

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007492.D
 Acq On : 13 Dec 2018 16:54
 Operator : SY/AP
 Sample : J6329-01RE
 Misc : 5.24G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 071-PIPE-1RE

Quant Time: Dec 14 04:02:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	105721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64960	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	38408	41.73	ug/l	0.00
Spiked Amount			Recovery	=	83.46%	
35) Dibromofluoromethane	7.88	113	34848	39.49	ug/l	0.00
Spiked Amount			Recovery	=	78.98%	
50) Toluene-d8	10.32	98	138928	41.99	ug/l	0.00
Spiked Amount			Recovery	=	83.98%	
62) 4-Bromofluorobenzene	12.62	95	130914	107.62	ug/l	0.00
Spiked Amount			Recovery	=	215.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	574	9.081	ug/l #	74
15) Acrylonitrile	5.38	53	182	1.077	ug/l #	16
16) Acetone	4.12	43	8321	51.762	ug/l #	84
20) Methylene Chloride	4.92	84	2665	Below Cal		89
25) 2-Butanone	7.18	43	2666	12.703	ug/l #	75
29) Tetrahydrofuran	7.54	42	149	1.121	ug/l #	30
30) Chloroform	7.71	83	1886	1.112	ug/l	99
31) Cyclohexane	7.95	56	2594	1.814	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	6432	4.837	ug/l #	49
37) Ethyl Acetate	7.18	43	2666	5.390	ug/l #	66
38) Carbon Tetrachloride	7.95	117	8869	6.130	ug/l #	17
39) Methylcyclohexane	9.30	83	38517	23.921	ug/l #	13
41) Methacrylonitrile	7.54	41	319	1.133	ug/l #	38
43) Isopropyl Acetate	8.42	43	12017	12.300	ug/l #	50
46) Dibromomethane	9.40	93	707	1.458	ug/l #	1
47) Bromodichloromethane	9.62	83	70746	55.615	ug/l #	32
48) Methyl methacrylate	9.38	41	34308	68.377	ug/l #	39
51) 4-Methyl-2-Pentanone	10.25	43	45792	99.200	ug/l #	56
55) 1,1,2-Trichloroethane	10.76	97	217511	329.543	ug/l #	23
56) Ethyl methacrylate	10.67	69	70340	88.663	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.92	63	2824	7.719	ug/l #	56
59) 2-Hexanone	10.94	43	357186	1160.434	ug/l #	30
60) Dibromochloromethane	11.04	129	1031	1.238	ug/l	71
61) 1,2-Dibromoethane	11.21	107	2247	3.445	ug/l #	1
67) Ethyl Benzene	11.74	91	9825	2.593	ug/l #	59
73) Isopropylbenzene	12.47	105	96504	19.388	ug/l	99
74) N-amyl acetate	12.26	43	363258	401.561	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.70	83	45959	62.341	ug/l #	77
76) 1,2,3-Trichloropropane	12.62	75	19762	36.896	ug/l #	1
78) n-propylbenzene	12.81	91	60744	10.844	ug/l	88
79) 2-Chlorotoluene	13.13	91	9296	2.743	ug/l	80
81) trans-1,4-Dichloro-2-buten	12.47	75	1665	6.867	ug/l #	1
82) 4-Chlorotoluene	13.13	91	9296	2.602	ug/l	79
83) tert-Butylbenzene	13.45	119	17276	4.688	ug/l	77

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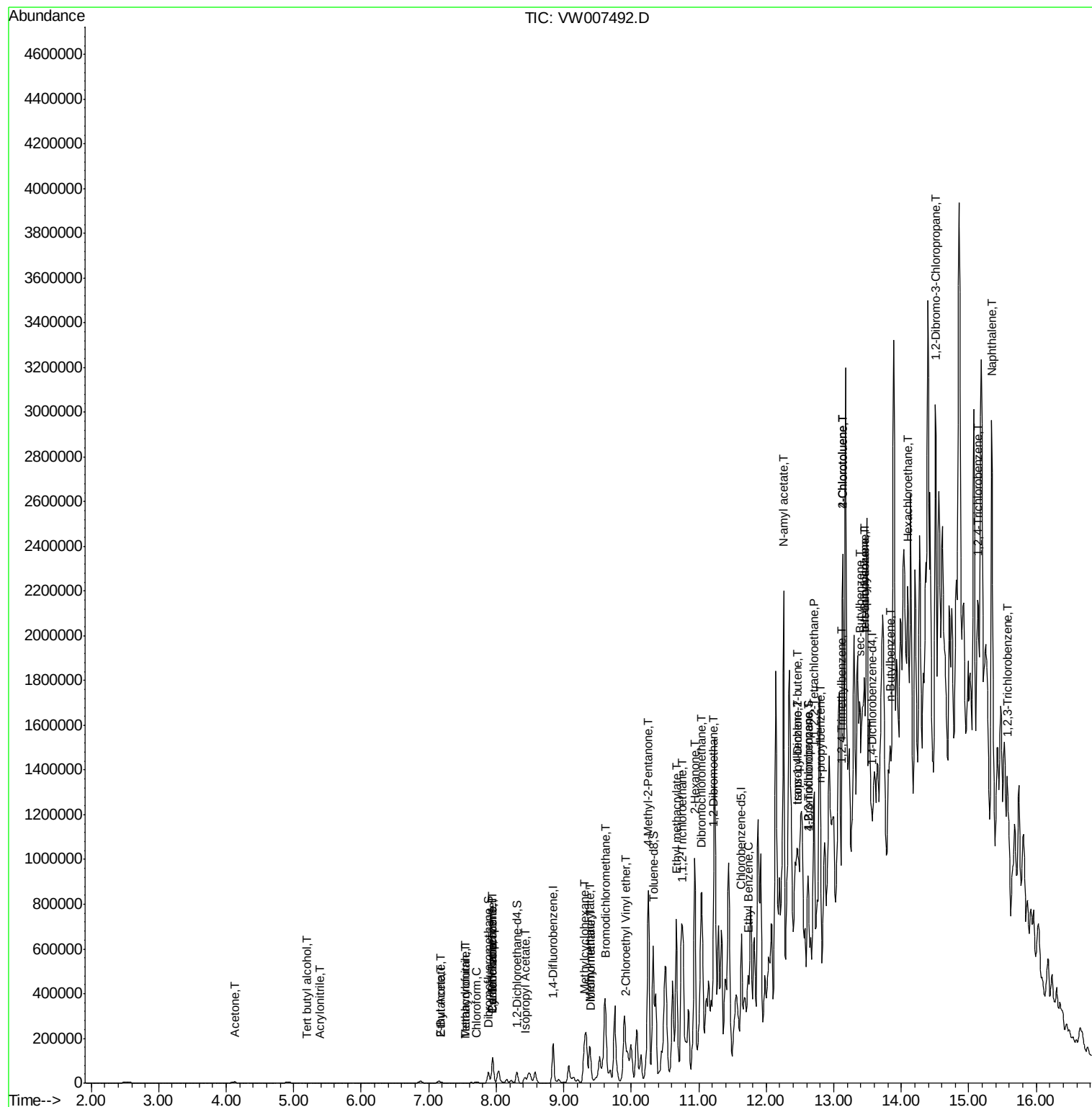
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.11	105	10831	2.517	ug/l	68
85) sec-Butylbenzene	13.39	105	210785	41.899	ug/l #	54
86) p-Isopropyltoluene	13.45	119	16870	3.733	ug/l #	76
89) n-Butylbenzene	13.83	91	87316	20.840	ug/l #	60
90) Hexachloroethane	14.10	117	10594	13.174	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6250	42.245	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.14	180	1658	1.223	ug/l #	1
95) Naphthalene	15.34	128	45517	17.548	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.58	180	2534	2.151	ug/l #	14

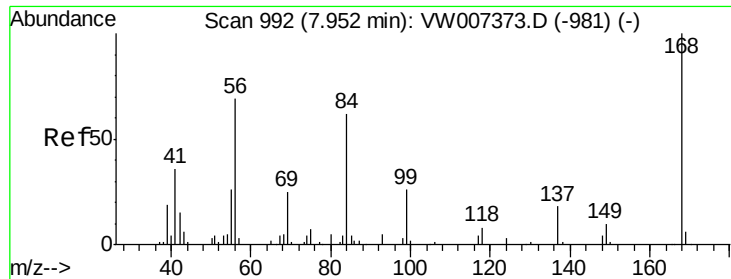
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

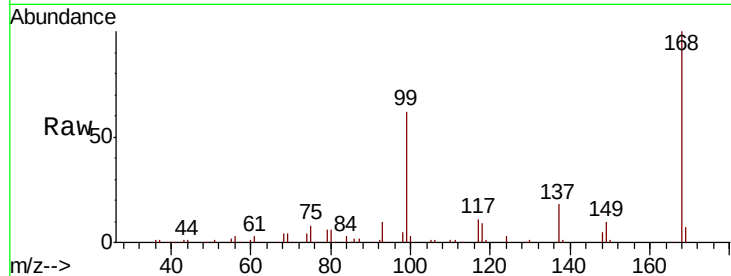
071-PIPE-1RE

Tot Ion:168 Resp: 82956

Ion Ratio Lower Upper

168 100

99 62.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

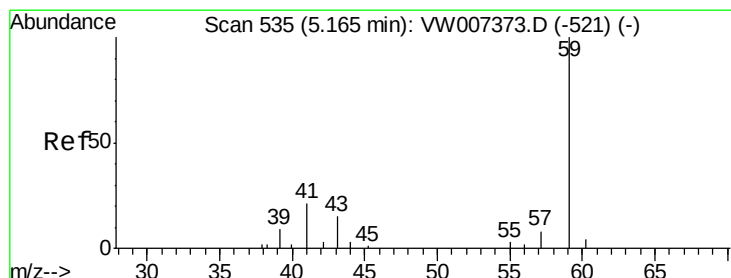
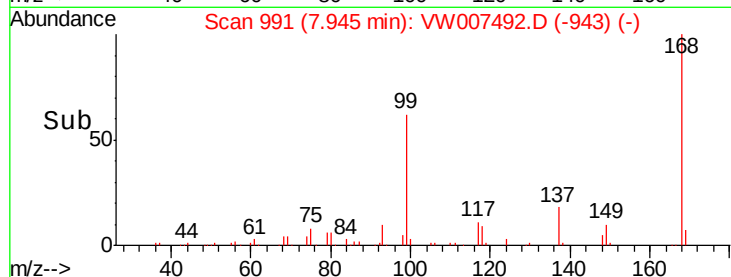
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 9.081 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW007492.D

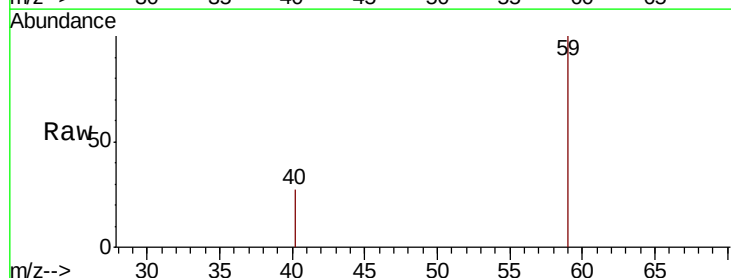
Acq: 13 Dec 2018 16:54

Tgt Ion: 59 Resp: 574

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

200

150

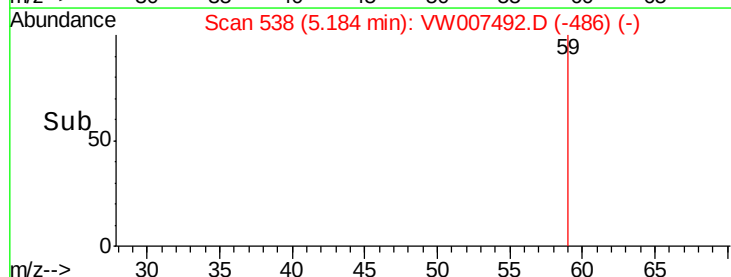
100

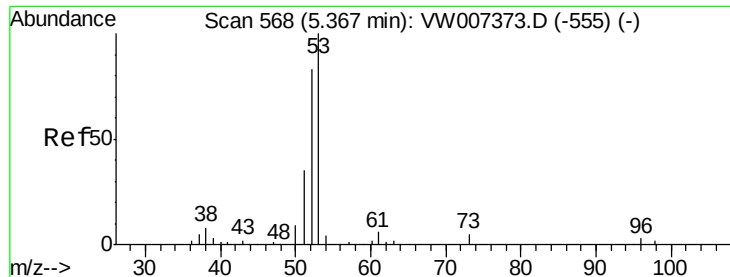
50

0

Time-->

5.10 5.15 5.20 5.25





#15

Acrylonitrile

Concen: 1.077 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_W

ClientSampled :

071-PIPE-1RE

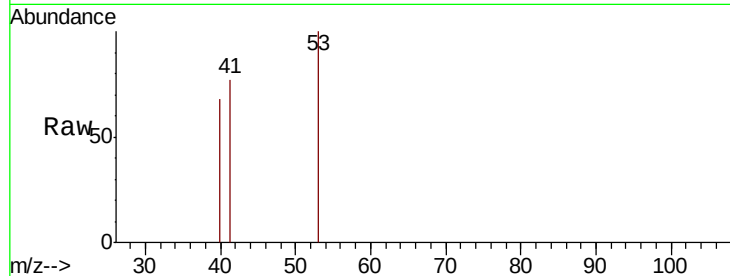
Tot Ion: 53 Resp: 182

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.2#

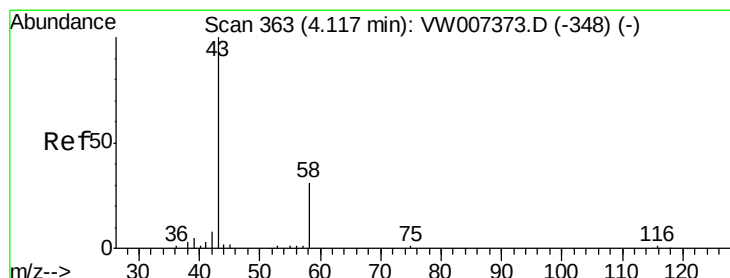
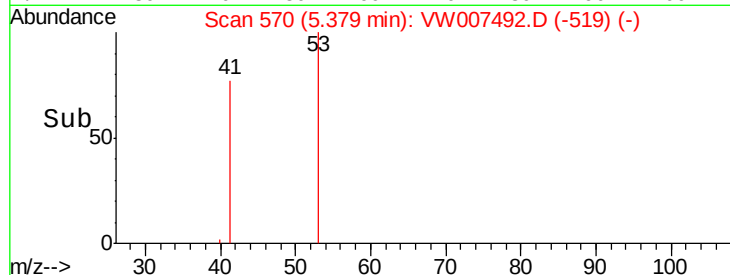
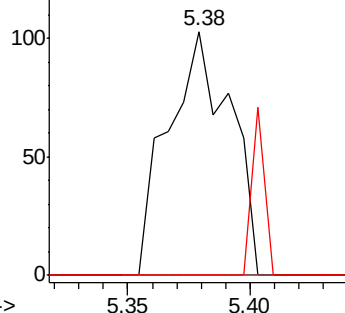
51 0.0 30.2 45.2#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 51.762 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007492.D

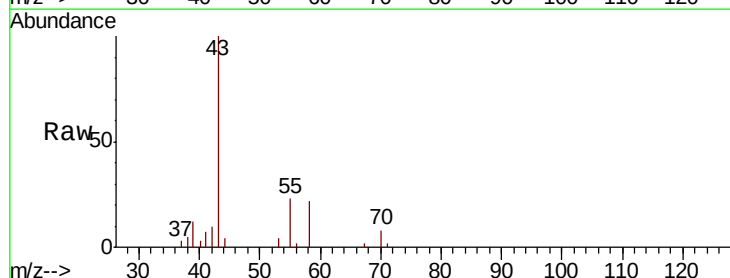
Acq: 13 Dec 2018 16:54

Tgt Ion: 43 Resp: 8321

Ion Ratio Lower Upper

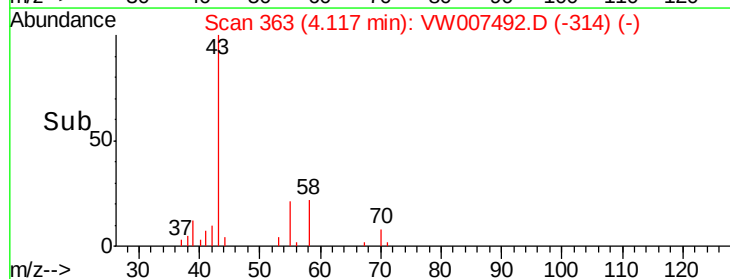
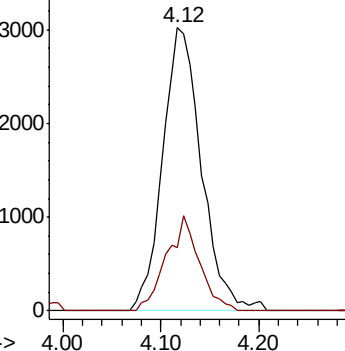
43 100

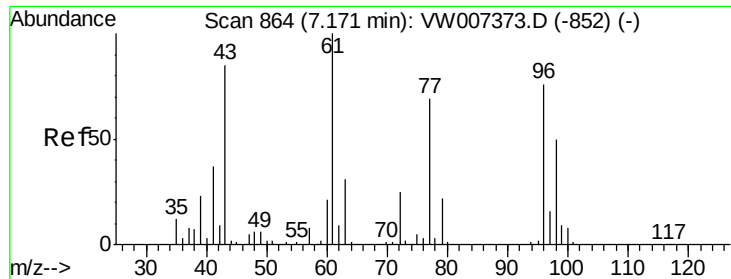
58 22.5 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

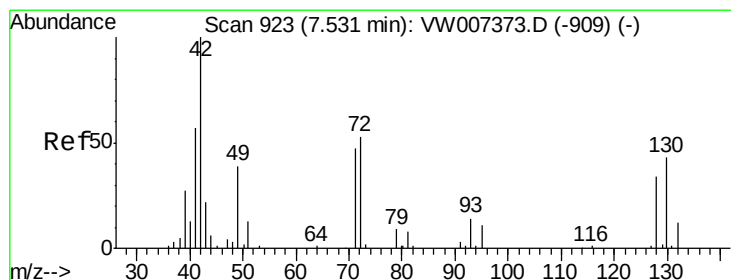
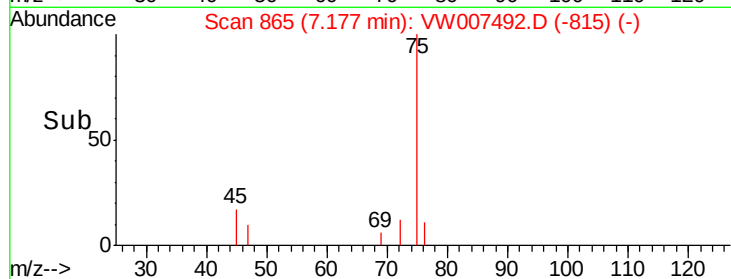
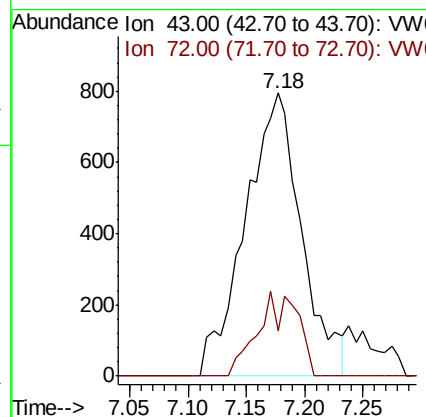
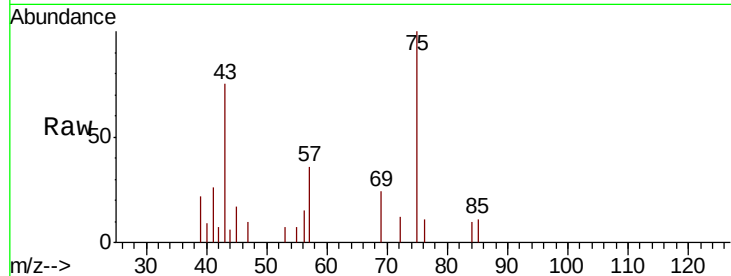




#25
2-Butanone
Concen: 12.703 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

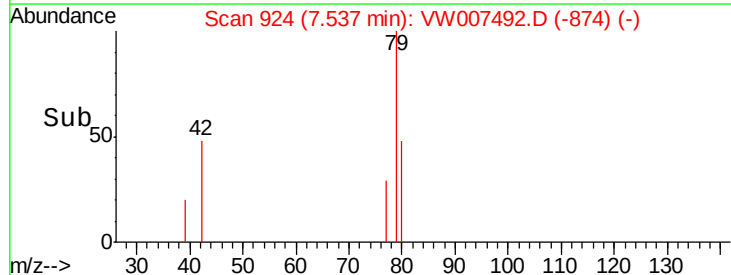
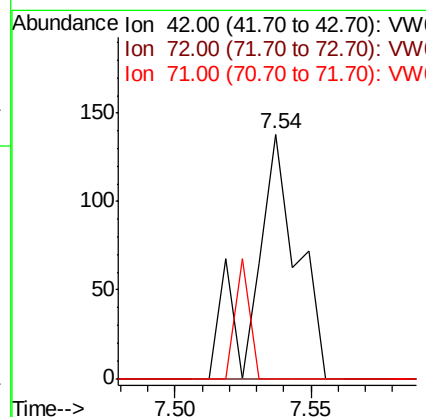
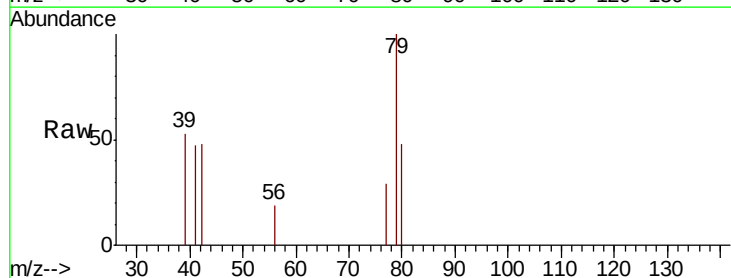
Instrument :
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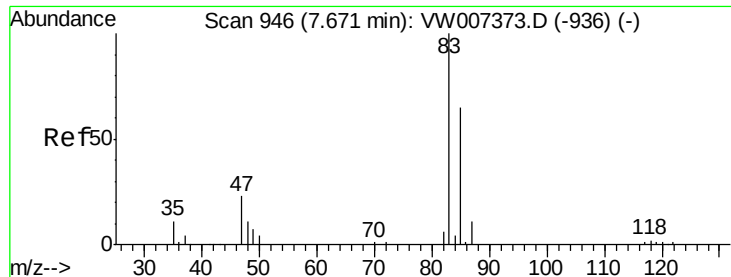
Tot Ion: 43.00 Resp: 2666
Ion Ratio Lower Upper
43 100
72 16.0 23.4 35.2#



#29
Tetrahydrofuran
Concen: 1.121 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 42 Resp: 149
Ion Ratio Lower Upper
42 100
72 0.0 38.2 57.4#
71 0.0 35.5 53.3#

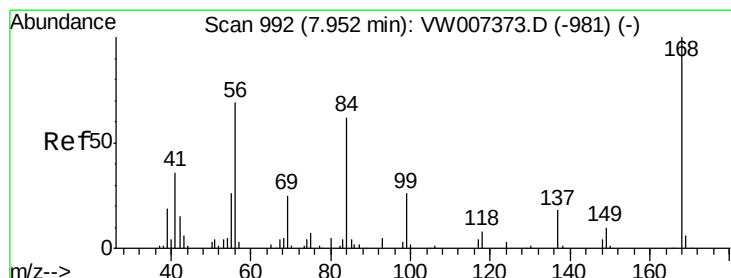
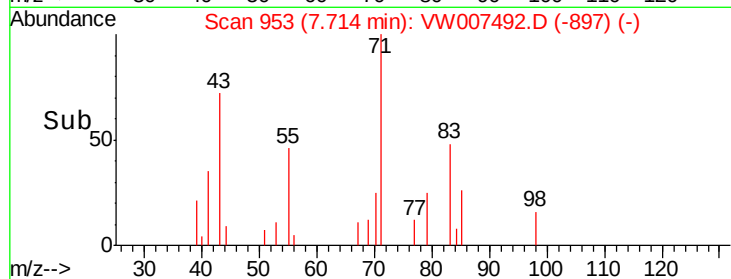
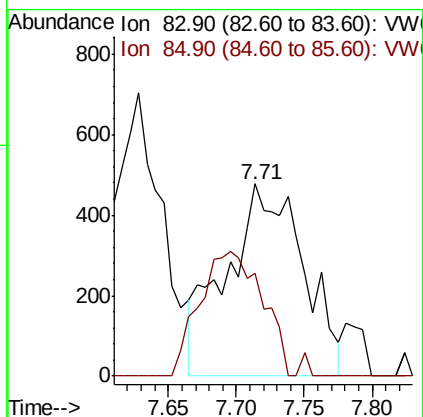
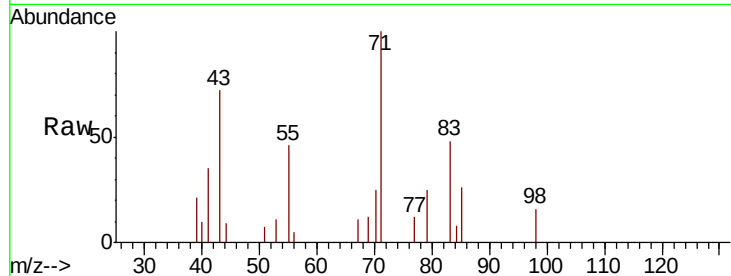




#30
Chloroform
Concen: 1.112 ug/l
RT: 7.71 min Scan# 953
Delta R.T. 0.04 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

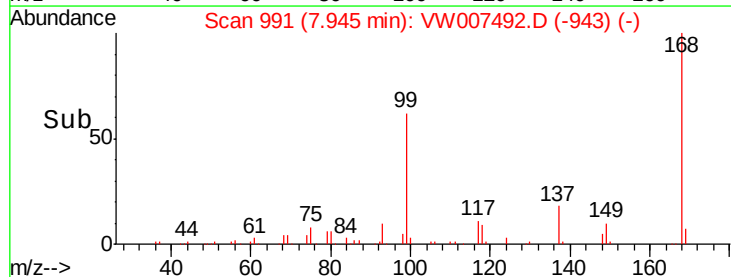
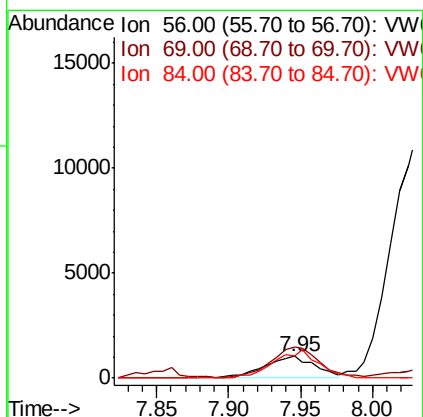
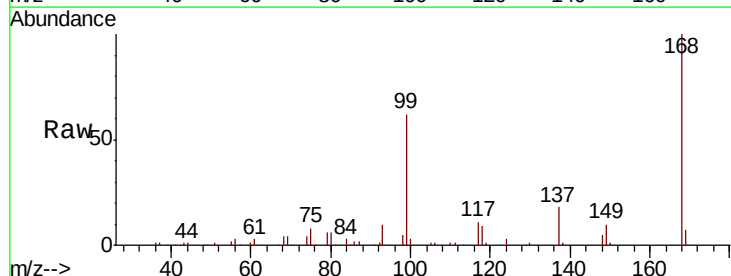
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ClientSampleId :
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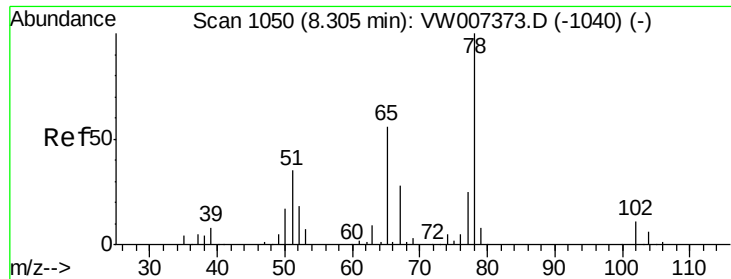
Tot Ion: 83 Resp: 1886
Ion Ratio Lower Upper
83 100
85 65.3 51.8 77.8



#31
Cyclohexane
Concen: 1.814 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 56 Resp: 2594
Ion Ratio Lower Upper
56 100
69 131.3 28.9 43.3#
84 100.2 71.8 107.6

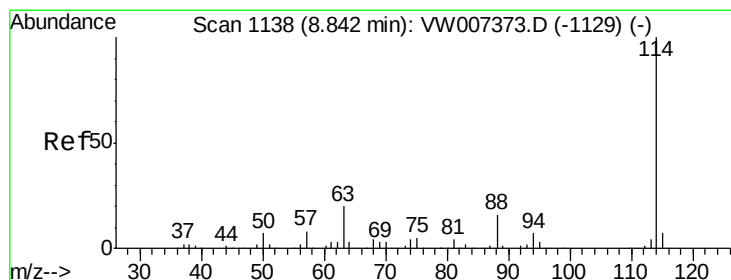
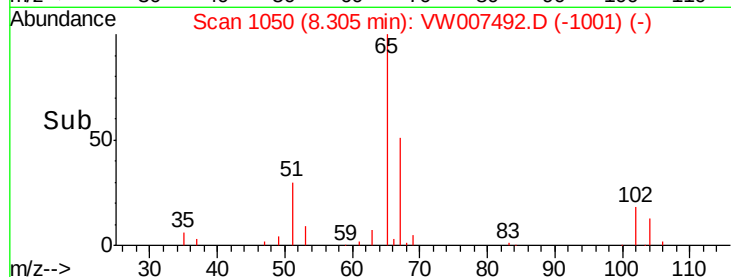
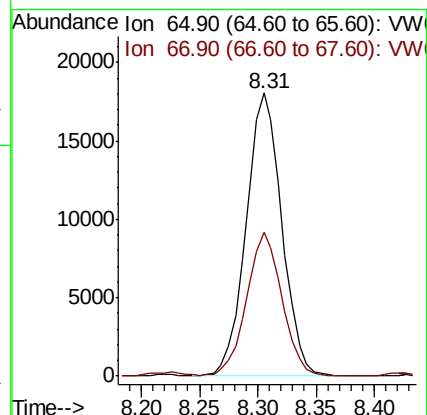
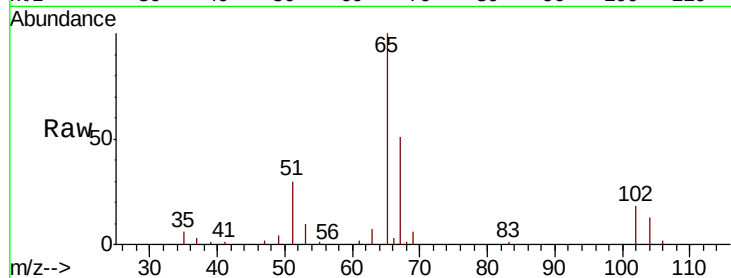




#33
 1,2-Dichloroethane-d4
 Concen: 41.733 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007492.D
 Acq: 13 Dec 2018 16:54

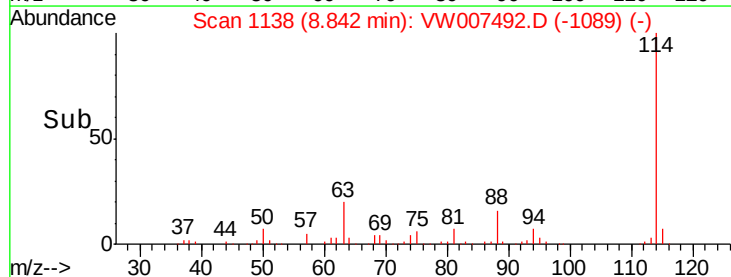
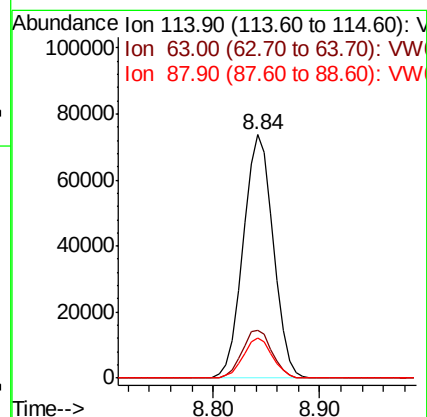
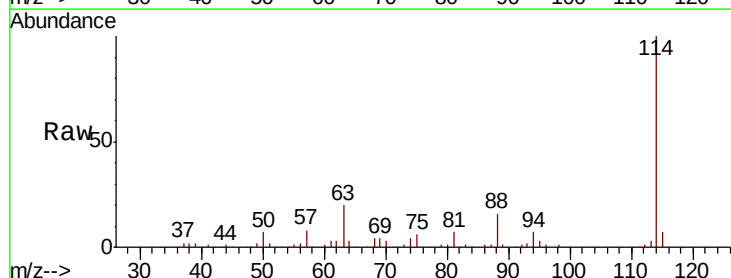
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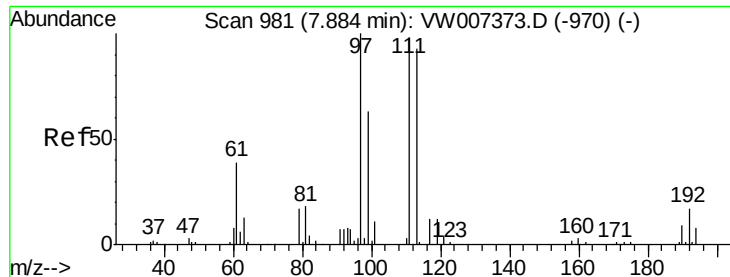
Tot Ion: 65 Resp: 38408
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007492.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 114 Resp: 145770
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.6
 88 16.4 0.0 31.4

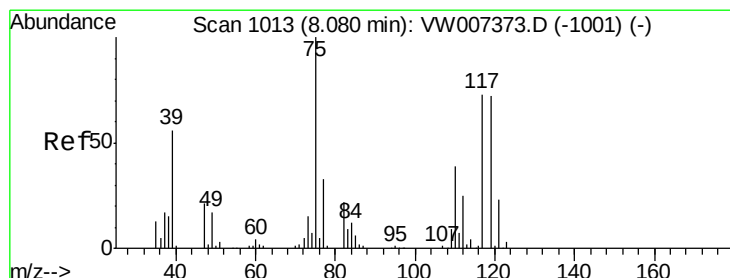
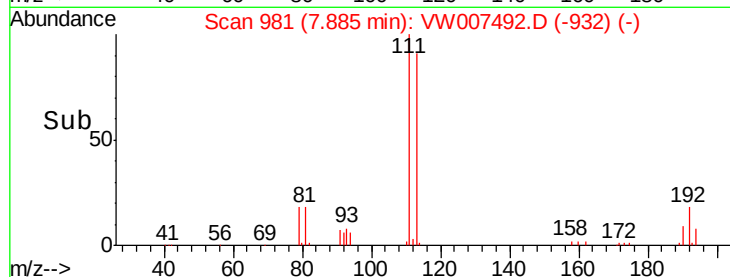
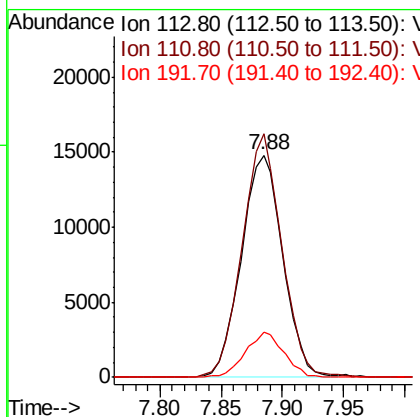
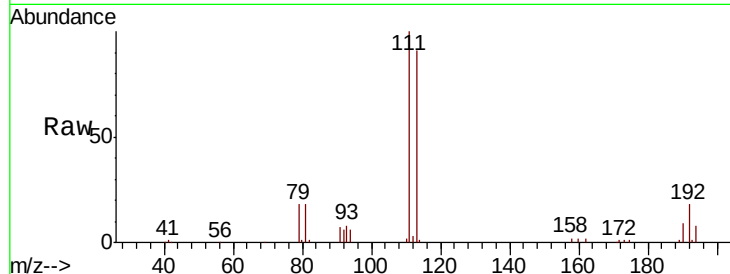




#35
 Dibromofluoromethane
 Concen: 39.492 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007492.D
 Acq: 13 Dec 2018 16:54

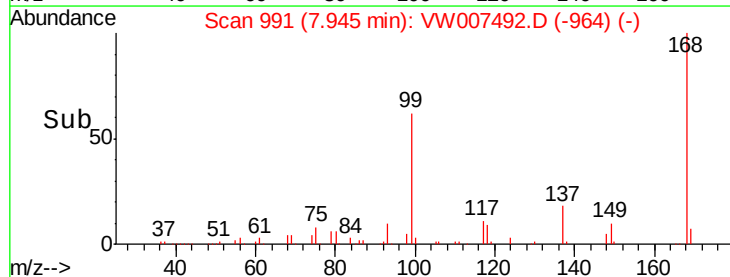
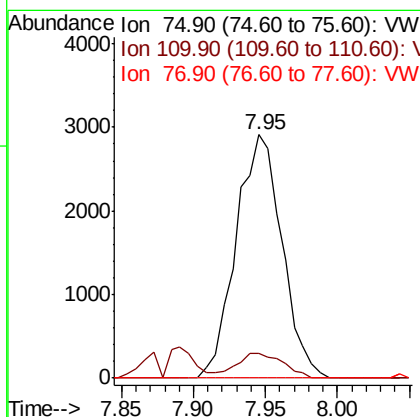
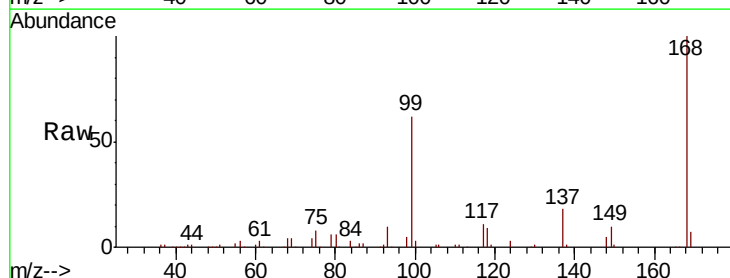
Instrument :
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 ClientSampleId :
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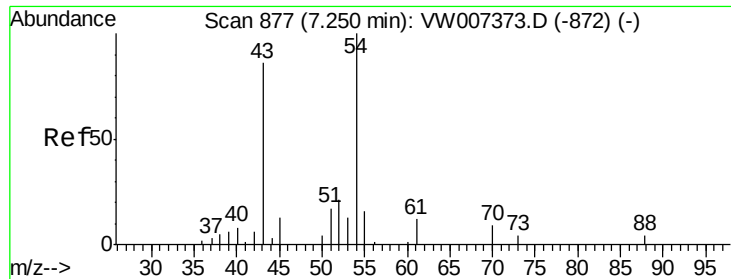
Tot Ion:113 Resp: 34848
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.1 121.7
 192 18.8 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.837 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007492.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 75 Resp: 6432
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.5 55.5#
 77 0.0 25.6 38.4#

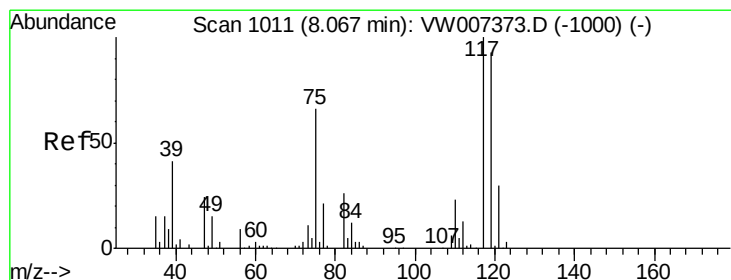
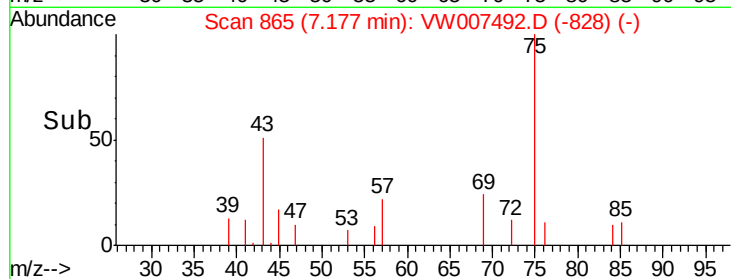
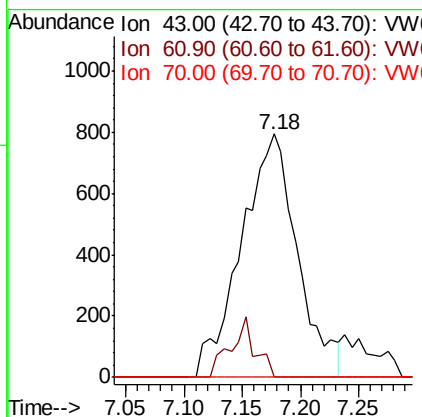
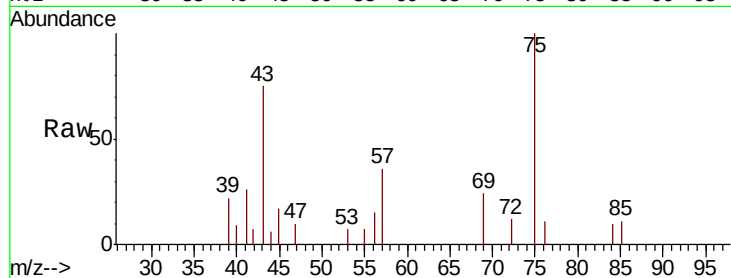




#37
Ethyl Acetate
Concen: 5.390 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

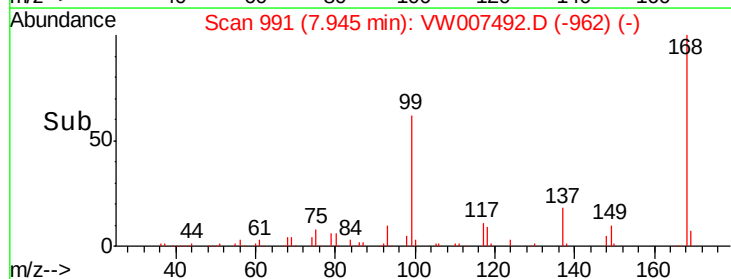
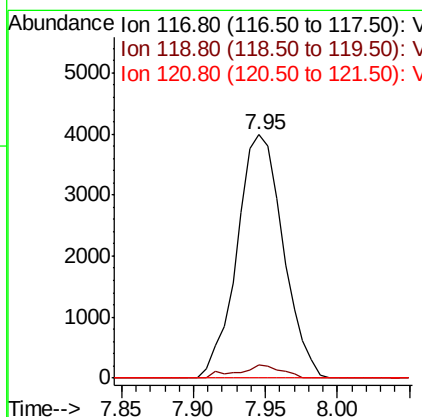
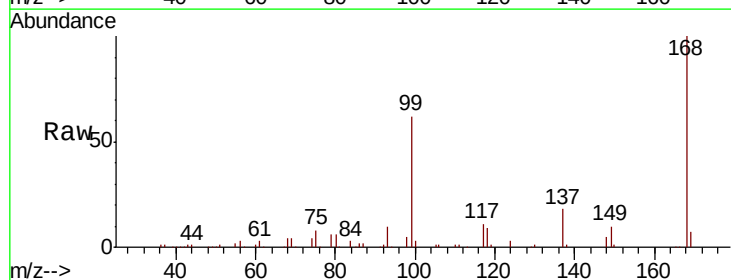
Instrument :
MSVOA_W
ClientSampled :
071-PIPE-1RE

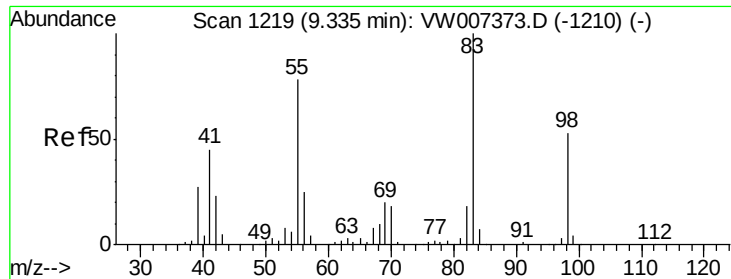
Tot Ion: 43 Resp: 2666
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 6.130 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 117 Resp: 8869
Ion Ratio Lower Upper
117 100
119 5.3 74.3 111.5#
121 0.0 24.3 36.5#

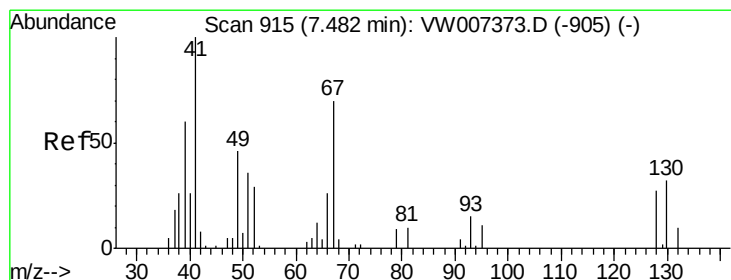
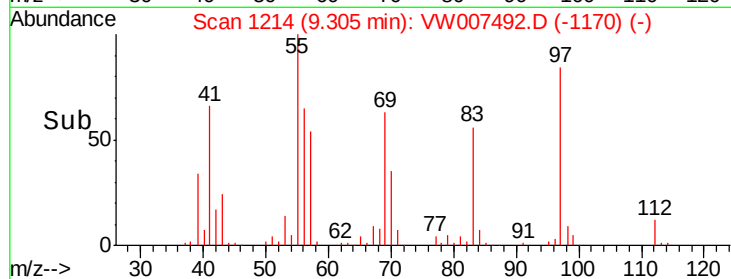
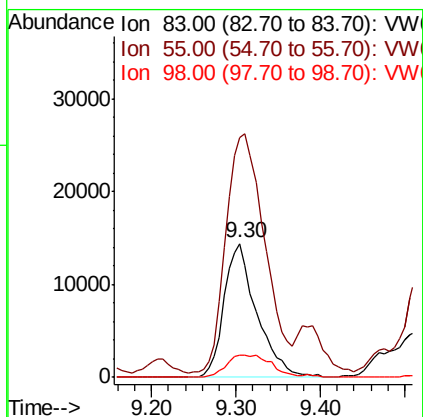
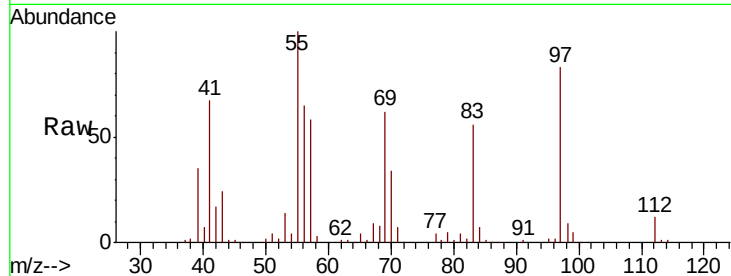




#39
Methylcyclohexane
Concen: 23.921 ug/l
RT: 9.30 min Scan# 1214
Delta R.T. -0.03 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

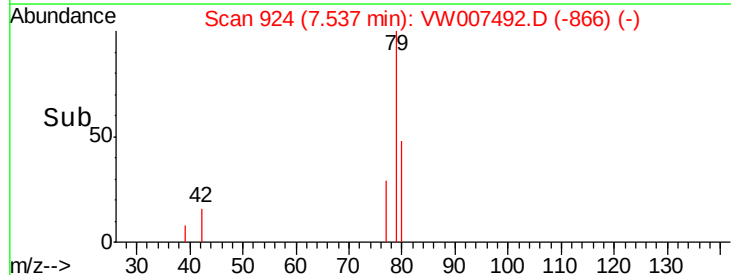
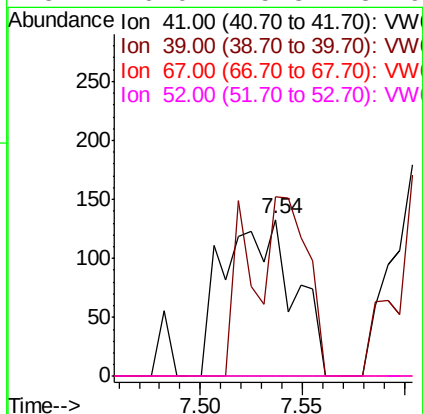
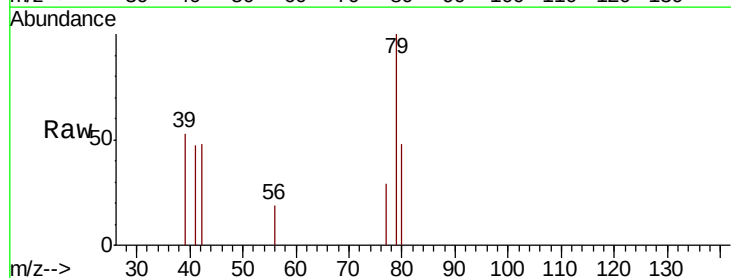
Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1RE

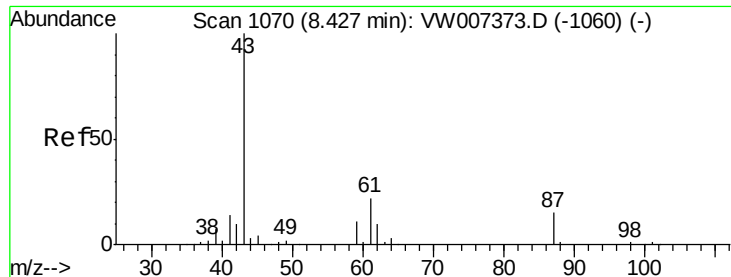
Tot Ion: 83 Resp: 38517
Ion Ratio Lower Upper
83 100
55 175.6 62.8 94.2#
98 16.6 42.2 63.2#



#41
Methacrylonitrile
Concen: 1.133 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 41 Resp: 319
Ion Ratio Lower Upper
41 100
39 92.2 52.2 78.2#
67 0.0 60.5 90.7#
52 0.0 25.3 37.9#





#43

Isopropyl Acetate

Concen: 12.300 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

071-PIPE-1RE

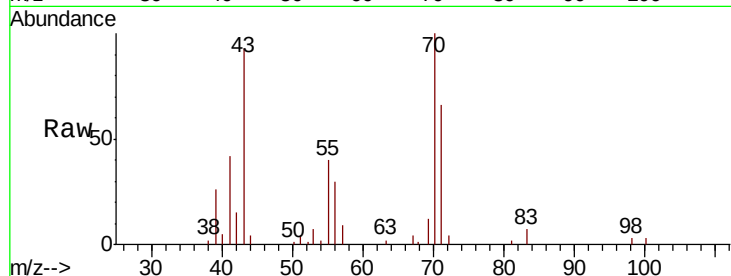
Tot Ion: 43 Resp: 12017

Ion Ratio Lower Upper

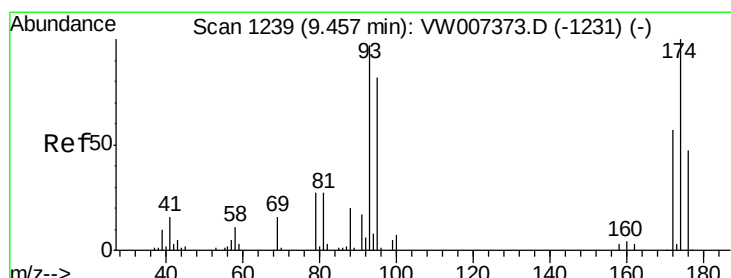
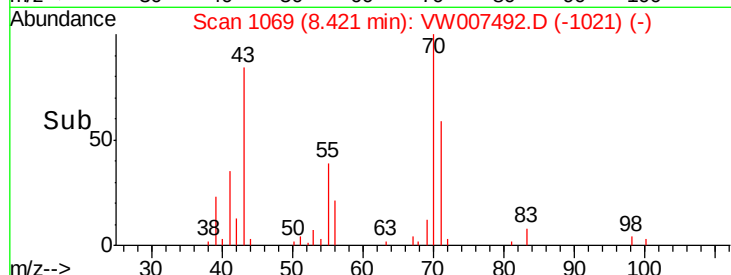
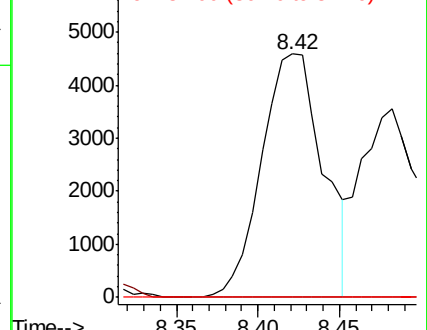
43 100

61 0.0 25.3 37.9#

87 0.0 11.8 17.8#



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



#46

Dibromomethane

Concen: 1.458 ug/l

RT: 9.40 min Scan# 1230

Delta R.T. -0.05 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

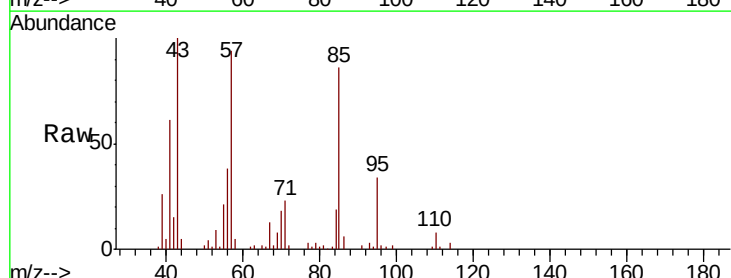
Tgt Ion: 93 Resp: 707

Ion Ratio Lower Upper

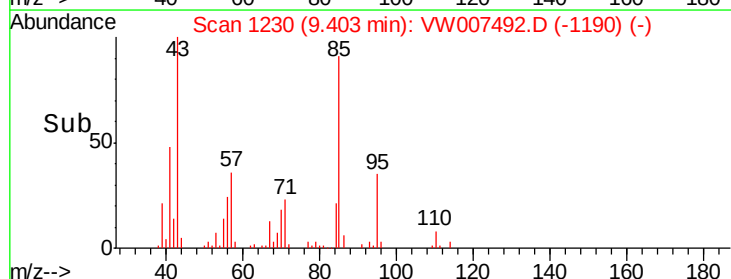
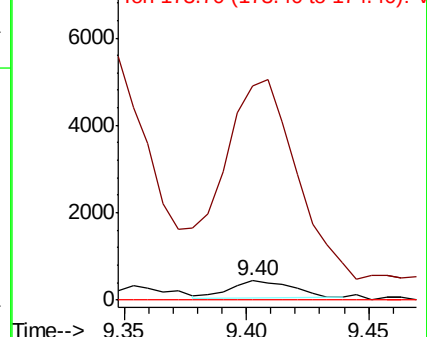
93 100

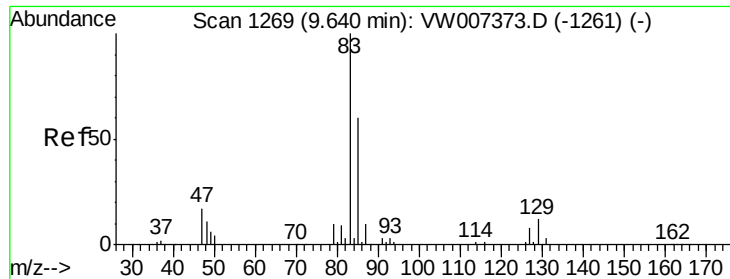
95 1313.2 68.0 102.0#

174 0.0 83.2 124.8#



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.615 ug/l

RT: 9.62 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

071-PIPE-1RE

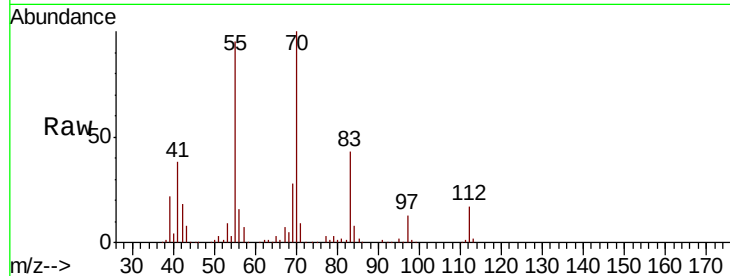
Tot Ion: 83 Resp: 70746

Ion Ratio Lower Upper

83 100

85 3.6 47.6 71.4#

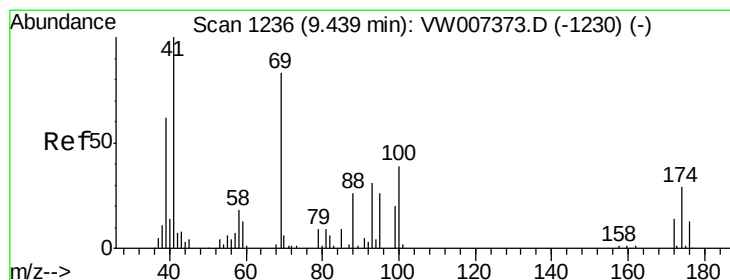
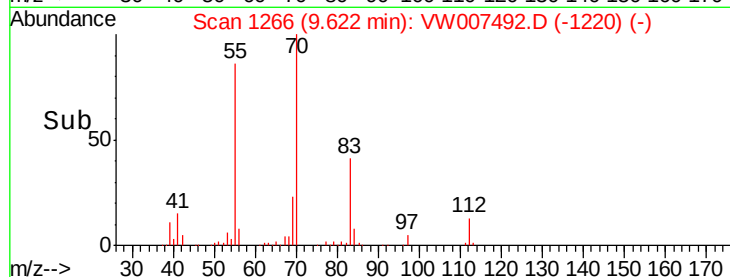
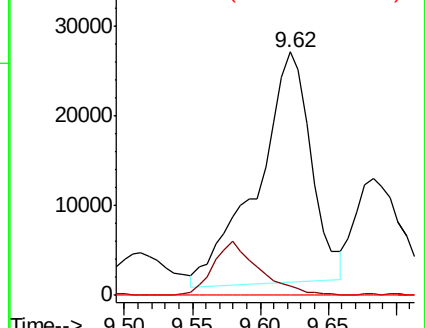
127 0.0 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 68.377 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. -0.05 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

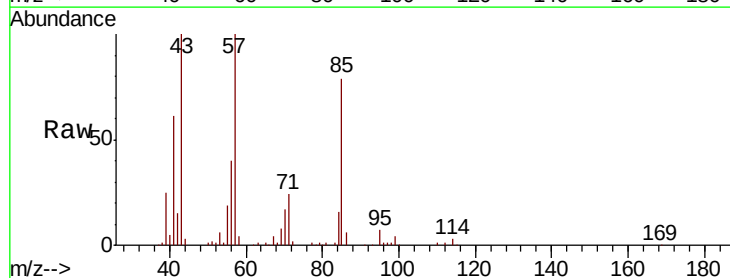
Tgt Ion: 41 Resp: 34308

Ion Ratio Lower Upper

41 100

69 9.5 69.8 104.8#

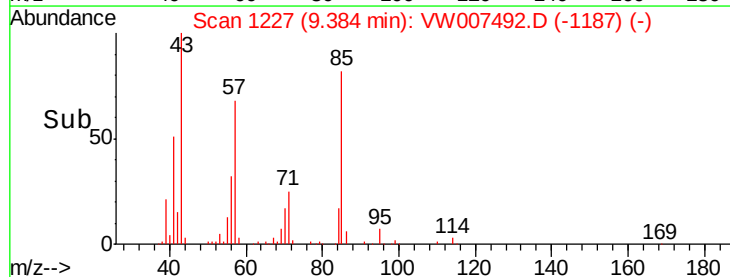
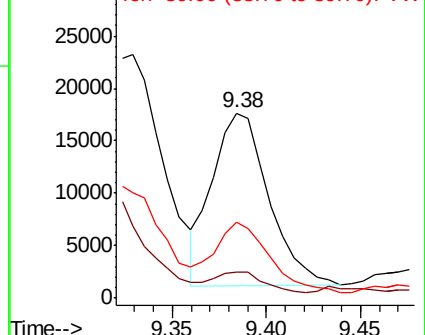
39 39.9 50.9 76.3#

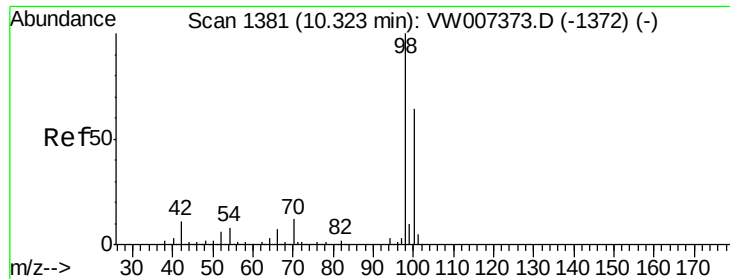


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

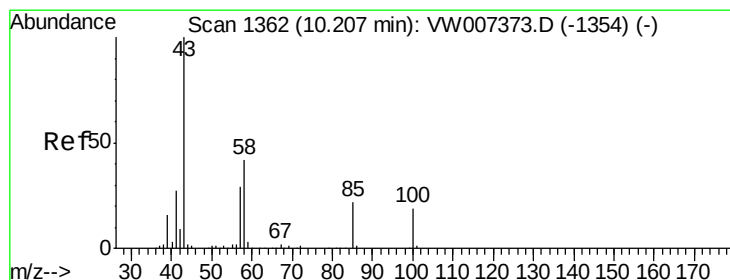
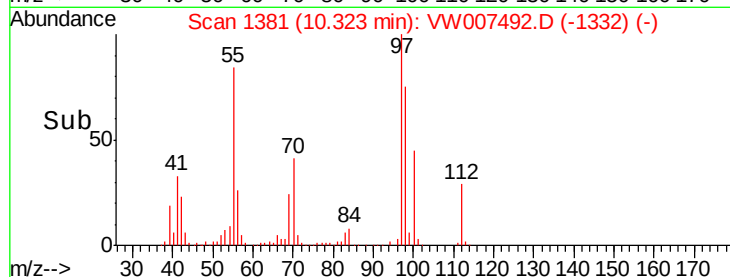
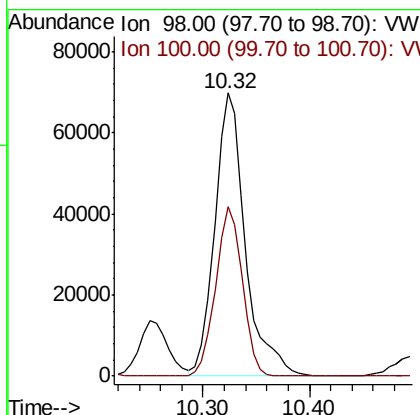
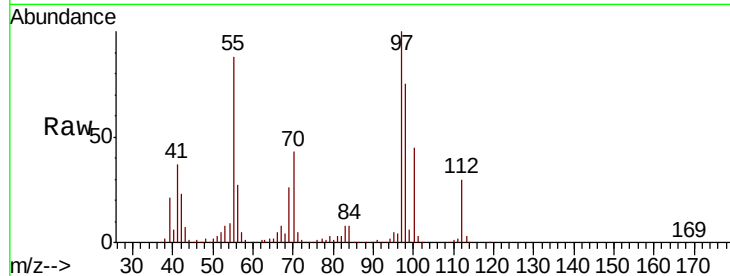




#50
Toluene-d8
Concen: 41.991 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

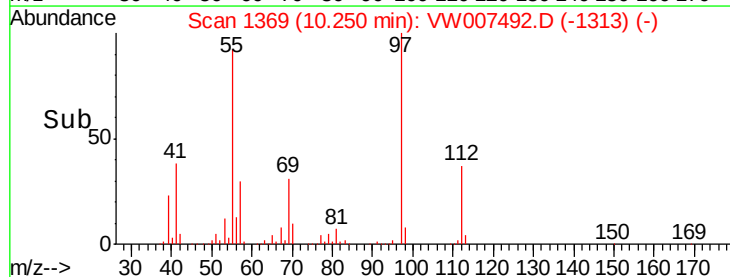
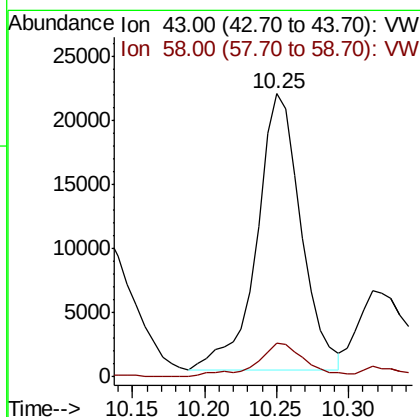
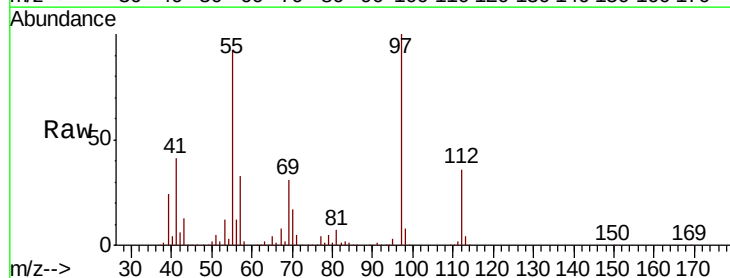
Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1RE

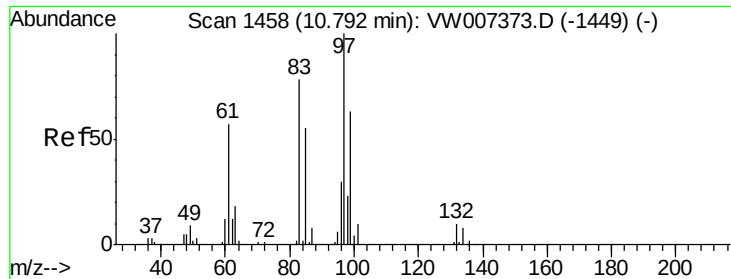
Tot Ion: 98 Resp: 138928
Ion Ratio Lower Upper
98 100
100 52.3 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 99.200 ug/l
RT: 10.25 min Scan# 1369
Delta R.T. 0.04 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 43 Resp: 45792
Ion Ratio Lower Upper
43 100
58 13.5 33.1 49.7#

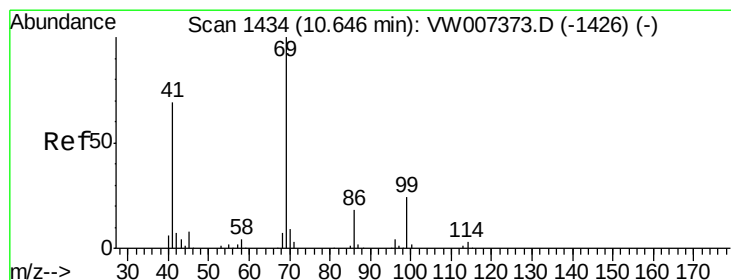
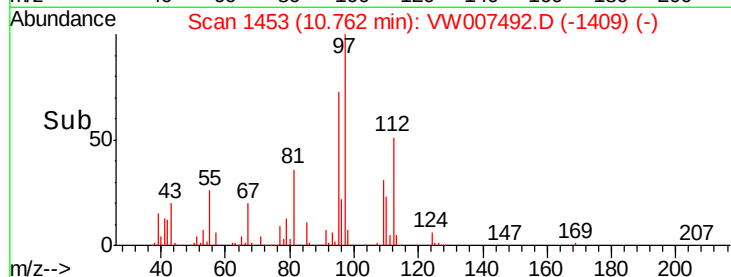
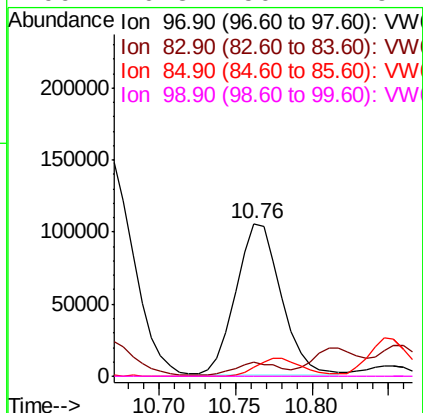
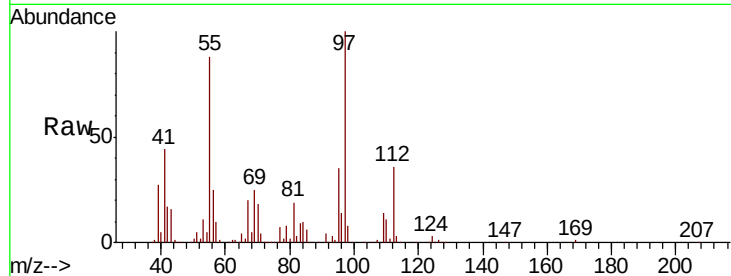




#55
 1,1,2-Trichloroethane
 Concen: 329.543 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.03 min
 Lab File: VW007492.D
 Acq: 13 Dec 2018 16:54

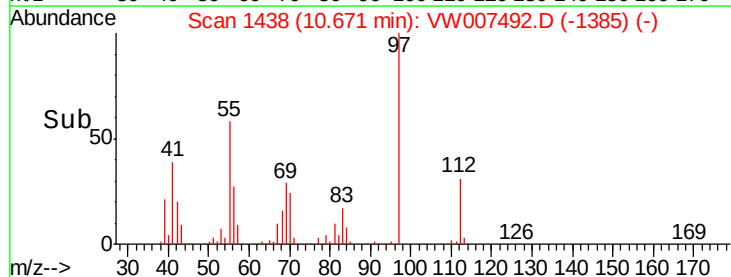
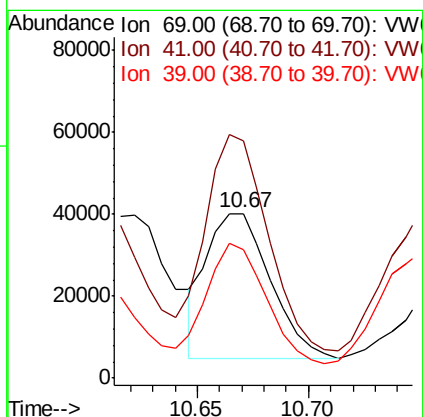
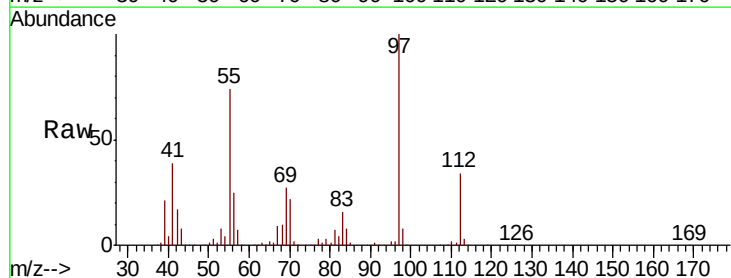
Instrument :
 MSVOA_W
 ClientSampleId :
 071-PIPE-1RE

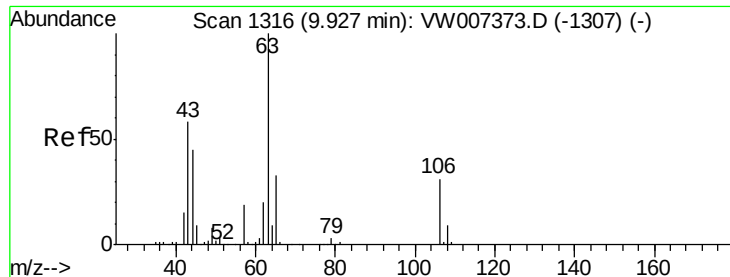
Tot Ion:	97	Resp:	217511
Ion	Ratio	Lower	Upper
97	100		
83	8.2	62.1	93.1#
85	5.9	44.2	66.4#
99	0.3	50.2	75.4#



#56
 Ethyl methacrylate
 Concen: 88.663 ug/l
 RT: 10.67 min Scan# 1438
 Delta R.T. 0.02 min
 Lab File: VW007492.D
 Acq: 13 Dec 2018 16:54

Tgt Ion:	69	Resp:	70340
Ion	Ratio	Lower	Upper
69	100		
41	160.9	51.0	76.6#
39	85.7	30.8	46.2#

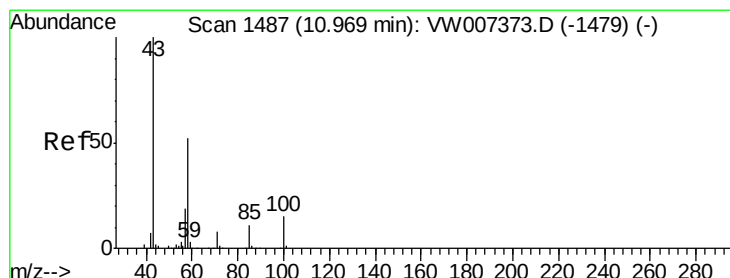
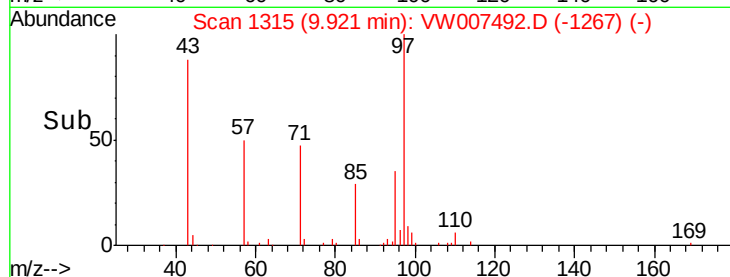
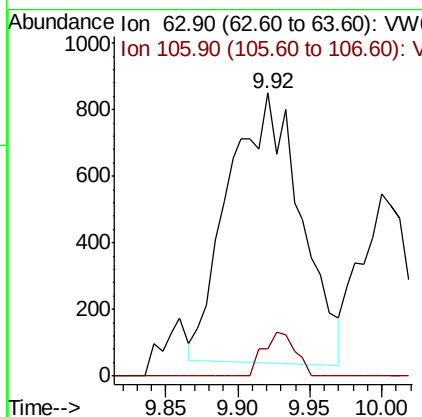
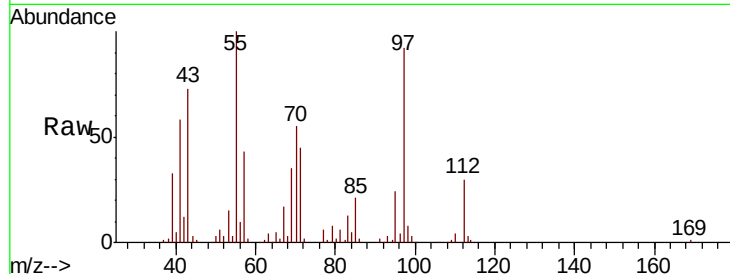




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.719 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007492.D
 Acq: 13 Dec 2018 16:54

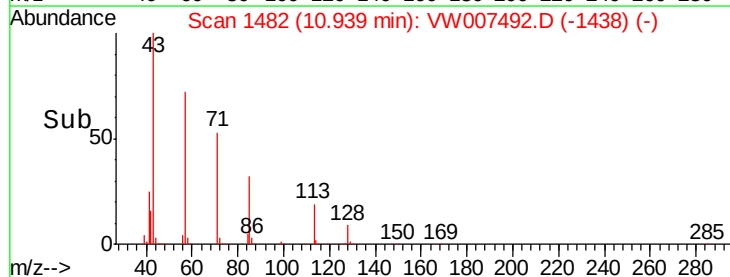
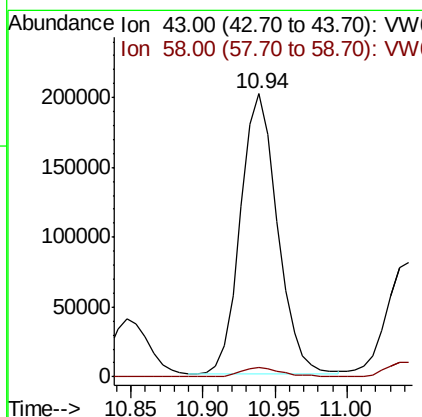
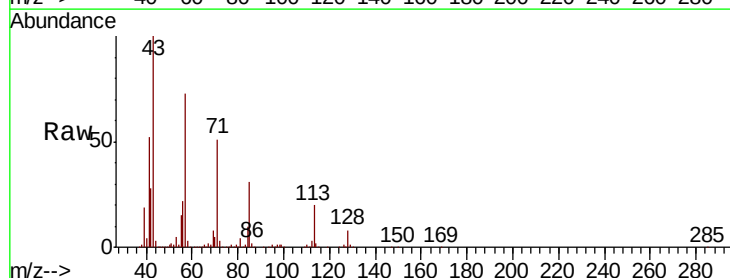
Instrument :
 MSVOA_W
 ClientSampleId :
 071-PIPE-1RE

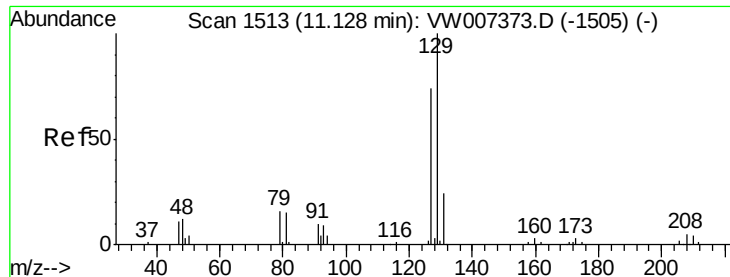
Tot Ion: 63 Resp: 2824
 Ion Ratio Lower Upper
 63 100
 106 7.2 25.0 37.6#



#59
 2-Hexanone
 Concen: 1160.434 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VW007492.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 43 Resp: 357186
 Ion Ratio Lower Upper
 43 100
 58 3.8 27.1 81.3#

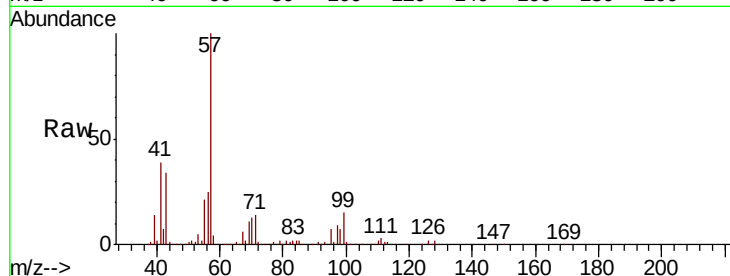




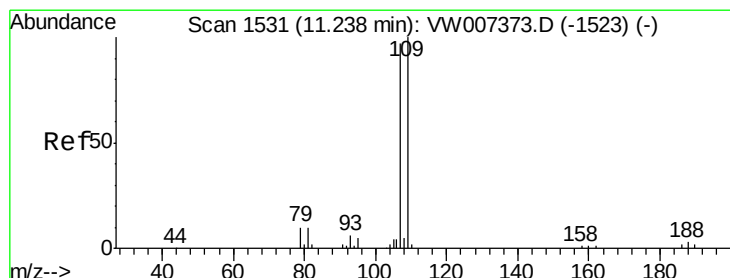
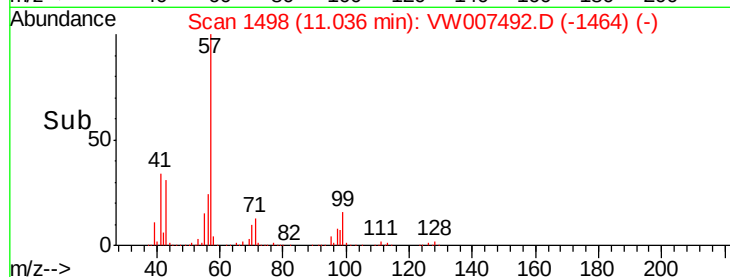
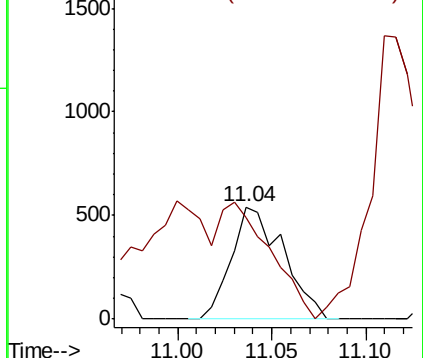
#60
Dibromochloromethane
Concen: 1.238 ug/l
RT: 11.04 min Scan# 1498
Delta R.T. -0.09 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1RE

Tot Ion:129 Resp: 1031
Ion Ratio Lower Upper
129 100
127 101.4 38.1 114.3

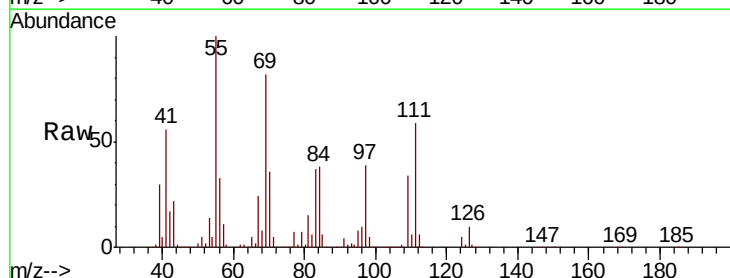


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

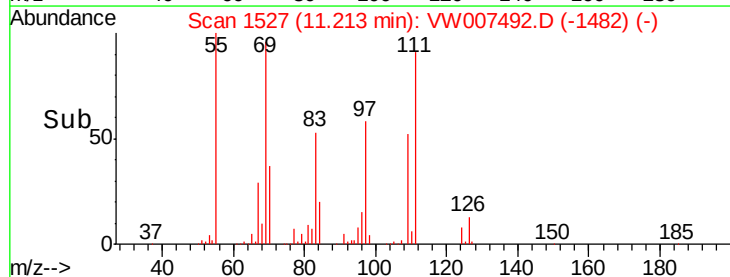
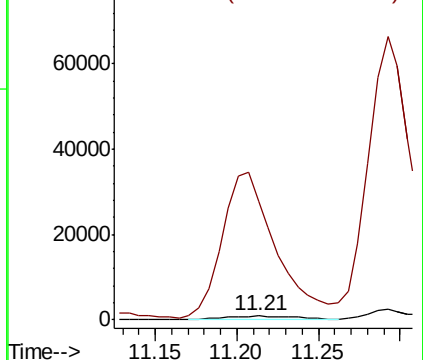


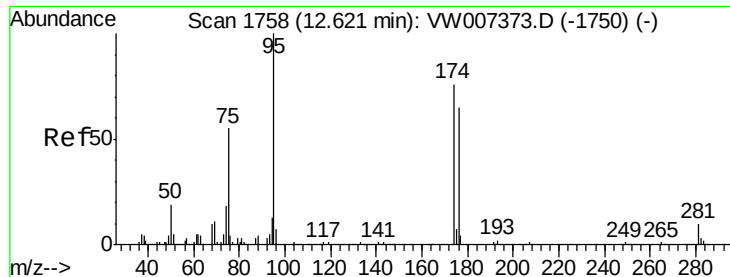
#61
1,2-Dibromoethane
Concen: 3.445 ug/l
RT: 11.21 min Scan# 1527
Delta R.T. -0.02 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Tgt Ion:107 Resp: 2247
Ion Ratio Lower Upper
107 100
109 3436.0 79.1 118.7#



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 107.619 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

071-PIPE-1RE

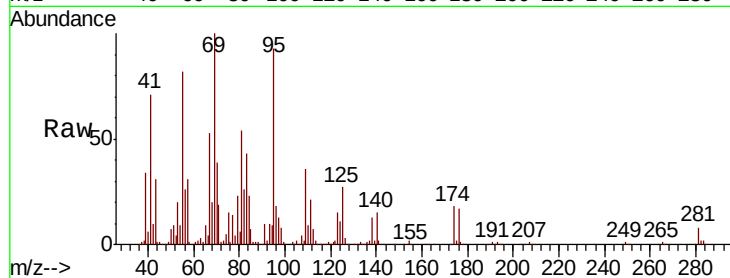
Tot Ion: 95 Resp: 130914

Ion Ratio Lower Upper

95 100

174 20.9 0.0 147.2

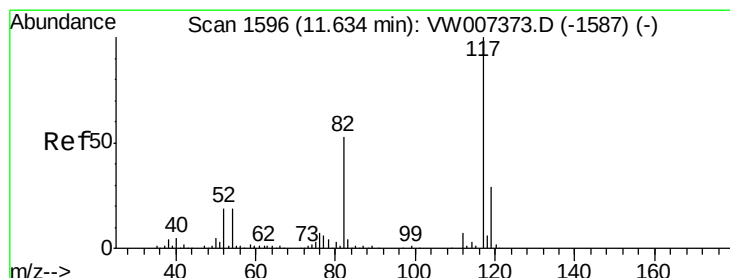
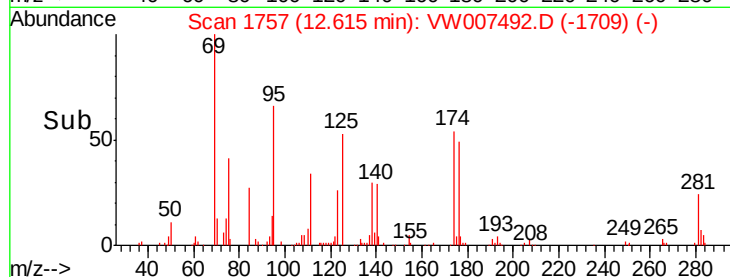
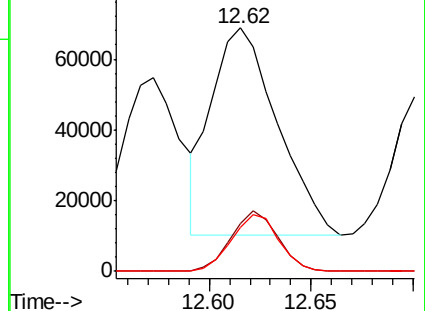
176 19.7 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

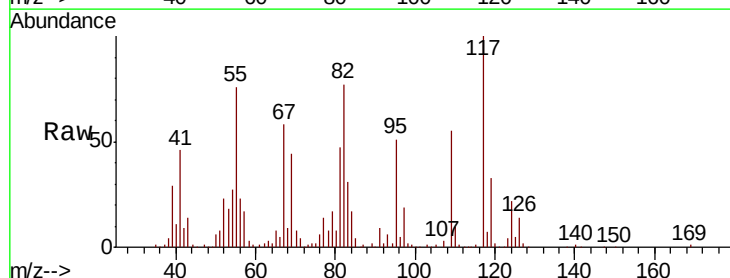
Tgt Ion: 117 Resp: 105721

Ion Ratio Lower Upper

117 100

82 57.9 42.3 63.5

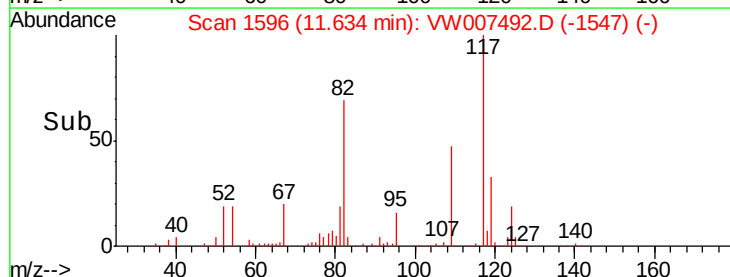
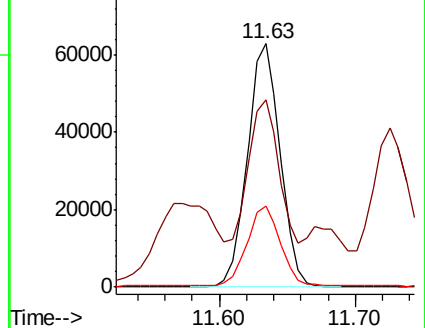
119 32.6 23.0 34.6

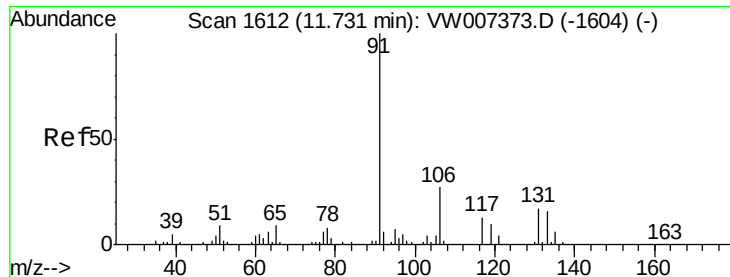


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

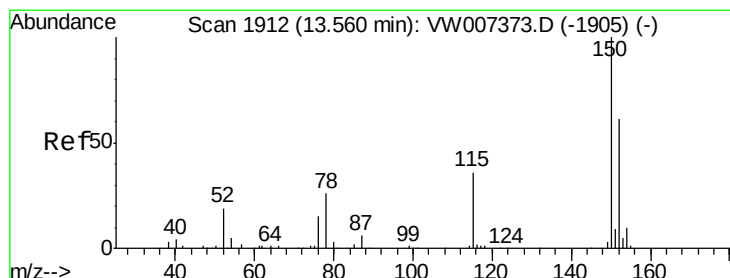
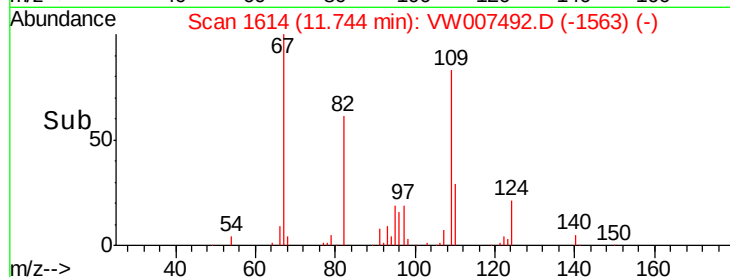
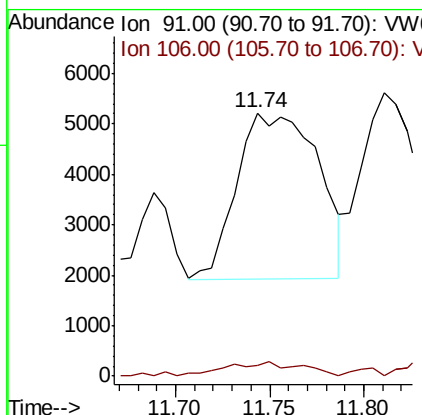
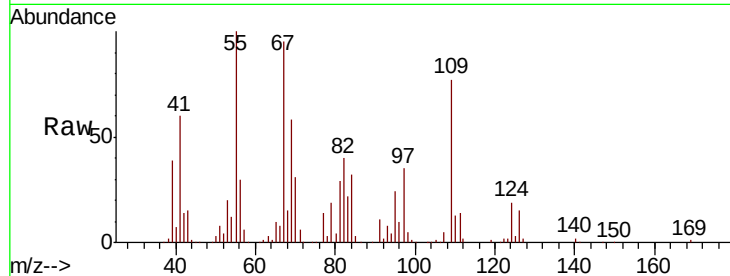




#67
Ethyl Benzene
Concen: 2.593 ug/l
RT: 11.74 min Scan# 1614
Delta R.T. 0.01 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

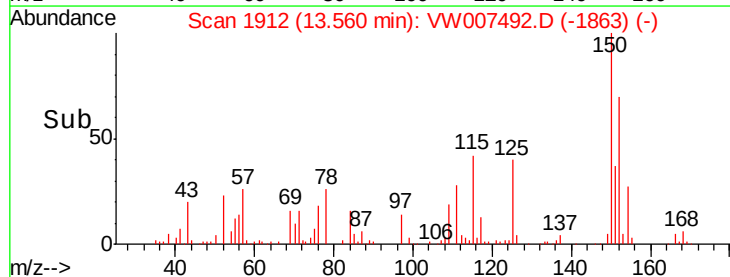
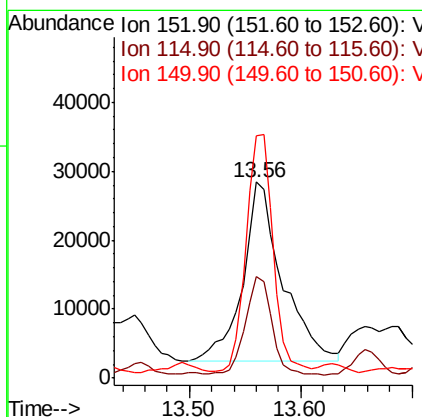
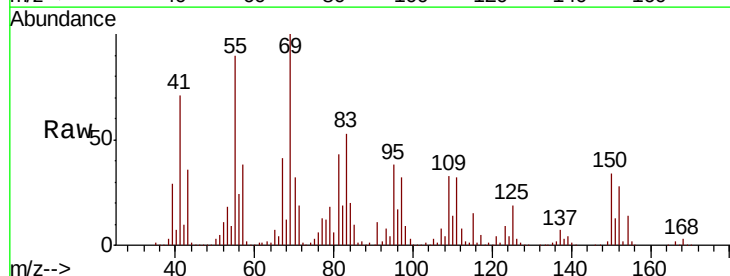
Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1RE

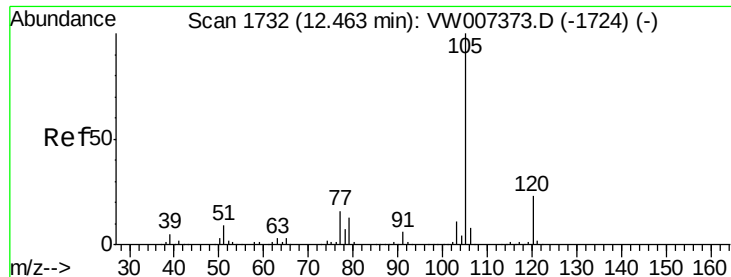
Tot Ion: 91 Resp: 9825
Ion Ratio Lower Upper
91 100
106 6.2 21.8 32.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 152 Resp: 64960
Ion Ratio Lower Upper
152 100
115 35.9 31.4 94.2
150 88.2 0.0 358.4





#73

Isopropylbenzene

Concen: 19.388 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

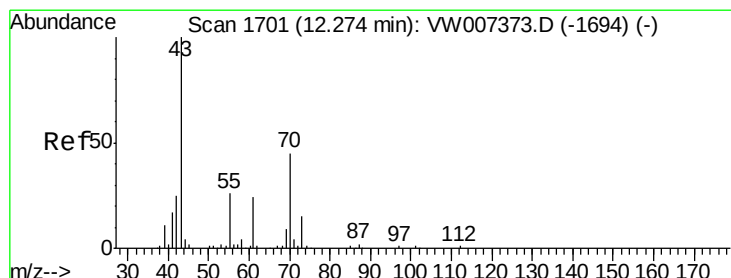
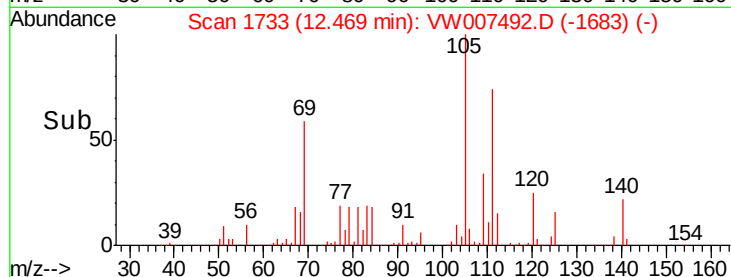
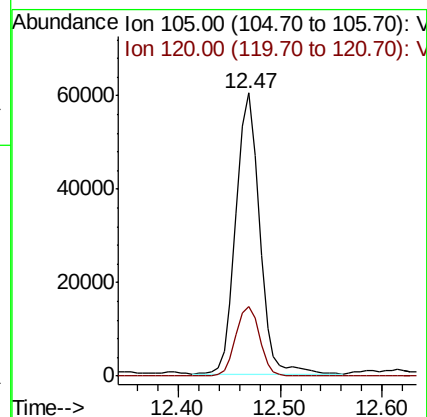
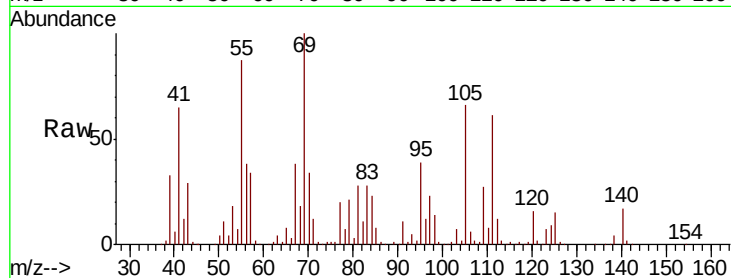
071-PIPE-1RE

Tot Ion:105 Resp: 96504

Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.4



#74

N-ethyl acetate

Concen: 401.561 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Tgt Ion: 43 Resp: 363258

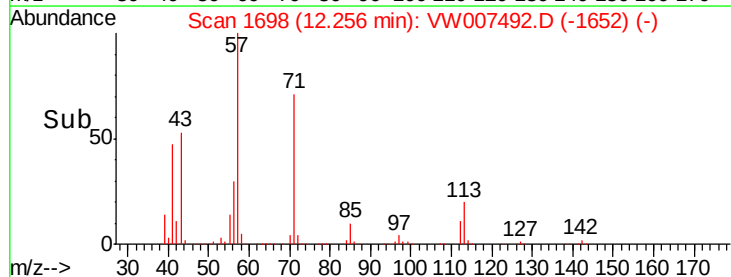
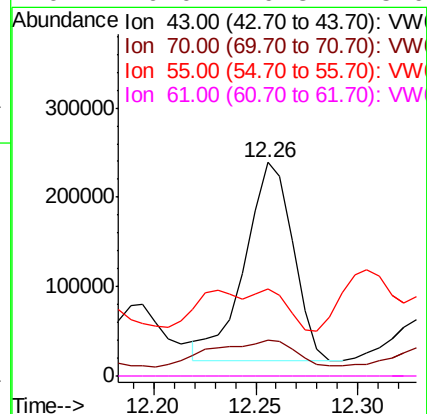
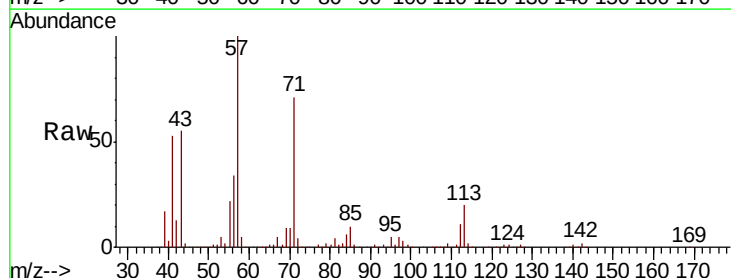
Ion Ratio Lower Upper

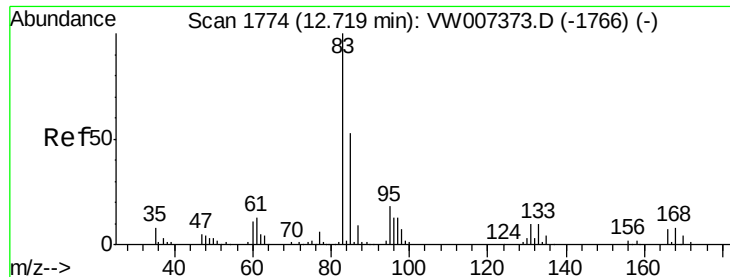
43 100

70 22.4 36.5 54.7#

55 0.0 20.1 30.1#

61 0.0 19.3 28.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 62.341 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

071-PIPE-1RE

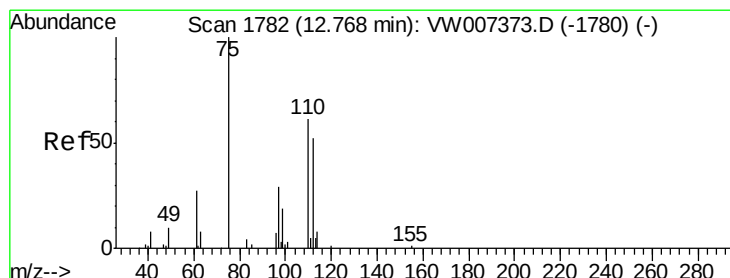
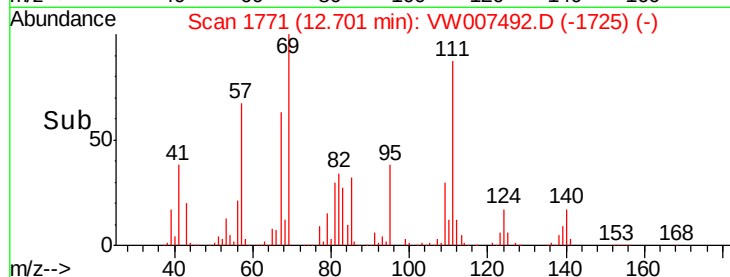
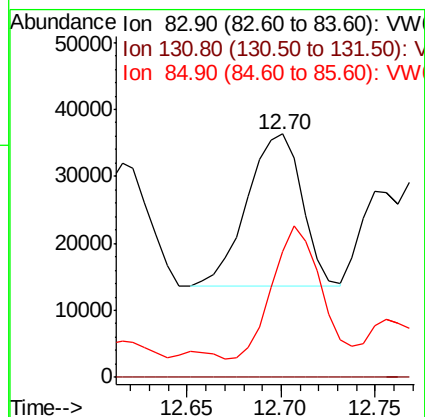
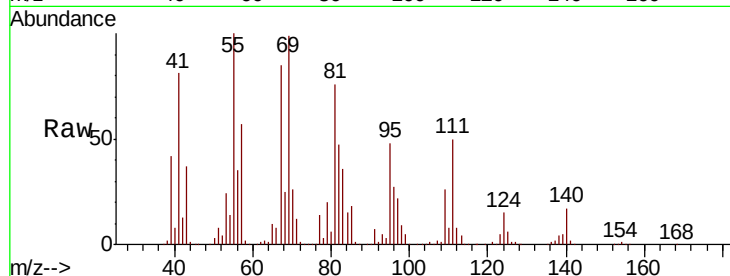
Tot Ion: 83 Resp: 45959

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.8#

85 76.4 30.0 90.0



#76

1,2,3-Trichloropropane

Concen: 36.896 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007492.D

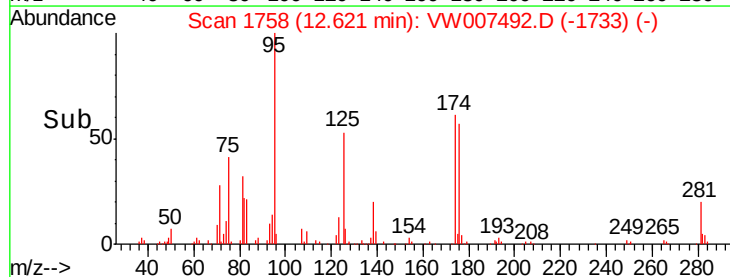
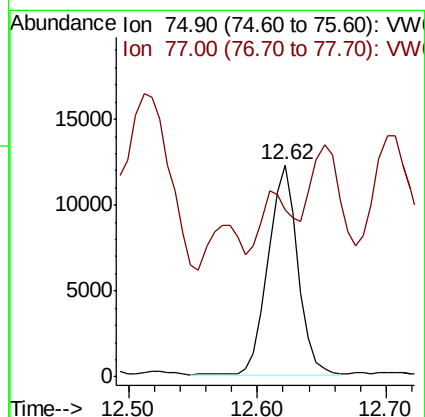
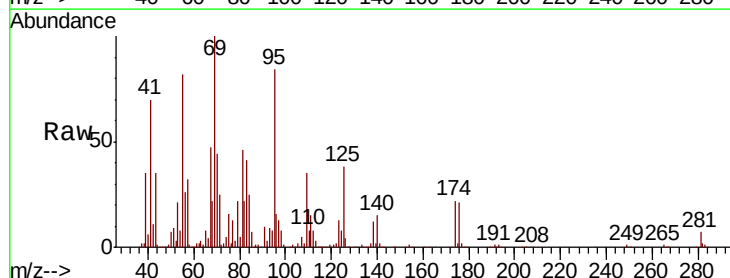
Acq: 13 Dec 2018 16:54

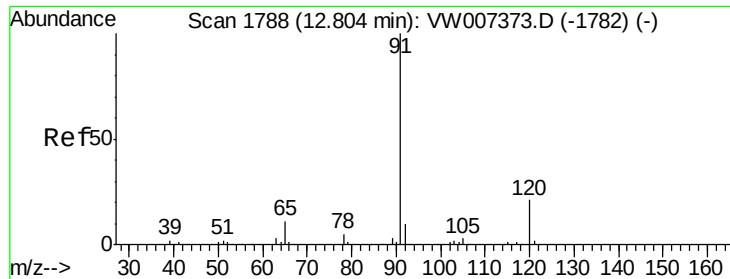
Tgt Ion: 75 Resp: 19762

Ion Ratio Lower Upper

75 100

77 30.2 166.9 500.8#





#78

n-propylbenzene

Concen: 10.844 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_W

ClientSampled :

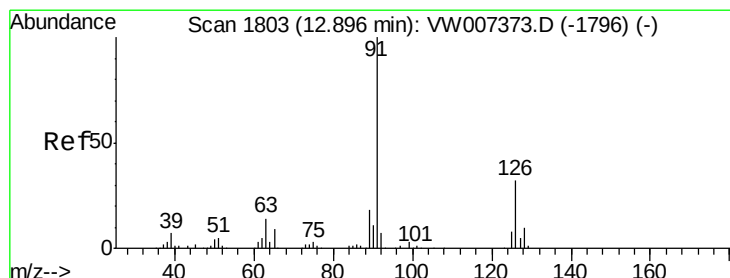
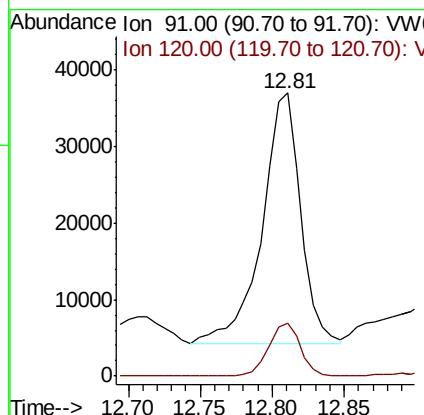
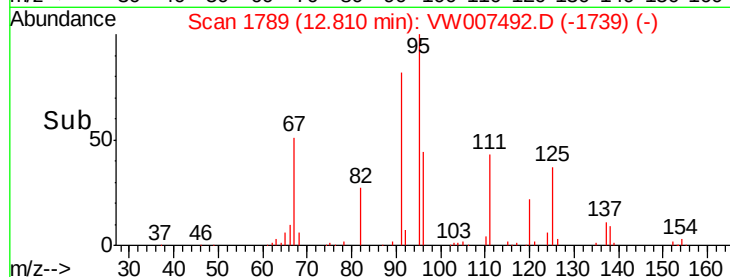
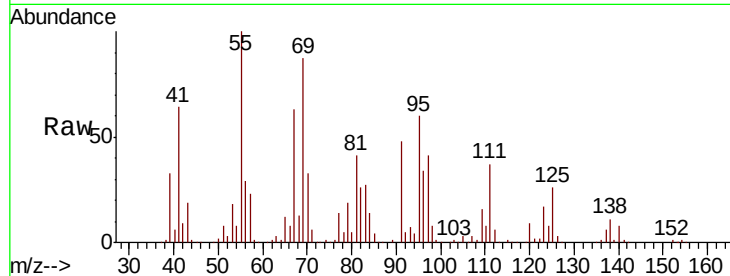
071-PIPE-1RE

Tot Ion: 91 Resp: 60744

Ion Ratio Lower Upper

91 100

120 17.7 11.9 35.5



#79

2-Chlorotoluene

Concen: 2.743 ug/l

RT: 13.13 min Scan# 1842

Delta R.T. 0.24 min

Lab File: VW007492.D

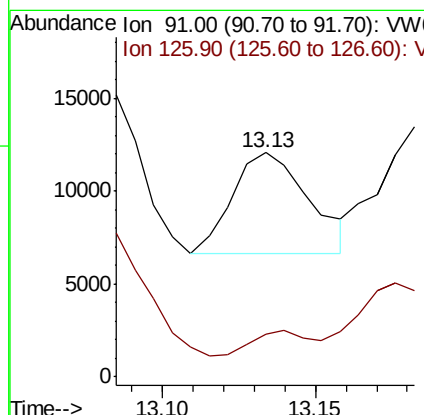
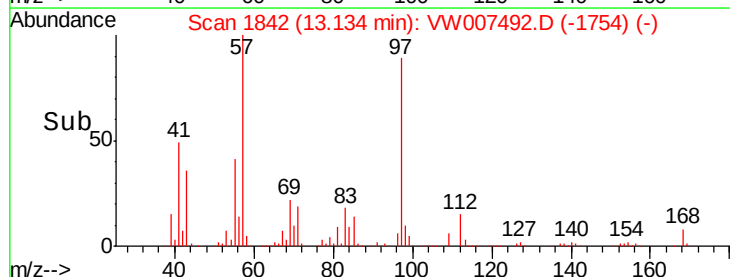
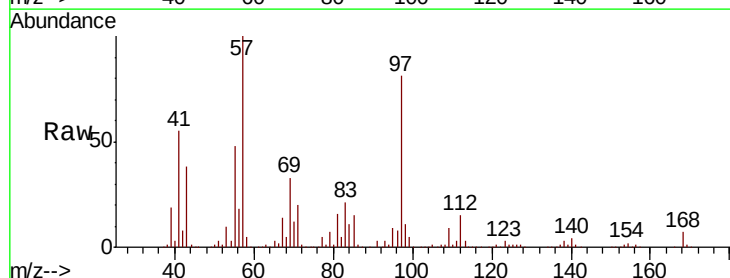
Acq: 13 Dec 2018 16:54

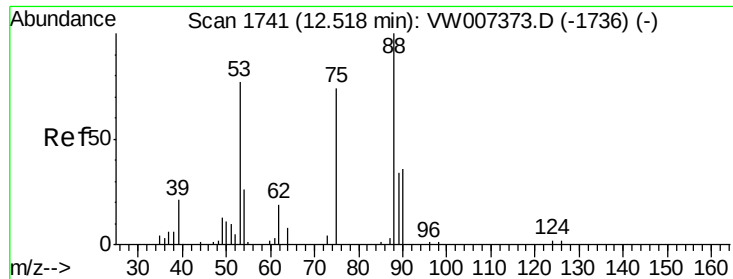
Tgt Ion: 91 Resp: 9296

Ion Ratio Lower Upper

91 100

126 20.4 15.9 47.6

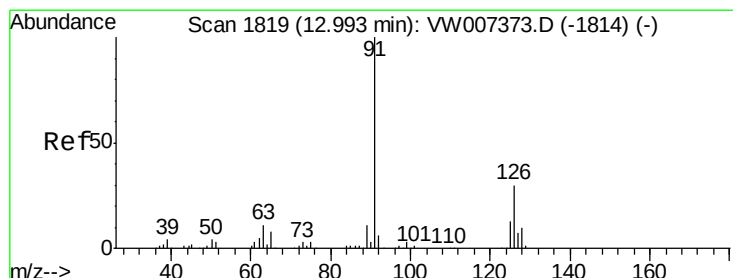
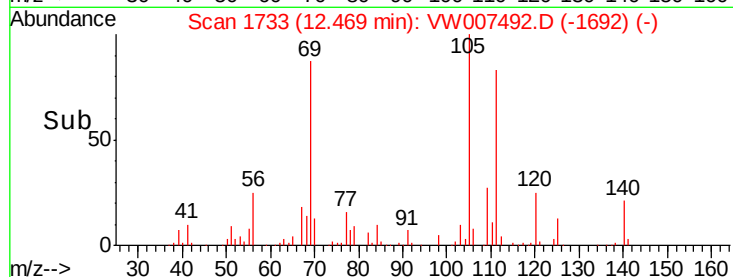
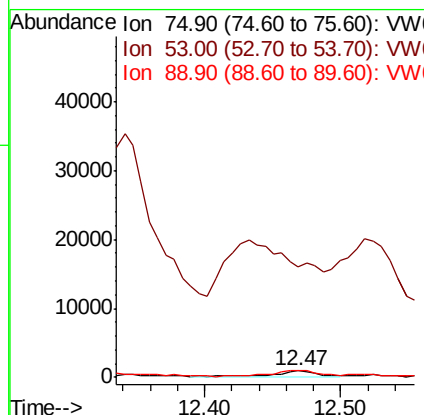
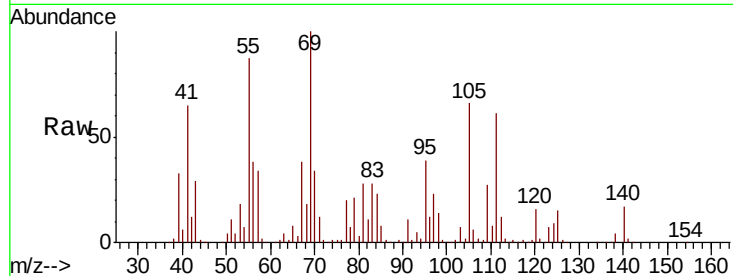




#81
trans-1,4-Dichloro-2-butene
Concen: 6.867 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.05 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

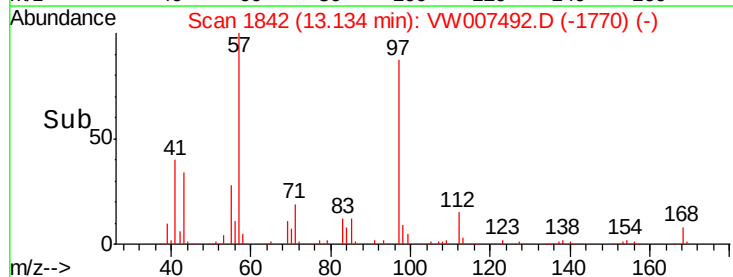
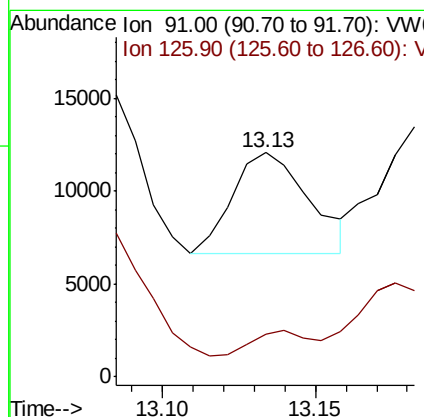
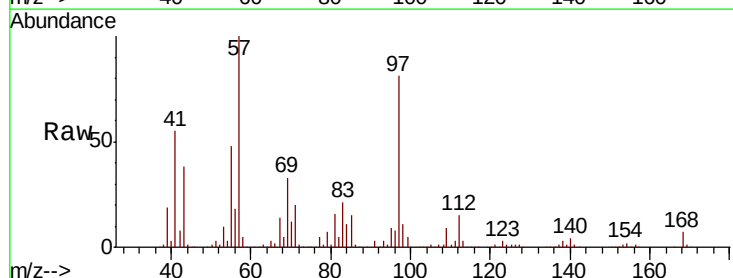
Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1RE

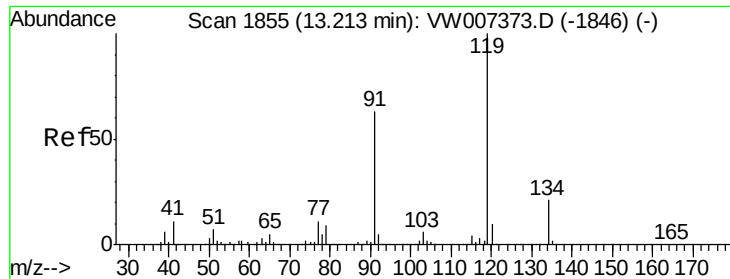
Tot Ion: 75 Resp: 1665
Ion Ratio Lower Upper
75 100
53 0.0 84.9 127.3#
89 130.5 40.3 60.5#



#82
4-Chlorotoluene
Concen: 2.602 ug/l
RT: 13.13 min Scan# 1842
Delta R.T. 0.14 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 91 Resp: 9296
Ion Ratio Lower Upper
91 100
126 20.4 16.0 48.0





#83

tert-Butylbenzene

Concen: 4.688 ug/l

RT: 13.45 min Scan# 1894

Delta R.T. 0.24 min

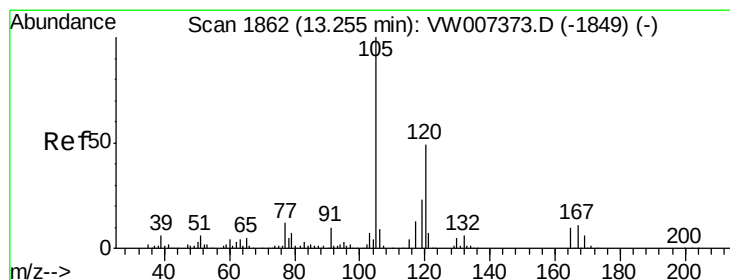
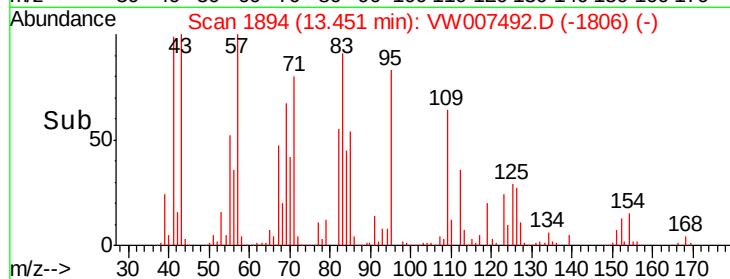
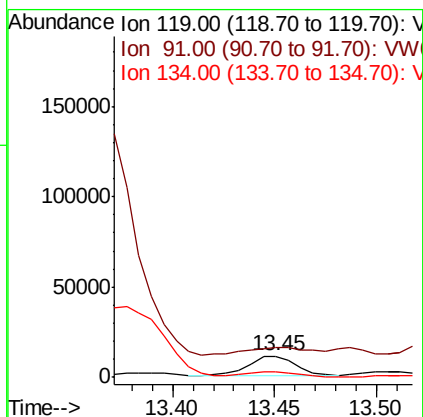
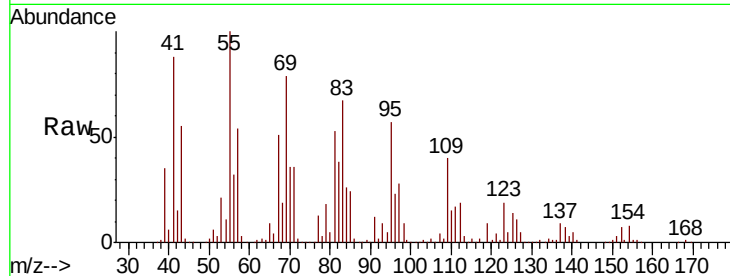
Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1RE

Tot Ion:119 Resp: 17276

Ion	Ratio	Lower	Upper
119	100		
91	43.2	33.1	99.2
134	29.6	12.5	37.5



#84

1,2,4-Trimethylbenzene

Concen: 2.517 ug/l

RT: 13.11 min Scan# 1838

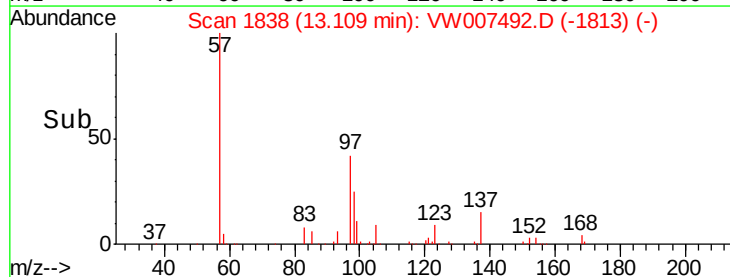
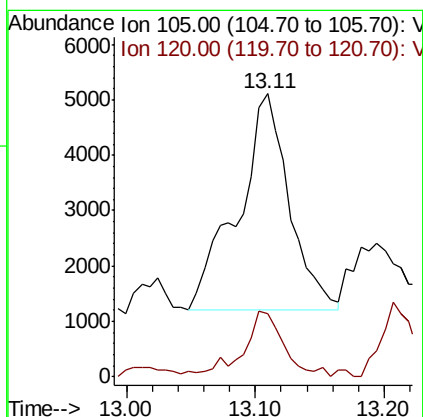
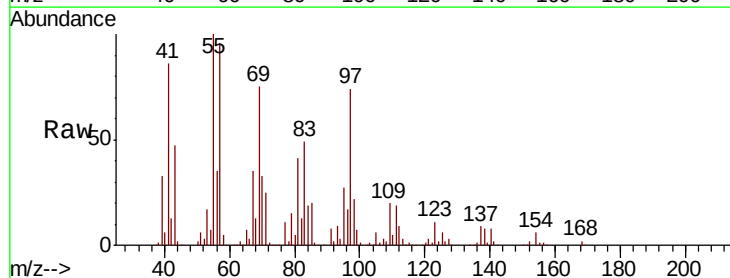
Delta R.T. -0.15 min

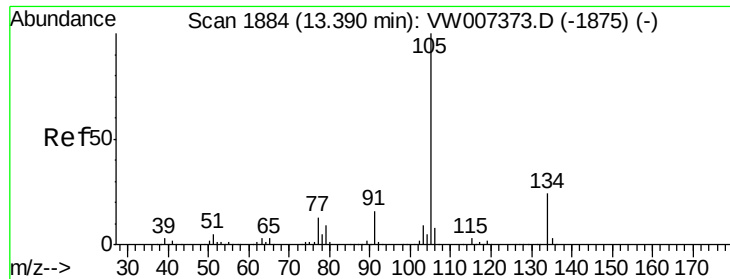
Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Tgt Ion:105 Resp: 10831

Ion	Ratio	Lower	Upper
105	100		
120	24.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 41.899 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

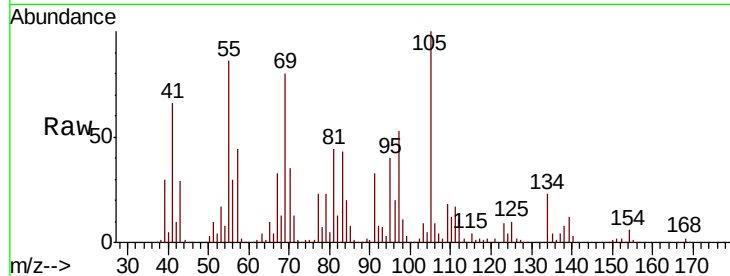
071-PIPE-1RE

Tot Ion:105 Resp: 210785

Ion Ratio Lower Upper

105 100

134 44.3 11.1 33.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

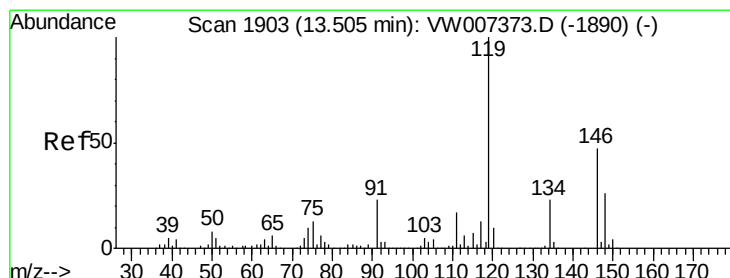
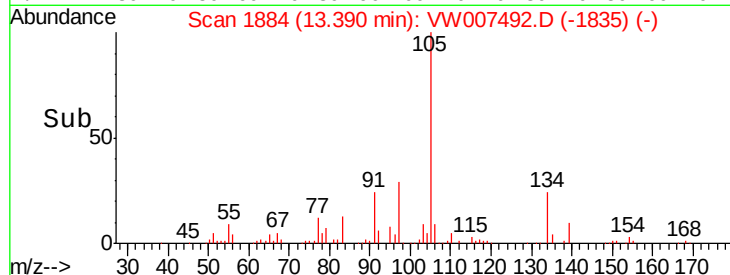
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 3.733 ug/l

RT: 13.45 min Scan# 1894

Delta R.T. -0.05 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

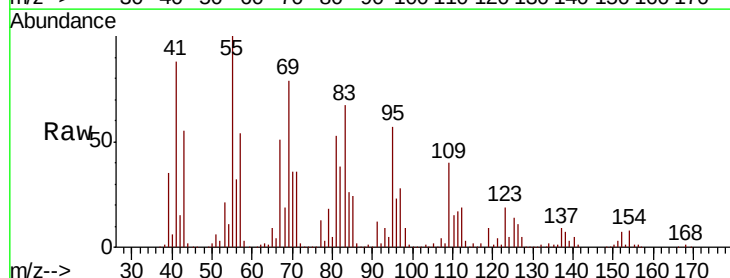
Tgt Ion:119 Resp: 16870

Ion Ratio Lower Upper

119 100

134 30.3 12.9 38.7

91 44.3 11.9 35.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

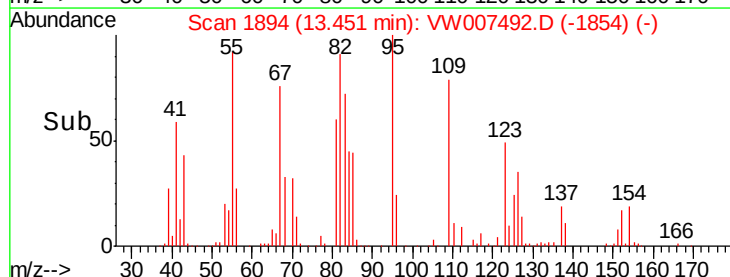
150000

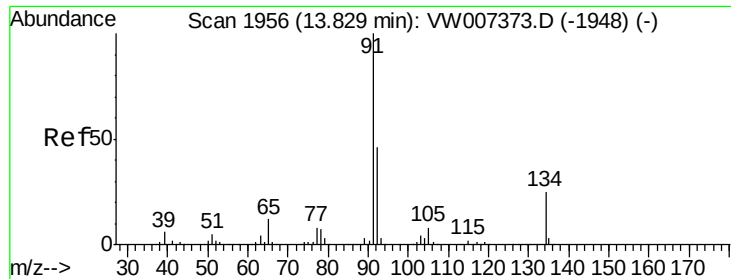
100000

50000

0

Time--> 13.40 13.45 13.50

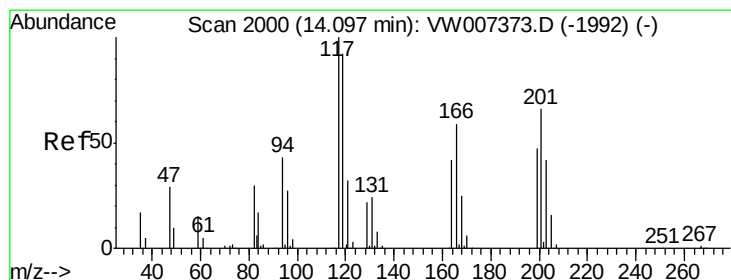
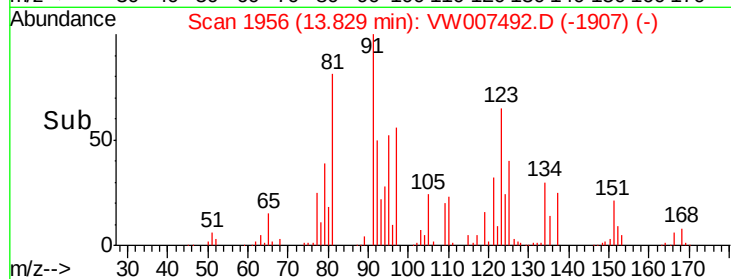
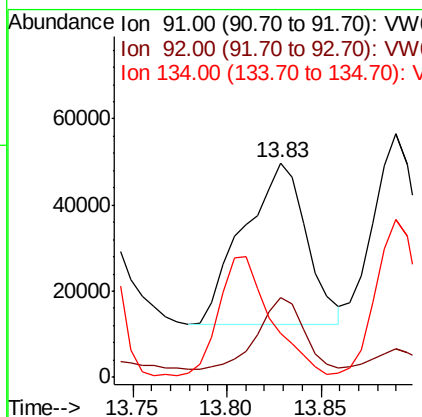
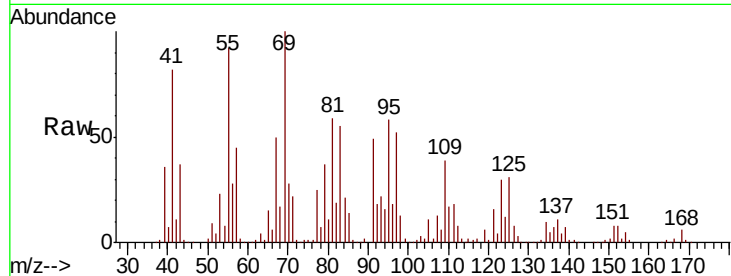




#89
n-Butylbenzene
Concen: 20.840 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

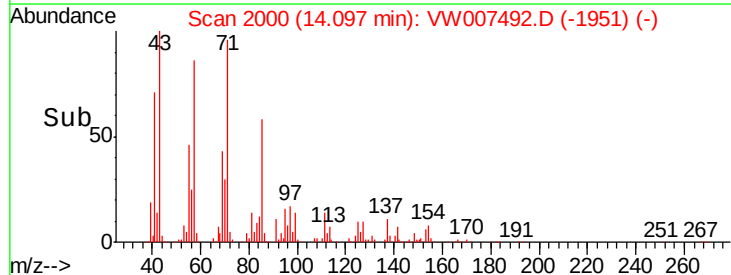
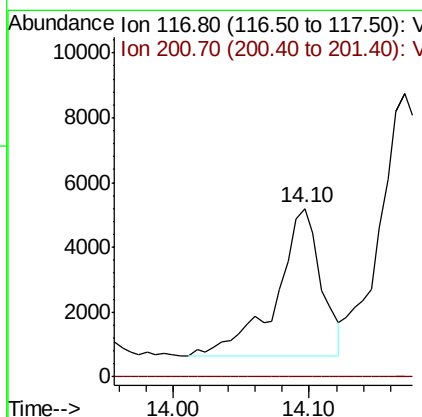
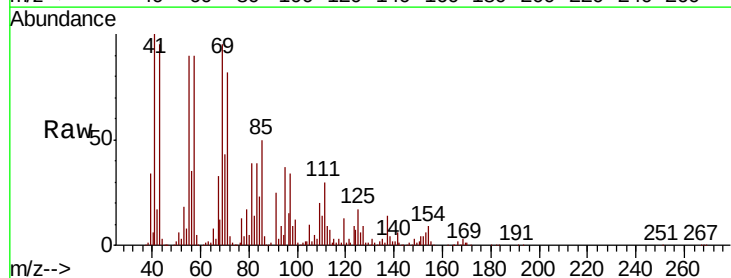
Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1RE

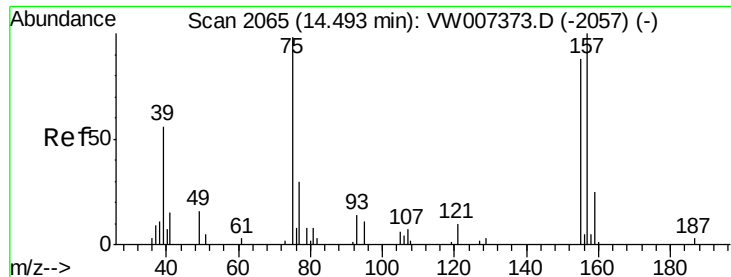
Tot Ion: 91 Resp: 87316
Ion Ratio Lower Upper
91 100
92 32.4 25.7 77.1
134 60.4 13.4 40.2#



#90
Hexachloroethane
Concen: 13.174 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 117 Resp: 10594
Ion Ratio Lower Upper
117 100
201 0.0 35.3 105.9#

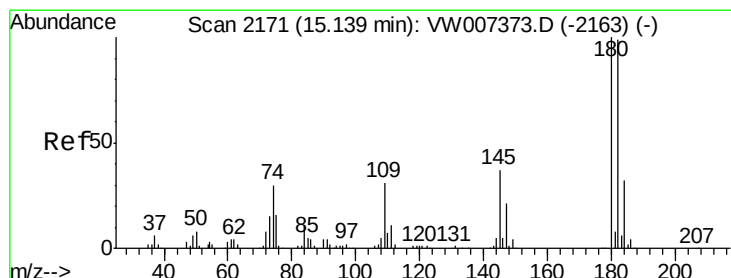
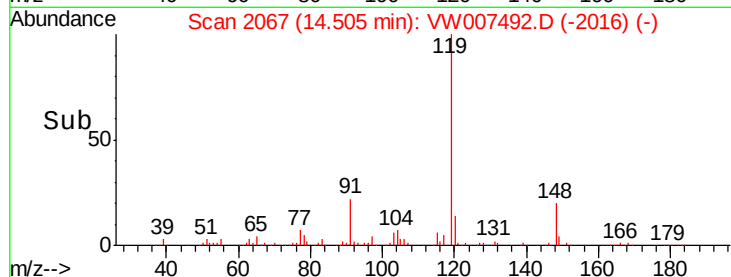
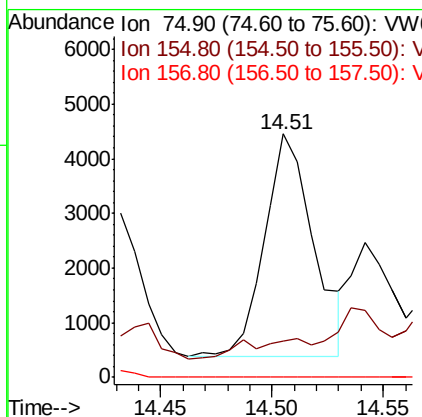
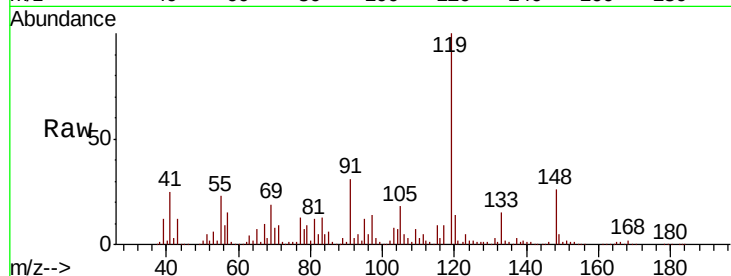




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.245 ug/l
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.01 min
 Lab File: VW007492.D
 Acq: 13 Dec 2018 16:54

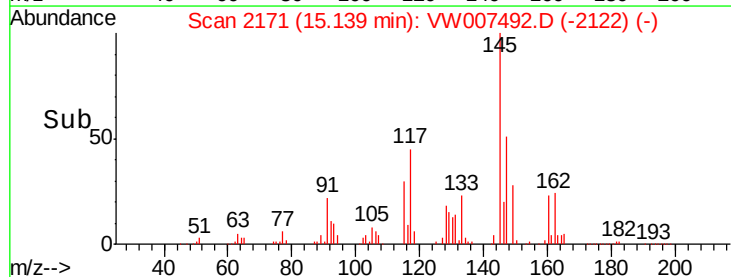
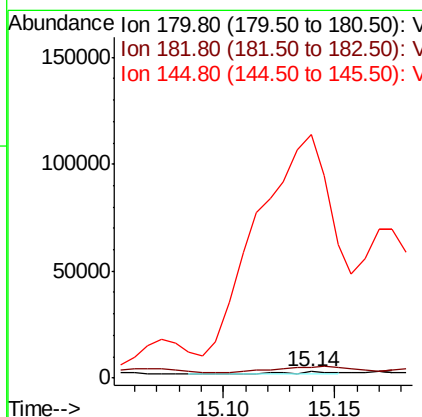
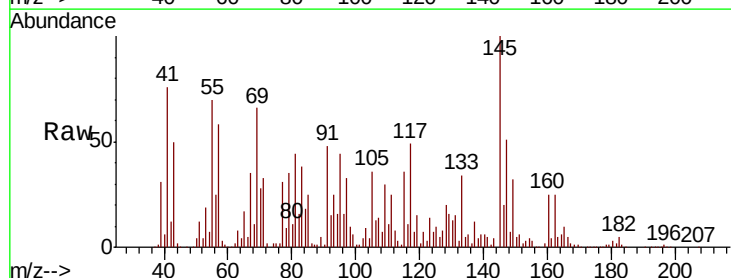
Instrument :
 MSVOA_W
 ClientSampleId :
 071-PIPE-1RE

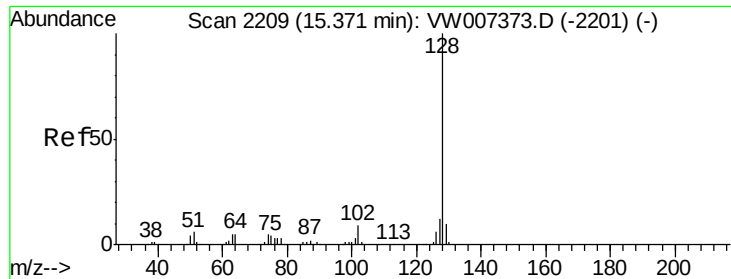
Tot Ion: 75 Resp: 6250
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.8 122.2#
 157 0.0 51.1 153.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.223 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007492.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 180 Resp: 1658
 Ion Ratio Lower Upper
 180 100
 182 475.9 49.9 149.6#
 145 16702.8 17.8 53.4#

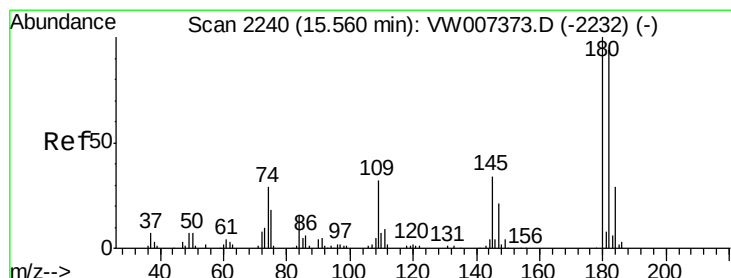
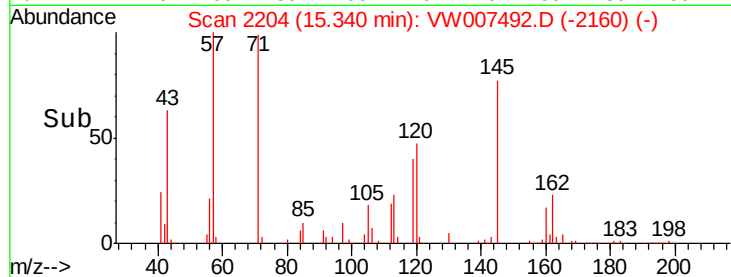
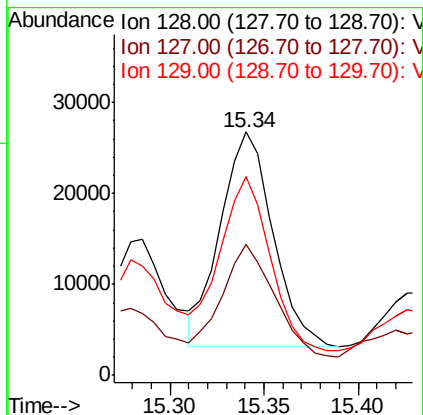
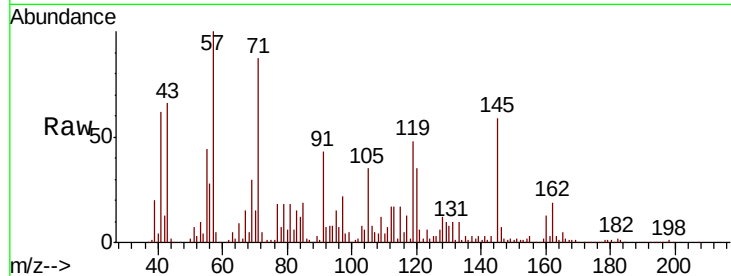




#95
Naphthalene
Concen: 17.548 ug/l
RT: 15.34 min Scan# 2204
Delta R.T. -0.03 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1RE

Tot Ion:128 Resp: 45517
Ion Ratio Lower Upper
128 100
127 52.3 10.2 15.4#
129 78.7 8.3 12.5#



#96
1,2,3-Trichlorobenzene
Concen: 2.151 ug/l
RT: 15.58 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VW007492.D
Acq: 13 Dec 2018 16:54

Tgt Ion:180 Resp: 2534
Ion Ratio Lower Upper
180 100
182 0.0 45.6 136.7#
145 0.0 17.5 52.5#

