

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031218\
 Data File : VX000284.D
 Acq On : 12 Mar 2018 19:02
 Operator : JC/MD
 Sample : J1699-74RE
 Misc : 5.82g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 13 04:38:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	180738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	306002	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.13	117	293049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	163730	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	118313	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
35) Dibromofluoromethane	5.52	113	91114	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	8.73	98	366100	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	11.15	95	138175	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	

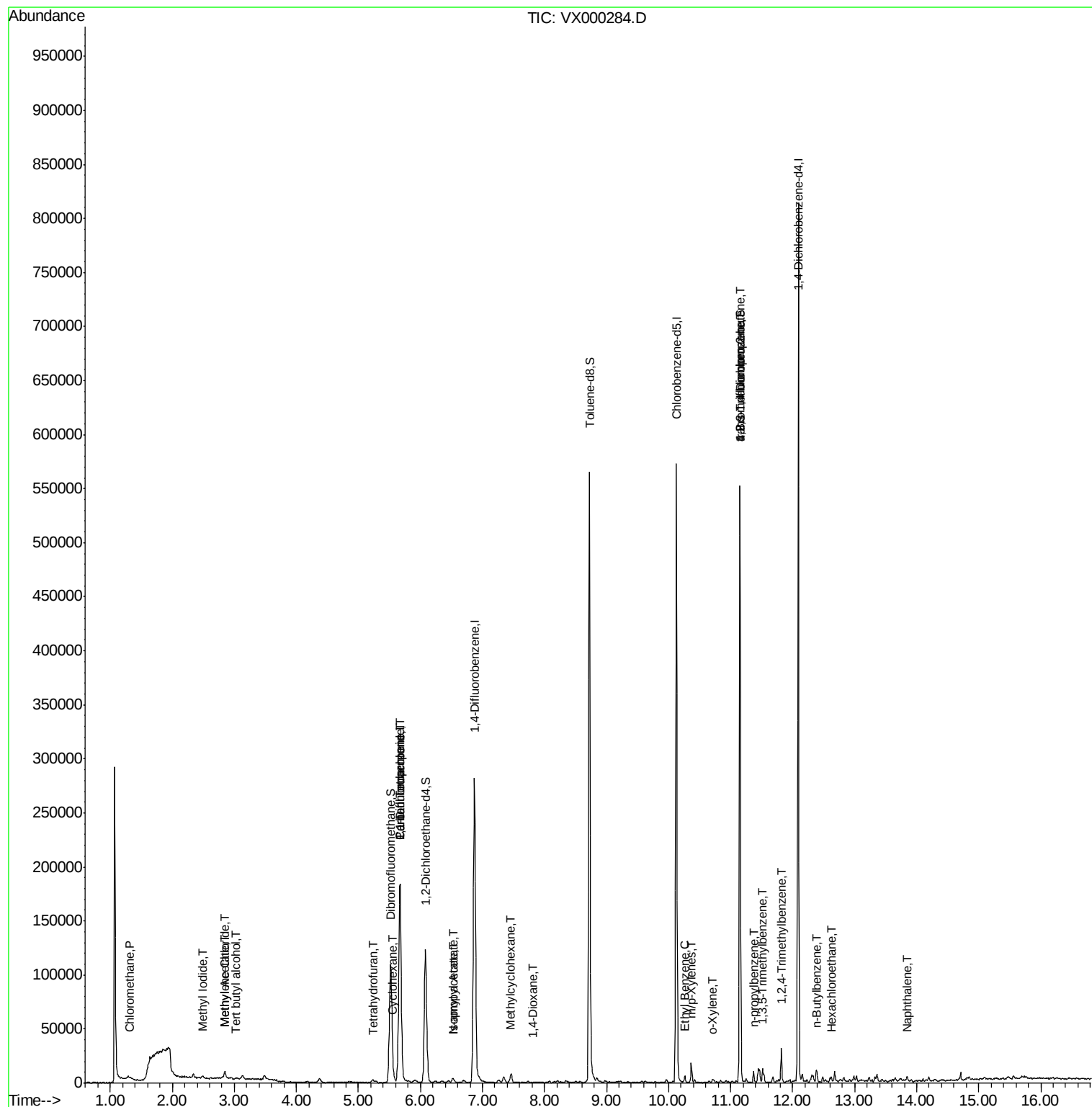
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	493	0.26	ug/l	97
5) Bromomethane	1.64	94	1859	Below	Cal	99
6) Chloroethane	1.70	64	254	Below	Cal	90
10) Methyl Iodide	2.49	142	1646	3.85	ug/l #	92
11) Tert butyl alcohol	3.03	59	993	1.08	ug/l #	72
18) Methyl Acetate	2.84	43	3957	1.03	ug/l #	54
20) Methylene Chloride	2.85	84	1089	0.51	ug/l #	84
29) Tetrahydrofuran	5.23	42	1992	1.43	ug/l	93
31) Cyclohexane	5.56	56	1546	0.56	ug/l #	90
36) 1,1-Dichloropropene	5.67	75	13499	4.96	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17534	6.36	ug/l #	16
39) Methylcyclohexane	7.46	83	3563	1.07	ug/l	87
43) Isopropyl Acetate	6.52	43	2295	0.40	ug/l #	62
49) 1,4-Dioxane	7.82	88	19	0.30	ug/l #	1
67) Ethyl Benzene	10.26	91	3989	0.39	ug/l	89
68) m/p-Xylenes	10.37	106	4631	1.16	ug/l	99
69) o-Xylene	10.71	106	884	0.23	ug/l	89
74) N-amyl acetate	6.52	43	2295	0.44	ug/l #	59
76) 1,2,3-Trichloropropane	11.15	75	72966	22.23	ug/l #	33
78) n-propylbenzene	11.37	91	4984	0.41	ug/l	99
80) 1,3,5-Trimethylbenzene	11.52	105	5205	0.61	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.15	75	72966	68.08	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	13305	1.51	ug/l	99
89) n-Butylbenzene	12.40	91	2840	0.32	ug/l #	58
90) Hexachloroethane	12.62	117	395	0.26	ug/l #	11
95) Naphthalene	13.85	128	3081	0.24	ug/l	99

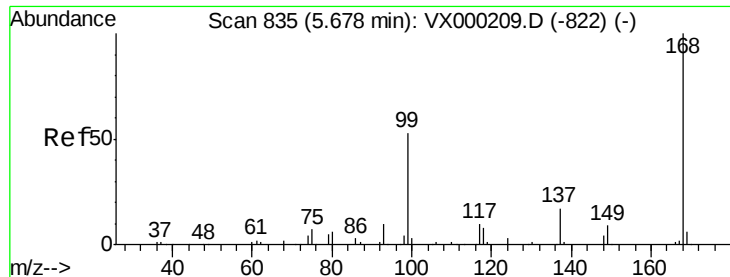
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

Instrument :

MSVOA_X

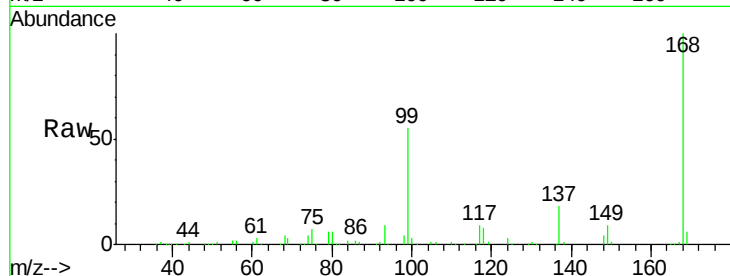
ClientSampleId :

Tot Ion:168 Resp: 180738

Ion Ratio Lower Upper

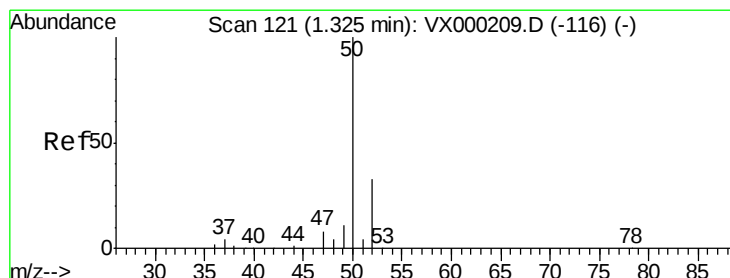
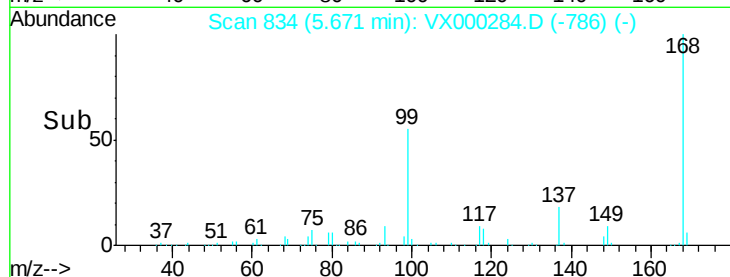
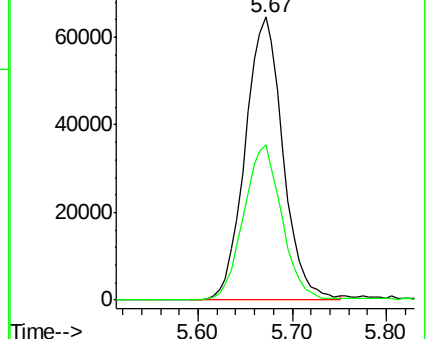
168 100

99 54.8 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000284.D

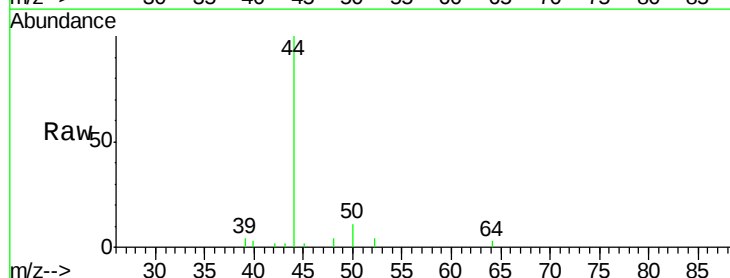
Acq: 12 Mar 2018 19:02

Tgt Ion: 50 Resp: 493

Ion Ratio Lower Upper

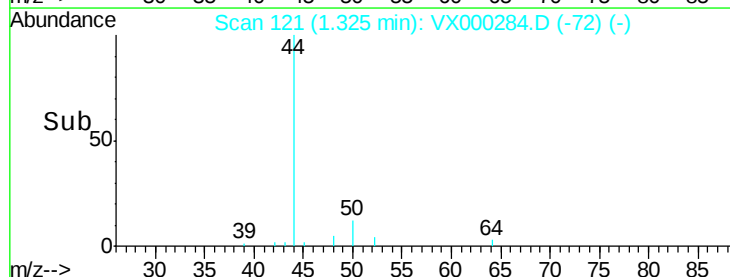
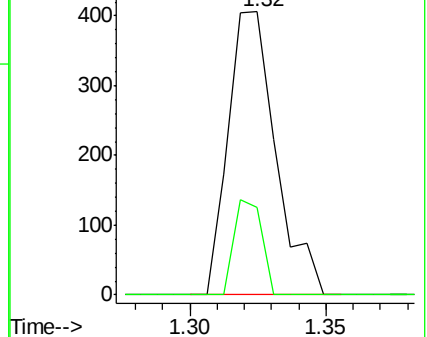
50 100

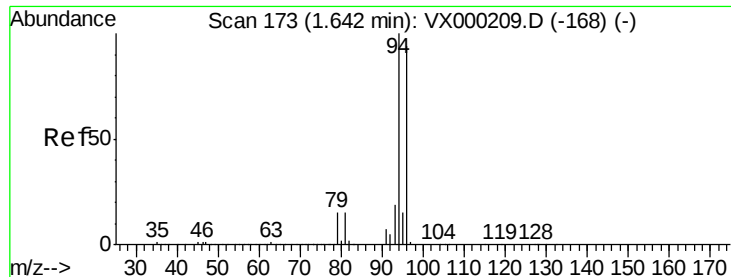
52 30.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

Instrument :

MSVOA_X

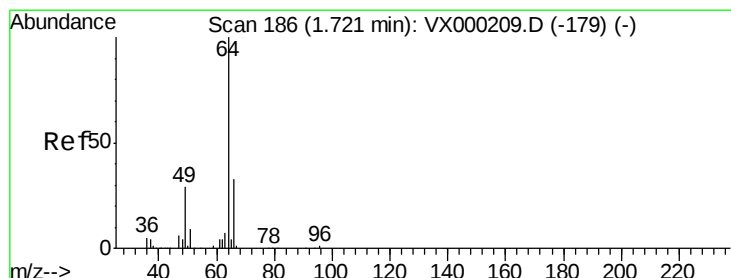
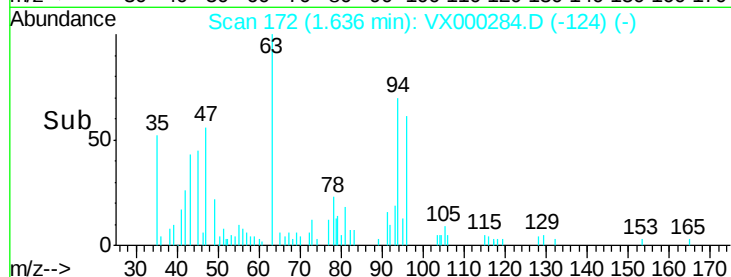
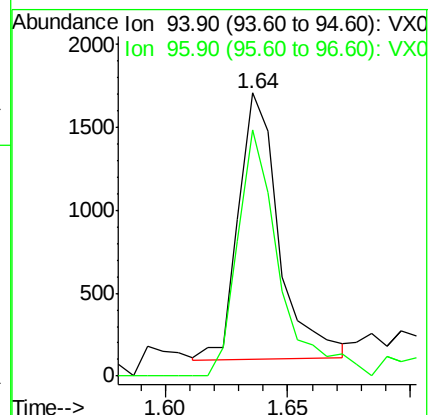
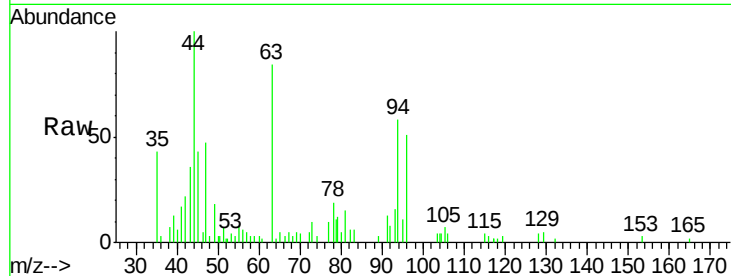
ClientSampleId :

Tot Ion: 94 Resp: 1859

Ion Ratio Lower Upper

94 100

96 93.2 75.3 112.9



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX000284.D

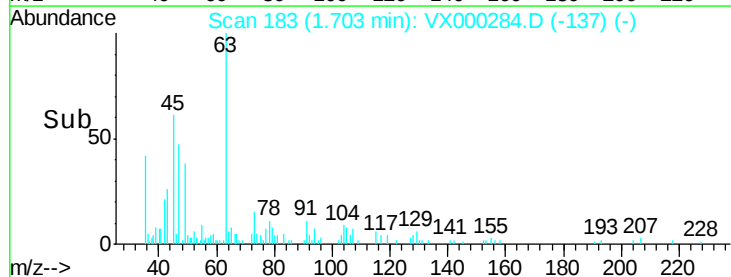
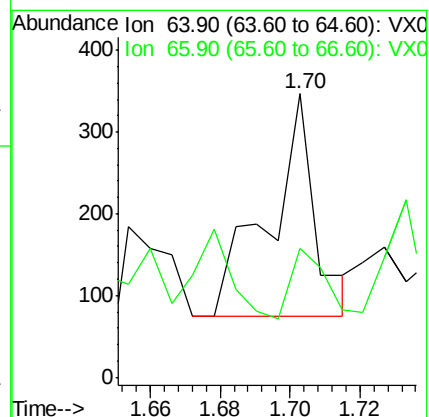
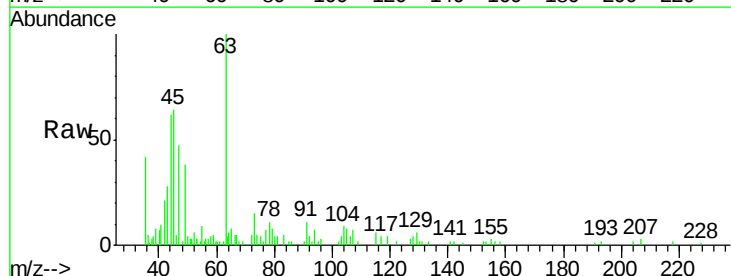
Acq: 12 Mar 2018 19:02

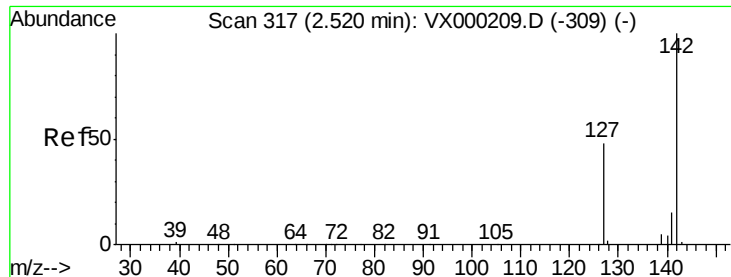
Tgt Ion: 64 Resp: 254

Ion Ratio Lower Upper

64 100

66 27.1 26.2 39.4

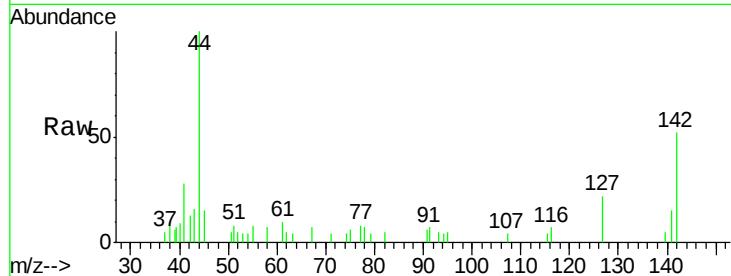




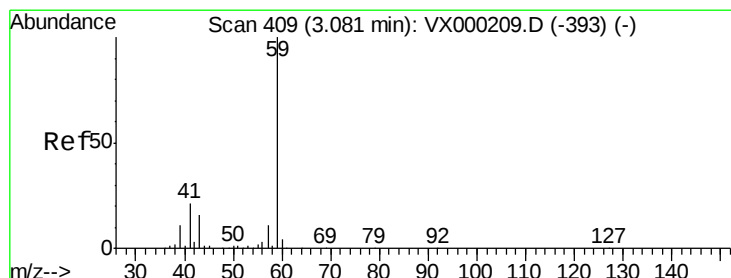
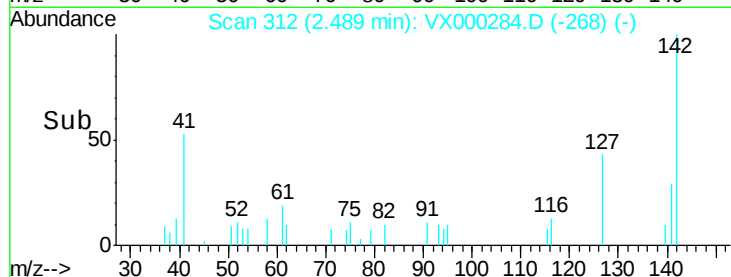
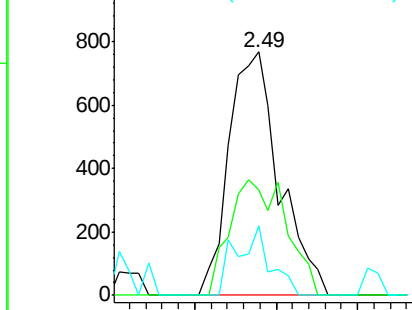
#10
Methvl Iodide
Concen: 3.85 ug/l
RT: 2.49 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 1646
Ion Ratio Lower Upper
142 100
127 53.3 39.0 58.6
141 19.3 11.6 17.4#

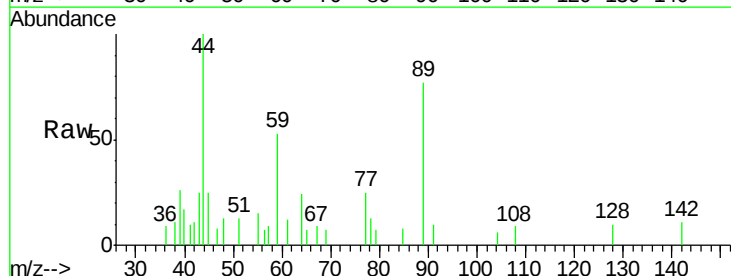


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

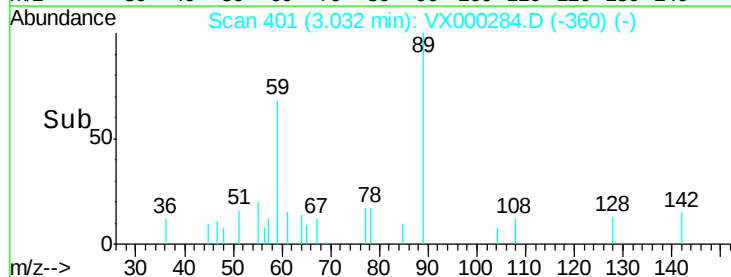
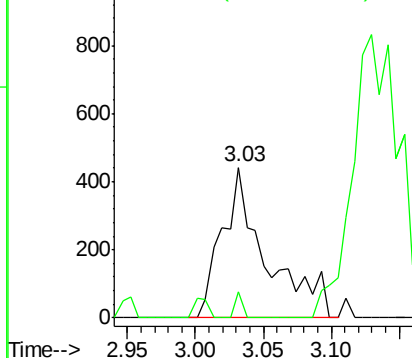


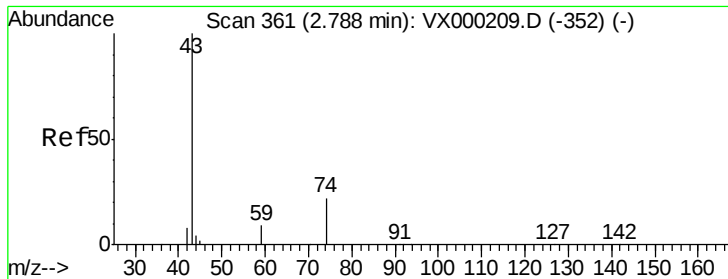
#11
Tert butyl alcohol
Concen: 1.08 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

Tgt Ion: 59 Resp: 993
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

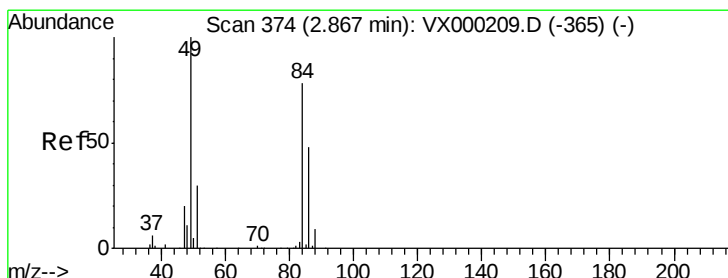
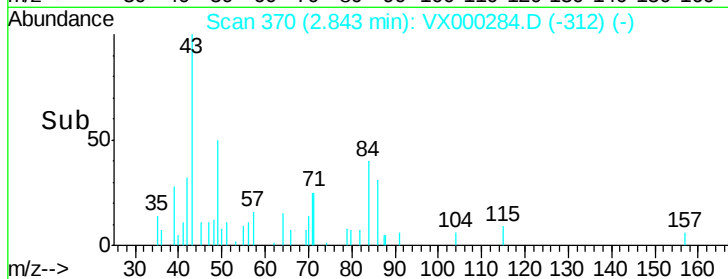
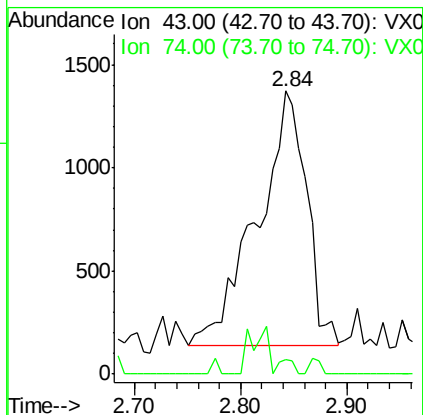
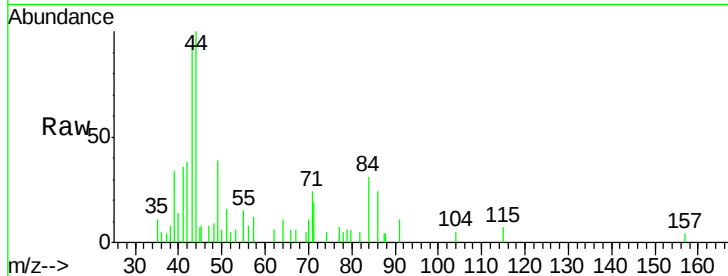




#18
Methvl Acetate
Concen: 1.03 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.05 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

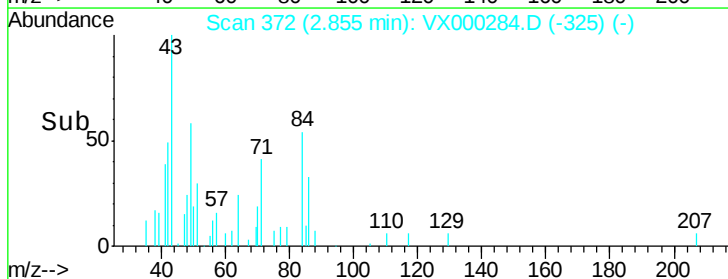
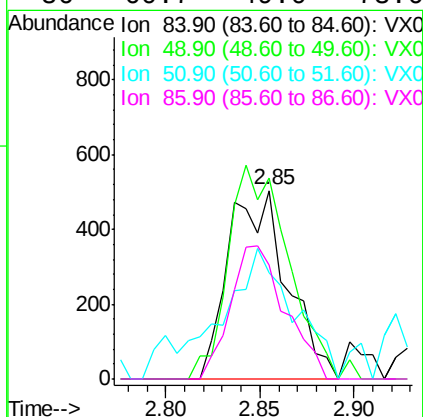
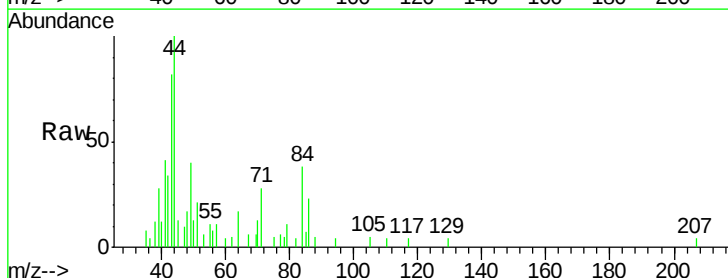
Instrument :
MSVOA_X
ClientSampleId :

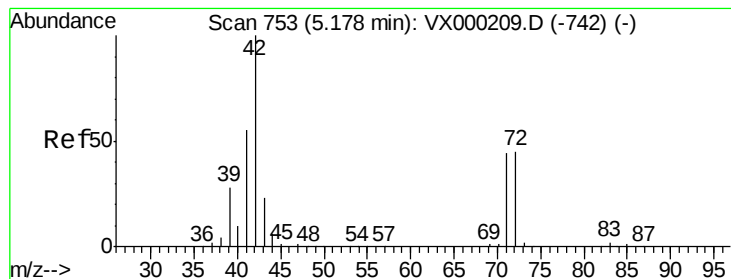
Tot Ion: 43 Resp: 3957
Ion Ratio Lower Upper
43 100
74 1.2 18.9 28.3#



#20
Methylene Chloride
Concen: 0.51 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

Tgt Ion: 84 Resp: 1089
Ion Ratio Lower Upper
84 100
49 106.5 102.1 153.1
51 56.3 30.6 45.8#
86 60.7 49.0 73.6





#29

Tetrahydrofuran

Concen: 1.43 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.05 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

Instrument :

MSVOA_X

ClientSampled :

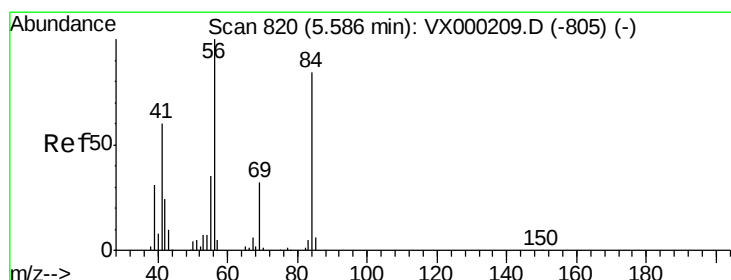
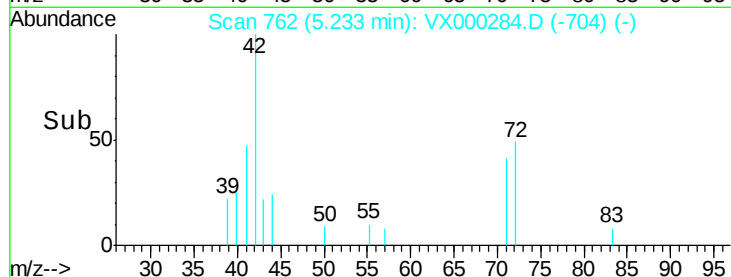
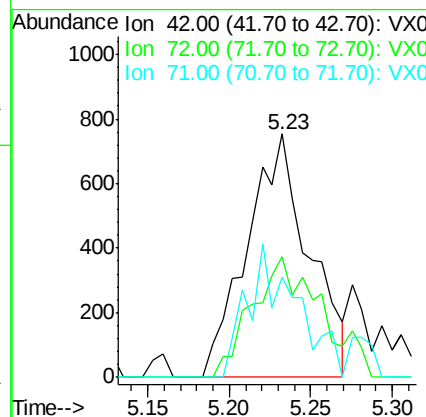
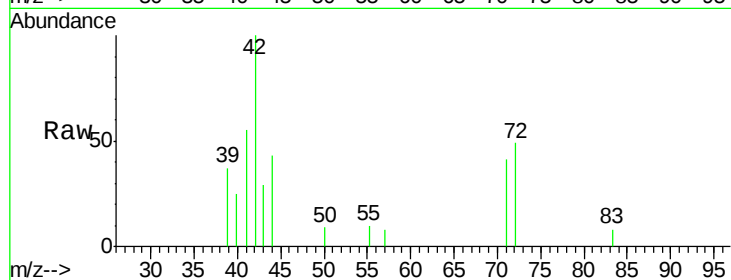
Tot Ion: 42 Resp: 1992

Ion Ratio Lower Upper

42 100

72 54.9 37.3 55.9

71 43.3 35.0 52.4



#31

Cyclohexane

Concen: 0.56 ug/l

RT: 5.56 min Scan# 816

Delta R.T. -0.02 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

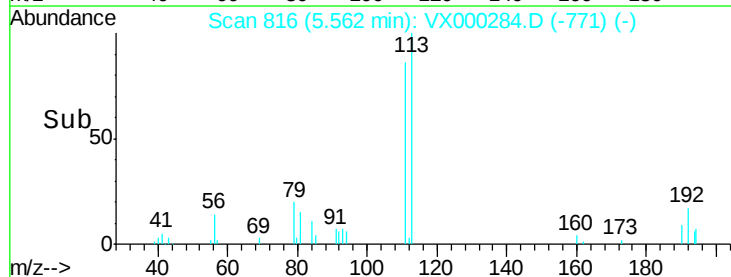
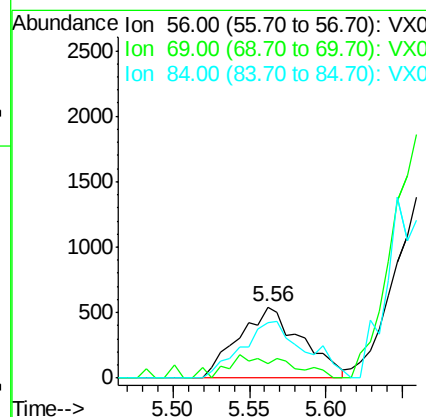
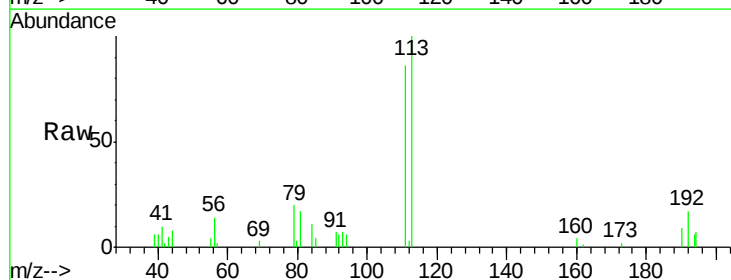
Tgt Ion: 56 Resp: 1546

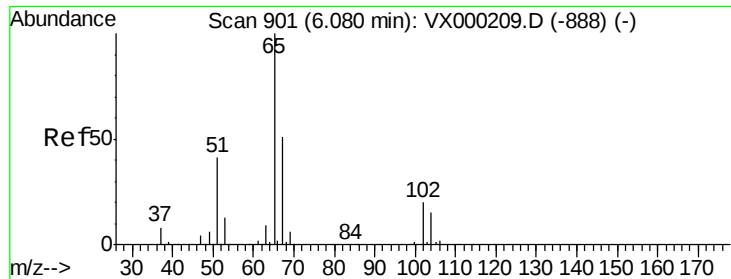
Ion Ratio Lower Upper

56 100

69 20.6 25.3 37.9#

84 77.9 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 47.22 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

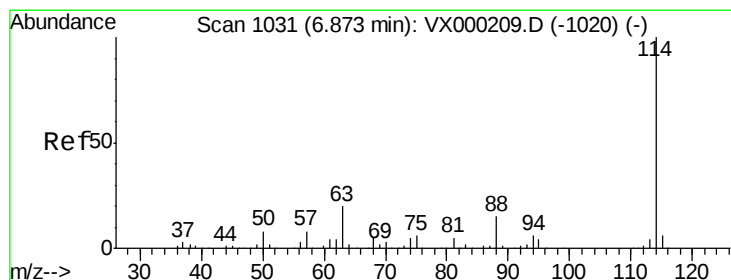
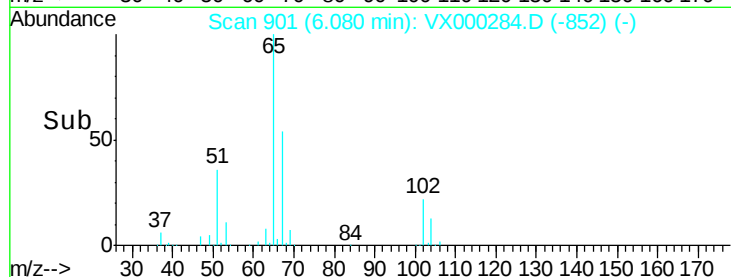
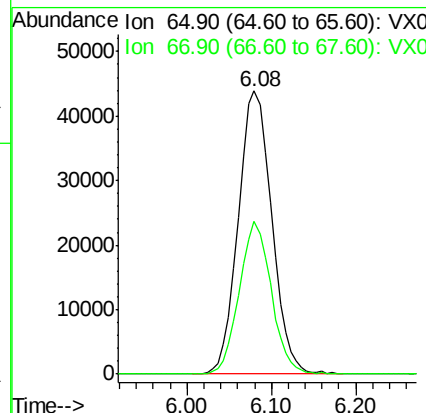
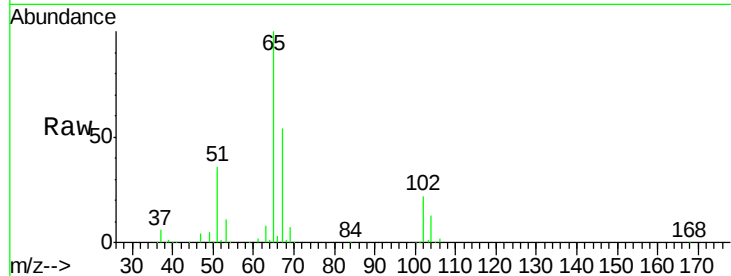
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 118313

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

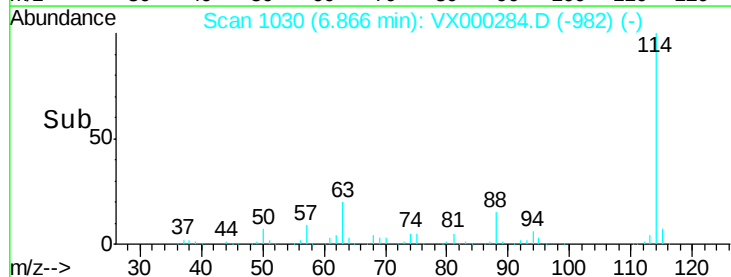
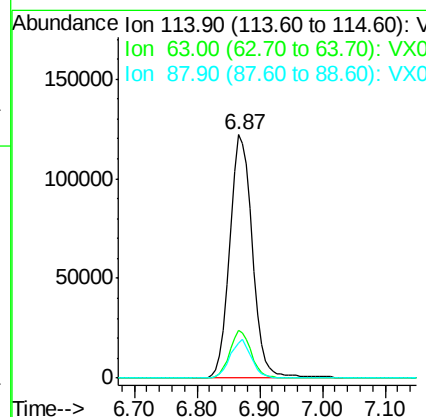
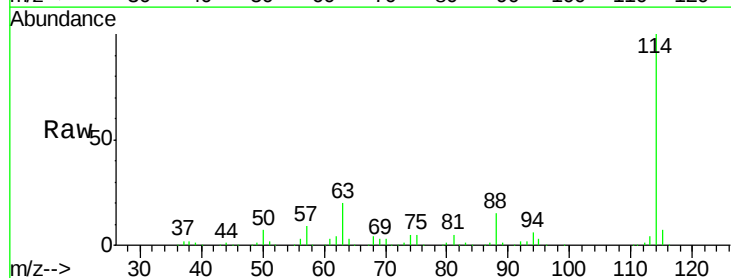
Tgt Ion: 114 Resp: 306002

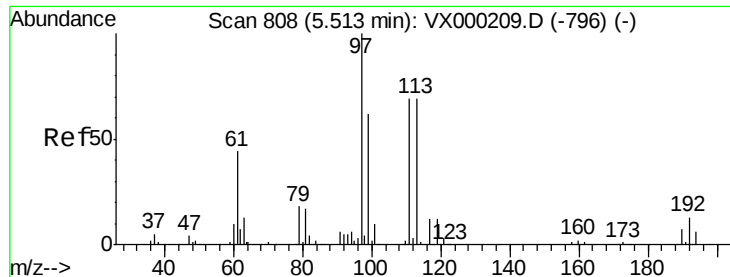
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 14.5 0.0 29.8





#35

Dibromofluoromethane

Concen: 47.40 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

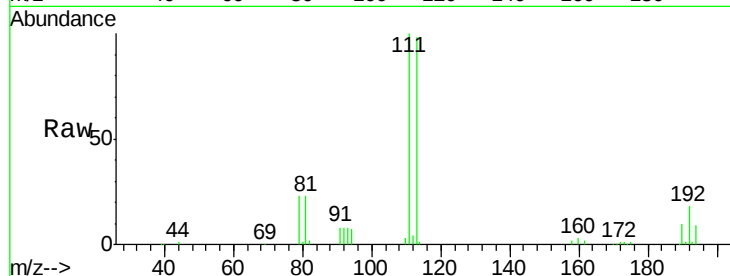
Tot Ion:113 Resp: 91114

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

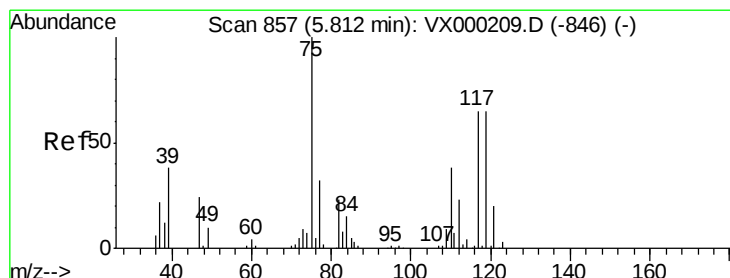
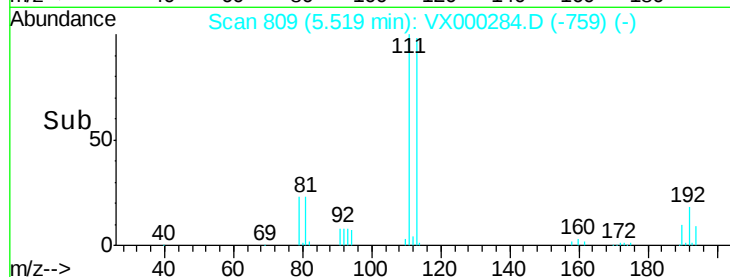
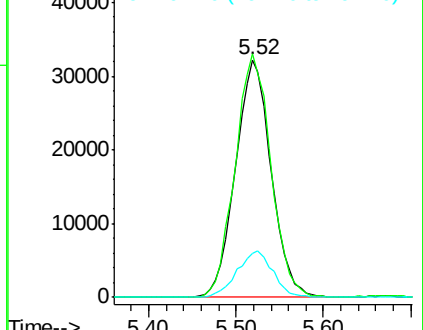
192 19.8 15.5 23.3



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: 4.96 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.15 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

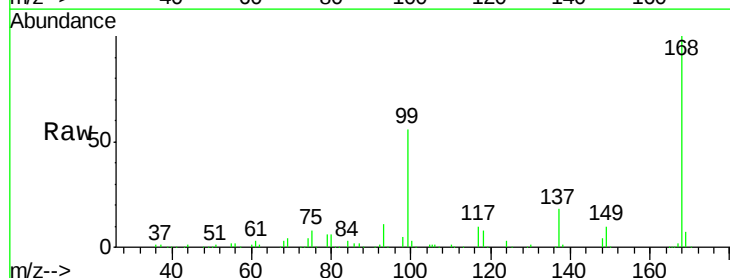
Tgt Ion: 75 Resp: 13499

Ion Ratio Lower Upper

75 100

110 9.7 17.8 53.5#

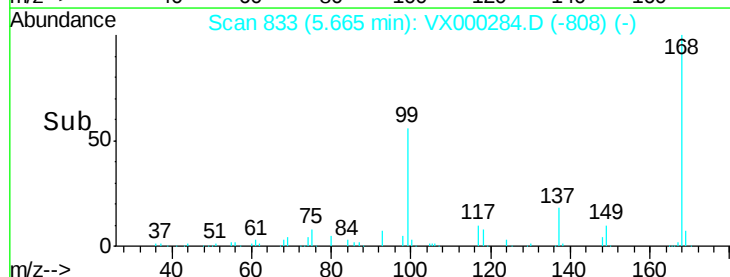
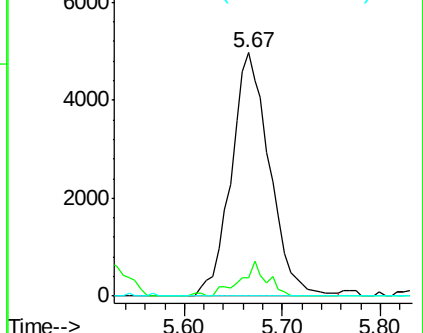
77 0.0 24.9 37.3#

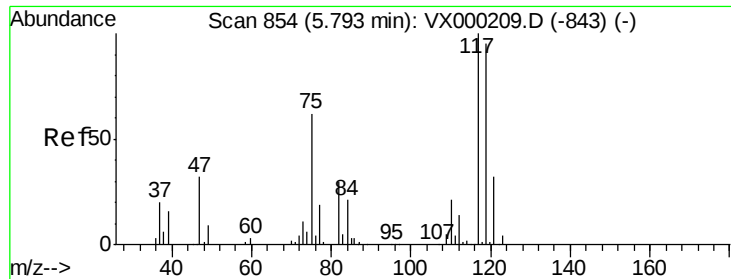


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

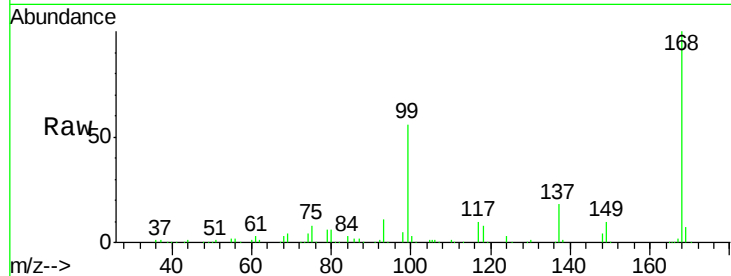




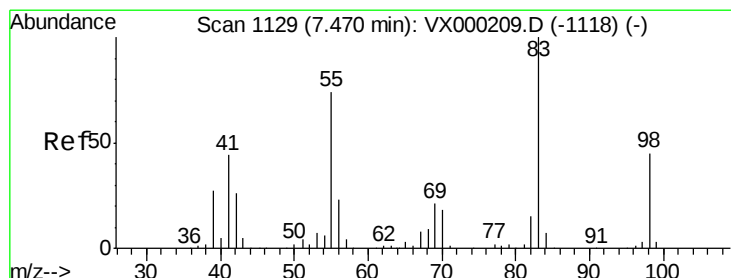
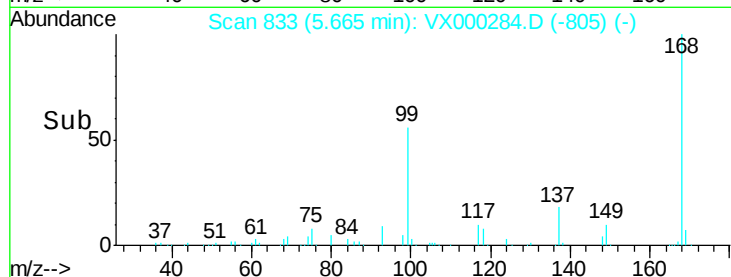
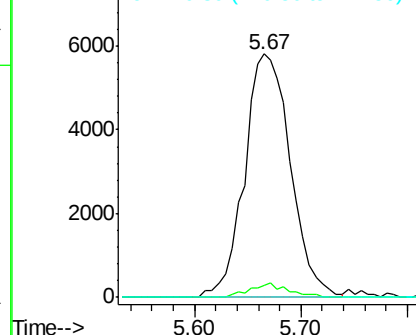
#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 17534
Ion Ratio Lower Upper
117 100
119 4.7 75.9 113.9#
121 0.0 25.8 38.6#

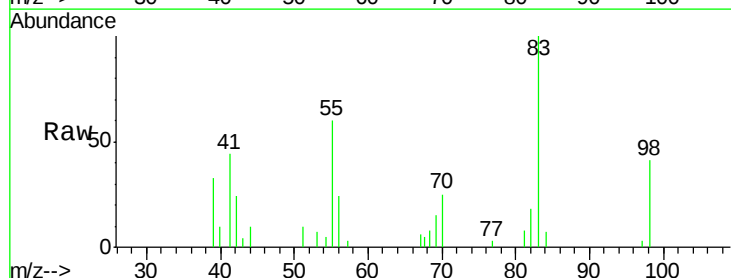


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

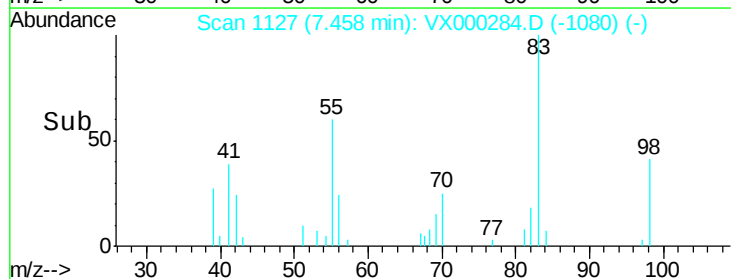
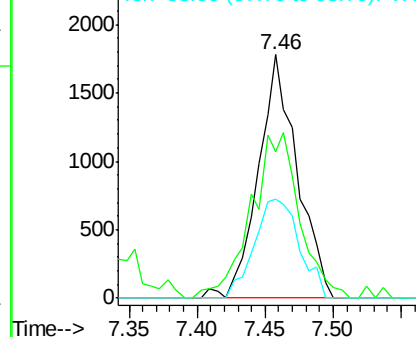


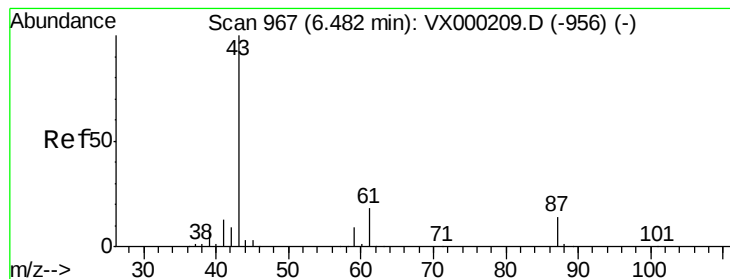
#39
Methylcyclohexane
Concen: 1.07 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

Tgt Ion: 83 Resp: 3563
Ion Ratio Lower Upper
83 100
55 60.4 59.4 89.0
98 40.7 36.3 54.5



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#43

Isopropyl Acetate

Concen: 0.40 ug/l

RT: 6.52 min Scan# 973

Delta R.T. 0.04 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

Instrument :

MSVOA_X

ClientSampled :

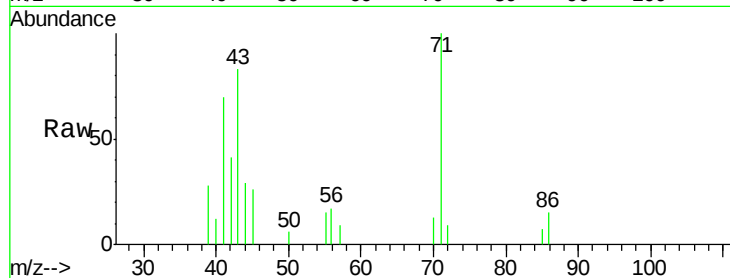
Tot Ion: 43 Resp: 2295

Ion Ratio Lower Upper

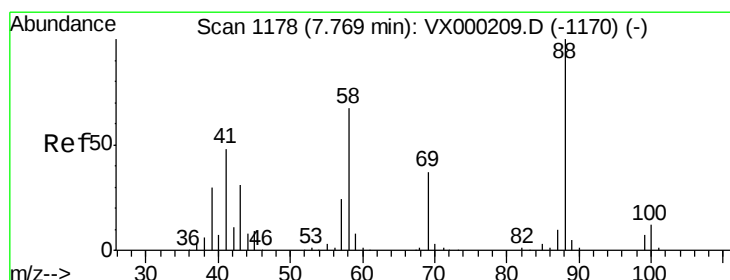
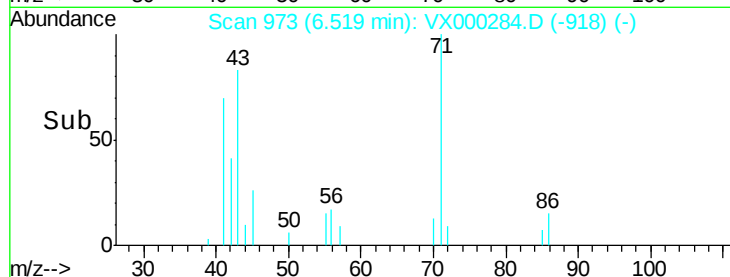
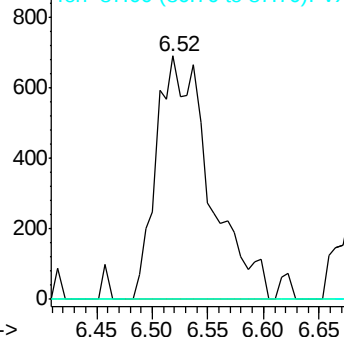
43 100

61 0.0 14.8 22.2#

87 0.0 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#49

1,4-Dioxane

Concen: 0.30 ug/l

RT: 7.82 min Scan# 1186

Delta R.T. 0.05 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

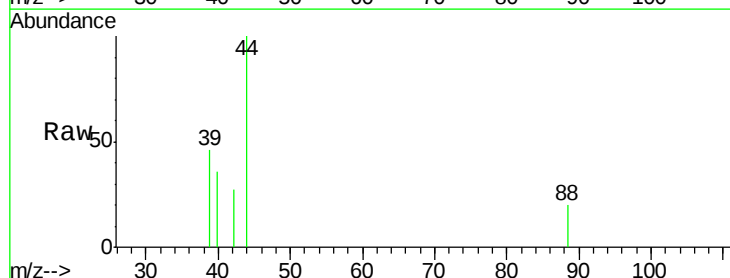
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

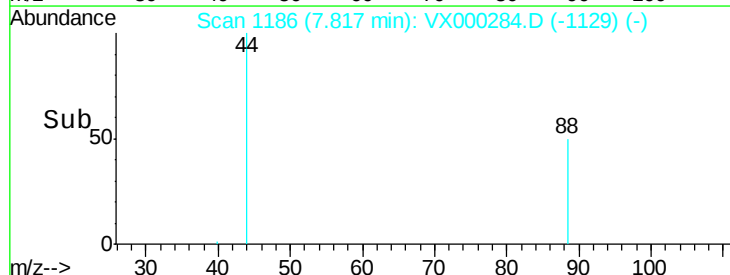
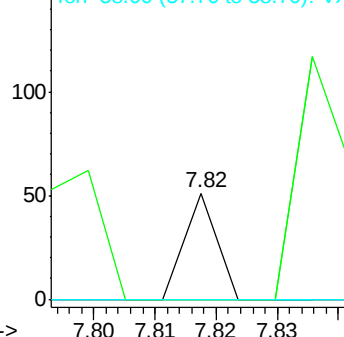
88 100

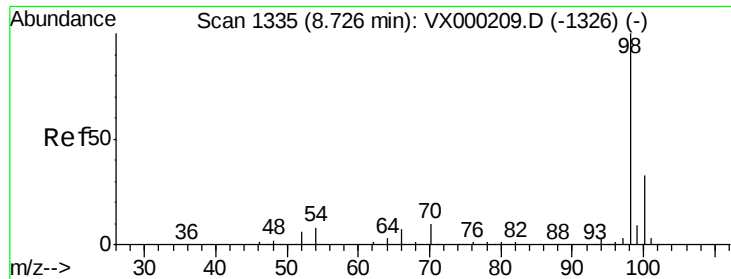
43 221.1 26.9 40.3#

58 0.0 52.2 78.4#



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

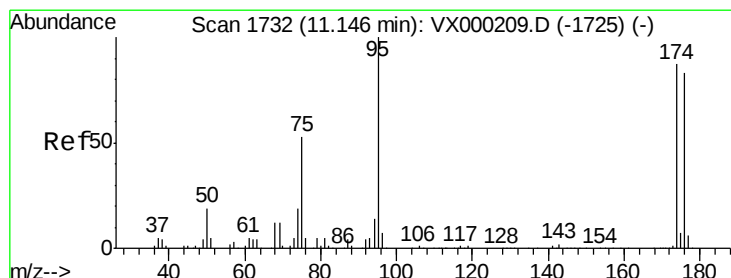
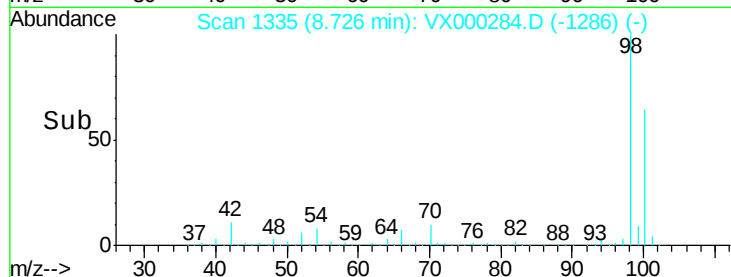
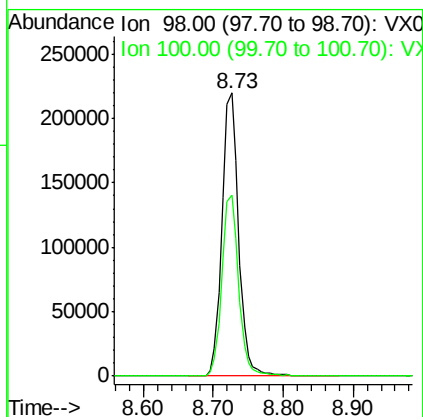
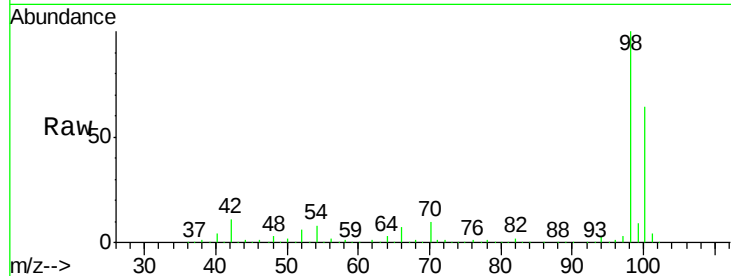




#50
Toluene-d8
Concen: 45.99 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

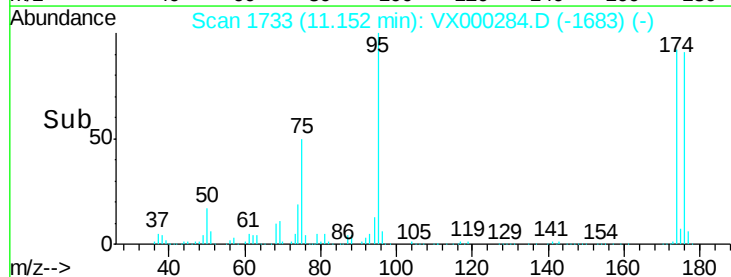
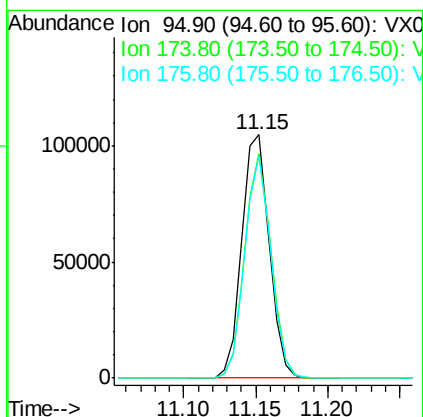
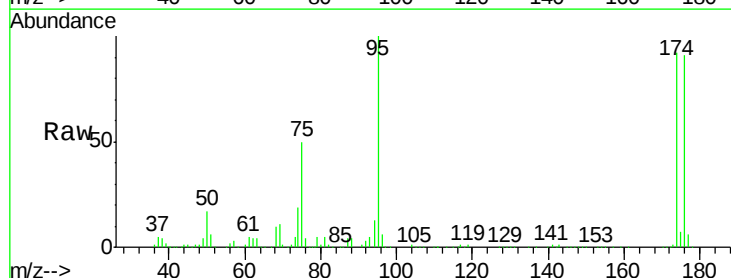
Instrument :
MSVOA_X
ClientSampleId :

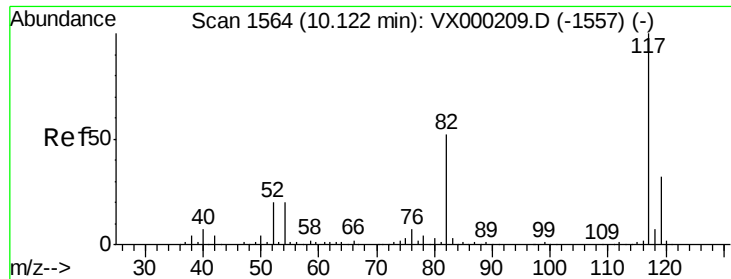
Tot Ion: 98 Resp: 366100
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 44.47 ug/l
RT: 11.15 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

Tgt Ion: 95 Resp: 138175
Ion Ratio Lower Upper
95 100
174 88.8 0.0 175.6
176 86.7 0.0 171.0

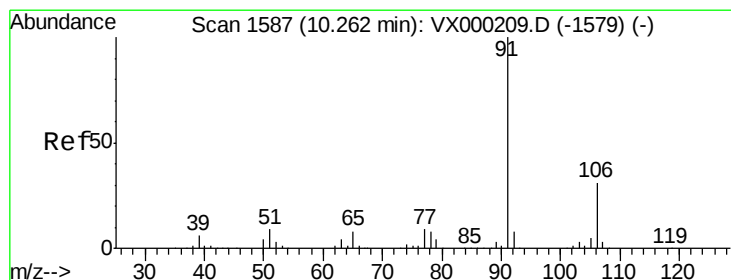
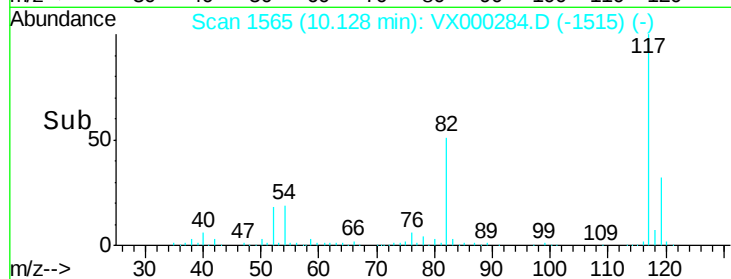
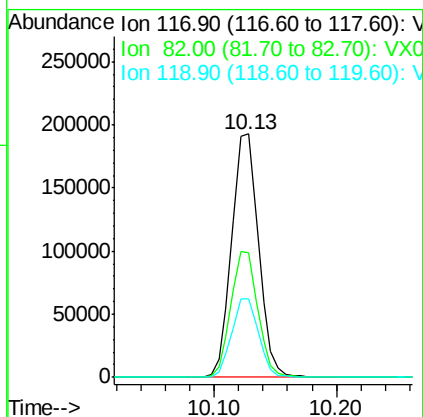
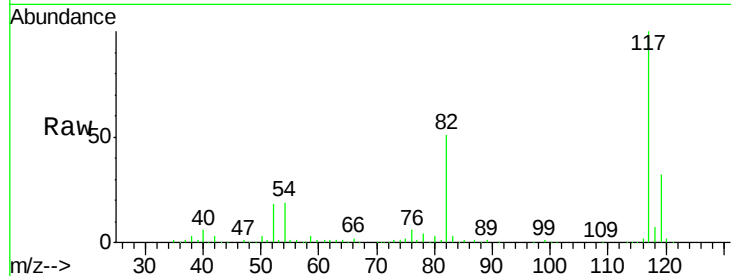




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.13 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

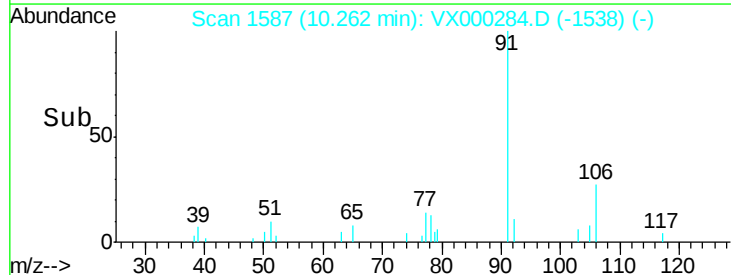
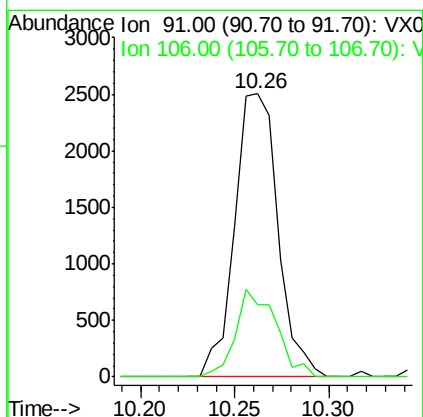
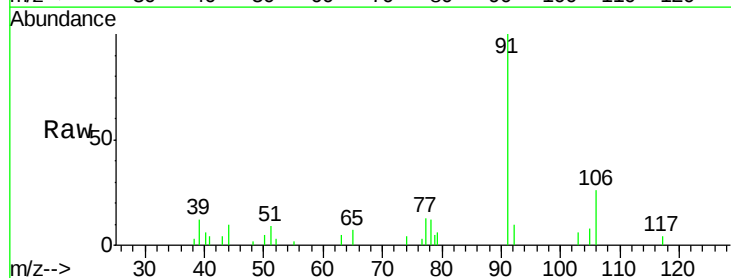
Instrument :
MSVOA_X
ClientSampleId :

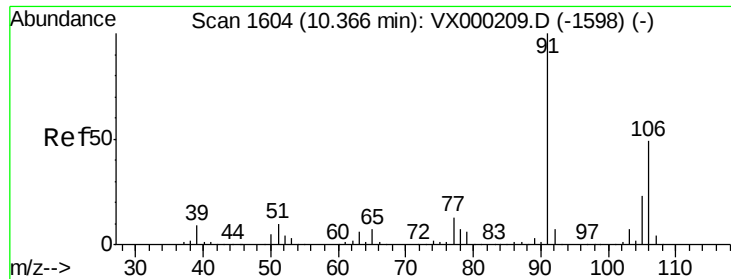
Tot Ion:117 Resp: 293049
Ion Ratio Lower Upper
117 100
82 51.1 42.0 63.0
119 32.0 25.3 37.9



#67
Ethyl Benzene
Concen: 0.39 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

Tgt Ion: 91 Resp: 3989
Ion Ratio Lower Upper
91 100
106 25.6 25.2 37.8

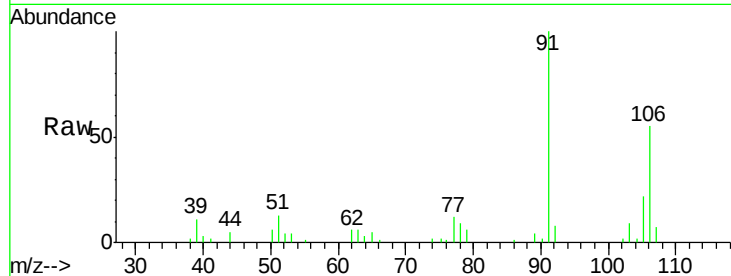




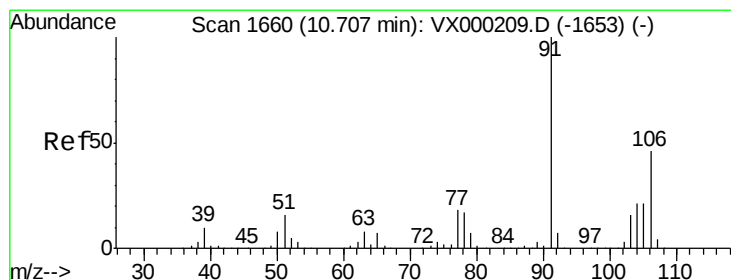
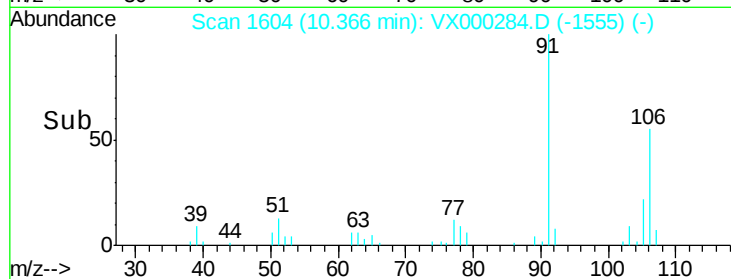
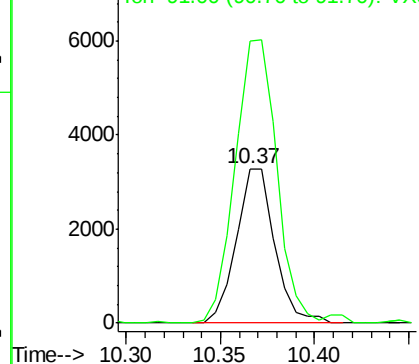
#68
m/p-Xvlenes
Concen: 1.16 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 4631
Ion Ratio Lower Upper
106 100
91 198.9 160.9 241.3

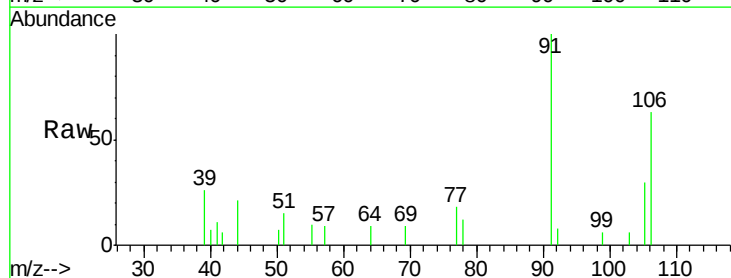


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

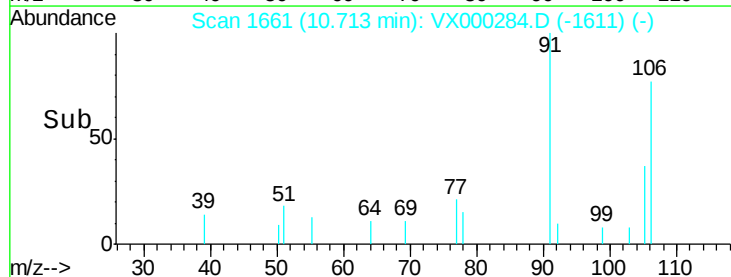
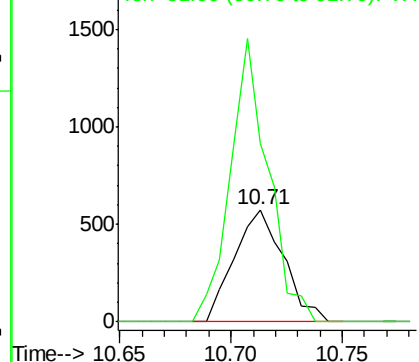


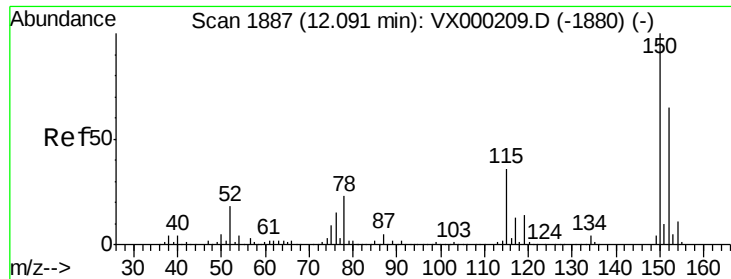
#69
o-Xylene
Concen: 0.23 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.01 min
Lab File: VX000284.D
Acq: 12 Mar 2018 19:02

Tgt Ion:106 Resp: 884
Ion Ratio Lower Upper
106 100
91 194.2 105.9 317.7



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

Instrument :

MSVOA_X

ClientSampled :

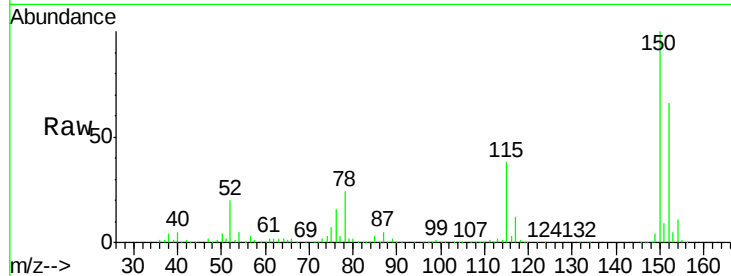
Tot Ion:152 Resp: 163730

Ion Ratio Lower Upper

152 100

115 58.1 39.8 119.3

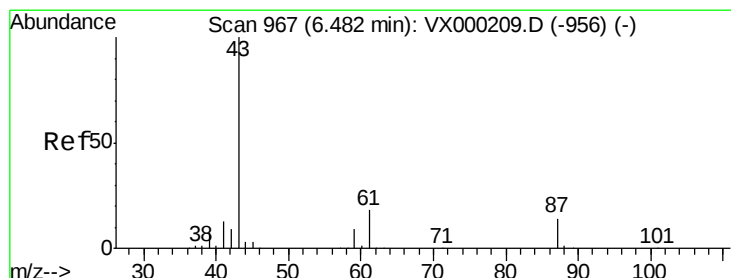
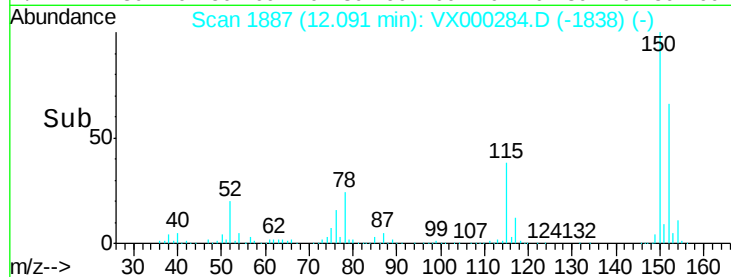
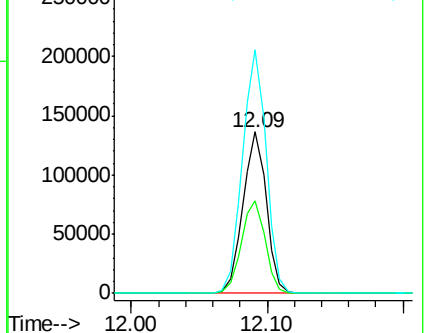
150 152.9 0.0 345.0



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-ethyl acetate

Concen: 0.44 ug/l

RT: 6.52 min Scan# 973

Delta R.T. 0.04 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

Tgt Ion: 43 Resp: 2295

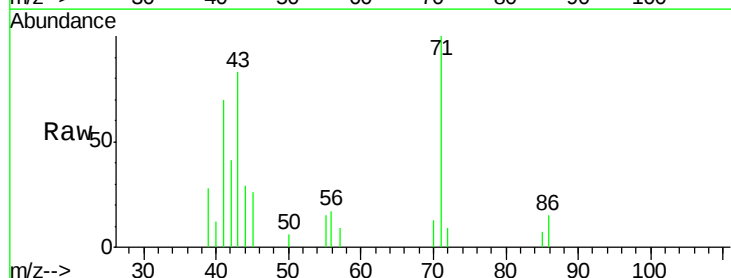
Ion Ratio Lower Upper

43 100

70 4.7 0.0 0.0#

55 4.1 0.0 0.0#

61 0.0 14.8 22.2#

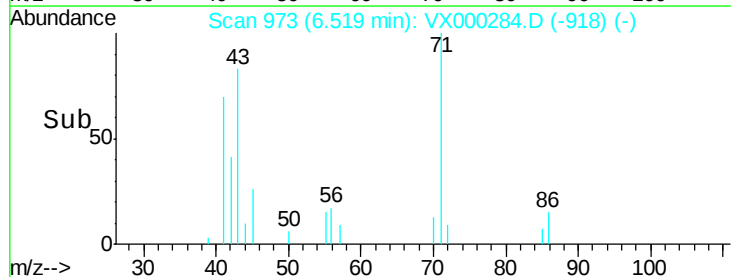
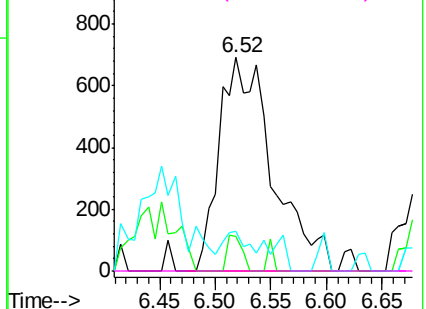


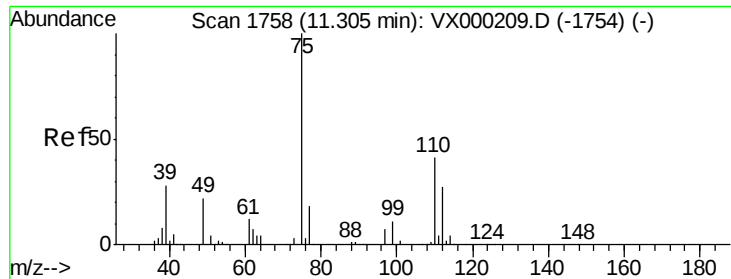
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#76

1,2,3-Trichloropropane

Concen: 22.23 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000284.D

Acq: 12 Mar 2018 19:02

Instrument :

MSVOA_X

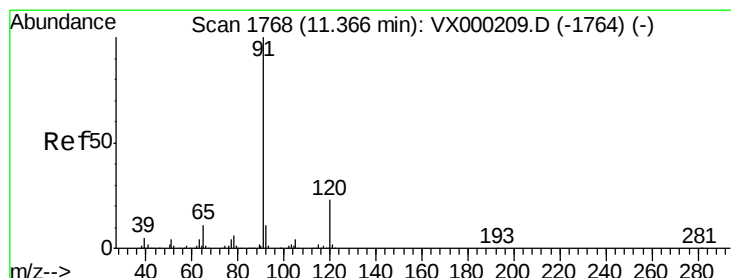
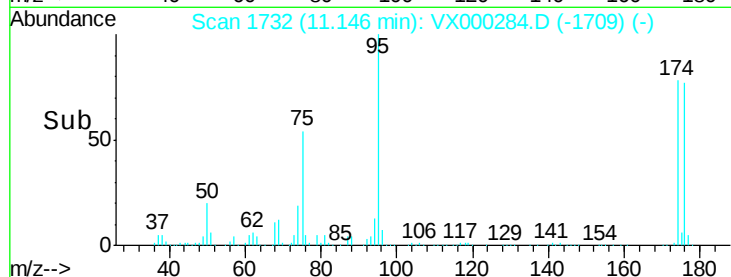
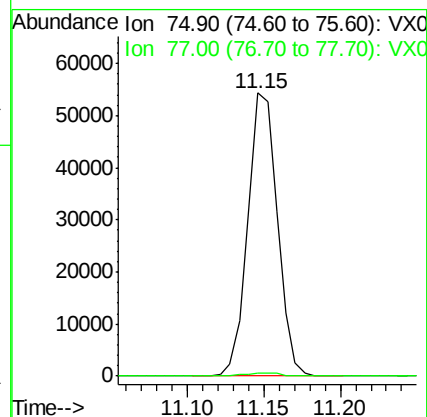
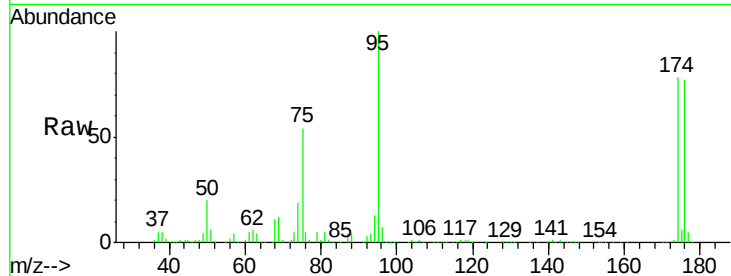
ClientSampleId :

Tot Ion: 75 Resp: 72966

Ion Ratio Lower Upper

75 100

77 1.2 22.3 66.8#



#78

n-propylbenzene

Concen: 0.41 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VX000284.D

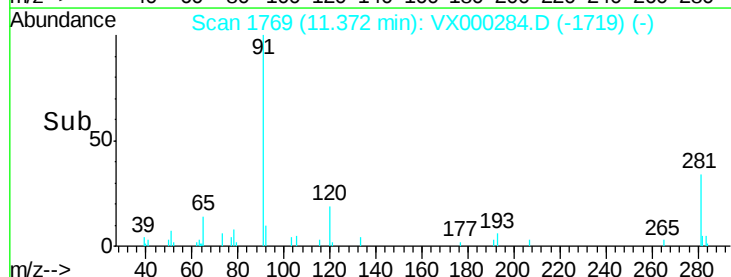
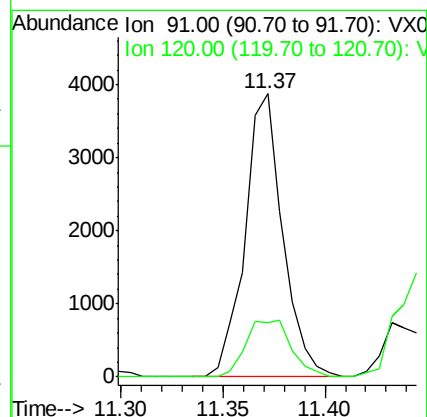
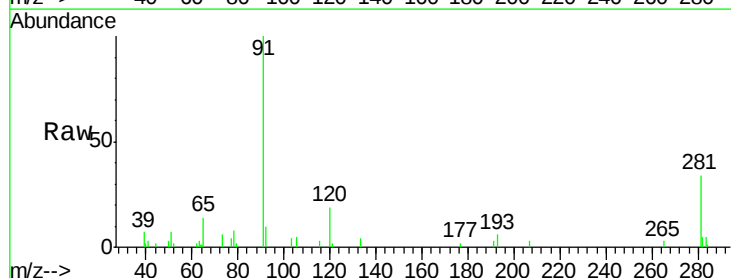
Acq: 12 Mar 2018 19:02

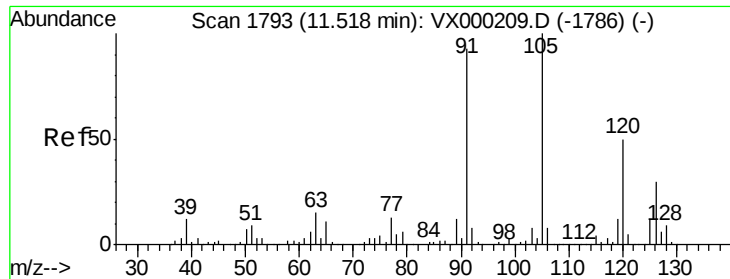
Tgt Ion: 91 Resp: 4984

Ion Ratio Lower Upper

91 100

120 24.0 12.2 36.4

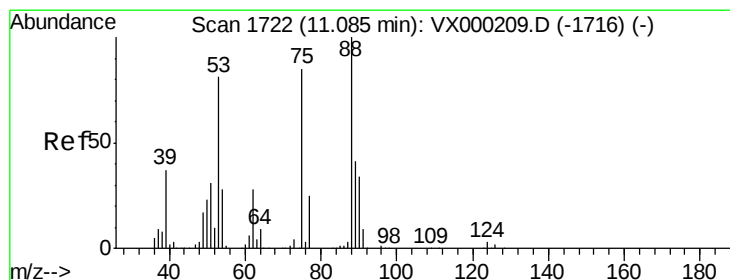
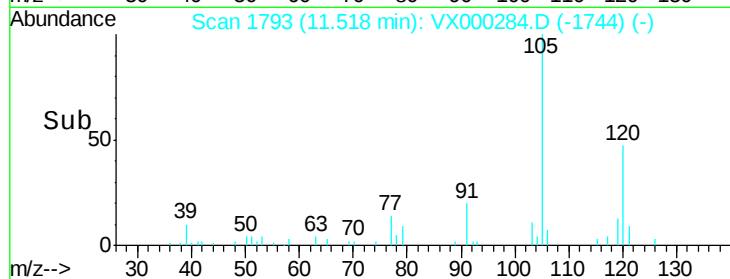
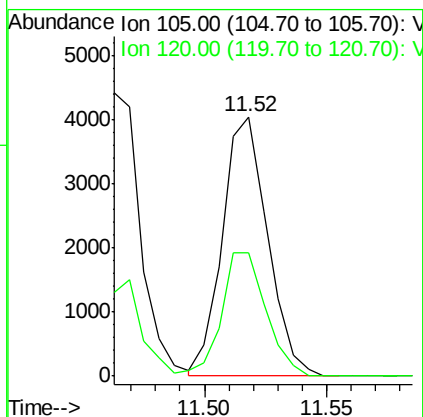
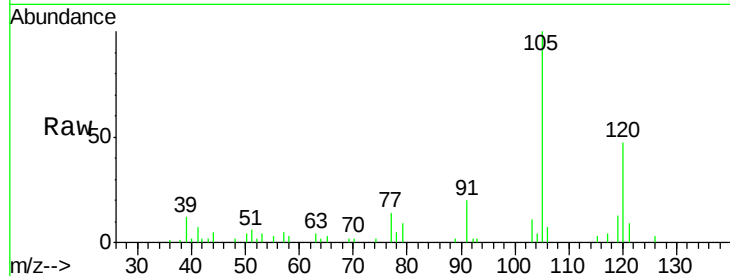




#80
 1,3,5-Trimethylbenzene
 Concen: 0.61 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. -0.00 min
 Lab File: VX000284.D
 Acq: 12 Mar 2018 19:02

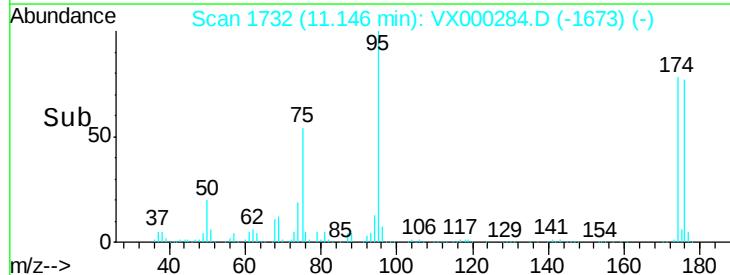
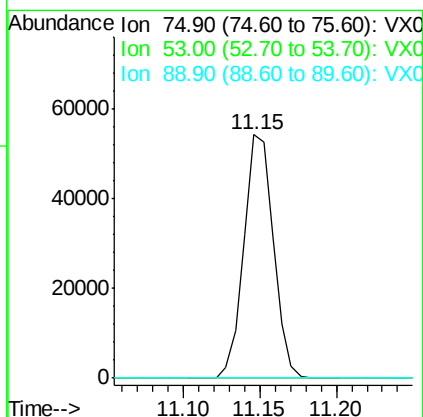
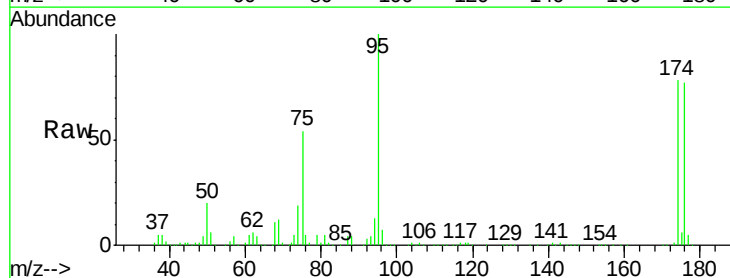
Instrument :
 MSVOA_X
 ClientSampleId :

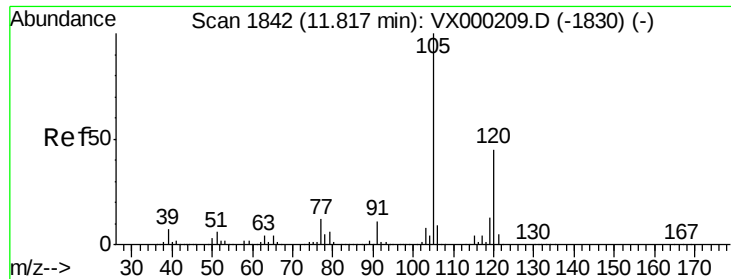
Tot Ion:105 Resp: 5205
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.08 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000284.D
 Acq: 12 Mar 2018 19:02

Tgt Ion: 75 Resp: 72966
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 118.0#
 89 0.0 38.8 58.2#

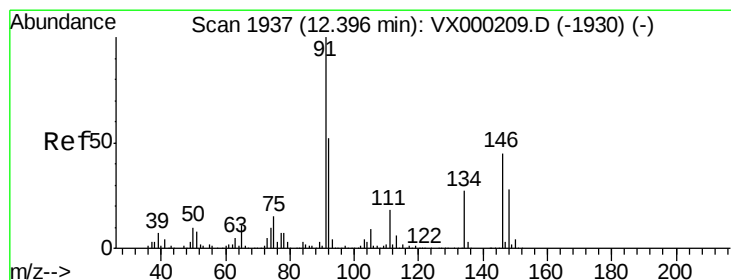
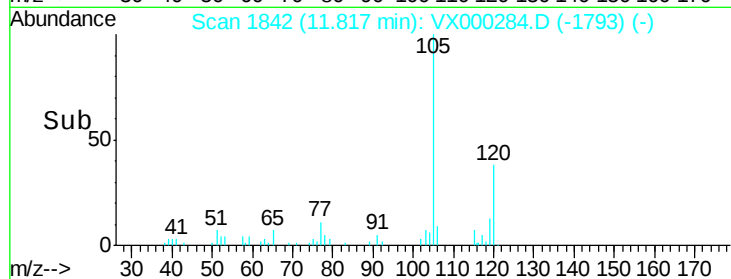
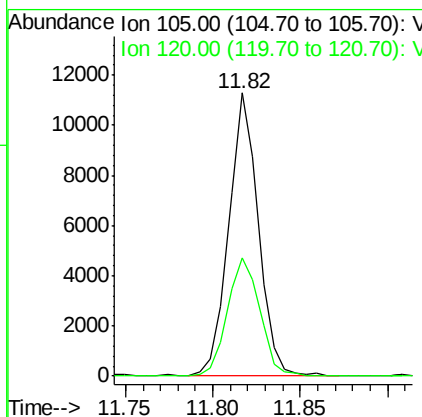
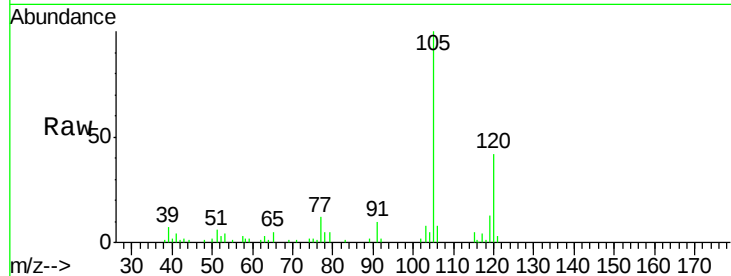




#84
 1,2,4-Trimethylbenzene
 Concen: 1.51 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000284.D
 Acq: 12 Mar 2018 19:02

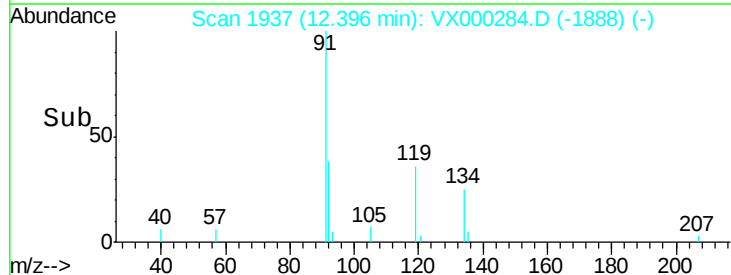
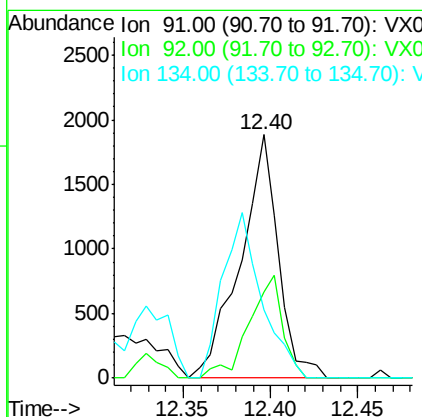
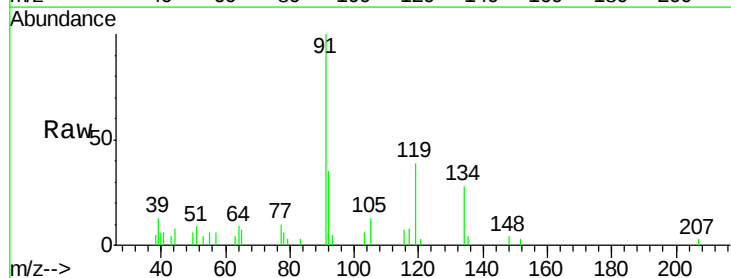
Instrument :
 MSVOA_X
 ClientSampleId :

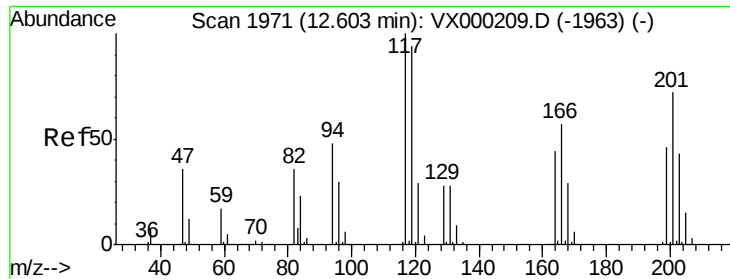
Tot Ion:105 Resp: 13305
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.0 69.0



#89
 n-Butylbenzene
 Concen: 0.32 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000284.D
 Acq: 12 Mar 2018 19:02

Tgt Ion: 91 Resp: 2840
 Ion Ratio Lower Upper
 91 100
 92 37.5 25.8 77.4
 134 70.1 13.5 40.5#

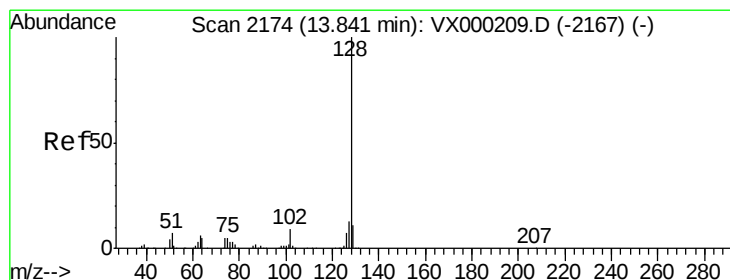
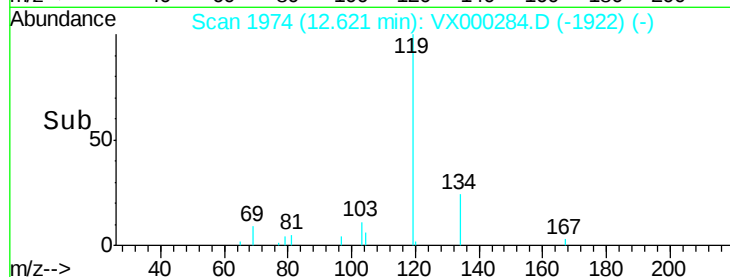
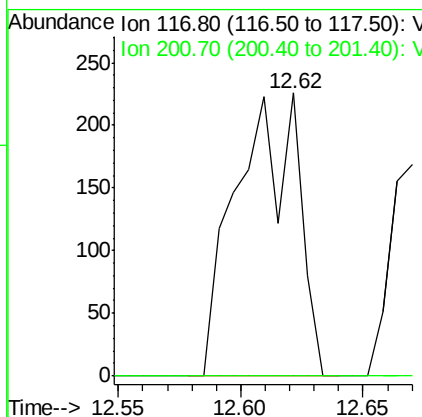
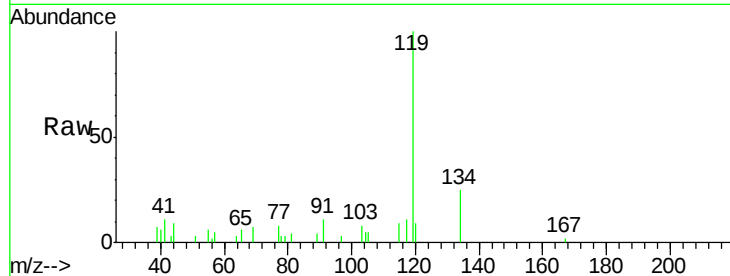




#90
 Hexachloroethane
 Concen: 0.26 ug/l
 RT: 12.62 min Scan# 1974
 Delta R.T. 0.02 min
 Lab File: VX000284.D
 Acq: 12 Mar 2018 19:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:117 Resp: 395
 Ion Ratio Lower Upper
 117 100
 201 0.0 38.2 114.6#



#95
 Naphthalene
 Concen: 0.24 ug/l
 RT: 13.85 min Scan# 2175
 Delta R.T. 0.01 min
 Lab File: VX000284.D
 Acq: 12 Mar 2018 19:02

Tgt Ion:128 Resp: 3081
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.5 15.7
 129 10.4 8.6 13.0

