

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005030.D
 Acq On : 04 Oct 2018 20:29
 Operator : JC/MD
 Sample : J5207-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 03:24:11 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	222322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198275	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	167735	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	5.50	113	141417	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
50) Toluene-d8	8.72	98	518557	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.14	95	192597	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	

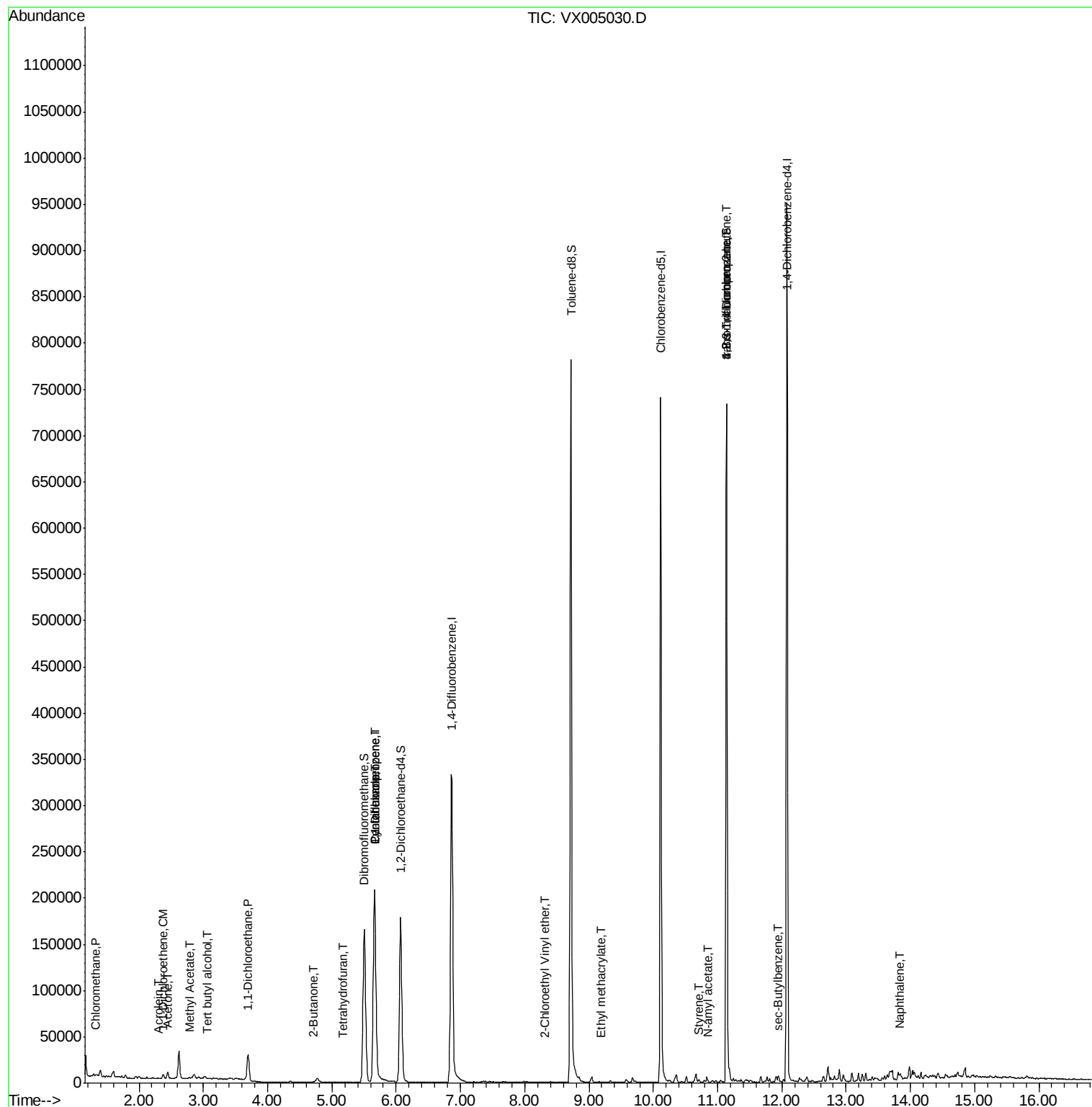
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	772	0.210	ug/l #	87
6) Chloroethane	1.73	64	968	Below Cal		96
11) Tert butyl alcohol	3.07	59	436	0.491	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	1269	0.527	ug/l	98
13) Acrolein	2.30	56	160	0.253	ug/l #	17
16) Acetone	2.45	43	7308	3.941	ug/l #	87
18) Methyl Acetate	2.78	43	1125	0.239	ug/l #	80
20) Methylene Chloride	2.85	84	1448	Below Cal		97
24) 1,1-Dichloroethane	3.70	63	29797	5.644	ug/l	100
25) 2-Butanone	4.71	43	1077	0.394	ug/l #	74
29) Tetrahydrofuran	5.17	42	357	0.210	ug/l #	34
31) Cyclohexane	5.66	56	4164	1.030	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15054	3.598	ug/l #	46
56) Ethyl methacrylate	9.19	69	20	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	21	14.249	ug/l #	49
70) Styrene	10.71	104	91	2.149	ug/l #	21
74) N-amyl acetate	10.86	43	76	1.759	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	93465	21.031	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	456	Below Cal		84
81) trans-1,4-Dichloro-2-buten	11.14	75	93465	57.068	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	1143	Below Cal		93
85) sec-Butylbenzene	11.94	105	3352	0.267	ug/l	87
95) Naphthalene	13.83	128	4480	0.987	ug/l #	91

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

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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: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

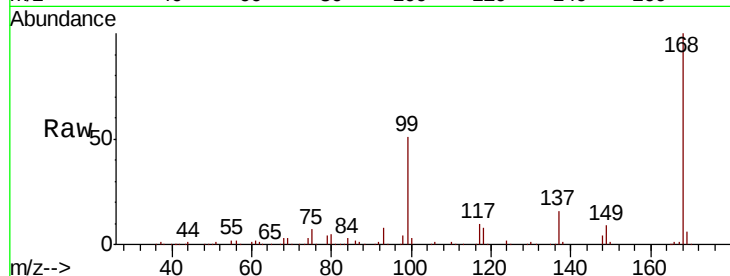
ClientSampleId :

Tot Ion:168 Resp: 222322

Ion Ratio Lower Upper

168 100

99 51.2 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

80000

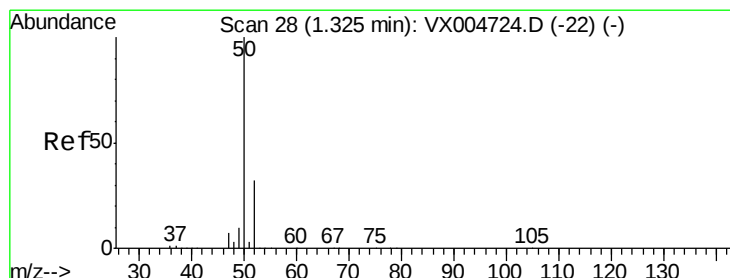
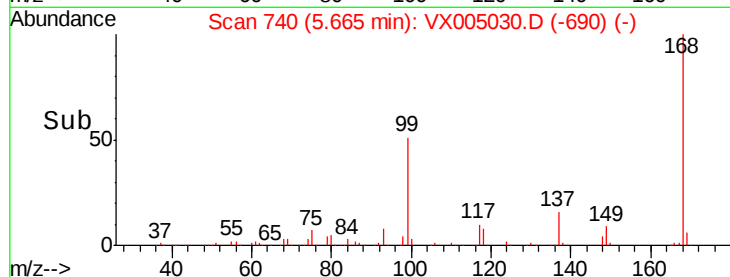
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005030.D

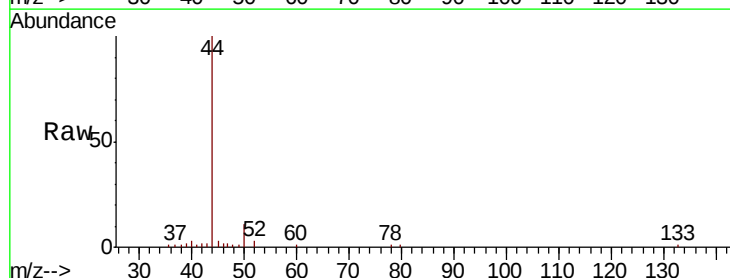
Acq: 04 Oct 2018 20:29

Tgt Ion: 50 Resp: 772

Ion Ratio Lower Upper

50 100

52 24.9 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

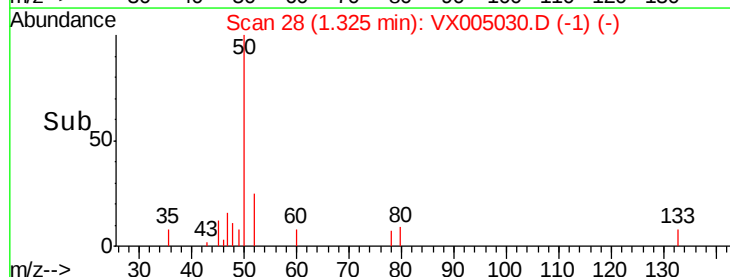
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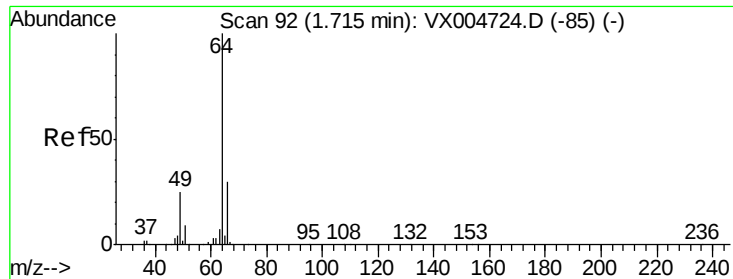
400

200

0

Time--> 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

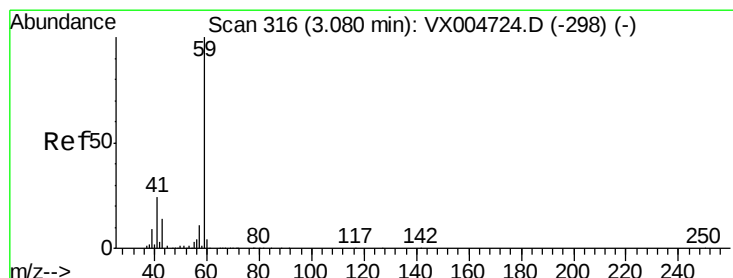
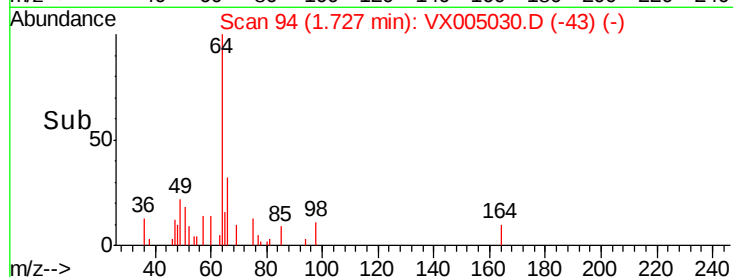
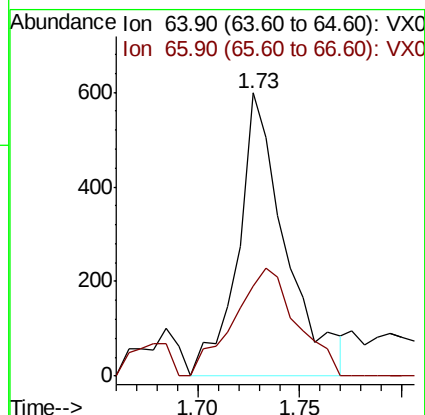
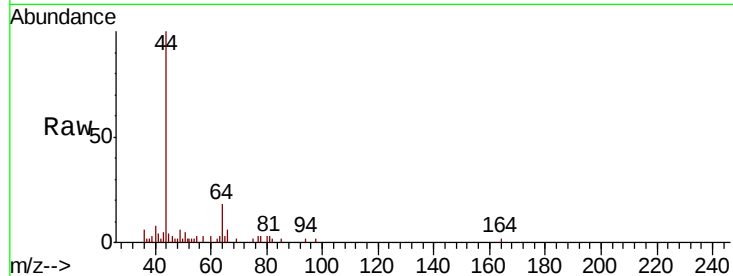
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 64 Resp: 968

Ion Ratio Lower Upper

64 100

66 31.9 23.8 35.6



#11

Tert butyl alcohol

Concen: 0.491 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX005030.D

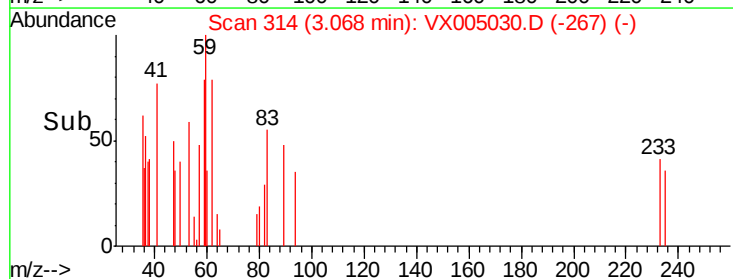
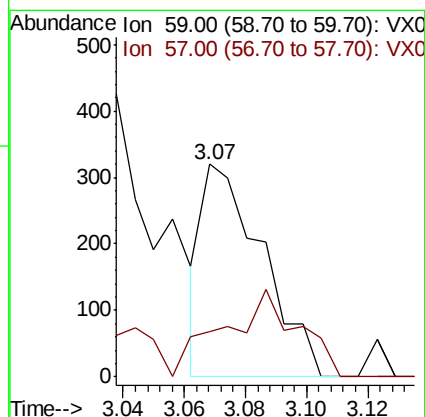
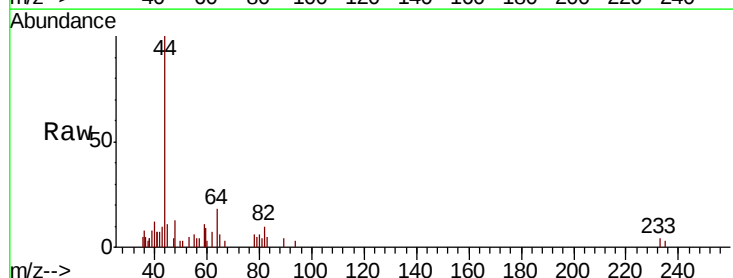
Acq: 04 Oct 2018 20:29

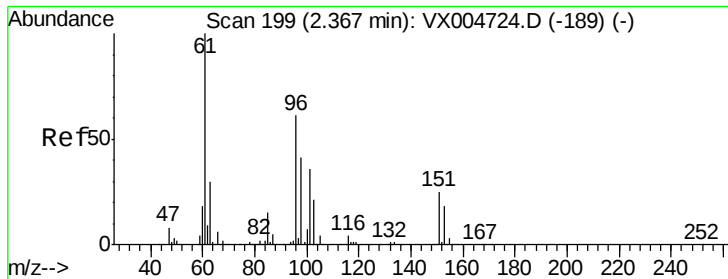
Tgt Ion: 59 Resp: 436

Ion Ratio Lower Upper

59 100

57 50.7 8.6 12.8#

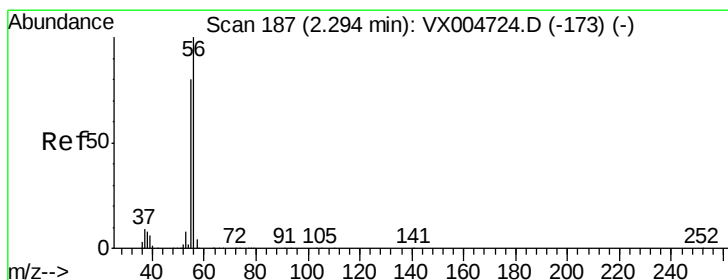
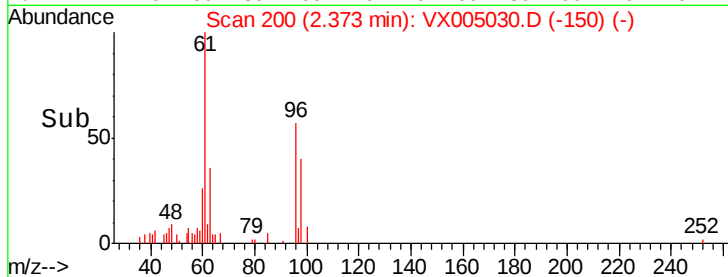
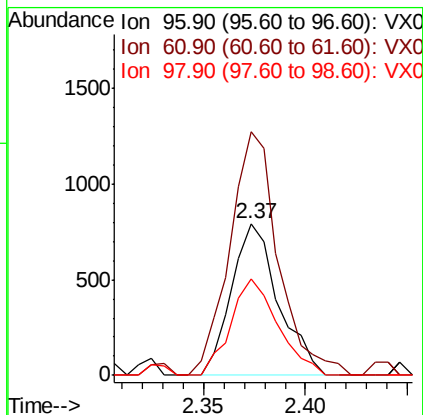
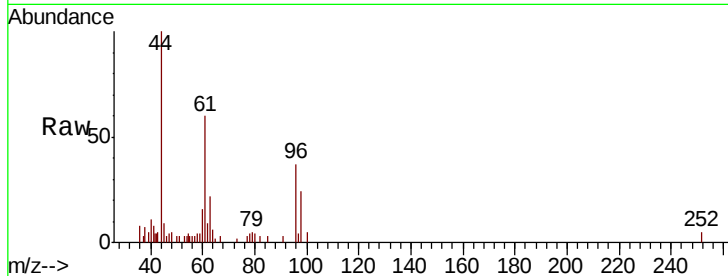




#12
 1,1-Dichloroethene
 Concen: 0.527 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX005030.D
 Acq: 04 Oct 2018 20:29

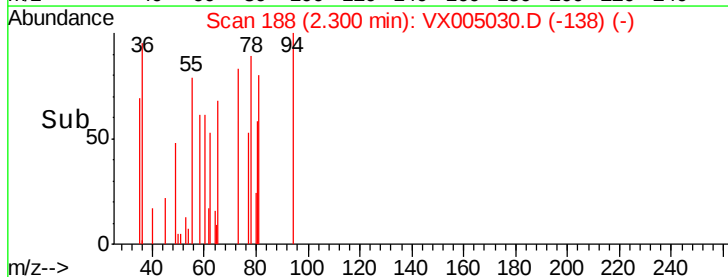
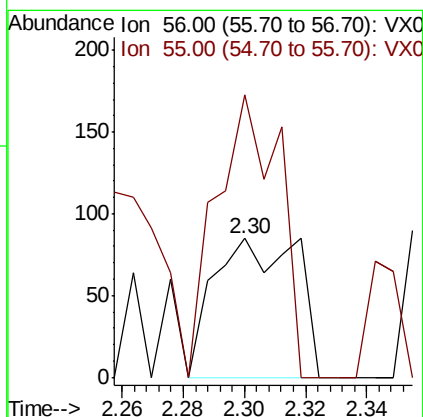
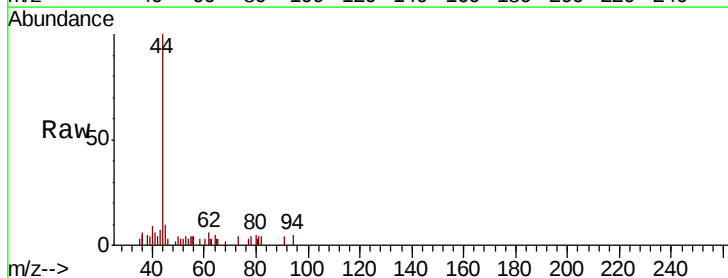
Instrument :
 MSVOA_X
 ClientSampleId :

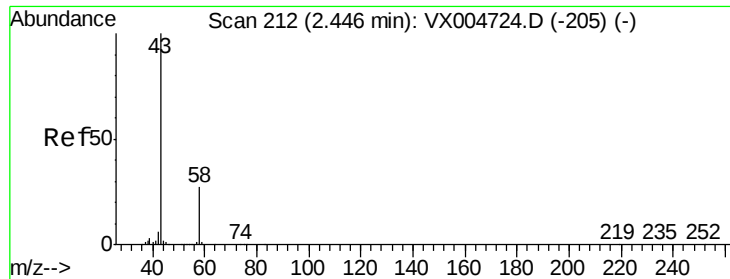
Tot Ion: 96 Resp: 1269
 Ion Ratio Lower Upper
 96 100
 61 160.5 130.2 195.4
 98 63.4 53.4 80.0



#13
 Acrolein
 Concen: 0.253 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005030.D
 Acq: 04 Oct 2018 20:29

Tgt Ion: 56 Resp: 160
 Ion Ratio Lower Upper
 56 100
 55 152.5 63.4 95.2#

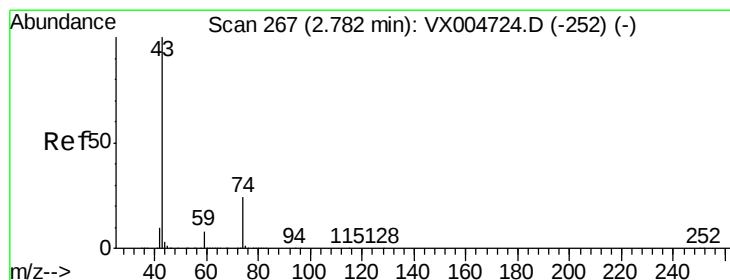
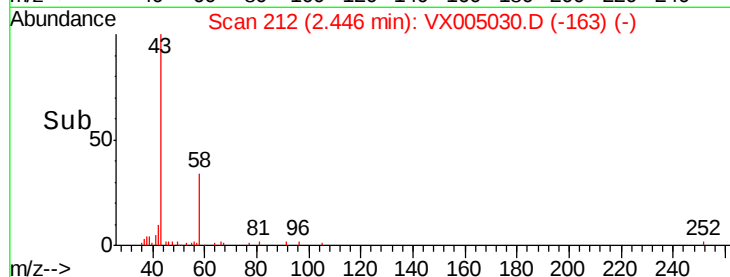
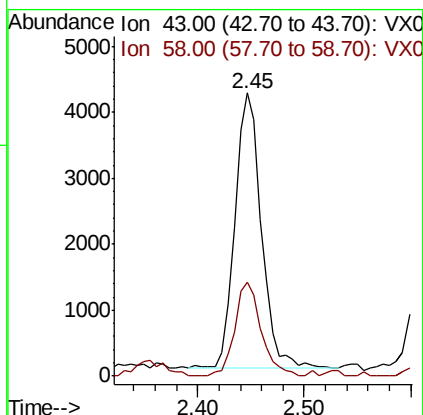
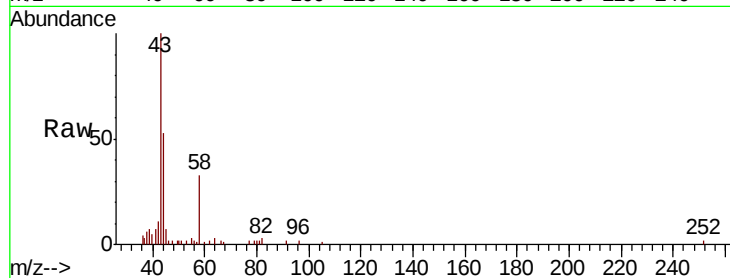




#16
Acetone
Concen: 3.941 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

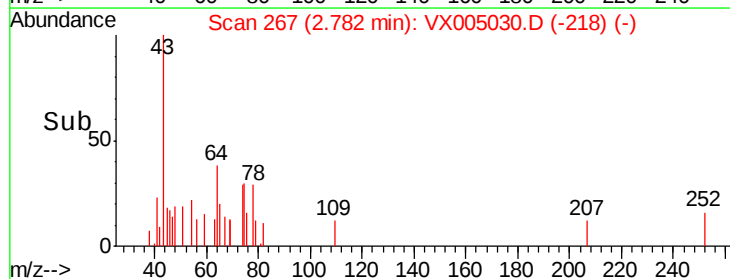
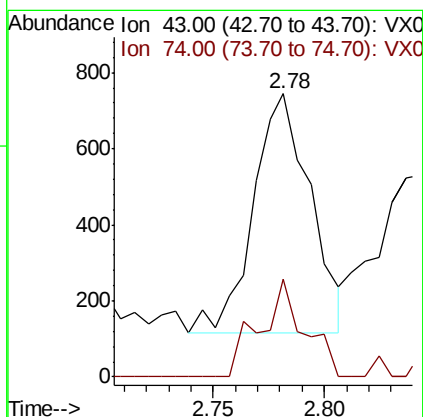
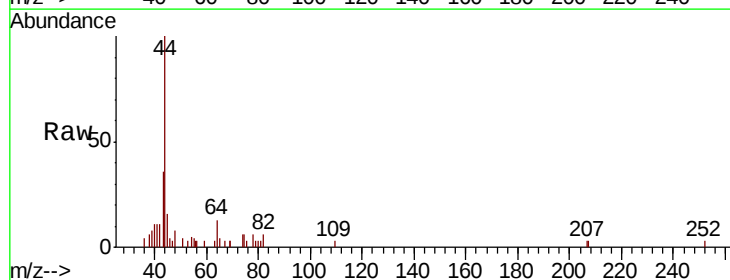
Instrument :
MSVOA_X
ClientSampleId :

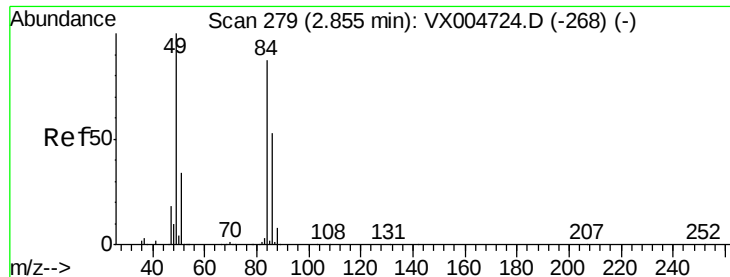
Tot Ion: 43 Resp: 7308
Ion Ratio Lower Upper
43 100
58 33.9 21.8 32.6#



#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
74 32.0 17.8 26.8#

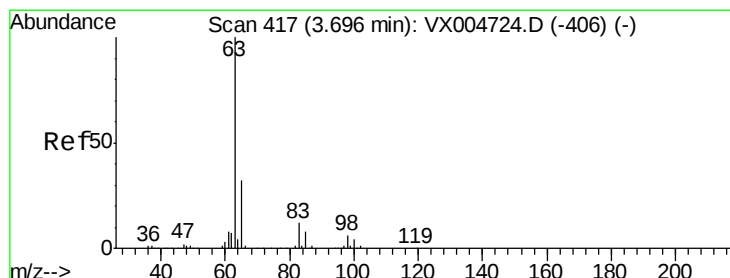
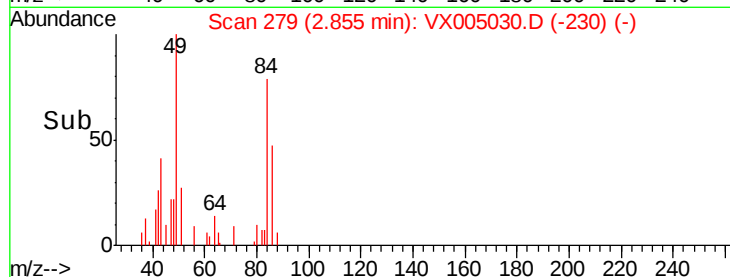
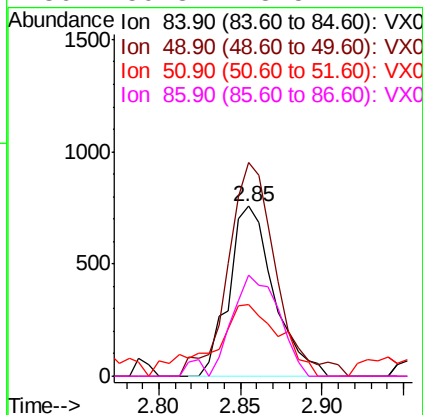
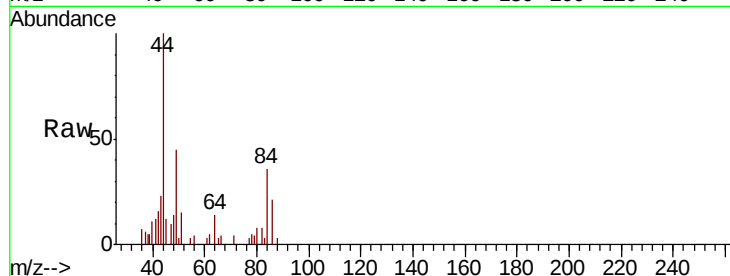




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

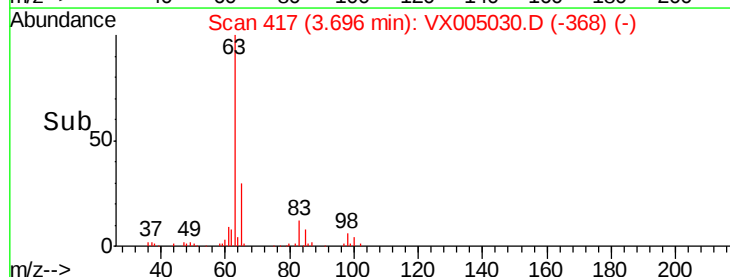
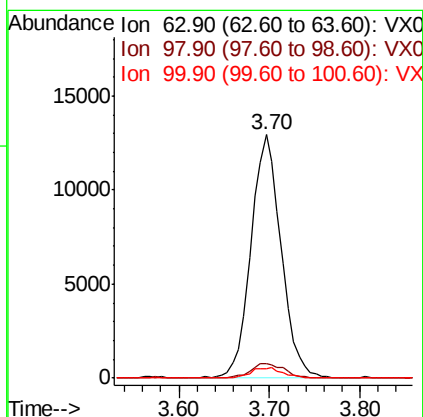
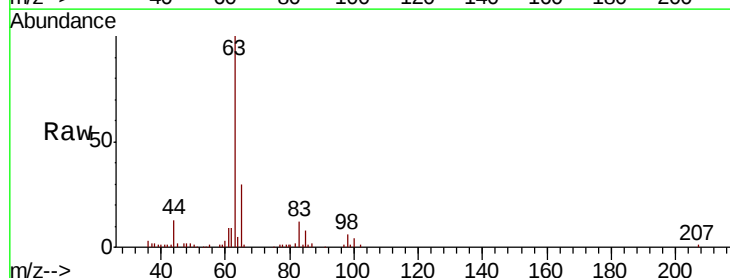
Instrument :
MSVOA_X
ClientSampled :

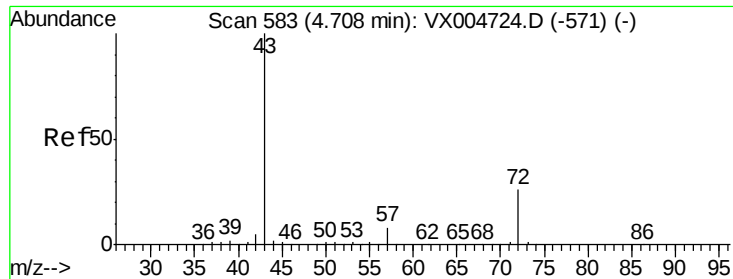
Tot Ion:	84	Resp:	1448
Ion	Ratio	Lower	Upper
84	100		
49	119.2	92.3	138.5
51	42.3	31.8	47.6
86	59.3	48.5	72.7



#24
1,1-Dichloroethane
Concen: 5.644 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion:	63	Resp:	29797
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	3.7	2.0	5.8





#25

2-Butanone

Concen: 0.394 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

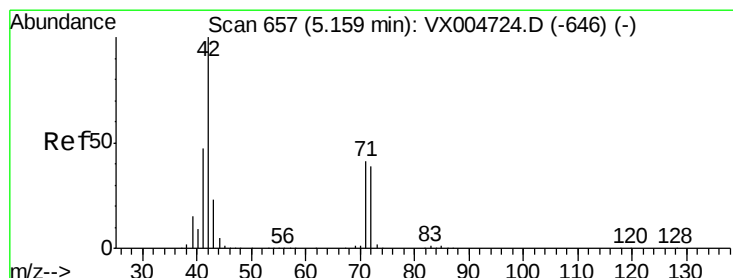
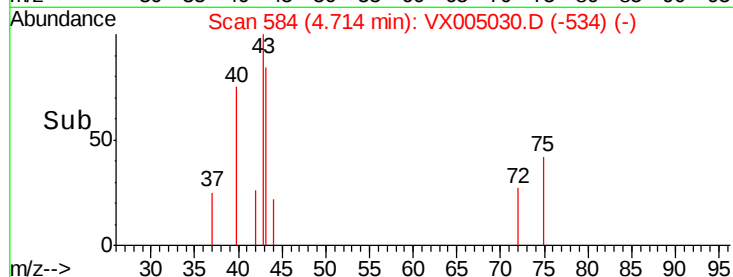
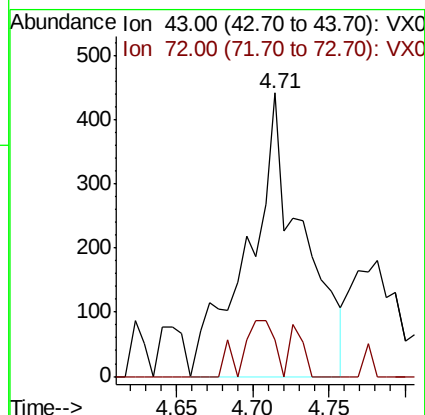
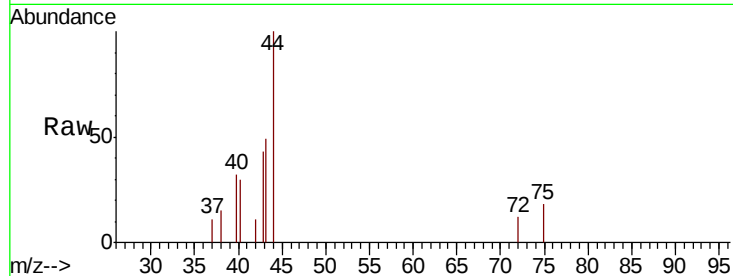
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1077

Ion Ratio Lower Upper

43 100

72 12.7 20.8 31.2#



#29

Tetrahydrofuran

Concen: 0.210 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

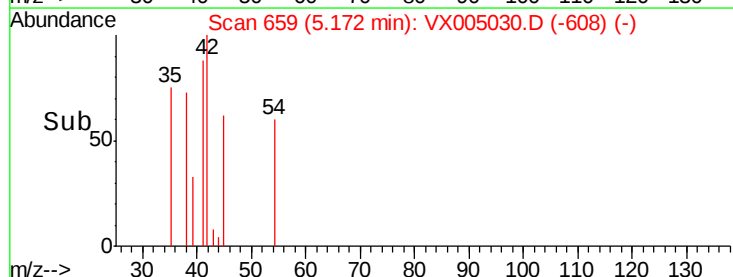
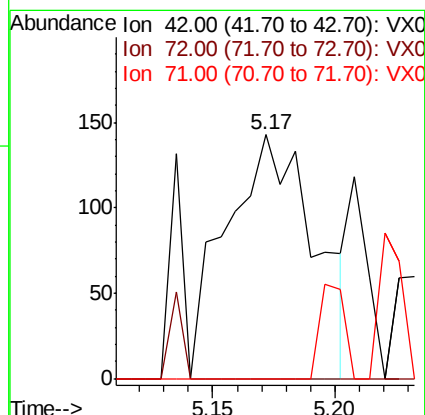
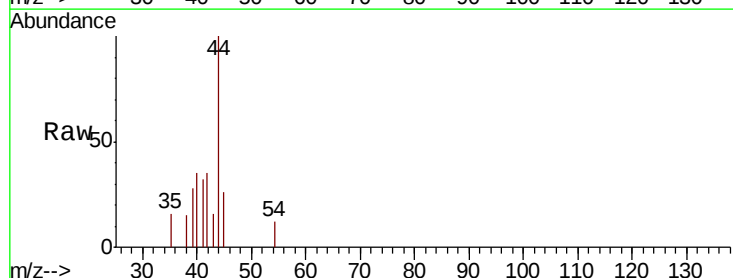
Tgt Ion: 42 Resp: 357

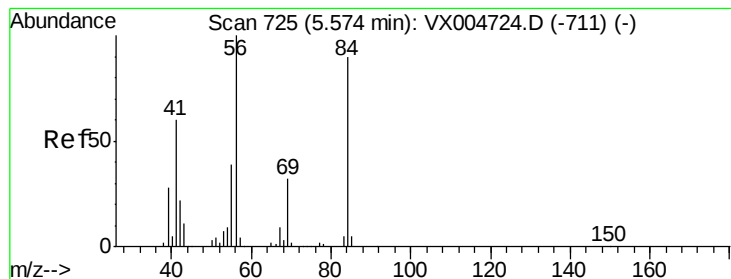
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.2 48.4#





#31

Cyclohexane

Concen: 1.030 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :

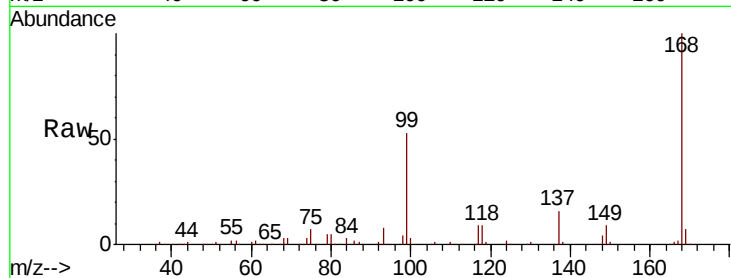
Tot Ion: 56 Resp: 4164

Ion Ratio Lower Upper

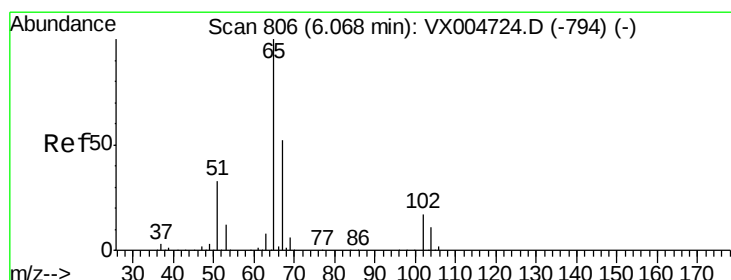
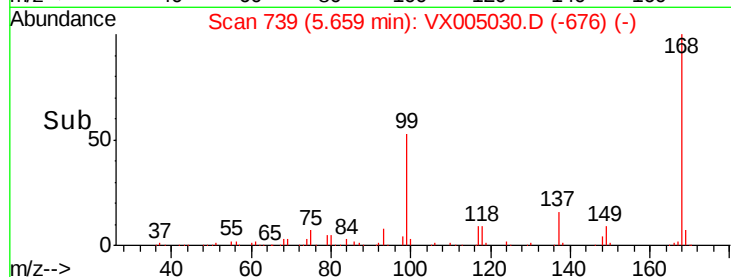
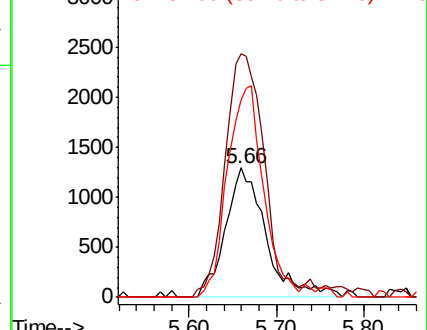
56 100

69 188.0 25.9 38.9#

84 152.7 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: 52.815 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005030.D

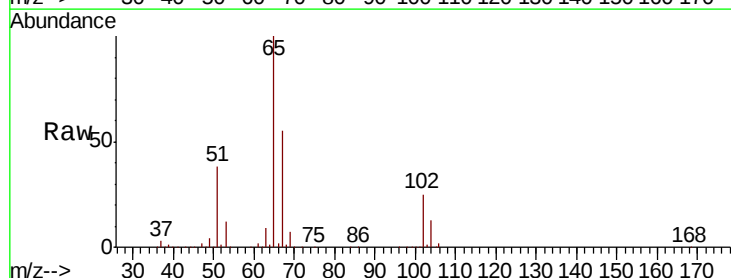
Acq: 04 Oct 2018 20:29

Tgt Ion: 65 Resp: 167735

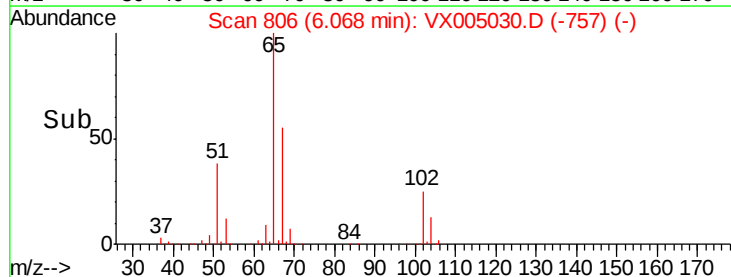
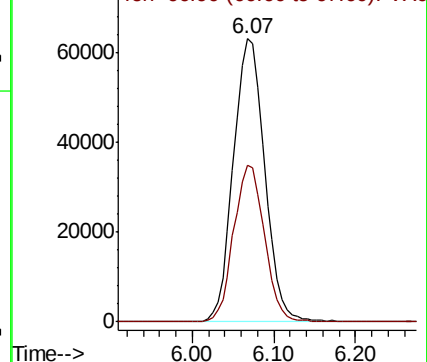
Ion Ratio Lower Upper

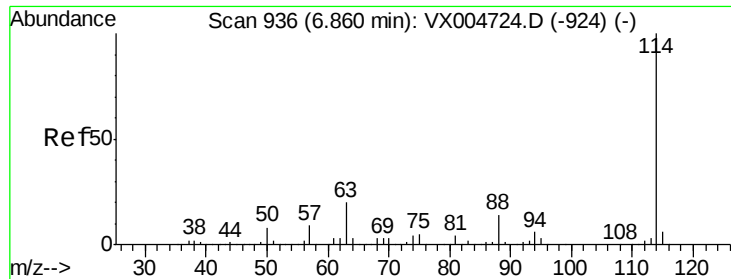
65 100

67 54.3 0.0 107.4



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

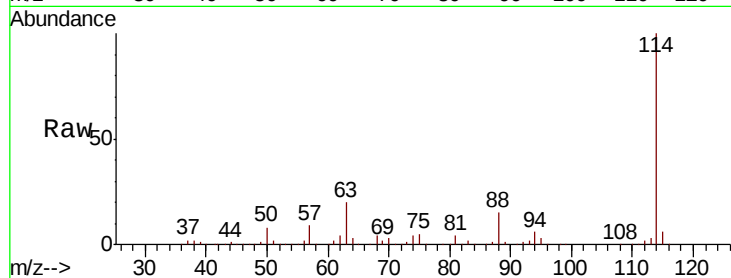




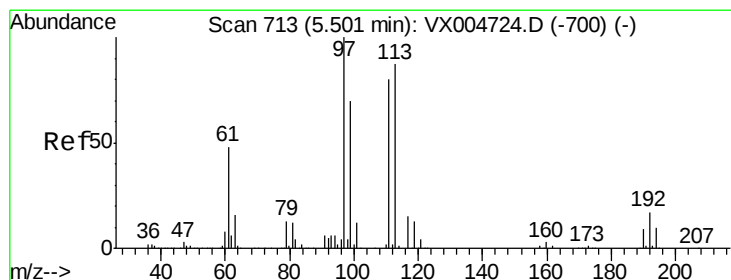
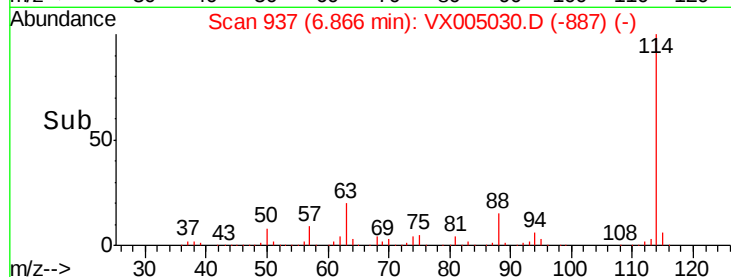
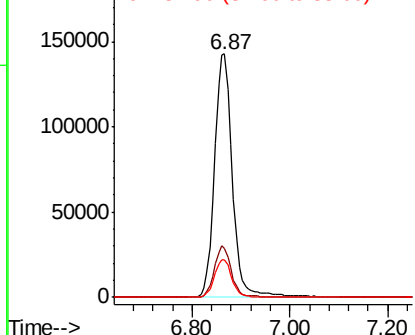
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 361880
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.8
88 15.3 0.0 27.0

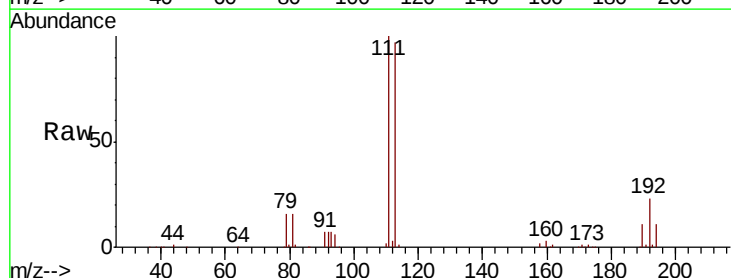


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

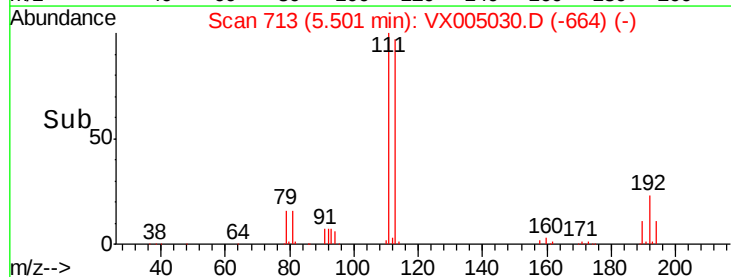
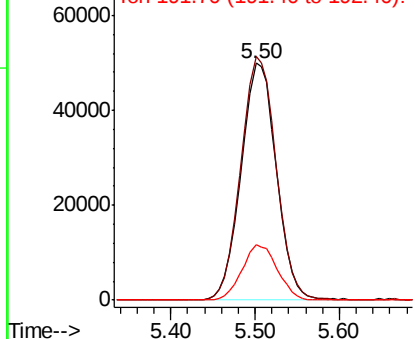


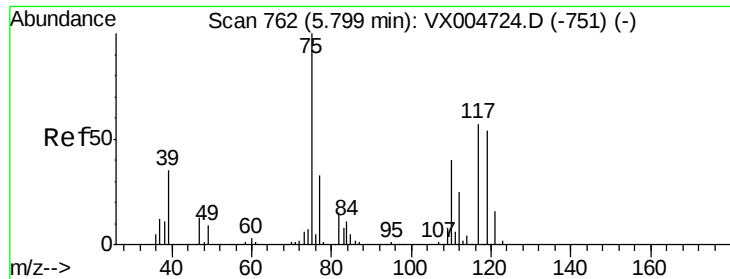
#35
Dibromofluoromethane
Concen: 46.110 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion:113 Resp: 141417
Ion Ratio Lower Upper
113 100
111 103.2 77.0 115.4
192 23.6 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

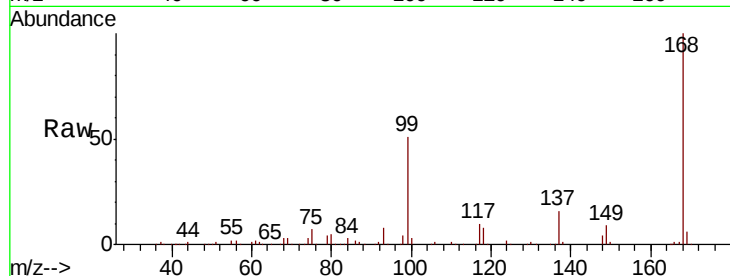




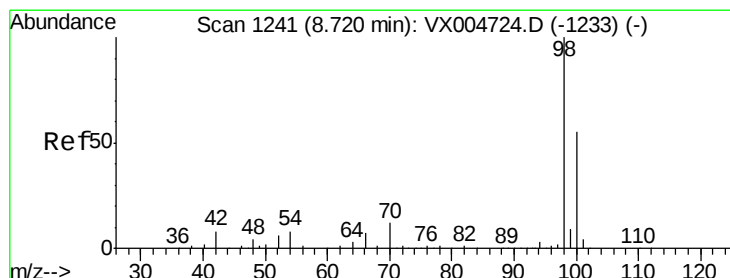
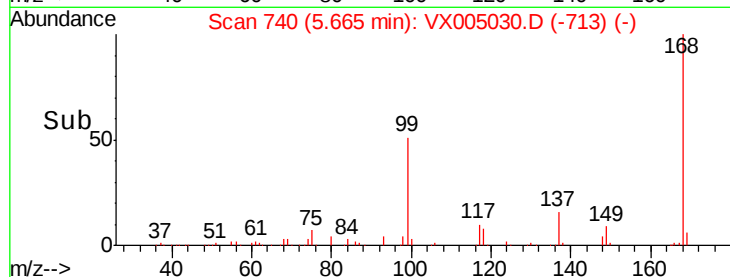
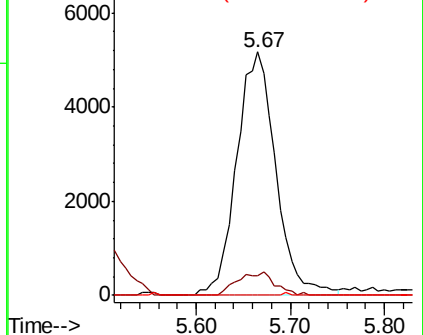
#36
 1,1-Dichloropropene
 Concen: 3.598 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005030.D
 Acq: 04 Oct 2018 20:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	15054
Ion Ratio	100	Lower	Upper
75	100		
110	9.3	20.0	59.9#
77	0.0	27.1	40.7#

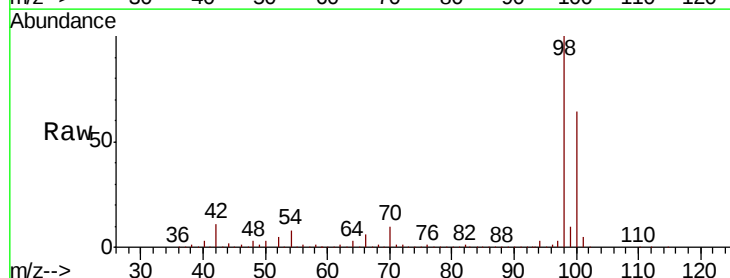


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

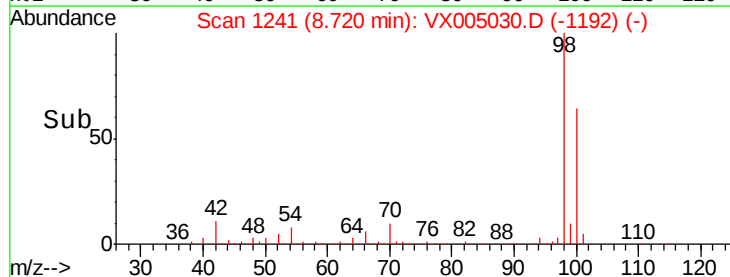
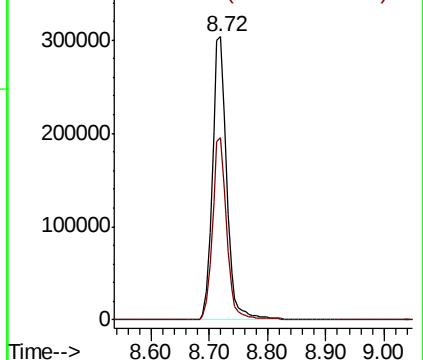


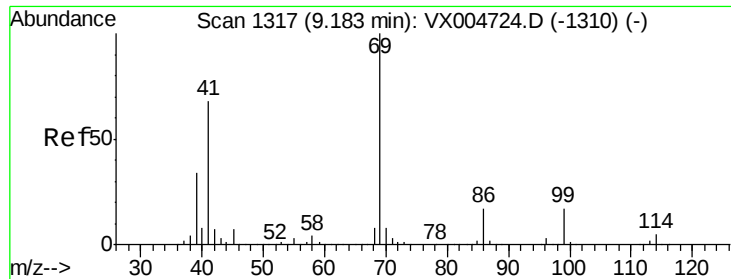
#50
 Toluene-d8
 Concen: 50.858 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VX005030.D
 Acq: 04 Oct 2018 20:29

Tgt Ion	98	Resp	518557
Ion Ratio	100	Lower	Upper
98	100		
100	63.7	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

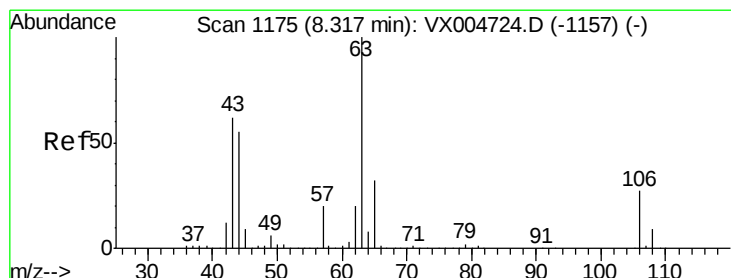
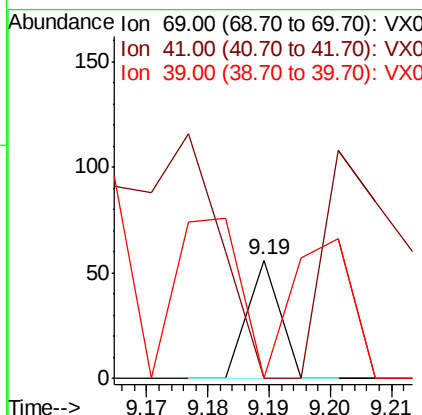
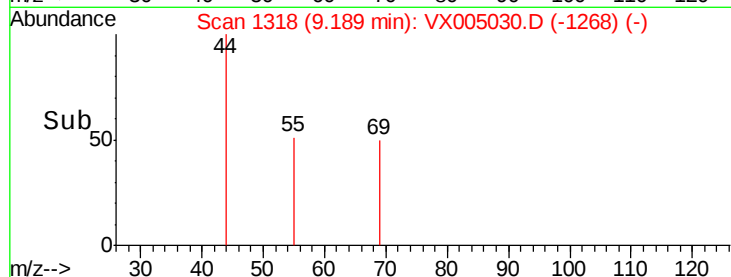
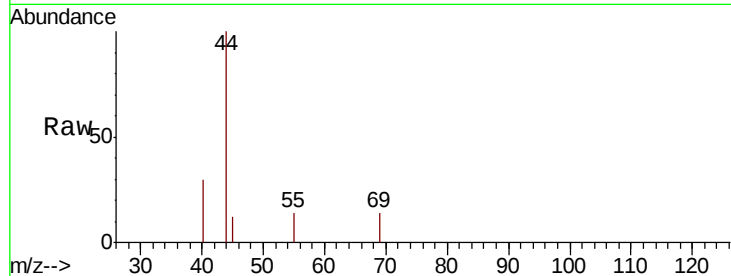
Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 69 Resp: 20

Ion	Ratio	Lower	Upper
69	100		
41	960.0	56.9	85.3#
39	275.0	28.4	42.6#



#58

2-Chloroethyl Vinyl ether

Concen: 14.249 ug/l

RT: 8.32 min Scan# 1175

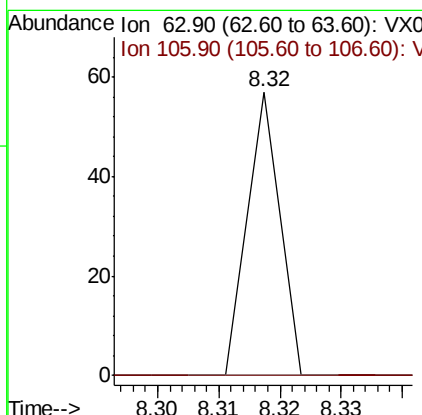
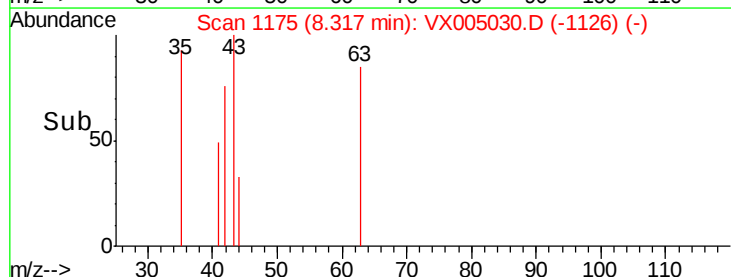
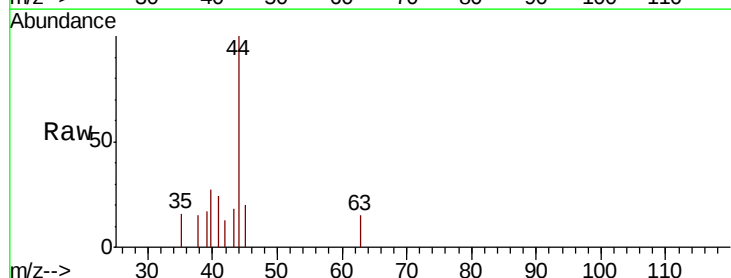
Delta R.T. 0.00 min

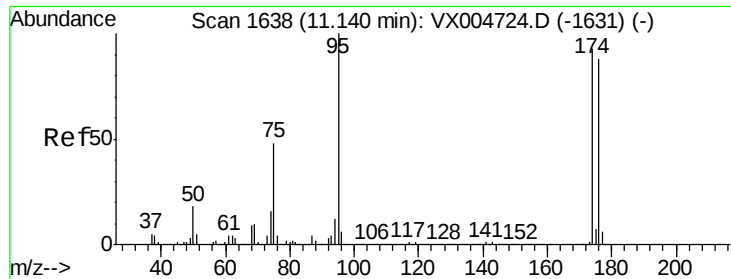
Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Tgt Ion: 63 Resp: 21

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.0	31.6#

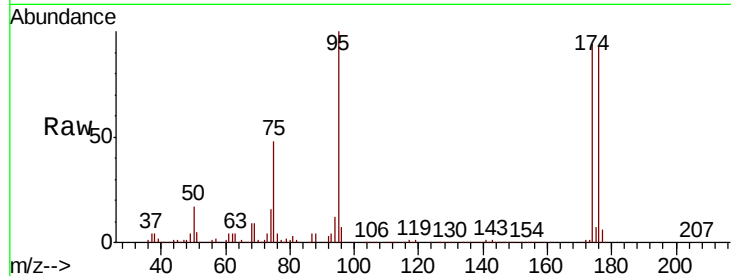




#62
4-Bromofluorobenzene
Concen: 52.433 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	185.0
176	88.7	0.0	180.2

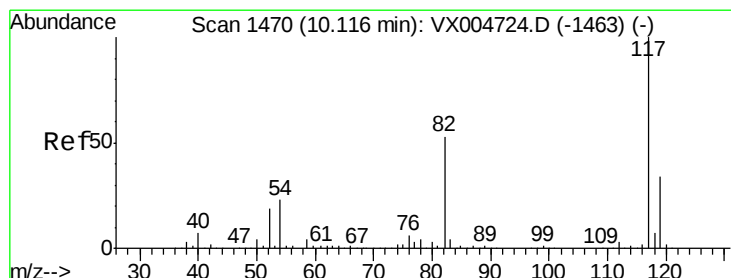
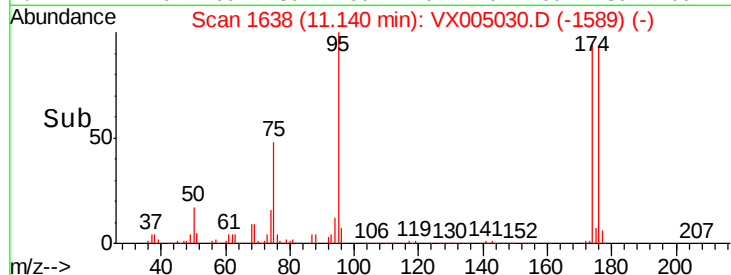
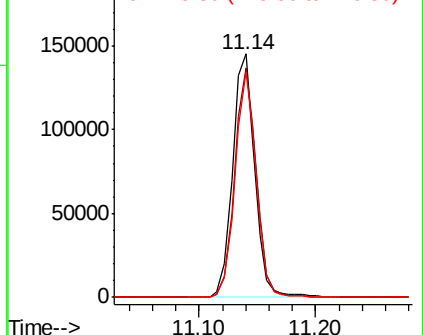


Abundance

Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

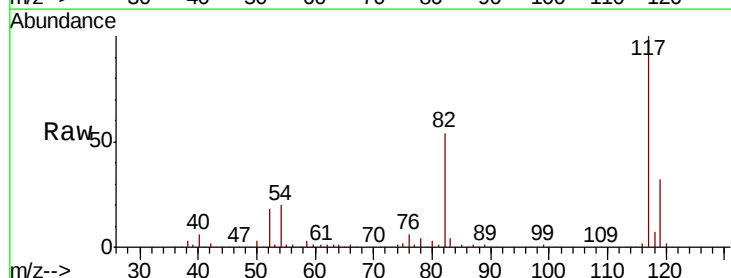
Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	32.4	27.4	41.0

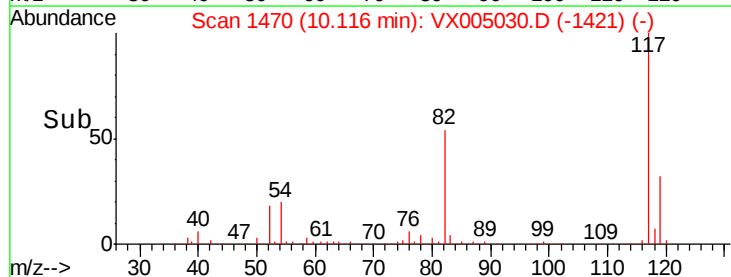
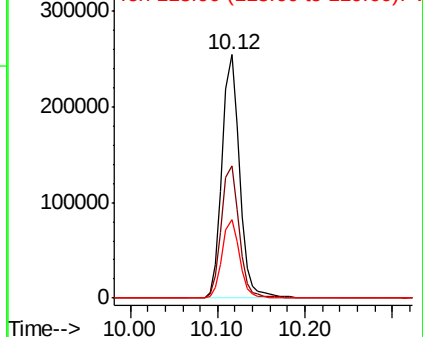


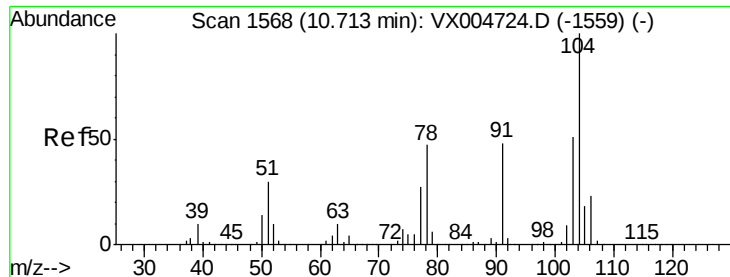
Abundance

Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)

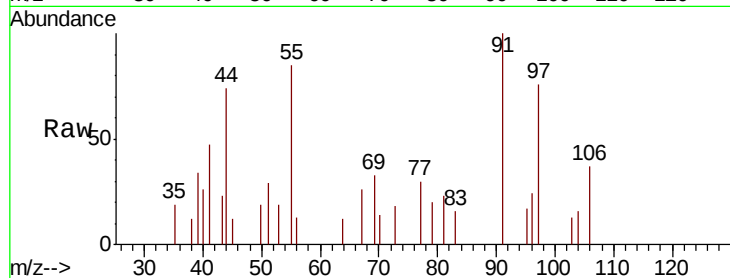




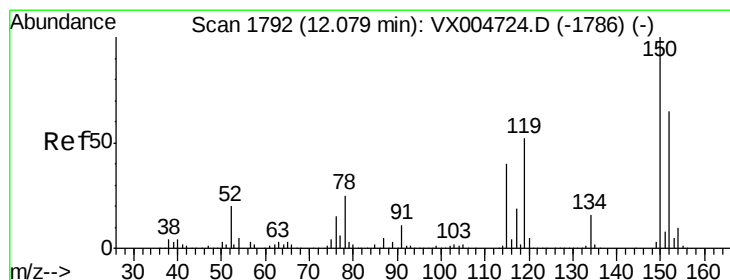
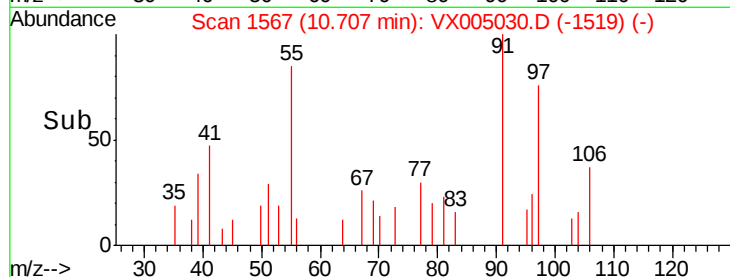
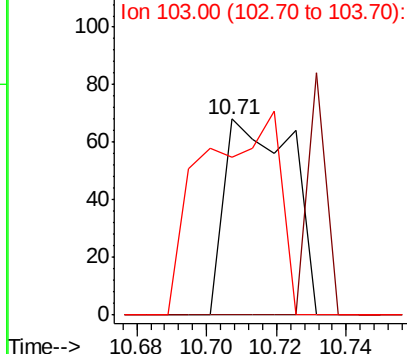
#70
Stvrene
Concen: 2.149 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:104 Resp: 91
Ion Ratio Lower Upper
104 100
78 0.0 40.0 60.0#
103 117.6 44.3 66.5#

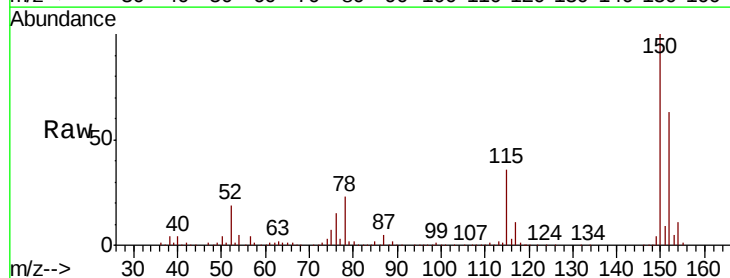


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

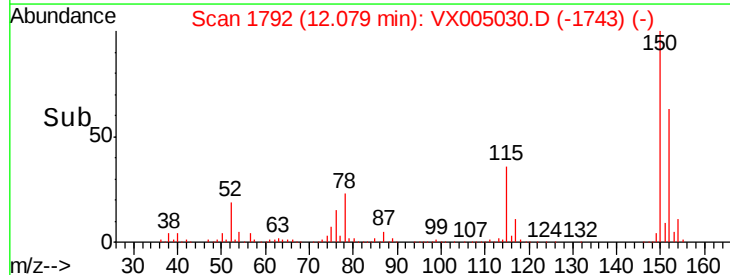
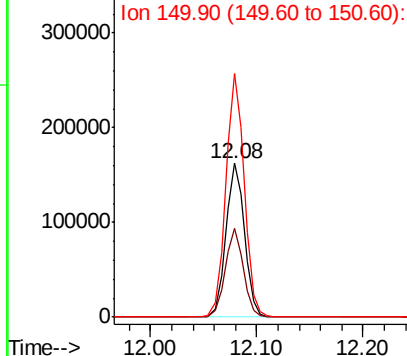


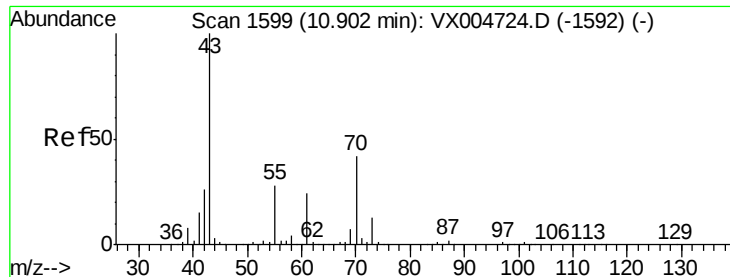
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion:152 Resp: 198275
Ion Ratio Lower Upper
152 100
115 55.7 40.2 120.6
150 156.8 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: 1.759 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.04 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 43 Resp: 76

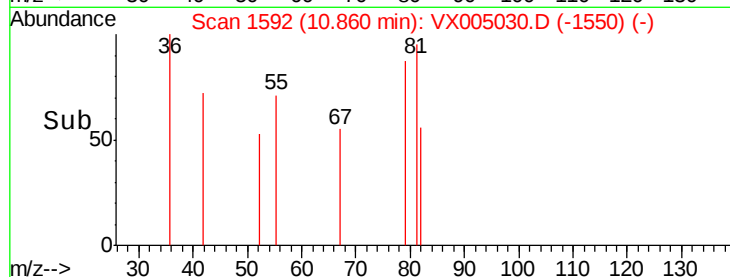
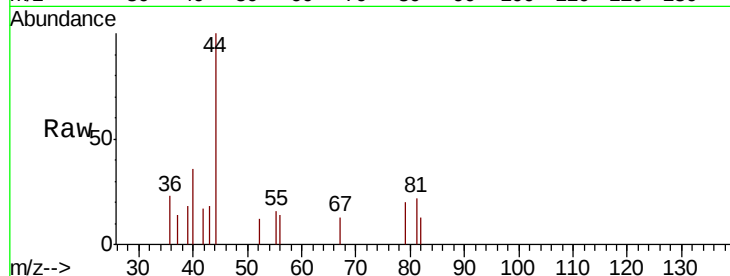
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

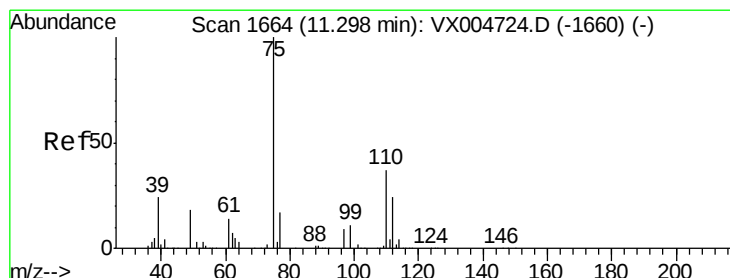
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Time-->

10.86

10.88



#76

1,2,3-Trichloropropane

Concen: 21.031 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005030.D

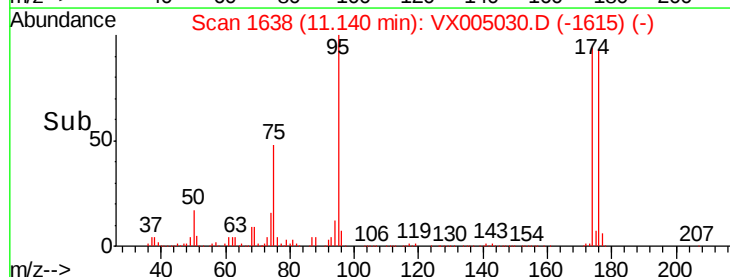
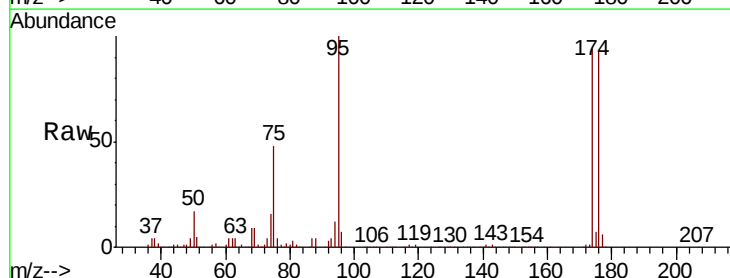
Acq: 04 Oct 2018 20:29

Tgt Ion: 75 Resp: 93465

Ion Ratio Lower Upper

75 100

77 1.5 21.4 64.3#



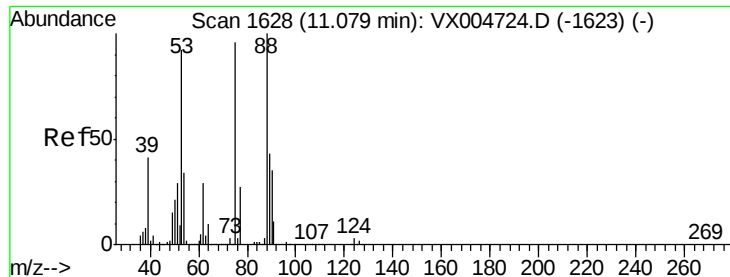
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->

11.14

11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 57.068 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

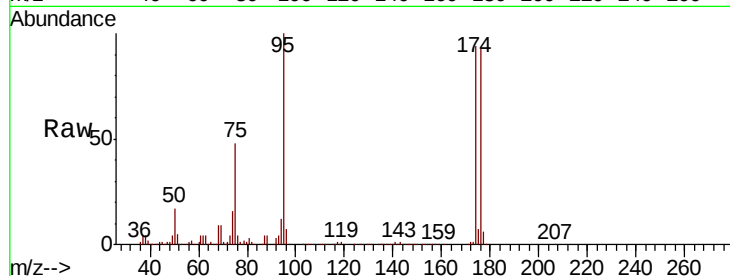
Tot Ion: 75 Resp: 93465

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.4#

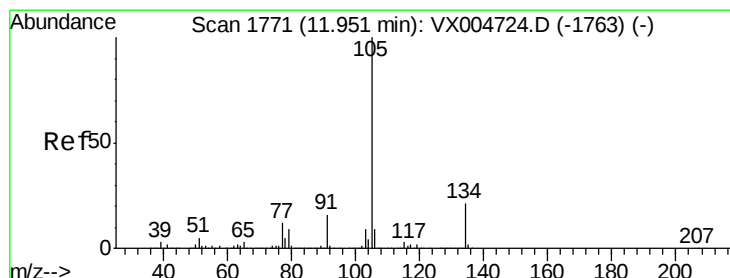
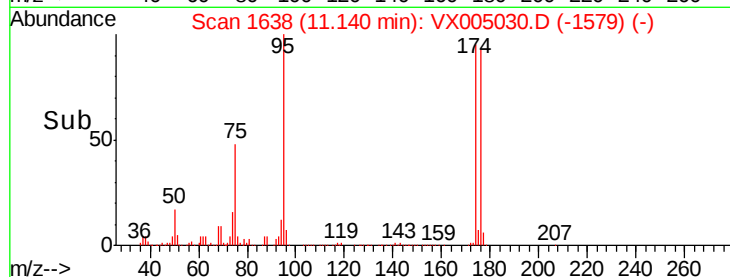
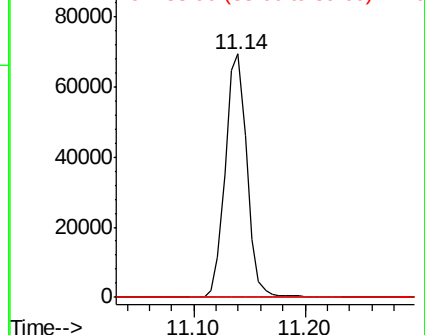
89 0.0 37.1 55.7#



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



#85

sec-Butylbenzene

Concen: 0.267 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005030.D

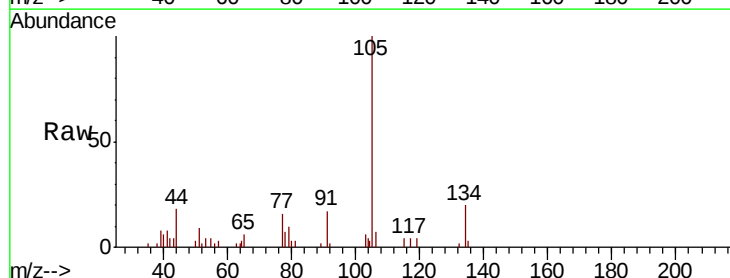
Acq: 04 Oct 2018 20:29

Tgt Ion: 105 Resp: 3352

Ion Ratio Lower Upper

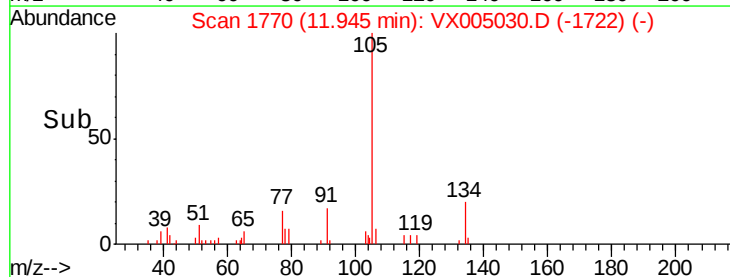
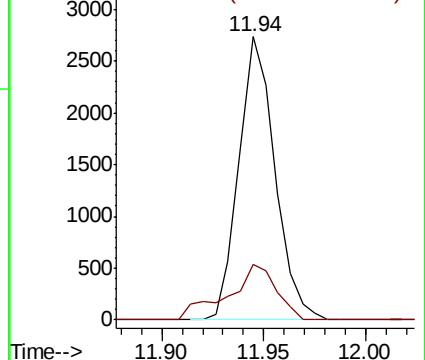
105 100

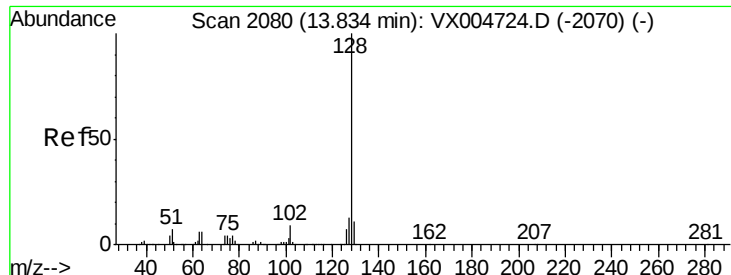
134 26.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 0.987 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.4	15.6
129	16.5	8.7	13.1

