

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101518\
 Data File : VX005333.D
 Acq On : 15 Oct 2018 10:35
 Operator : JC/MD
 Sample : J5459-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 03:17:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	302169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394915	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	355032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171640	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	159338	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	5.50	113	128917	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	8.71	98	471461	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.14	95	154054	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

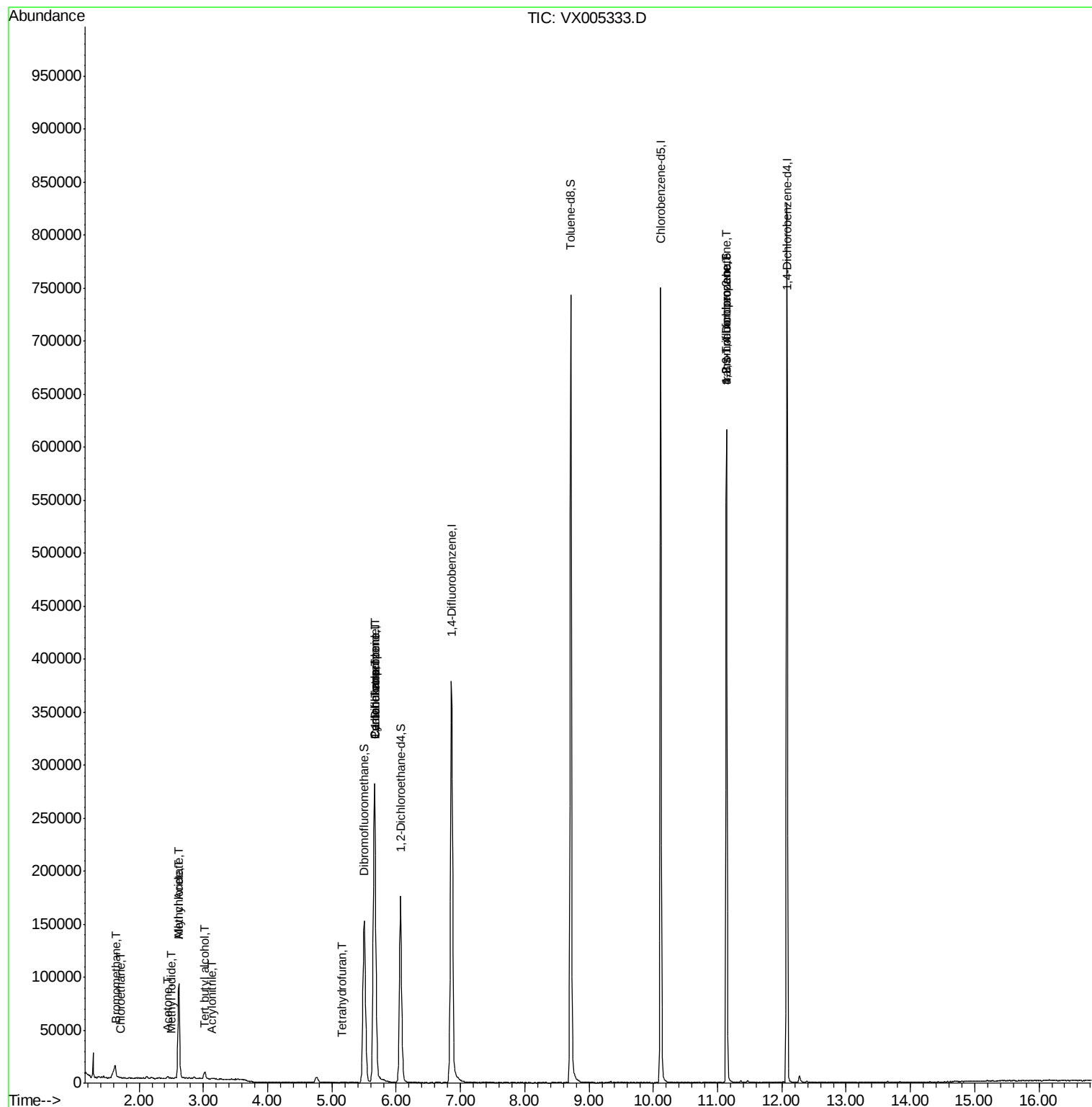
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	779	0.977	ug/l	95
6) Chloroethane	1.72	64	57	0.360	ug/l #	44
10) Methyl Iodide	2.51	142	687	2.712	ug/l #	88
11) Tert butyl alcohol	3.03	59	4048	4.279	ug/l #	75
13) Acrolein	2.29	56	131	Below Cal	#	69
14) Allyl chloride	2.62	41	8978	1.545	ug/l #	65
15) Acrylonitrile	3.14	53	445	0.208	ug/l #	25
16) Acetone	2.45	43	2250	1.160	ug/l	95
18) Methyl Acetate	2.62	43	22466	4.073	ug/l #	51
20) Methylene Chloride	2.85	84	536	Below Cal	#	84
29) Tetrahydrofuran	5.17	42	521	0.288	ug/l #	48
31) Cyclohexane	5.66	56	5023	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18859	4.931	ug/l #	50
38) Carbon Tetrachloride	5.66	117	24797	6.452	ug/l #	16
44) Trichloroethene	7.21	130	263	Below Cal		72
76) 1,2,3-Trichloropropane	11.14	75	75434	22.657	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	75434	68.844	ug/l #	10

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

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ClientSampled :

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QLast Update : Fri Oct 12 11:28:43 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005333.D

Acq: 15 Oct 2018 10:35

Instrument :

MSVOA_X

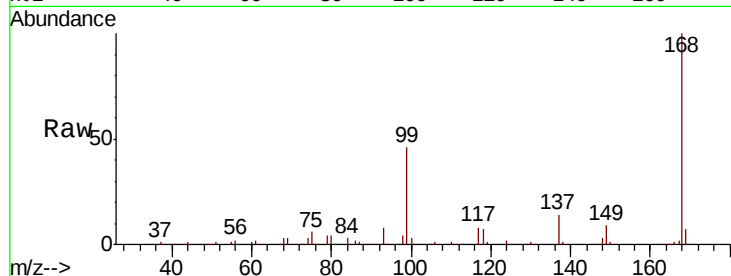
ClientSampleId :

Tot Ion:168 Resp: 302169

Ion Ratio Lower Upper

168 100

99 46.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

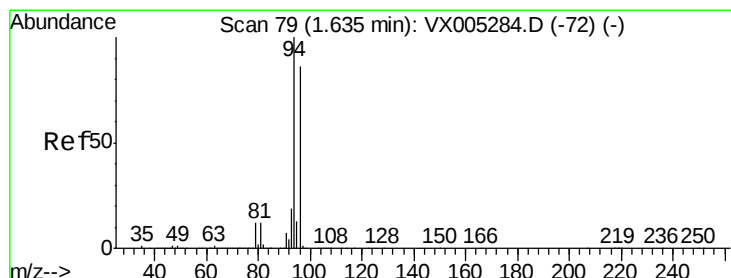
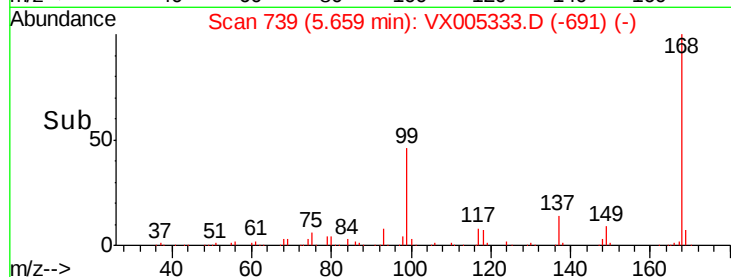
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.977 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005333.D

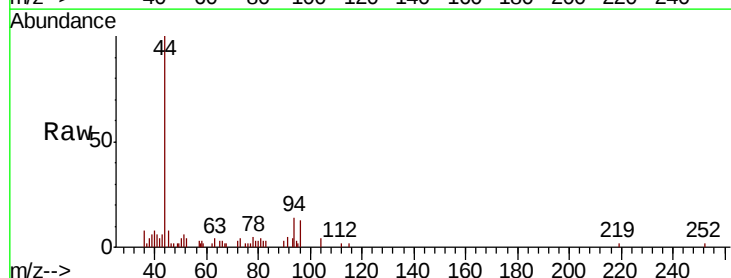
Acq: 15 Oct 2018 10:35

Tgt Ion: 94 Resp: 779

Ion Ratio Lower Upper

94 100

96 88.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

300

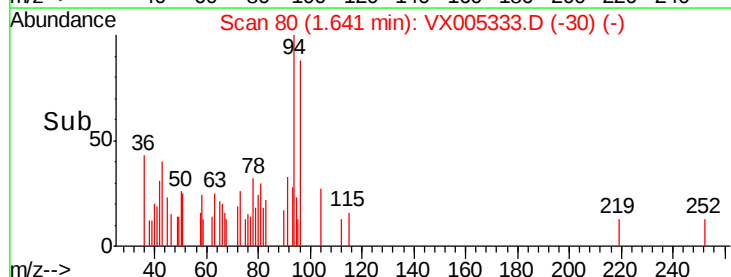
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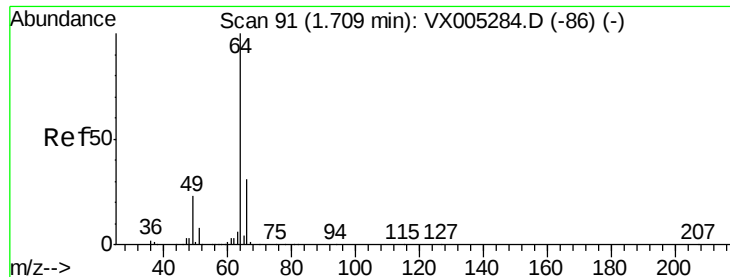
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.360 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005333.D

Acq: 15 Oct 2018 10:35

Instrument :

MSVOA_X

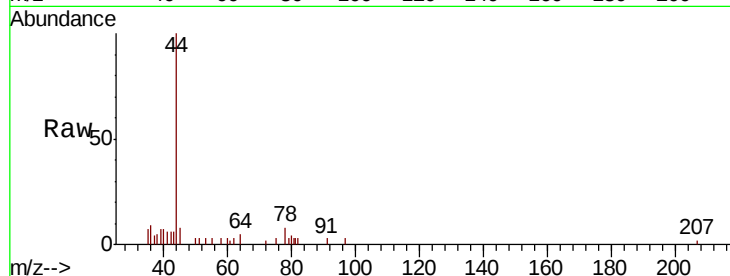
ClientSampled :

Tot Ion: 64 Resp: 57

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

120

100

80

60

40

20

0

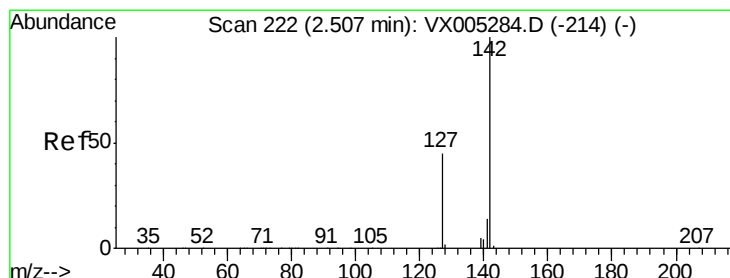
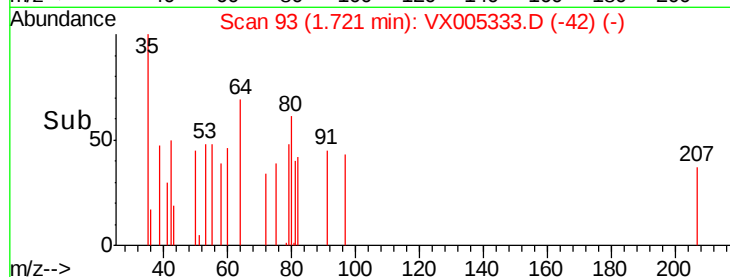
1.70

1.71

1.72

1.73

Time-->



#10

Methyl Iodide

Concen: 2.712 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005333.D

Acq: 15 Oct 2018 10:35

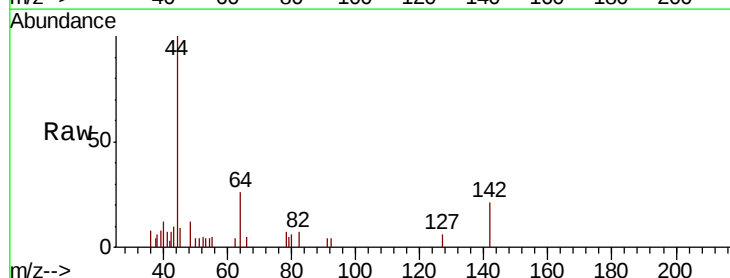
Tgt Ion: 142 Resp: 687

Ion Ratio Lower Upper

142 100

127 39.2 33.8 50.6

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

300

200

100

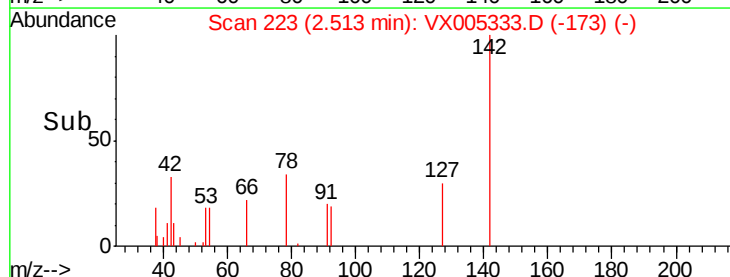
0

2.45

2.50

2.55

Time-->

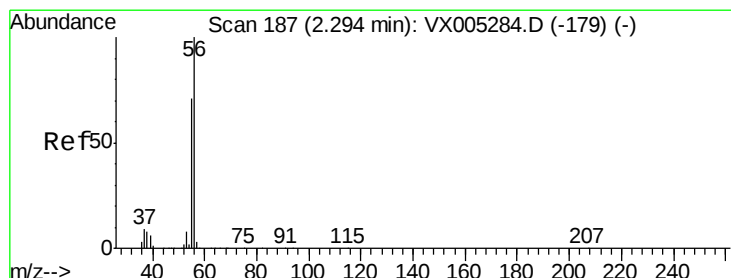
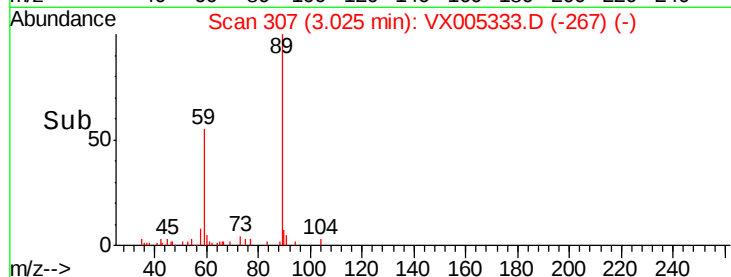
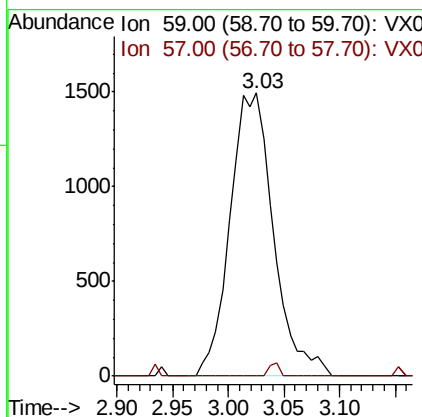
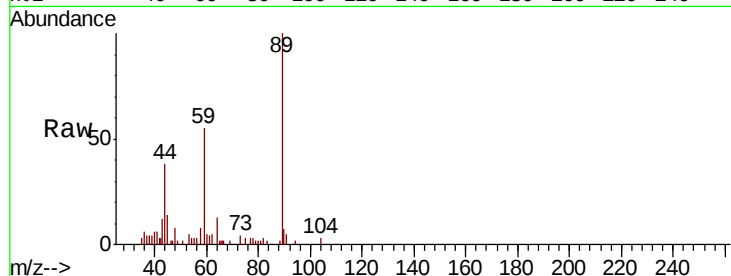




#11
Tert butyl alcohol
Concen: 4.279 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005333.D
Acq: 15 Oct 2018 10:35

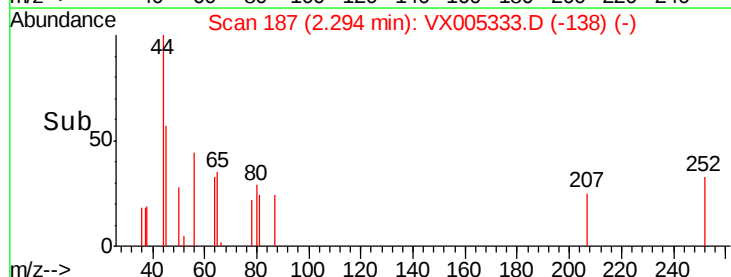
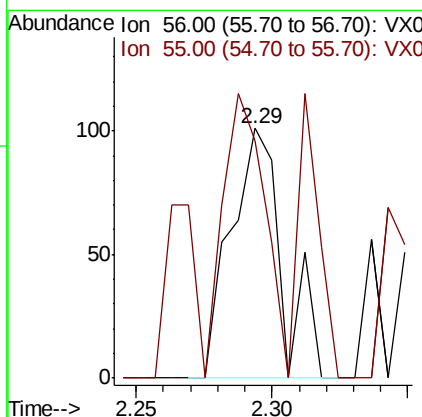
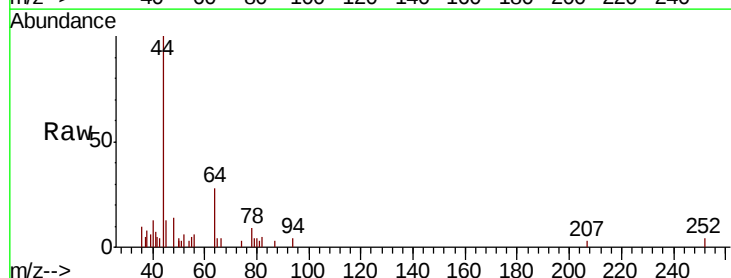
Instrument :
MSVOA_X
ClientSampleId :

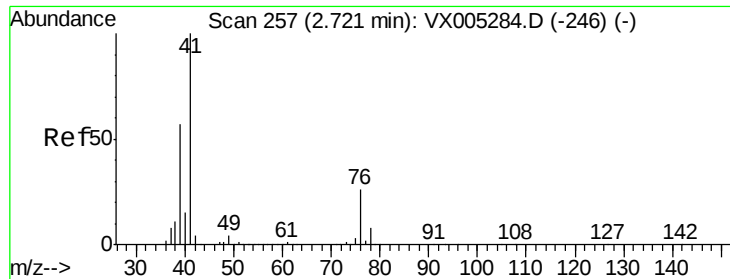
Tot Ion: 59 Resp: 4048
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005333.D
Acq: 15 Oct 2018 10:35

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 93.9 54.7 82.1#

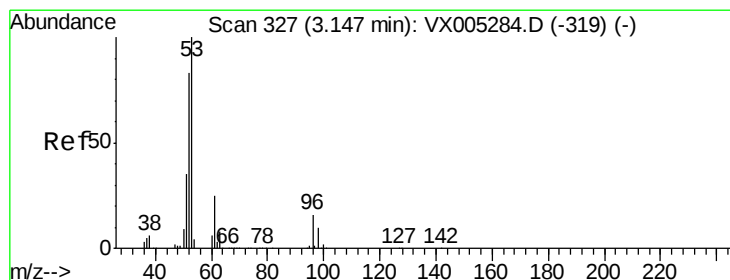
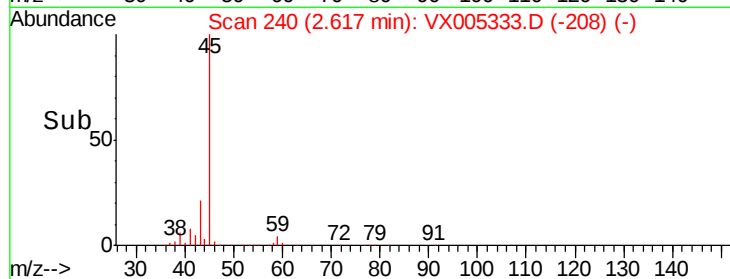
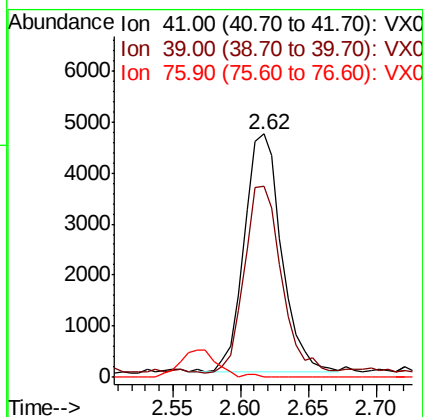
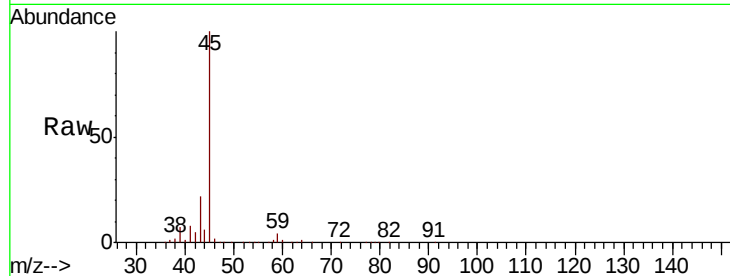




#14
Allvl chloride
Concen: 1.545 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.10 min
Lab File: VX005333.D
Acq: 15 Oct 2018 10:35

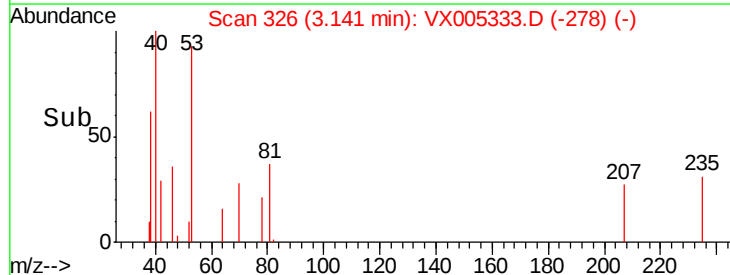
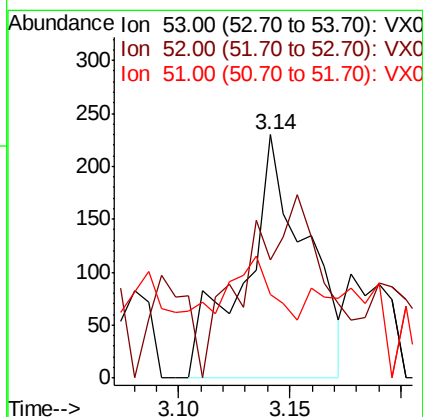
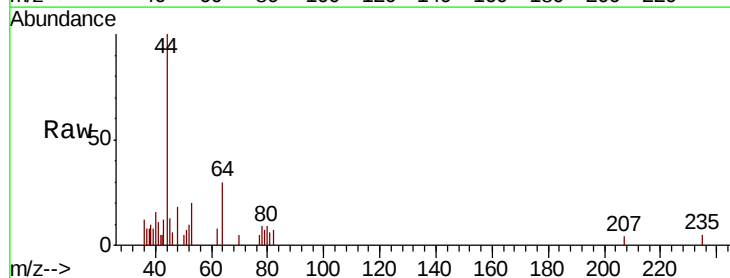
Instrument :
MSVOA_X
ClientSampled :

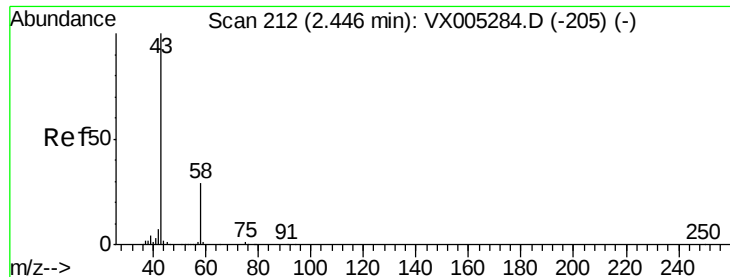
Tot Ion: 41 Resp: 8978
Ion Ratio Lower Upper
41 100
39 77.8 48.9 73.3#
76 0.0 26.7 40.1#



#15
Acrylonitrile
Concen: 0.208 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX005333.D
Acq: 15 Oct 2018 10:35

Tgt Ion: 53 Resp: 445
Ion Ratio Lower Upper
53 100
52 0.0 65.2 97.8#
51 14.6 28.2 42.2#





#16

Acetone

Concen: 1.160 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005333.D

Acq: 15 Oct 2018 10:35

Instrument :

MSVOA_X

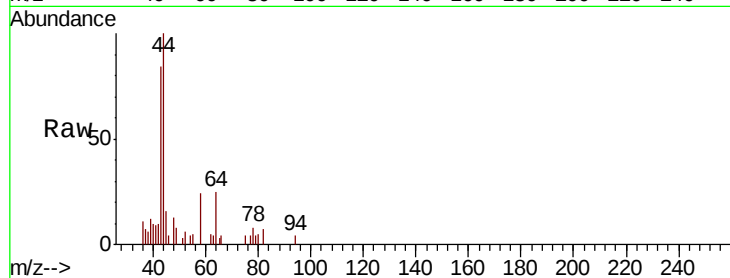
ClientSampled :

Tot Ion: 43 Resp: 2250

Ion Ratio Lower Upper

43 100

58 30.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

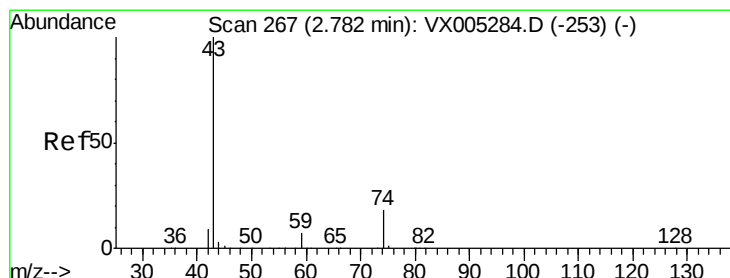
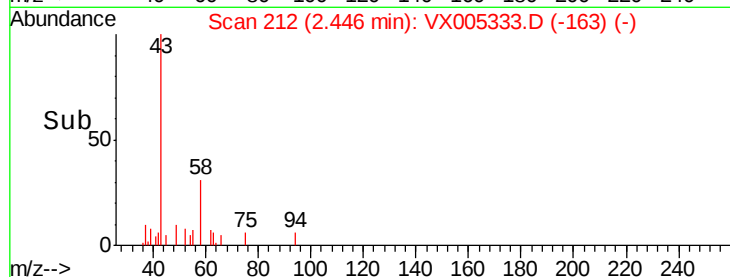
1000

500

2.45

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 4.073 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.16 min

Lab File: VX005333.D

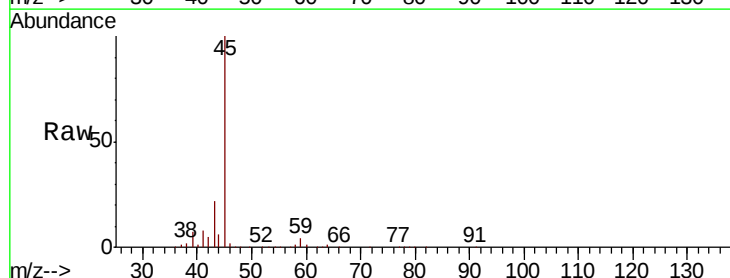
Acq: 15 Oct 2018 10:35

Tgt Ion: 43 Resp: 22466

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

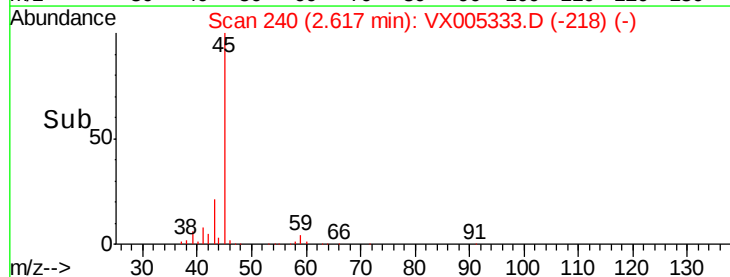
10000

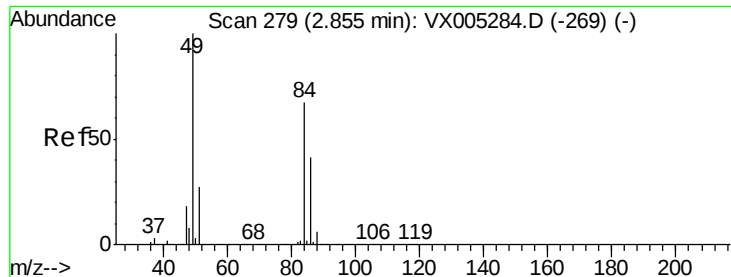
5000

2.62

2.55 2.60 2.65 2.70 2.75

Time-->

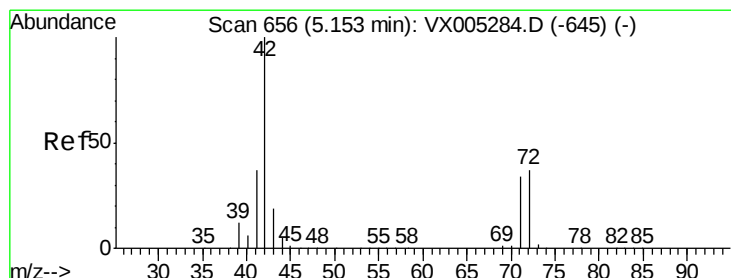
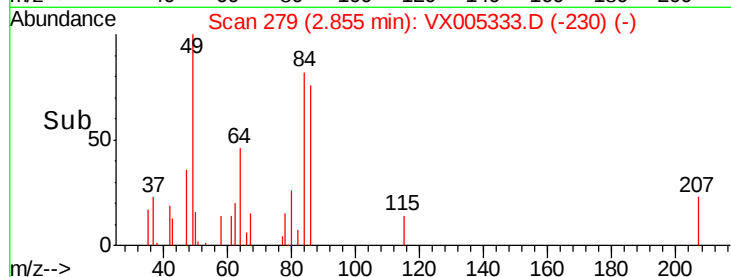
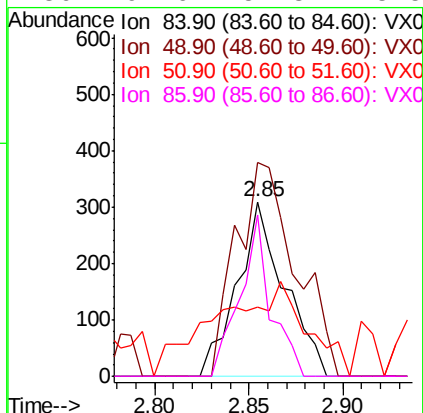
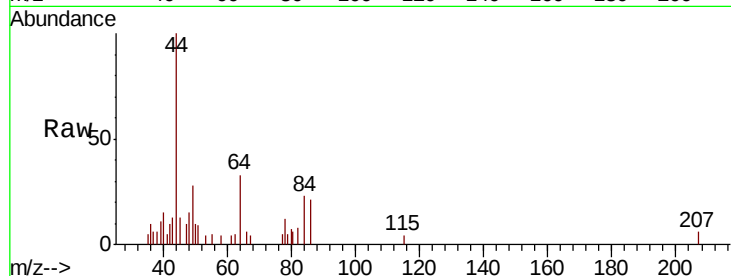




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005333.D
Acq: 15 Oct 2018 10:35

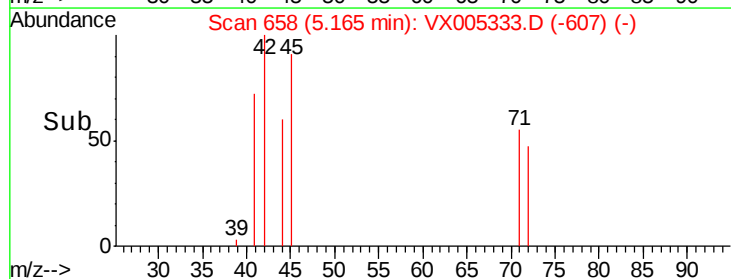
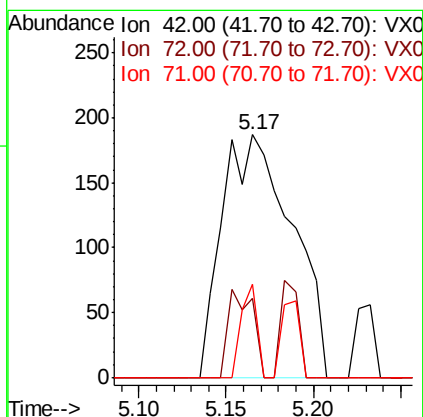
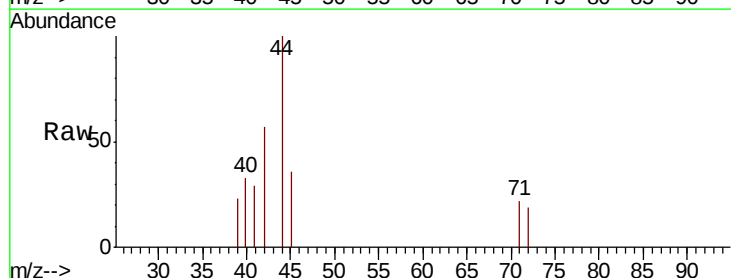
Instrument :
MSVOA_X
ClientSampleId :

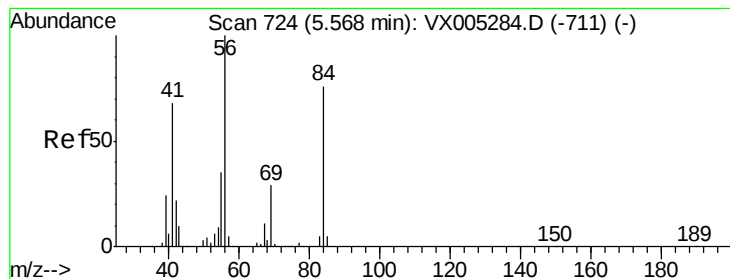
Tot Ion: 84 Resp: 536
Ion Ratio Lower Upper
84 100
49 122.3 101.2 151.8
51 21.0 29.5 44.3#
86 92.6 52.3 78.5#



#29
Tetrahydrofuran
Concen: 0.288 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005333.D
Acq: 15 Oct 2018 10:35

Tgt Ion: 42 Resp: 521
Ion Ratio Lower Upper
42 100
72 12.7 37.4 56.0#
71 8.6 34.5 51.7#





#31

Cyclohexane

Concen: 1.090 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005333.D

Acq: 15 Oct 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

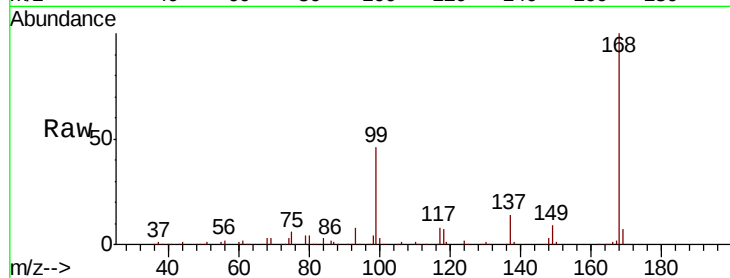
Tot Ion: 56 Resp: 5023

Ion Ratio Lower Upper

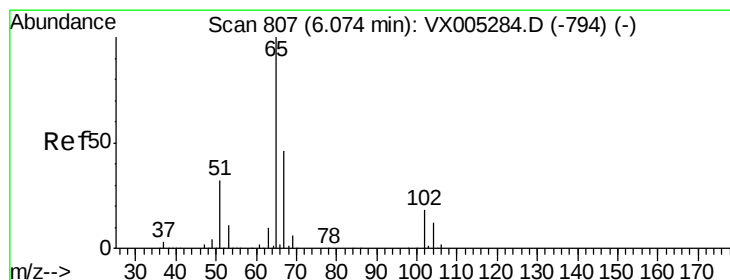
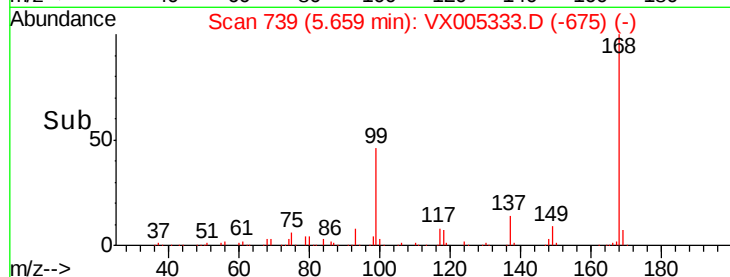
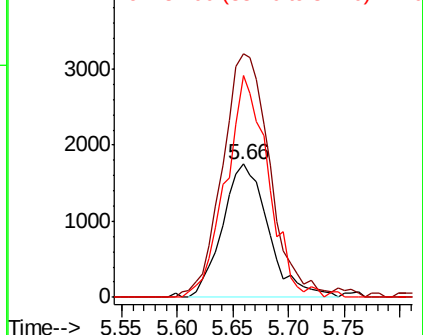
56 100

69 177.4 25.4 38.2#

84 162.0 71.4 107.2#



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: 47.512 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005333.D

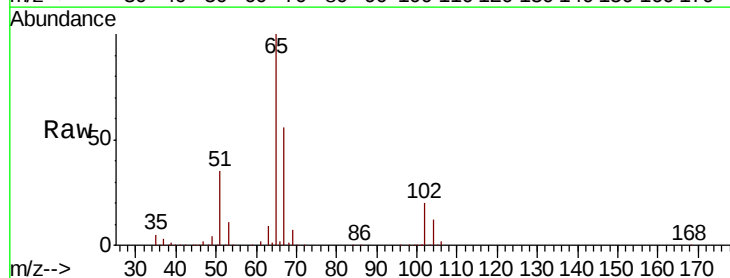
Acq: 15 Oct 2018 10:35

Tgt Ion: 65 Resp: 159338

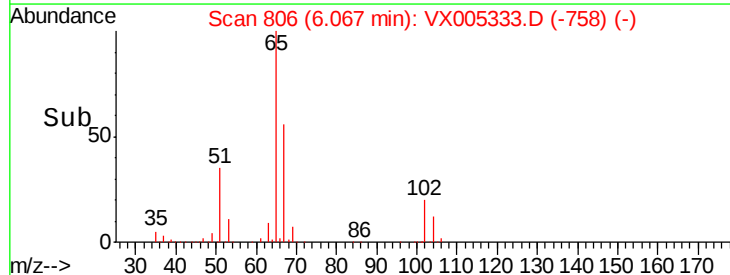
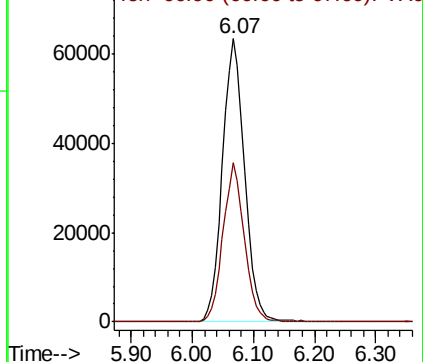
Ion Ratio Lower Upper

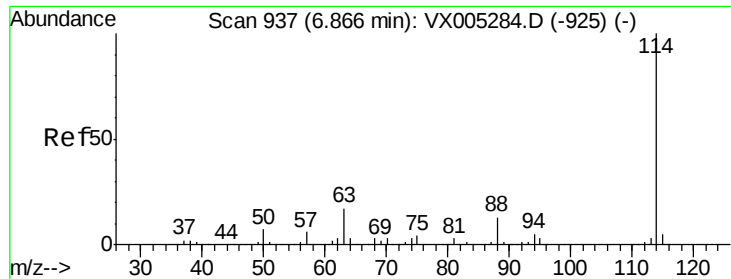
65 100

67 53.8 0.0 106.8



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

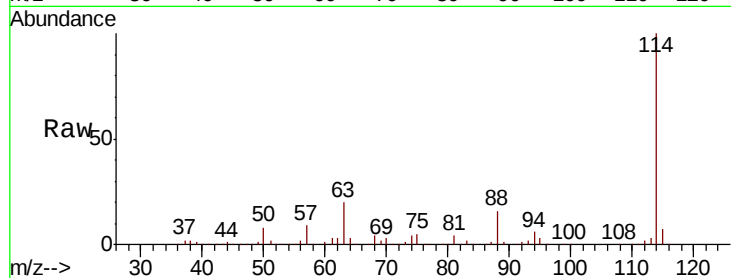




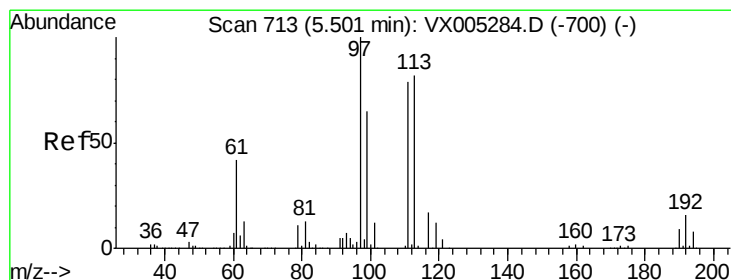
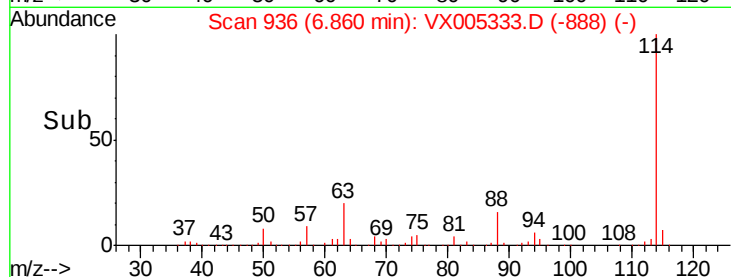
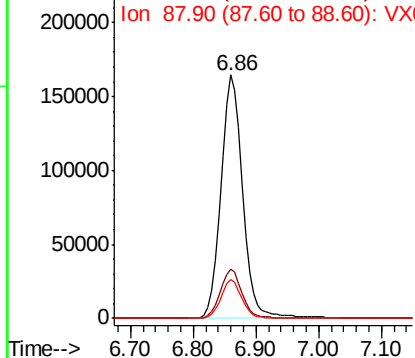
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005333.D
 Acq: 15 Oct 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.0
88	15.8	0.0	30.4

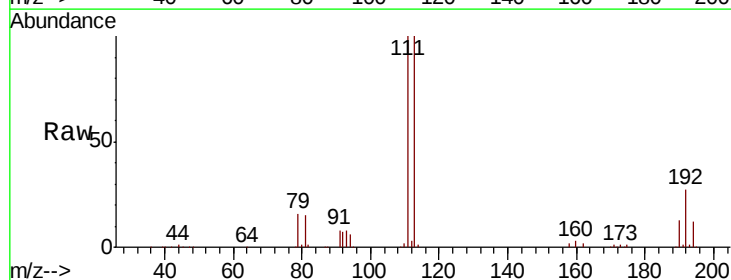


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

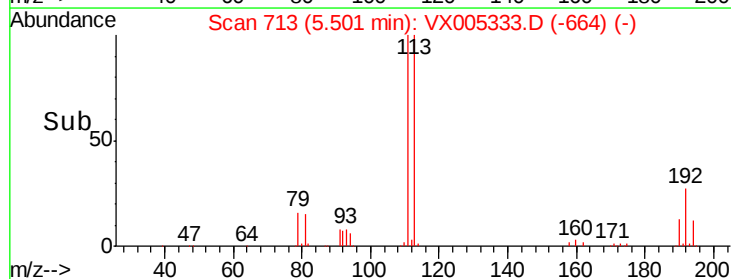
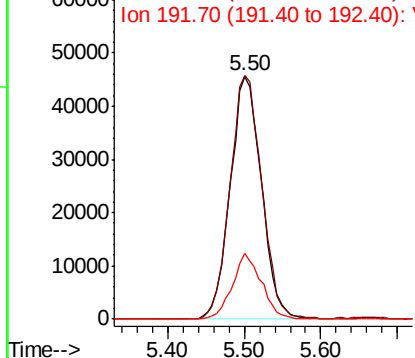


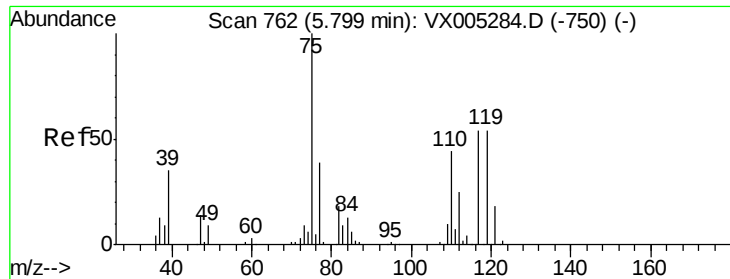
#35
 Dibromofluoromethane
 Concen: 49.287 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005333.D
 Acq: 15 Oct 2018 10:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	25.0	19.4	29.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

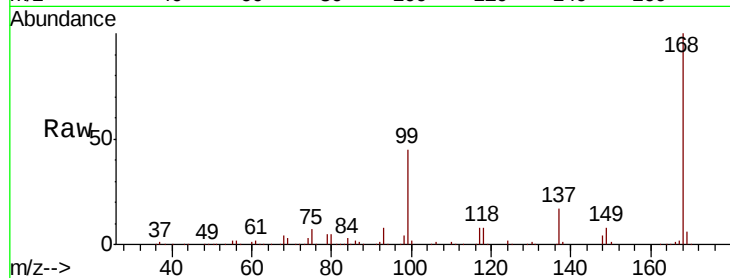




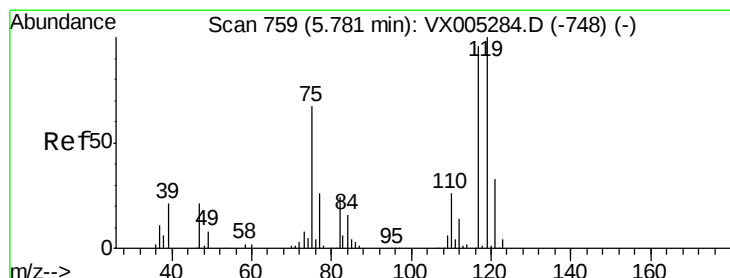
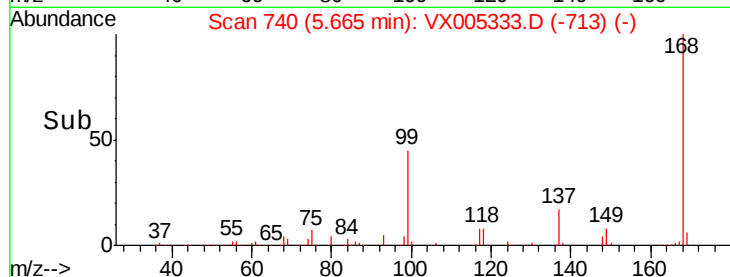
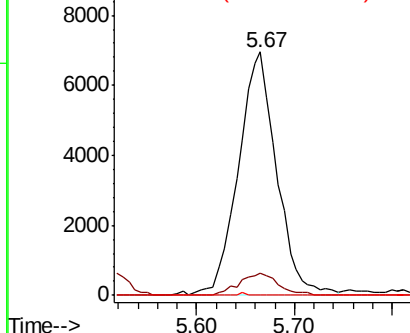
#36
 1,1-Dichloropropene
 Concen: 4.931 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005333.D
 Acq: 15 Oct 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.0	54.0#
77	0.1	24.6	36.8#

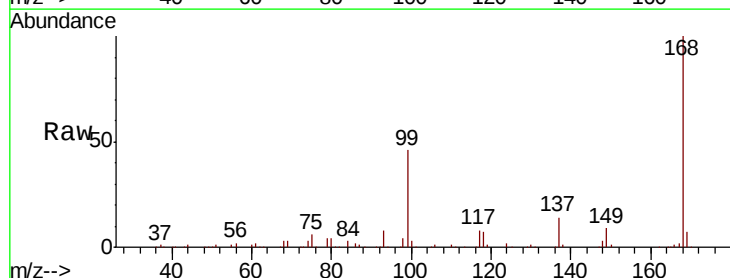


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

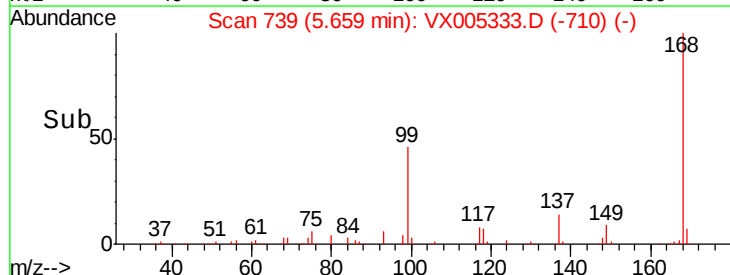
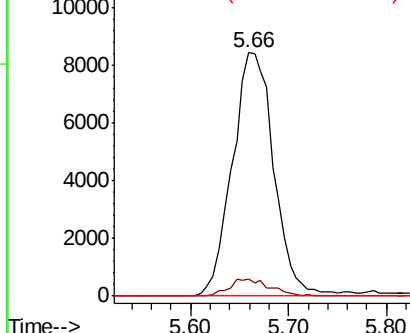


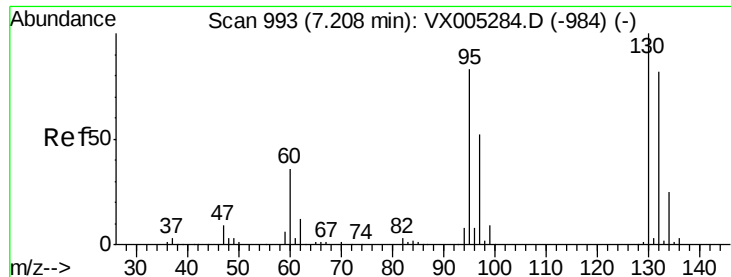
#38
 Carbon Tetrachloride
 Concen: 6.452 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005333.D
 Acq: 15 Oct 2018 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	78.8	118.2#
121	0.0	24.9	37.3#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

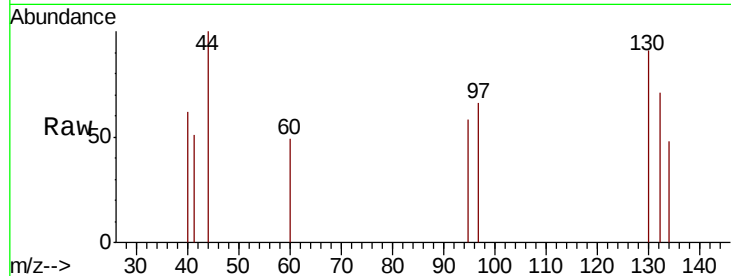




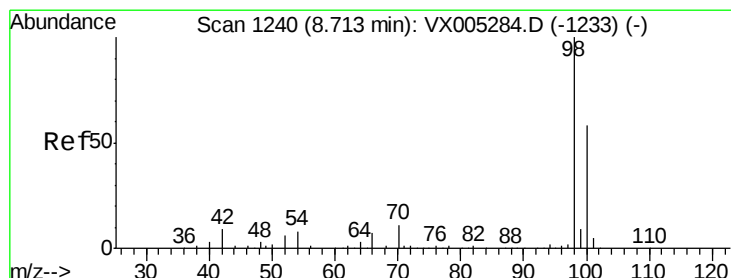
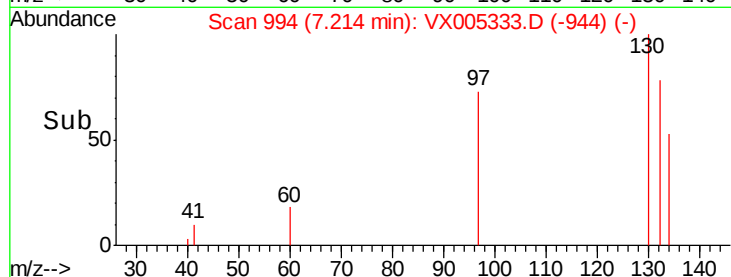
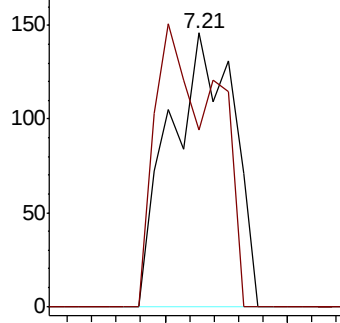
#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005333.D
 Acq: 15 Oct 2018 10:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 263
 Ion Ratio Lower Upper
 130 100
 95 64.4 0.0 181.6

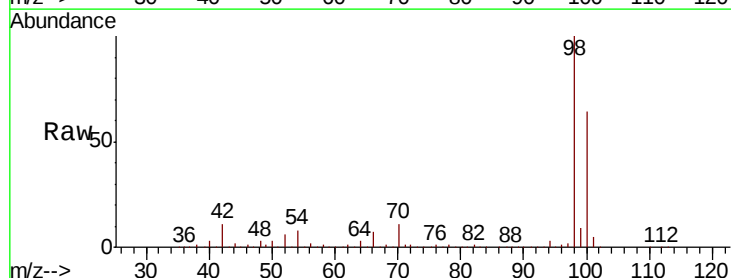


Abundance Ion 129.80 (129.50 to 130.50): VX005284.D (-984) (-)
 Ion 94.90 (94.60 to 95.60): VX005284.D (-984) (-)

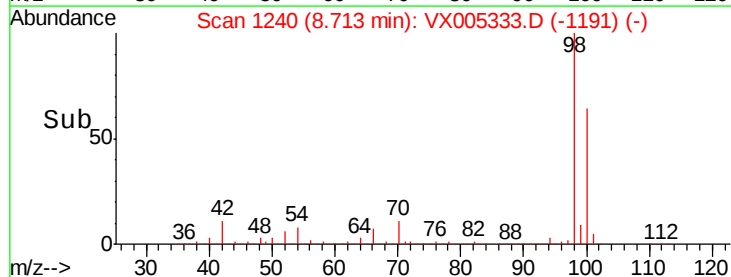
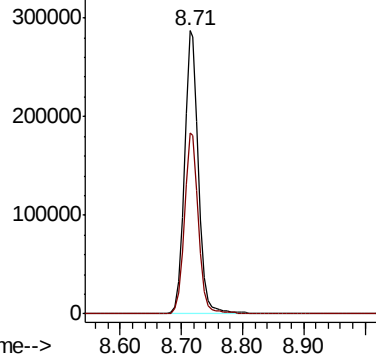


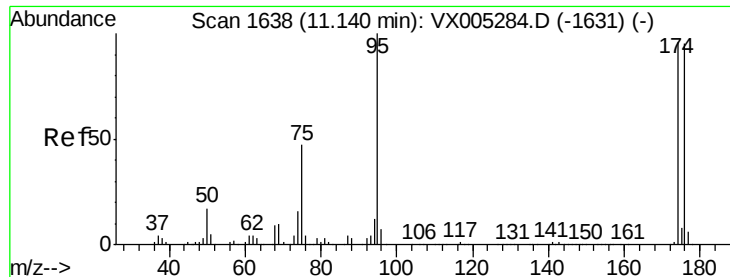
#50
 Toluene-d8
 Concen: 52.504 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX005333.D
 Acq: 15 Oct 2018 10:35

Tgt Ion: 98 Resp: 471461
 Ion Ratio Lower Upper
 98 100
 100 64.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX005284.D (-1233) (-)
 Ion 100.00 (99.70 to 100.70): VX005284.D (-1233) (-)

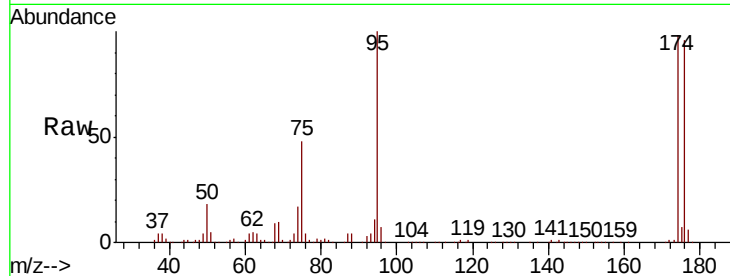




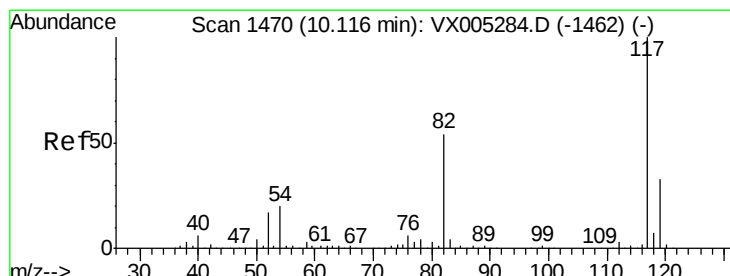
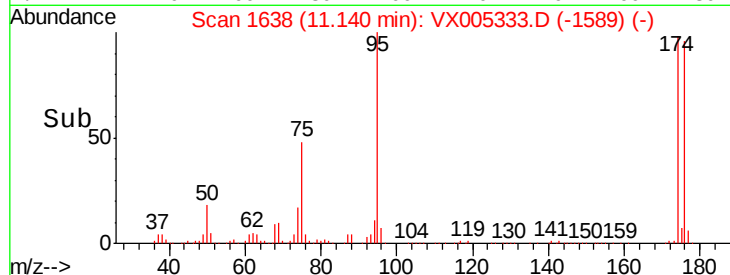
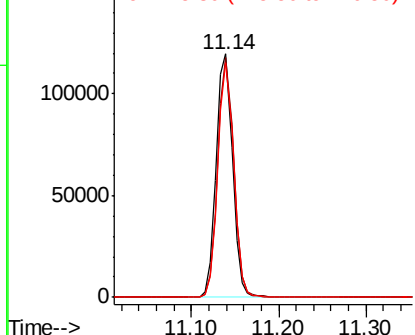
#62
4-Bromofluorobenzene
Concen: 45.668 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005333.D
Acq: 15 Oct 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 154054
Ion Ratio Lower Upper
95 100
174 96.5 0.0 185.2
176 93.8 0.0 178.6

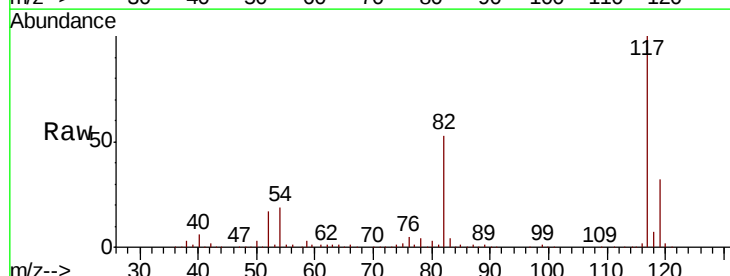


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

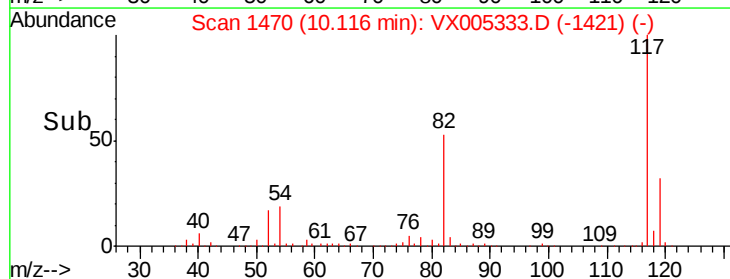
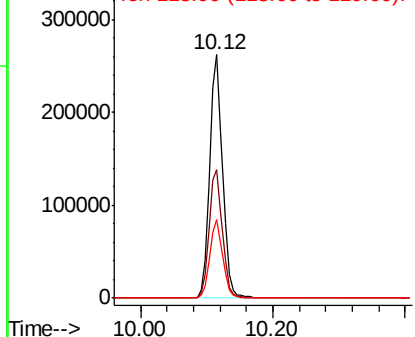


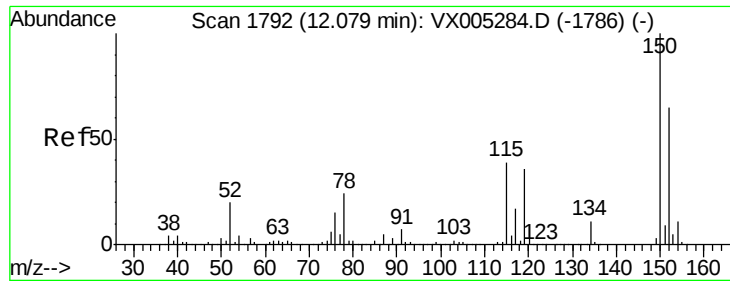
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005333.D
Acq: 15 Oct 2018 10:35

Tgt Ion: 117 Resp: 355032
Ion Ratio Lower Upper
117 100
82 52.8 47.8 71.6
119 32.1 29.3 43.9



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



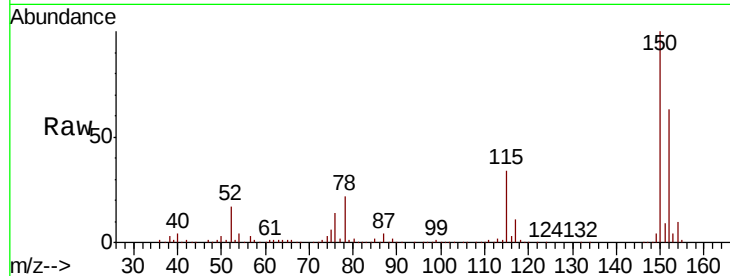


#72

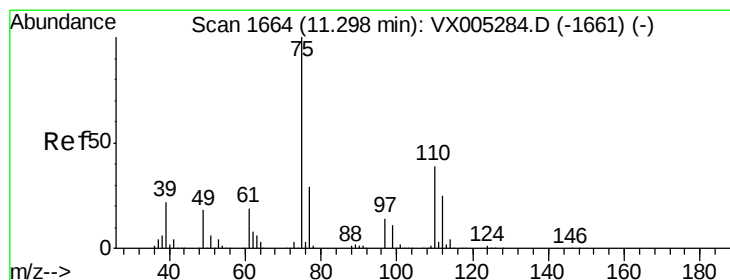
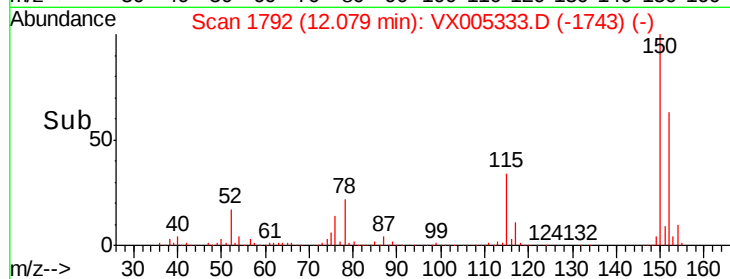
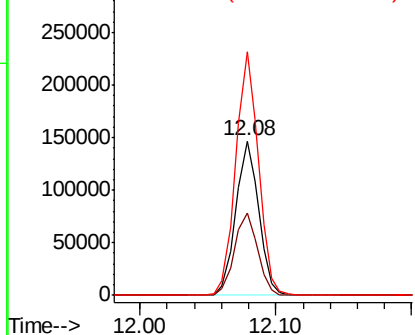
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005333.D
Acq: 15 Oct 2018 10:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 171640
Ion Ratio Lower Upper
152 100
115 54.3 39.0 117.0
150 156.5 0.0 351.0



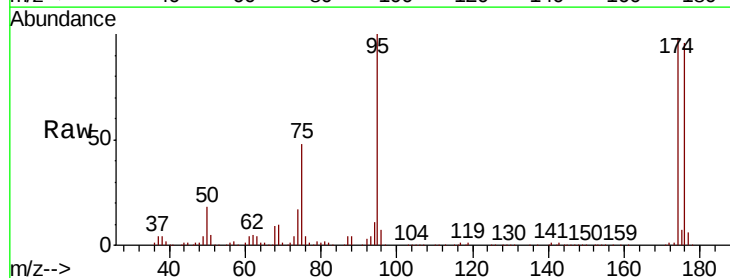
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



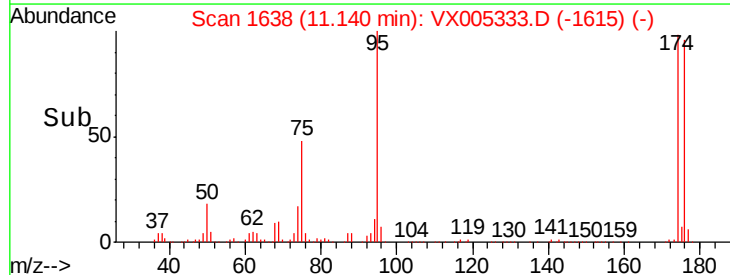
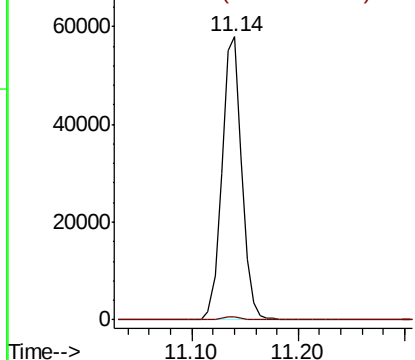
#76

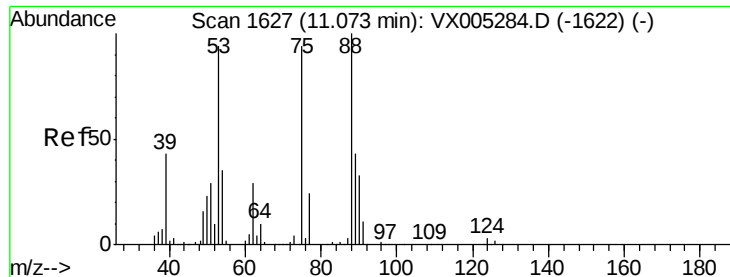
1,2,3-Trichloropropane
Concen: 22.657 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005333.D
Acq: 15 Oct 2018 10:35

Tgt Ion: 75 Resp: 75434
Ion Ratio Lower Upper
75 100
77 1.2 20.2 60.6#



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: 68.844 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005333.D

Acq: 15 Oct 2018 10:35

Instrument :

MSVOA_X

ClientSampleId :

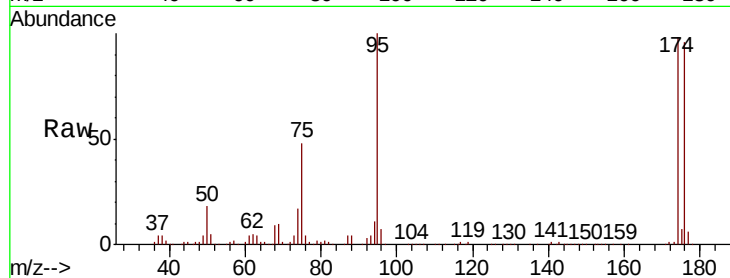
Tot Ion: 75 Resp: 75434

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

