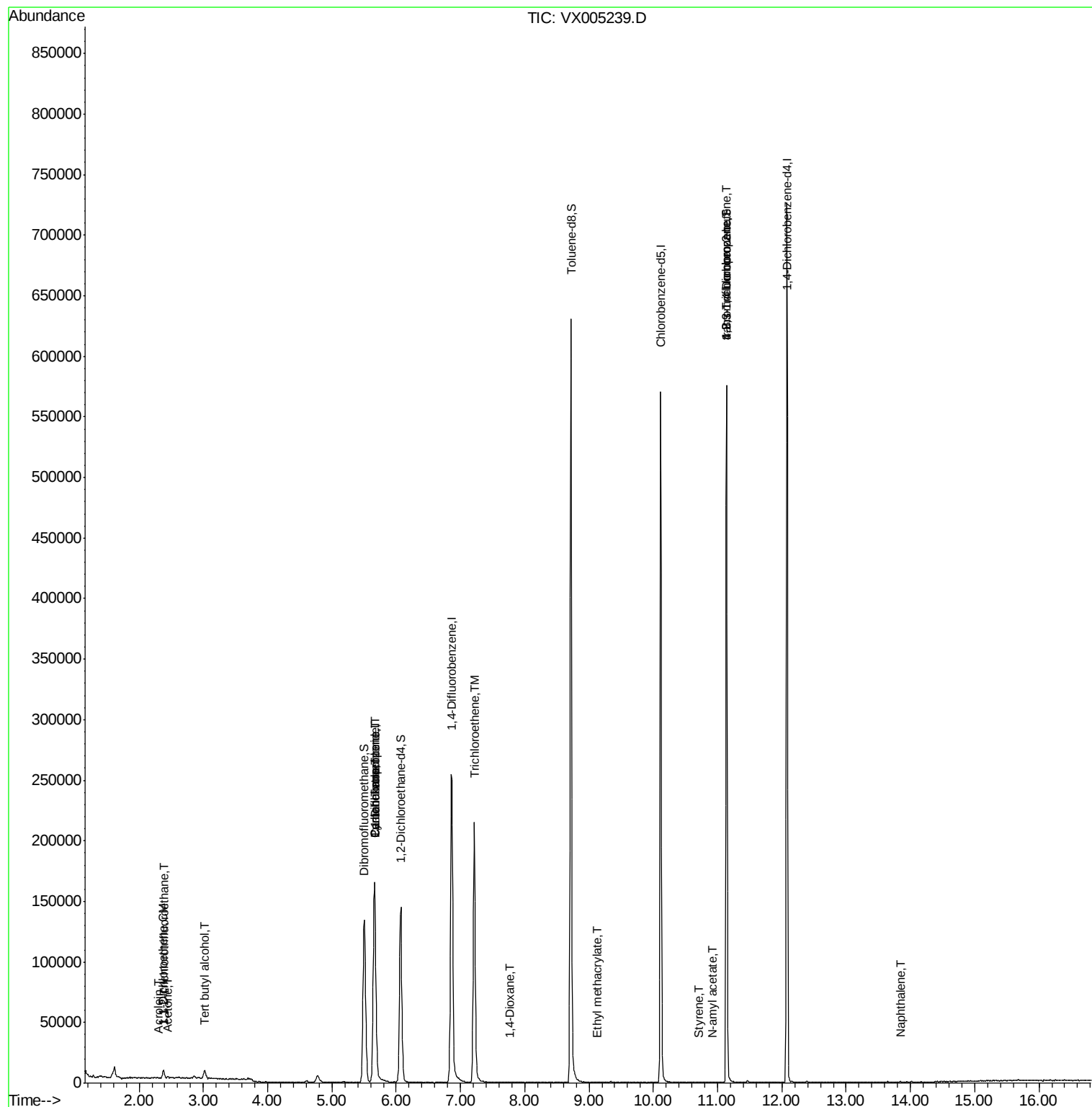
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.68	64	102	Below Cal	#	45
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1508	0.802	ug/l	94
11) Tert butyl alcohol	3.02	59	4301	6.267	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	1164	0.625	ug/l	93
13) Acrolein	2.30	56	179	0.367	ug/l	83
16) Acetone	2.45	43	1396	0.974	ug/l	97
20) Methylene Chloride	2.86	84	958	Below Cal		95
31) Cyclohexane	5.66	56	3445	1.103	ug/l #	5
36) 1,1-Dichloropropene	5.67	75	12172	3.939	ug/l #	46
38) Carbon Tetrachloride	5.67	117	14980	4.612	ug/l #	18
44) Trichloroethene	7.21	130	87678	36.866	ug/l	99
49) 1,4-Dioxane	7.76	88	74	1.108	ug/l #	9
56) Ethyl methacrylate	9.12	69	19	2.867	ug/l #	1
70) Styrene	10.71	104	26	2.144	ug/l #	42
74) N-amyl acetate	10.91	43	48	1.757	ug/l #	19
76) 1,2,3-Trichloropropane	11.14	75	68976	20.560	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	131	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	68976	55.833	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	127	Below Cal		83
95) Naphthalene	13.83	128	192	0.735	ug/l #	83

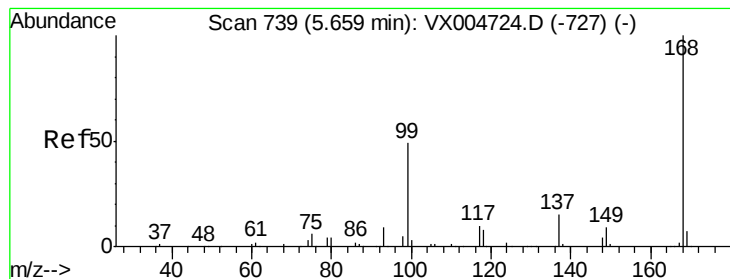
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101018\
Data File : VX005239.D
Acq On : 11 Oct 2018 07:39
Operator : JC/MD
Sample : J5284-09DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE-120D1-20181002DL

Quant Time: Oct 11 08:10:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 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: VX005239.D

Acq: 11 Oct 2018 07:39

Instrument :

MSVOA_X

ClientSampleId :

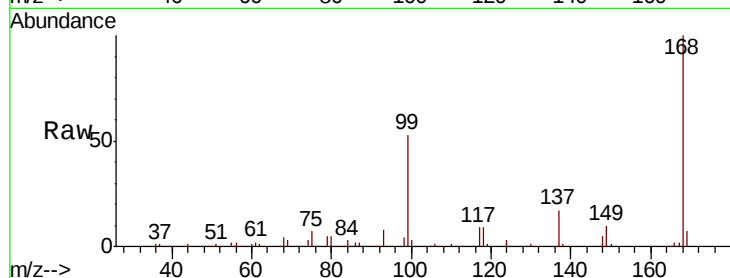
RE-120D1-20181002DL

Tot Ion:168 Resp: 171809

Ion Ratio Lower Upper

168 100

99 53.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

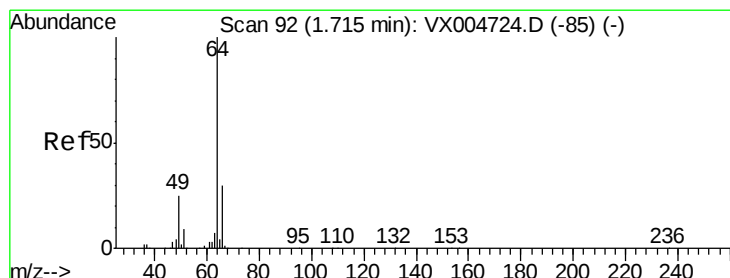
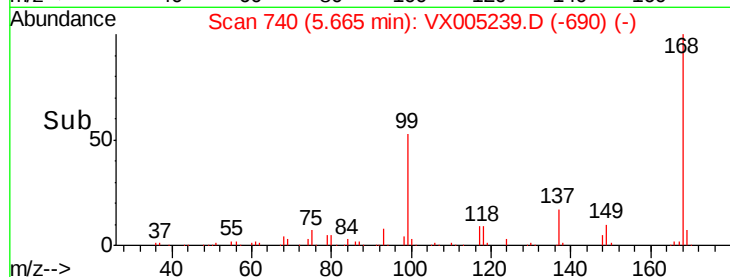
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX005239.D

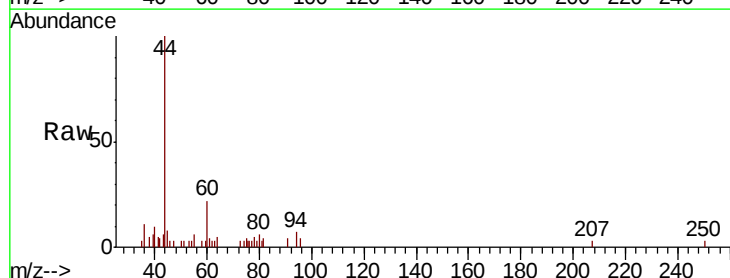
Acq: 11 Oct 2018 07:39

Tgt Ion: 64 Resp: 102

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.68

100

80

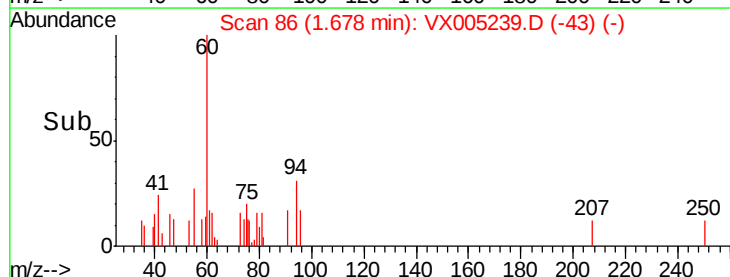
60

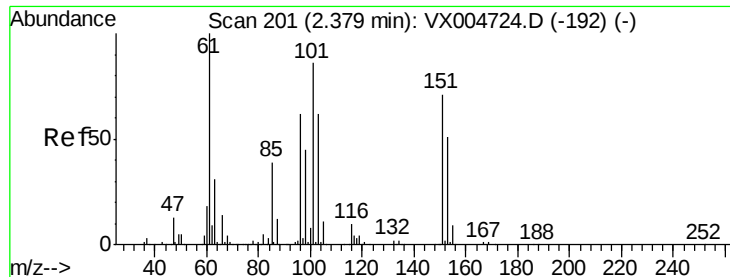
40

20

0

Time--> 1.64 1.66 1.68 1.70 1.72





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.802 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

Instrument :

MSVOA_X

ClientSampleId :

RE-120D1-20181002DL

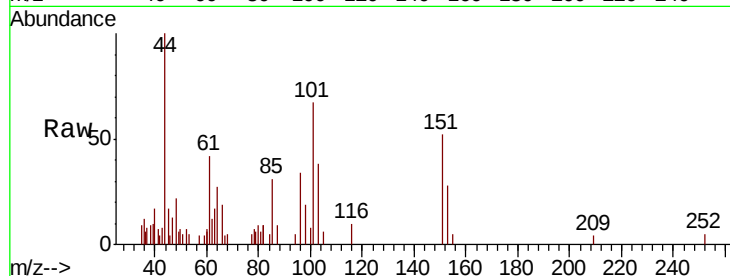
Tot Ion:101 Resp: 1508

Ion Ratio Lower Upper

101 100

85 53.1 35.9 53.9

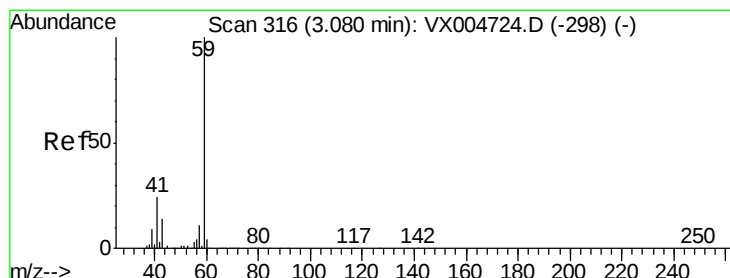
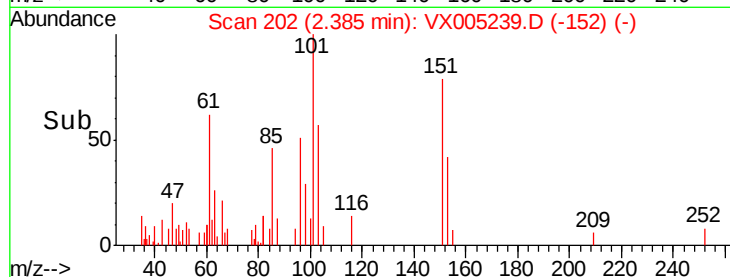
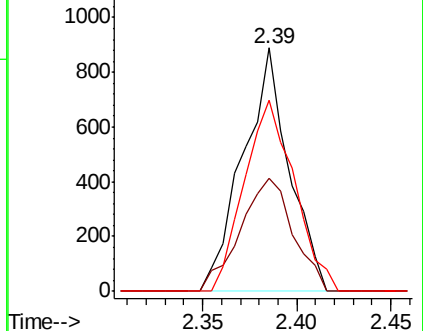
151 85.2 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 6.267 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005239.D

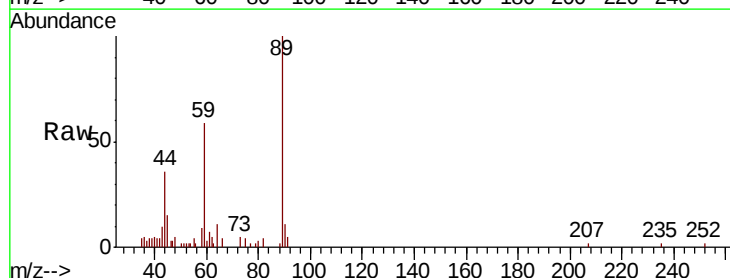
Acq: 11 Oct 2018 07:39

Tgt Ion: 59 Resp: 4301

Ion Ratio Lower Upper

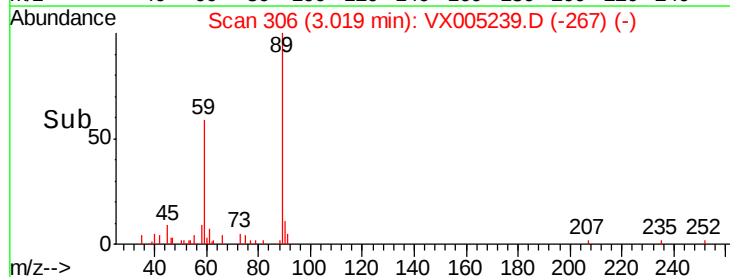
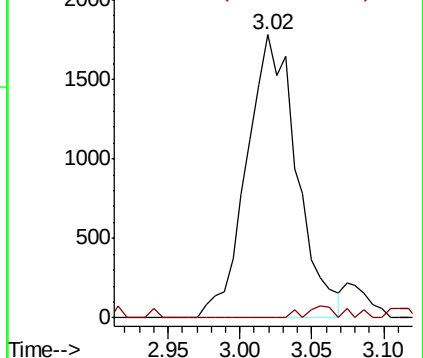
59 100

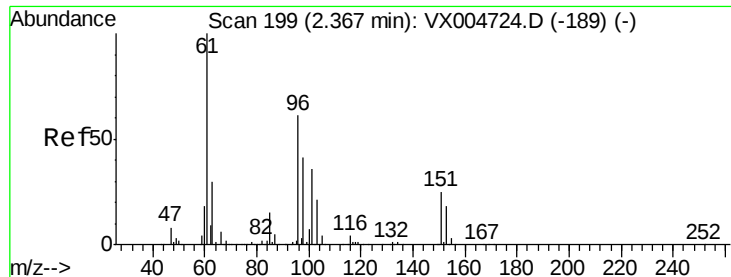
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

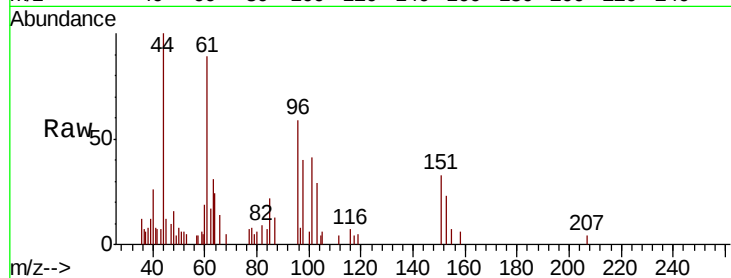




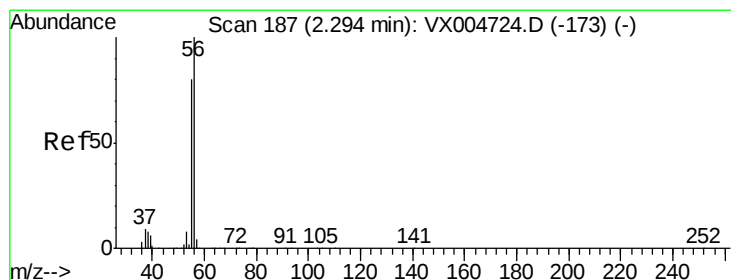
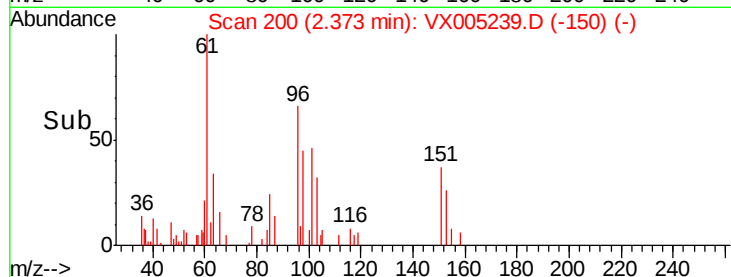
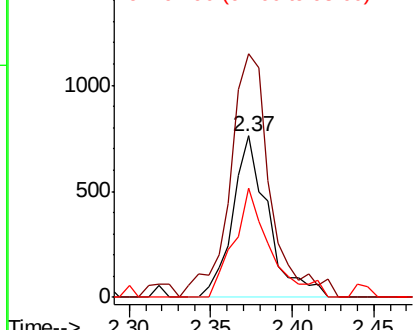
#12
 1,1-Dichloroethene
 Concen: 0.625 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX005239.D
 Acq: 11 Oct 2018 07:39

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-120D1-20181002DL

Tot Ion: 96 Resp: 1164
 Ion Ratio Lower Upper
 96 100
 61 150.9 130.2 195.4
 98 67.7 53.4 80.0

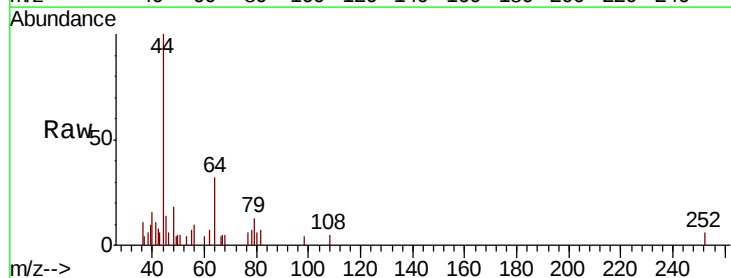


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

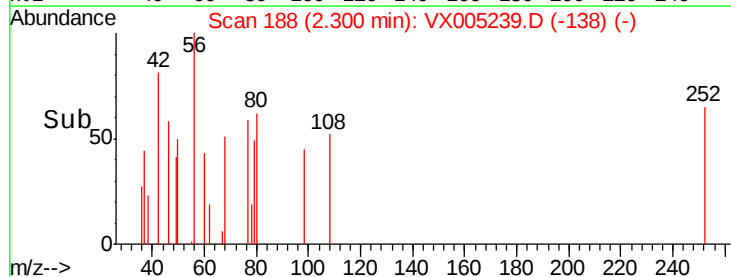
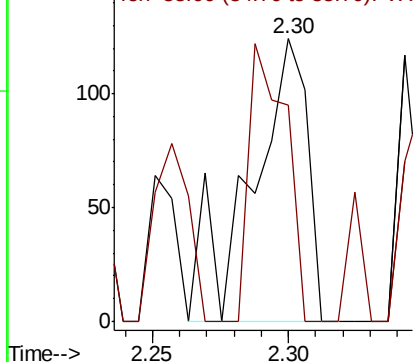


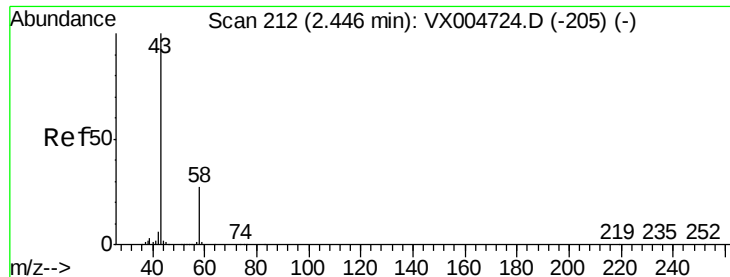
#13
 Acrolein
 Concen: 0.367 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005239.D
 Acq: 11 Oct 2018 07:39

Tgt Ion: 56 Resp: 179
 Ion Ratio Lower Upper
 56 100
 55 64.2 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.974 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

Instrument :

MSVOA_X

ClientSampleId :

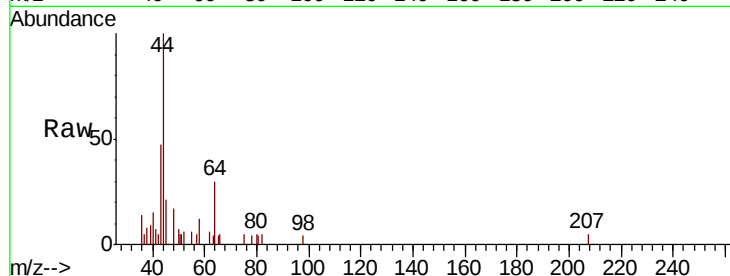
RE-120D1-20181002DL

Tot Ion: 43 Resp: 1396

Ion Ratio Lower Upper

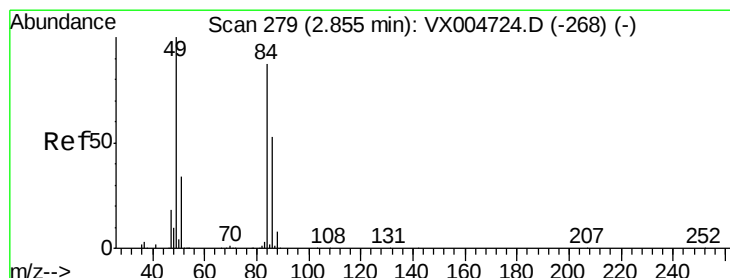
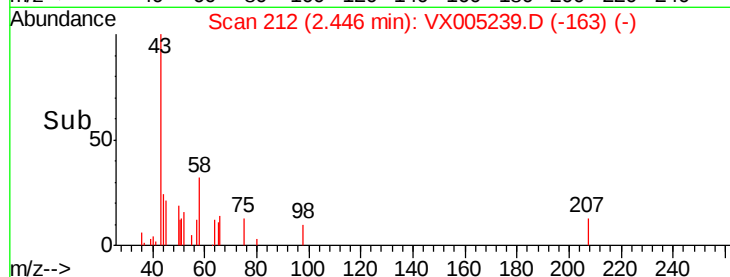
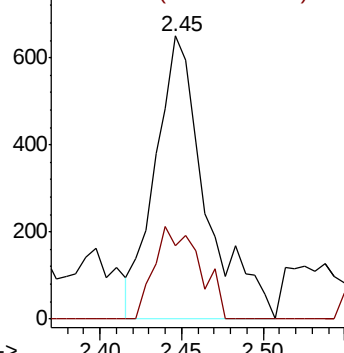
43 100

58 25.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

Tgt Ion: 84 Resp: 958

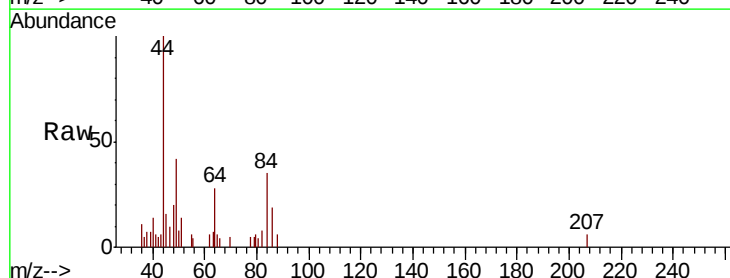
Ion Ratio Lower Upper

84 100

49 120.9 92.3 138.5

51 39.8 31.8 47.6

86 55.1 48.5 72.7

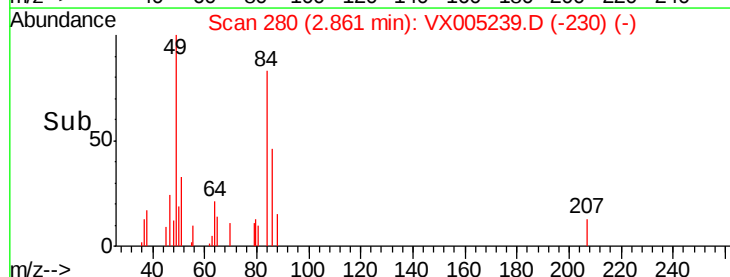
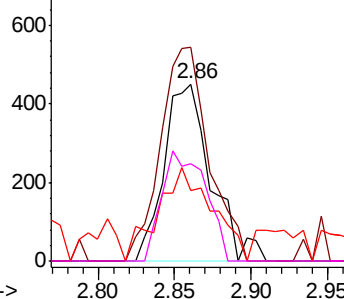


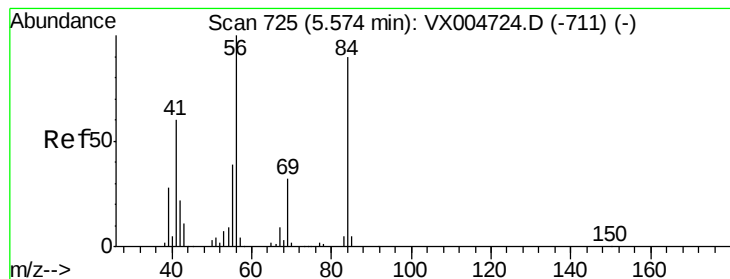
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#31

Cyclohexane

Concen: 1.103 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

Instrument :

MSVOA_X

ClientSampleId :

RE-120D1-20181002DL

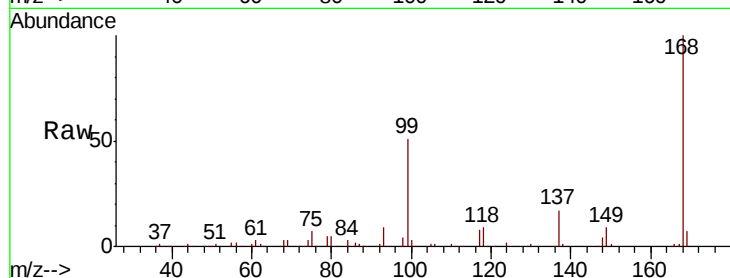
Tot Ion: 56 Resp: 3445

Ion Ratio Lower Upper

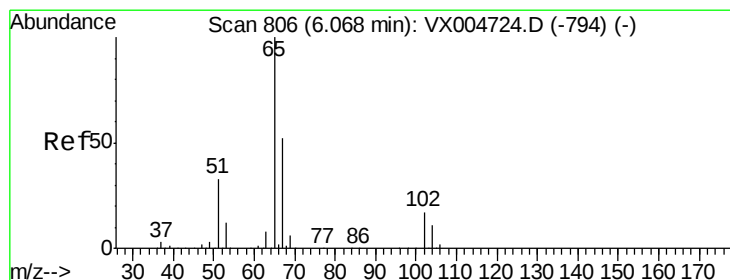
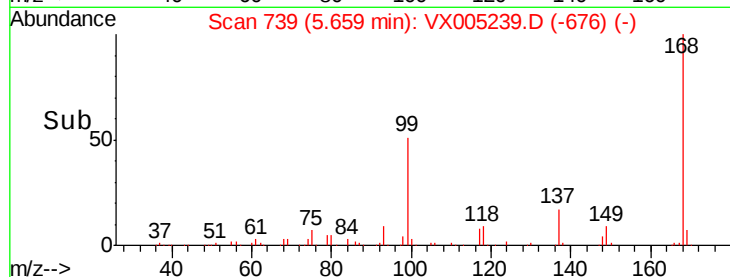
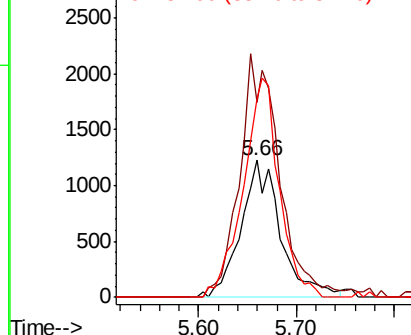
56 100

69 141.9 25.9 38.9#

84 145.2 71.9 107.9#



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: 56.398 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005239.D

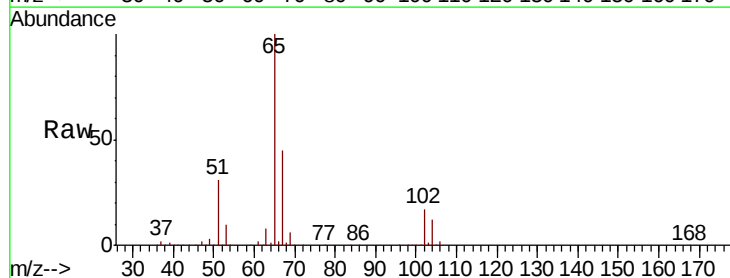
Acq: 11 Oct 2018 07:39

Tgt Ion: 65 Resp: 138417

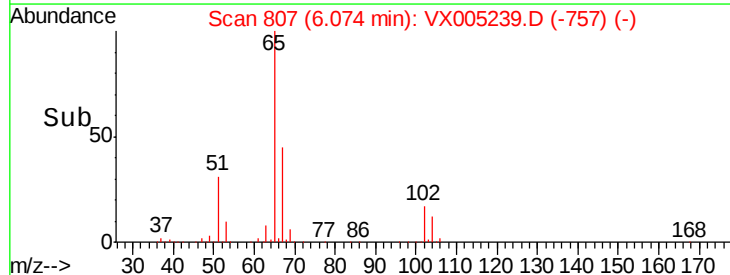
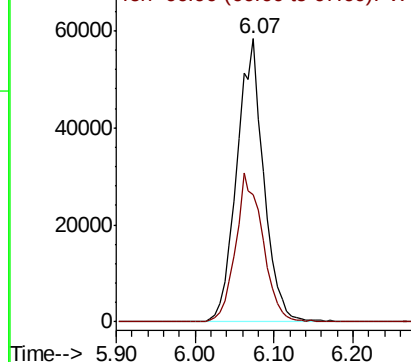
Ion Ratio Lower Upper

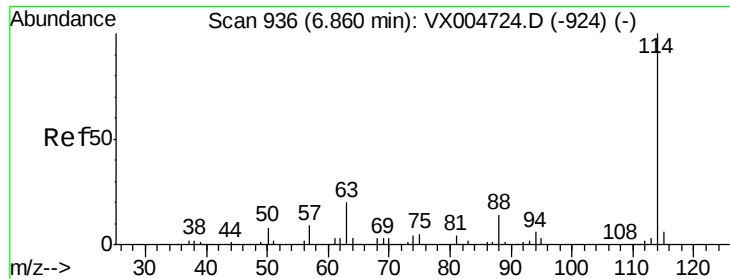
65 100

67 53.2 0.0 107.4



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

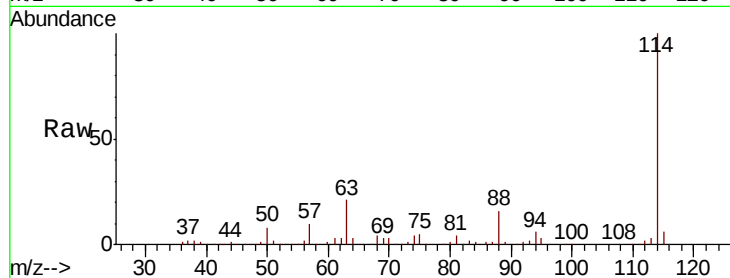




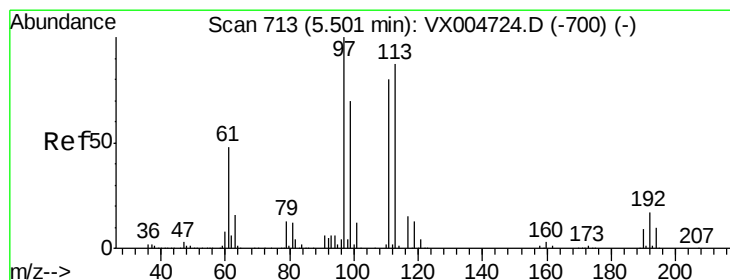
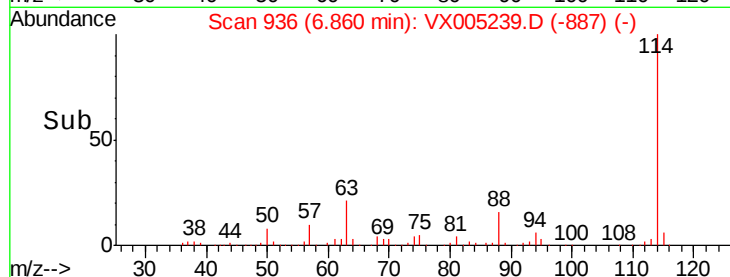
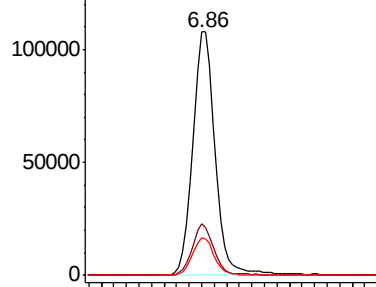
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005239.D
 Acq: 11 Oct 2018 07:39

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-120D1-20181002DL

Tot Ion:114 Resp: 267244
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.8
 88 15.7 0.0 27.0

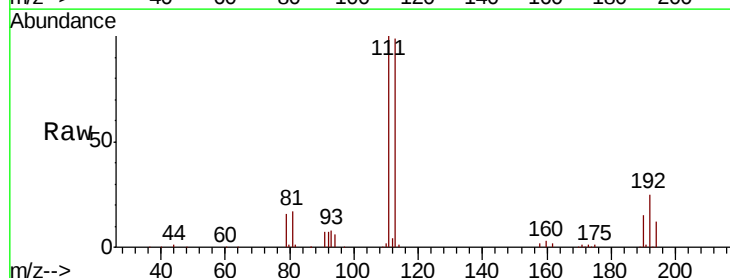


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

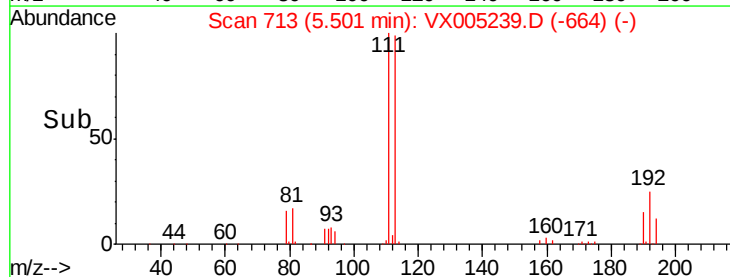
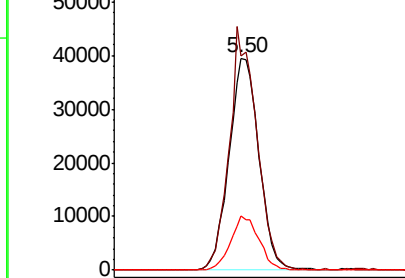


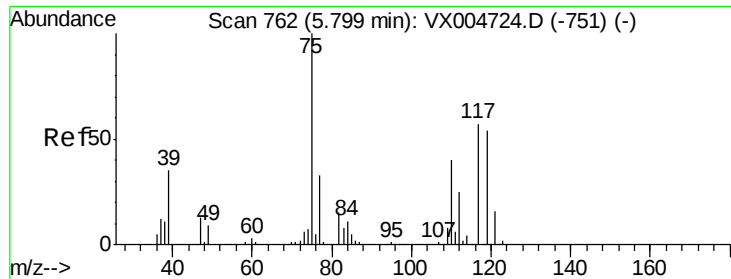
#35
 Dibromofluoromethane
 Concen: 50.464 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005239.D
 Acq: 11 Oct 2018 07:39

Tgt Ion:113 Resp: 114297
 Ion Ratio Lower Upper
 113 100
 111 104.9 77.0 115.4
 192 24.0 17.0 25.6



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

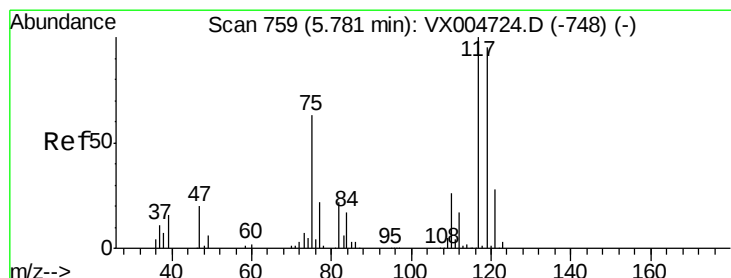
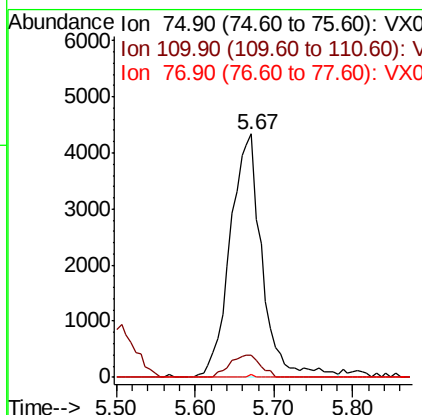
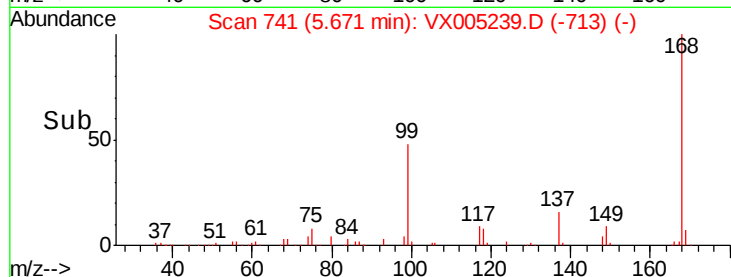
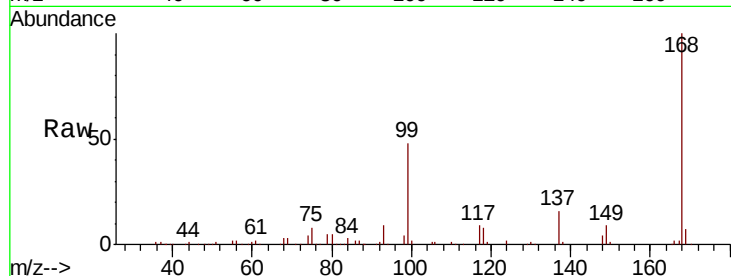




#36
 1,1-Dichloropropene
 Concen: 3.939 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX005239.D
 Acq: 11 Oct 2018 07:39

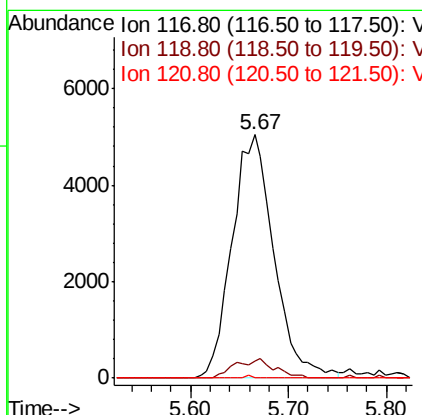
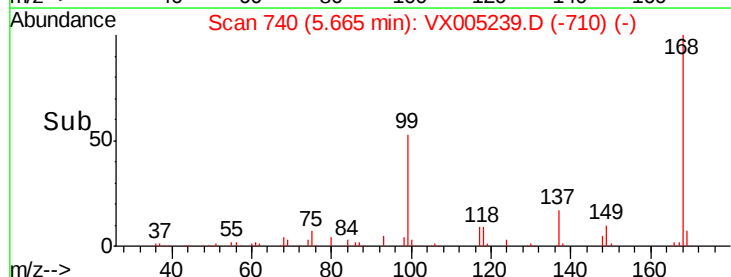
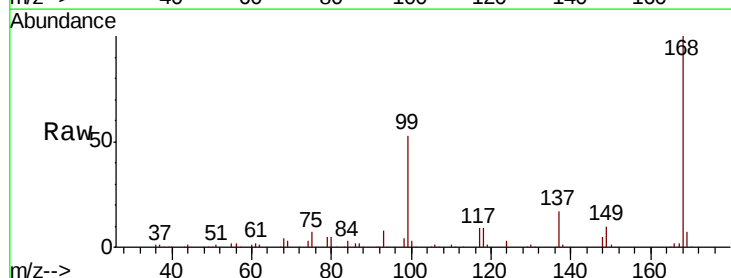
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-120D1-20181002DL

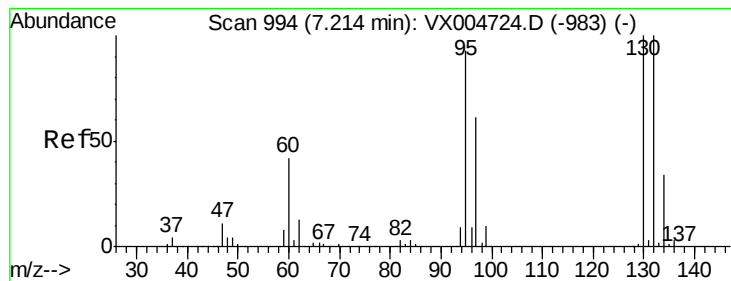
Tot Ion	75	Resp	12172
Ion Ratio	100	Lower	Upper
110	8.7	20.0	59.9#
77	0.2	27.1	40.7#



#38
 Carbon Tetrachloride
 Concen: 4.612 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005239.D
 Acq: 11 Oct 2018 07:39

Tgt Ion	117	Resp	14980
Ion Ratio	100	Lower	Upper
119	7.2	75.2	112.8#
121	0.0	22.5	33.7#





#44

Trichloroethene

Concen: 36.866 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

Instrument :

MSVOA_X

ClientSampleId :

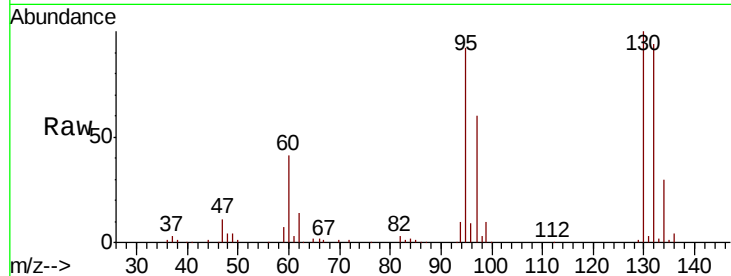
RE-120D1-20181002DL

Tot Ion:130 Resp: 87678

Ion Ratio Lower Upper

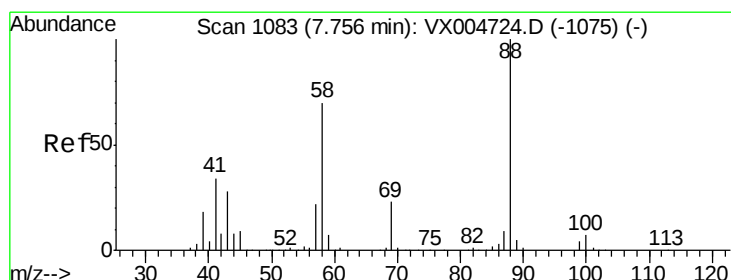
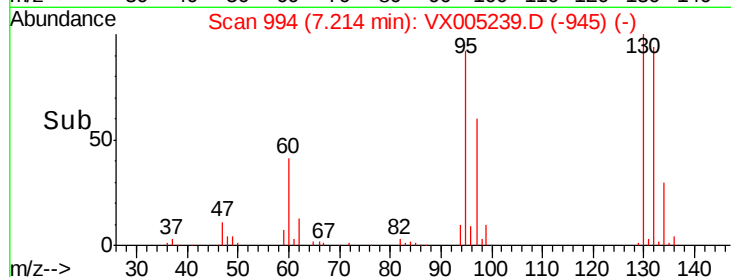
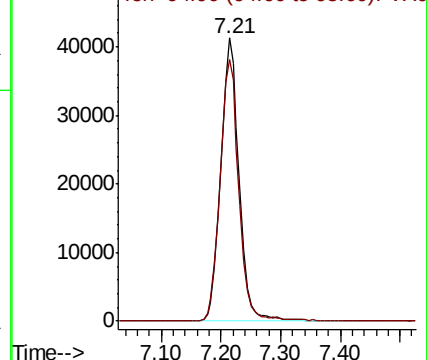
130 100

95 92.5 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.108 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

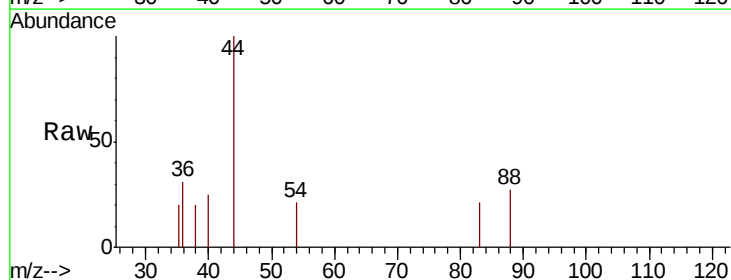
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 89.2 25.1 37.7#

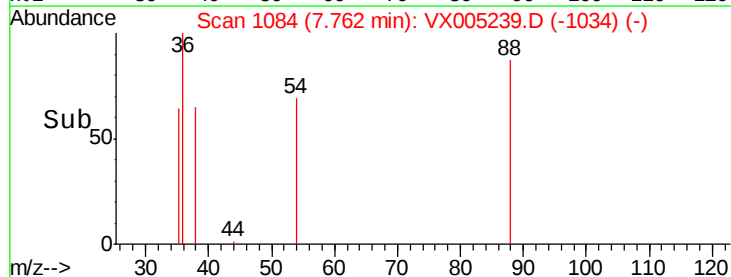
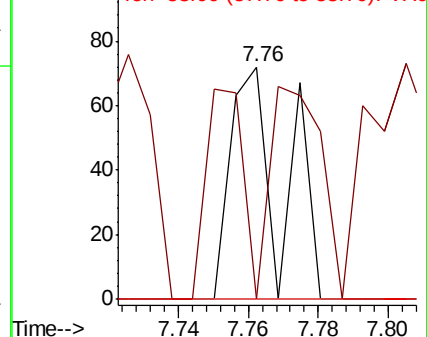
58 0.0 56.2 84.2#

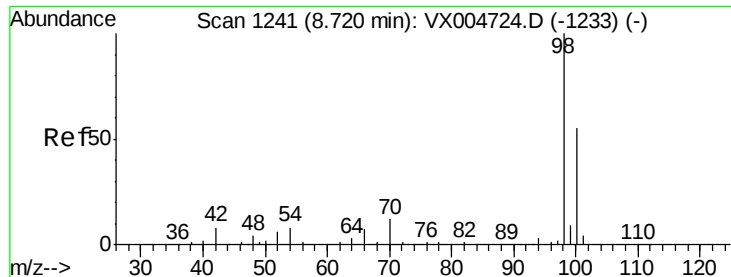


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.210 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

Instrument :

MSVOA_X

ClientSampleId :

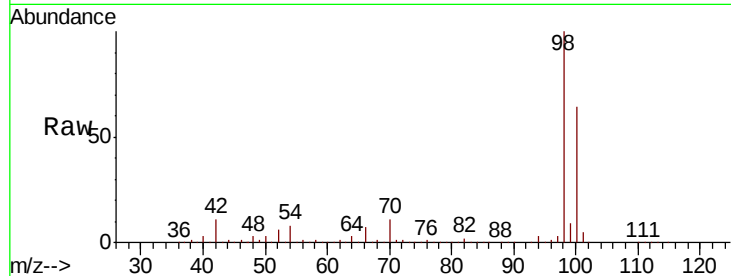
RE-120D1-20181002DL

Tot Ion: 98 Resp: 393126

Ion Ratio Lower Upper

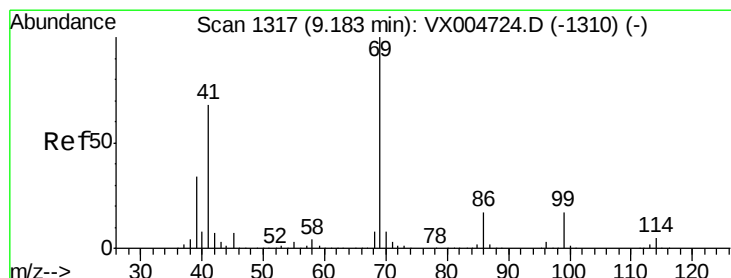
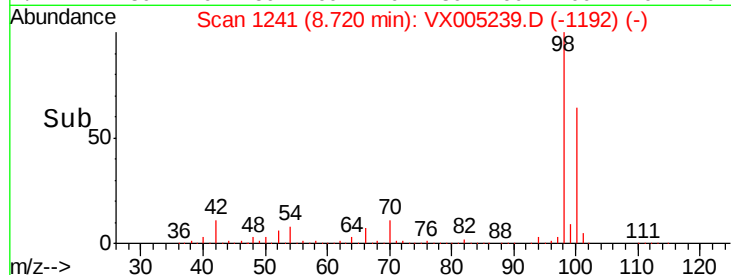
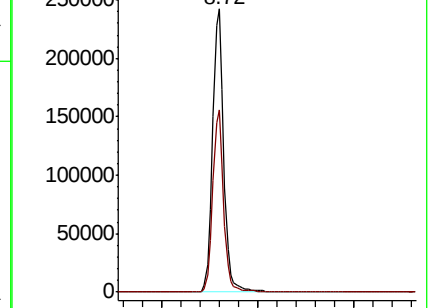
98 100

100 63.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#56

Ethyl methacrylate

Concen: 2.867 ug/l

RT: 9.12 min Scan# 1307

Delta R.T. -0.06 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

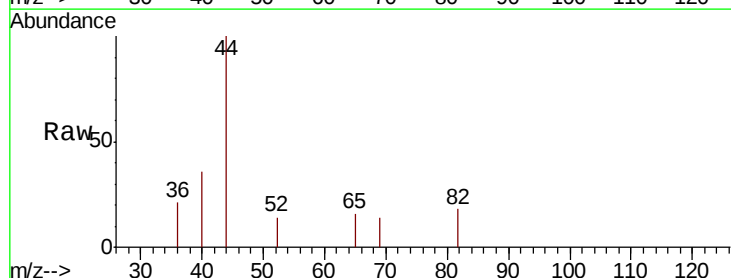
Tgt Ion: 69 Resp: 19

Ion Ratio Lower Upper

69 100

41 468.4 56.9 85.3#

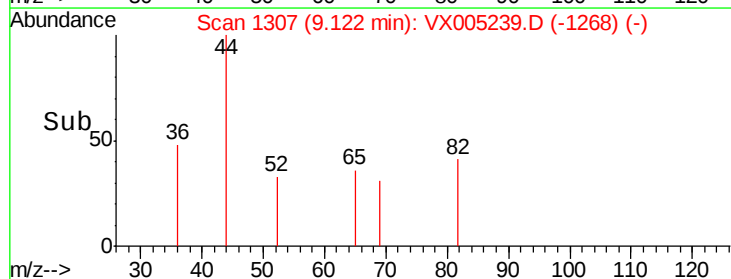
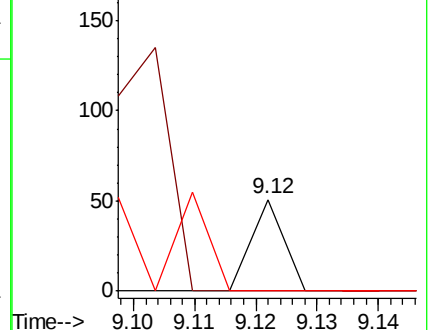
39 305.3 28.4 42.6#

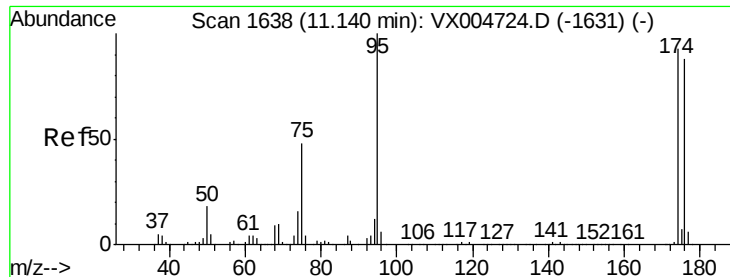


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

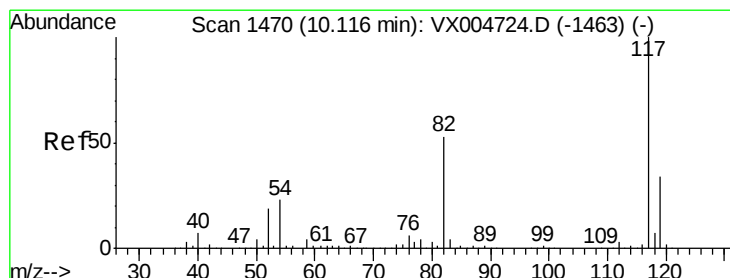
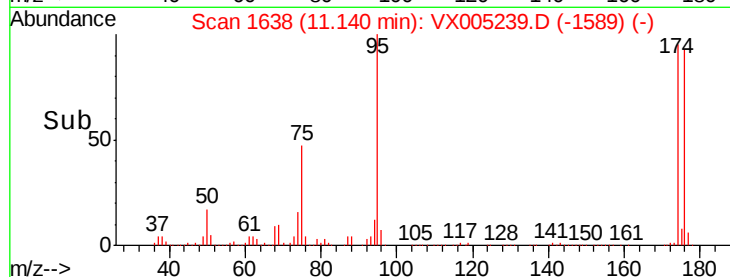
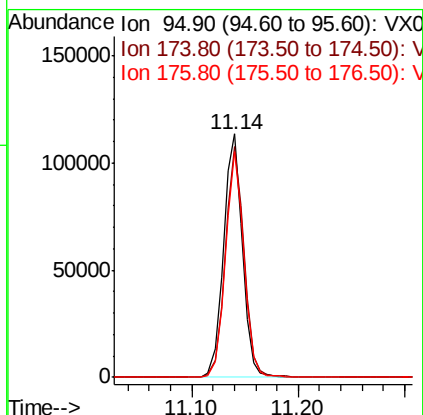
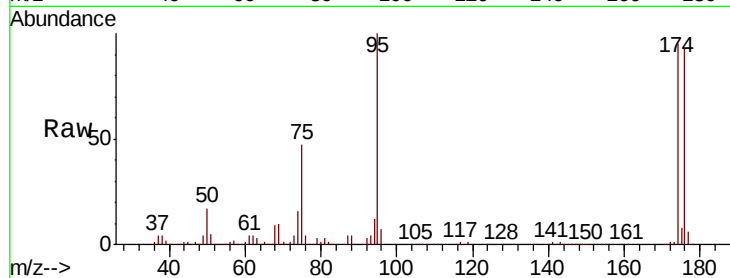




#62
4-Bromofluorobenzene
Concen: 51.836 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005239.D
Acq: 11 Oct 2018 07:39

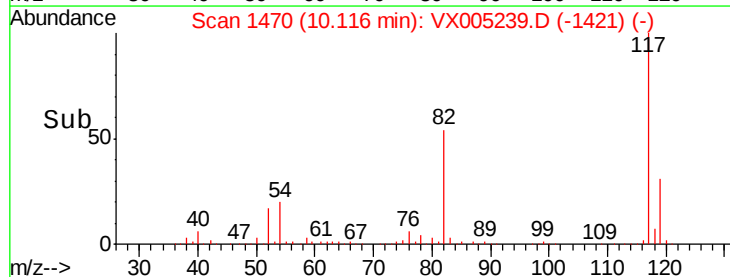
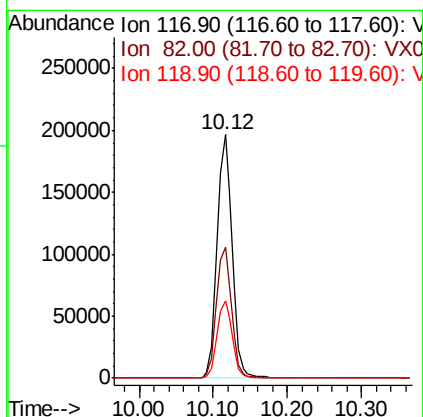
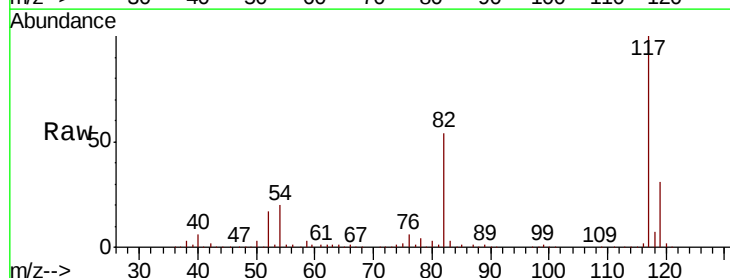
Instrument :
MSVOA_X
ClientSampleId :
RE-120D1-20181002DL

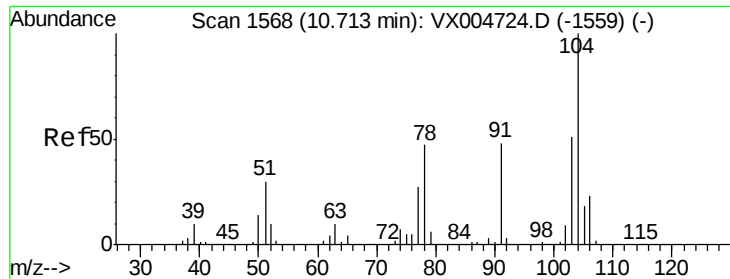
Tot Ion: 95 Resp: 140613
Ion Ratio Lower Upper
95 100
174 94.6 0.0 185.0
176 90.8 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005239.D
Acq: 11 Oct 2018 07:39

Tgt Ion: 117 Resp: 271302
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 31.5 27.4 41.0





#70

Stvrene

Concen: 2.144 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

Instrument :

MSVOA_X

ClientSampleId :

RE-120D1-20181002DL

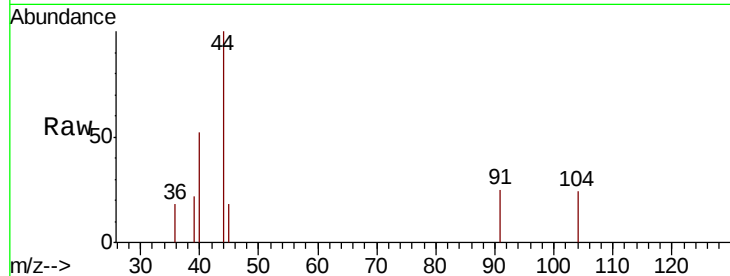
Tot Ion:104 Resp: 26

Ion Ratio Lower Upper

104 100

78 0.0 40.0 60.0#

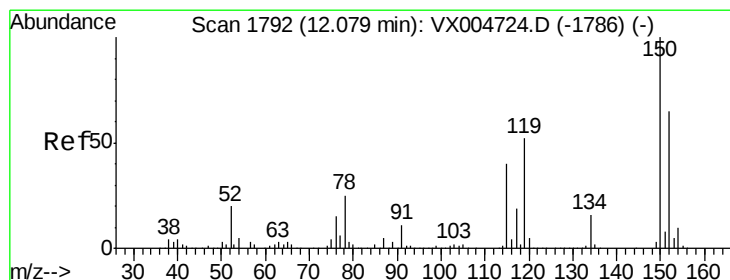
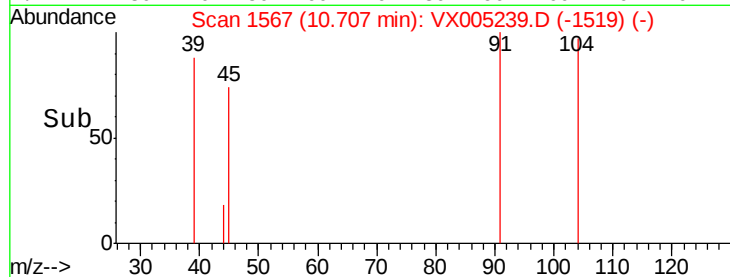
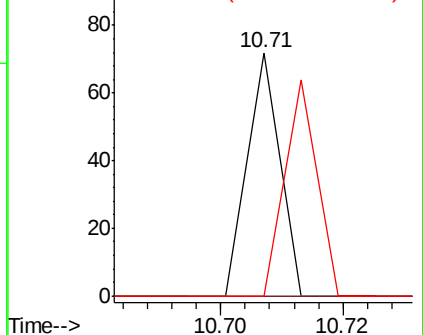
103 88.5 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX005239.D

Acq: 11 Oct 2018 07:39

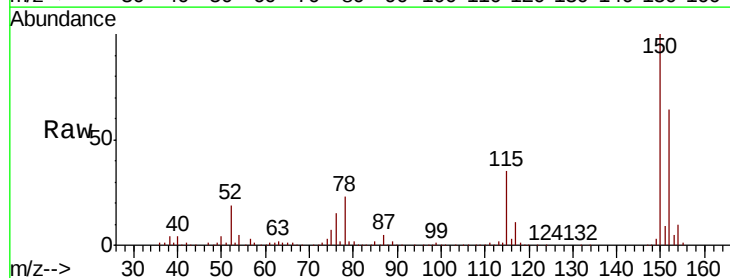
Tgt Ion:152 Resp: 149681

Ion Ratio Lower Upper

152 100

115 55.5 40.2 120.6

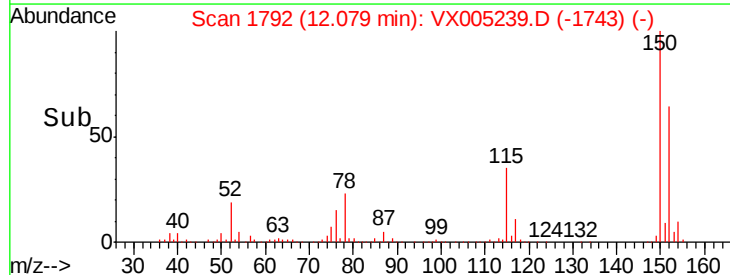
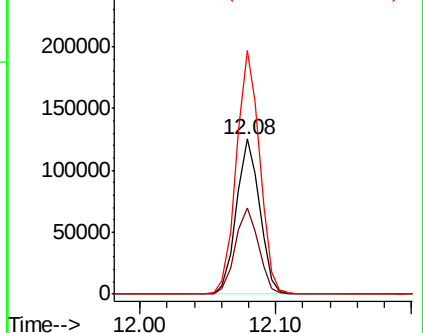
150 157.0 0.0 351.0

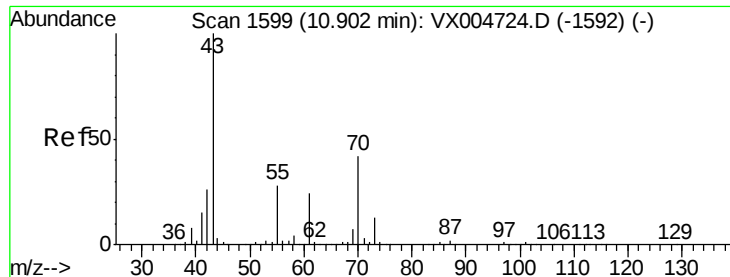


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.757 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

Instrument :

MSVOA_X

ClientSampleId :

RE-120D1-20181002DL

Tot Ion: 43 Resp: 48

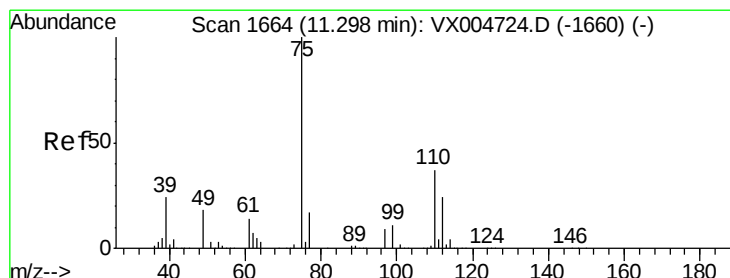
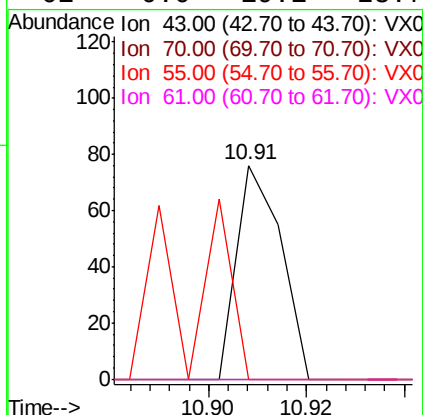
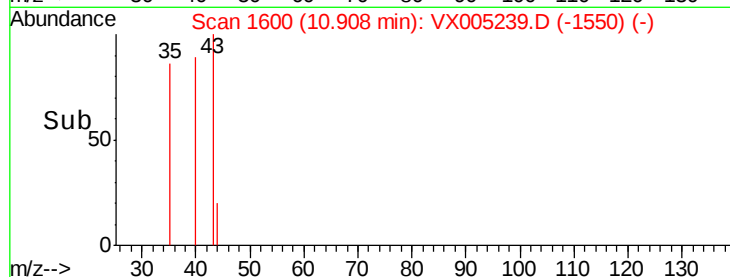
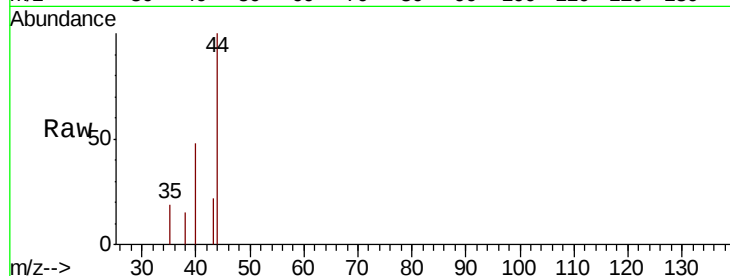
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 95.8 21.6 32.4#

61 0.0 19.1 28.7#



#76

1,2,3-Trichloropropane

Concen: 20.560 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005239.D

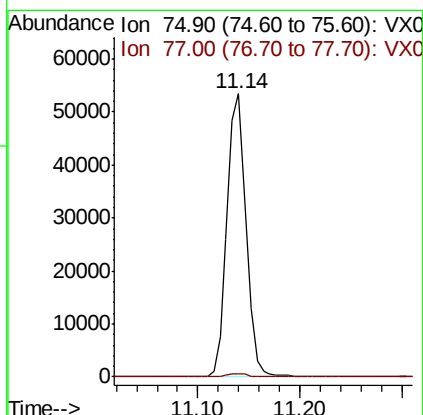
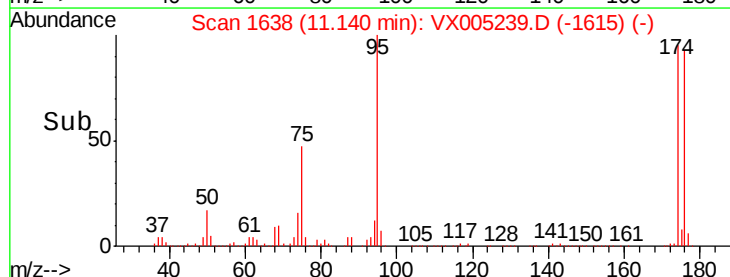
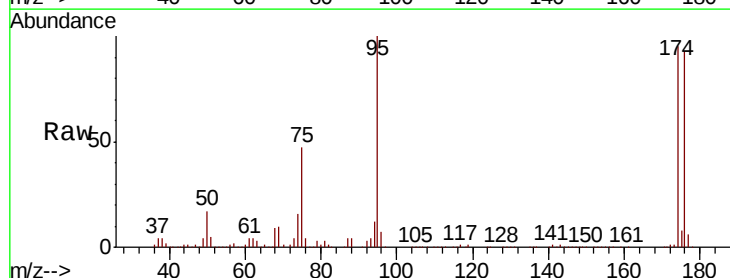
Acq: 11 Oct 2018 07:39

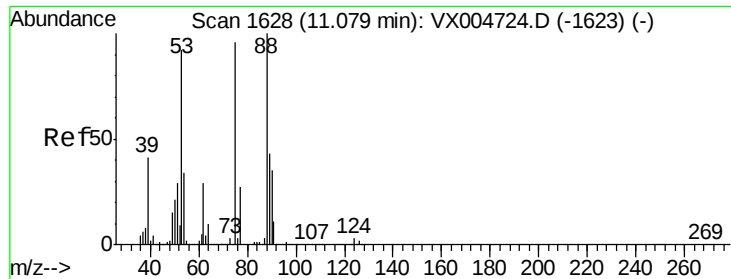
Tgt Ion: 75 Resp: 68976

Ion Ratio Lower Upper

75 100

77 1.2 21.4 64.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 55.833 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

Instrument :

MSVOA_X

ClientSampleId :

RE-120D1-20181002DL

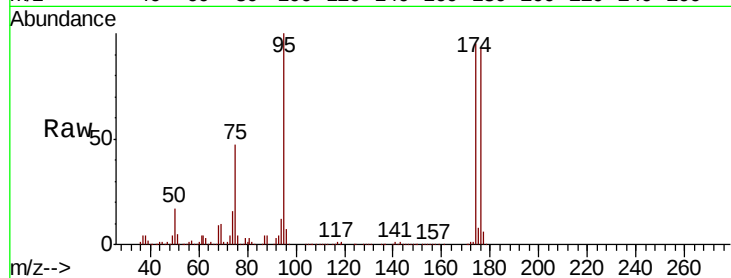
Tot Ion: 75 Resp: 68976

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

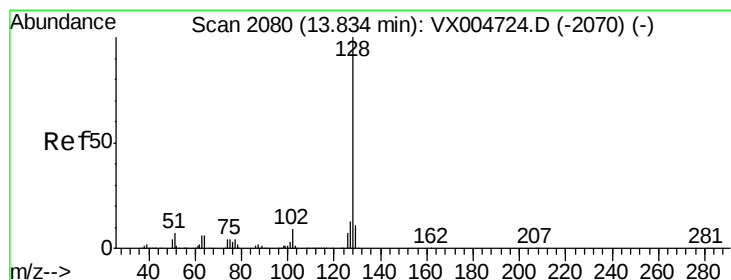
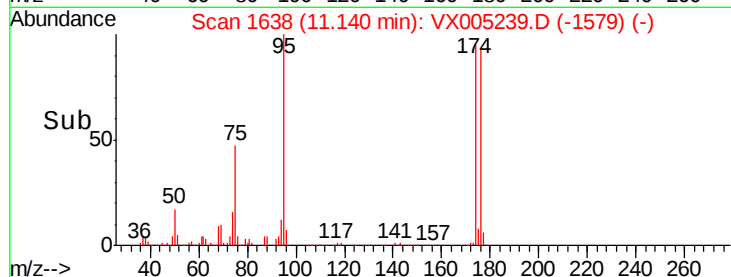
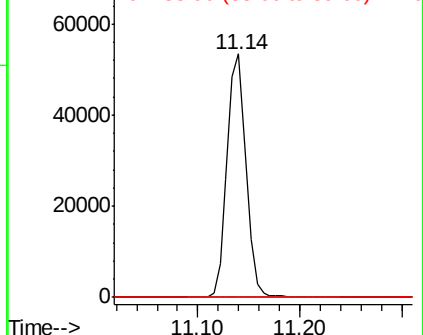
89 0.0 37.1 55.7#



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



#95

Naphthalene

Concen: 0.735 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005239.D

Acq: 11 Oct 2018 07:39

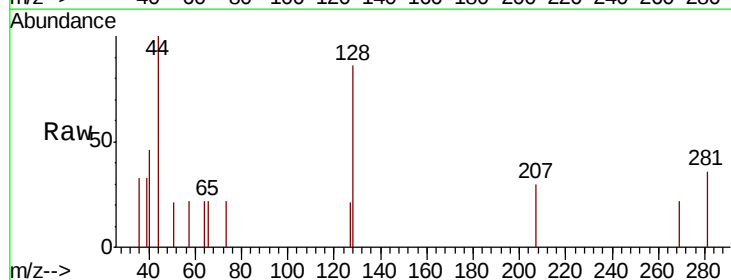
Tgt Ion: 128 Resp: 192

Ion Ratio Lower Upper

128 100

127 9.9 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

