

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007794.D
 Acq On : 21 Dec 2018 14:26
 Operator : SY/AP
 Sample : J6426-07
 Misc : 5.13G/5ML/MSVOA W/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

Quant Time: Dec 21 16:50:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	41444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	71923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	34737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8663	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	29159	64.19	ug/l	0.00
Spiked Amount			Recovery	=	128.38%	
35) Dibromofluoromethane	7.88	113	23153	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
50) Toluene-d8	10.34	98	51116	30.90	ug/l	0.01
Spiked Amount			Recovery	=	61.80%	
62) 4-Bromofluorobenzene	12.62	95	13591	21.27	ug/l	0.00
Spiked Amount			Recovery	=	42.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	158	5.156	ug/l #	73
13) Acrolein	4.11	56	33	1.347	ug/l #	1
14) Allyl chloride	4.39	41	2463	4.593	ug/l #	74
15) Acrylonitrile	5.43	53	18162	231.842	ug/l #	39
16) Acetone	4.12	43	623824	7333.784	ug/l	96
18) Methyl Acetate	4.67	43	3652	18.053	ug/l #	86
20) Methylene Chloride	4.93	84	4460	4.782	ug/l #	1
25) 2-Butanone	7.17	43	202001	2027.468	ug/l	95
26) 2,2-Dichloropropane	7.15	77	2364	4.374	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	57193	119.372	ug/l	94
31) Cyclohexane	7.95	56	98639	145.873	ug/l	98
36) 1,1-Dichloropropene	7.95	75	3242	4.670	ug/l #	59
37) Ethyl Acetate	7.17	43	202001	843.170	ug/l #	58
38) Carbon Tetrachloride	7.95	117	4741	5.799	ug/l #	19
39) Methylcyclohexane	9.34	83	150163	174.082	ug/l	96
40) Benzene	8.32	78	27262	14.717	ug/l	98
41) Methacrylonitrile	7.50	41	911	6.698	ug/l #	37
42) 1,2-Dichloroethane	8.40	62	715	1.152	ug/l #	77
43) Isopropyl Acetate	8.42	43	8093	16.861	ug/l #	49
44) Trichloroethene	9.10	130	749	1.337	ug/l	67
45) 1,2-Dichloropropane	9.34	63	1949	4.742	ug/l #	1
48) Methyl methacrylate	9.52	41	4975	20.765	ug/l #	57
51) 4-Methyl-2-Pentanone	10.10	43	47129	207.768	ug/l #	40
52) Toluene	10.40	92	34646252	27876.418	ug/l #	1
53) t-1,3-Dichloropropene	10.40	75	452453	683.849	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	17325	49.668	ug/l #	23
56) Ethyl methacrylate	10.67	69	6831	16.575	ug/l #	26
59) 2-Hexanone	10.94	43	19080	119.604	ug/l #	29
64) Tetrachloroethene	10.87	164	10325	41.975	ug/l	98
65) Chlorobenzene	11.66	112	87473	116.343	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.77	131	436	1.623	ug/l #	37
67) Ethyl Benzene	11.74	91	13457038	10430.332	ug/l	99
68) m/p-Xylenes	11.86	106	20825434	41610.850	ug/l #	1
69) o-Xylene	12.18	106	9163696	19533.108	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

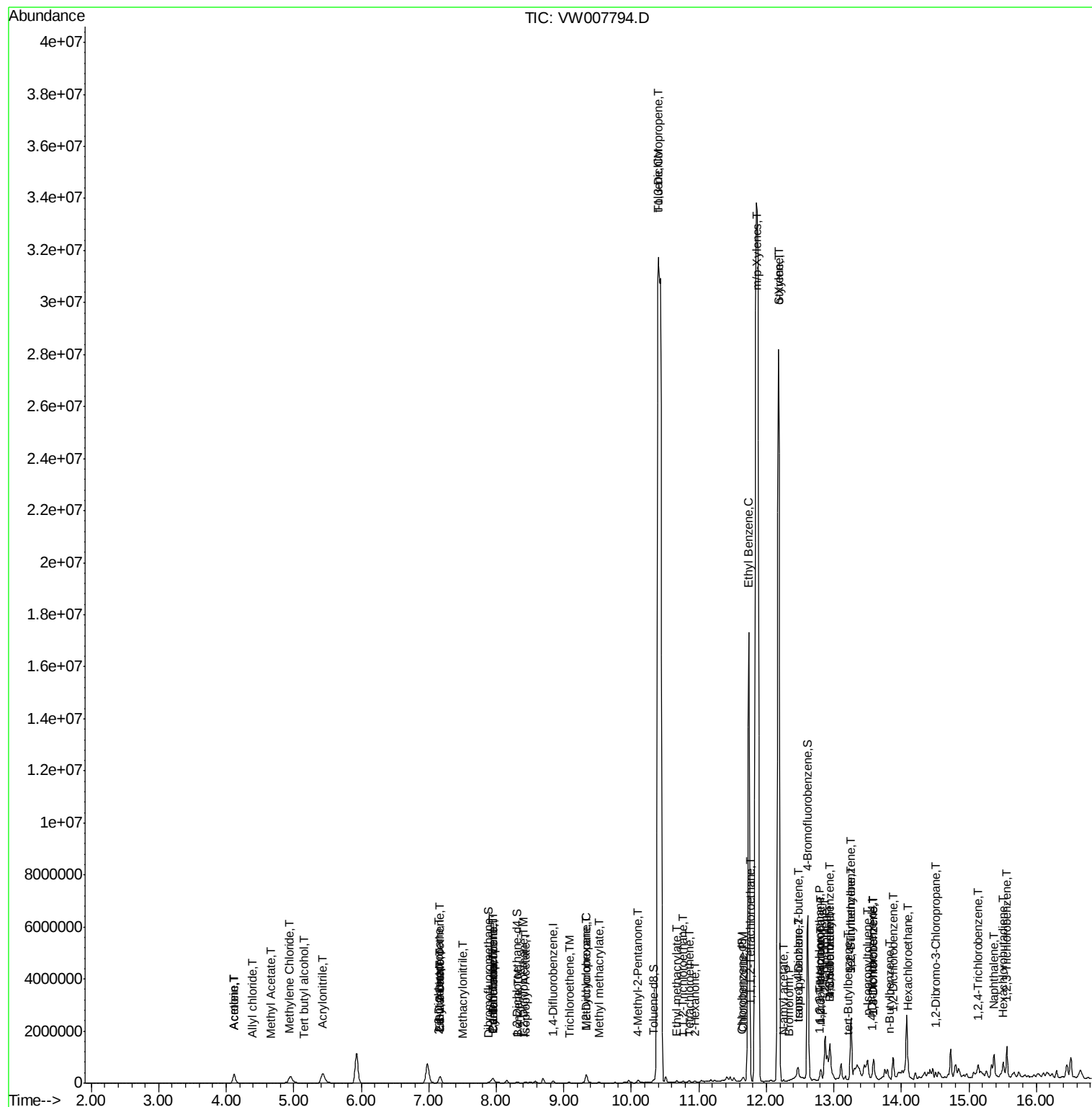
70) Styrene	12.18	104	516245	669.433	ug/l #	1
71) Bromoform	12.33	173	2044	14.656	ug/l #	29
73) Isopropylbenzene	12.47	105	270355	412.865	ug/l	95
74) N-amyl acetate	12.26	43	15338	135.225	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.78	83	6422	65.410	ug/l #	55
76) 1,2,3-Trichloropropane	12.81	75	2835	42.341	ug/l #	100
77) Bromobenzene	12.93	156	760752	5069.322	ug/l #	1
78) n-propylbenzene	12.81	91	335623	440.300	ug/l	98
79) 2-Chlorotoluene	12.87	91	112536	253.429	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.94	105	443607	785.375	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.47	75	10870	340.770	ug/l #	23
82) 4-Chlorotoluene	12.94	91	47728	100.945	ug/l #	42
83) tert-Butylbenzene	13.21	119	9683	19.538	ug/l	77
84) 1,2,4-Trimethylbenzene	13.26	105	1338138	2347.818	ug/l	99
85) sec-Butylbenzene	13.26	105	1338138	1959.134	ug/l #	56
86) p-Isopropyltoluene	13.50	119	239756	386.028	ug/l	98
87) 1,3-Dichlorobenzene	13.58	146	26888	90.240	ug/l	86
88) 1,4-Dichlorobenzene	13.58	146	26888	90.214	ug/l	85
89) n-Butylbenzene	13.83	91	30731	53.965	ug/l #	67
90) Hexachloroethane	14.10	117	19824	181.808	ug/l #	13
91) 1,2-Dichlorobenzene	13.87	146	23169	86.848	ug/l #	79
92) 1,2-Dibromo-3-Chloropropan	14.51	75	244	12.102	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.14	180	137551	742.786	ug/l	89
94) Hexachlorobutadiene	15.50	225	850	8.589	ug/l #	1
95) Naphthalene	15.38	128	775484	2265.038	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	31495	198.686	ug/l #	56

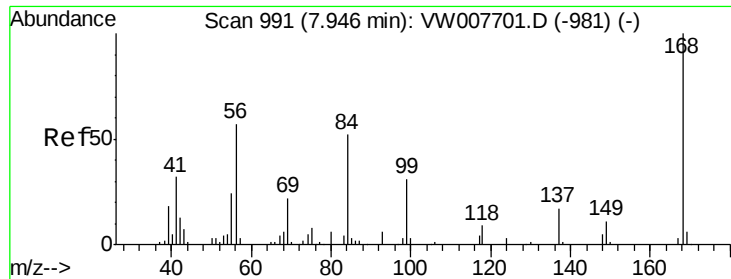
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

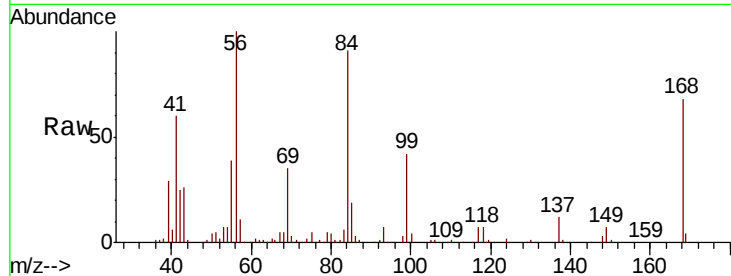
P001-SS013-2430-01

Tot Ion:168 Resp: 41444

Ion Ratio Lower Upper

168 100

99 61.9 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

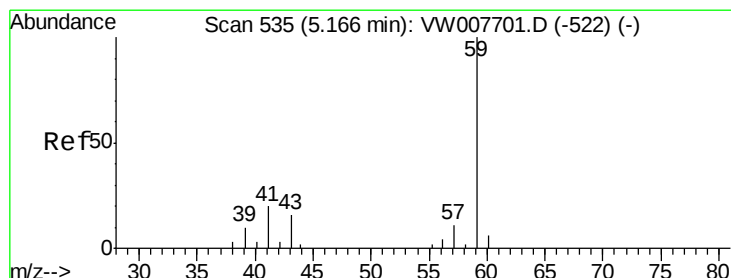
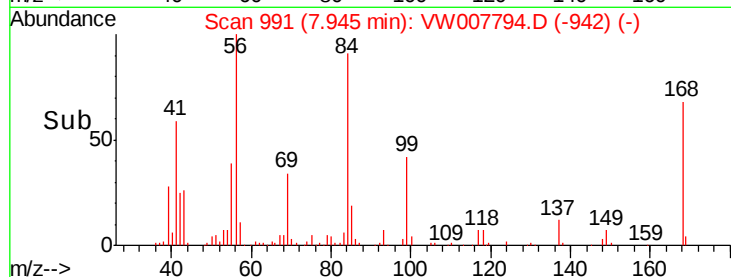
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 5.156 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW007794.D

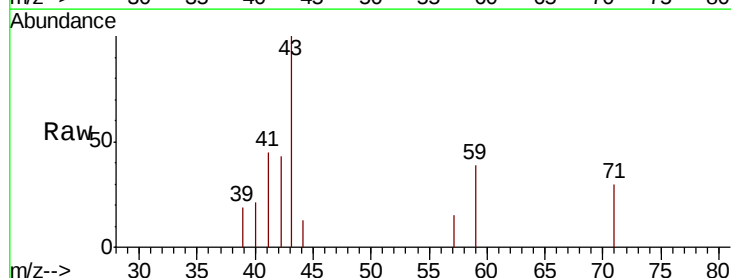
Acq: 21 Dec 2018 14:26

Tgt Ion: 59 Resp: 158

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

200

150

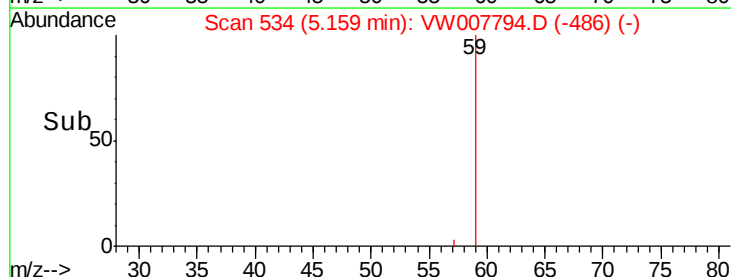
100

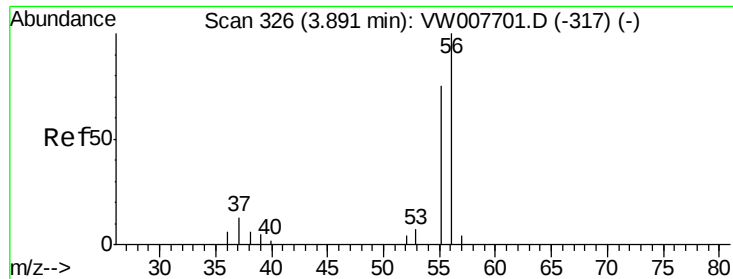
50

0

5.12 5.14 5.16

Time-->





#13

Acrolein

Concen: 1.347 ug/l

RT: 4.11 min Scan# 362

Delta R.T. 0.22 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

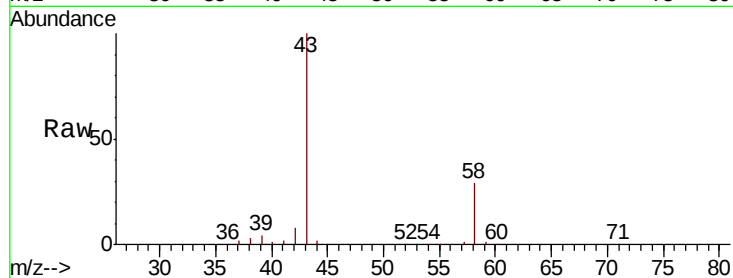
P001-SS013-2430-01

Tot Ion: 56 Resp: 33

Ion Ratio Lower Upper

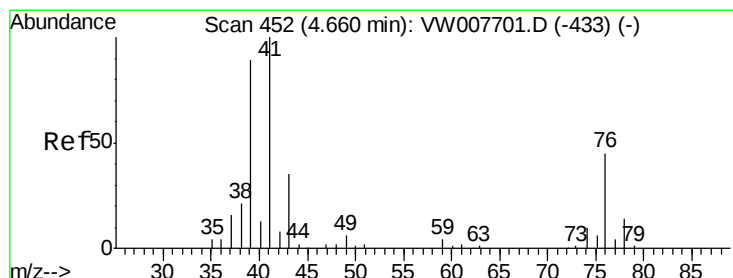
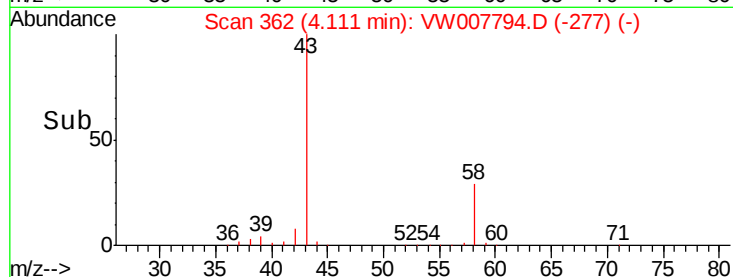
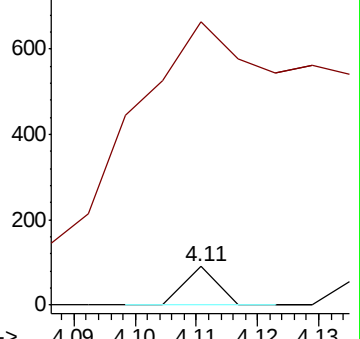
56 100

55 5566.7 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 4.593 ug/l

RT: 4.39 min Scan# 408

Delta R.T. -0.27 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

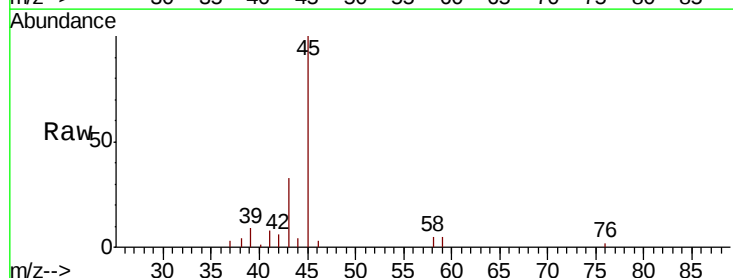
Tgt Ion: 41 Resp: 2463

Ion Ratio Lower Upper

41 100

39 82.8 69.5 104.3

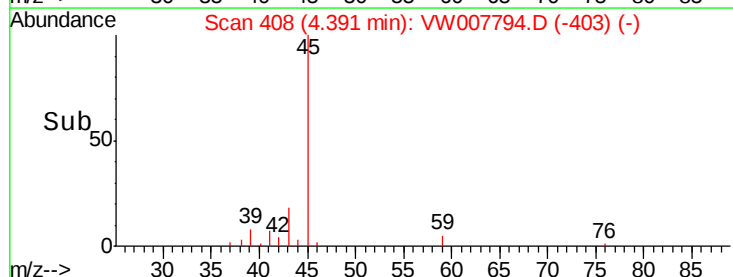
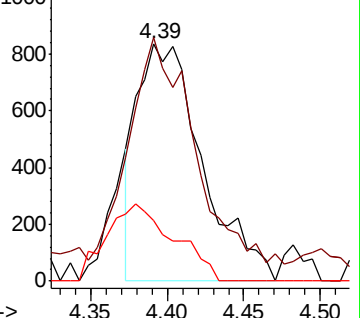
76 0.0 34.8 52.2#

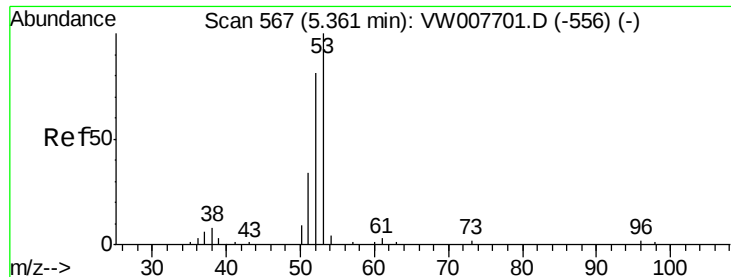


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 231.842 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

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ClientSampleId :

P001-SS013-2430-01

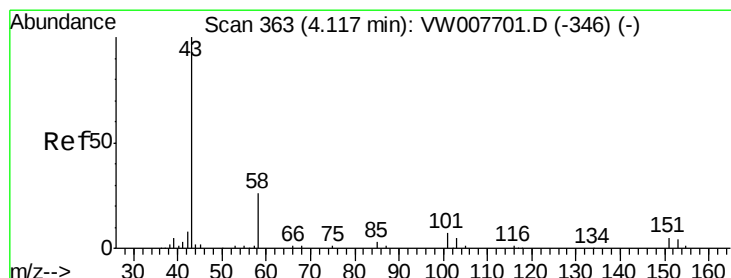
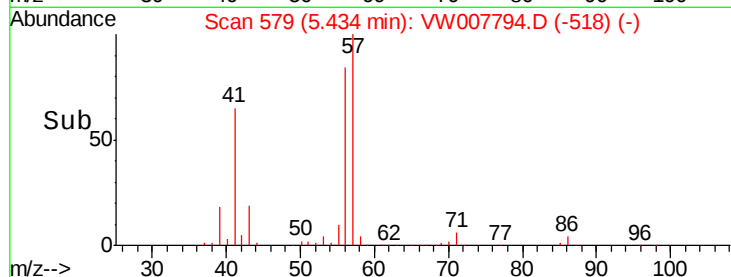
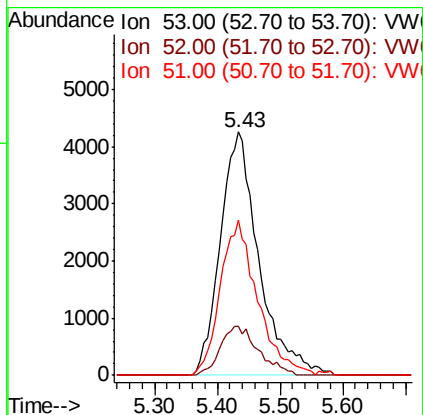
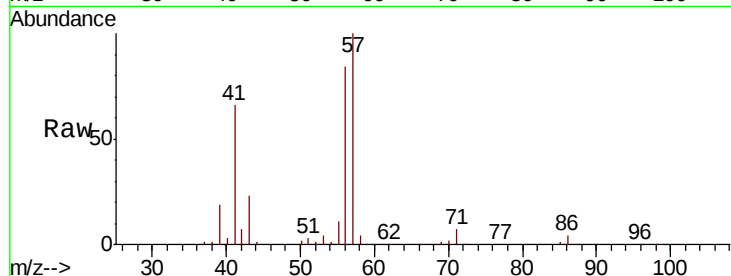
Tot Ion: 53 Resp: 18162

Ion Ratio Lower Upper

53 100

52 19.8 67.0 100.4#

51 61.4 30.2 45.2#



#16

Acetone

Concen: 7333.784 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007794.D

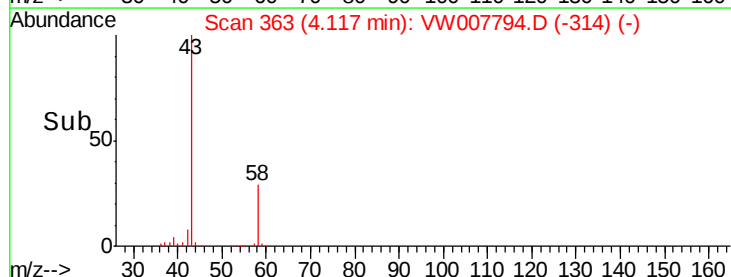
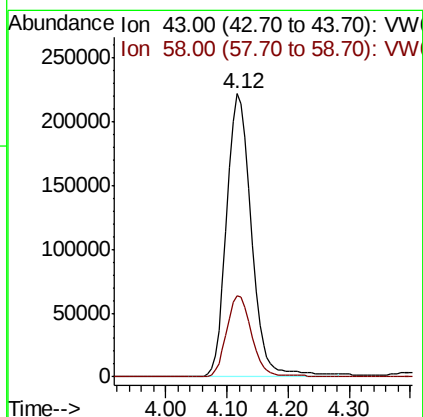
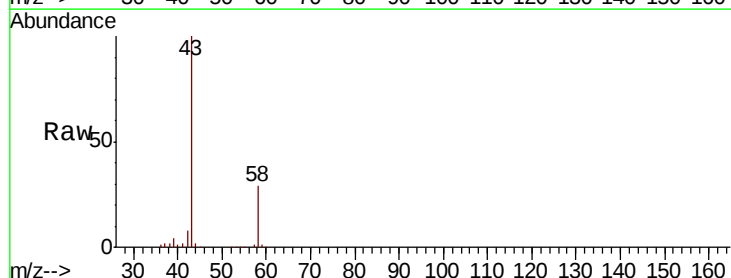
Acq: 21 Dec 2018 14:26

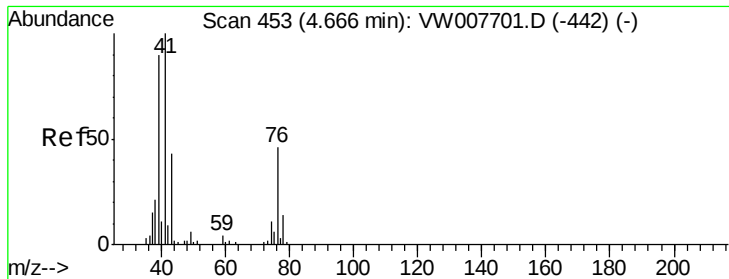
Tgt Ion: 43 Resp: 623824

Ion Ratio Lower Upper

43 100

58 28.7 21.2 31.8





#18

Methyl Acetate

Concen: 18.053 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

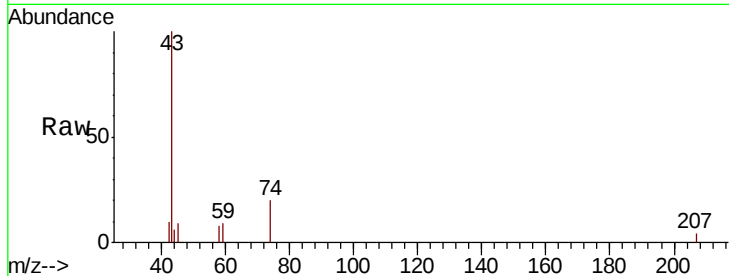
P001-SS013-2430-01

Tot Ion: 43 Resp: 3652

Ion Ratio Lower Upper

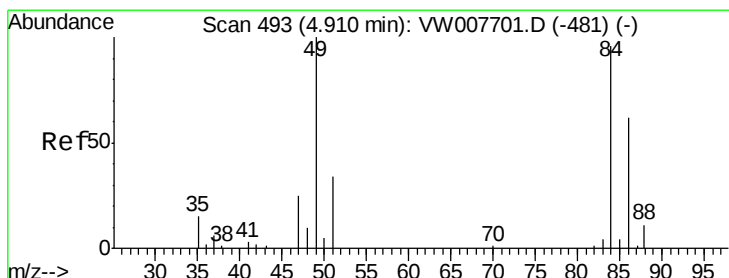
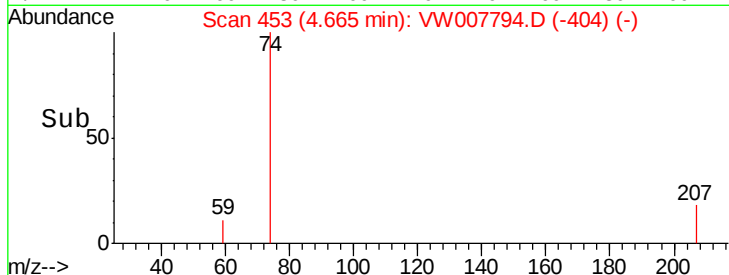
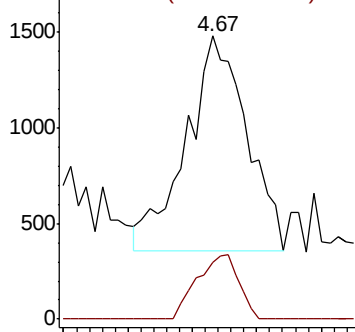
43 100

74 20.9 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#20

Methylene Chloride

Concen: 4.782 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.02 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Tgt Ion: 84 Resp: 4460

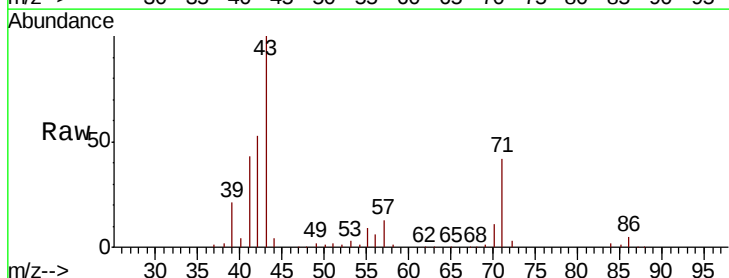
Ion Ratio Lower Upper

84 100

49 96.3 83.7 125.5

51 111.2 28.2 42.2#

86 266.9 52.2 78.2#

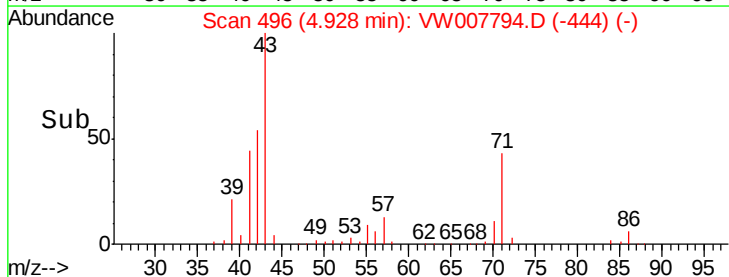
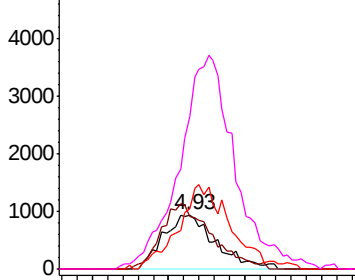


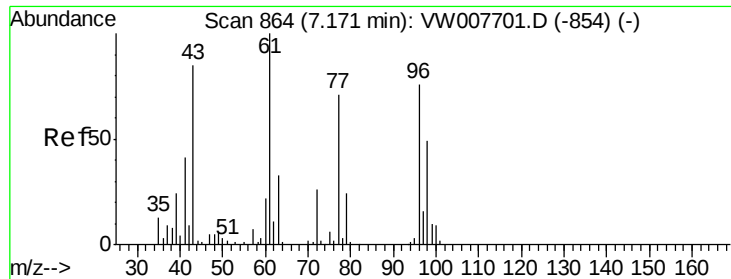
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

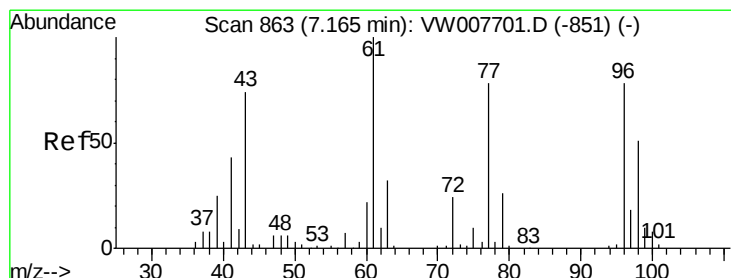
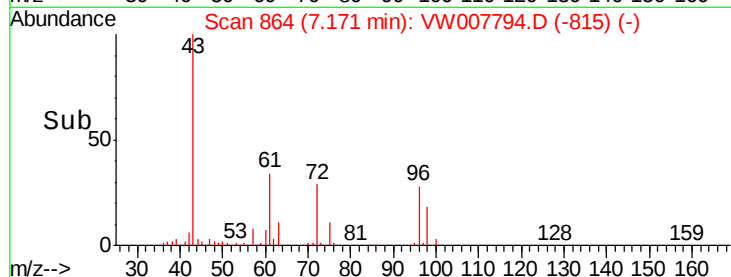
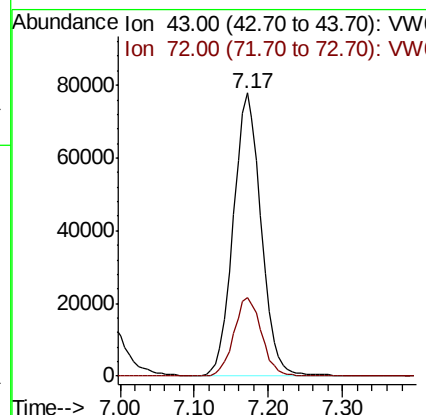
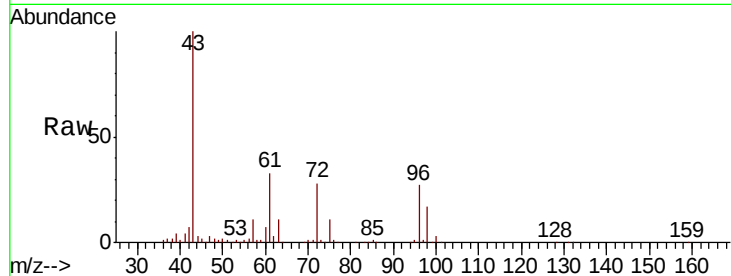




#25
2-Butanone
Concen: 2027.468 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

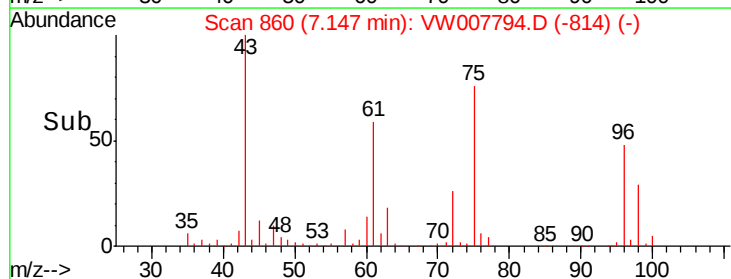
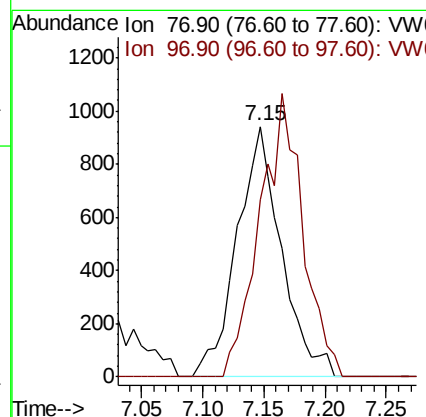
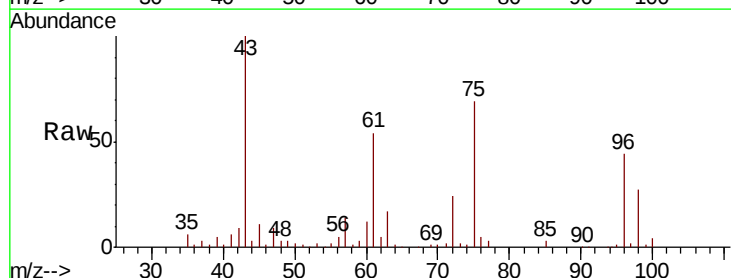
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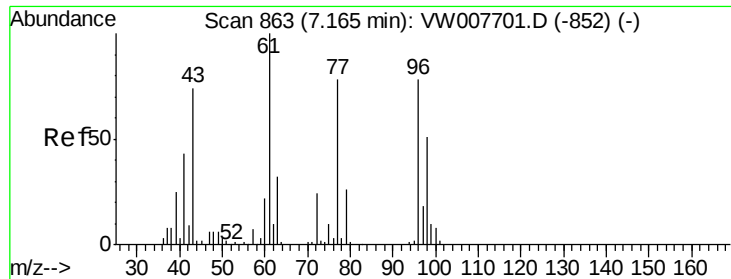
Tot Ion: 43 Resp: 202001
Ion Ratio Lower Upper
43 100
72 28.0 24.5 36.7



#26
2,2-Dichloropropane
Concen: 4.374 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion: 77 Resp: 2364
Ion Ratio Lower Upper
77 100
97 109.2 11.3 33.9#



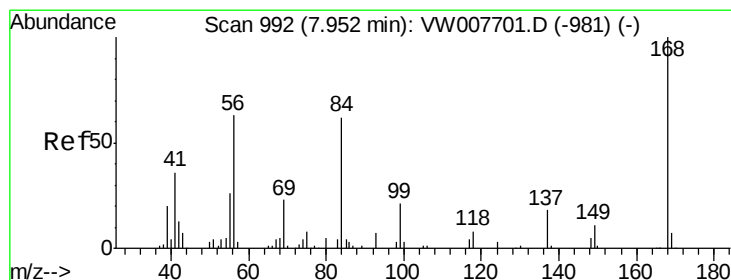
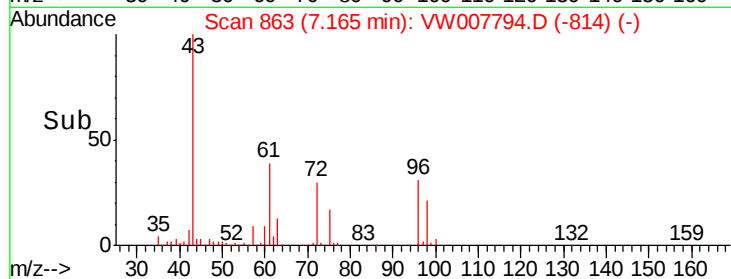
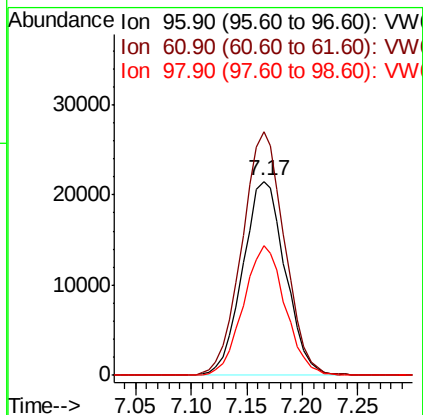
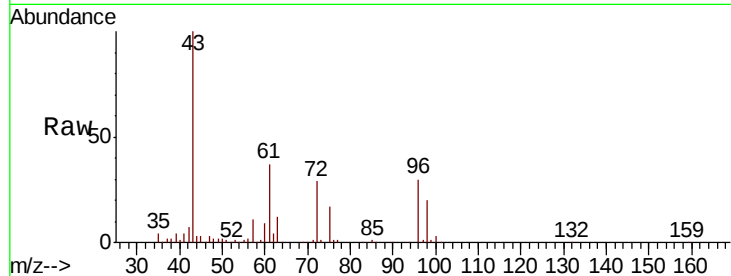


#27

cis-1,2-Dichloroethene
Concen: 119.372 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

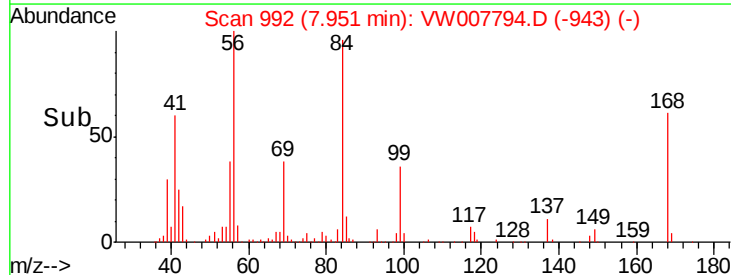
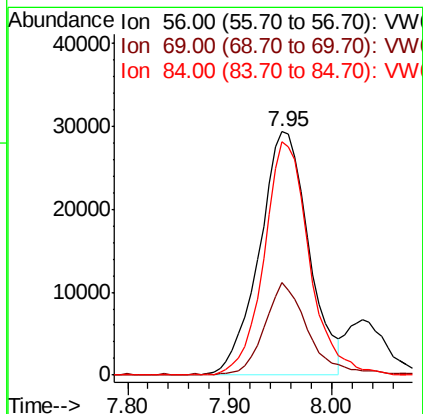
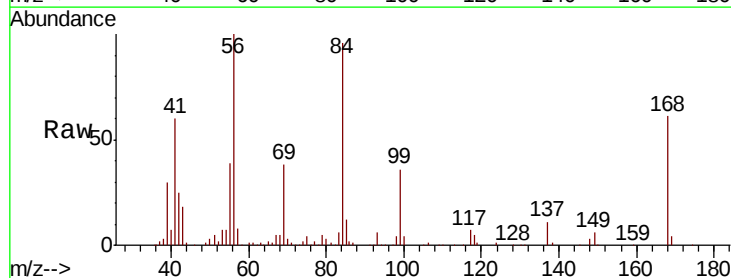
Tot Ion: 96 Resp: 57193
Ion Ratio Lower Upper
96 100
61 125.3 0.0 271.6
98 65.5 0.0 131.2

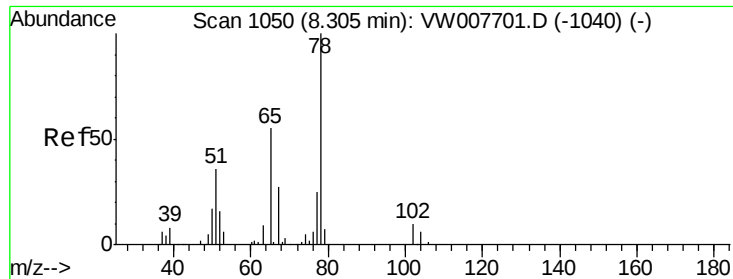


#31

Cyclohexane
Concen: 145.873 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion: 56 Resp: 98639
Ion Ratio Lower Upper
56 100
69 37.7 29.7 44.5
84 96.0 78.9 118.3

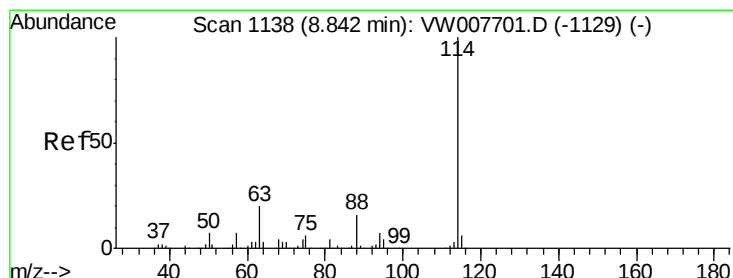
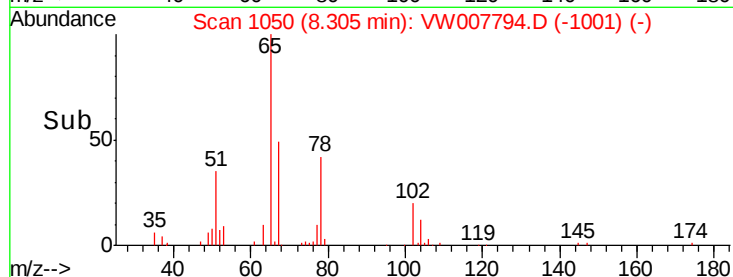
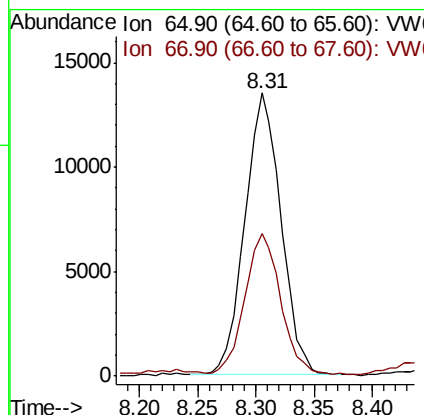
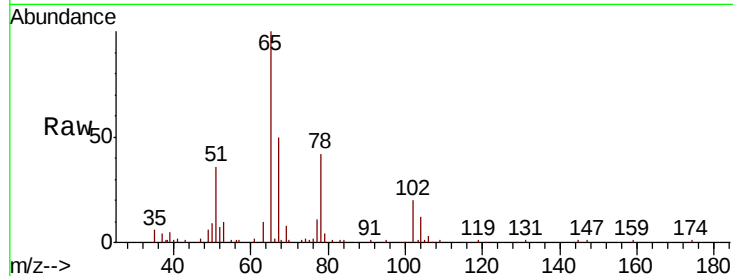




#33
 1,2-Dichloroethane-d4
 Concen: 64.192 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

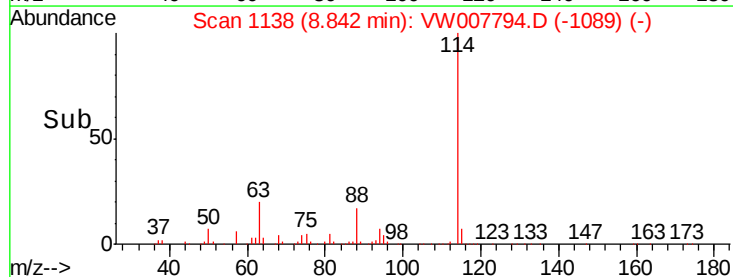
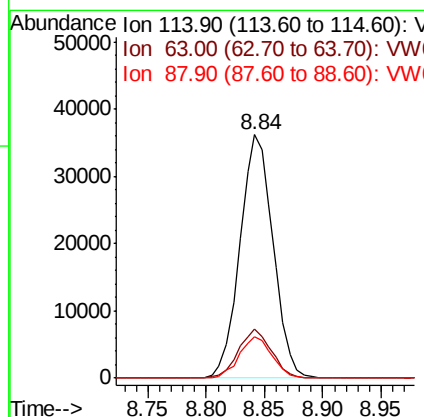
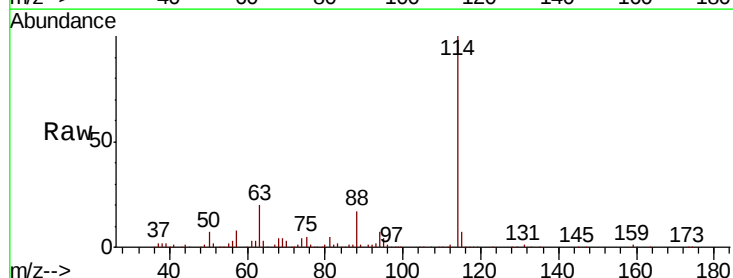
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

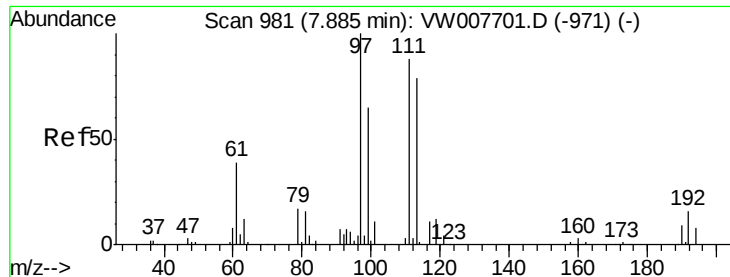
Tot Ion: 65 Resp: 29159
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Tgt Ion: 114 Resp: 71923
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.768 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

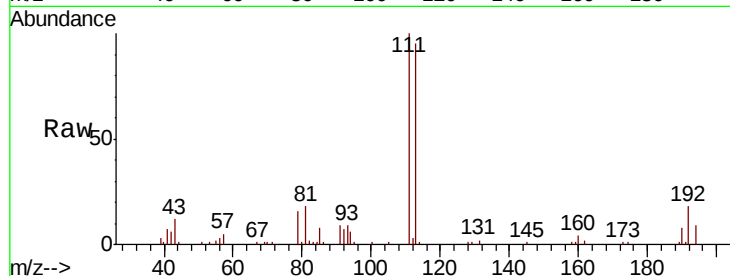
Tot Ion:113 Resp: 23153

Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

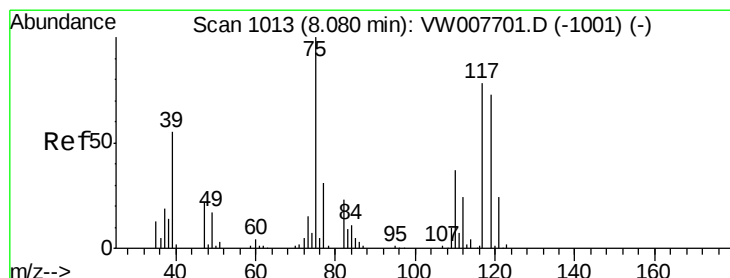
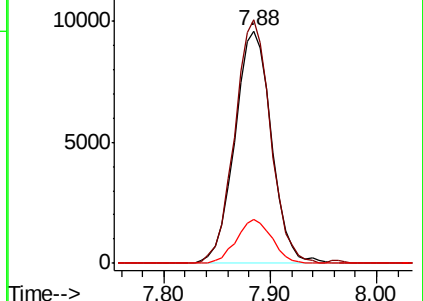
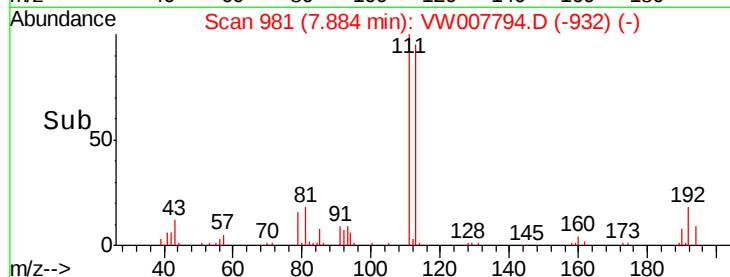
192 18.3 15.5 23.3



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: 4.670 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

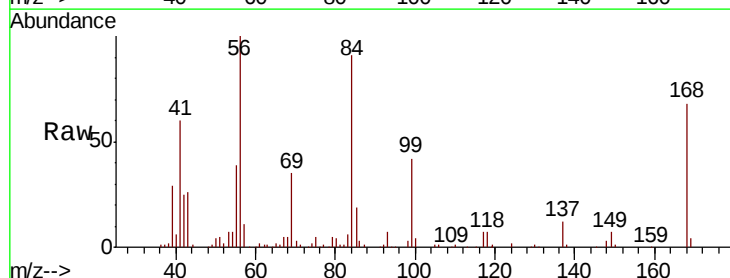
Tgt Ion: 75 Resp: 3242

Ion Ratio Lower Upper

75 100

110 12.5 18.6 55.8#

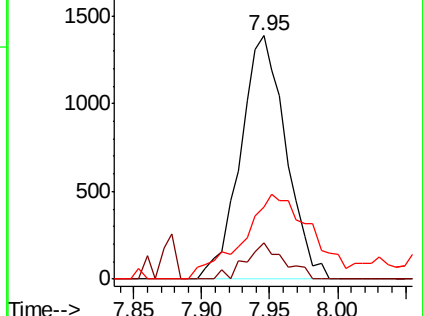
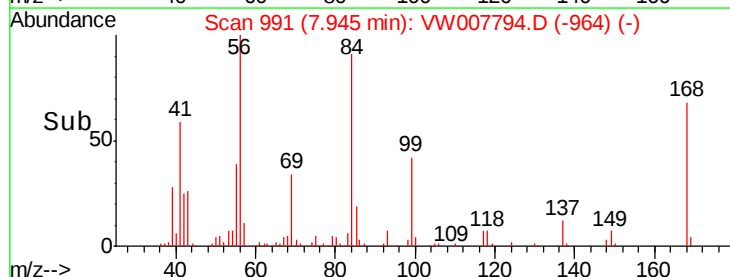
77 53.0 25.0 37.4#

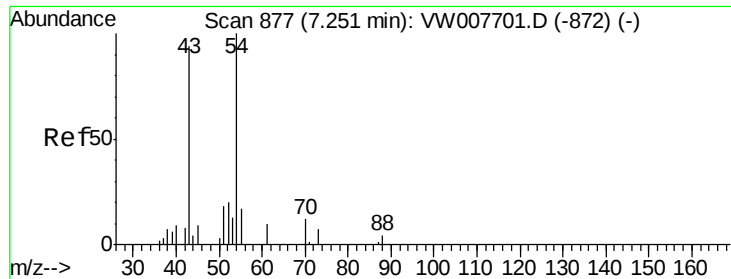


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 843.170 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

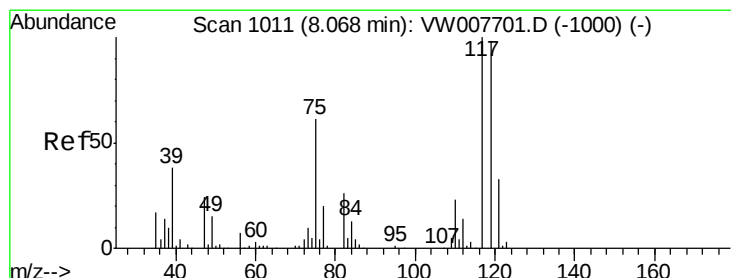
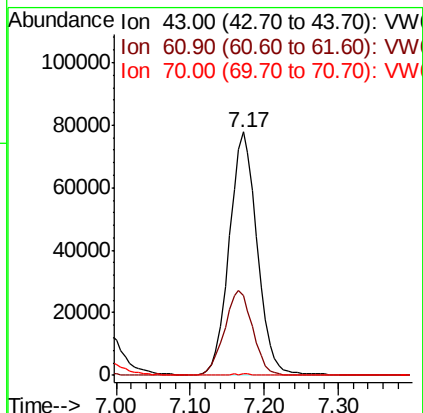
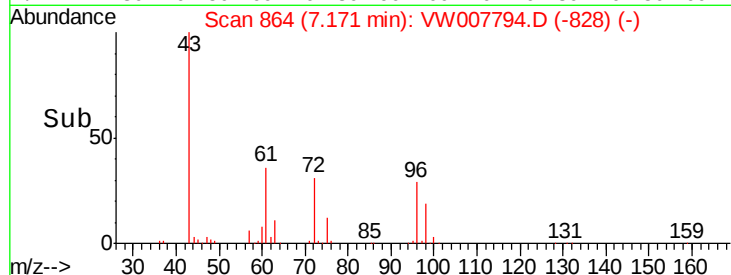
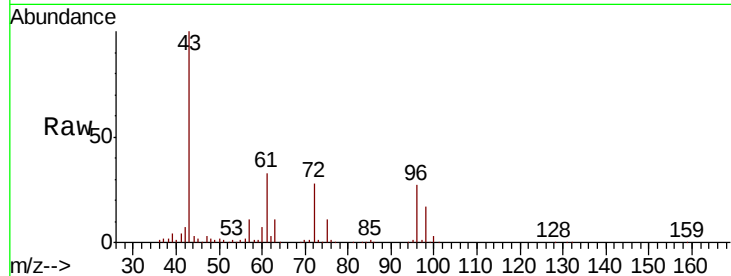
Tot Ion: 43 Resp: 202001

Ion Ratio Lower Upper

43 100

61 35.5 11.2 16.8#

70 0.6 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 5.799 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

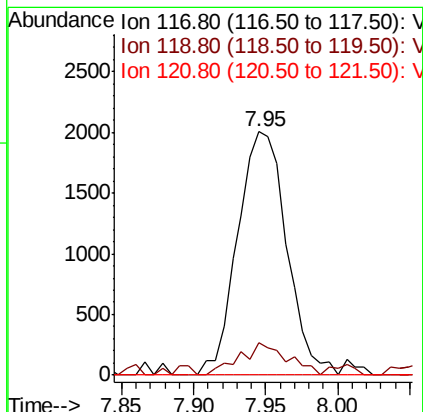
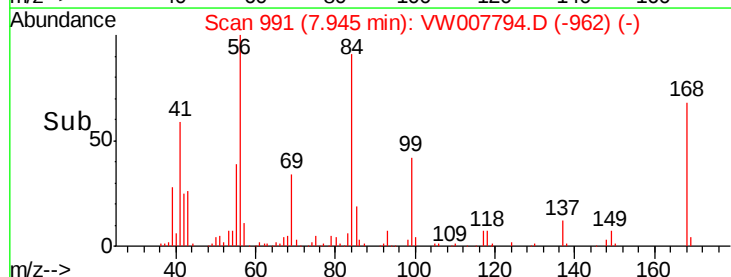
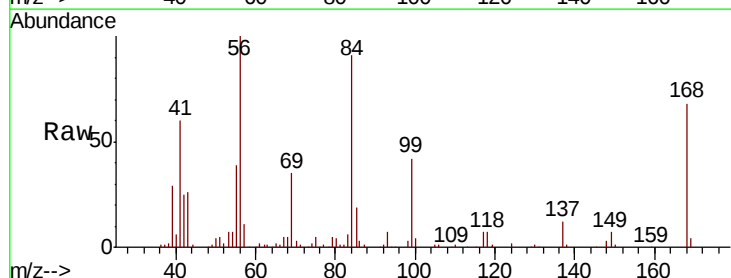
Tgt Ion: 117 Resp: 4741

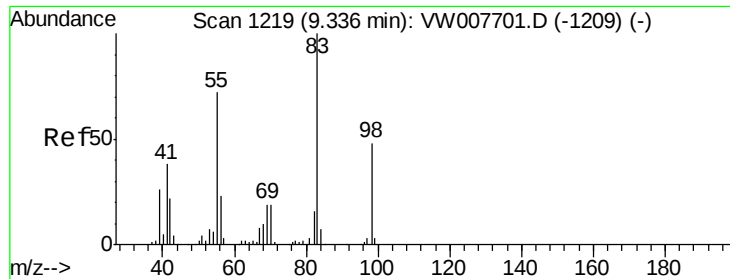
Ion Ratio Lower Upper

117 100

119 10.2 78.2 117.2#

121 0.0 26.1 39.1#

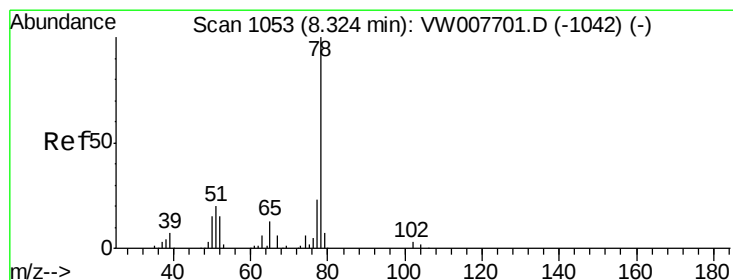
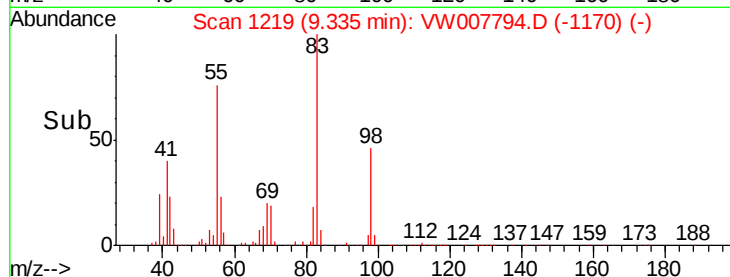
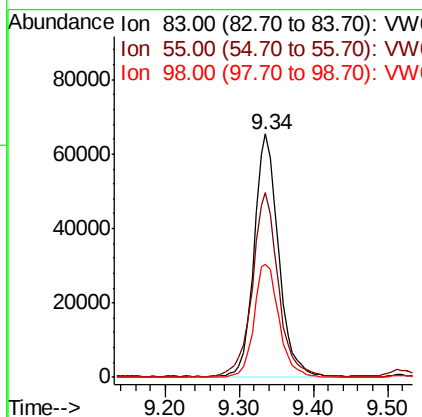
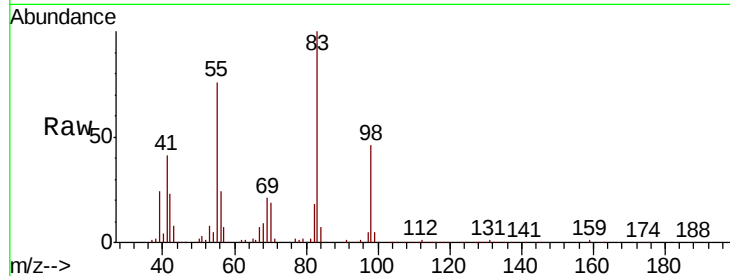




#39
Methvlcvclohexane
Concen: 174.082 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

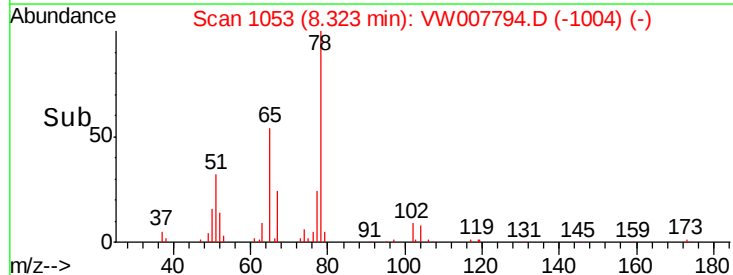
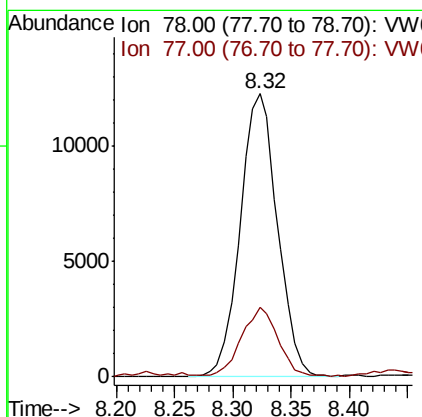
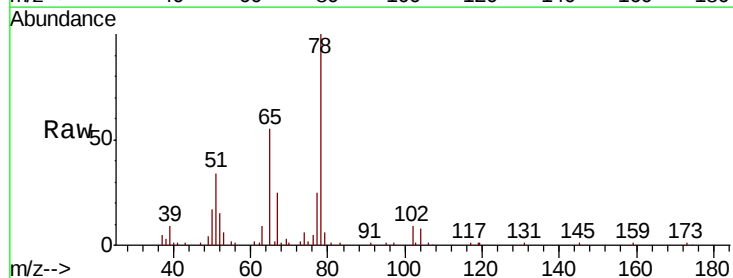
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

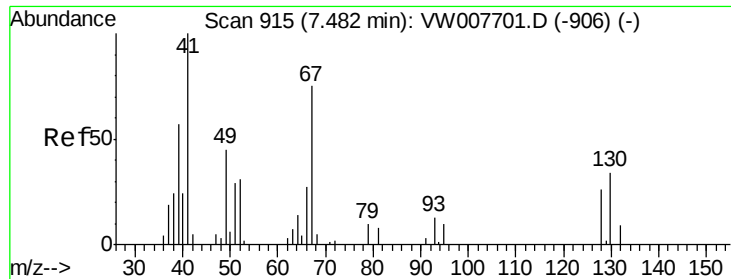
Tot Ion: 83 Resp: 150163
Ion Ratio Lower Upper
83 100
55 75.4 57.2 85.8
98 46.3 38.6 58.0



#40
Benzene
Concen: 14.717 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion: 78 Resp: 27262
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1

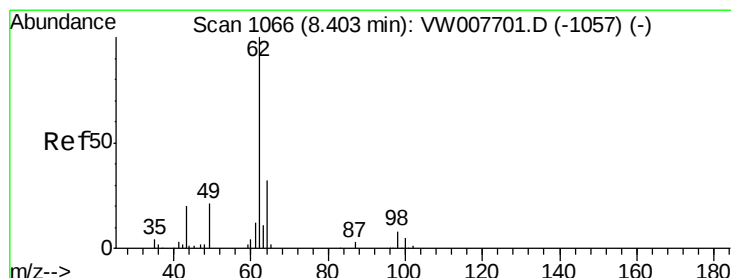
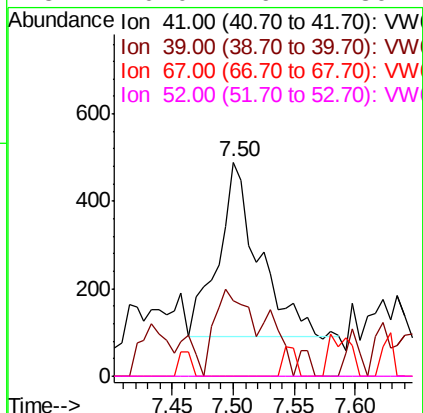
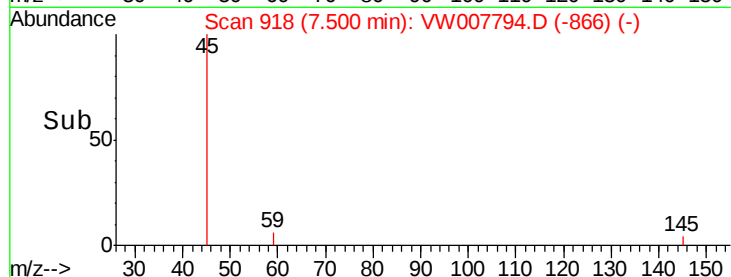
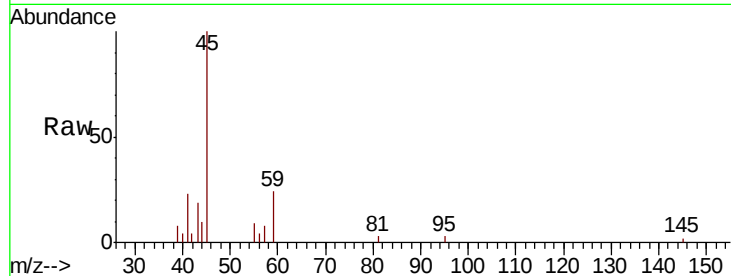




#41
Methacrylonitrile
Concen: 6.698 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.02 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

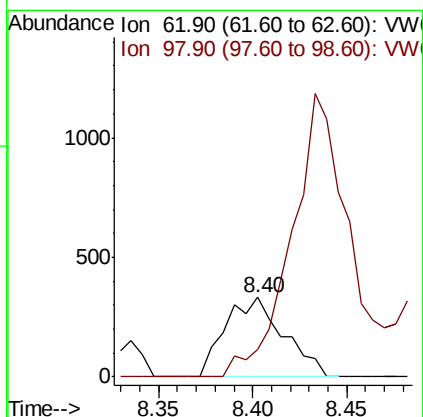
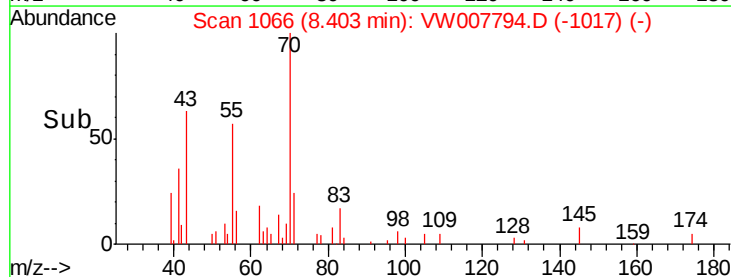
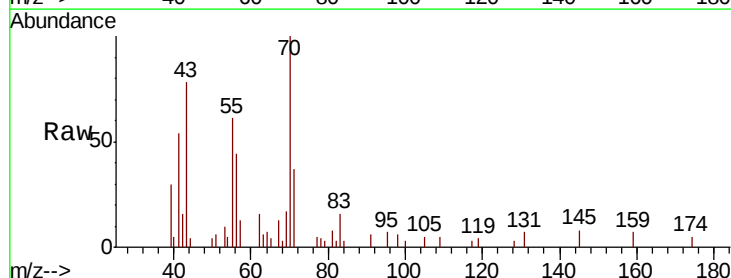
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

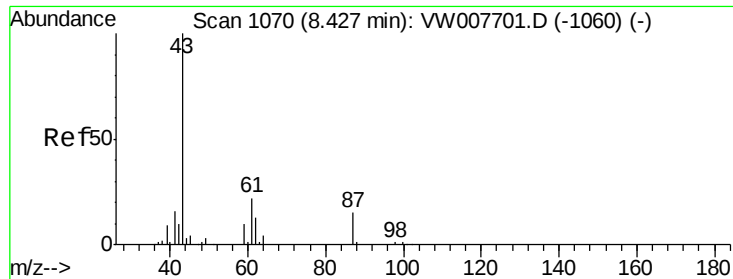
Tot Ion: 41 Resp: 911
Ion Ratio Lower Upper
41 100
39 42.5 54.2 81.4#
67 0.0 65.7 98.5#
52 0.0 26.2 39.4#



#42
1,2-Dichloroethane
Concen: 1.152 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion: 62 Resp: 715
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 16.861 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

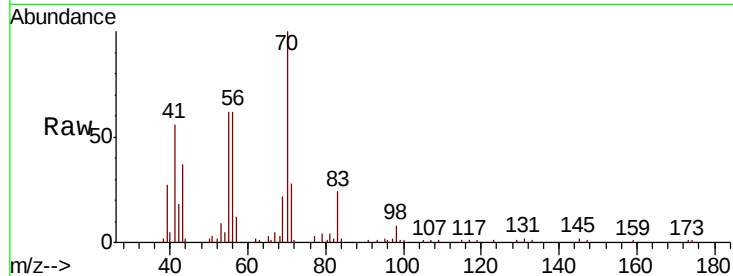
Tot Ion: 43 Resp: 8093

Ion Ratio Lower Upper

43 100

61 0.0 26.3 39.5#

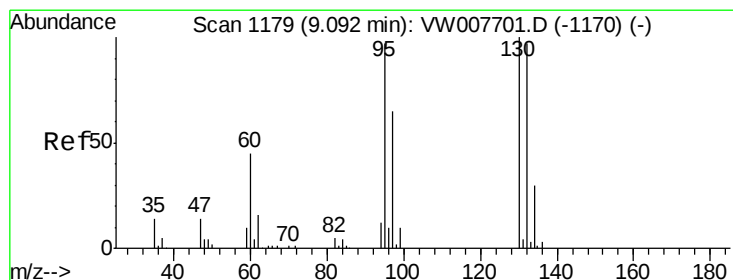
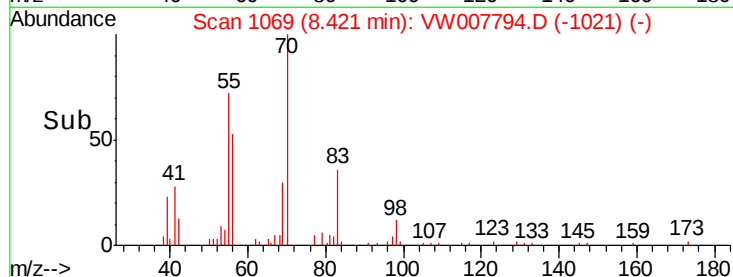
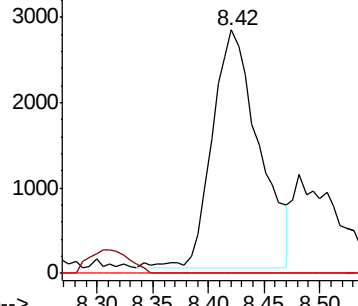
87 0.0 12.0 18.0#



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



#44

Trichloroethene

Concen: 1.337 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007794.D

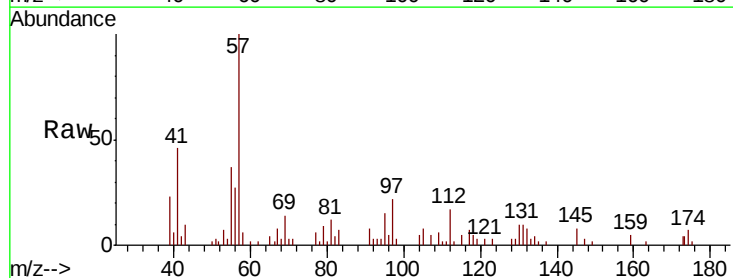
Acq: 21 Dec 2018 14:26

Tgt Ion: 130 Resp: 749

Ion Ratio Lower Upper

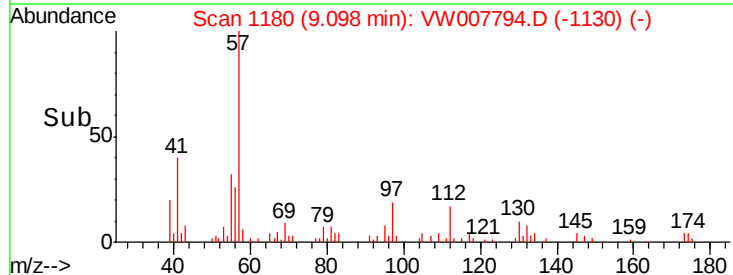
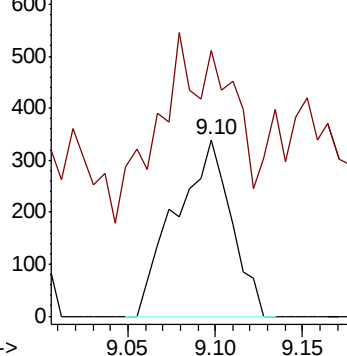
130 100

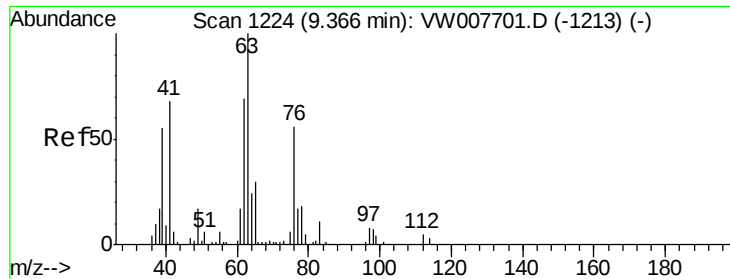
95 65.3 0.0 194.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 4.742 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

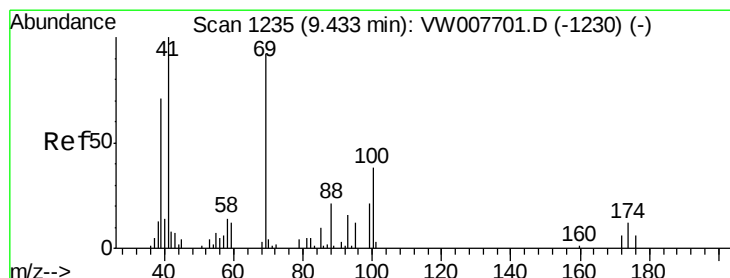
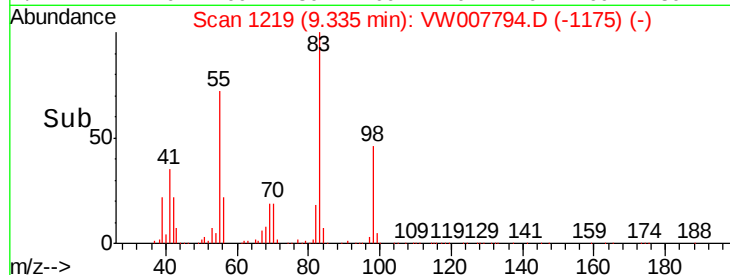
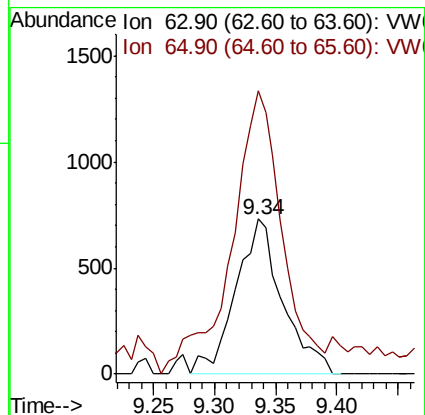
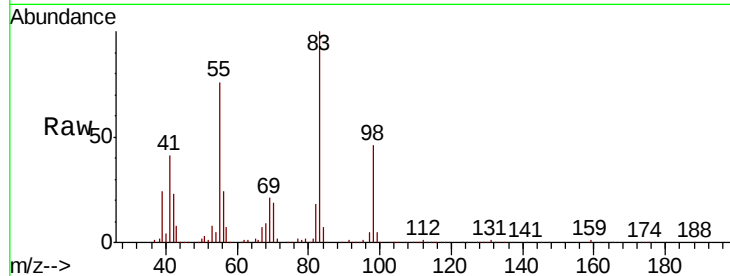
P001-SS013-2430-01

Tot Ion: 63 Resp: 1949

Ion Ratio Lower Upper

63 100

65 163.7 23.8 35.8#



#48

Methyl methacrylate

Concen: 20.765 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.09 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

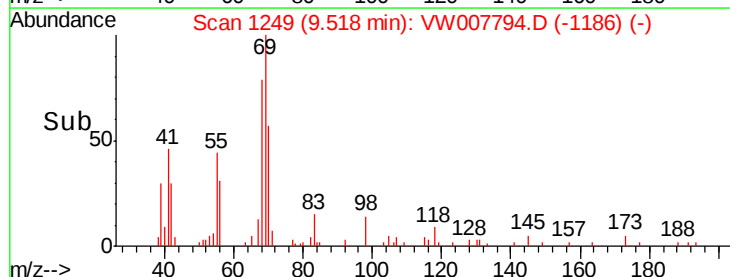
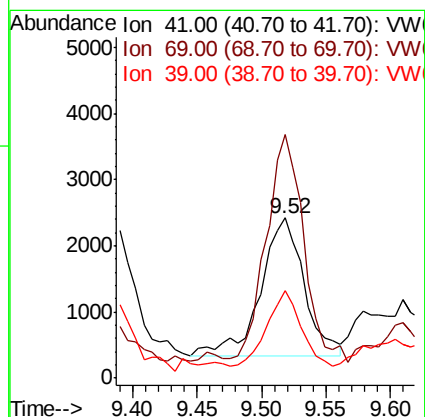
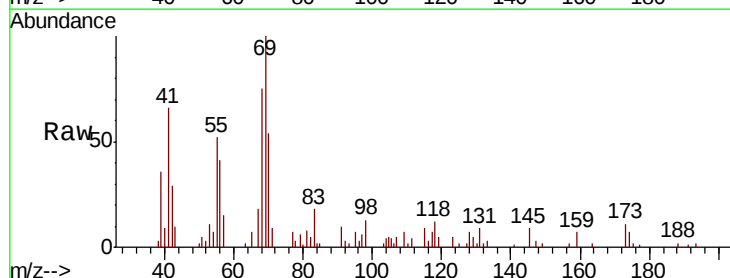
Tgt Ion: 41 Resp: 4975

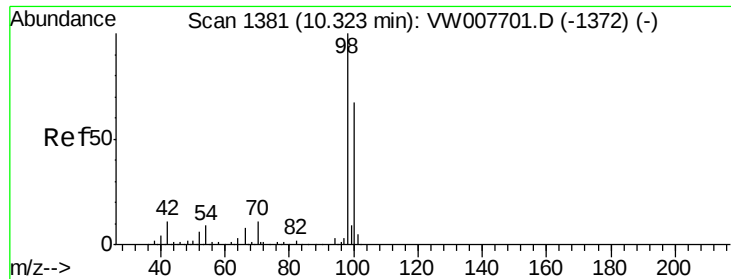
Ion Ratio Lower Upper

41 100

69 140.9 74.2 111.2#

39 41.7 53.9 80.9#





#50

Toluene-d8

Concen: 30.903 ug/l

RT: 10.34 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

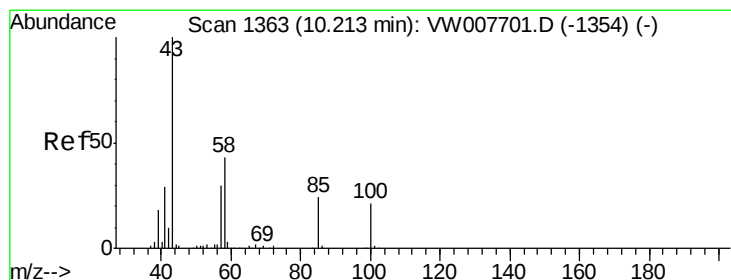
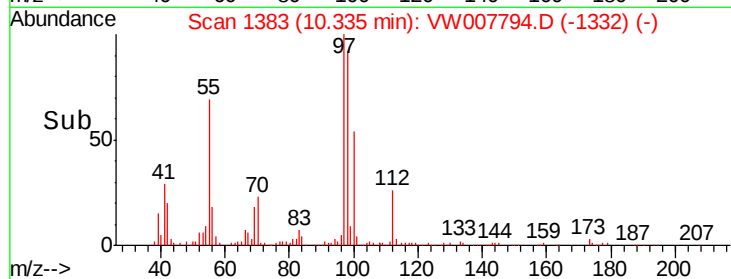
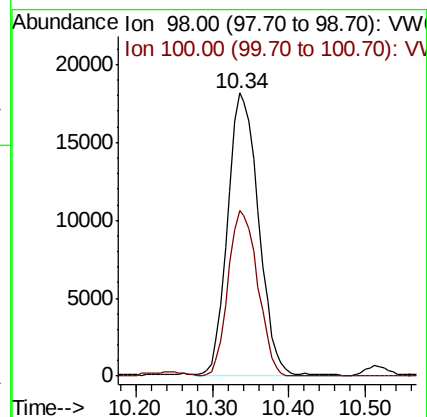
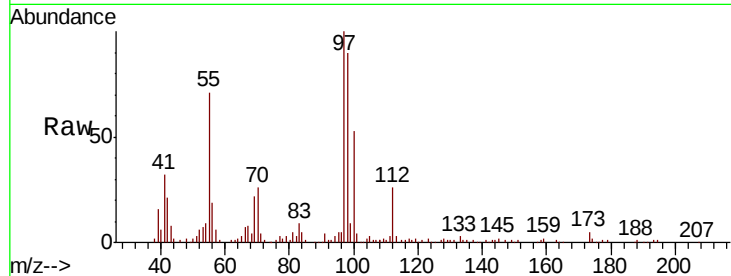
P001-SS013-2430-01

Tot Ion: 98 Resp: 51116

Ion Ratio Lower Upper

98 100

100 55.5 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 207.768 ug/l

RT: 10.10 min Scan# 1344

Delta R.T. -0.12 min

Lab File: VW007794.D

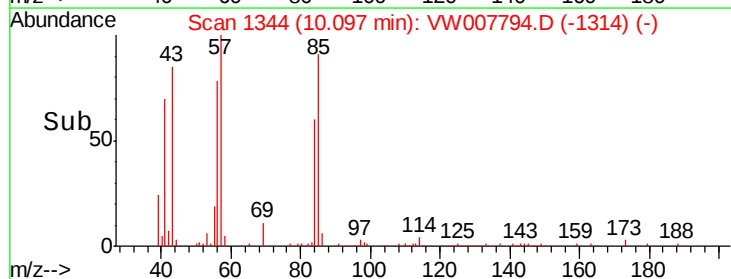
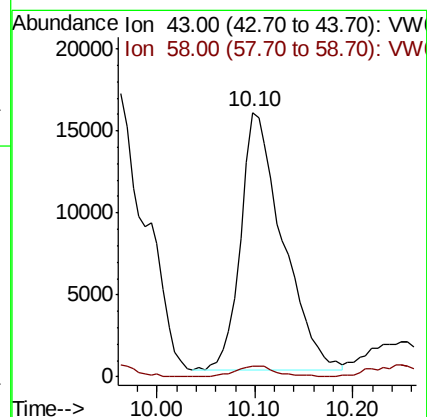
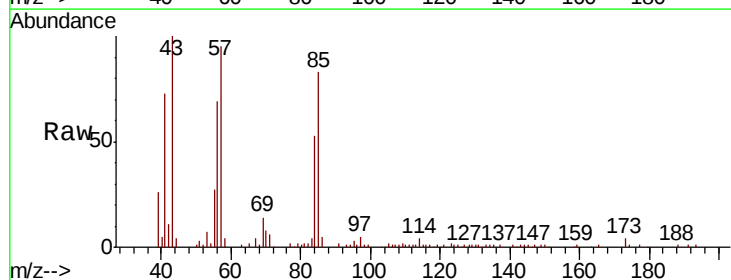
Acq: 21 Dec 2018 14:26

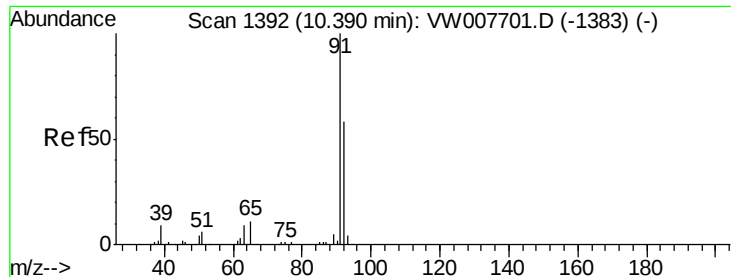
Tgt Ion: 43 Resp: 47129

Ion Ratio Lower Upper

43 100

58 4.1 33.2 49.8#





#52

Toluene

Concen: 27876.418 ug/l

RT: 10.40 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

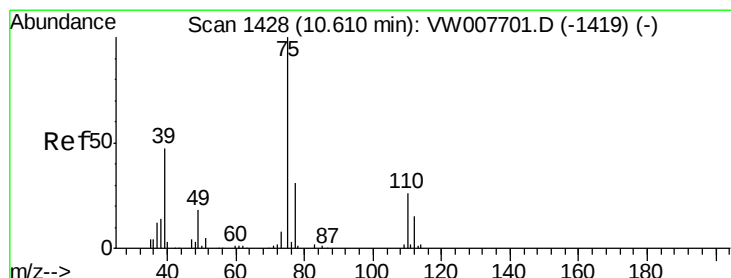
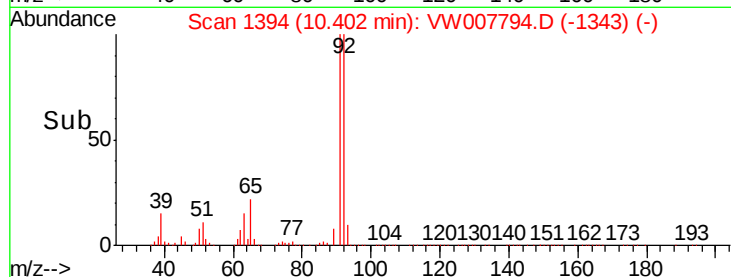
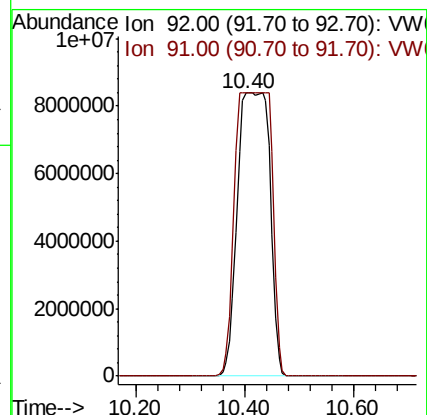
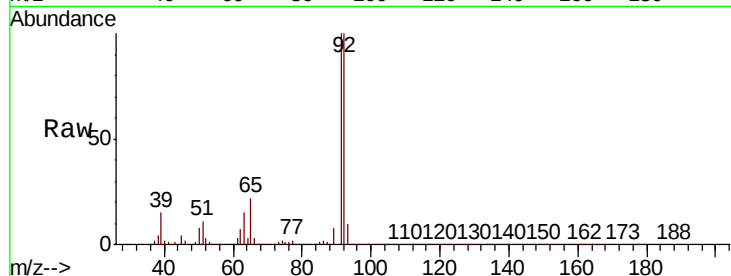
P001-SS013-2430-01

Tot Ion: 92 Resp: 34646252

Ion Ratio Lower Upper

92 100

91 0.0 137.0 205.4#



#53

t-1,3-Dichloropropene

Concen: 683.849 ug/l

RT: 10.40 min Scan# 1394

Delta R.T. -0.21 min

Lab File: VW007794.D

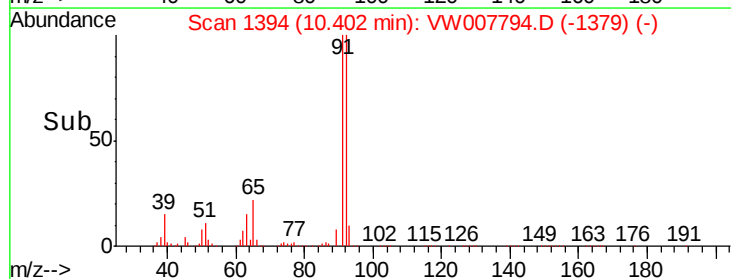
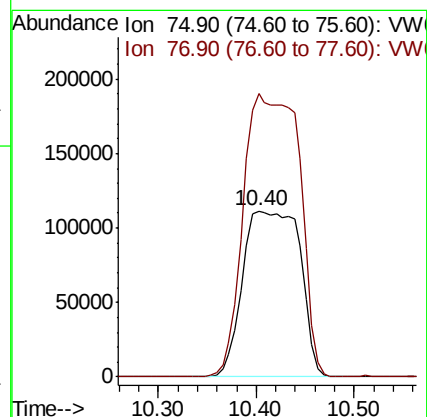
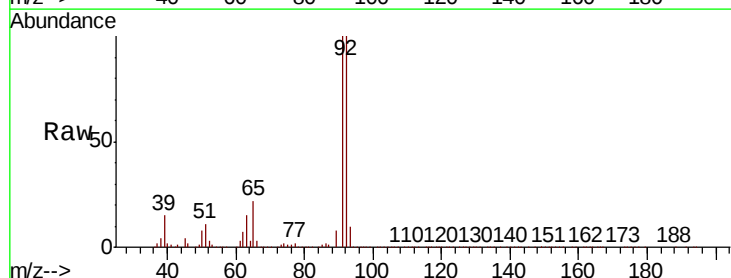
Acq: 21 Dec 2018 14:26

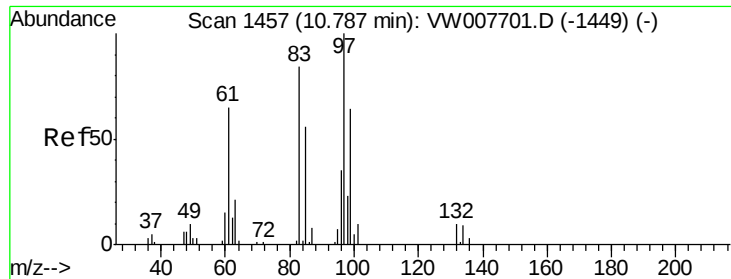
Tgt Ion: 75 Resp: 452453

Ion Ratio Lower Upper

75 100

77 170.2 25.2 37.8#

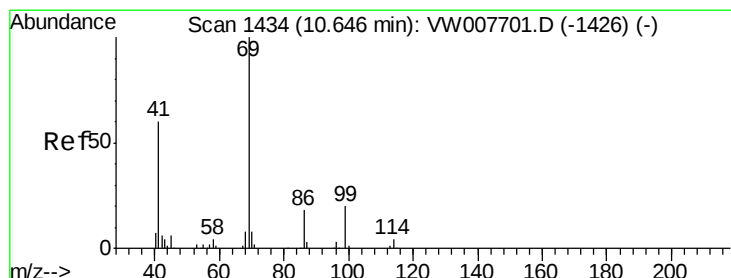
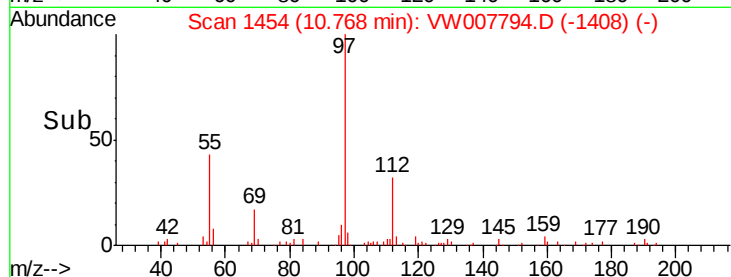
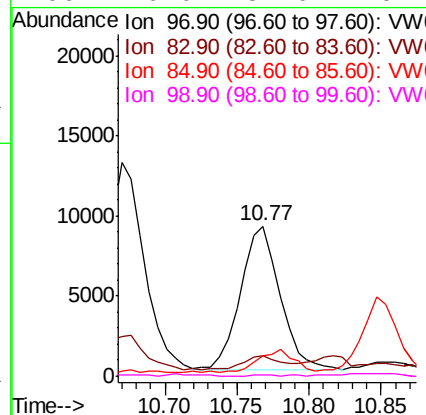
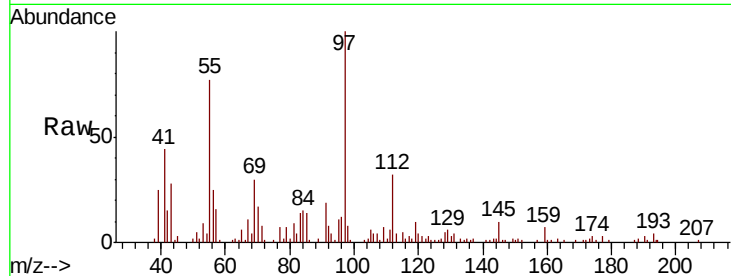




#55
 1,1,2-Trichloroethane
 Concen: 49.668 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

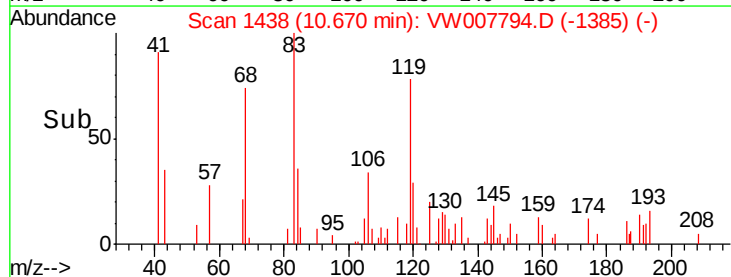
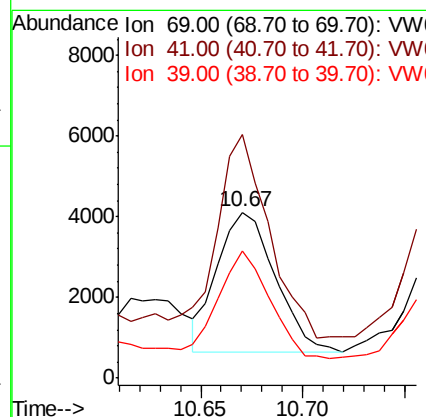
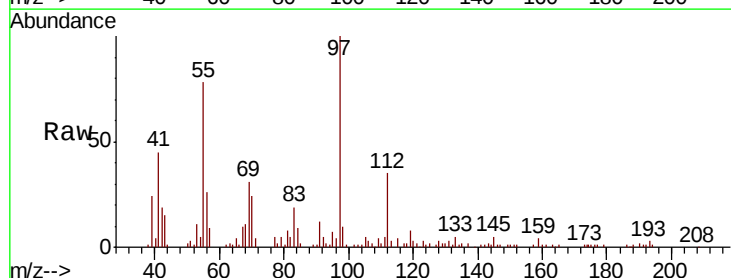
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

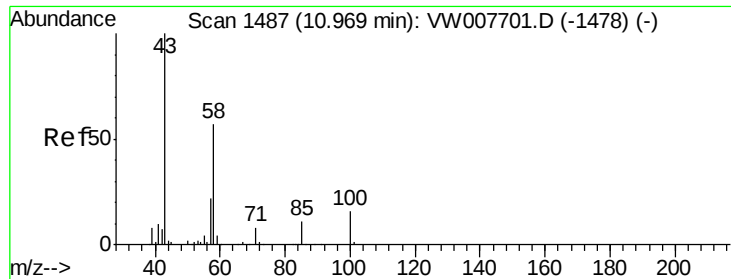
Tot Ion	97	Resp	17325
Ion Ratio	Lower	Upper	
97	100		
83	8.8	67.5	101.3#
85	10.7	44.8	67.2#
99	0.0	51.0	76.4#



#56
 Ethyl methacrylate
 Concen: 16.575 ug/l
 RT: 10.67 min Scan# 1438
 Delta R.T. 0.02 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Tgt Ion	69	Resp	6831
Ion Ratio	Lower	Upper	
69	100		
41	0.0	48.9	73.3#
39	0.0	31.3	46.9#





#59

2-Hexanone

Concen: 119.604 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

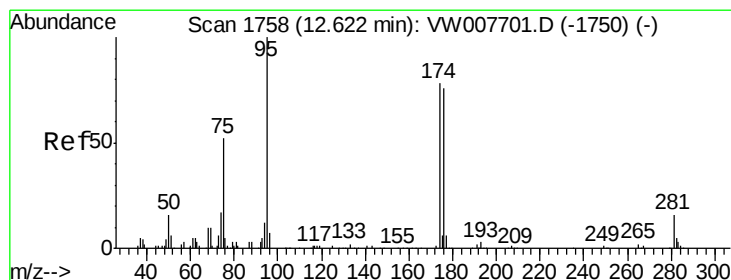
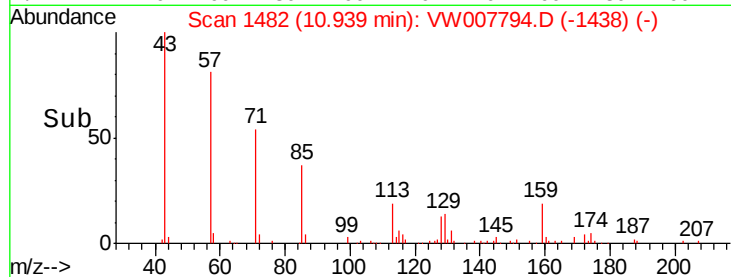
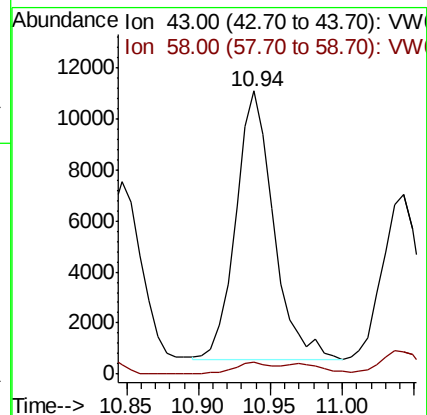
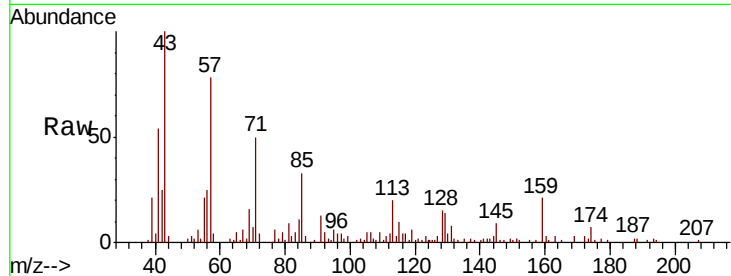
P001-SS013-2430-01

Tot Ion: 43 Resp: 19080

Ion Ratio Lower Upper

43 100

58 4.2 27.7 83.1#



#62

4-Bromofluorobenzene

Concen: 21.269 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

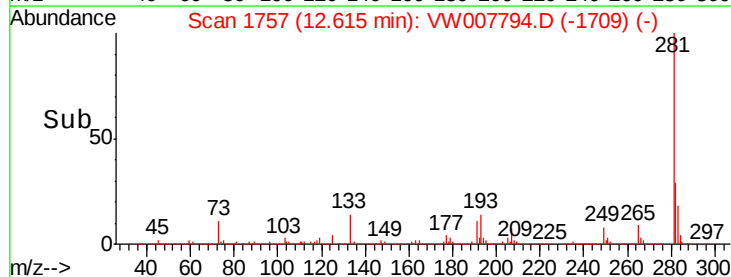
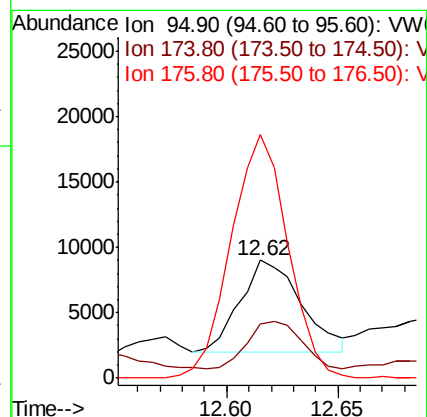
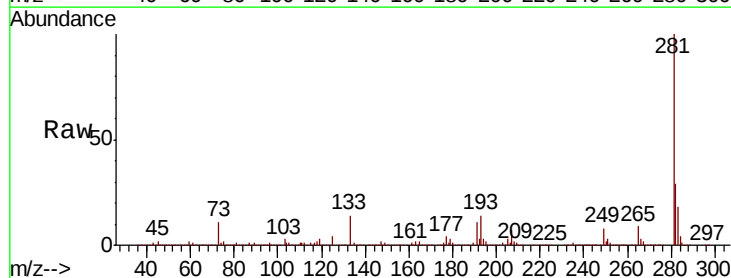
Tgt Ion: 95 Resp: 13591

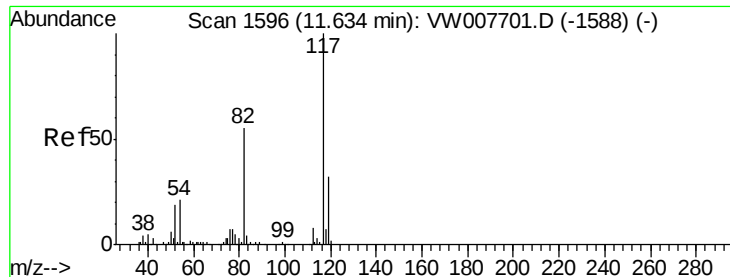
Ion Ratio Lower Upper

95 100

174 48.1 0.0 152.2

176 243.1 0.0 146.8#

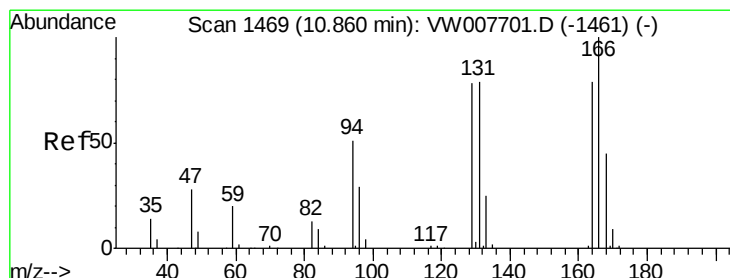
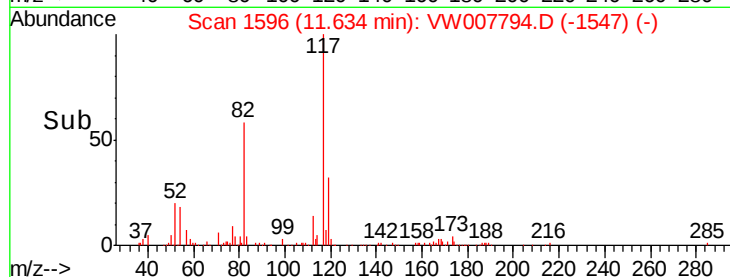
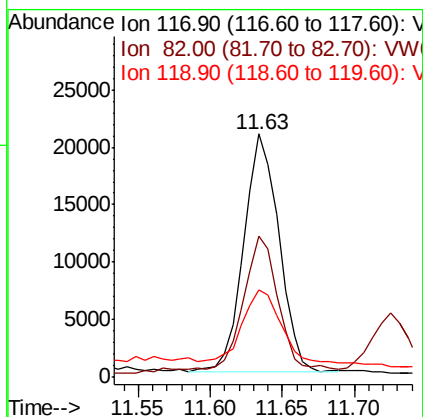
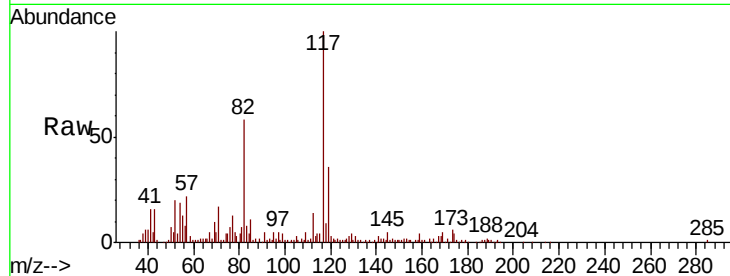




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

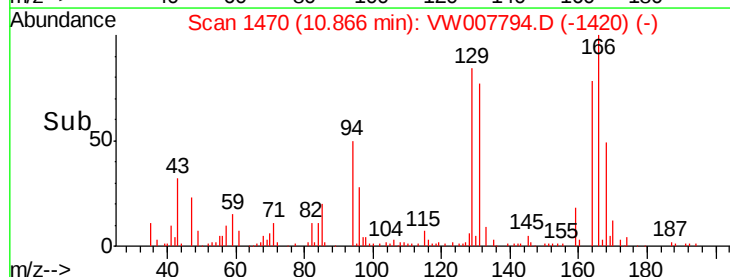
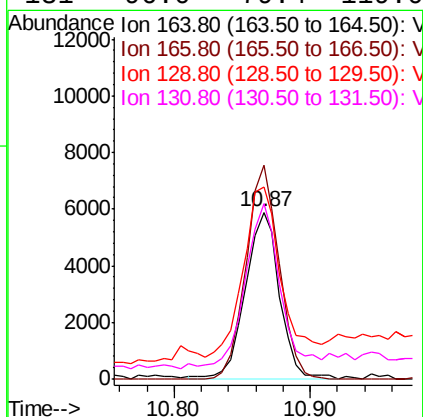
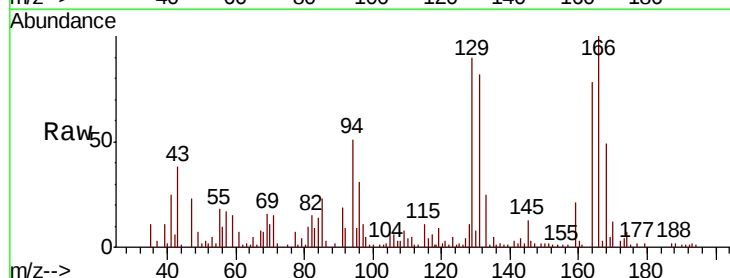
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

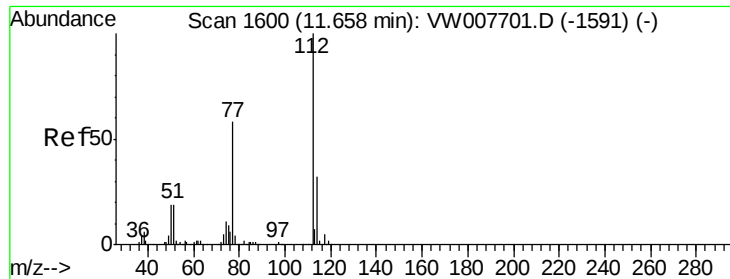
Tot Ion:117 Resp: 34737
Ion Ratio Lower Upper
117 100
82 56.3 44.3 66.5
119 31.1 25.7 38.5



#64
Tetrachloroethene
Concen: 41.975 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion:164 Resp: 10325
Ion Ratio Lower Upper
164 100
166 128.1 101.0 151.6
129 98.9 78.7 118.1
131 96.0 79.4 119.0

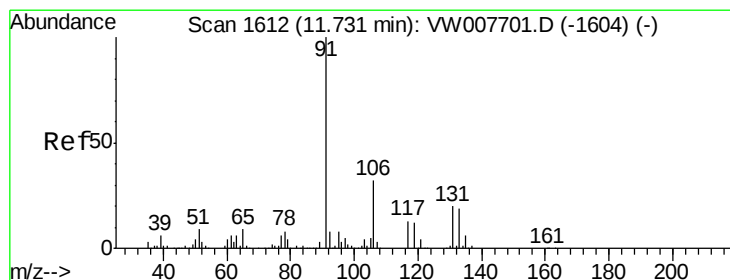
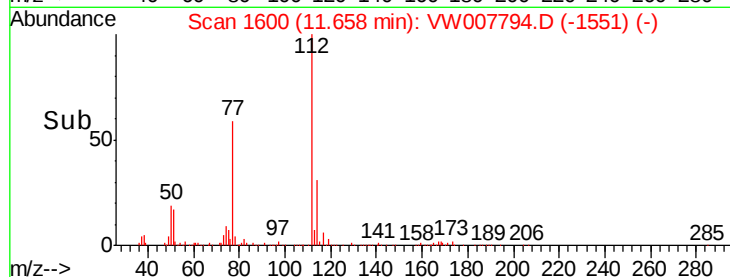
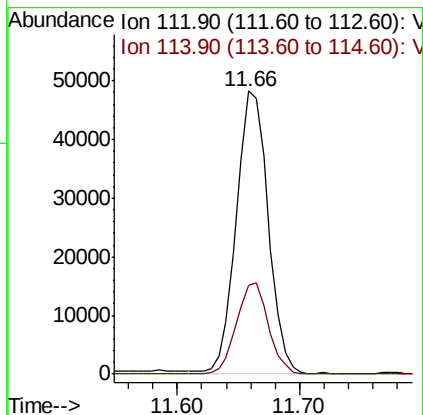
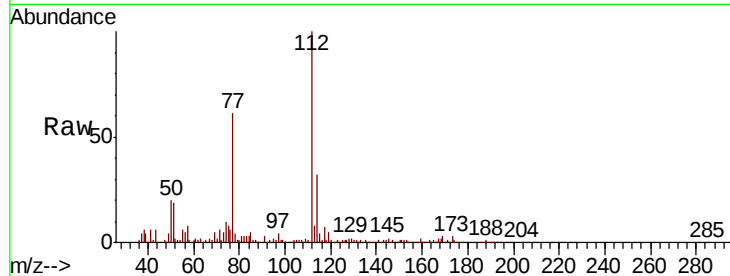




#65
Chlorobenzene
Concen: 116.343 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

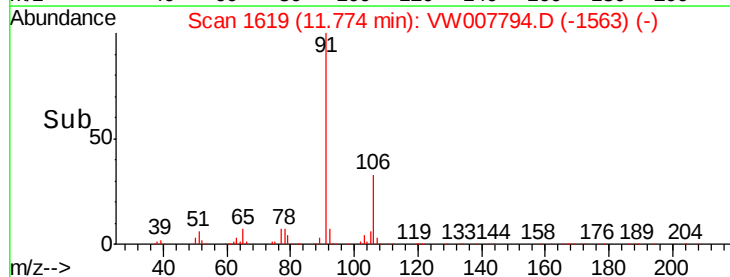
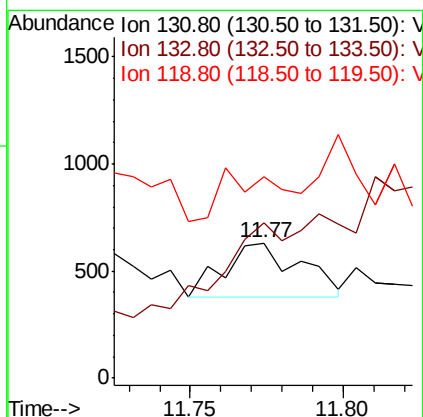
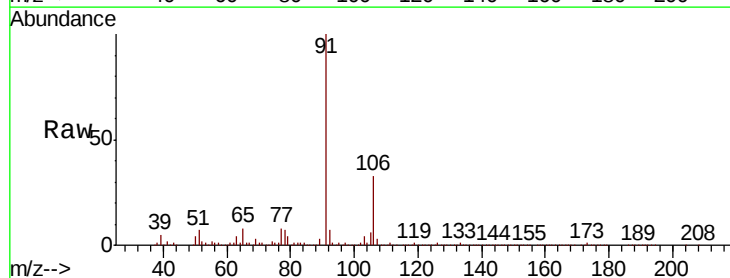
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

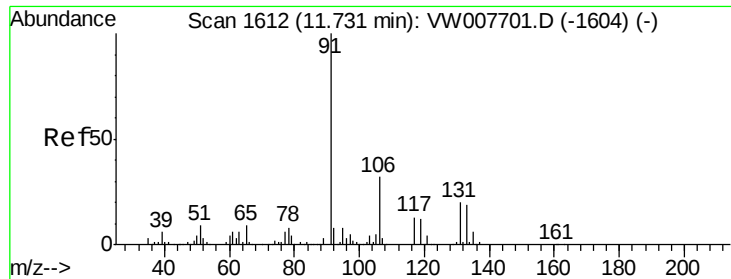
Tot Ion:112 Resp: 87473
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.623 ug/l
RT: 11.77 min Scan# 1619
Delta R.T. 0.04 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion:131 Resp: 436
Ion Ratio Lower Upper
131 100
133 149.5 47.5 142.5#
119 116.7 30.2 90.6#

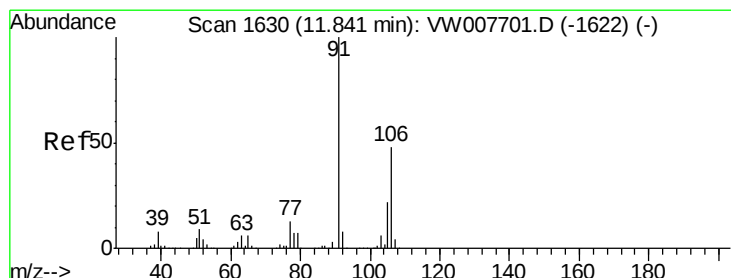
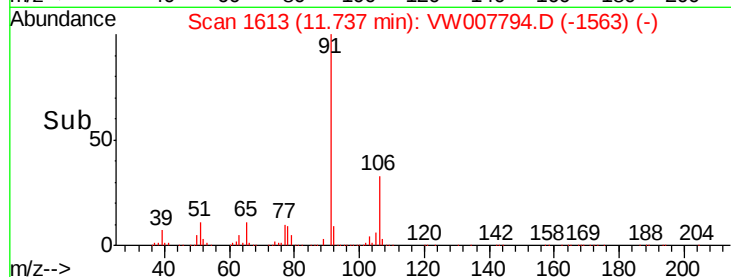
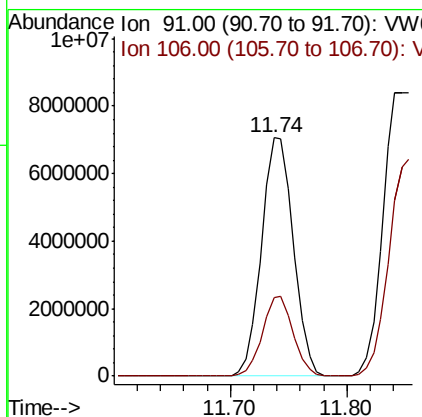
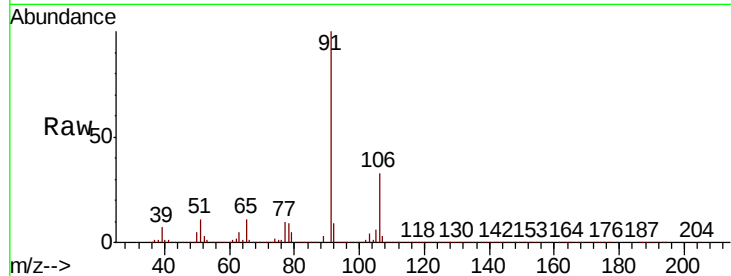




#67
Ethyl Benzene
Concen: 10430.332 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

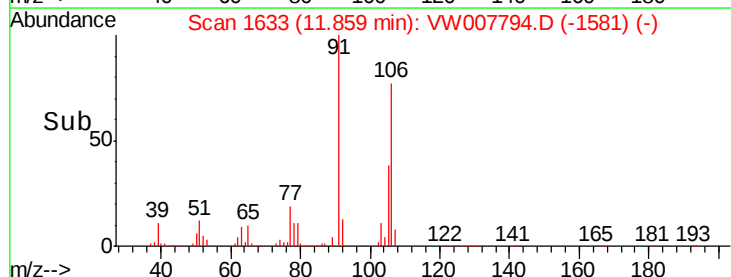
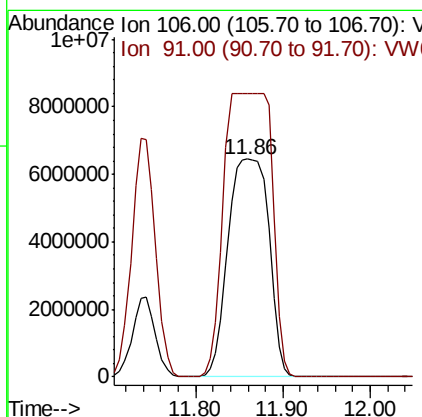
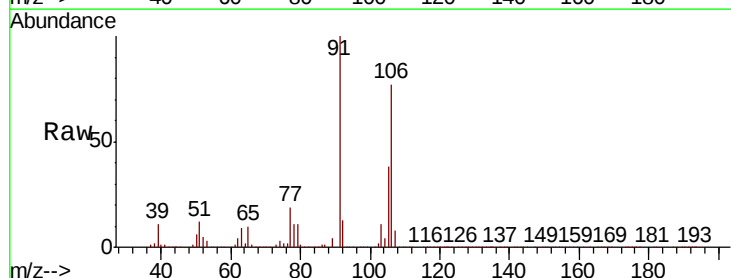
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

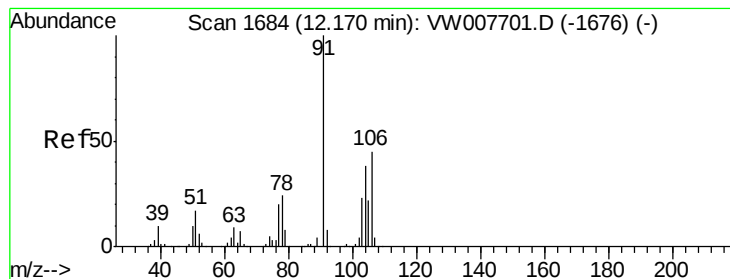
Tot Ion: 91 Resp:13457038
Ion Ratio Lower Upper
91 100
106 33.1 25.8 38.8



#68
m/p-Xylenes
Concen: 41610.850 ug/l
RT: 11.86 min Scan# 1633
Delta R.T. 0.02 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion:106 Resp:20825434
Ion Ratio Lower Upper
106 100
91 0.0 165.2 247.8#





#69

o-Xylene

Concen: 19533.108 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

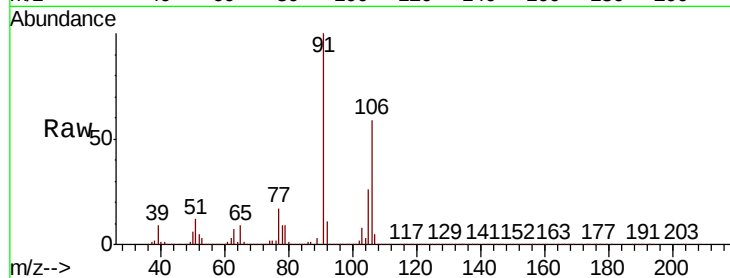
P001-SS013-2430-01

Tot Ion:106 Resp: 9163696

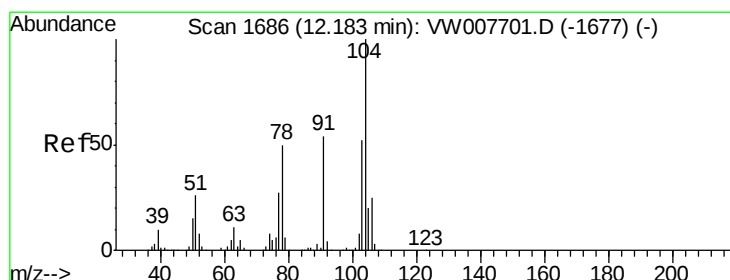
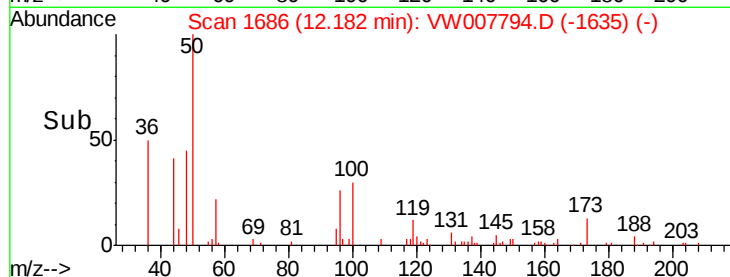
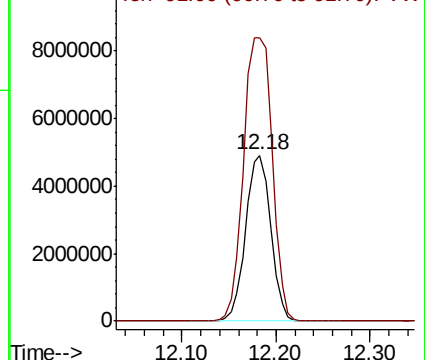
Ion Ratio Lower Upper

106 100

91 196.0 110.5 331.4



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



#70

Styrene

Concen: 669.433 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

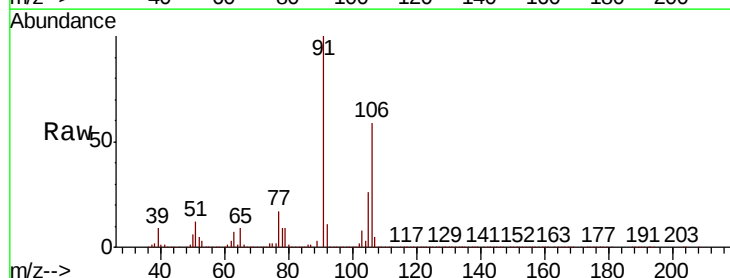
Tgt Ion:104 Resp: 516245

Ion Ratio Lower Upper

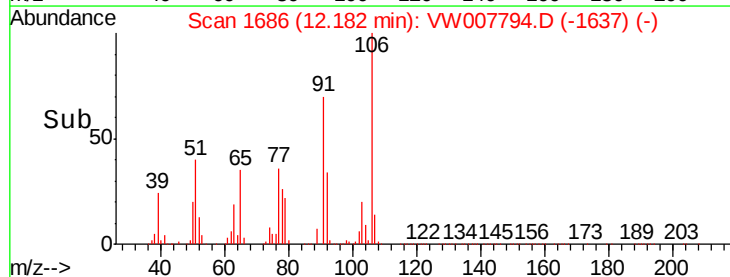
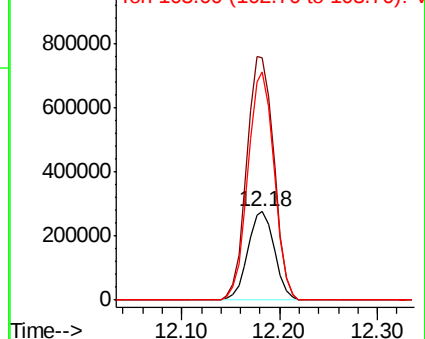
104 100

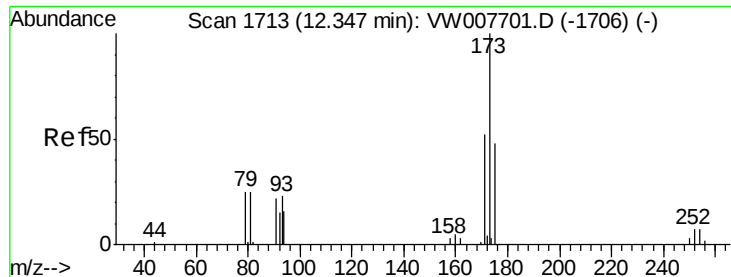
78 282.7 43.4 65.0#

103 255.2 44.5 66.7#



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





#71

Bromoform

Concen: 14.656 ug/l

RT: 12.33 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

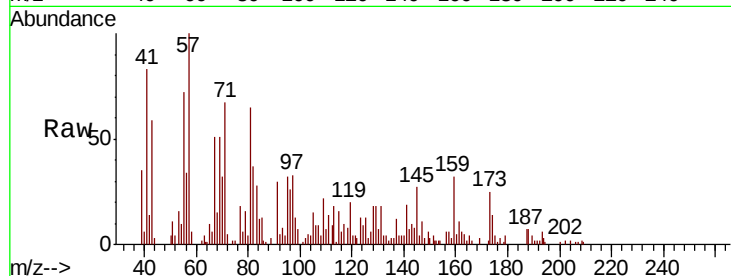
Tot Ion:173 Resp: 2044

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.7#

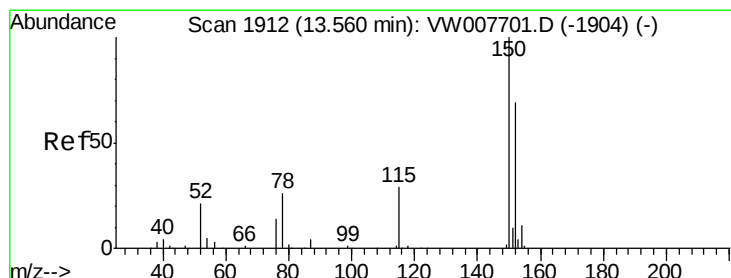
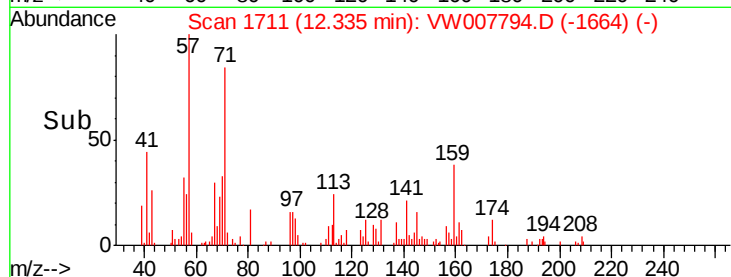
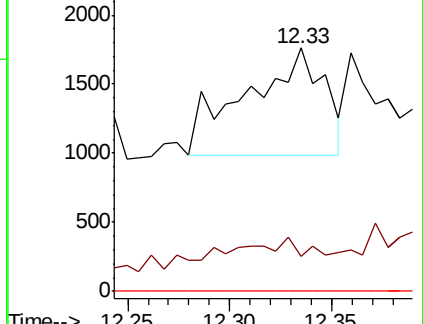
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

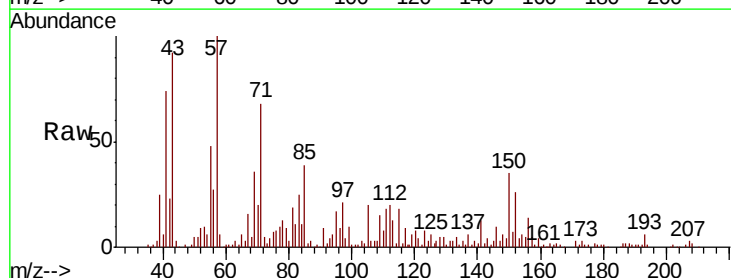
Tgt Ion:152 Resp: 8663

Ion Ratio Lower Upper

152 100

115 0.0 31.8 95.4#

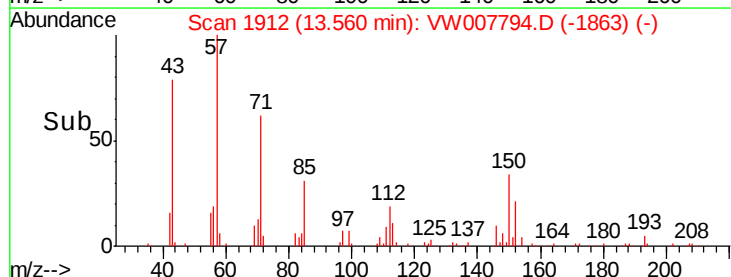
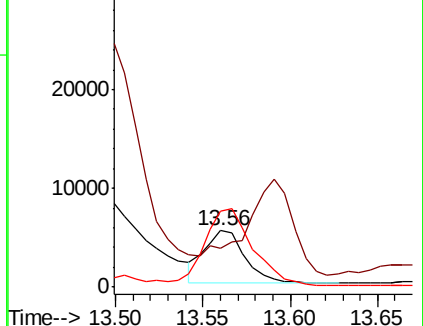
150 171.6 0.0 350.8

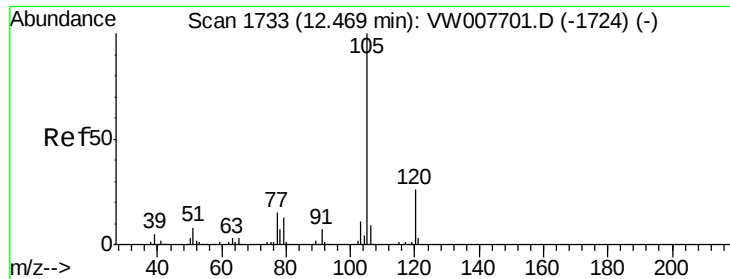


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 412.865 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

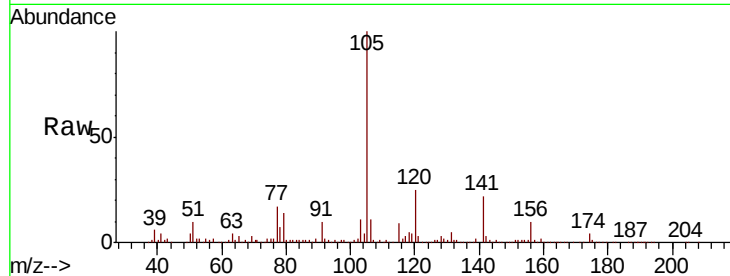
P001-SS013-2430-01

Tot Ion:105 Resp: 270355

Ion Ratio Lower Upper

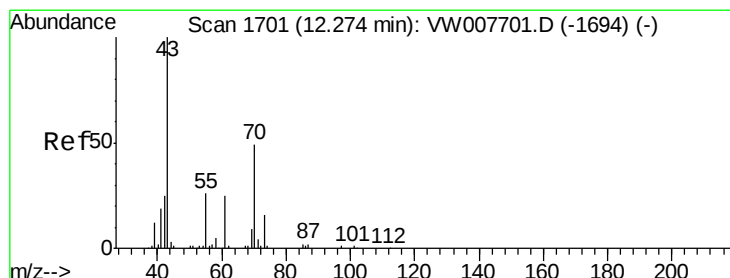
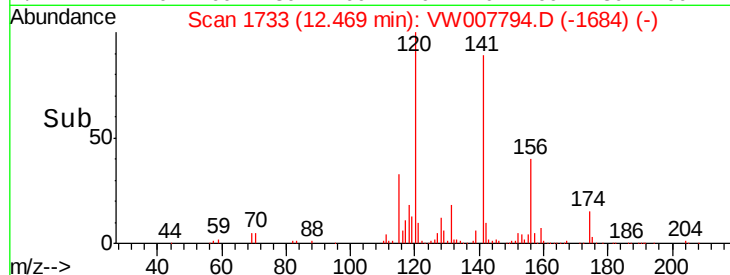
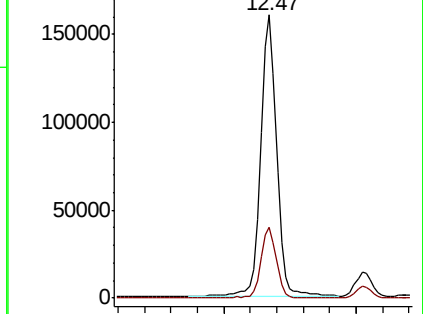
105 100

120 23.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 135.225 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Tgt Ion: 43 Resp: 15338

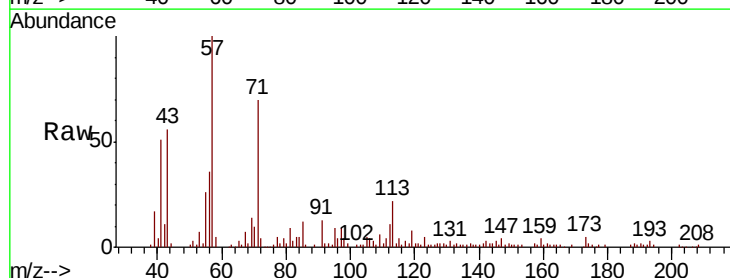
Ion Ratio Lower Upper

43 100

70 19.8 37.6 56.4#

55 37.2 21.7 32.5#

61 0.0 20.1 30.1#

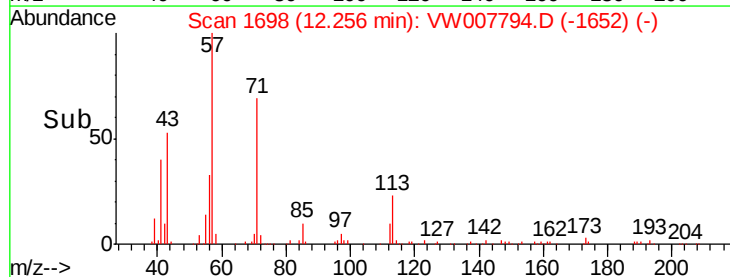
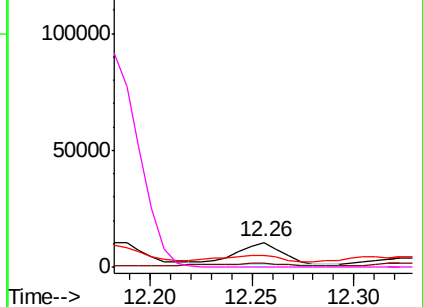


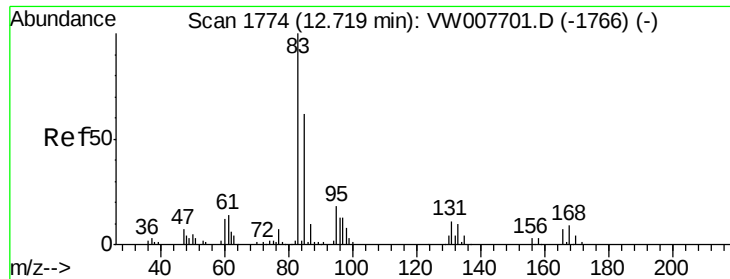
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 65.410 ug/l

RT: 12.78 min Scan# 1784

Delta R.T. 0.06 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

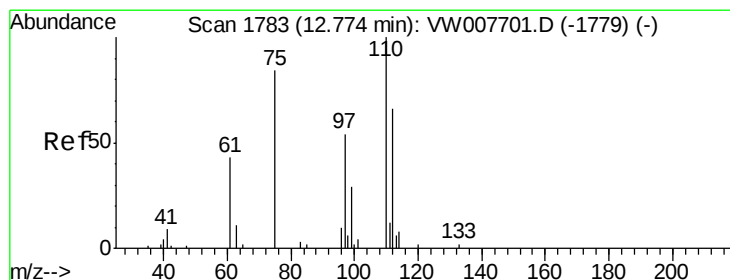
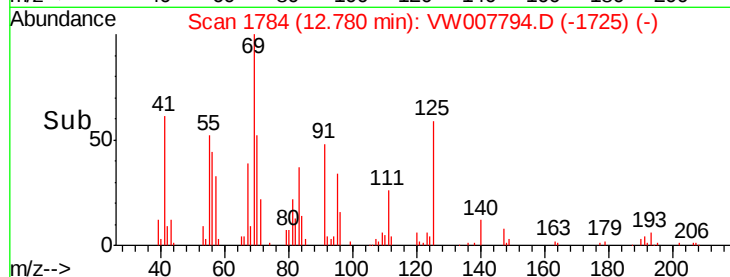
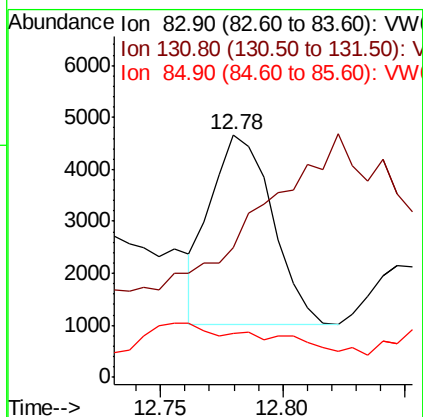
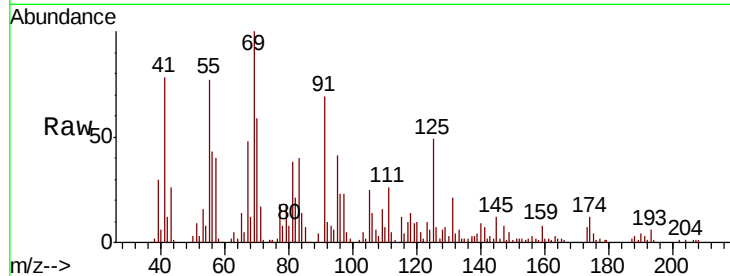
Tot Ion: 83 Resp: 6422

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

85 27.3 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 42.341 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW007794.D

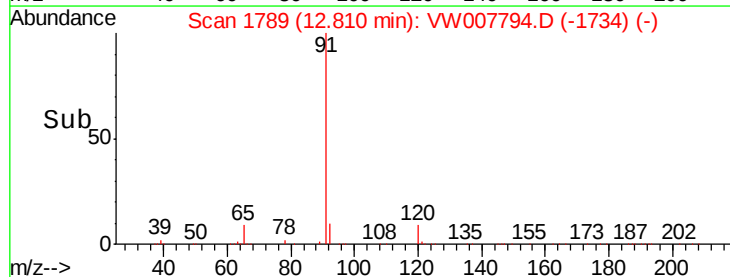
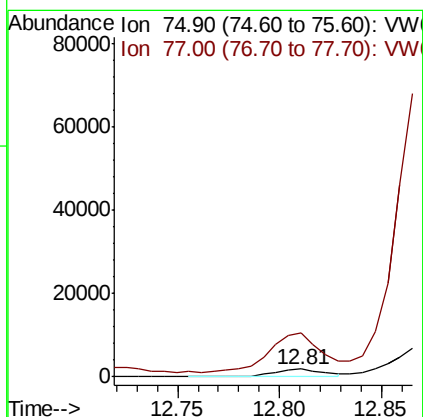
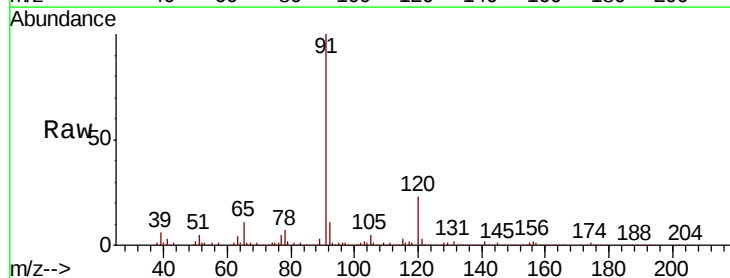
Acq: 21 Dec 2018 14:26

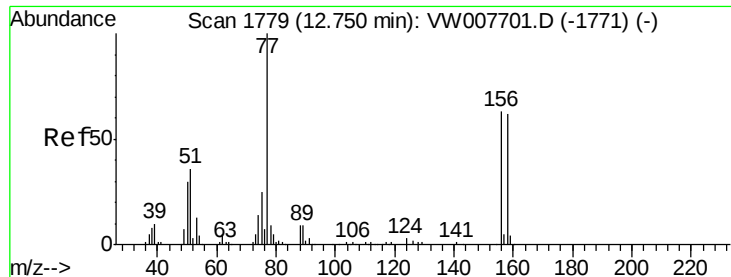
Tgt Ion: 75 Resp: 2835

Ion Ratio Lower Upper

75 100

77 617.0 0.0 0.0#





#77

Bromobenzene

Concen: 5069.322 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

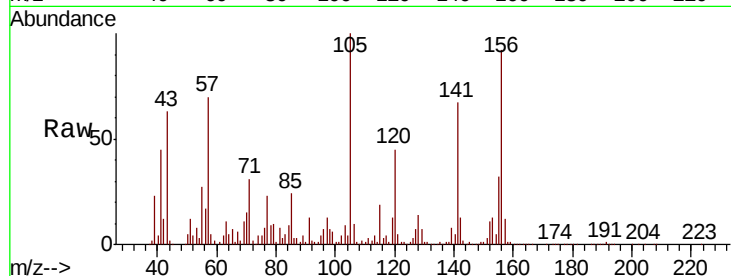
Tot Ion:156 Resp: 760752

Ion Ratio Lower Upper

156 100

77 10.6 87.4 262.1#

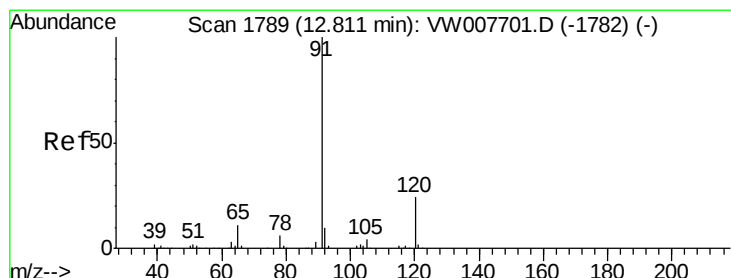
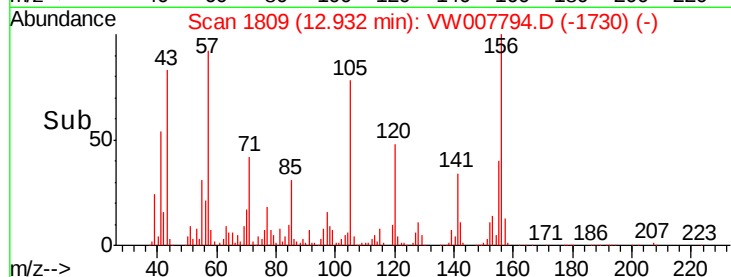
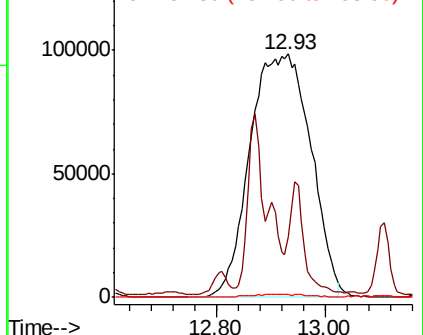
158 0.0 48.4 145.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 440.300 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007794.D

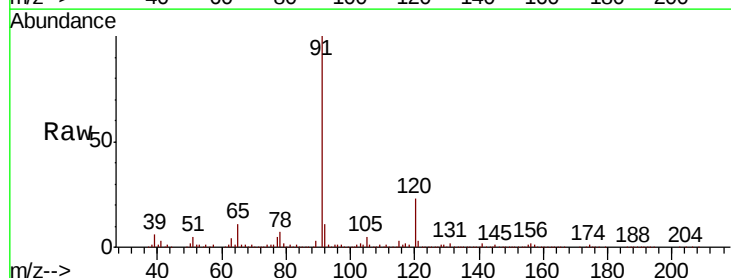
Acq: 21 Dec 2018 14:26

Tgt Ion: 91 Resp: 335623

Ion Ratio Lower Upper

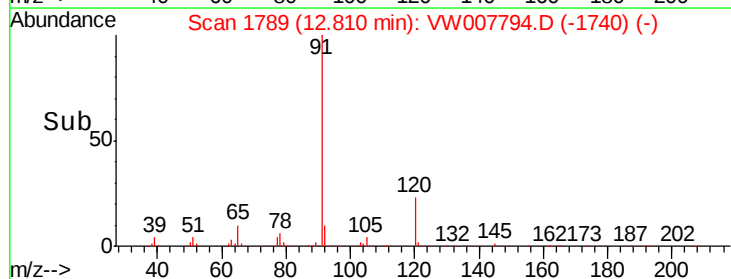
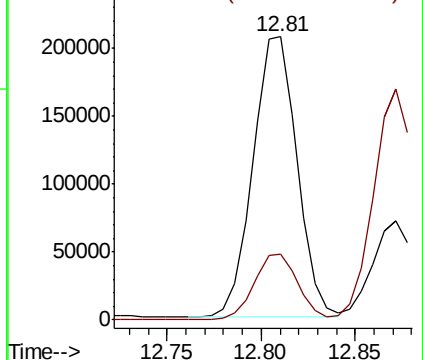
91 100

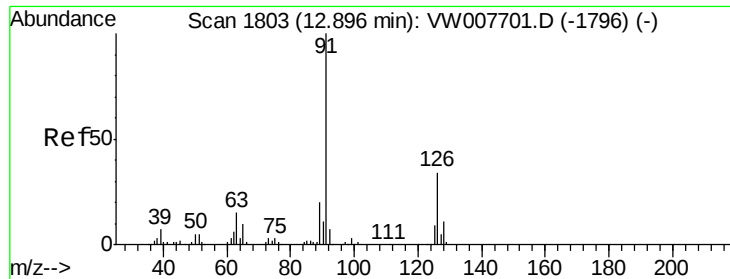
120 22.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

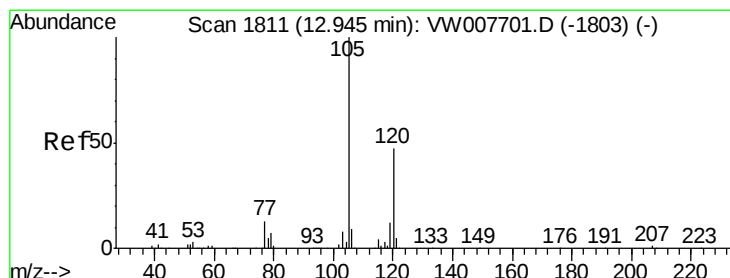
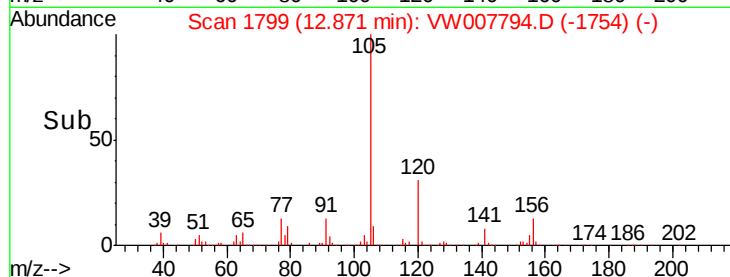
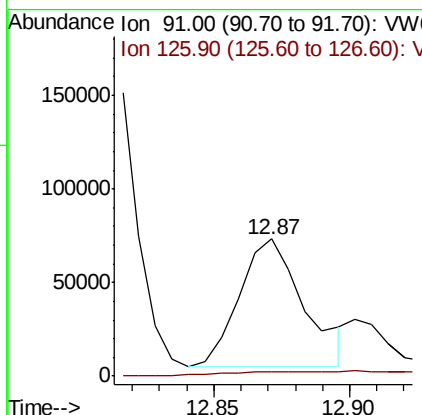
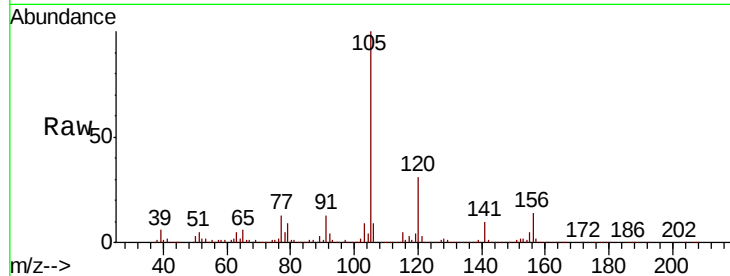




#79
 2-Chlorotoluene
 Concen: 253.429 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. -0.02 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

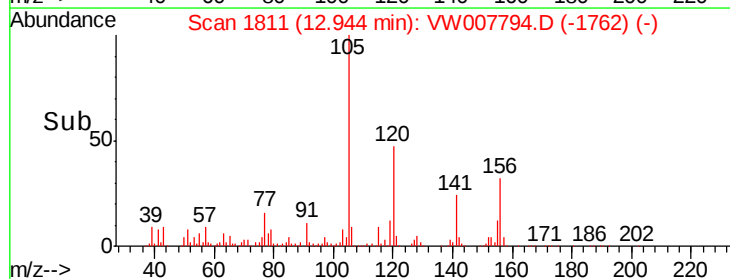
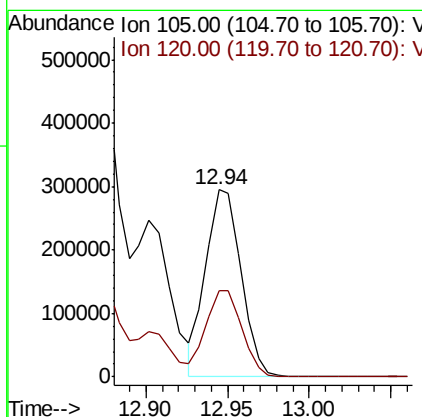
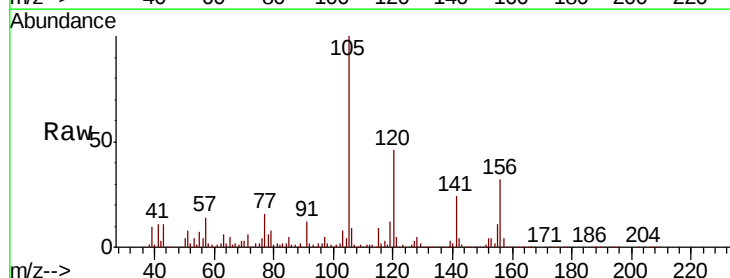
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

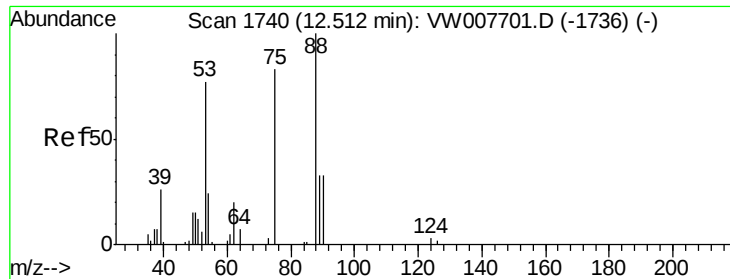
Tot Ion: 91 Resp: 112536
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.0 51.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 785.375 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Tgt Ion:105 Resp: 443607
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 340.770 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.04 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

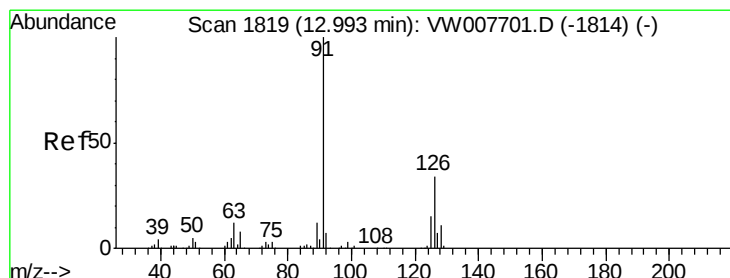
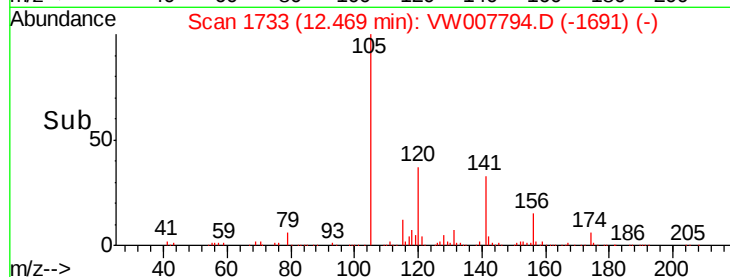
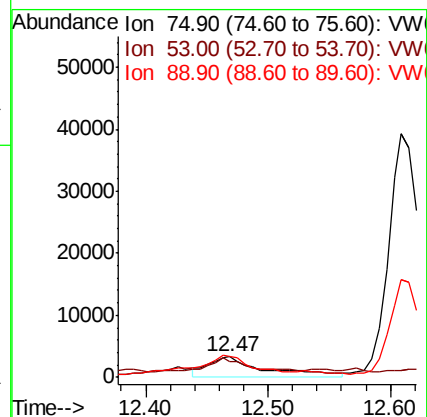
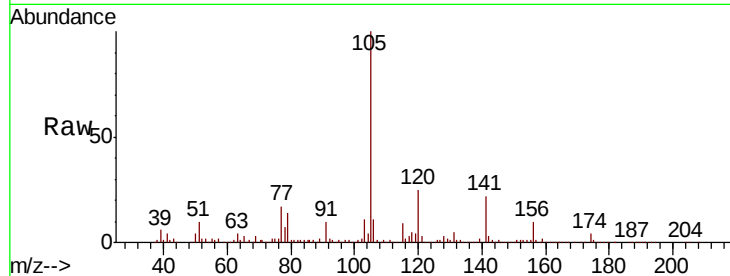
Tot Ion: 75 Resp: 10870

Ion Ratio Lower Upper

75 100

53 35.9 80.2 120.2#

89 119.8 39.2 58.8#



#82

4-Chlorotoluene

Concen: 100.945 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.05 min

Lab File: VW007794.D

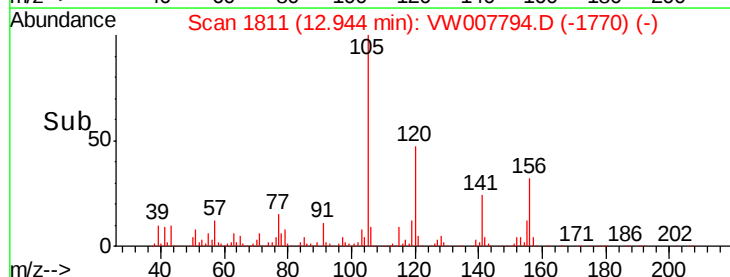
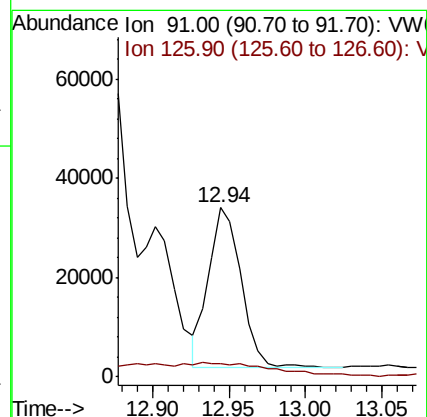
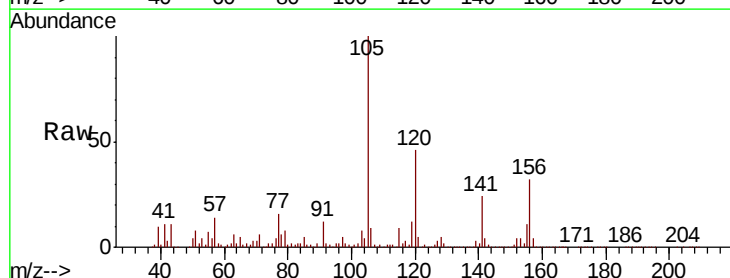
Acq: 21 Dec 2018 14:26

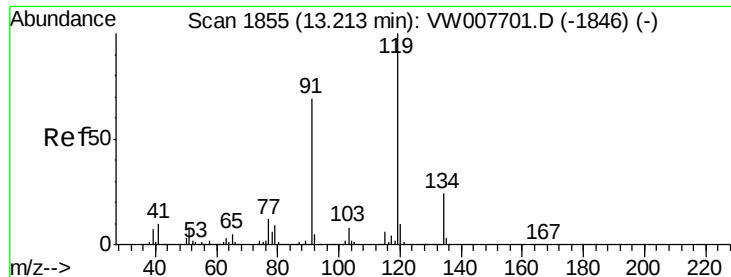
Tgt Ion: 91 Resp: 47728

Ion Ratio Lower Upper

91 100

126 0.0 16.5 49.5#





#83

tert-Butylbenzene

Concen: 19.538 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

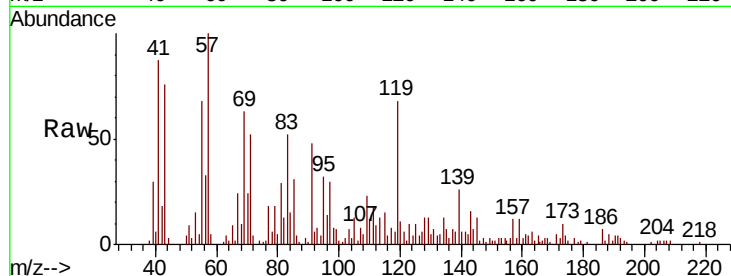
Tot Ion:119 Resp: 9683

Ion Ratio Lower Upper

119 100

91 47.4 34.2 102.5

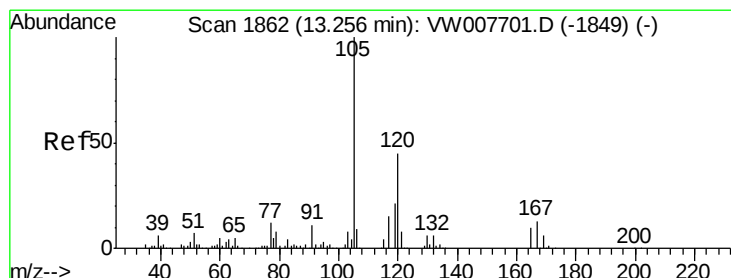
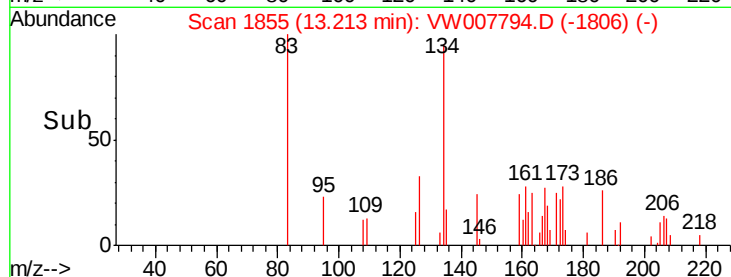
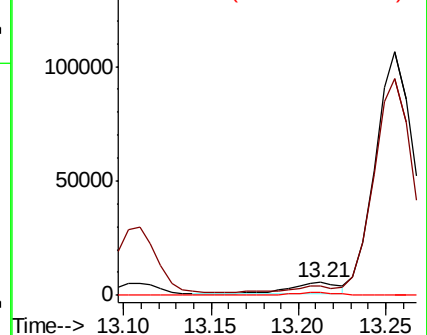
134 18.1 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2347.818 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007794.D

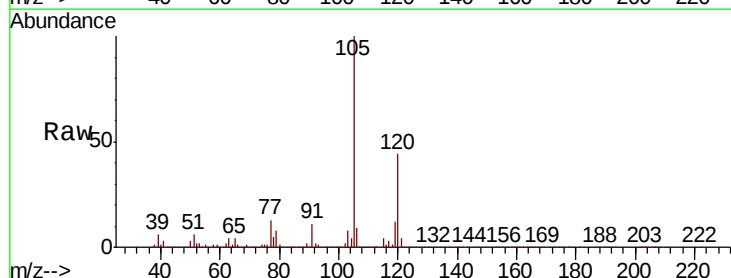
Acq: 21 Dec 2018 14:26

Tgt Ion:105 Resp: 1338138

Ion Ratio Lower Upper

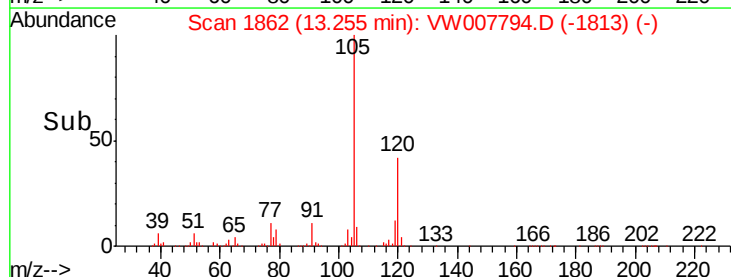
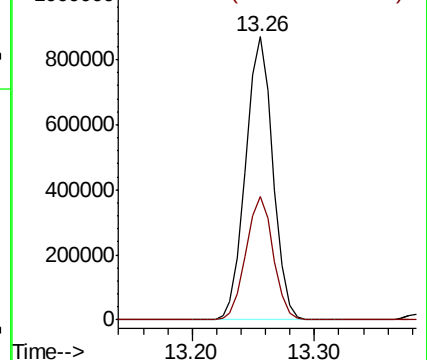
105 100

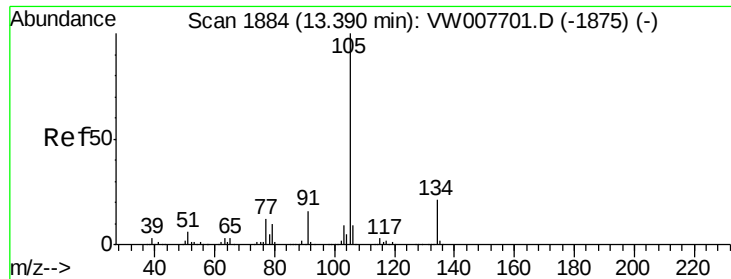
120 43.6 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1959.134 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.13 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

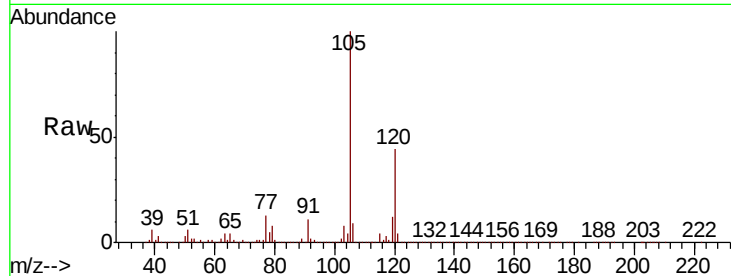
P001-SS013-2430-01

Tot Ion:105 Resp: 1338138

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

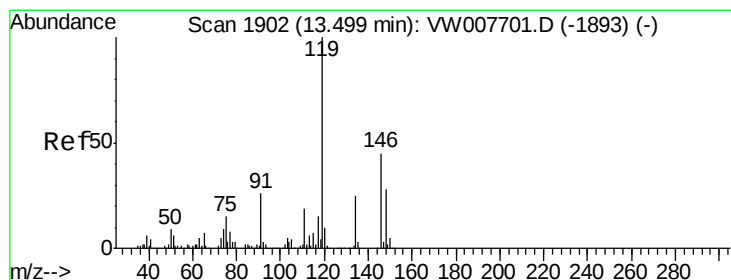
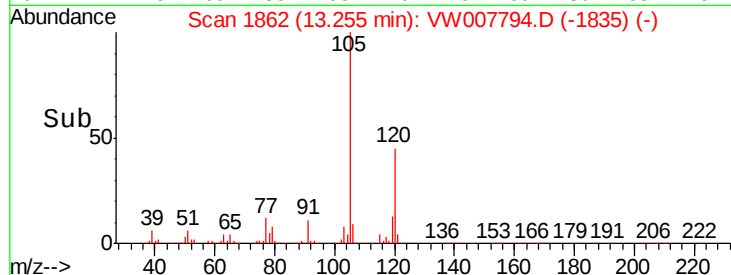
400000

200000

0

13.20 13.26 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 386.028 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

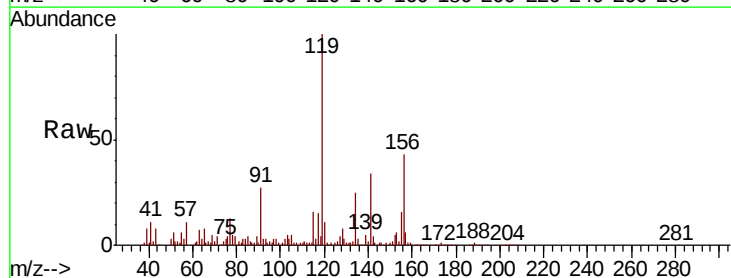
Tgt Ion:119 Resp: 239756

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 27.1 12.8 38.4



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

200000

150000

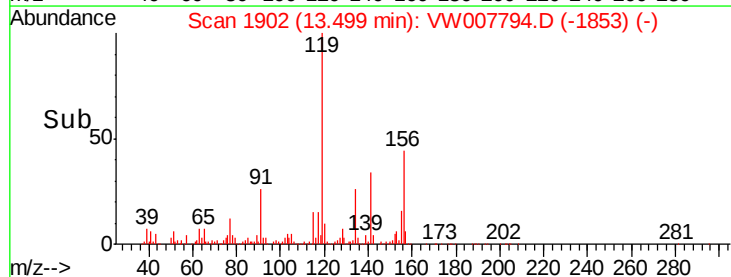
100000

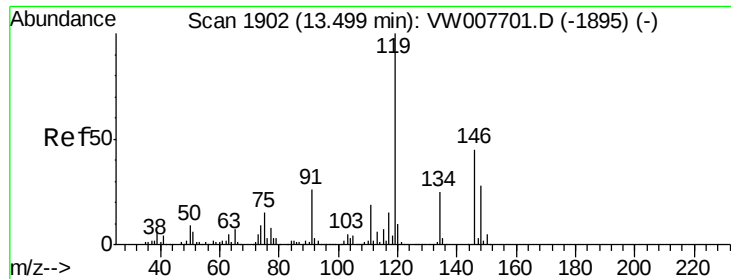
50000

0

13.45 13.50 13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 90.240 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.08 min

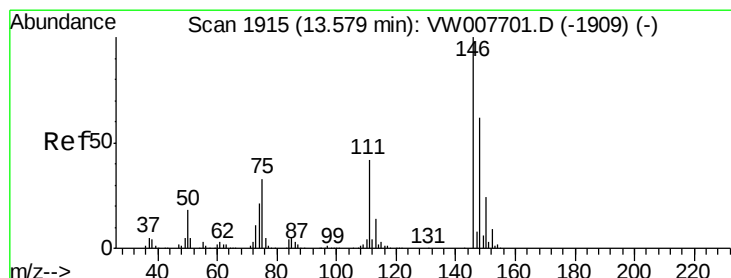
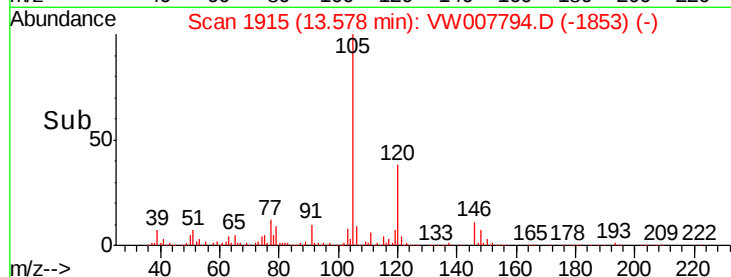
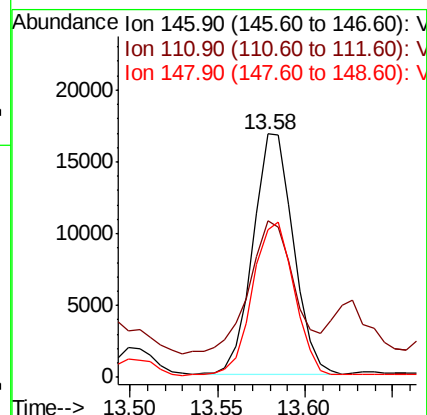
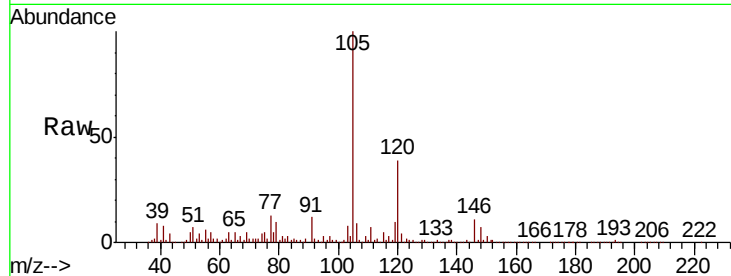
Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

Tot Ion:146 Resp: 26888

Ion	Ratio	Lower	Upper
146	100		
111	62.3	21.1	63.4
148	65.9	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 90.214 ug/l

RT: 13.58 min Scan# 1915

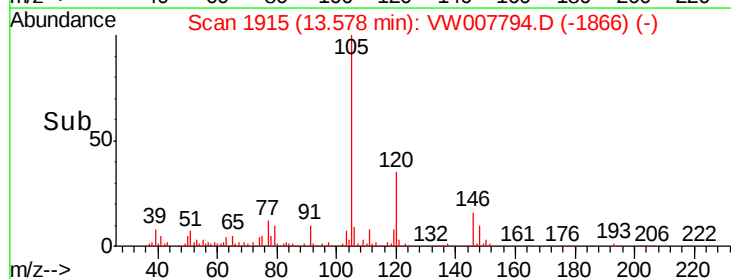
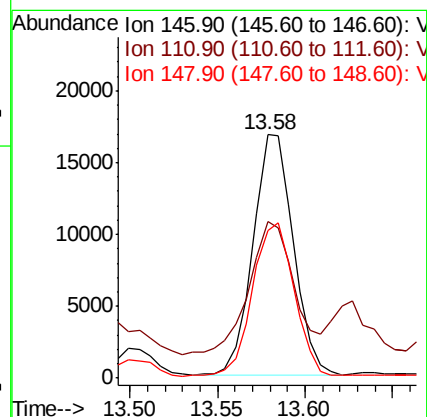
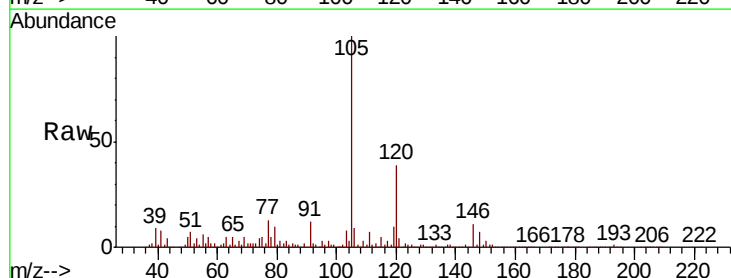
Delta R.T. -0.00 min

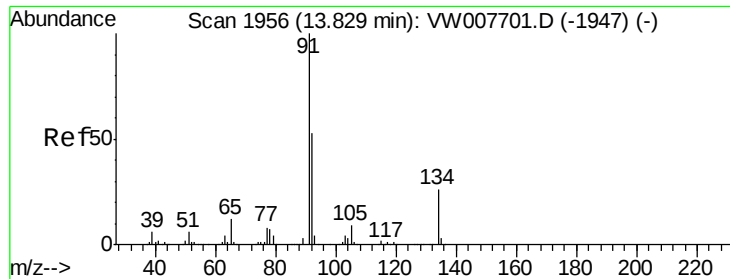
Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Tgt Ion:146 Resp: 26888

Ion	Ratio	Lower	Upper
146	100		
111	62.3	21.0	63.0
148	65.9	31.8	95.4





#89

n-Butylbenzene

Concen: 53.965 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

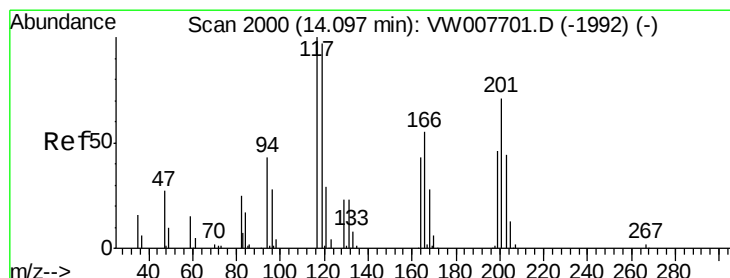
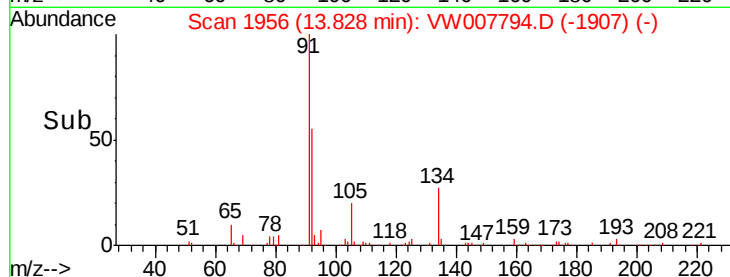
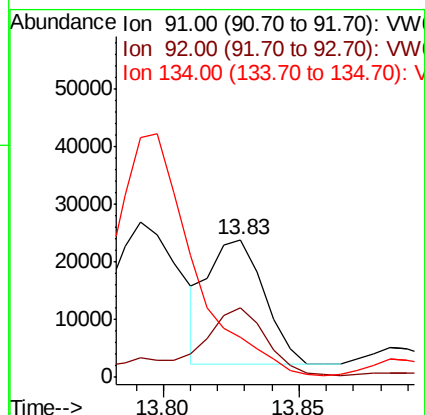
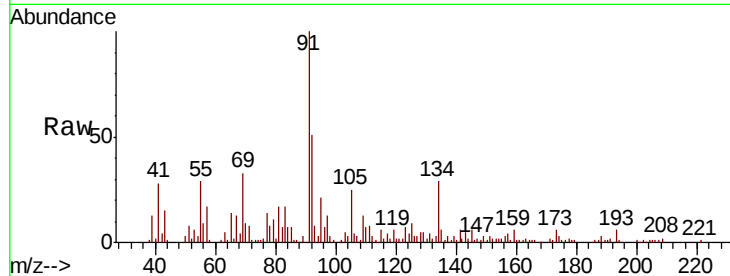
Tot Ion: 91 Resp: 30731

Ion Ratio Lower Upper

91 100

92 68.6 26.4 79.2

134 0.0 13.7 41.0#



#90

Hexachloroethane

Concen: 181.808 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007794.D

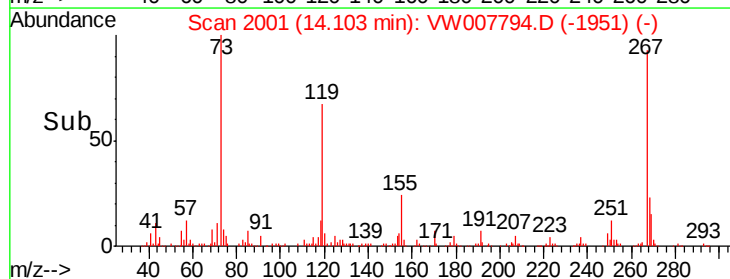
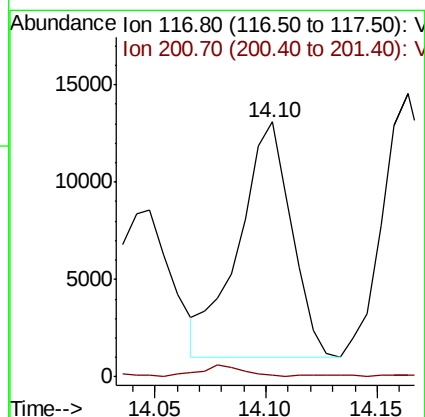
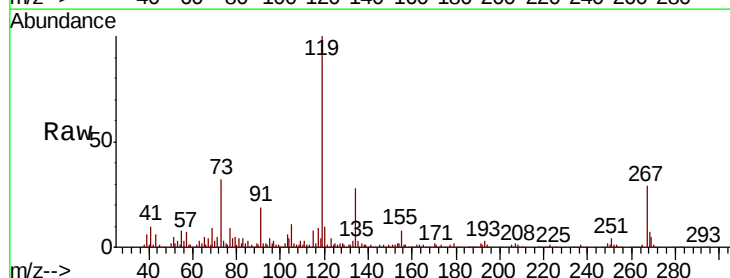
Acq: 21 Dec 2018 14:26

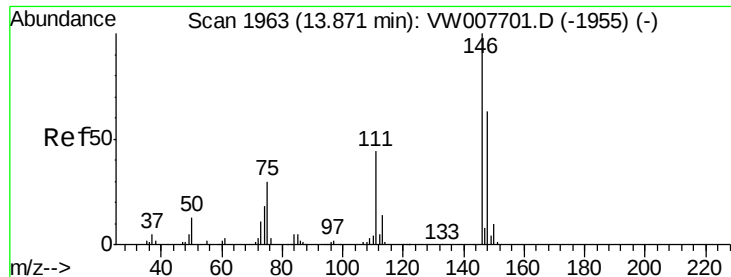
Tgt Ion: 117 Resp: 19824

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#





#91

1,2-Dichlorobenzene

Concen: 86.848 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

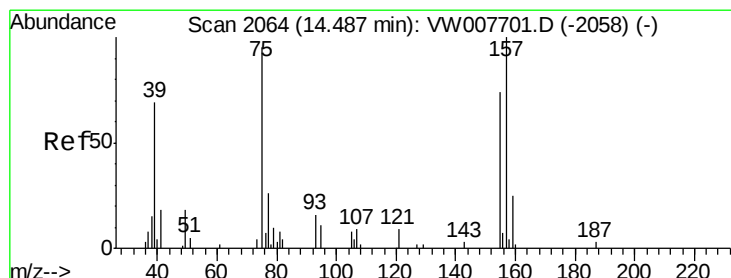
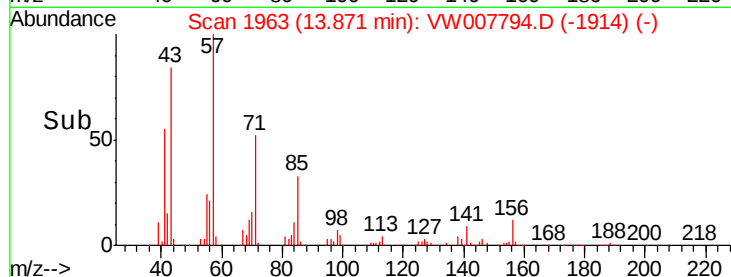
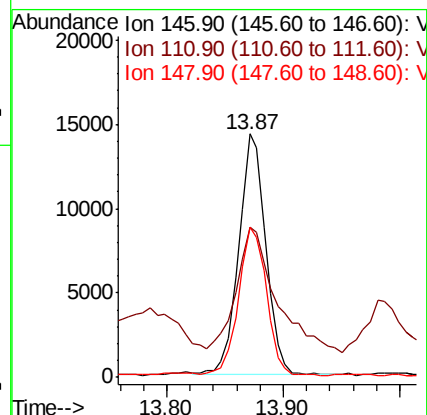
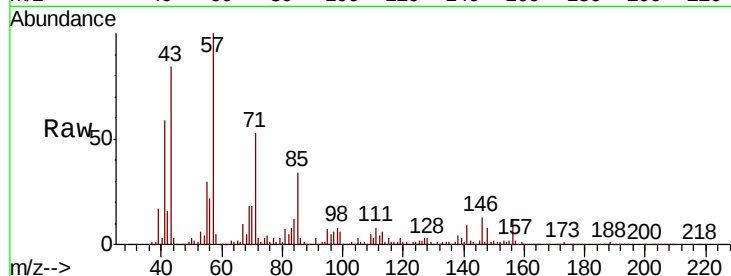
Tot Ion:146 Resp: 23169

Ion Ratio Lower Upper

146 100

111 76.4 21.7 65.1#

148 63.7 32.1 96.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 12.102 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.02 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

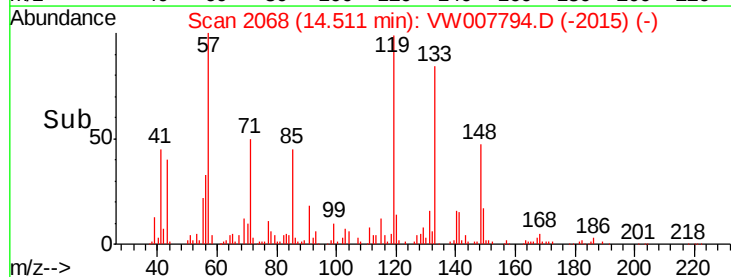
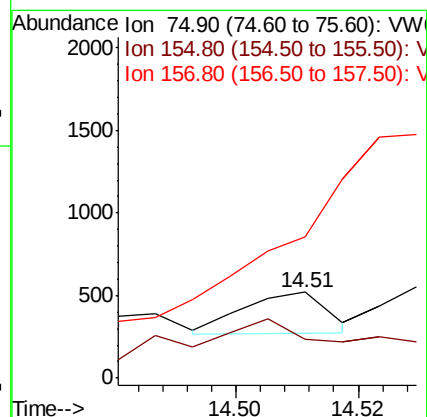
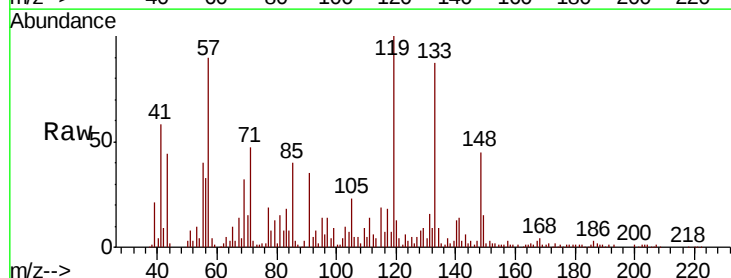
Tgt Ion: 75 Resp: 244

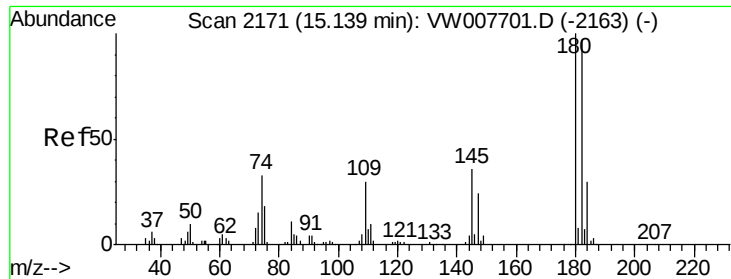
Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

157 0.0 52.0 156.0#

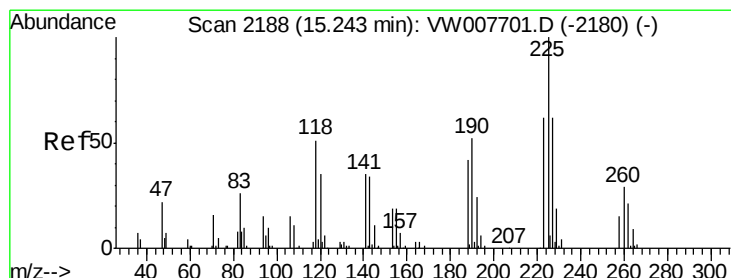
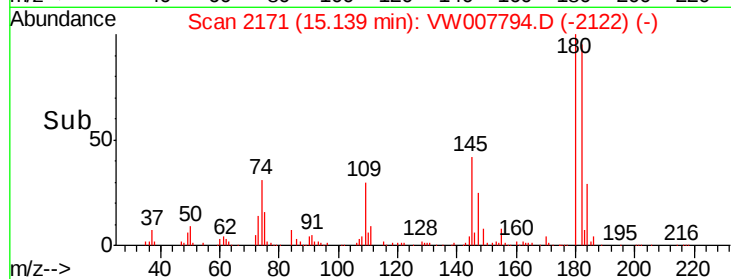
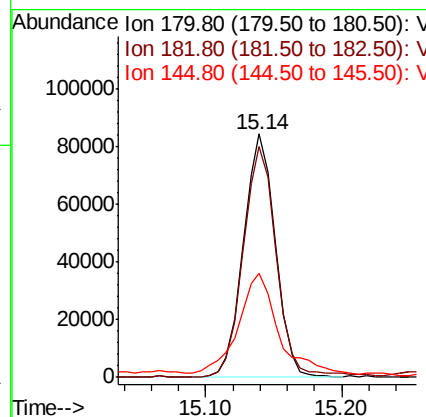
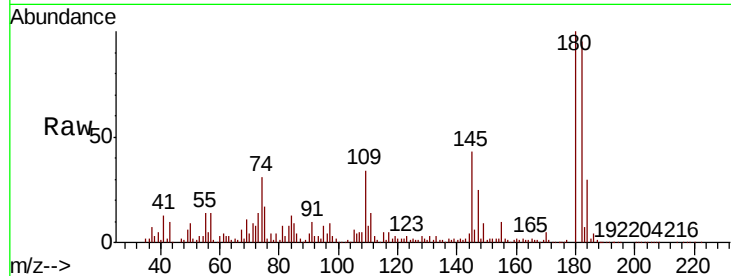




#93
 1,2,4-Trichlorobenzene
 Concen: 742.786 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

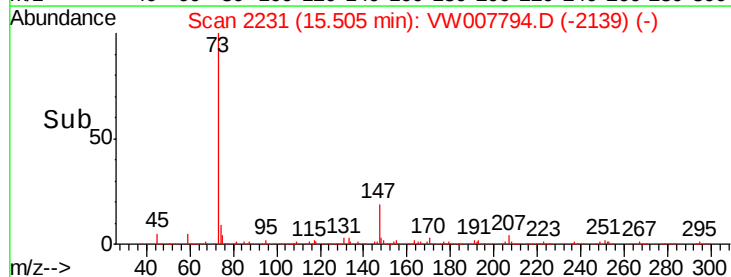
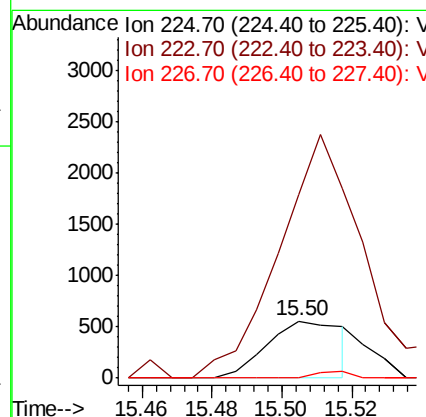
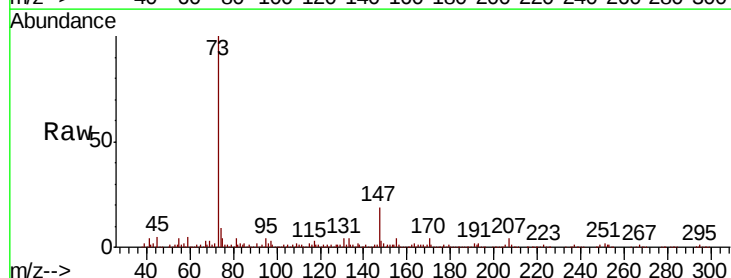
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

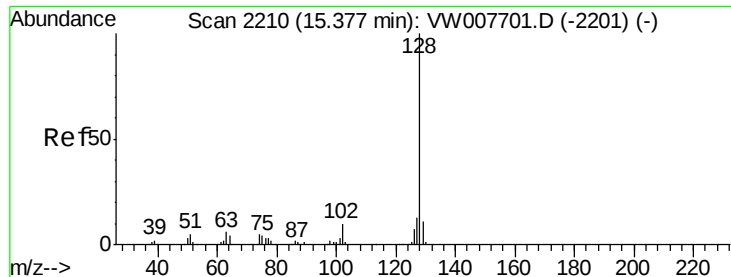
Tot Ion:180 Resp: 137551
 Ion Ratio Lower Upper
 180 100
 182 98.5 47.5 142.6
 145 52.5 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 8.589 ug/l
 RT: 15.50 min Scan# 2231
 Delta R.T. 0.26 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Tgt Ion:225 Resp: 850
 Ion Ratio Lower Upper
 225 100
 223 358.9 31.6 94.8#
 227 0.0 32.1 96.3#

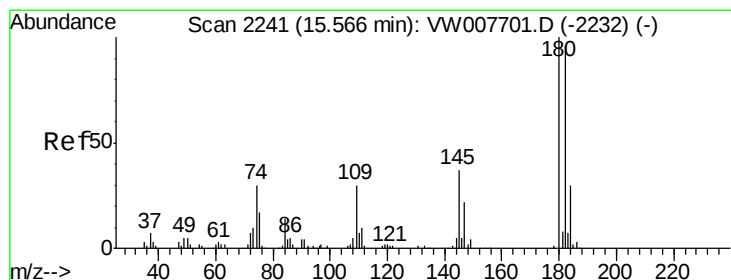
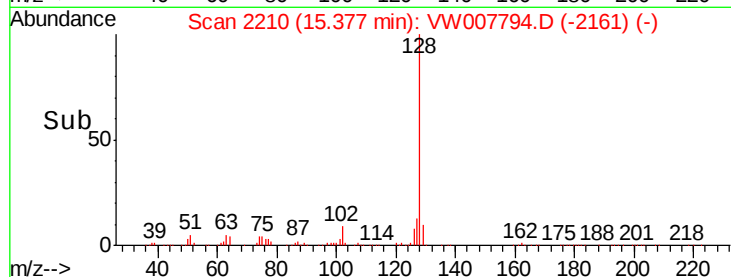
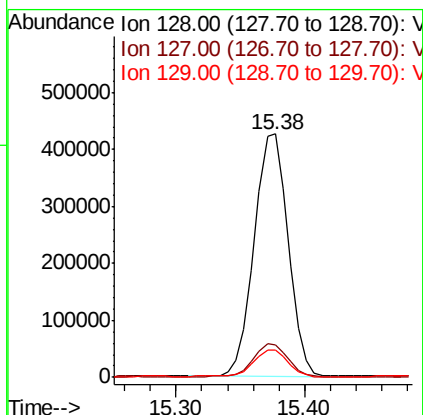
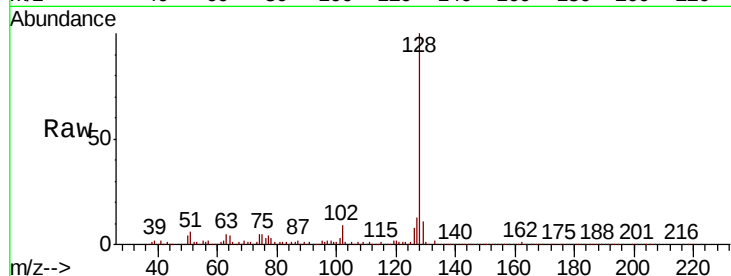




#95
Naphthalene
Concen: 2265.038 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

Tot Ion:128 Resp: 775484
Ion Ratio Lower Upper
128 100
127 14.0 10.7 16.1
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 198.686 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion:180 Resp: 31495
Ion Ratio Lower Upper
180 100
182 84.9 47.4 142.2
145 114.4 18.4 55.0#

