

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007790.D
 Acq On : 21 Dec 2018 12:34
 Operator : SY/AP
 Sample : J6426-02MS
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Quant Time: Dec 21 13:11:51 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	34918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	63472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	23554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5474	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	44700	116.80	ug/l	0.00
Spiked Amount			Recovery	=	233.60%	
35) Dibromofluoromethane	7.88	113	32073	82.83	ug/l	0.00
Spiked Amount			Recovery	=	165.66%	
50) Toluene-d8	10.32	98	38811	26.59	ug/l	0.00
Spiked Amount			Recovery	=	53.18%	
62) 4-Bromofluorobenzene	12.62	95	9120	16.17	ug/l	0.00
Spiked Amount			Recovery	=	32.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26703	86.023	ug/l	95
3) Chloromethane	2.22	50	30888	162.045	ug/l	95
4) Vinyl Chloride	2.37	62	29875	123.123	ug/l	96
5) Bromomethane	2.78	94	18995	112.395	ug/l	94
6) Chloroethane	2.92	64	17359	133.724	ug/l	93
7) Trichlorofluoromethane	3.26	101	14345	56.786	ug/l	93
8) Diethyl Ether	3.68	74	29302	189.376	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	20014	53.795	ug/l	98
10) Methyl Iodide	4.27	142	46300	78.255	ug/l	95
11) Tert butyl alcohol	5.18	59	28902	1119.483	ug/l	99
12) 1,1-Dichloroethene	4.03	96	24328	70.617	ug/l	95
14) Allvl chloride	4.66	41	43662	96.645	ug/l	89
15) Acrylonitrile	5.36	53	70197	1063.552	ug/l	99
16) Acetone	4.12	43	27420	382.601	ug/l	98
17) Carbon Disulfide	4.37	76	48731	45.710	ug/l	99
18) Methyl Acetate	4.67	43	39906	234.134	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	105058	212.416	ug/l	96
20) Methylene Chloride	4.90	84	52014	158.855	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	27610	72.870	ug/l	92
22) Diisopropyl ether	6.31	45	127630	150.875	ug/l	95
23) Vinyl Acetate	6.31	43	66721	132.753	ug/l #	69
24) 1,1-Dichloroethane	6.21	63	64365	103.428	ug/l	98
25) 2-Butanone	7.17	43	34262	408.155	ug/l	98
26) 2,2-Dichloropropane	7.17	77	28128	61.767	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	37553	93.029	ug/l	99
28) Bromochloromethane	7.51	49	26970	127.108	ug/l	93
29) Tetrahydrofuran	7.52	42	64167	1281.521	ug/l	96
30) Chloroform	7.67	83	61809	87.763	ug/l	99
31) Cyclohexane	7.95	56	17203	30.196	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	32357	50.446	ug/l	98
36) 1,1-Dichloropropene	8.08	75	20313	33.158	ug/l	97
37) Ethyl Acetate	7.17	43	34262	162.054	ug/l #	1
38) Carbon Tetrachloride	8.07	117	21109	29.258	ug/l	91
39) Methylcyclohexane	9.34	83	14625	19.212	ug/l	95

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 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)
40) Benzene	8.32	78	75701	46.307	ug/l	99
41) Methacrylonitrile	7.52	41	54660	455.363	ug/l #	32
42) 1,2-Dichloroethane	8.40	62	58045	105.952	ug/l	98
43) Isopropyl Acetate	8.27	43	1772	4.183	ug/l #	49
44) Trichloroethene	9.09	130	15792	31.943	ug/l	95
45) 1,2-Dichloropropane	9.37	63	27191	74.961	ug/l	98
46) Dibromomethane	9.46	93	20662	92.534	ug/l	99
47) Bromodichloromethane	9.65	83	35413	60.327	ug/l	98
48) Methyl methacrylate	9.44	41	27645	130.753	ug/l	94
49) 1,4-Dioxane	9.45	88	14284	4034.814	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	102219	510.632	ug/l	98
52) Toluene	10.39	92	40950	37.335	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	34155	58.496	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	34736	53.859	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	29233	94.966	ug/l	94
56) Ethyl methacrylate	10.66	69	2089	5.744	ug/l #	8
57) 1,3-Dichloropropane	10.93	76	39502	77.279	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	81400	490.198	ug/l	99
59) 2-Hexanone	10.97	43	35055	249.003	ug/l	100
60) Dibromochloromethane	11.13	129	18817	46.167	ug/l	97
61) 1,2-Dibromoethane	11.24	107	19186	61.548	ug/l	99
64) Tetrachloroethene	10.86	164	5304	31.800	ug/l	93
65) Chlorobenzene	11.66	112	25932	50.866	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	13181	72.358	ug/l	97
67) Ethyl Benzene	11.73	91	32529	37.183	ug/l	95
68) m/p-Xylenes	11.84	106	24048	70.863	ug/l	98
69) o-Xylene	12.17	106	12077	37.965	ug/l	100
70) Stvrene	12.18	104	20632	39.457	ug/l	98
71) Bromoform	12.35	173	7944	84.006	ug/l #	98
73) Isopropylbenzene	12.46	105	21152	51.120	ug/l	97
74) N-amyl acetate	12.26	43	1878	26.203	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.72	83	18530	298.685	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	22978	543.101	ug/l #	100
77) Bromobenzene	12.75	156	7010	73.924	ug/l #	53
78) n-propylbenzene	12.80	91	19588	40.668	ug/l	100
79) 2-Chlorotoluene	12.90	91	15060	53.673	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	15504	43.440	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3926	194.781	ug/l	93
82) 4-Chlorotoluene	12.99	91	14785	49.488	ug/l	93
83) tert-Butylbenzene	13.21	119	12056	38.498	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	17465	48.495	ug/l	98
85) sec-Butylbenzene	13.39	105	14261	33.043	ug/l	98
86) p-Isopropyltoluene	13.50	119	11633	29.642	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	7325	38.906	ug/l #	73
88) 1,4-Dichlorobenzene	13.58	146	6881	36.537	ug/l #	69
89) n-Butylbenzene	13.83	91	9260	25.734	ug/l	96
90) Hexachloroethane	14.10	117	1836	26.648	ug/l	87
91) 1,2-Dichlorobenzene	13.87	146	7211	42.777	ug/l #	65
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1975	155.018	ug/l	97
93) 1,2,4-Trichlorobenzene	15.14	180	1897	16.212	ug/l #	1

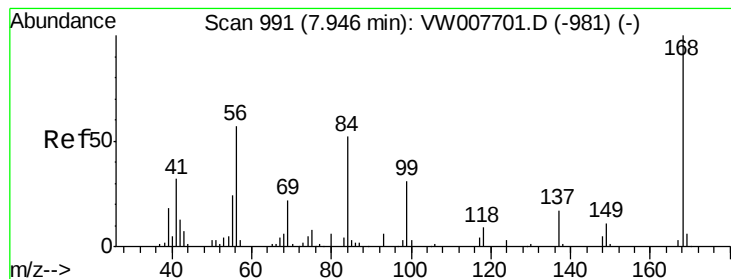
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	802	12.825	ug/l	91
95) Naphthalene	15.38	128	8726	40.335	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	1420	14.177	ug/l #	56

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

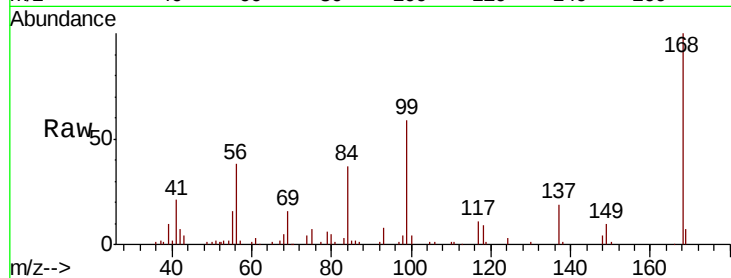
P001-DS001-01MS

Tot Ion:168 Resp: 34918

Ion Ratio Lower Upper

168 100

99 58.6 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

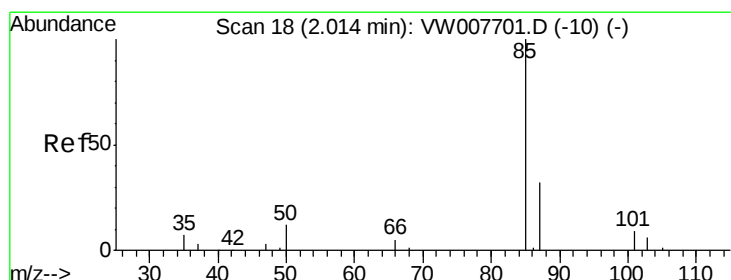
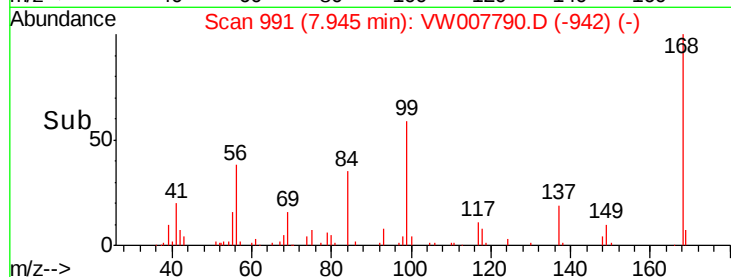
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 86.023 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007790.D

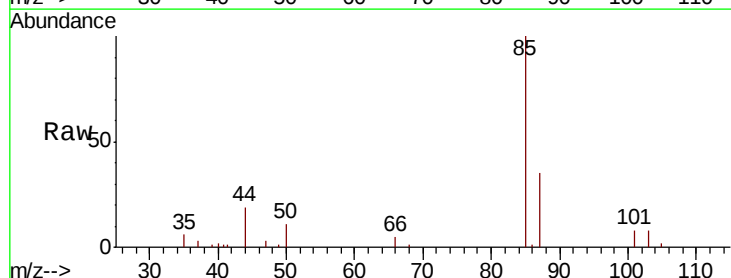
Acq: 21 Dec 2018 12:34

Tgt Ion: 85 Resp: 26703

Ion Ratio Lower Upper

85 100

87 35.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

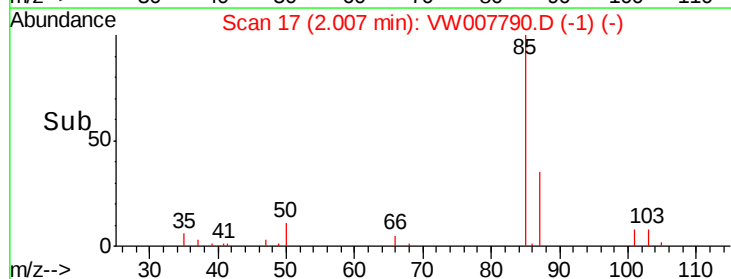
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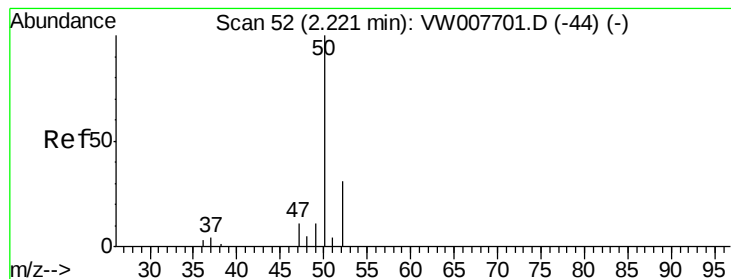
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 162.045 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

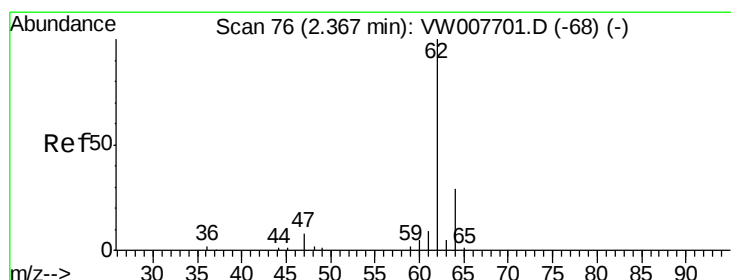
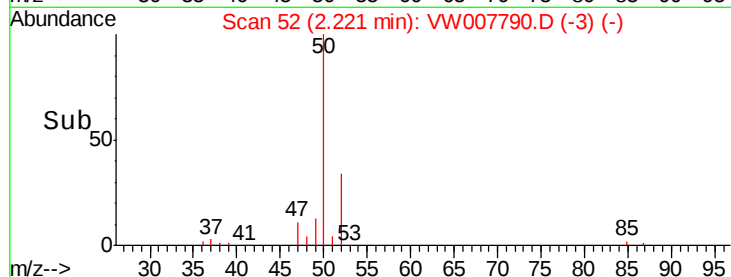
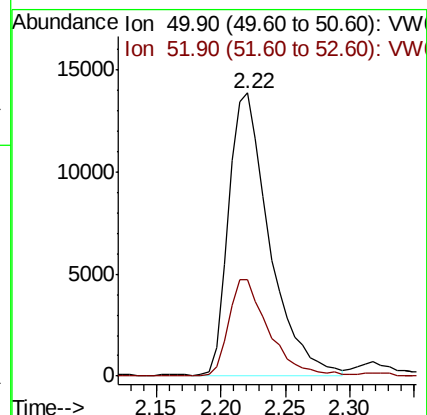
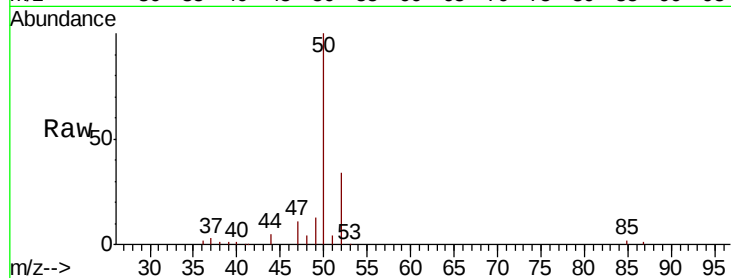
P001-DS001-01MS

Tot Ion: 50 Resp: 30888

Ion Ratio Lower Upper

50 100

52 34.2 25.1 37.7



#4

Vinyl Chloride

Concen: 123.123 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007790.D

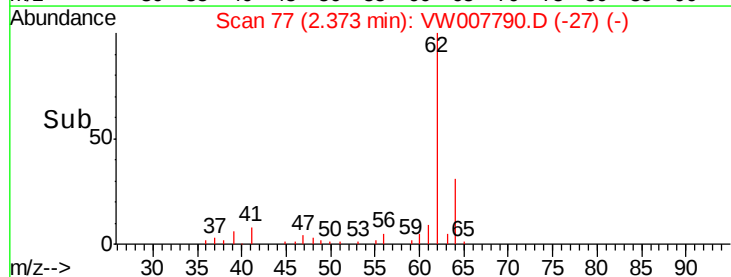
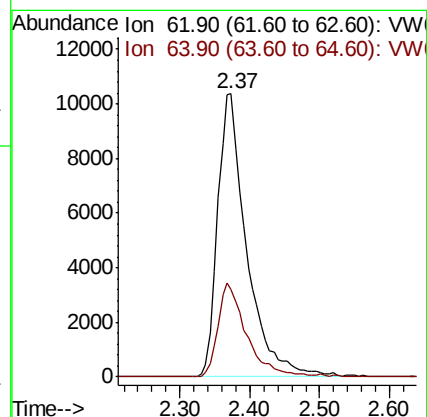
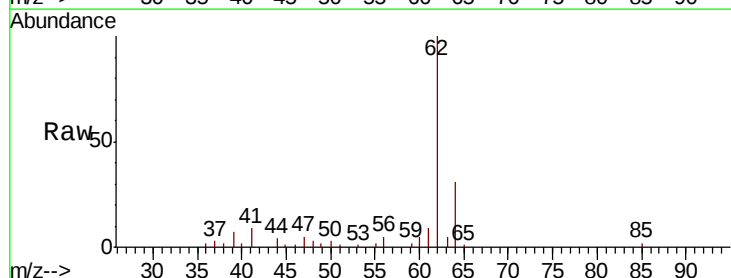
Acq: 21 Dec 2018 12:34

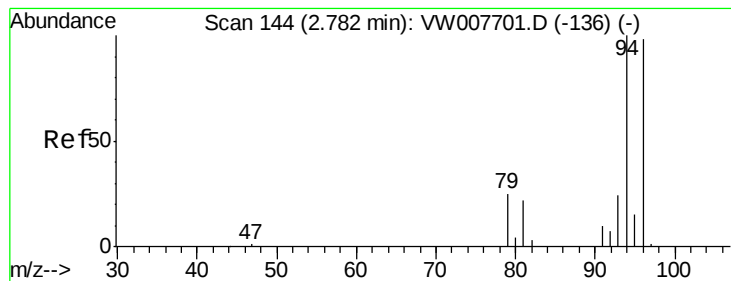
Tgt Ion: 62 Resp: 29875

Ion Ratio Lower Upper

62 100

64 31.1 23.4 35.0





#5

Bromomethane

Concen: 112.395 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

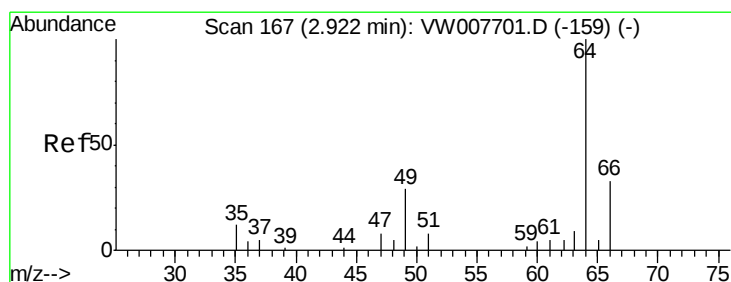
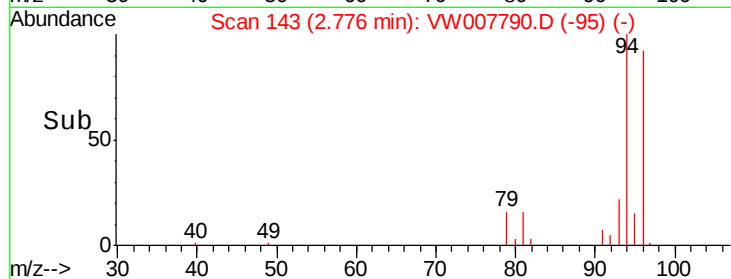
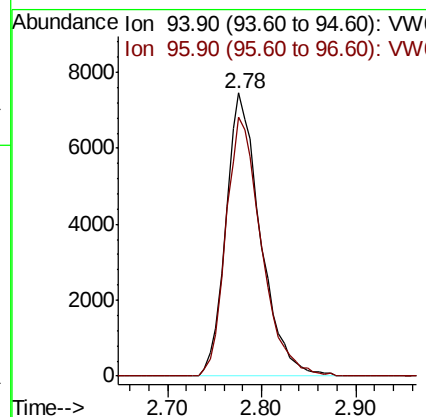
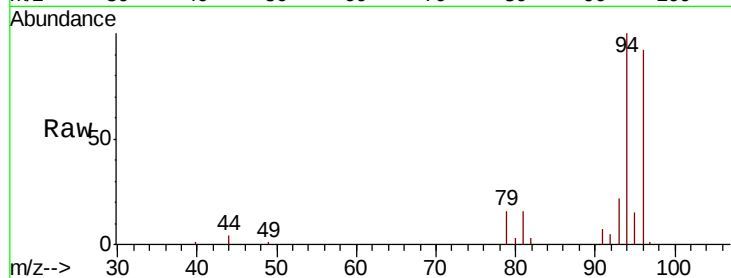
P001-DS001-01MS

Tot Ion: 94 Resp: 18995

Ion Ratio Lower Upper

94 100

96 91.6 78.2 117.2



#6

Chloroethane

Concen: 133.724 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007790.D

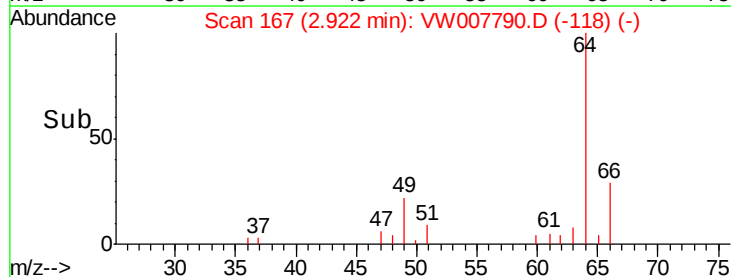
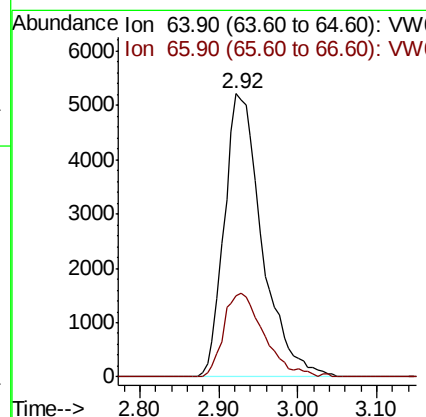
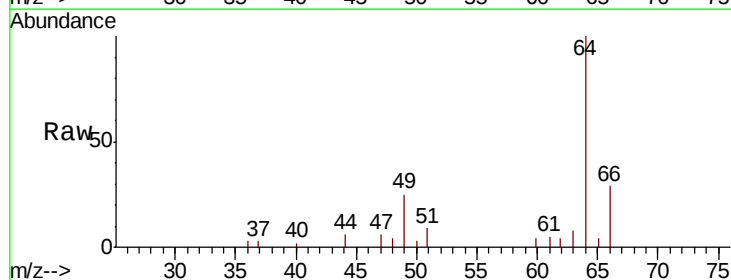
Acq: 21 Dec 2018 12:34

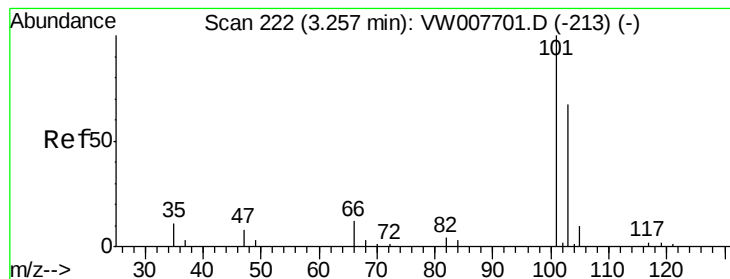
Tgt Ion: 64 Resp: 17359

Ion Ratio Lower Upper

64 100

66 28.7 26.2 39.4



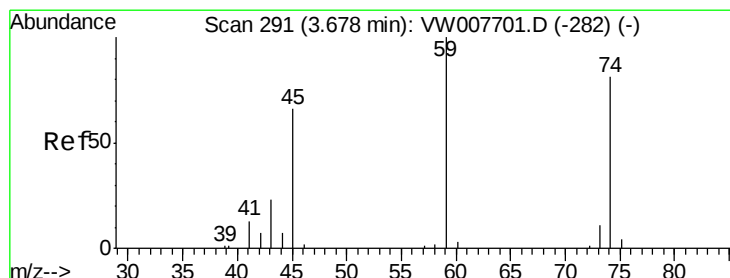
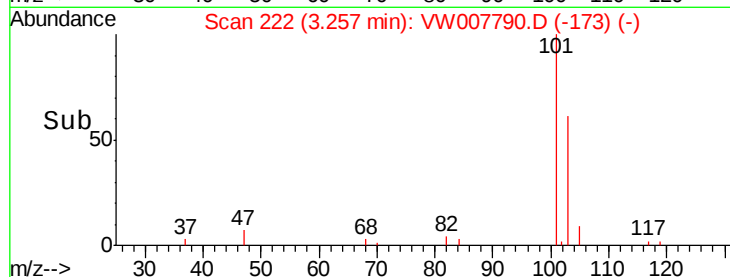
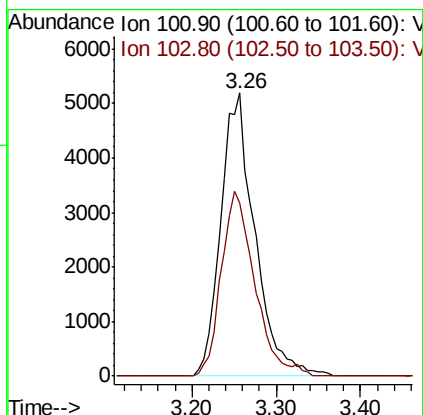
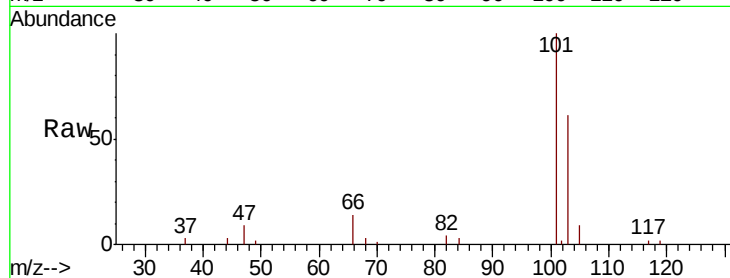


#7

Trichlorofluoromethane
 Concen: 56.786 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007790.D
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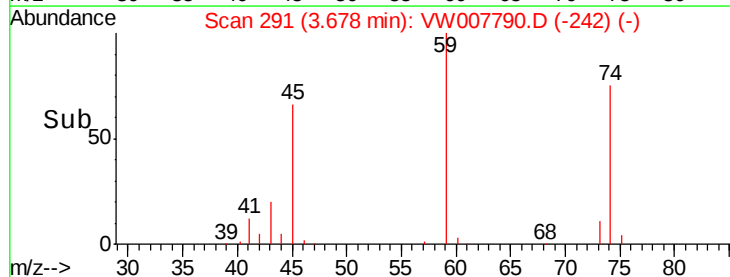
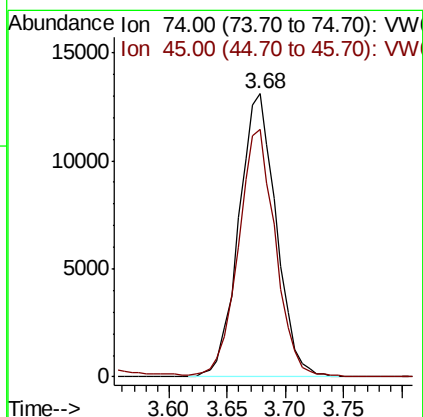
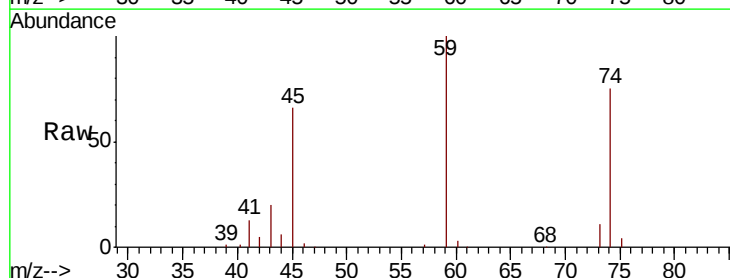
Tot Ion:101 Resp: 14345
 Ion Ratio Lower Upper
 101 100
 103 61.2 53.4 80.2

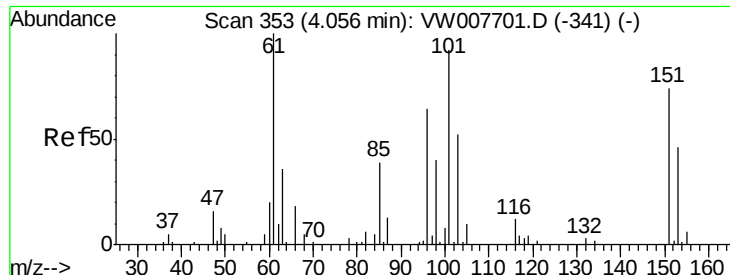


#8

Diethyl Ether
 Concen: 189.376 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 74 Resp: 29302
 Ion Ratio Lower Upper
 74 100
 45 87.1 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.795 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

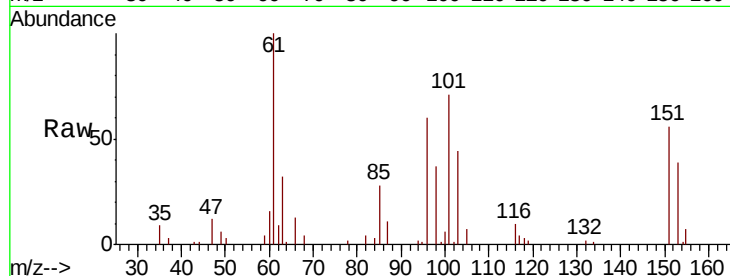
Tot Ion:101 Resp: 20014

Ion Ratio Lower Upper

101 100

85 42.0 34.3 51.5

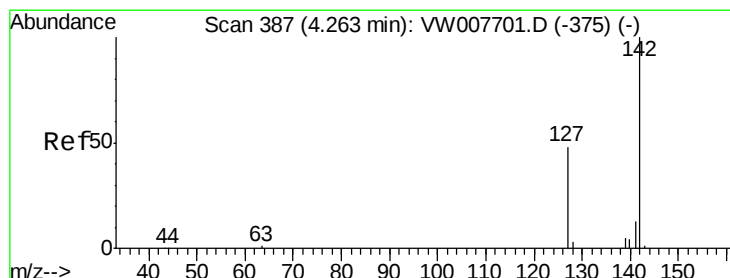
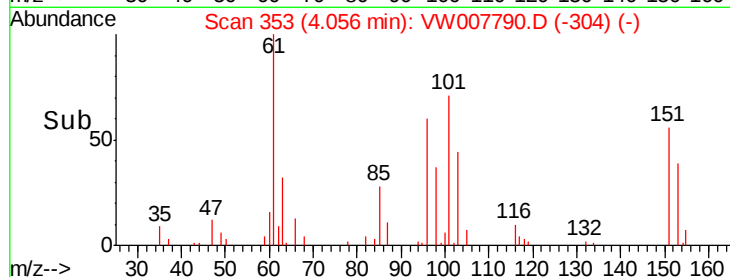
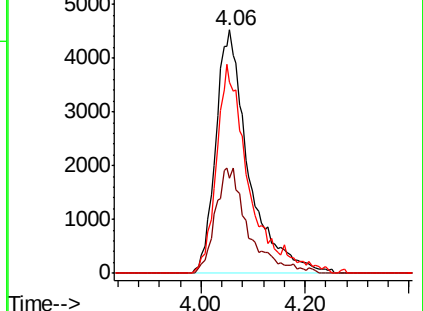
151 79.0 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 78.255 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

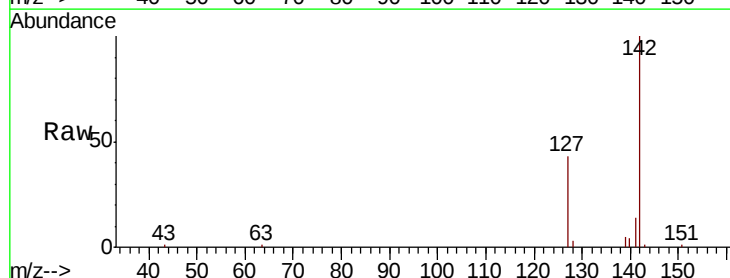
Tgt Ion:142 Resp: 46300

Ion Ratio Lower Upper

142 100

127 43.5 37.7 56.5

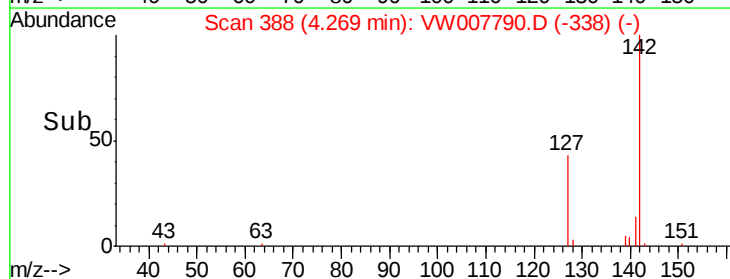
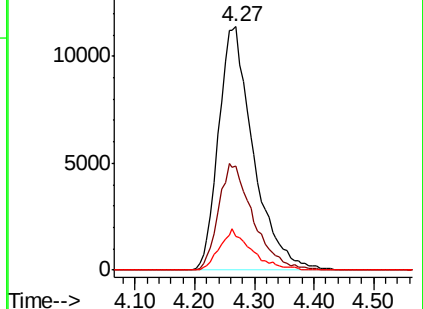
141 15.4 11.5 17.3

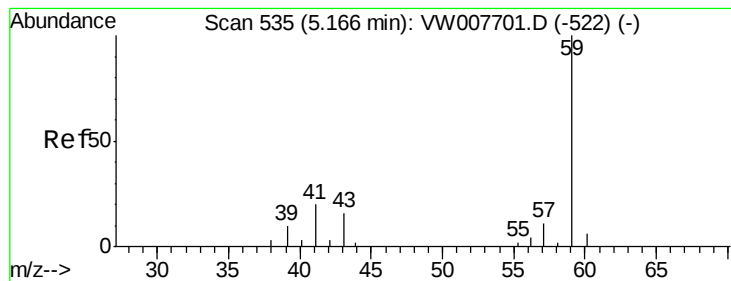


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



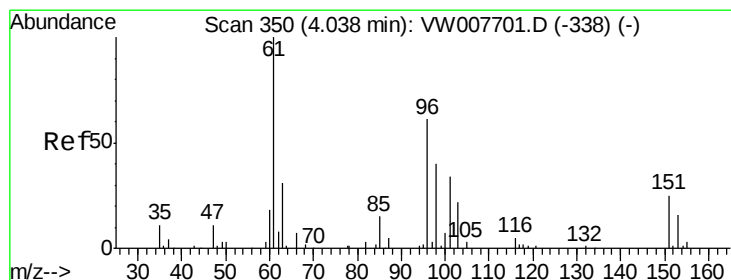
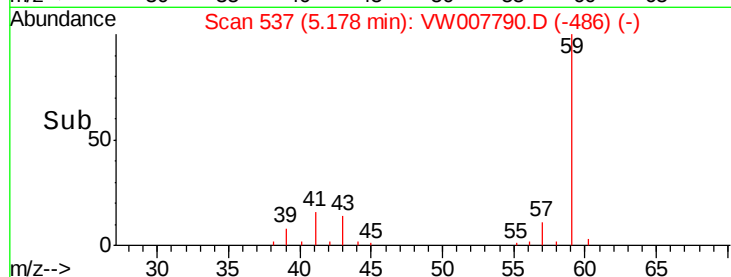
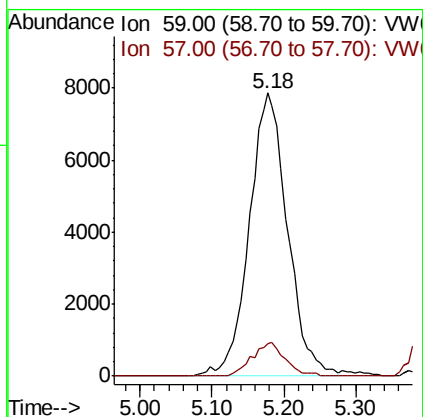
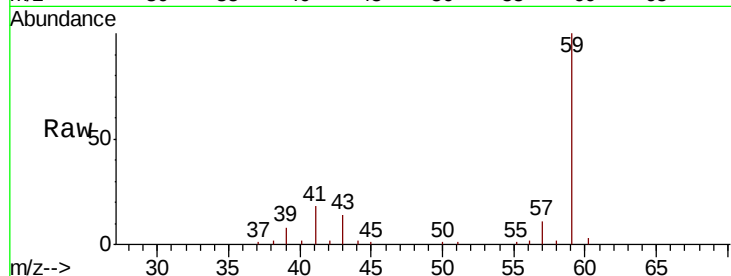


#11

Tert butyl alcohol
 Concen: 1119.483 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

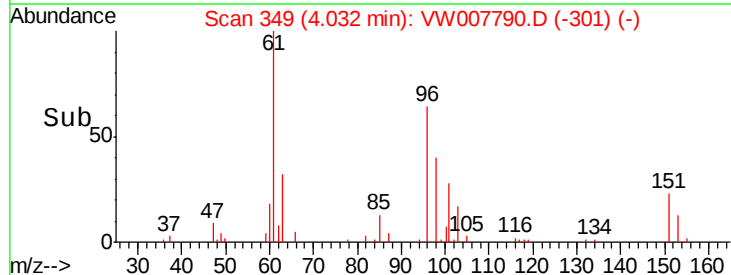
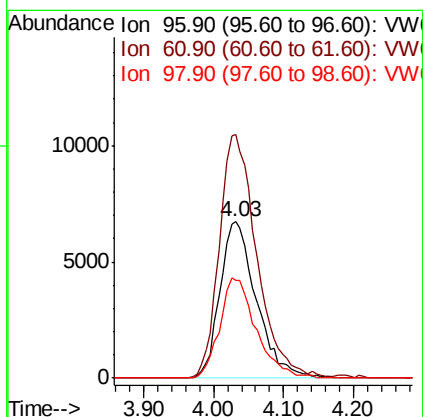
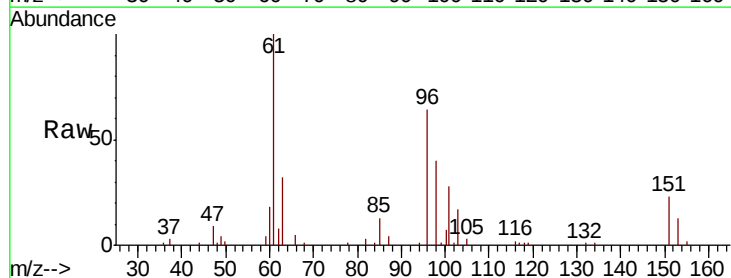
Tot Ion: 59 Resp: 28902
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.8 11.8

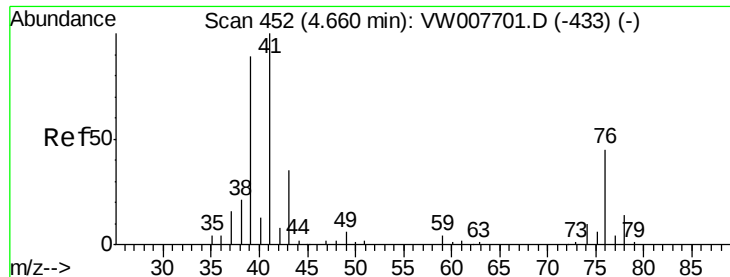


#12

1,1-Dichloroethene
 Concen: 70.617 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 96 Resp: 24328
 Ion Ratio Lower Upper
 96 100
 61 155.8 130.6 195.8
 98 62.5 52.3 78.5

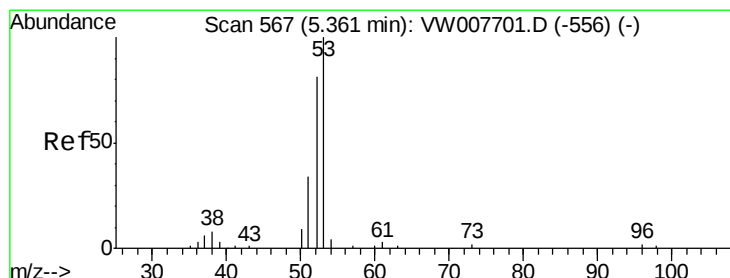
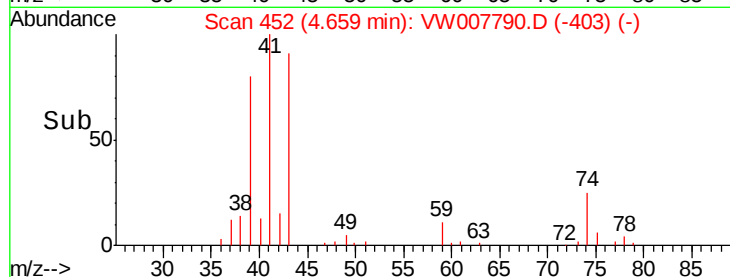
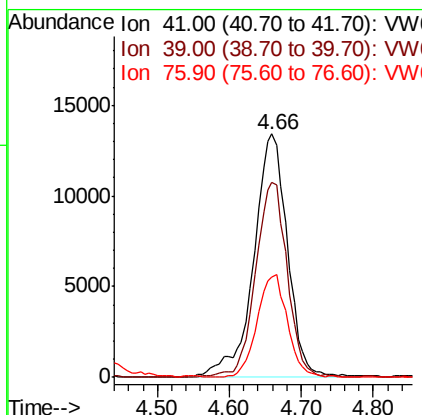
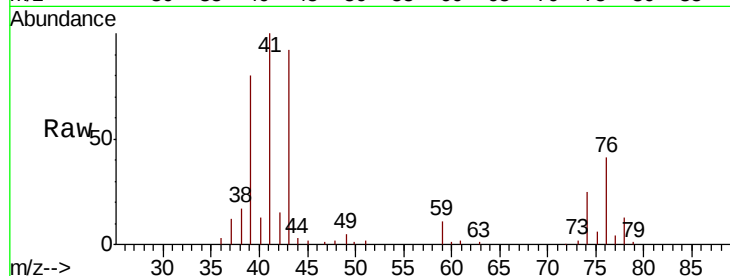




#14
Allvl chloride
Concen: 96.645 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

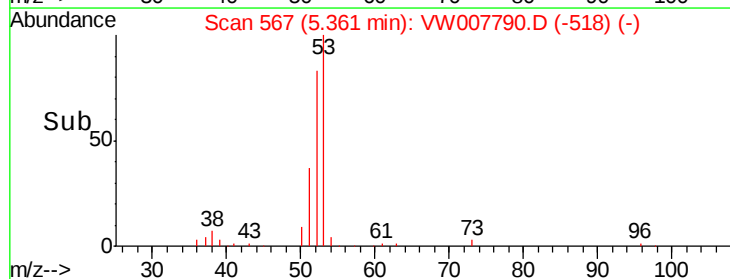
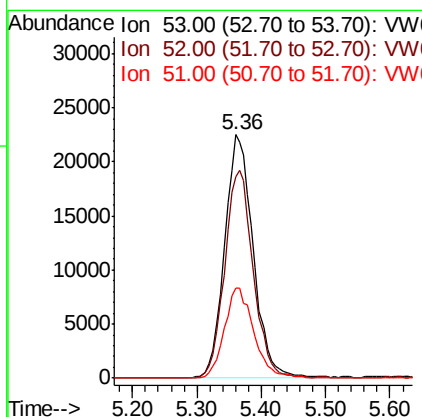
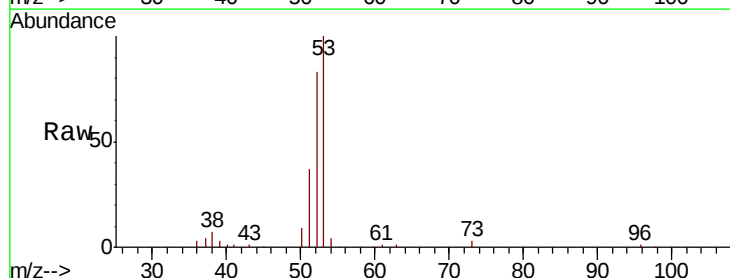
Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

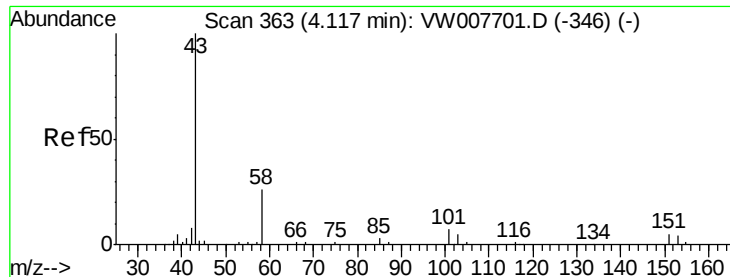
Tot Ion: 41 Resp: 43662
Ion Ratio Lower Upper
41 100
39 75.5 69.5 104.3
76 37.7 34.8 52.2



#15
Acrylonitrile
Concen: 1063.552 ug/l
RT: 5.36 min Scan# 567
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 53 Resp: 70197
Ion Ratio Lower Upper
53 100
52 85.1 67.0 100.4
51 38.1 30.2 45.2





#16

Acetone

Concen: 382.601 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

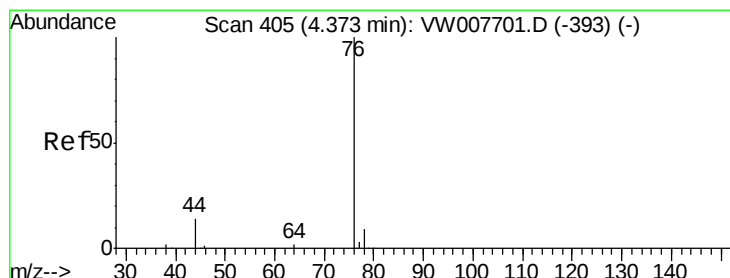
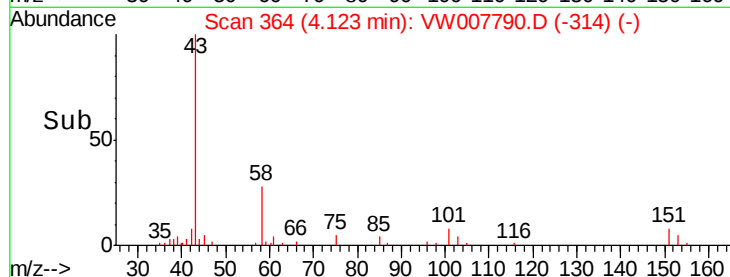
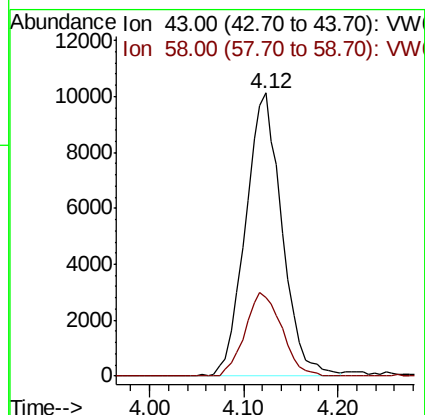
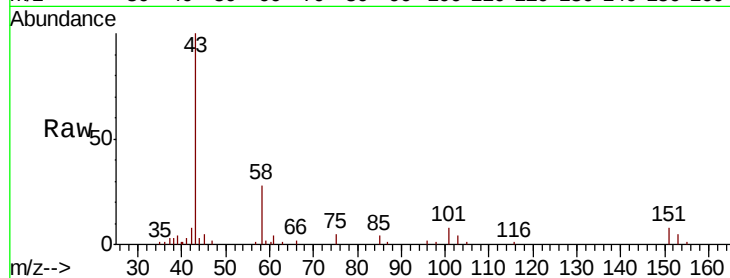
P001-DS001-01MS

Tot Ion: 43 Resp: 27420

Ion Ratio Lower Upper

43 100

58 27.8 21.2 31.8



#17

Carbon Disulfide

Concen: 45.710 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007790.D

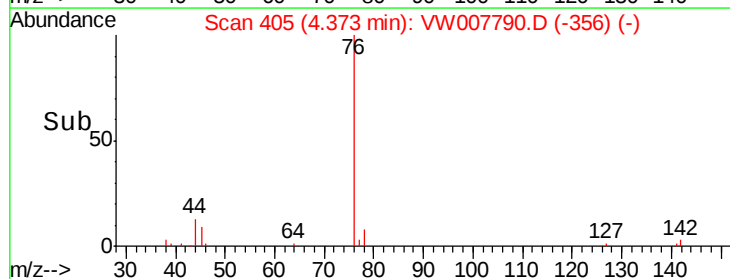
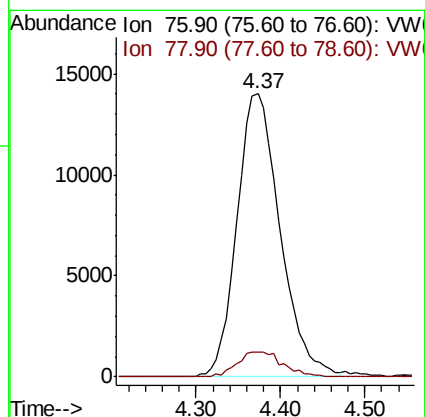
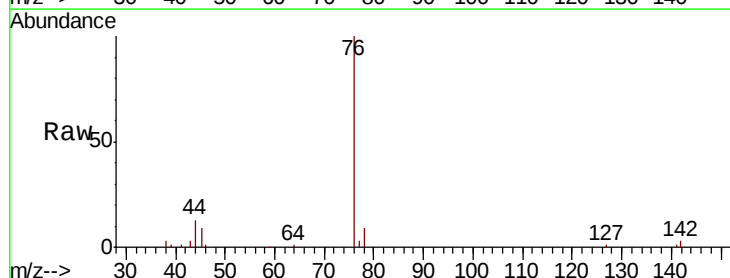
Acq: 21 Dec 2018 12:34

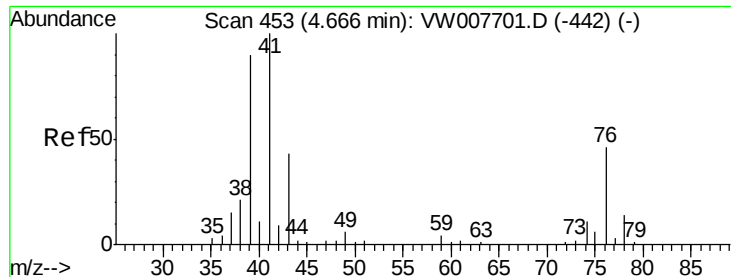
Tgt Ion: 76 Resp: 48731

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

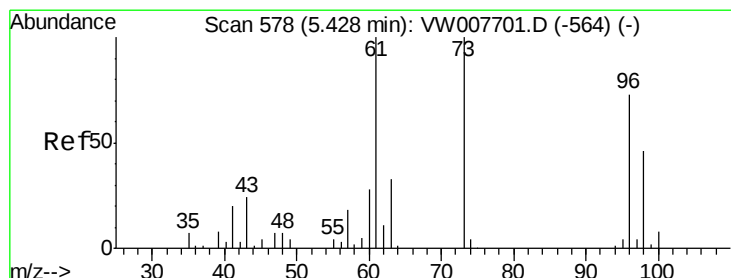
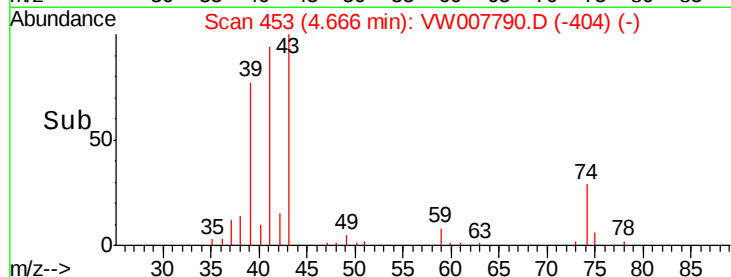
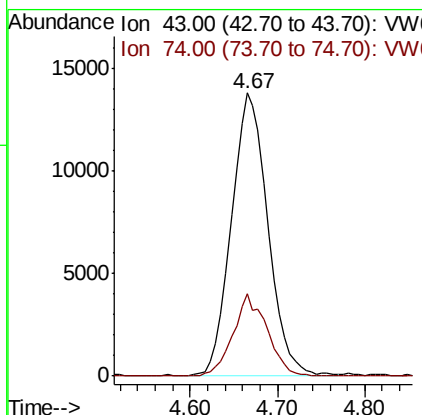
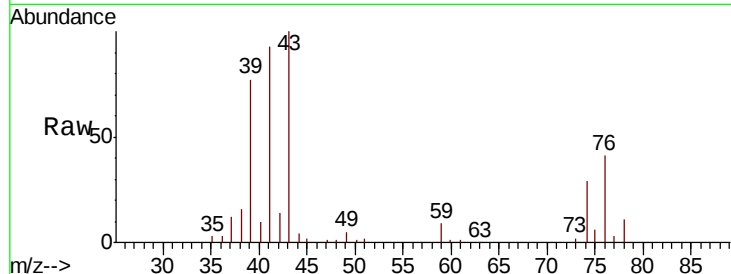




#18
Methyl Acetate
Concen: 234.134 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

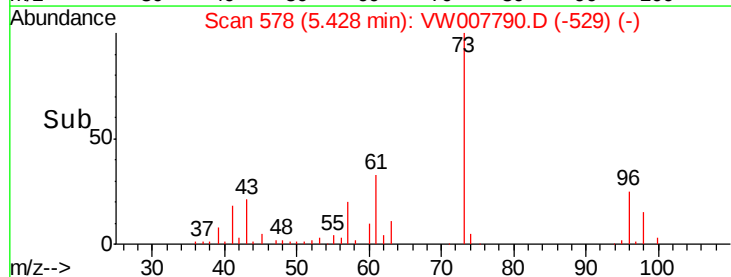
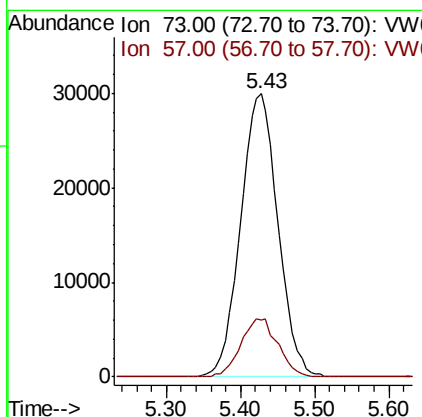
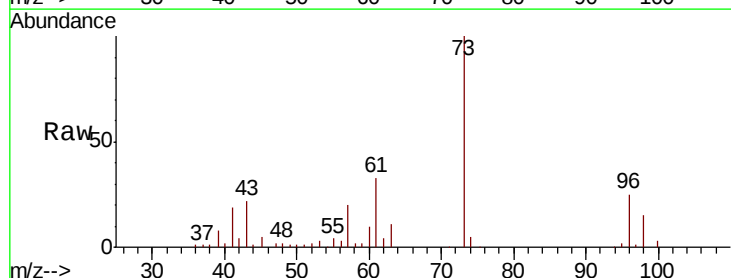
Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

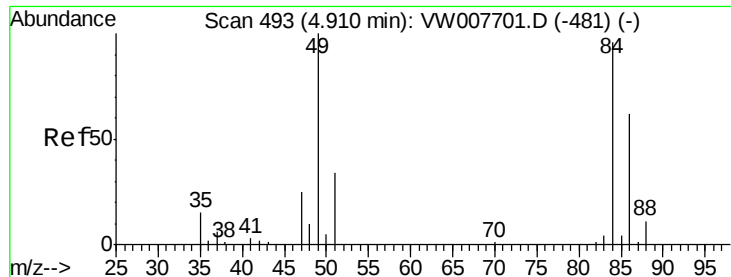
Tot Ion: 43 Resp: 39906
Ion Ratio Lower Upper
43 100
74 26.9 22.7 34.1



#19
Methyl tert-butyl Ether
Concen: 212.416 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 73 Resp: 105058
Ion Ratio Lower Upper
73 100
57 20.1 14.7 22.1





#20

Methylene Chloride

Concen: 158.855 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 84 Resp: 52014

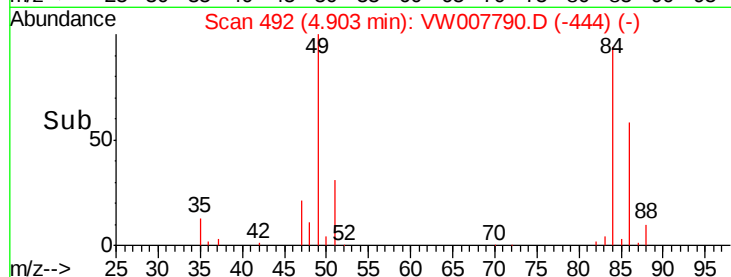
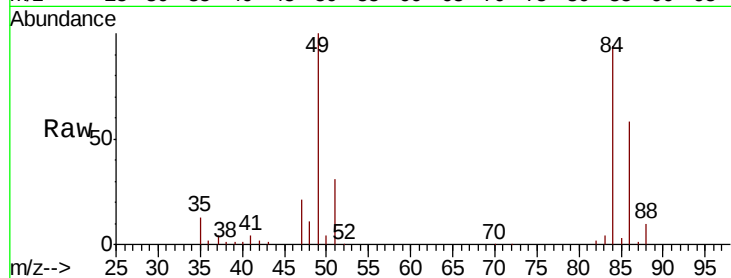
Ion Ratio Lower Upper

84 100

49 106.8 83.7 125.5

51 33.2 28.2 42.2

86 62.2 52.2 78.2

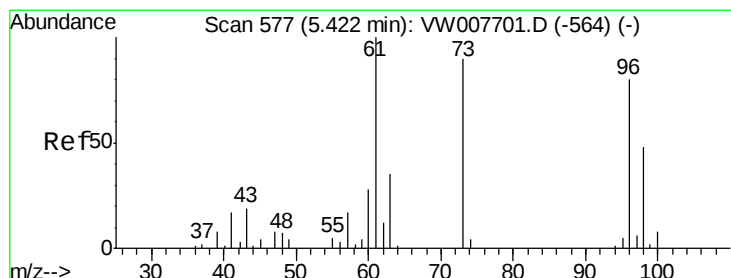
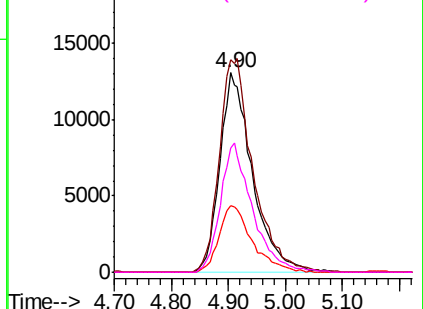


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#21

trans-1,2-Dichloroethene

Concen: 72.870 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

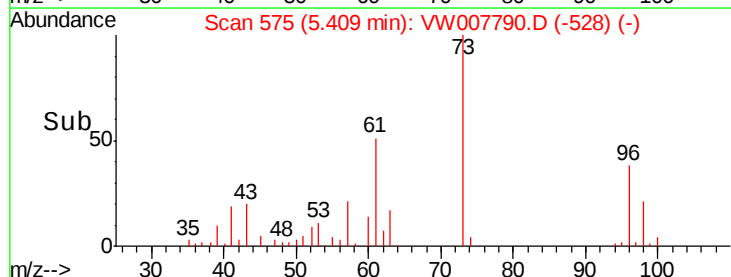
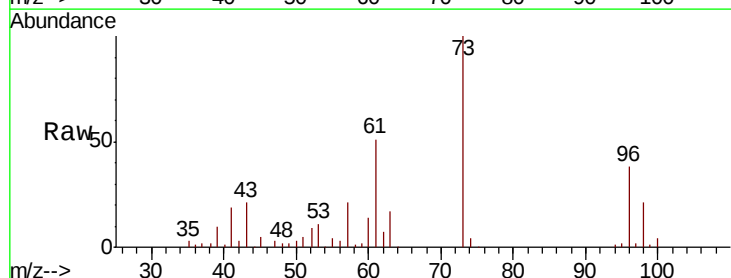
Tgt Ion: 96 Resp: 27610

Ion Ratio Lower Upper

96 100

61 133.9 100.1 150.1

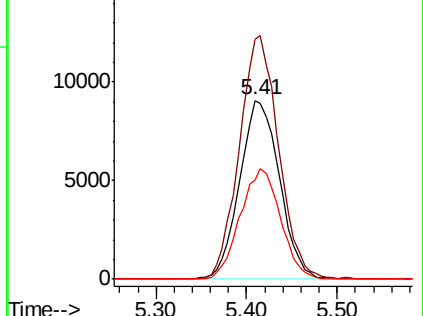
98 55.1 48.5 72.7

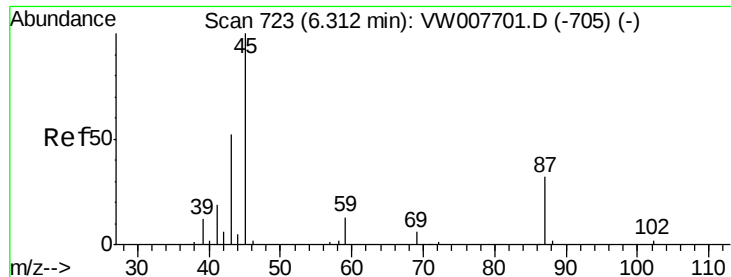


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#22

Diisopropyl ether

Concen: 150.875 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 45 Resp: 127630

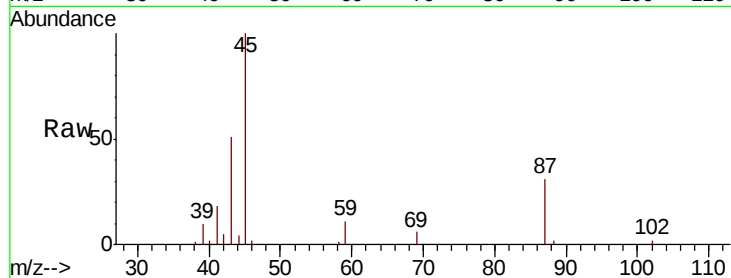
Ion Ratio Lower Upper

45 100

43 50.6 43.7 65.5

87 31.0 26.6 40.0

59 11.4 10.2 15.2



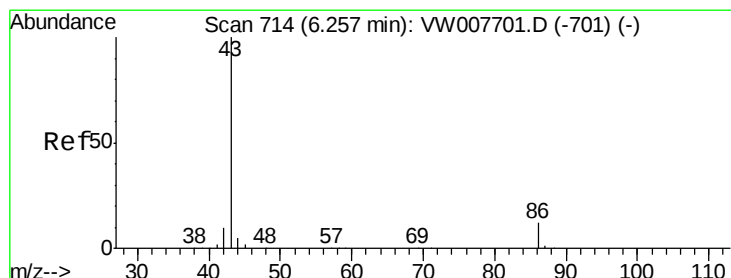
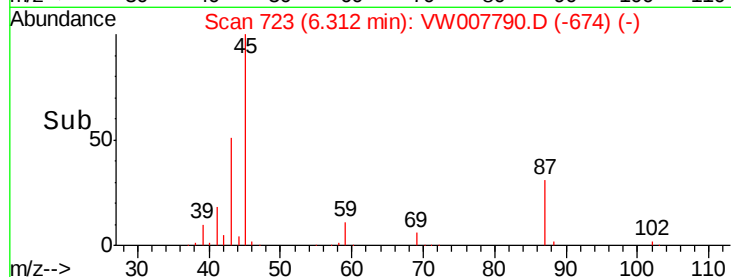
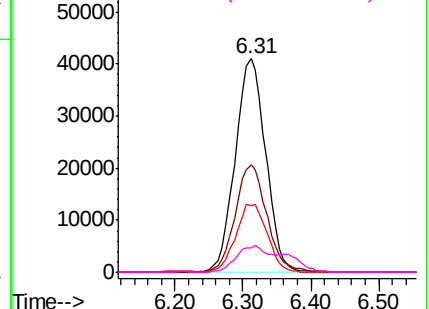
Abundance

Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW



#23

Vinyl Acetate

Concen: 132.753 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.05 min

Lab File: VW007790.D

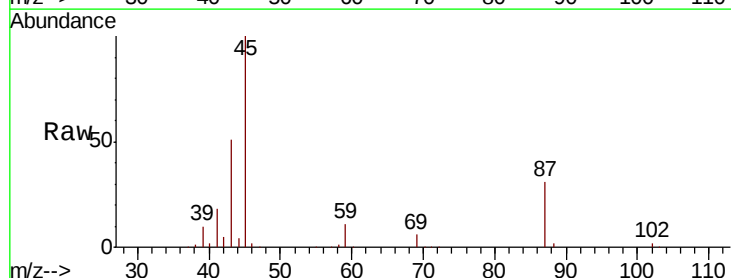
Acq: 21 Dec 2018 12:34

Tgt Ion: 43 Resp: 66721

Ion Ratio Lower Upper

43 100

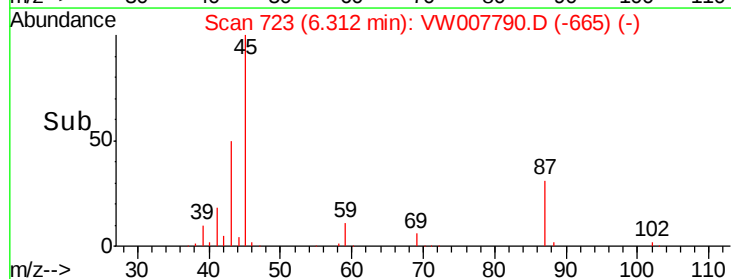
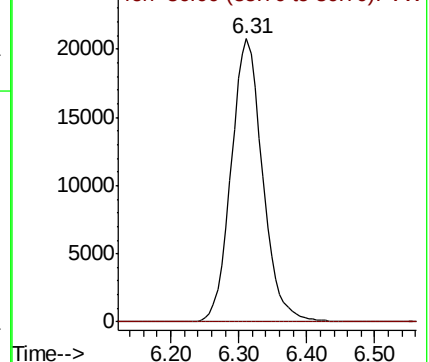
86 0.0 9.6 14.4#

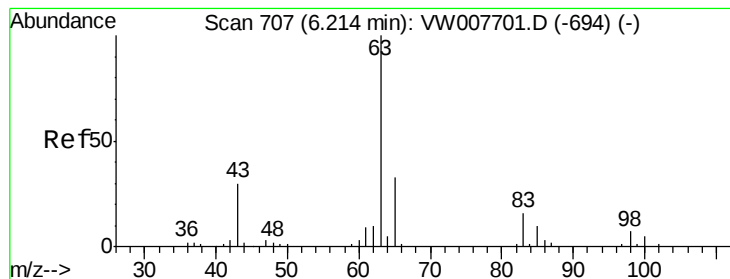


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 103.428 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

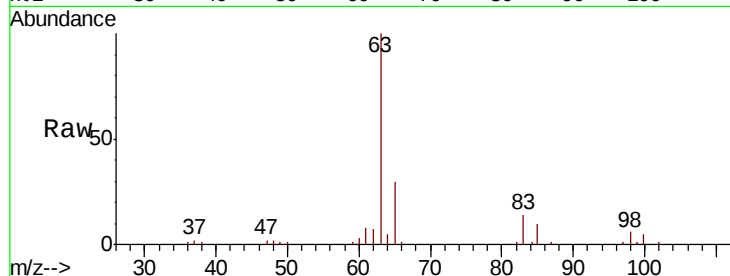
Tot Ion: 63 Resp: 64365

Ion Ratio Lower Upper

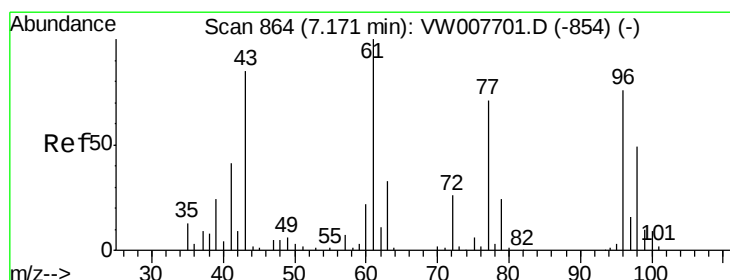
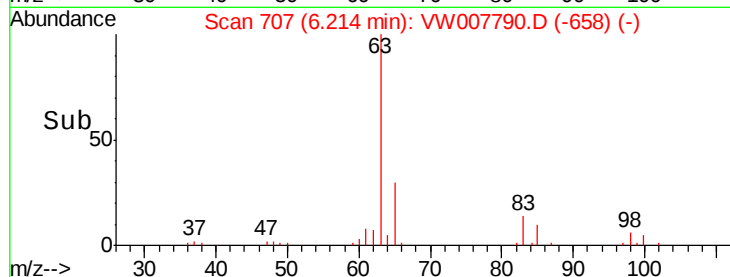
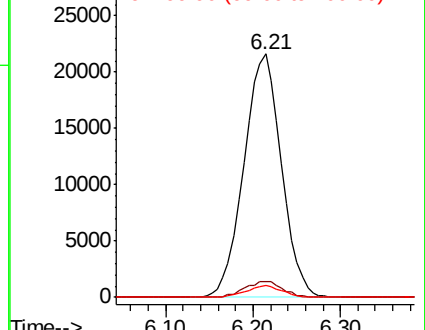
63 100

98 6.3 3.6 10.9

100 4.8 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 408.155 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007790.D

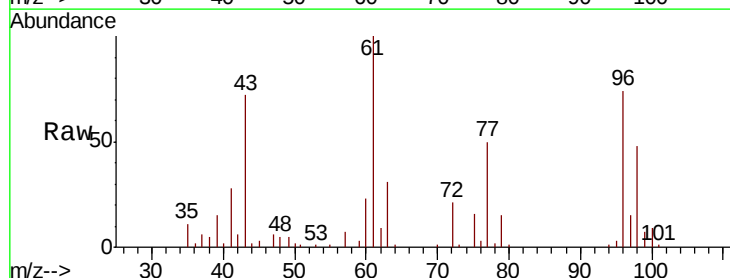
Acq: 21 Dec 2018 12:34

Tgt Ion: 43 Resp: 34262

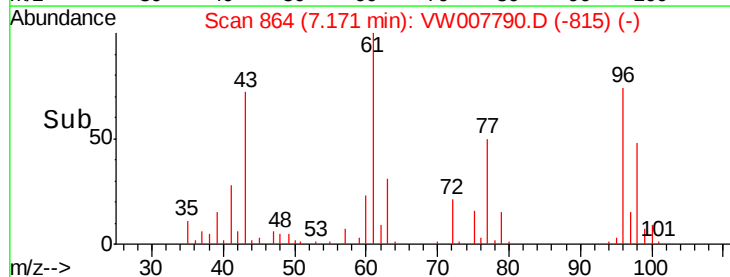
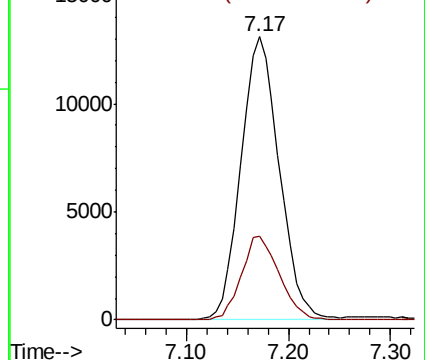
Ion Ratio Lower Upper

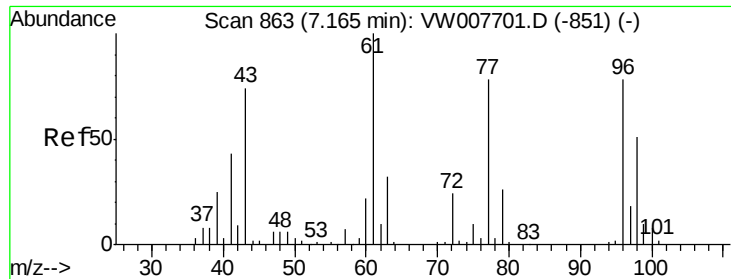
43 100

72 29.6 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

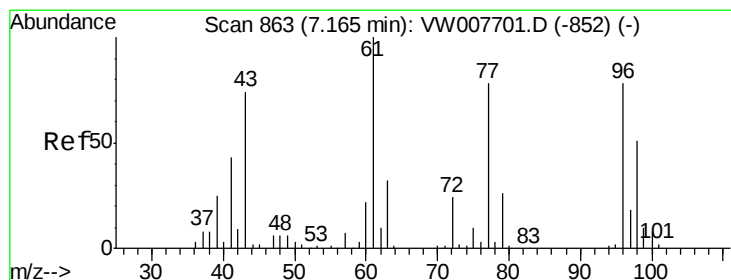
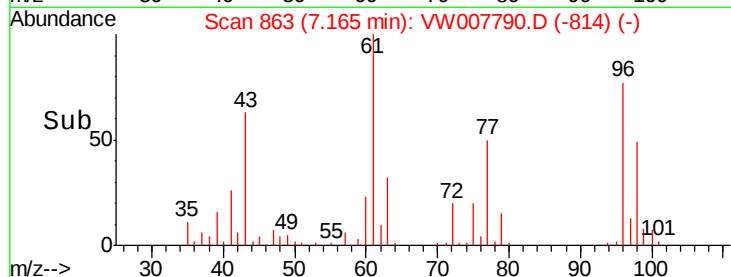
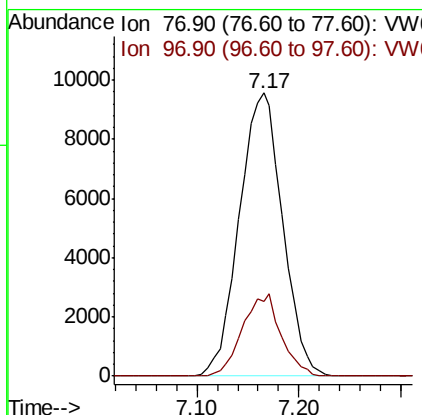
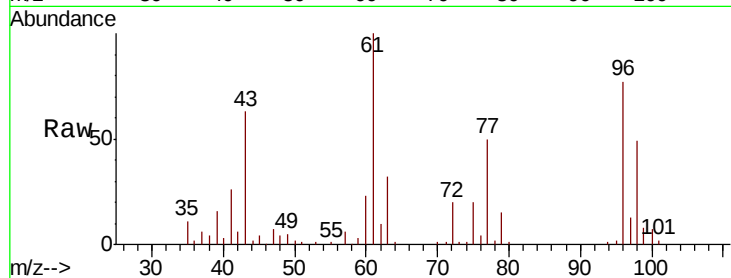




#26
 2,2-Dichloropropane
 Concen: 61.767 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

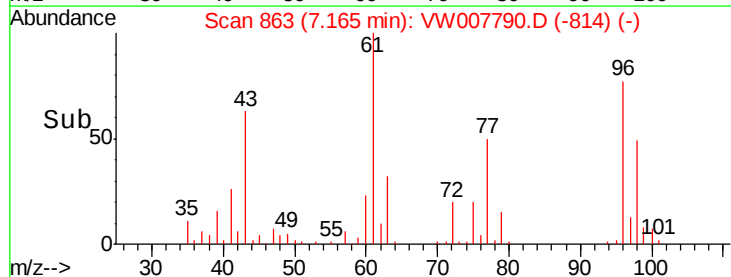
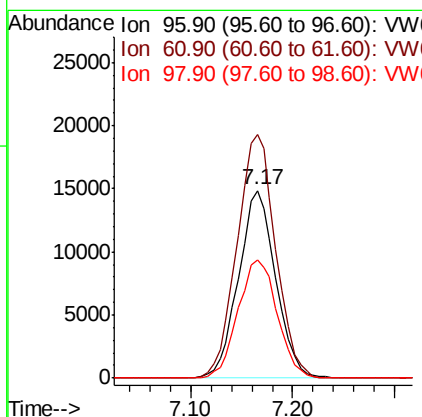
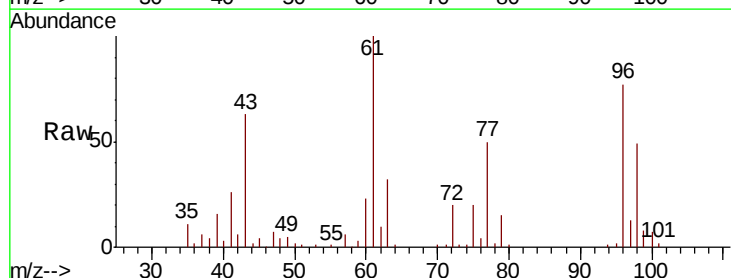
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

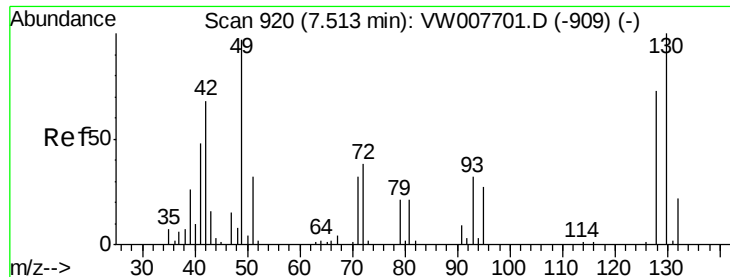
Tot Ion: 77 Resp: 28128
 Ion Ratio Lower Upper
 77 100
 97 25.8 11.3 33.9



#27
 cis-1,2-Dichloroethene
 Concen: 93.029 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 96 Resp: 37553
 Ion Ratio Lower Upper
 96 100
 61 134.9 0.0 271.6
 98 66.4 0.0 131.2

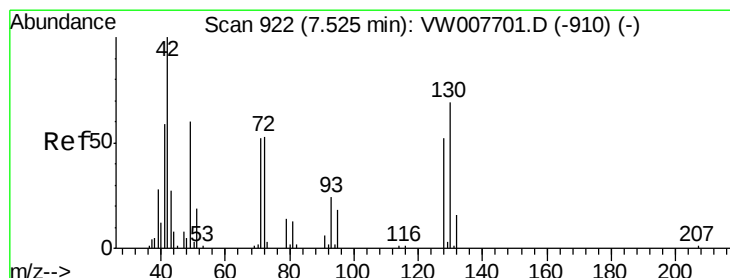
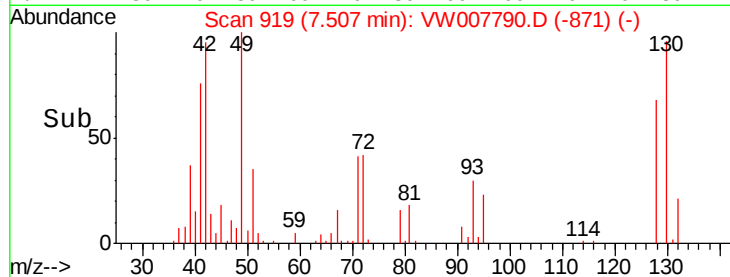
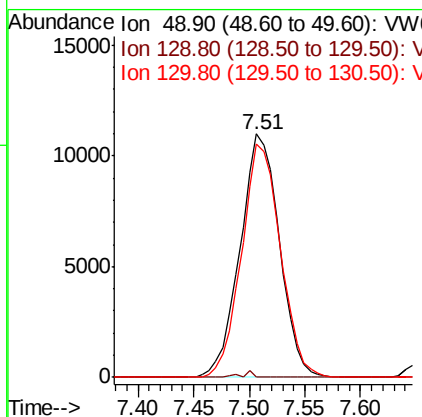
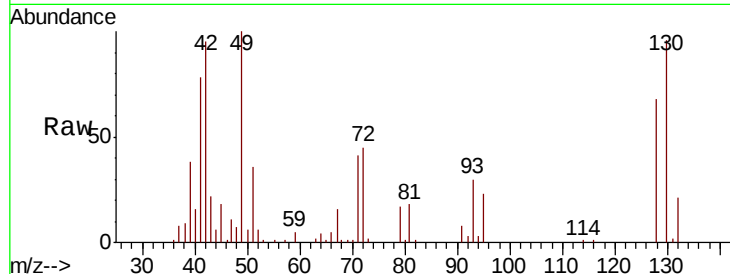




#28
Bromochloromethane
Concen: 127.108 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

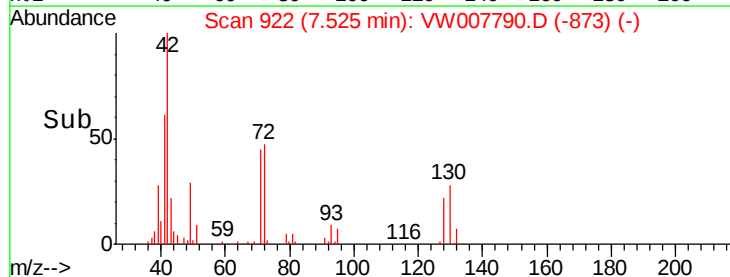
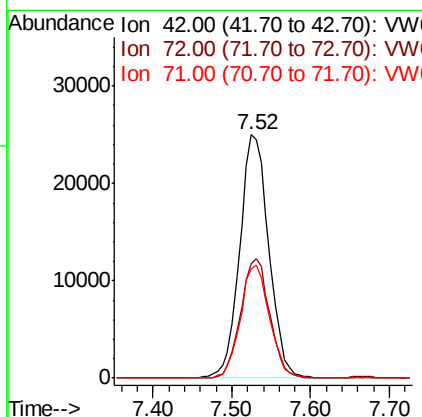
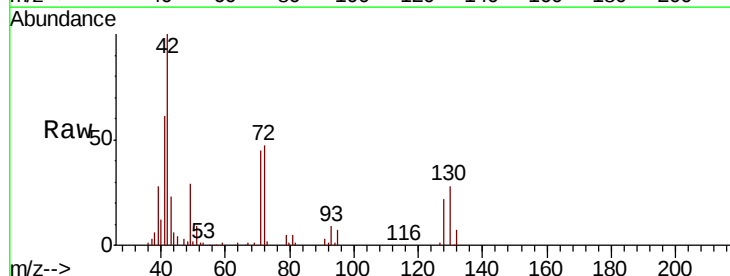
Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

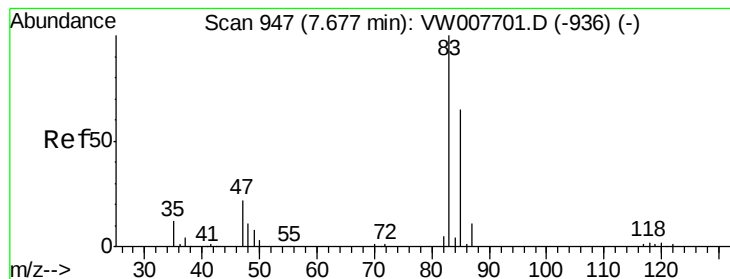
Tot Ion: 49 Resp: 26970
Ion Ratio Lower Upper
49 100
129 0.8 0.0 2.2
130 95.0 81.5 122.3



#29
Tetrahydrofuran
Concen: 1281.521 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 42 Resp: 64167
Ion Ratio Lower Upper
42 100
72 48.9 41.7 62.5
71 46.5 39.0 58.6





#30

Chloroform

Concen: 87.763 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

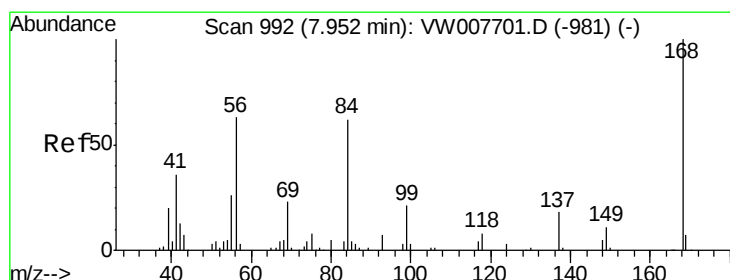
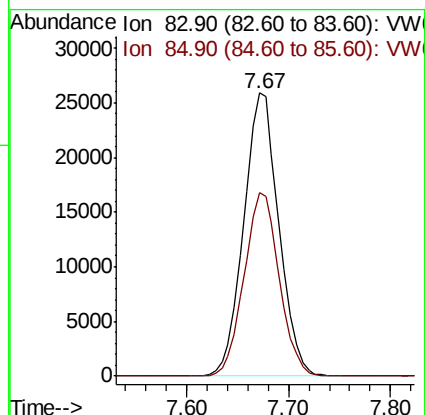
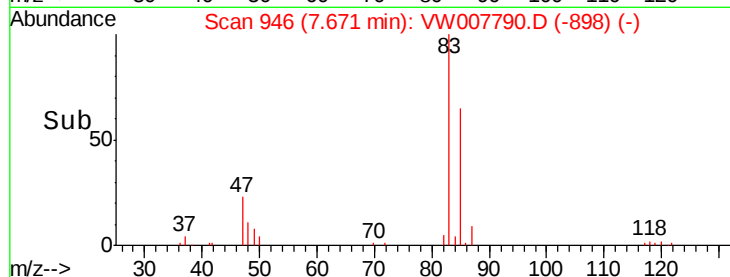
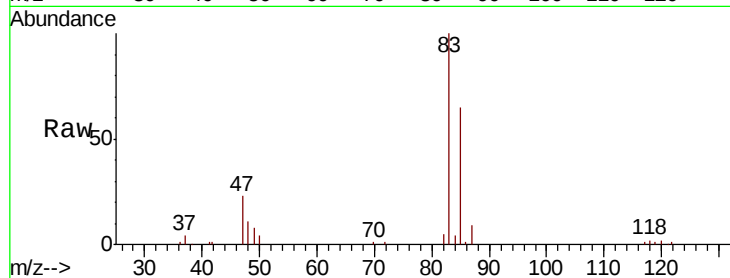
P001-DS001-01MS

Tot Ion: 83 Resp: 61809

Ion Ratio Lower Upper

83 100

85 64.7 52.2 78.2



#31

Cyclohexane

Concen: 30.196 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

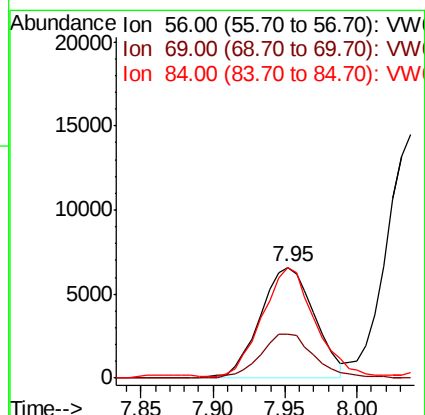
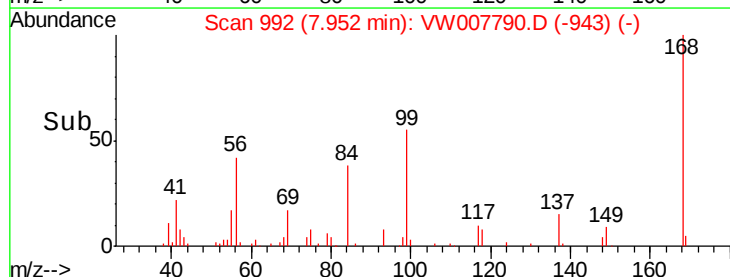
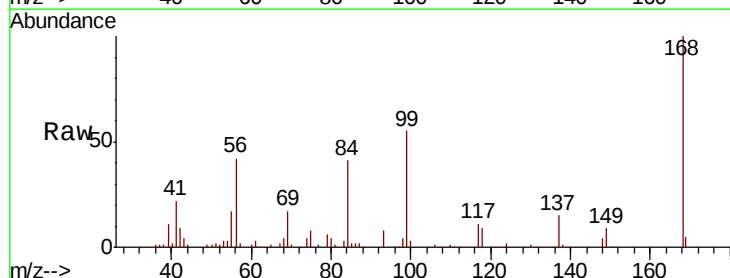
Tgt Ion: 56 Resp: 17203

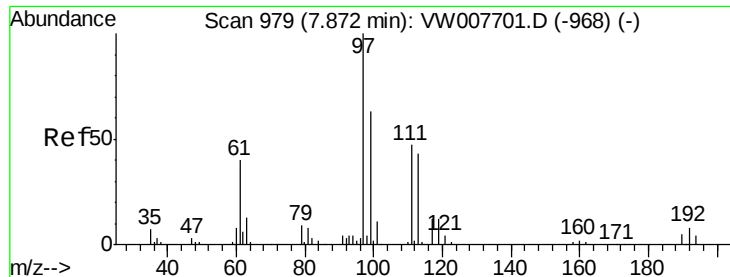
Ion Ratio Lower Upper

56 100

69 39.9 29.7 44.5

84 97.0 78.9 118.3

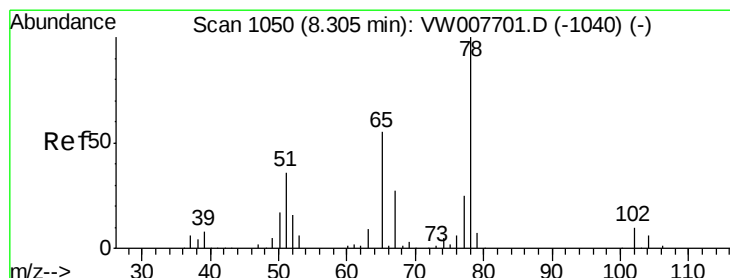
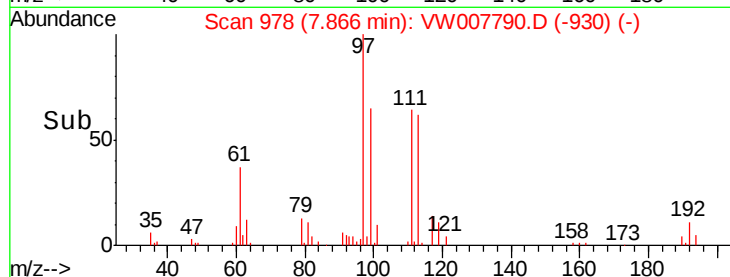
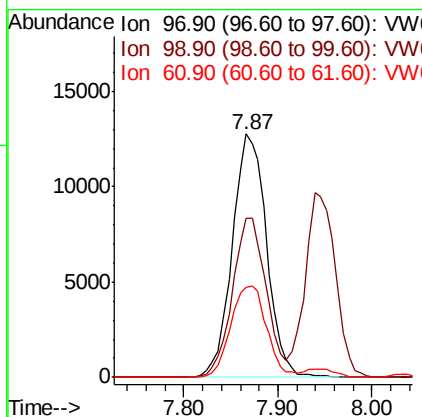
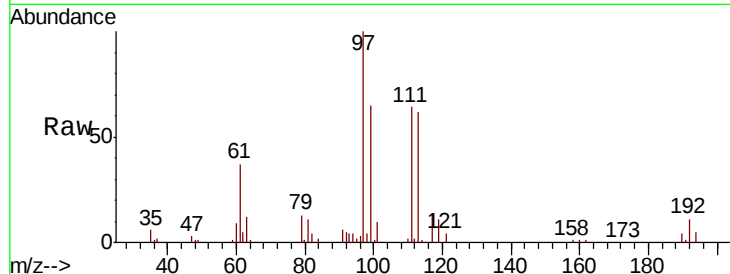




#32
 1,1,1-Trichloroethane
 Concen: 50.446 ug/l
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

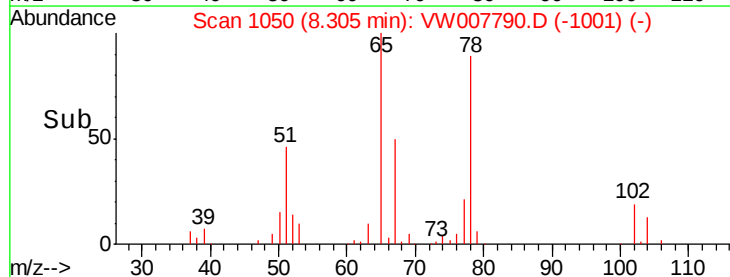
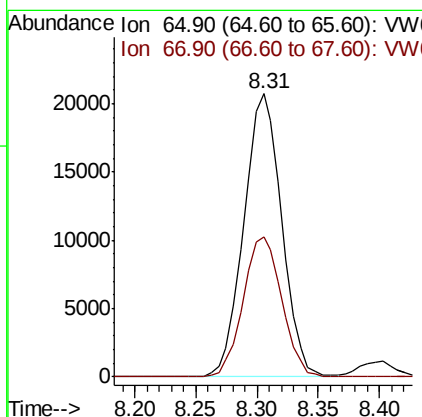
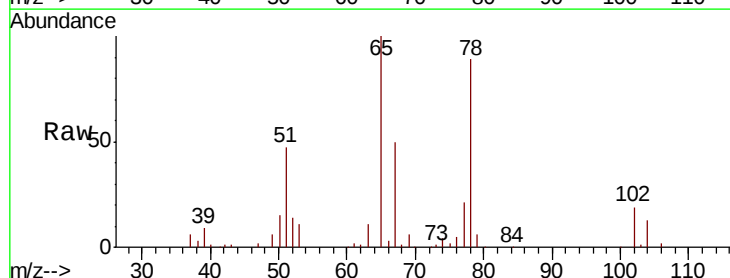
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

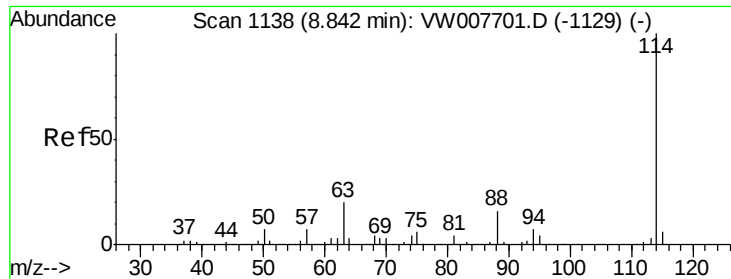
Tot Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.6	76.0
61	39.4	32.3	48.5



#33
 1,2-Dichloroethane-d4
 Concen: 116.797 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.6

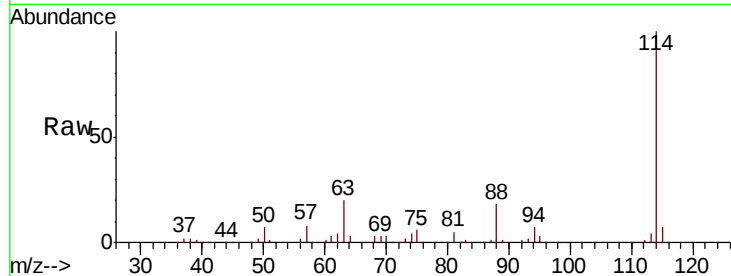




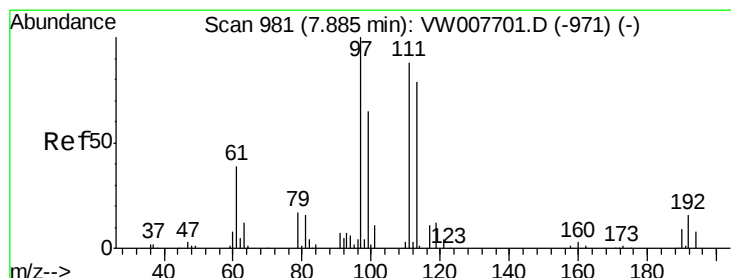
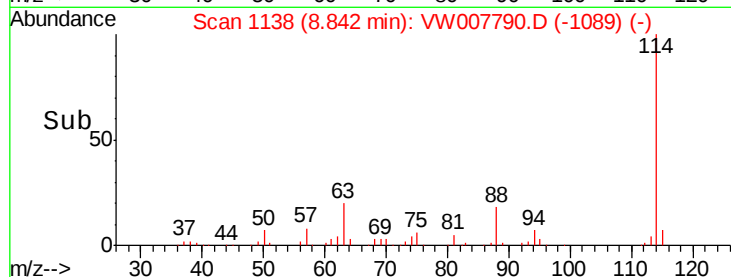
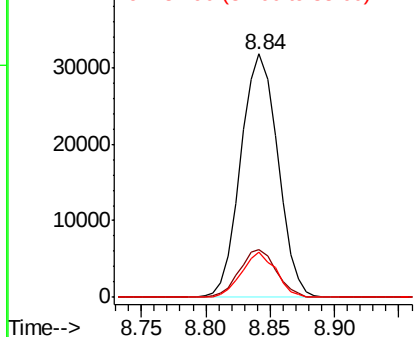
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tot Ion:114 Resp: 63472
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 18.4 0.0 32.6

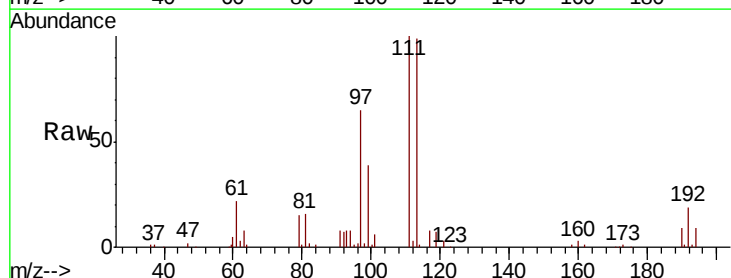


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

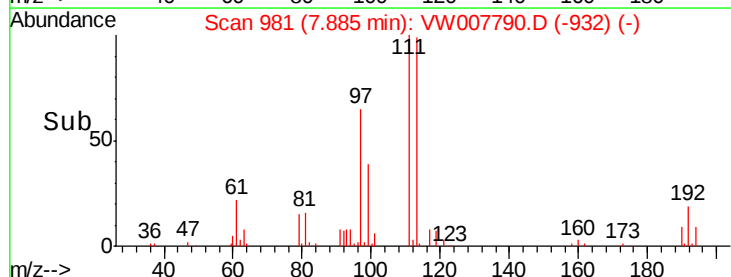
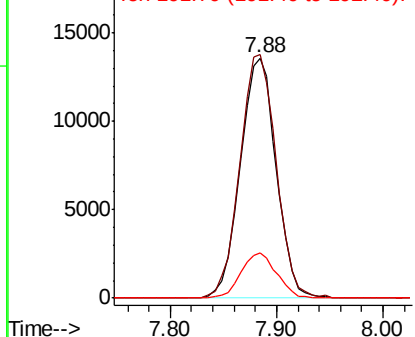


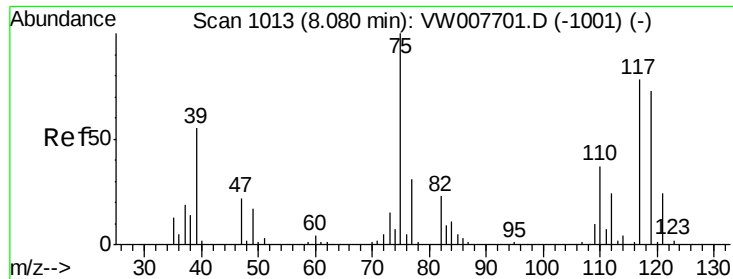
#35
 Dibromofluoromethane
 Concen: 82.831 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion:113 Resp: 32073
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.6 124.0
 192 18.7 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

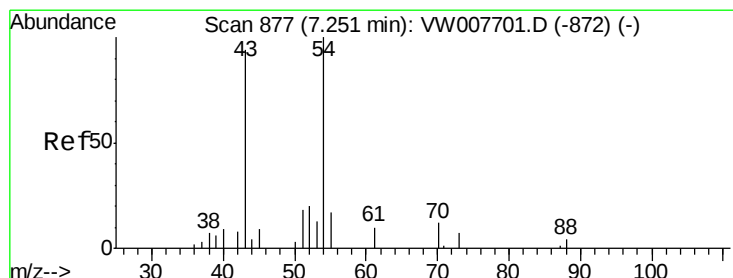
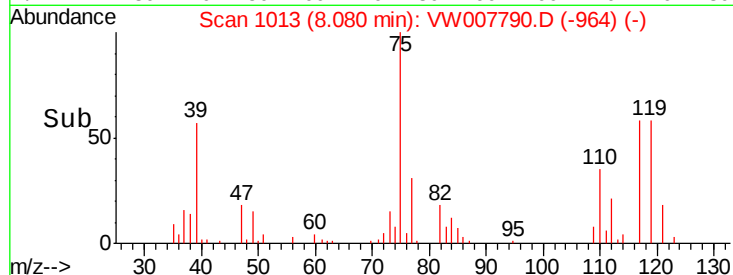
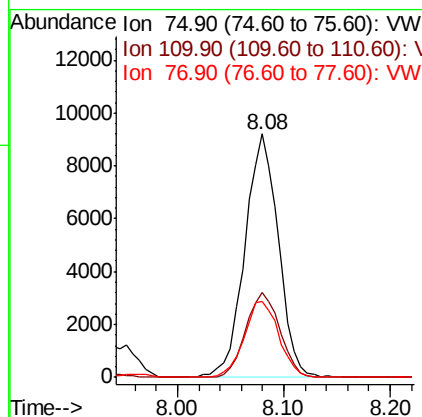
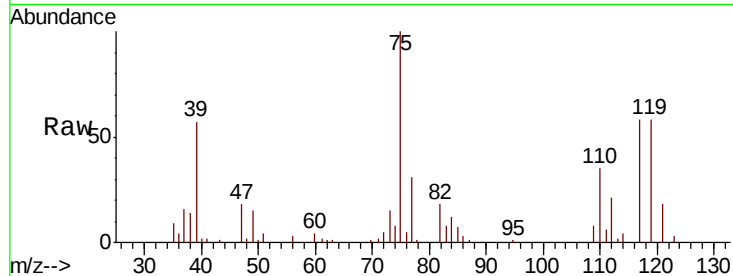




#36
 1,1-Dichloropropene
 Concen: 33.158 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

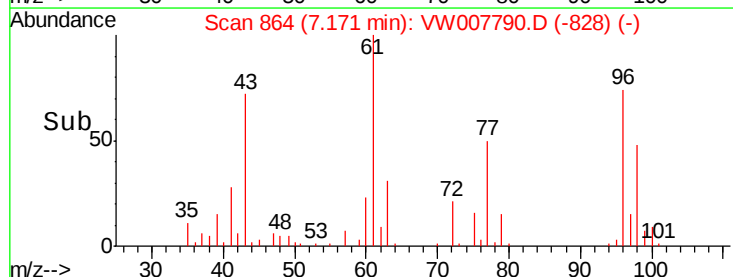
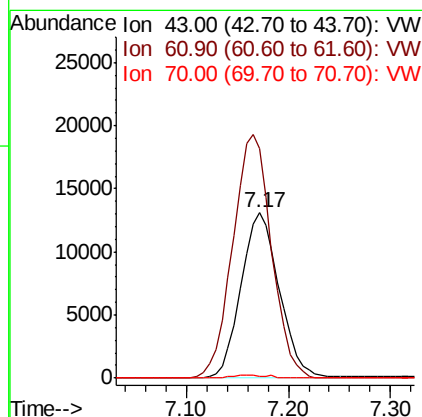
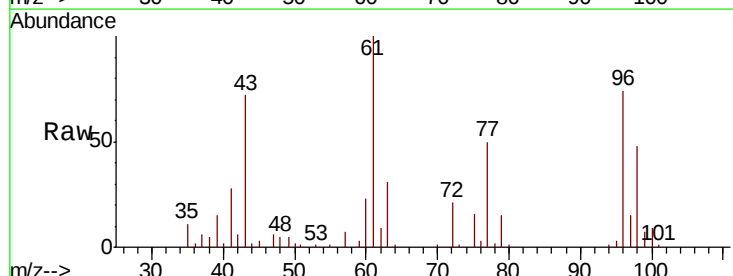
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

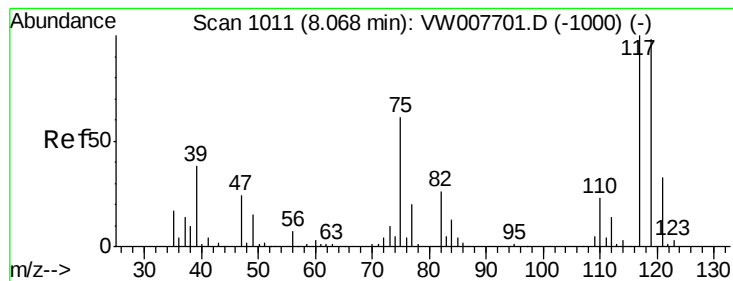
Tot Ion: 75 Resp: 20313
 Ion Ratio Lower Upper
 75 100
 110 35.3 18.6 55.8
 77 32.4 25.0 37.4



#37
 Ethyl Acetate
 Concen: 162.054 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 43 Resp: 34262
 Ion Ratio Lower Upper
 43 100
 61 147.9 11.2 16.8#
 70 1.7 9.3 13.9#





#38

Carbon Tetrachloride

Concen: 29.258 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

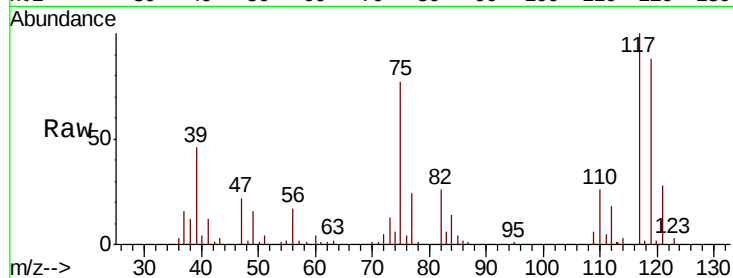
Tot Ion:117 Resp: 21109

Ion Ratio Lower Upper

117 100

119 87.6 78.2 117.2

121 28.5 26.1 39.1

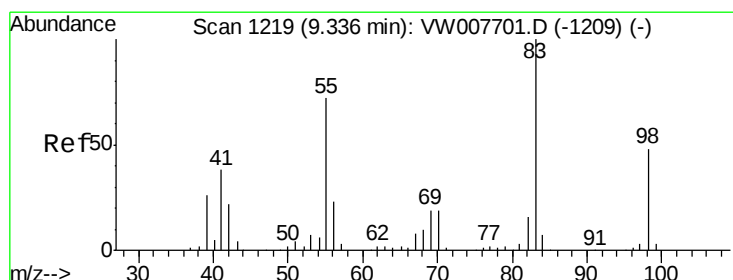
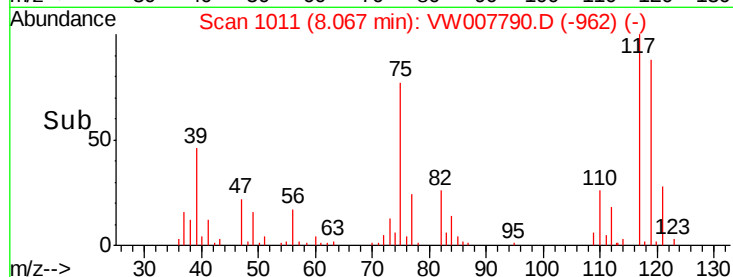
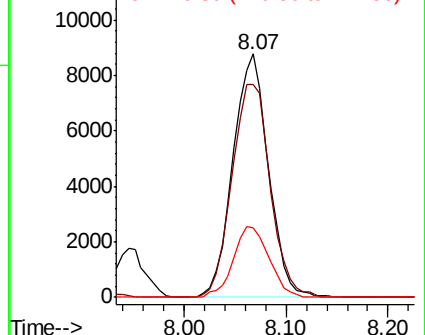


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 19.212 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

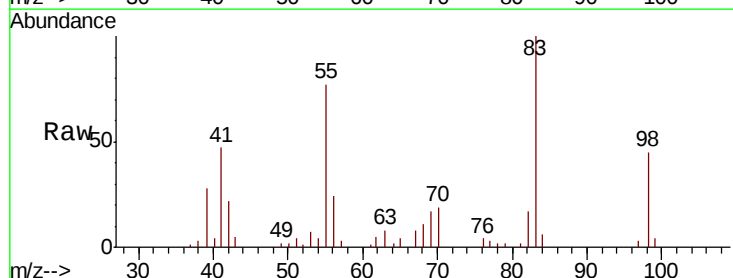
Tgt Ion: 83 Resp: 14625

Ion Ratio Lower Upper

83 100

55 76.6 57.2 85.8

98 45.5 38.6 58.0

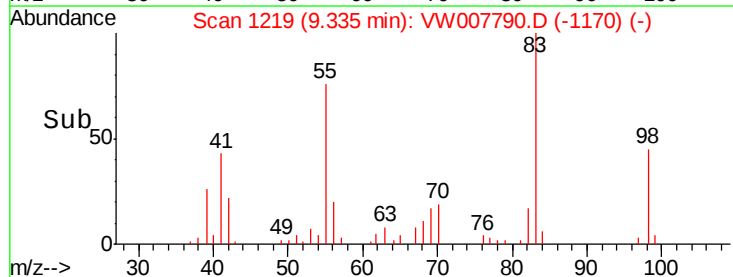
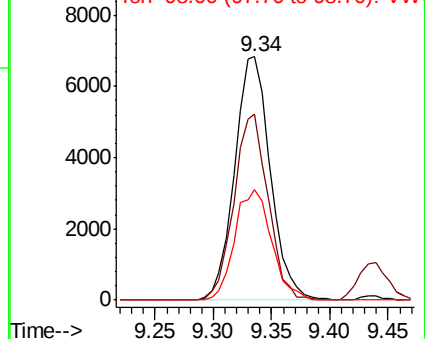


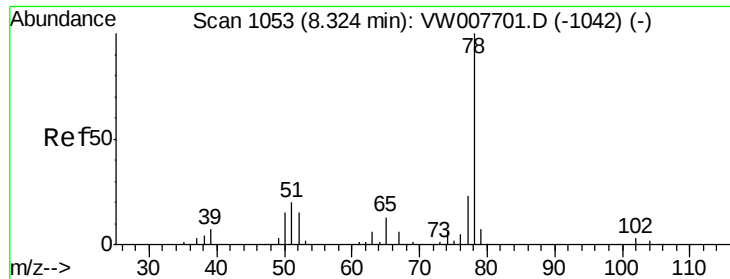
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 46.307 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

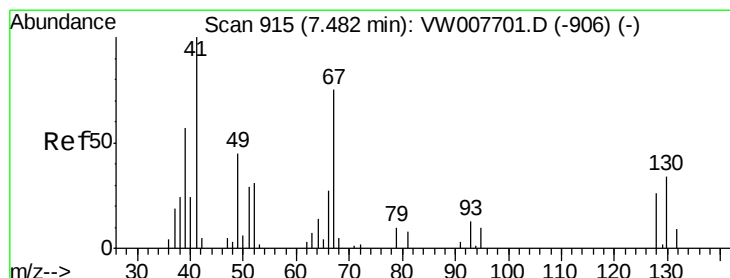
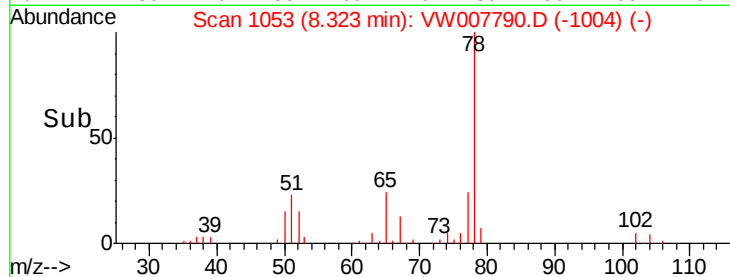
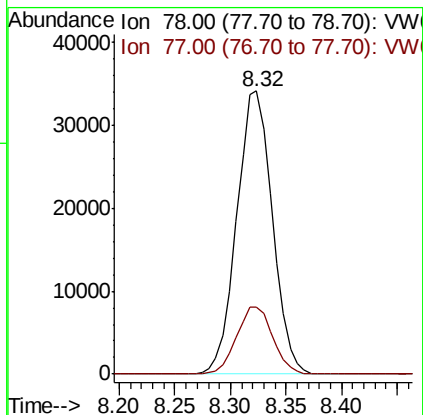
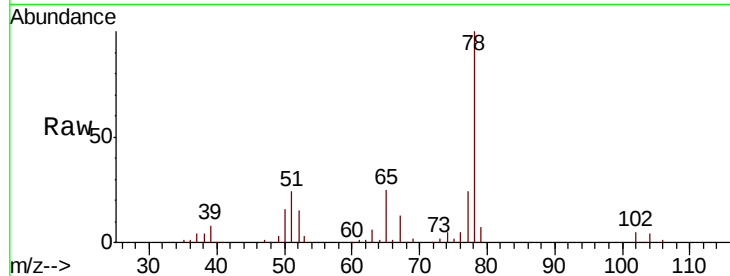
Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion: 78 Resp: 75701

Ion Ratio Lower Upper

78 100

77 23.7 18.7 28.1



#41

Methacrylonitrile

Concen: 455.363 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Tgt Ion: 41 Resp: 54660

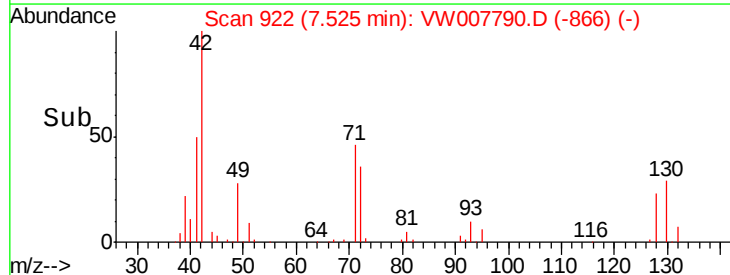
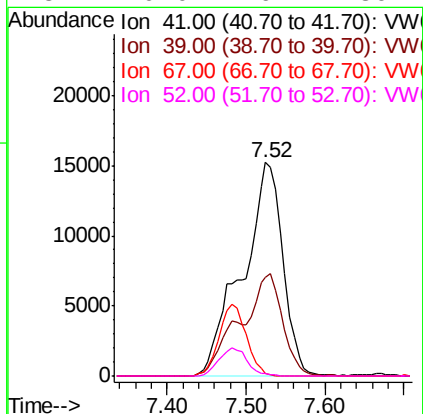
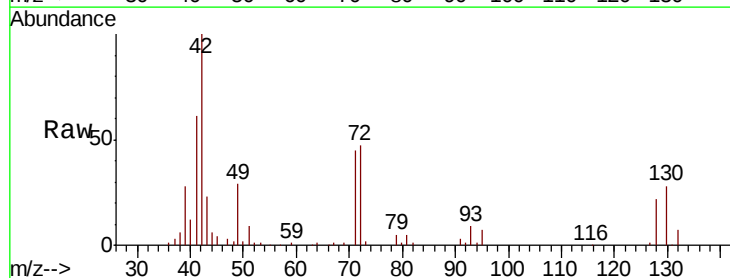
Ion Ratio Lower Upper

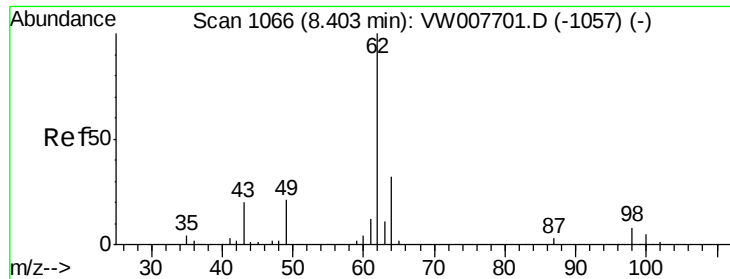
41 100

39 32.9 54.2 81.4#

67 0.0 65.7 98.5#

52 0.0 26.2 39.4#





#42

1,2-Dichloroethane

Concen: 105.952 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

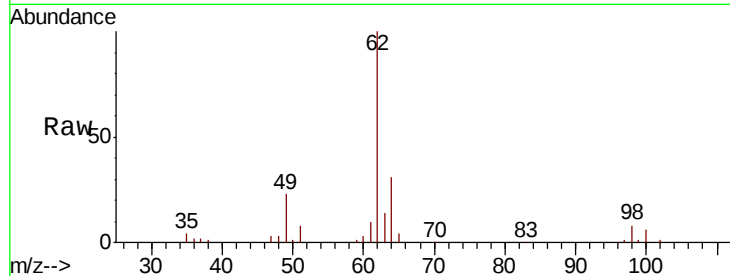
P001-DS001-01MS

Tot Ion: 62 Resp: 58045

Ion Ratio Lower Upper

62 100

98 8.9 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

8.40

30000

25000

20000

15000

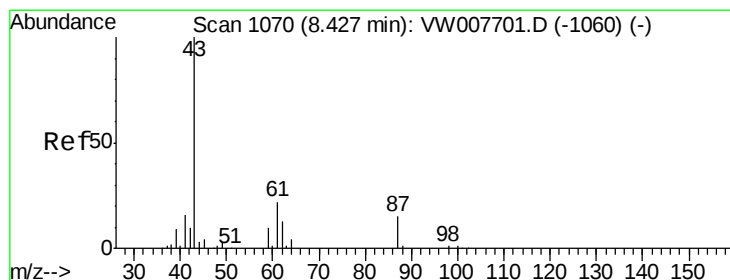
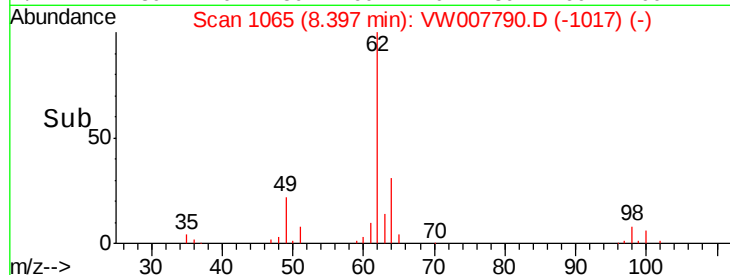
10000

5000

0

Time-->

8.30 8.35 8.40 8.45 8.50



#43

Isopropyl Acetate

Concen: 4.183 ug/l

RT: 8.27 min Scan# 1044

Delta R.T. -0.16 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

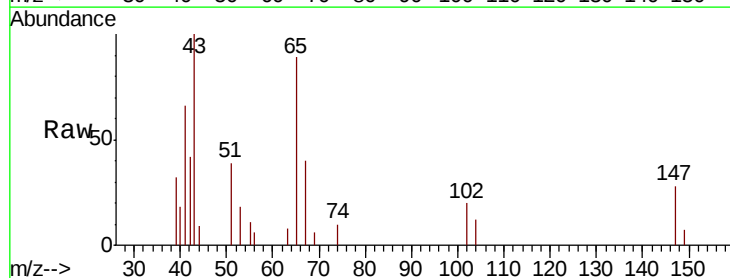
Tgt Ion: 43 Resp: 1772

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

1200

1000

800

600

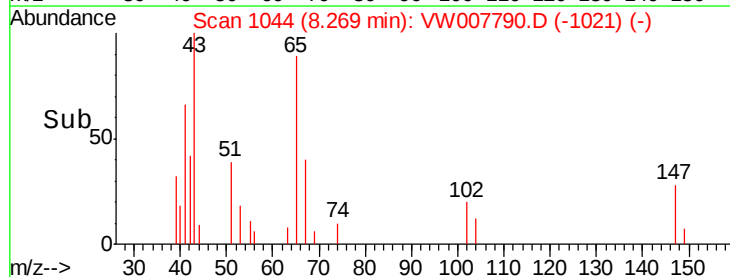
400

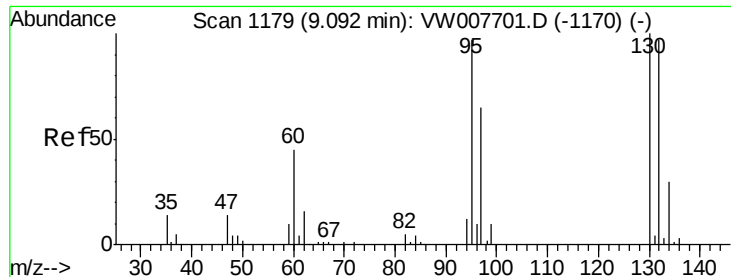
200

0

Time-->

8.20 8.25 8.30 8.35





#44

Trichloroethene

Concen: 31.943 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

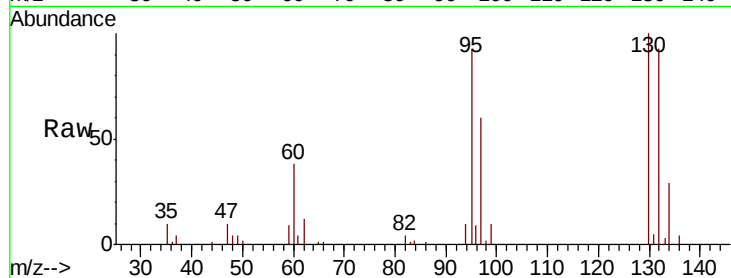
P001-DS001-01MS

Tot Ion:130 Resp: 15792

Ion Ratio Lower Upper

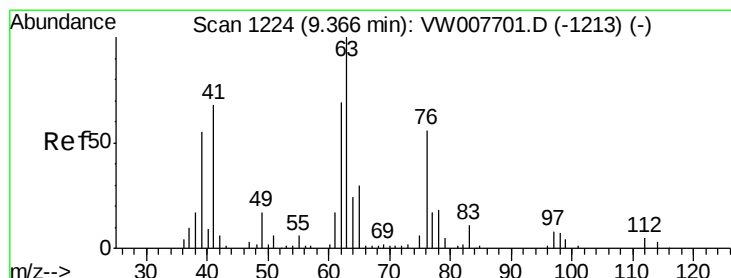
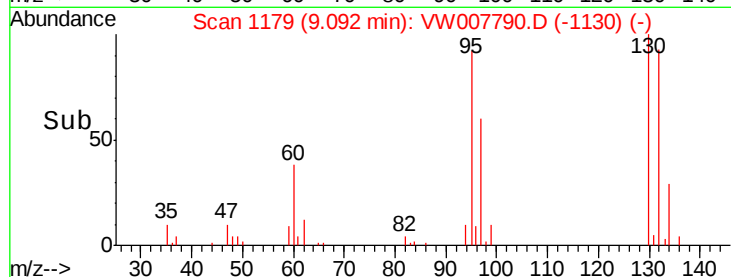
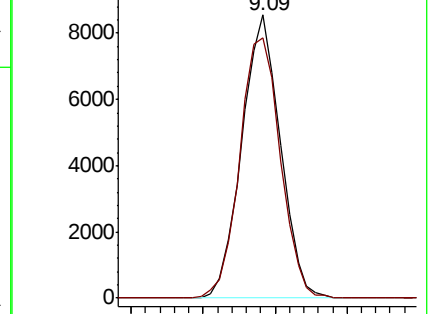
130 100

95 92.1 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: 74.961 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007790.D

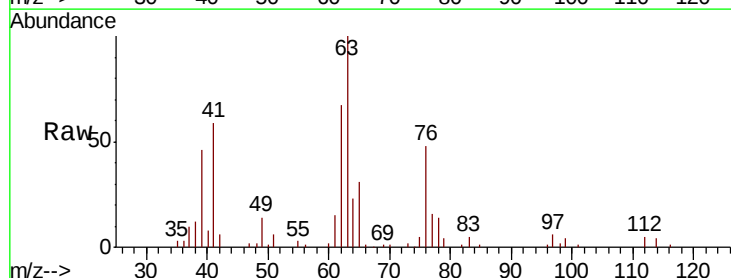
Acq: 21 Dec 2018 12:34

Tgt Ion: 63 Resp: 27191

Ion Ratio Lower Upper

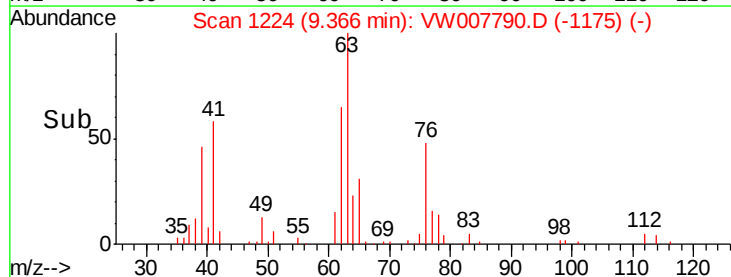
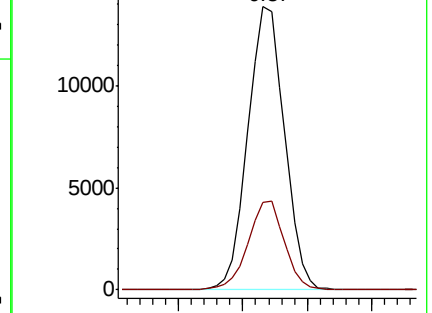
63 100

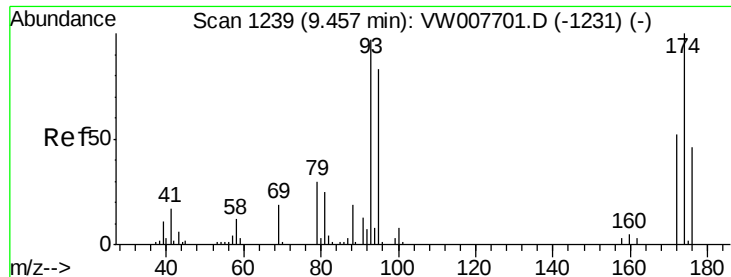
65 31.0 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

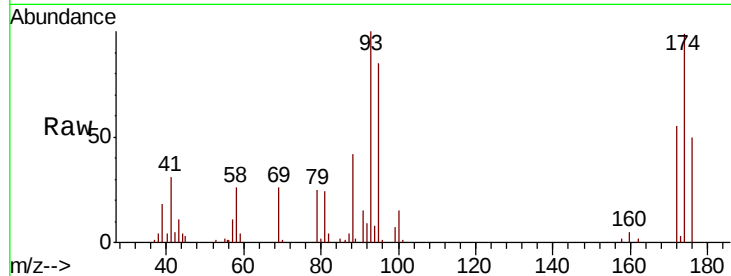




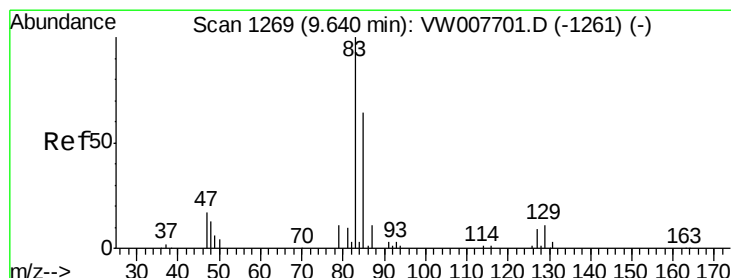
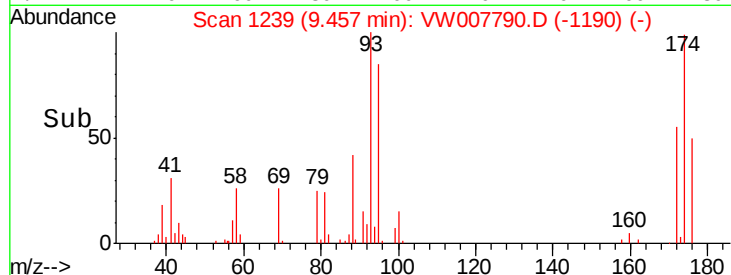
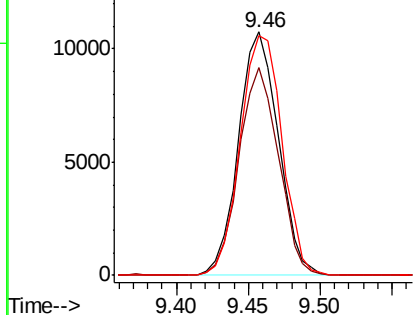
#46
Dibromomethane
Concen: 92.534 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion: 93 Resp: 20662
Ion Ratio Lower Upper
93 100
95 84.6 67.5 101.3
174 102.8 83.9 125.9

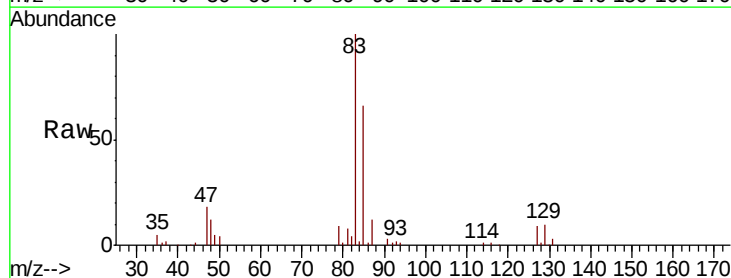


Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V

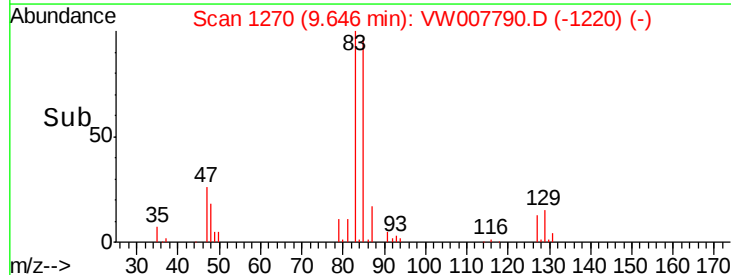
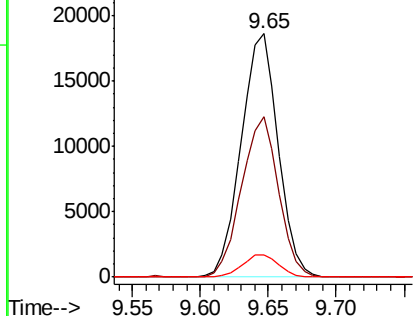


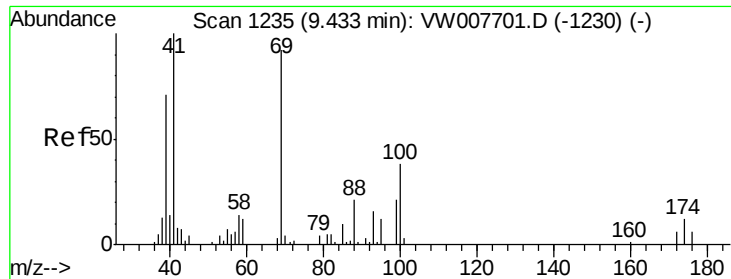
#47
Bromodichloromethane
Concen: 60.327 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 83 Resp: 35413
Ion Ratio Lower Upper
83 100
85 65.7 51.4 77.0
127 9.0 7.5 11.3



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): V

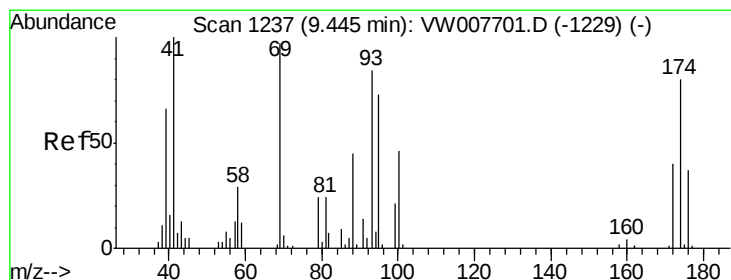
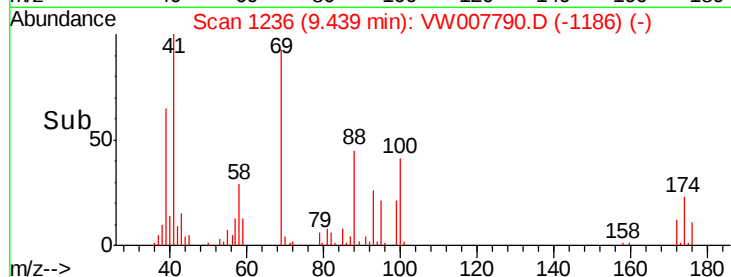
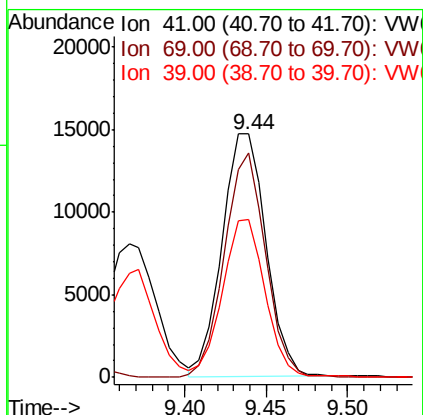
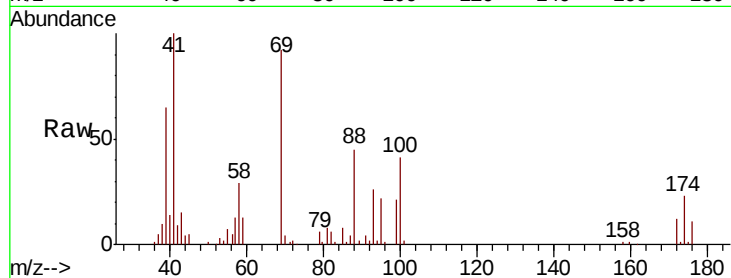




#48
Methvl methacrylate
Concen: 130.753 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

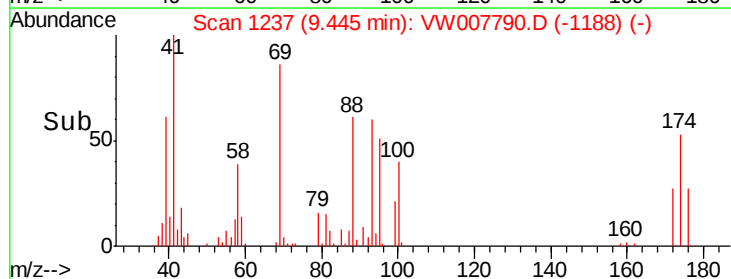
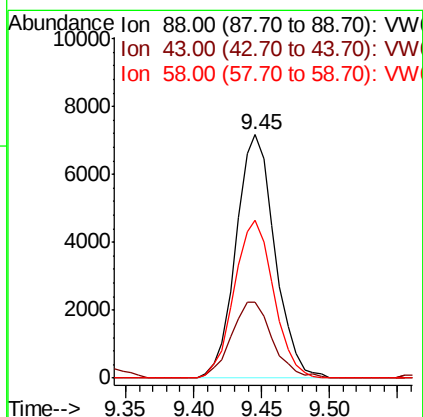
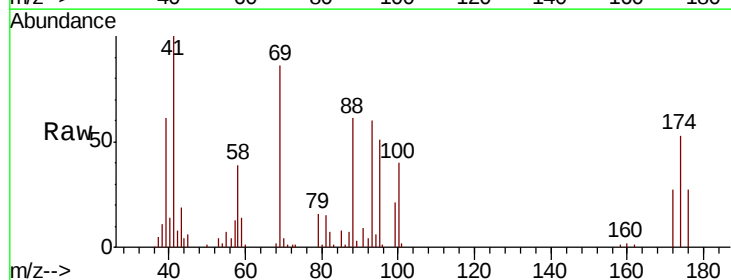
Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

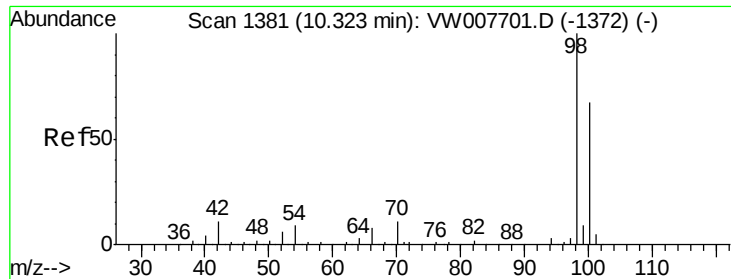
Tot Ion: 41 Resp: 27645
Ion Ratio Lower Upper
41 100
69 86.9 74.2 111.2
39 63.2 53.9 80.9



#49
1,4-Dioxane
Concen: 4034.814 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 88 Resp: 14284
Ion Ratio Lower Upper
88 100
43 32.9 25.6 38.4
58 65.7 52.3 78.5





#50

Toluene-d8

Concen: 26.588 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

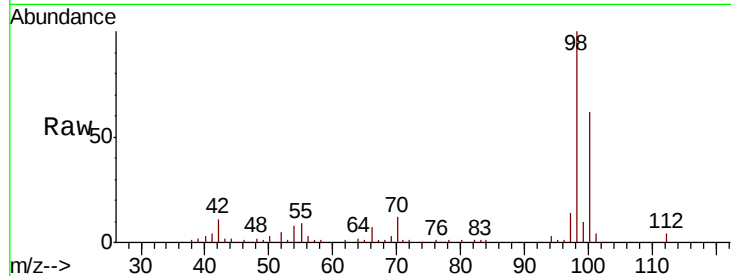
P001-DS001-01MS

Tot Ion: 98 Resp: 38811

Ion Ratio Lower Upper

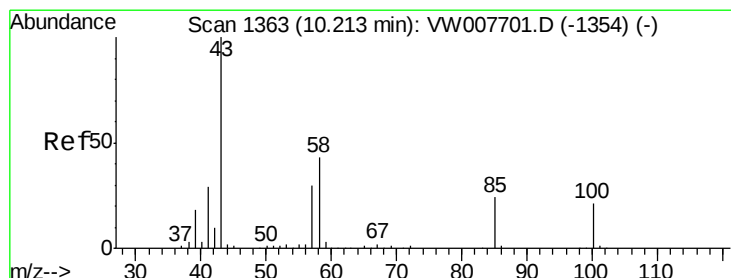
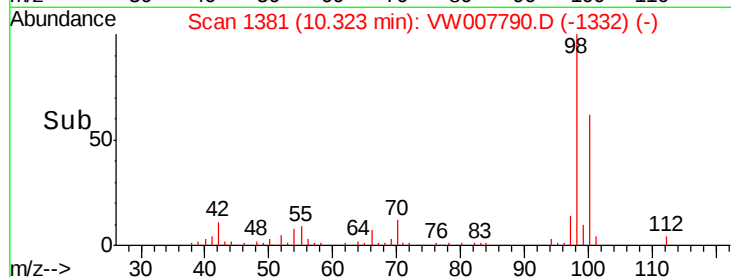
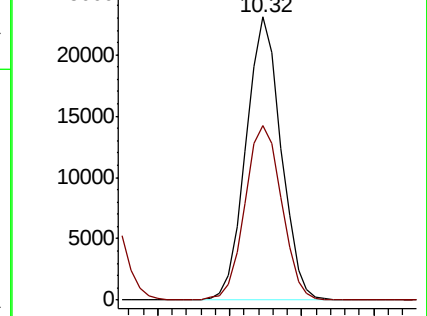
98 100

100 64.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 510.632 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007790.D

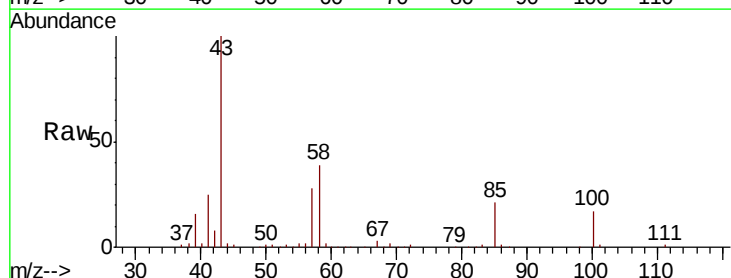
Acq: 21 Dec 2018 12:34

Tgt Ion: 43 Resp: 102219

Ion Ratio Lower Upper

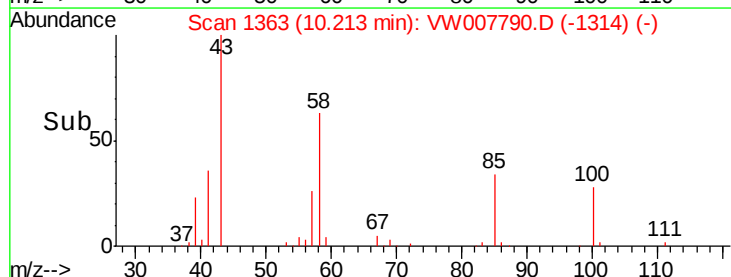
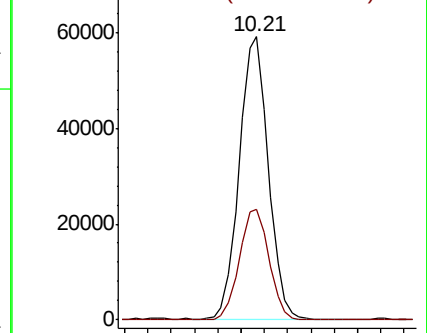
43 100

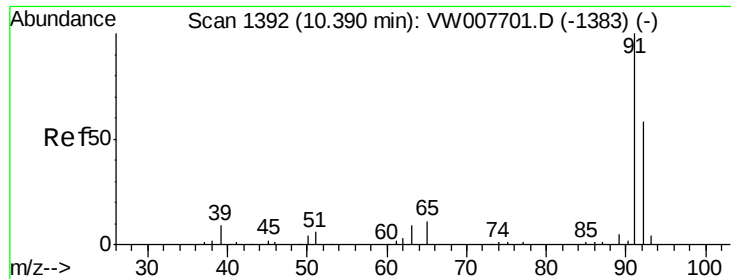
58 40.3 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 37.335 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

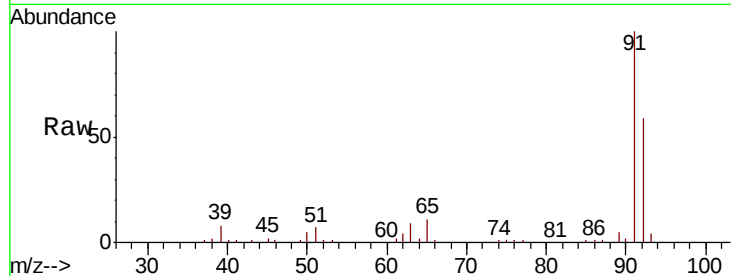
P001-DS001-01MS

Tot Ion: 92 Resp: 40950

Ion Ratio Lower Upper

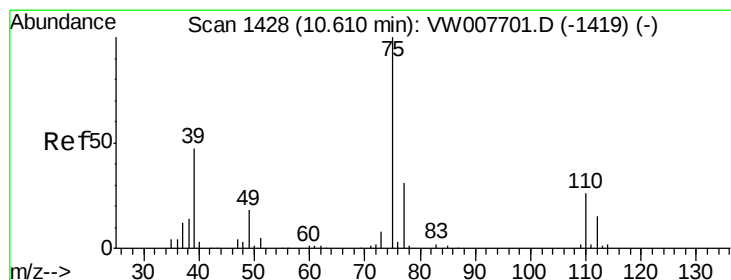
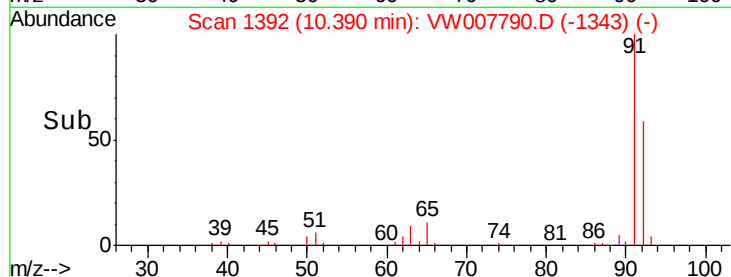
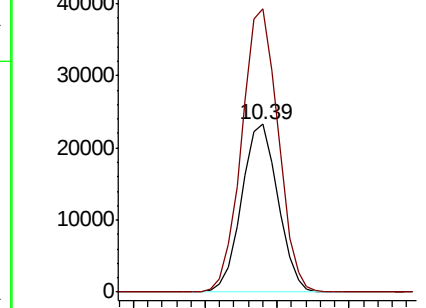
92 100

91 168.6 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#53

t-1,3-Dichloropropene

Concen: 58.496 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007790.D

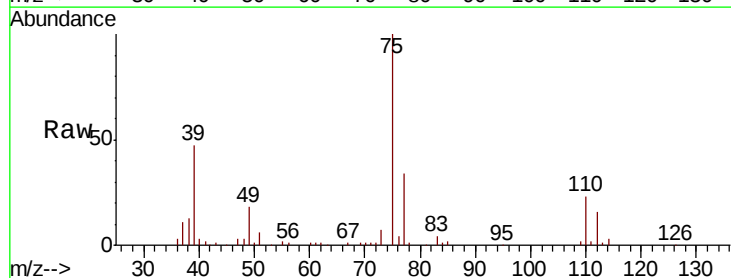
Acq: 21 Dec 2018 12:34

Tgt Ion: 75 Resp: 34155

Ion Ratio Lower Upper

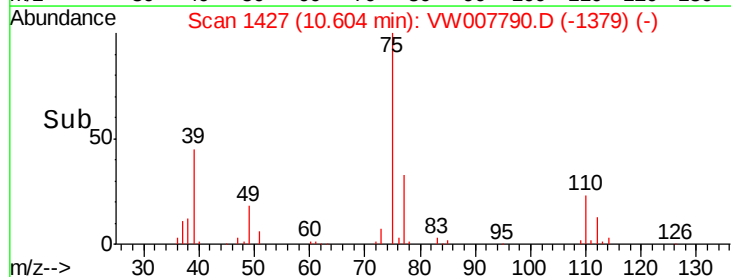
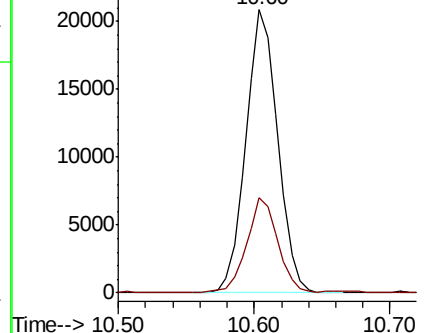
75 100

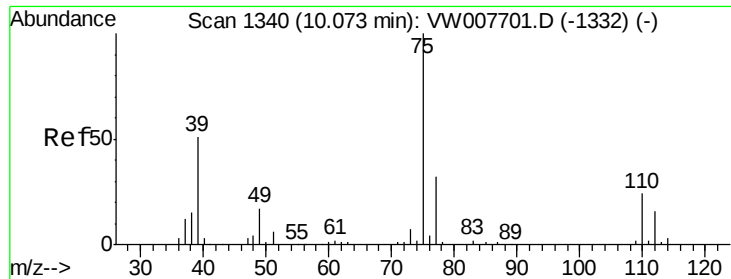
77 33.7 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW





#54

cis-1,3-Dichloropropene

Concen: 53.859 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

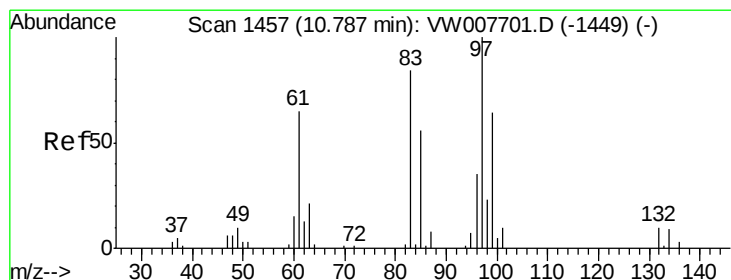
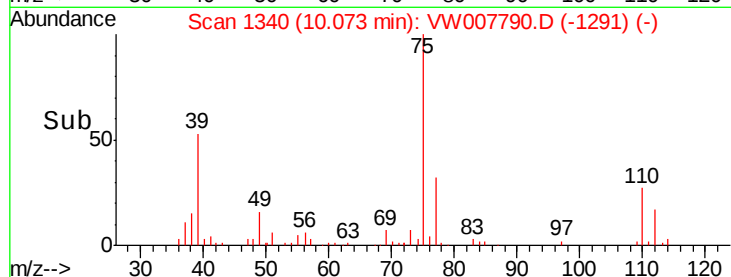
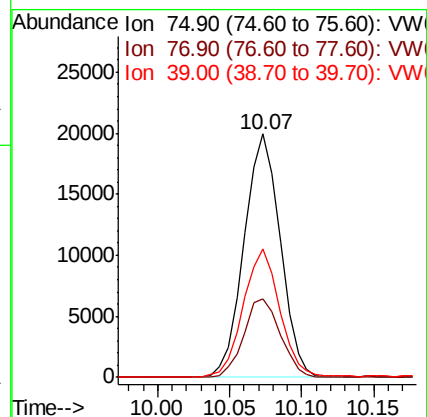
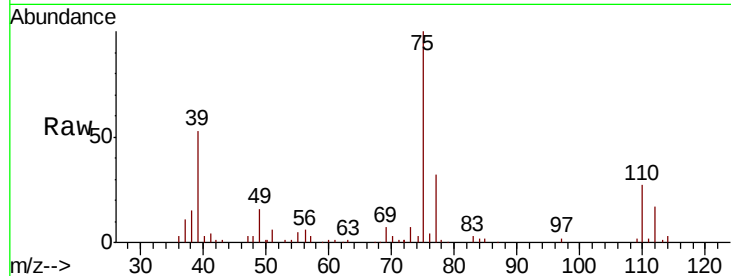
Tot Ion: 75 Resp: 34736

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

39 52.8 41.2 61.8



#55

1,1,2-Trichloroethane

Concen: 94.966 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Tgt Ion: 97 Resp: 29233

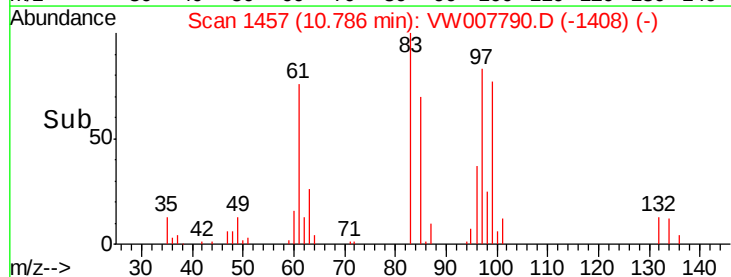
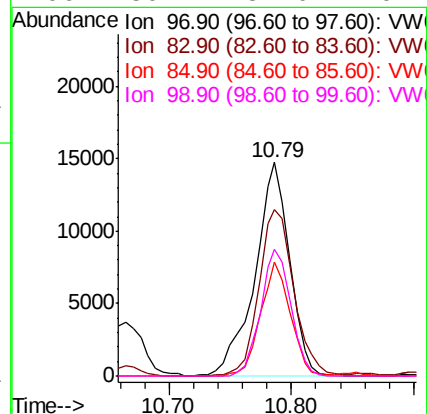
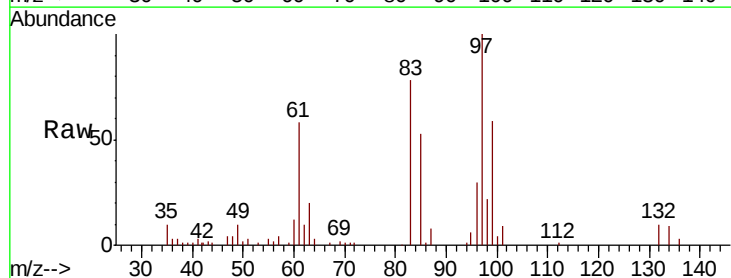
Ion Ratio Lower Upper

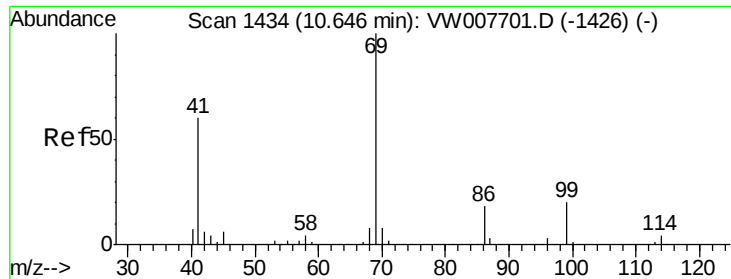
97 100

83 77.8 67.5 101.3

85 53.4 44.8 67.2

99 59.1 51.0 76.4

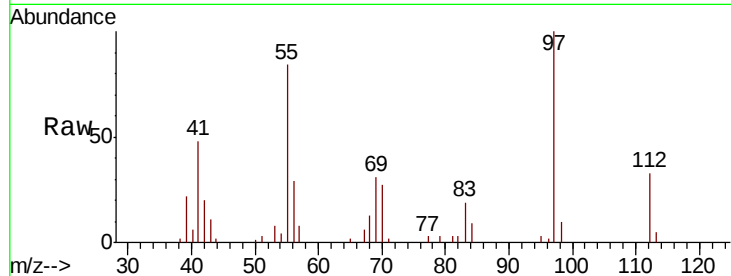




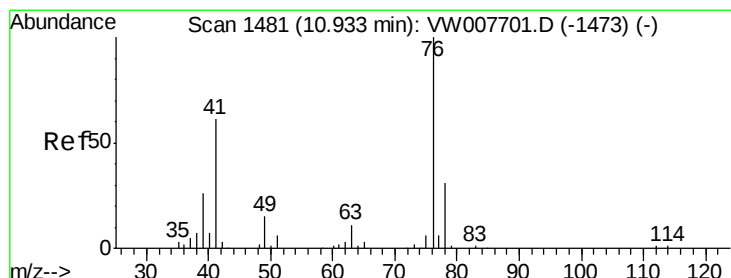
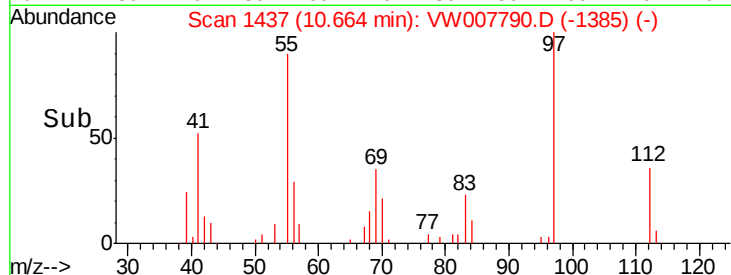
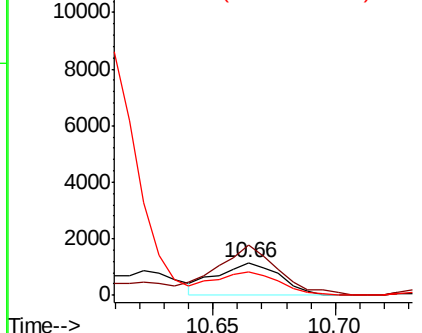
#56
Ethyl methacrylate
Concen: 5.744 ug/l
RT: 10.66 min Scan# 1437
Delta R.T. 0.02 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion: 69 Resp: 2089
Ion Ratio Lower Upper
69 100
41 148.9 48.9 73.3#
39 73.9 31.3 46.9#

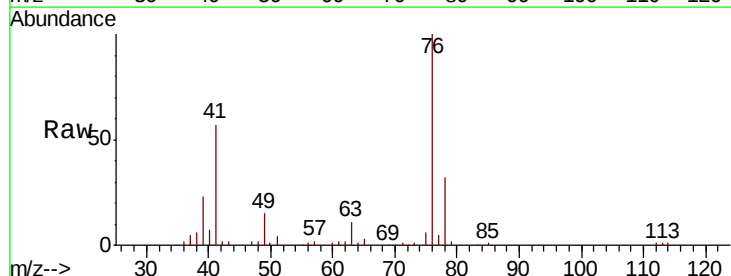


Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW

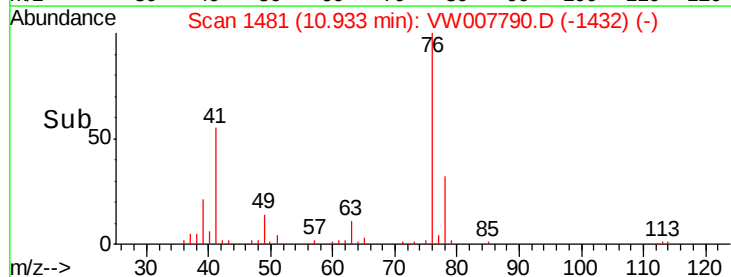
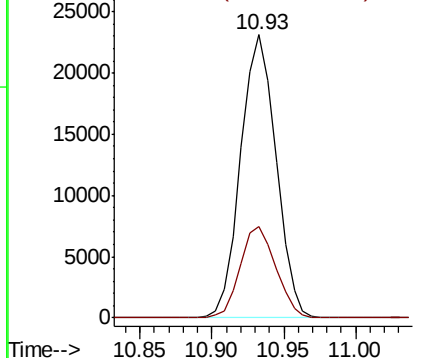


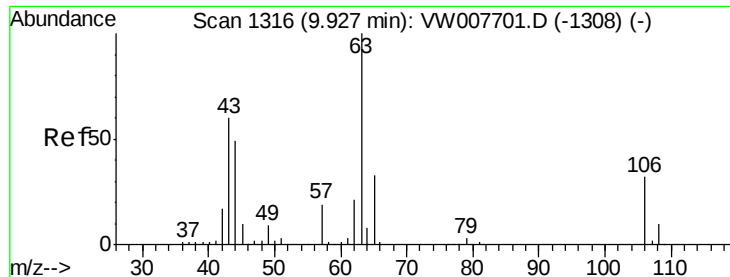
#57
1,3-Dichloropropane
Concen: 77.279 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 76 Resp: 39502
Ion Ratio Lower Upper
76 100
78 32.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW

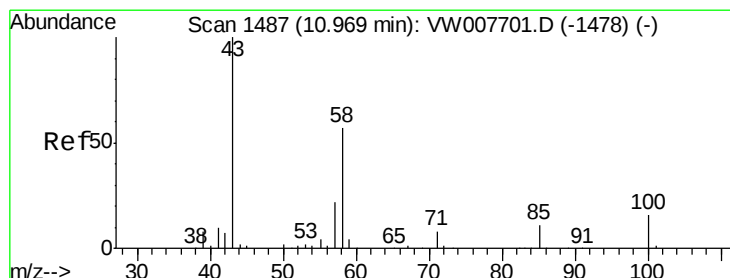
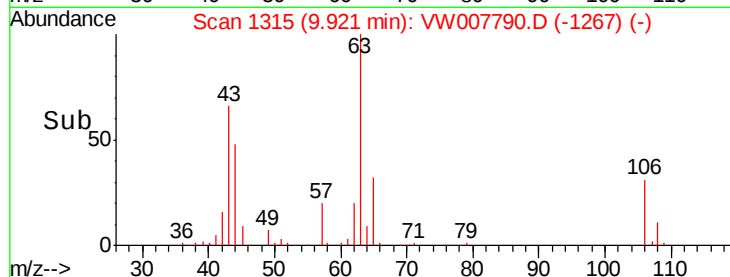
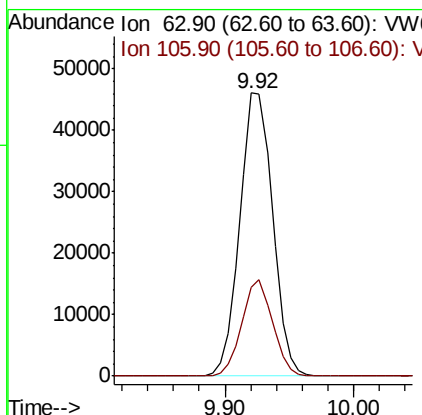
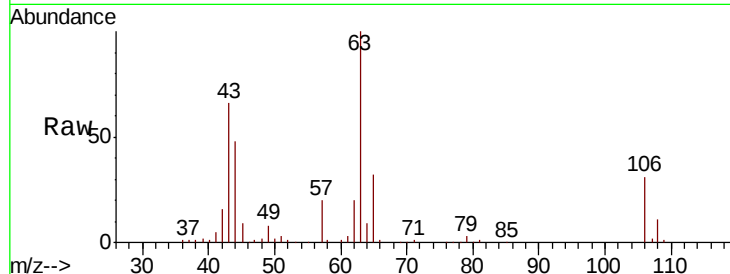




#58
 2-Chloroethyl Vinyl ether
 Concen: 490.198 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

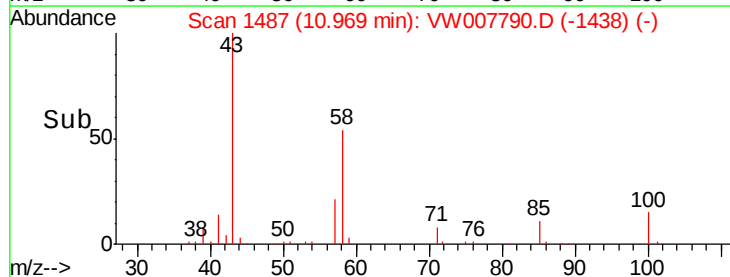
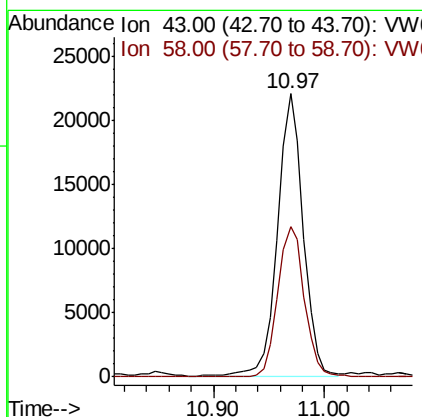
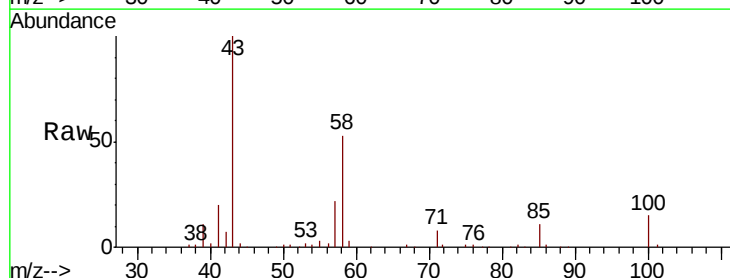
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

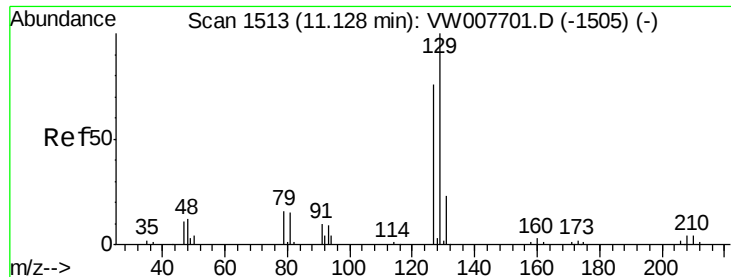
Tot Ion: 63 Resp: 81400
 Ion Ratio Lower Upper
 63 100
 106 31.7 25.9 38.9



#59
 2-Hexanone
 Concen: 249.003 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 43 Resp: 35055
 Ion Ratio Lower Upper
 43 100
 58 55.4 27.7 83.1

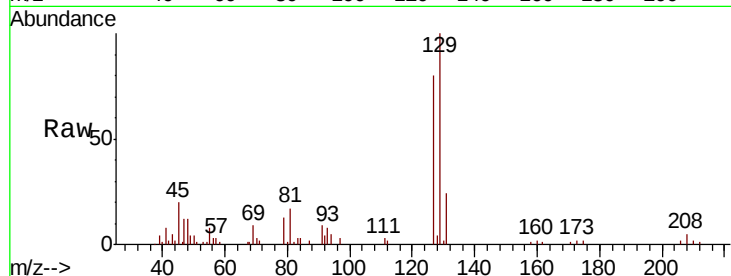




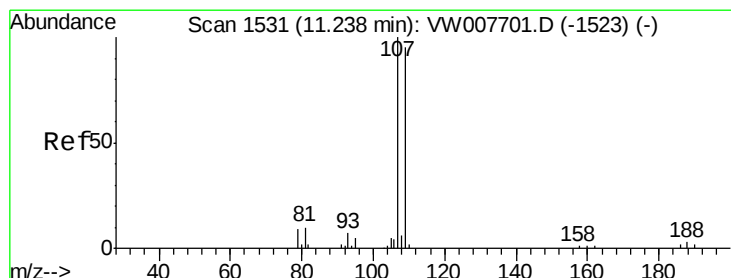
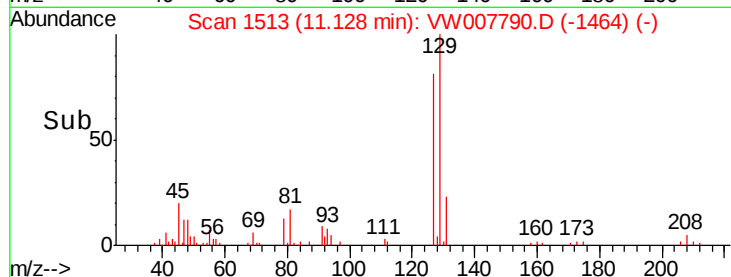
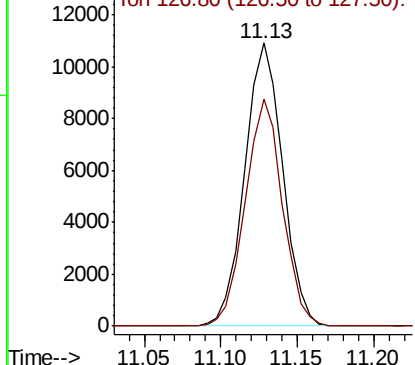
#60
Dibromochloromethane
Concen: 46.167 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion:129 Resp: 18817
Ion Ratio Lower Upper
129 100
127 78.9 38.3 114.9

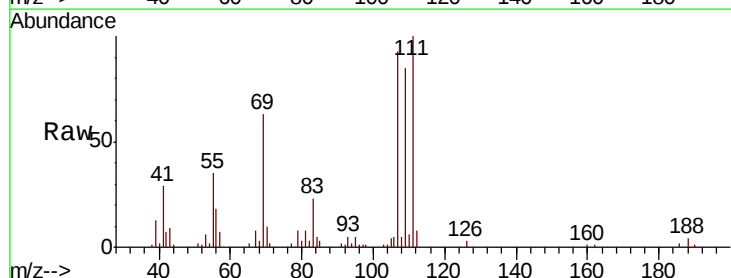


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

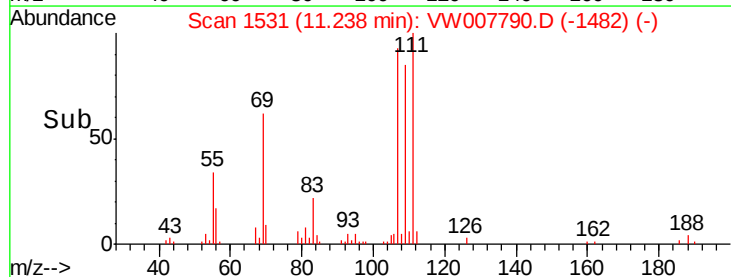
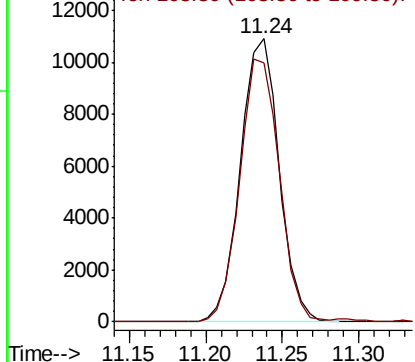


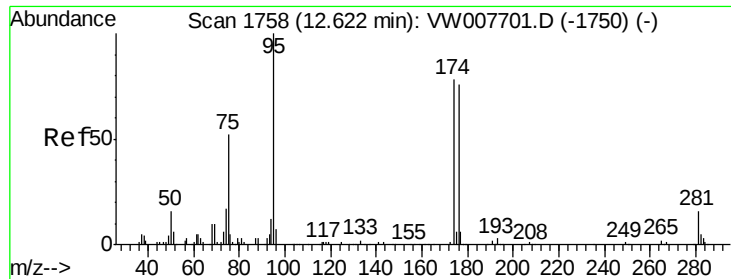
#61
1,2-Dibromoethane
Concen: 61.548 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion:107 Resp: 19186
Ion Ratio Lower Upper
107 100
109 94.7 75.4 113.0



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

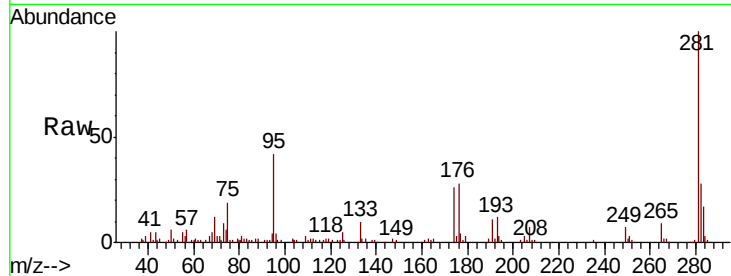




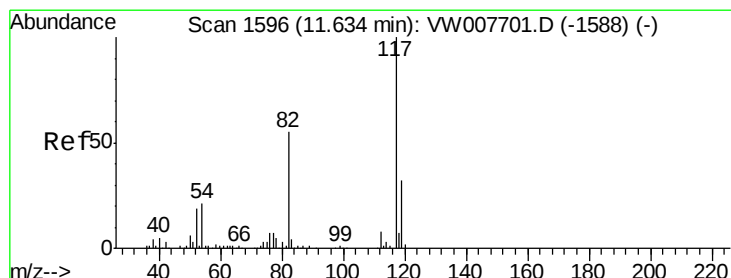
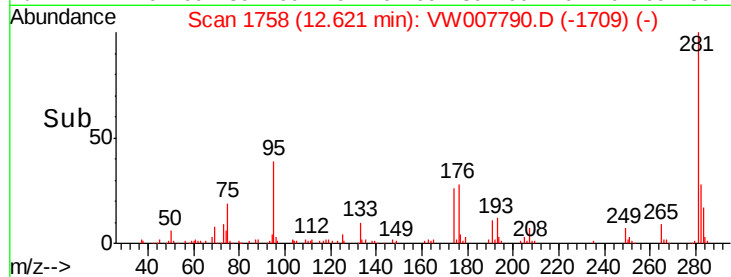
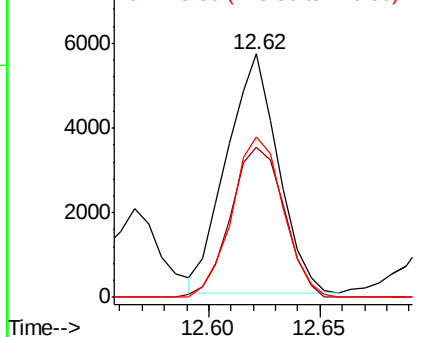
#62
4-Bromofluorobenzene
Concen: 16.172 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	95	Resp	9120
Ion Ratio	Lower	Upper	
95	100		
174	65.2	0.0	152.2
176	66.6	0.0	146.8

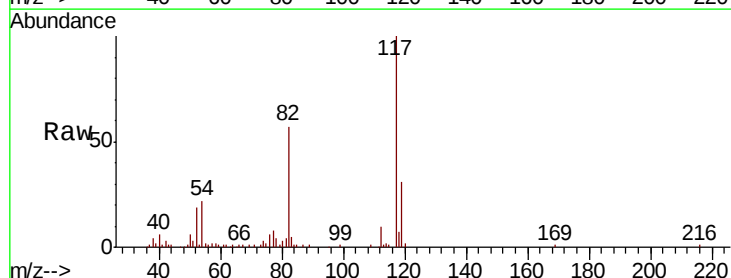


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

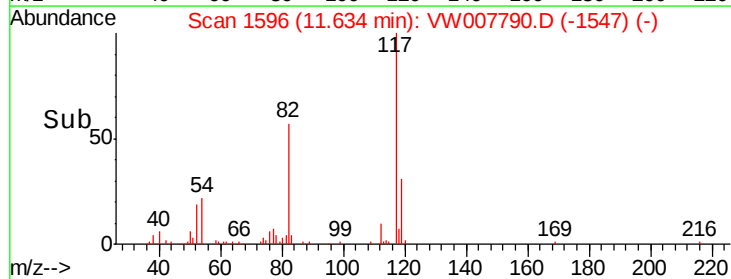
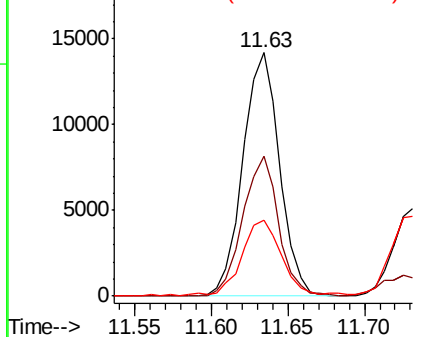


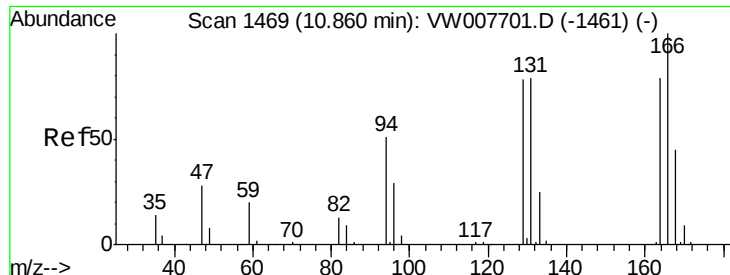
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion	117	Resp	23554
Ion Ratio	Lower	Upper	
117	100		
82	57.4	44.3	66.5
119	30.8	25.7	38.5



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





#64

Tetrachloroethene

Concen: 31.800 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion:164 Resp: 5304

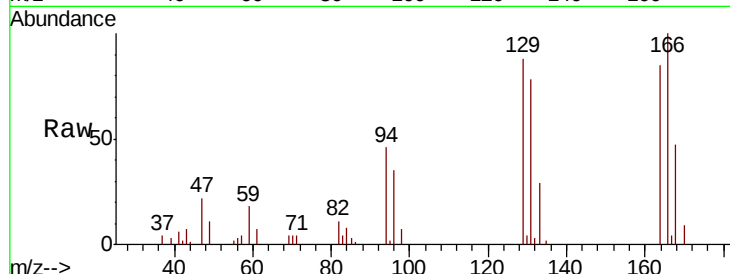
Ion Ratio Lower Upper

164 100

166 117.4 101.0 151.6

129 103.7 78.7 118.1

131 92.0 79.4 119.0

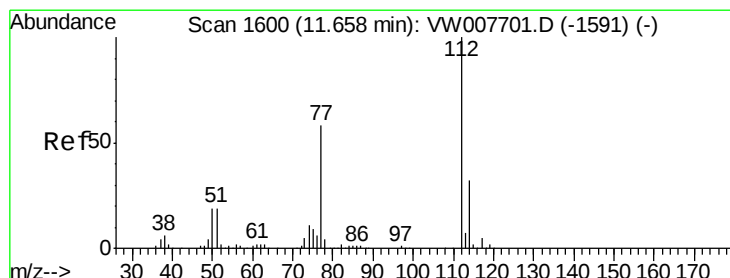
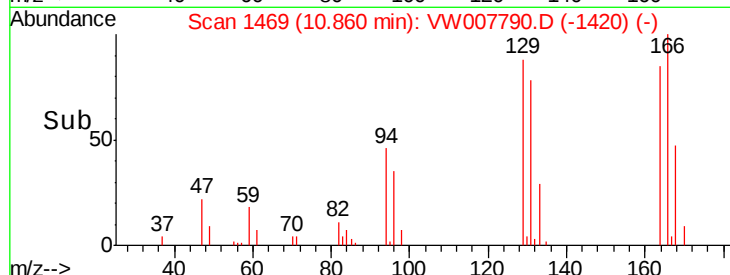
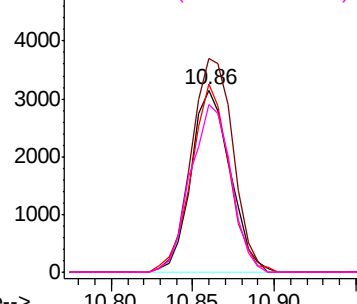


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.866 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007790.D

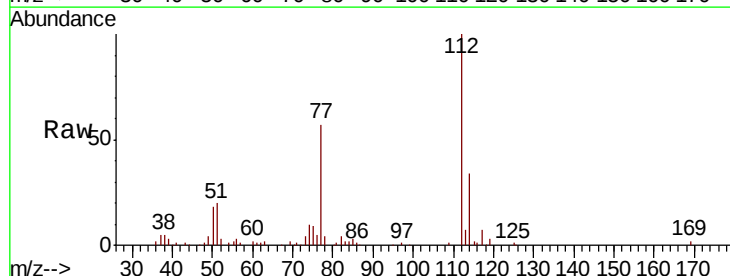
Acq: 21 Dec 2018 12:34

Tgt Ion:112 Resp: 25932

Ion Ratio Lower Upper

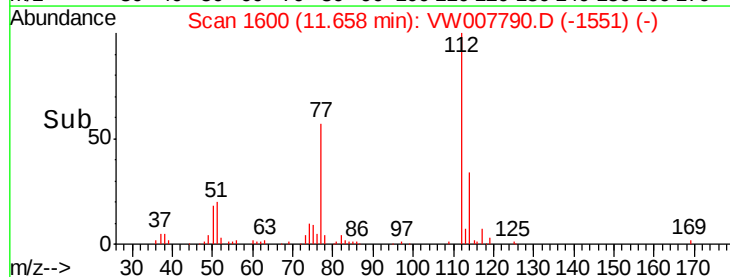
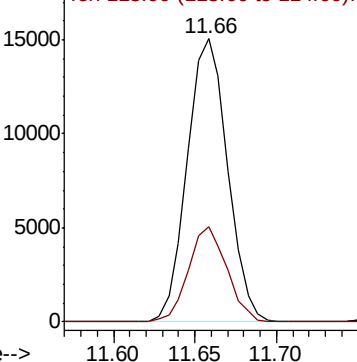
112 100

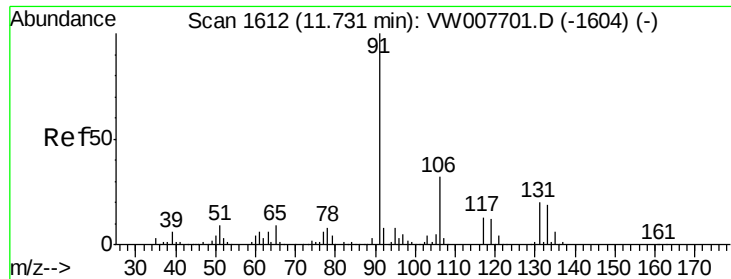
114 33.5 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 72.358 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

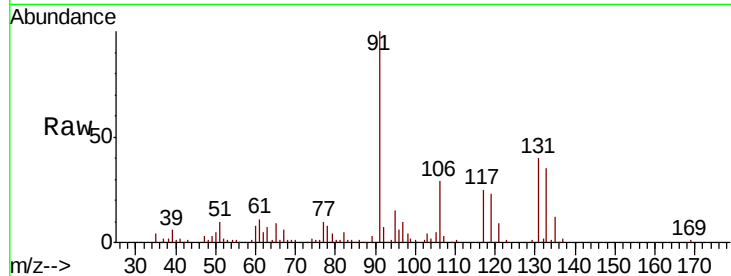
Tot Ion:131 Resp: 13181

Ion Ratio Lower Upper

131 100

133 96.2 47.5 142.5

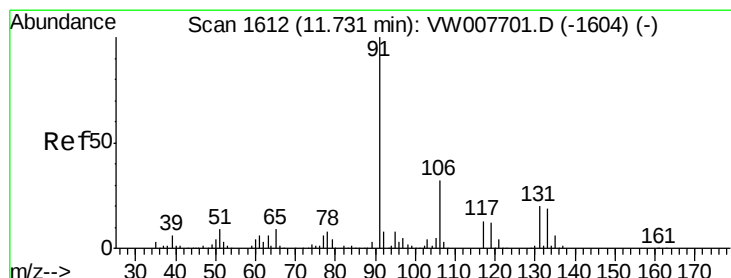
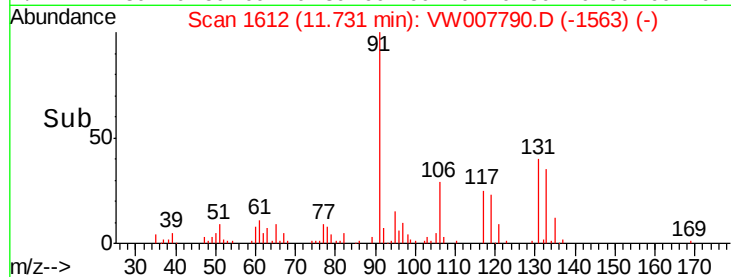
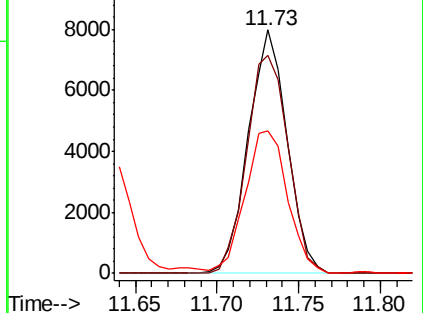
119 64.3 30.2 90.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 37.183 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007790.D

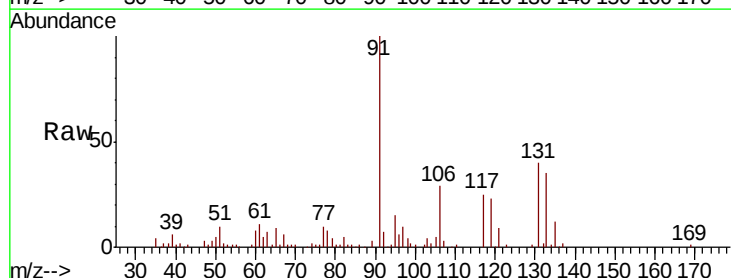
Acq: 21 Dec 2018 12:34

Tgt Ion: 91 Resp: 32529

Ion Ratio Lower Upper

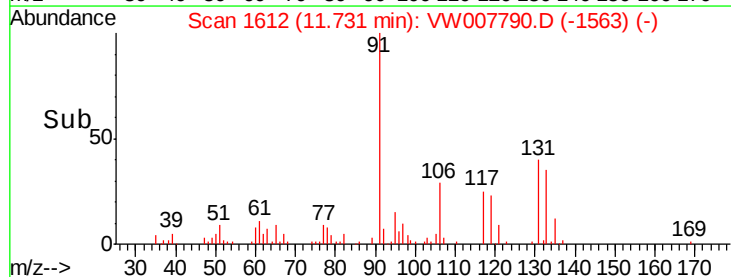
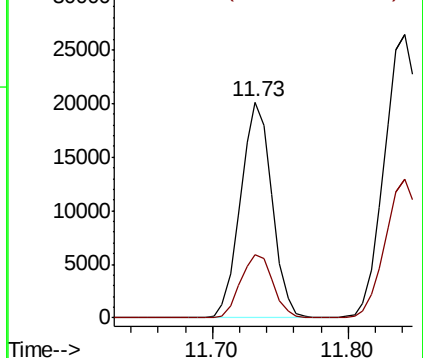
91 100

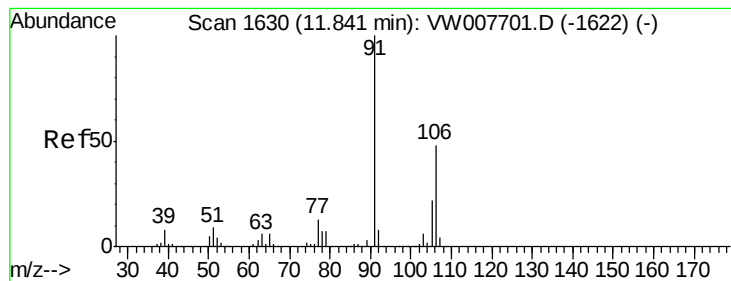
106 29.3 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 70.863 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

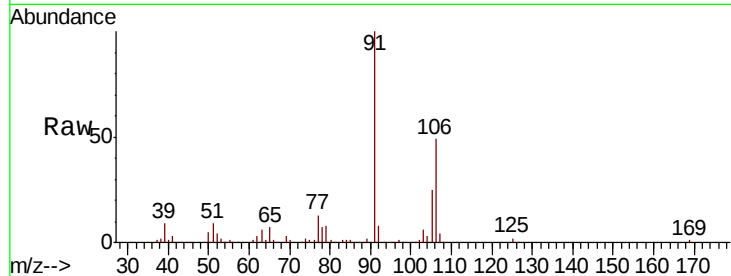
P001-DS001-01MS

Tot Ion:106 Resp: 24048

Ion Ratio Lower Upper

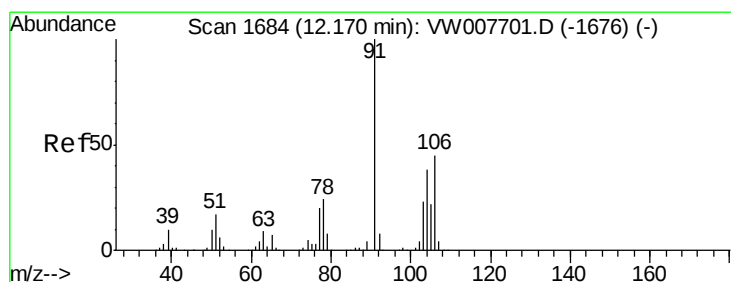
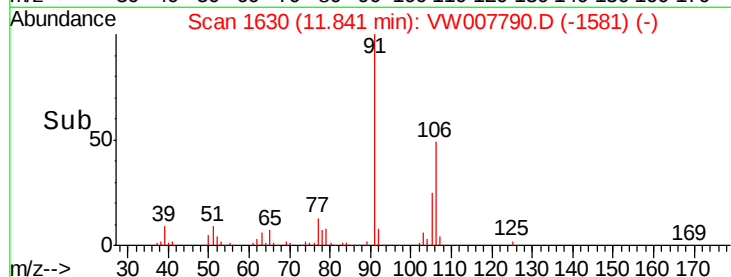
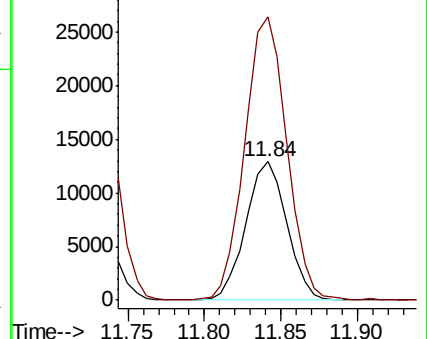
106 100

91 210.1 165.2 247.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 37.965 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW007790.D

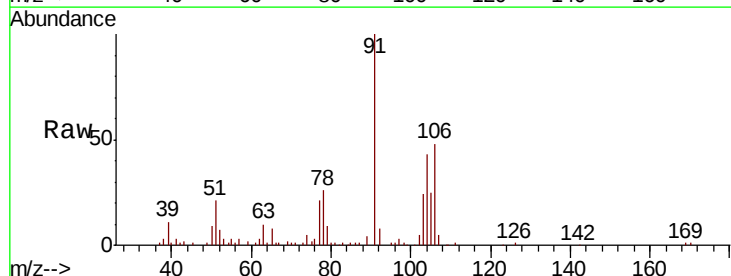
Acq: 21 Dec 2018 12:34

Tgt Ion:106 Resp: 12077

Ion Ratio Lower Upper

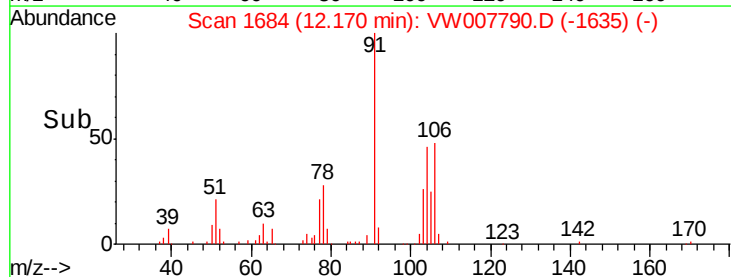
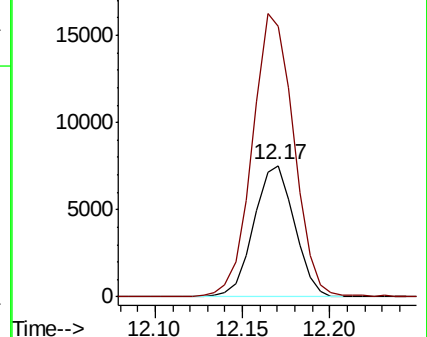
106 100

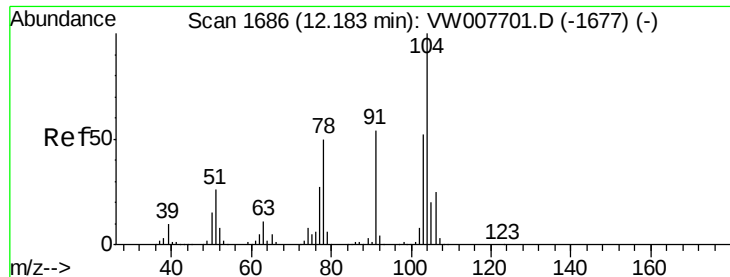
91 221.3 110.5 331.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#70

Stvrene

Concen: 39.457 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

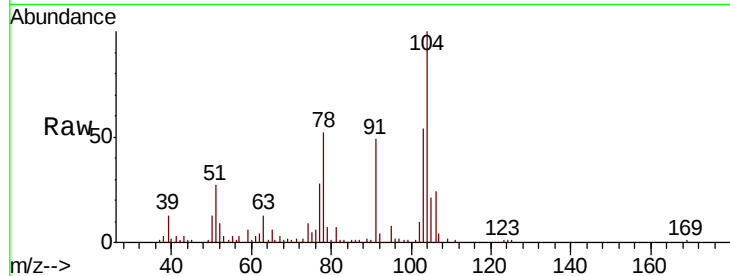
Tot Ion:104 Resp: 20632

Ion Ratio Lower Upper

104 100

78 53.3 43.4 65.0

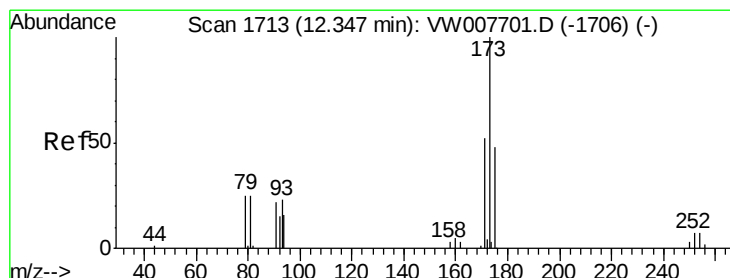
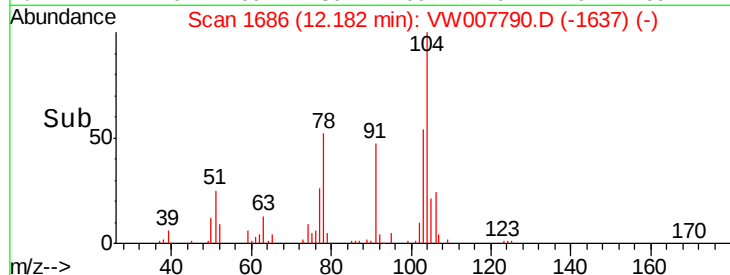
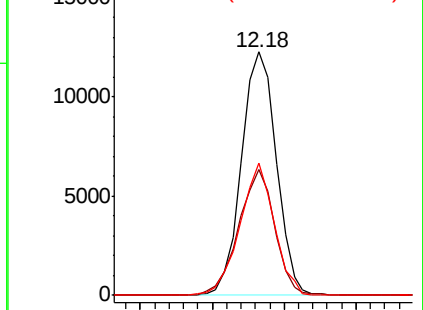
103 53.4 44.5 66.7



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: 84.006 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

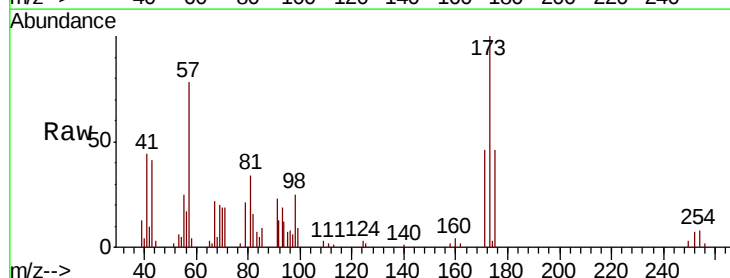
Tgt Ion:173 Resp: 7944

Ion Ratio Lower Upper

173 100

175 46.6 23.9 71.7

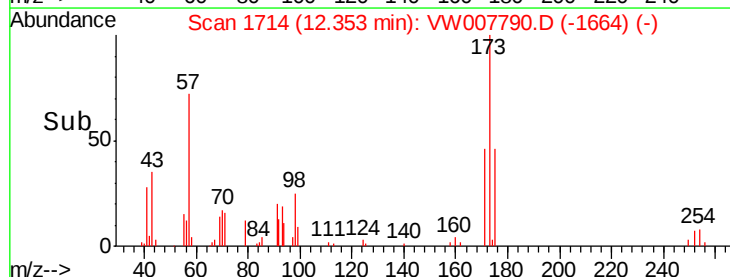
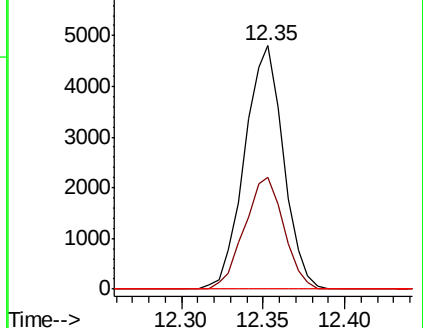
254 0.0 0.0 0.0

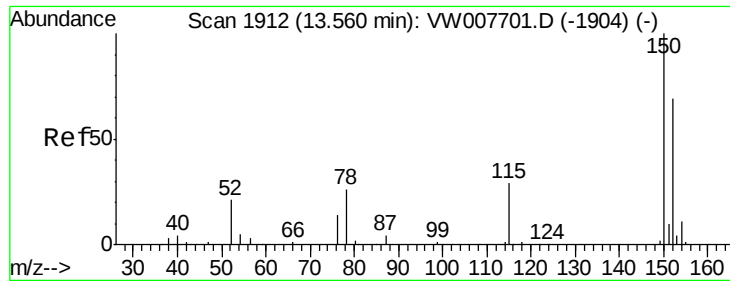


Abundance Ion 172.70 (172.40 to 173.40): V

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: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

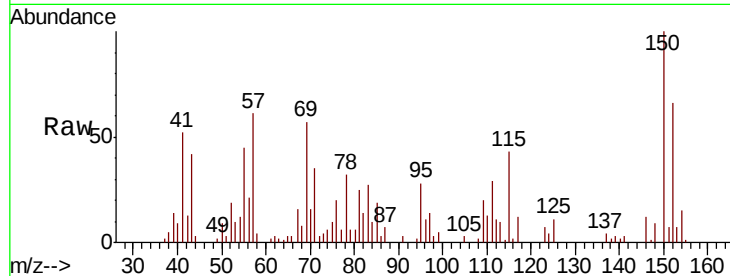
Tot Ion:152 Resp: 5474

Ion Ratio Lower Upper

152 100

115 56.2 31.8 95.4

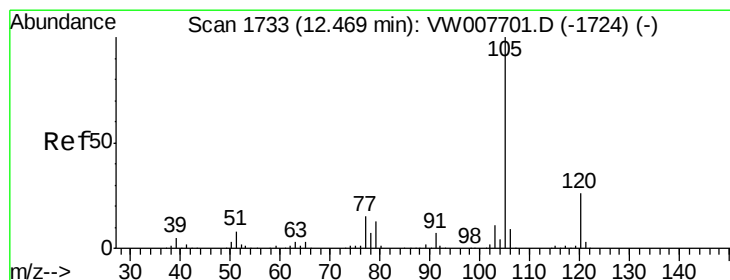
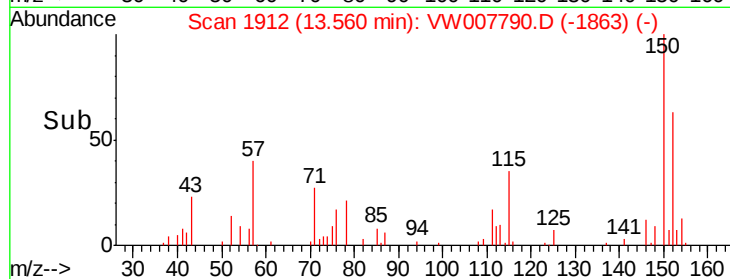
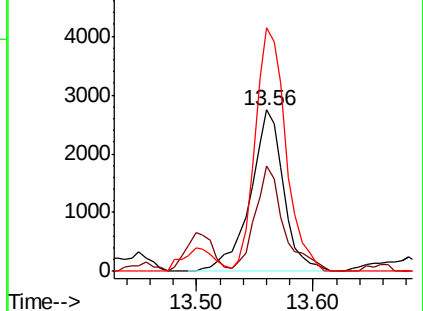
150 138.2 0.0 350.8



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: 51.120 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW007790.D

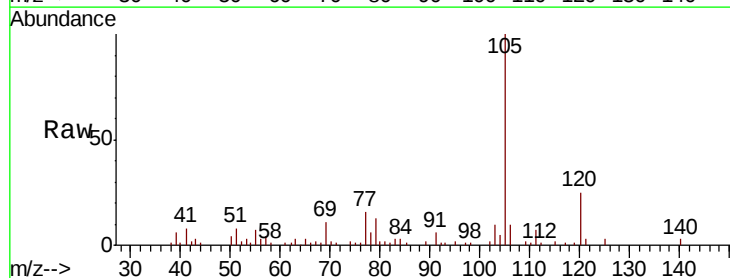
Acq: 21 Dec 2018 12:34

Tgt Ion:105 Resp: 21152

Ion Ratio Lower Upper

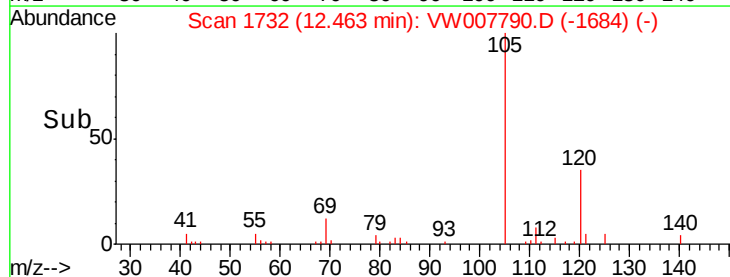
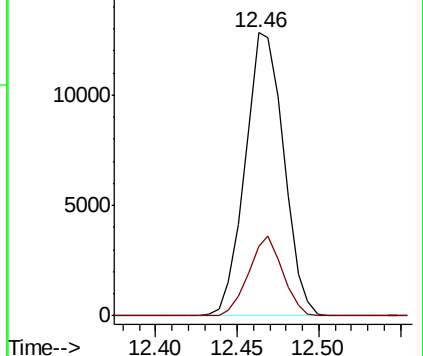
105 100

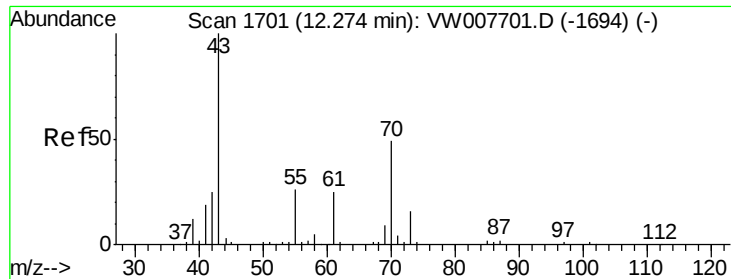
120 24.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 26.203 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 43 Resp: 1878

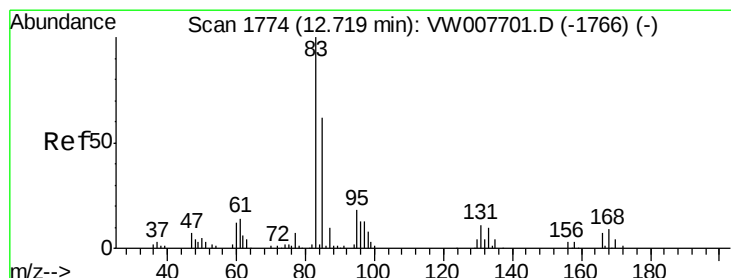
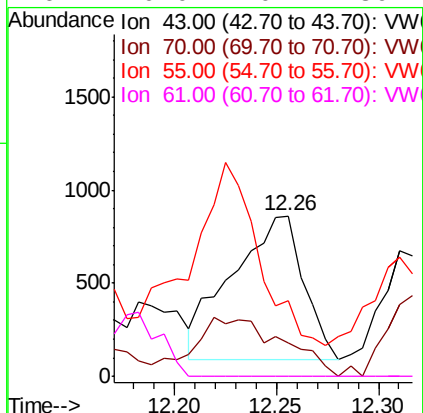
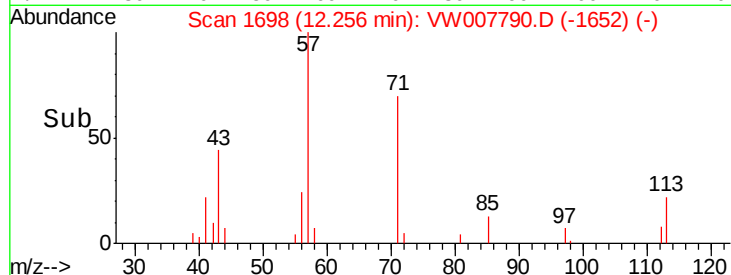
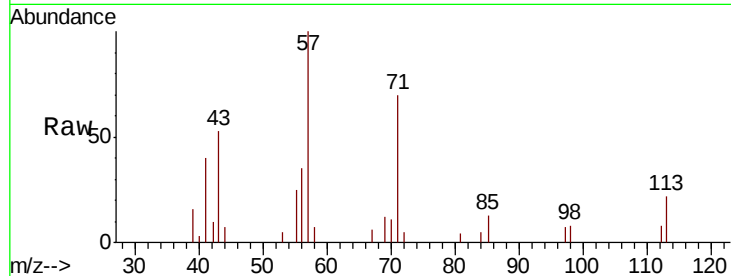
Ion Ratio Lower Upper

43 100

70 0.0 37.6 56.4#

55 0.0 21.7 32.5#

61 0.0 20.1 30.1#



#75

1,1,2,2-Tetrachloroethane

Concen: 298.685 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

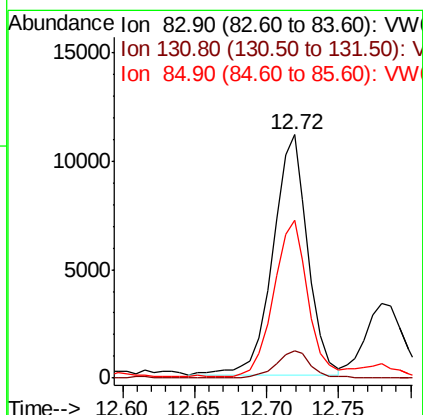
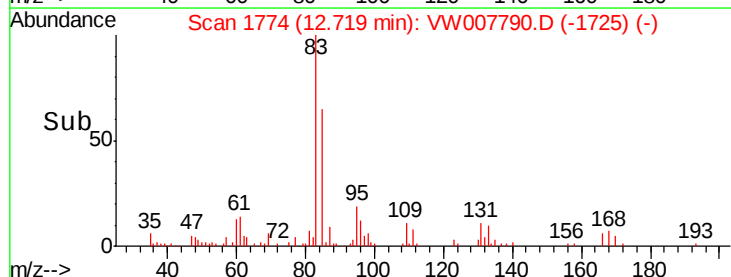
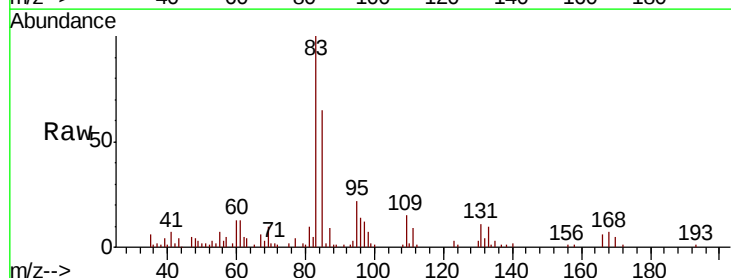
Tgt Ion: 83 Resp: 18530

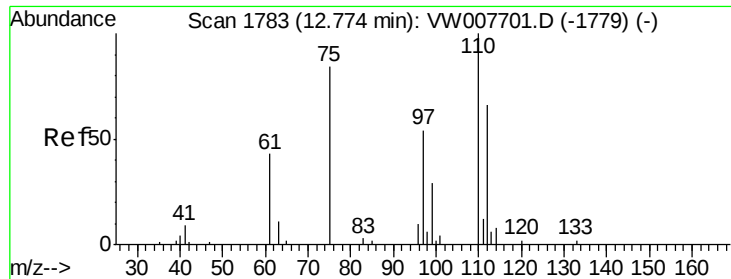
Ion Ratio Lower Upper

83 100

131 11.2 6.3 18.8

85 64.7 32.3 96.8

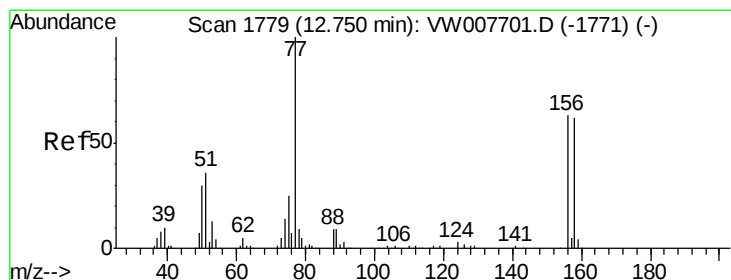
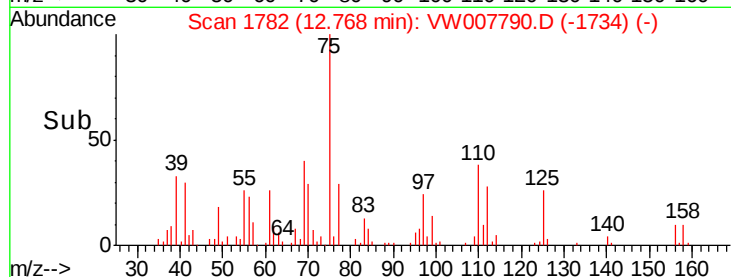
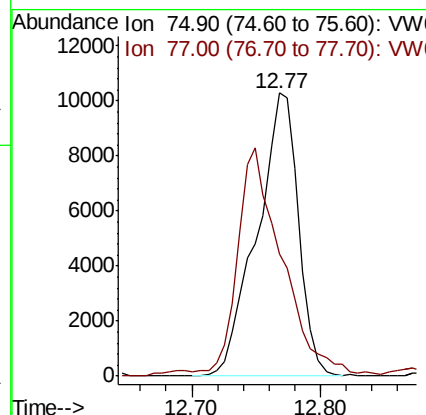
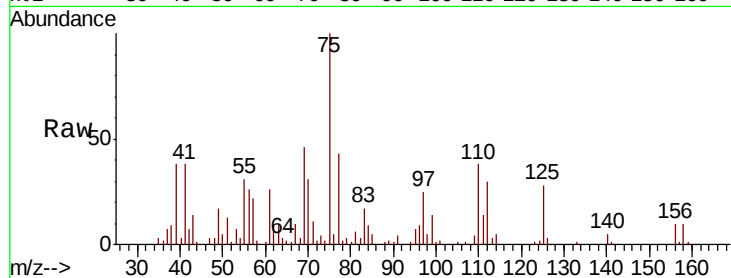




#76
 1,2,3-Trichloropropane
 Concen: 543.101 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

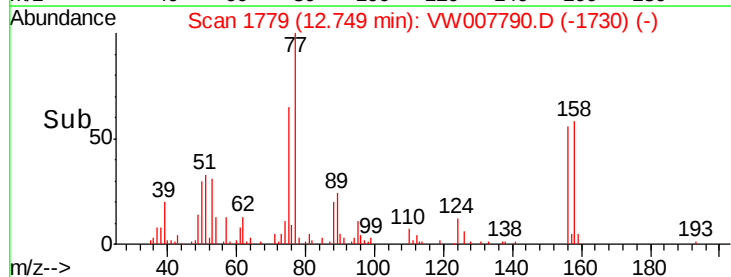
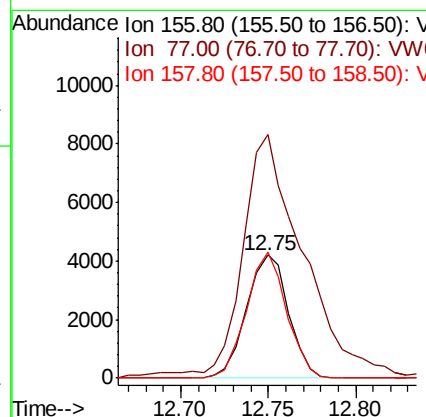
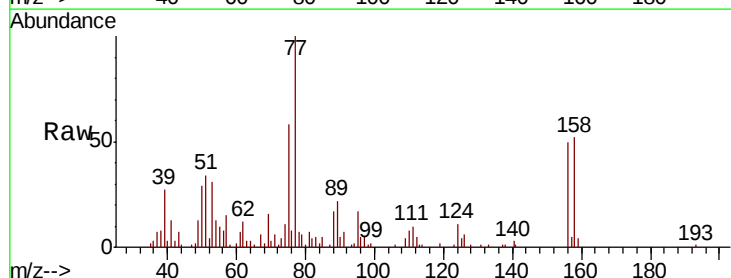
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

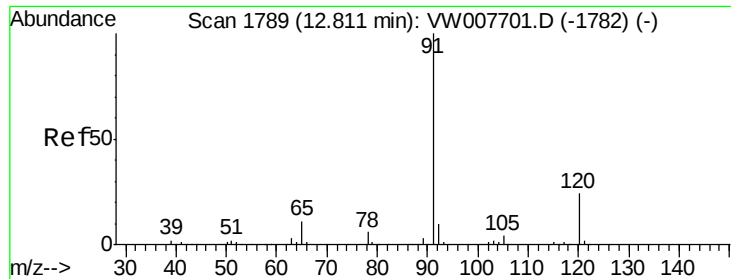
Tot Ion: 75 Resp: 22978
 Ion Ratio Lower Upper
 75 100
 77 84.0 0.0 0.0#



#77
 Bromobenzene
 Concen: 73.924 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 156 Resp: 7010
 Ion Ratio Lower Upper
 156 100
 77 275.2 87.4 262.1#
 158 97.3 48.4 145.0

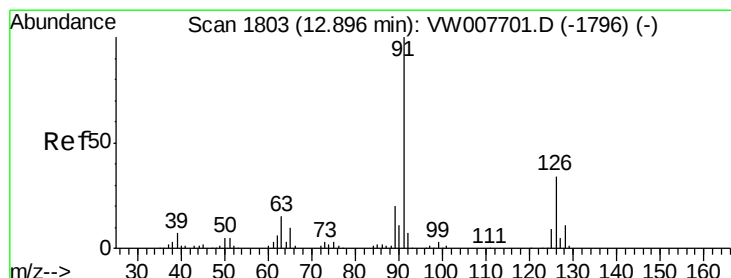
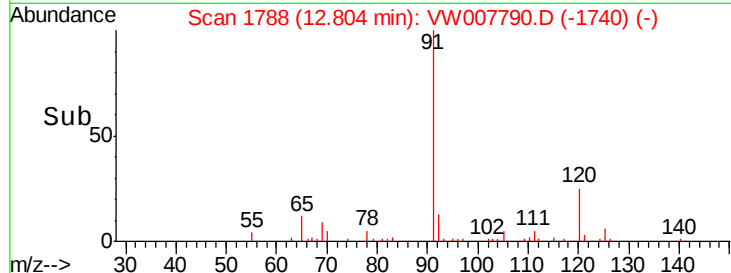
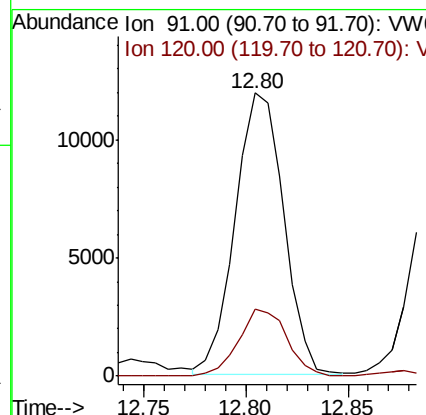
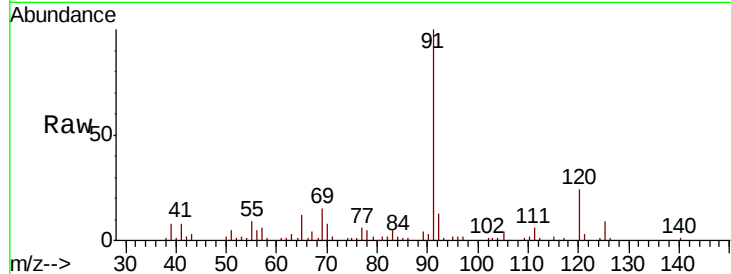




#78
 n-propylbenzene
 Concen: 40.668 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

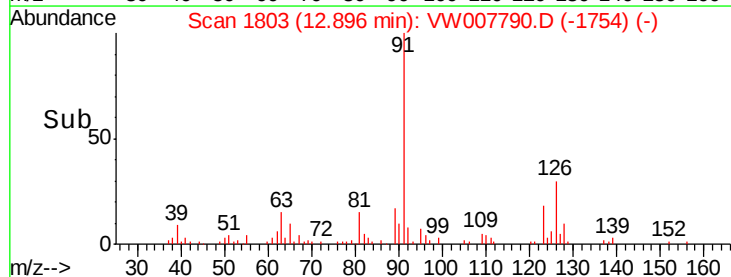
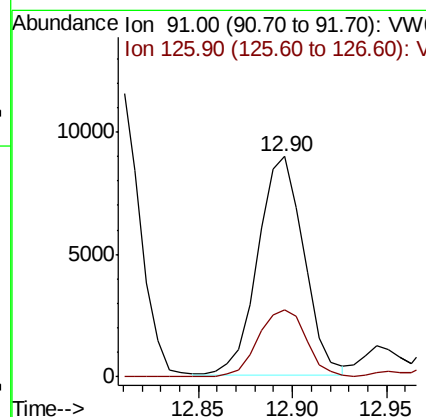
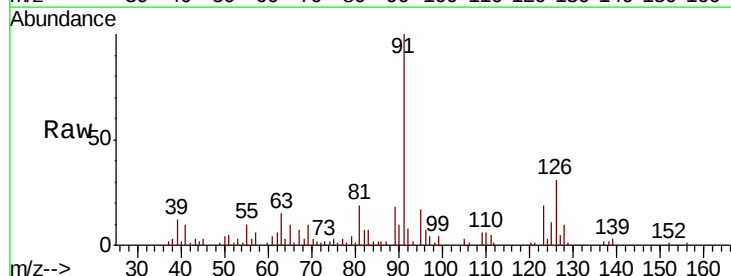
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

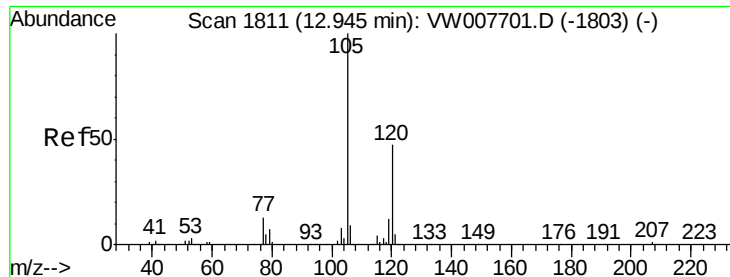
Tot Ion: 91 Resp: 19588
 Ion Ratio Lower Upper
 91 100
 120 23.7 11.9 35.7



#79
 2-Chlorotoluene
 Concen: 53.673 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 91 Resp: 15060
 Ion Ratio Lower Upper
 91 100
 126 31.9 17.0 51.0





#80

1,3,5-Trimethylbenzene

Concen: 43.440 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

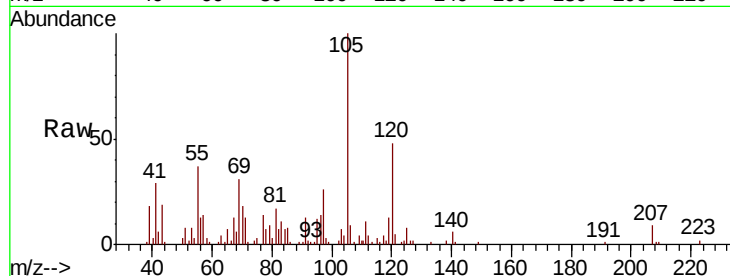
P001-DS001-01MS

Tot Ion:105 Resp: 15504

Ion Ratio Lower Upper

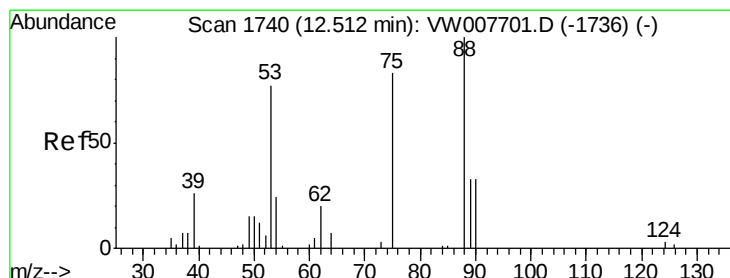
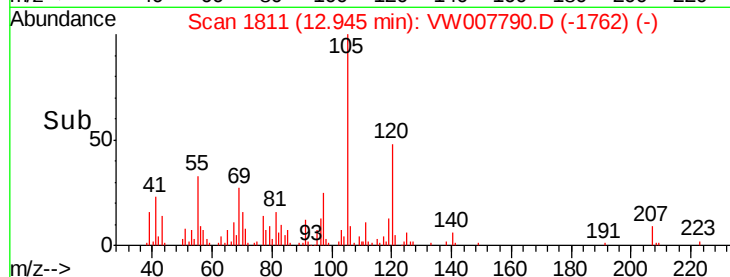
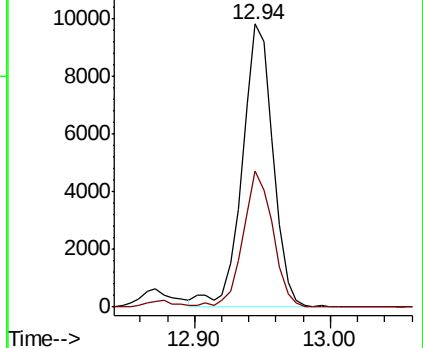
105 100

120 46.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 194.781 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

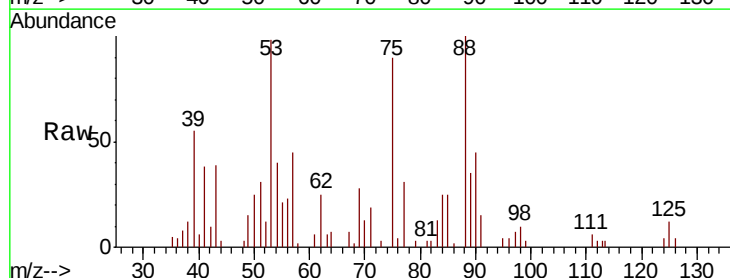
Tgt Ion: 75 Resp: 3926

Ion Ratio Lower Upper

75 100

53 92.8 80.2 120.2

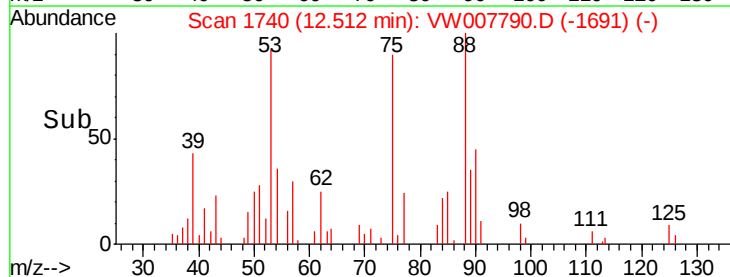
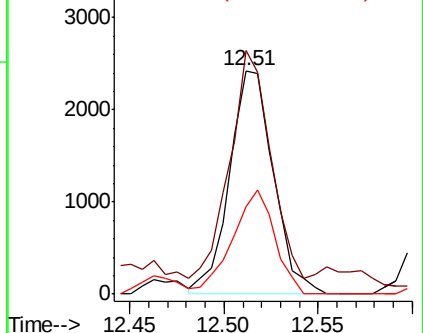
89 44.7 39.2 58.8

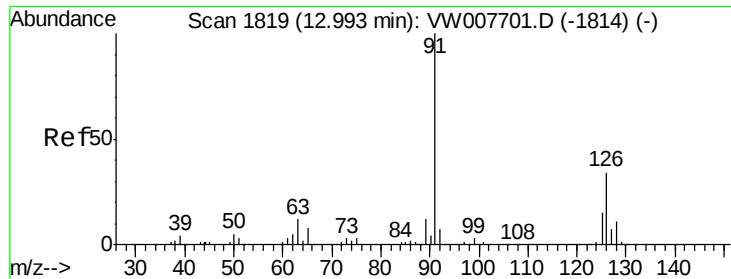


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

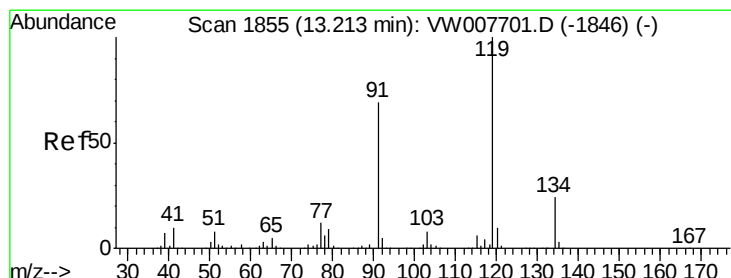
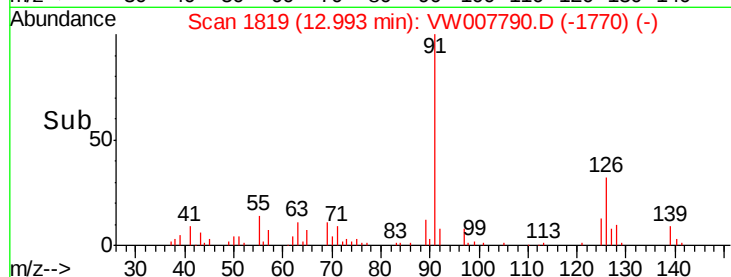
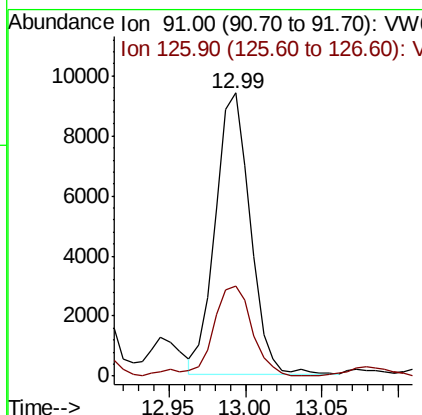
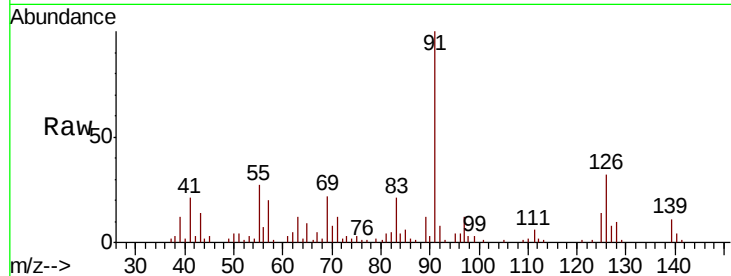




#82
4-Chlorotoluene
Concen: 49.488 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

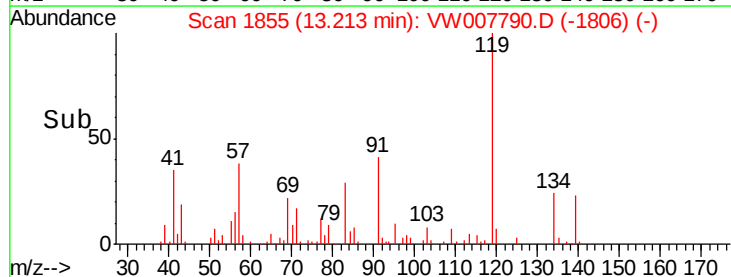
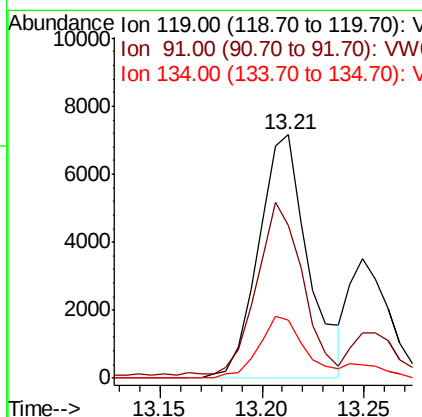
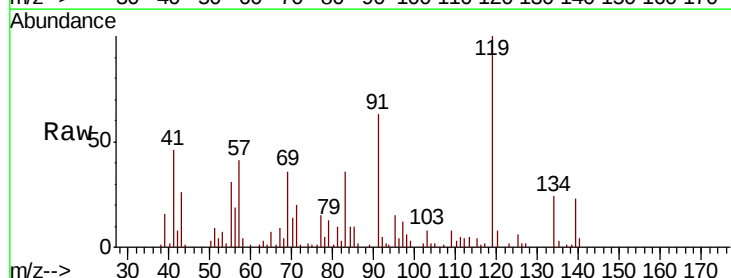
Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

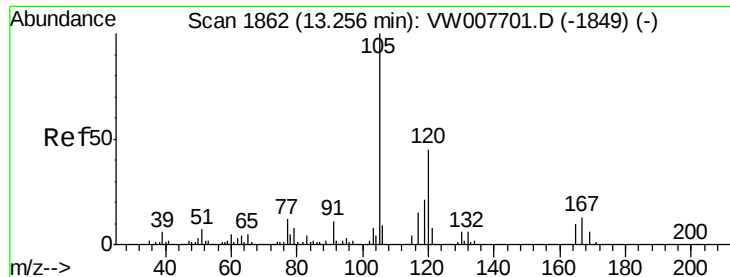
Tot Ion: 91 Resp: 14785
Ion Ratio Lower Upper
91 100
126 36.8 16.5 49.5



#83
tert-Butylbenzene
Concen: 38.498 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 119 Resp: 12056
Ion Ratio Lower Upper
119 100
91 66.4 34.2 102.5
134 23.7 12.8 38.4

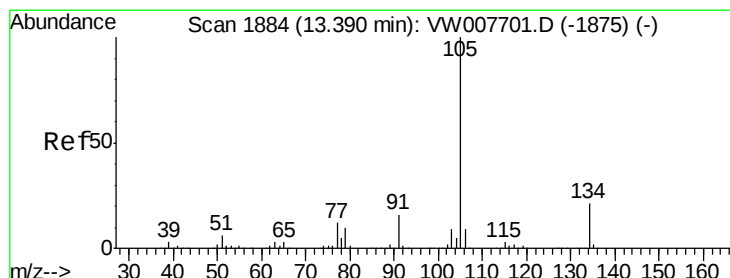
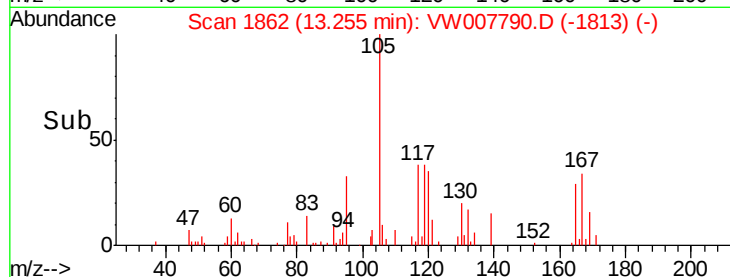
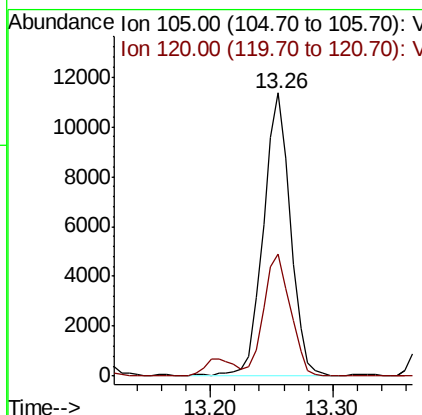
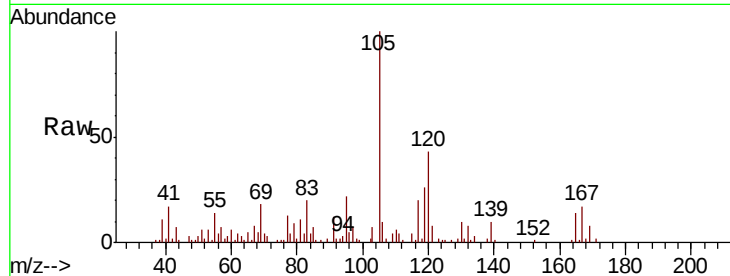




#84
1,2,4-Trimethylbenzene
Concen: 48.495 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

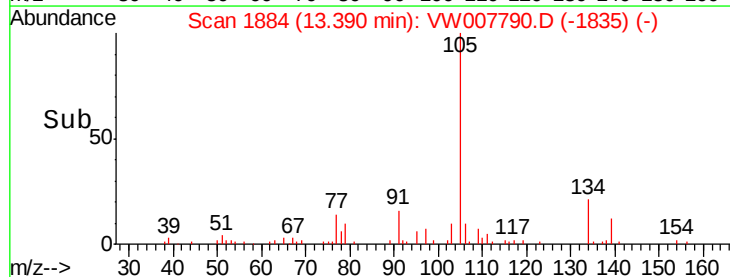
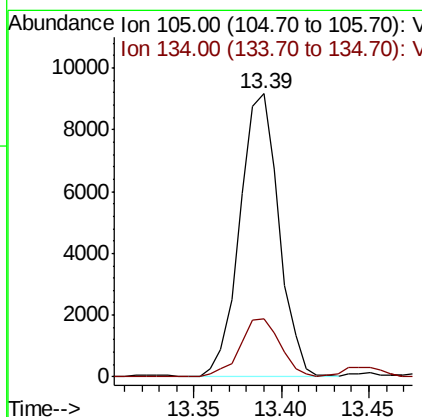
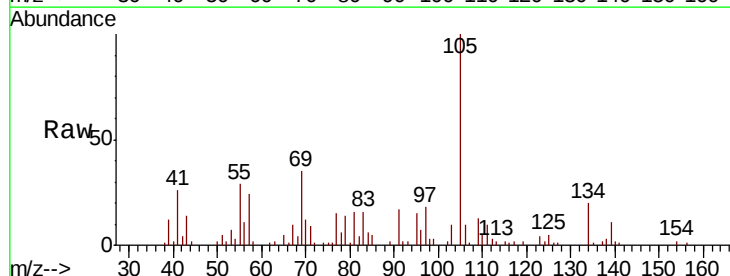
Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

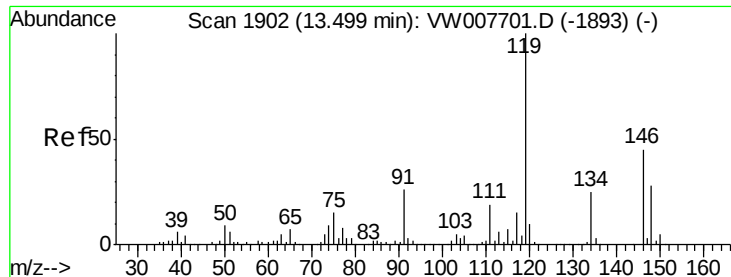
Tot Ion:105 Resp: 17465
Ion Ratio Lower Upper
105 100
120 42.9 22.0 66.0



#85
sec-Butylbenzene
Concen: 33.043 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion:105 Resp: 14261
Ion Ratio Lower Upper
105 100
134 21.2 10.2 30.4

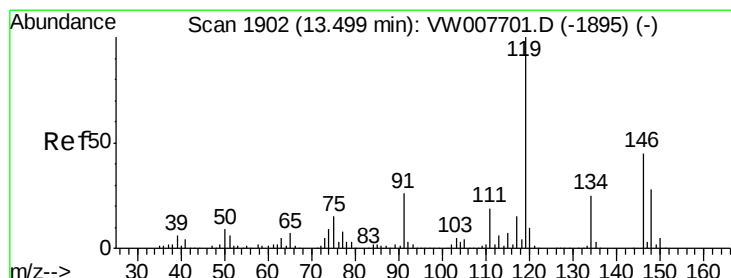
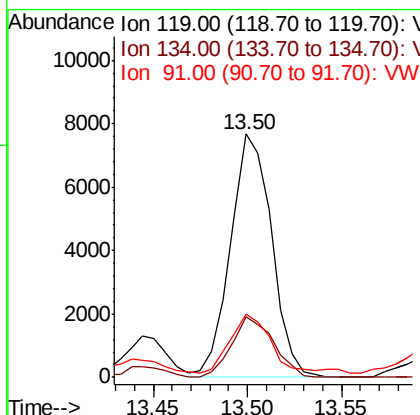
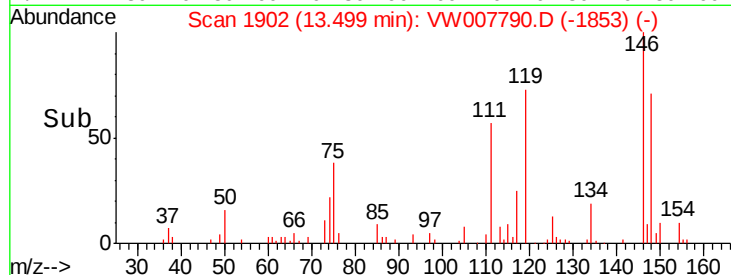
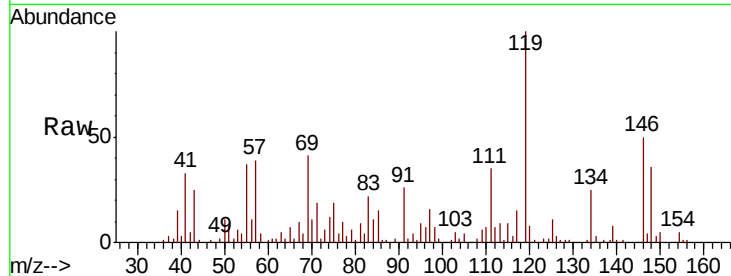




#86
 p-Isopropyltoluene
 Concen: 29.642 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

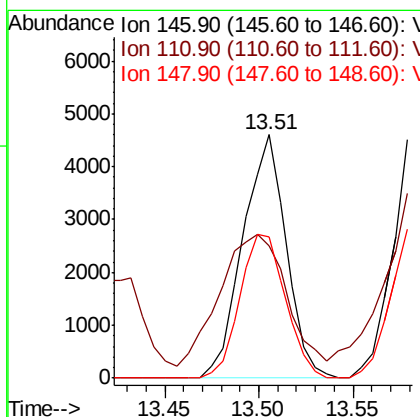
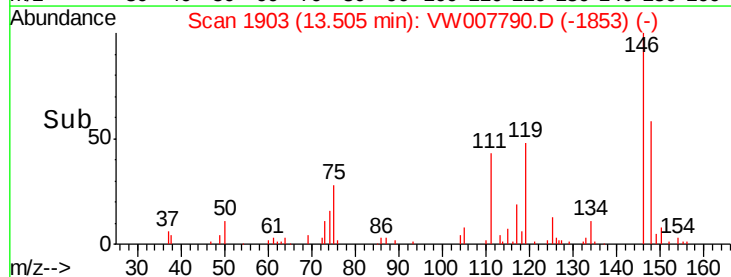
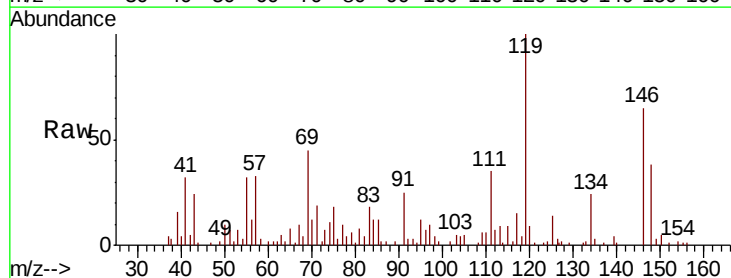
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

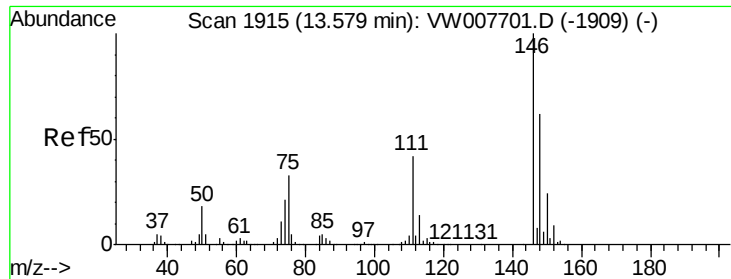
Tot Ion:119 Resp: 11633
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 39.0
 91 24.9 12.8 38.4



#87
 1,3-Dichlorobenzene
 Concen: 38.906 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion:146 Resp: 7325
 Ion Ratio Lower Upper
 146 100
 111 82.5 21.1 63.4#
 148 62.1 32.1 96.5

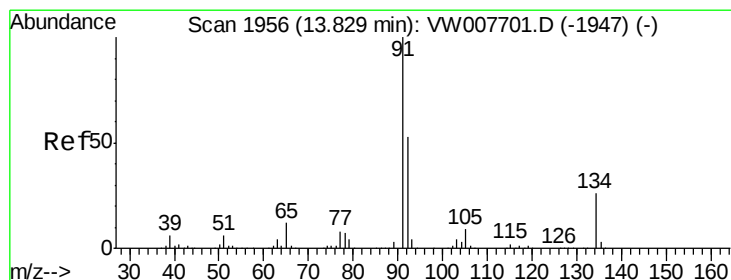
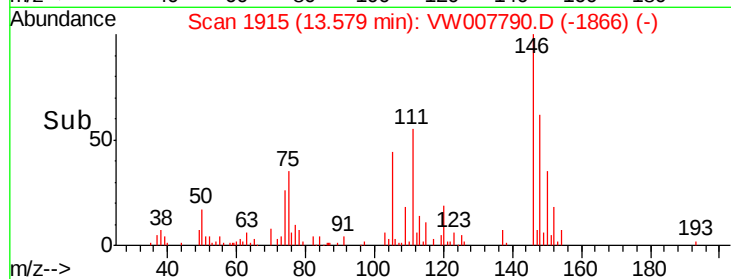
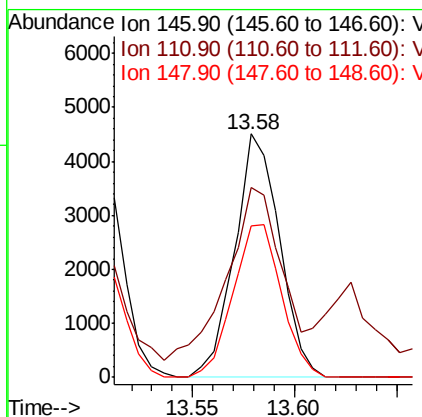
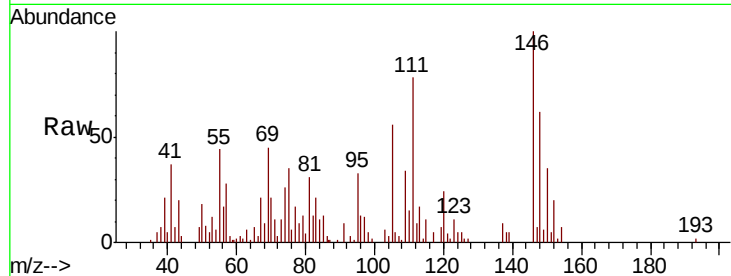




#88
 1,4-Dichlorobenzene
 Concen: 36.537 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

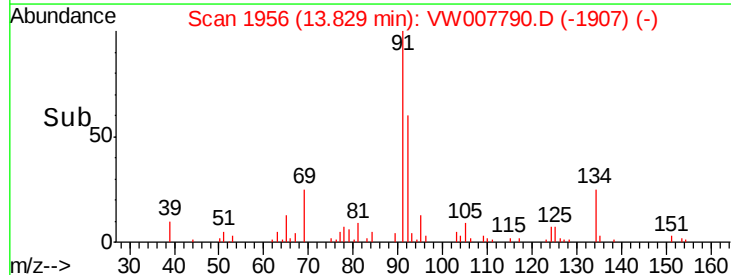
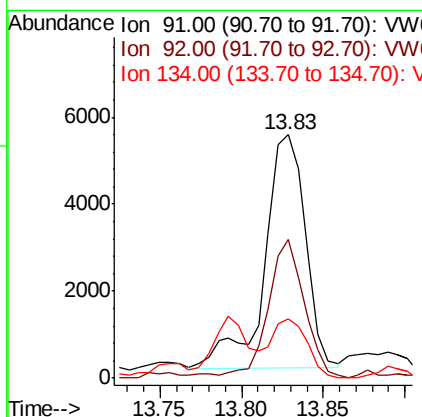
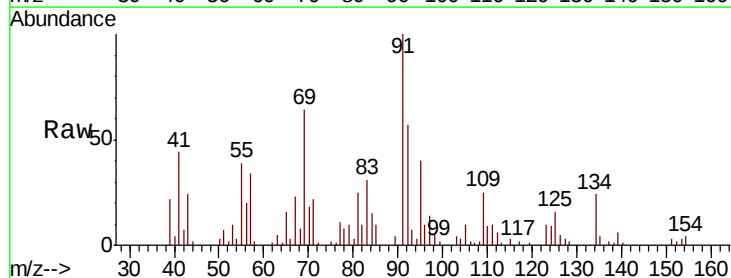
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

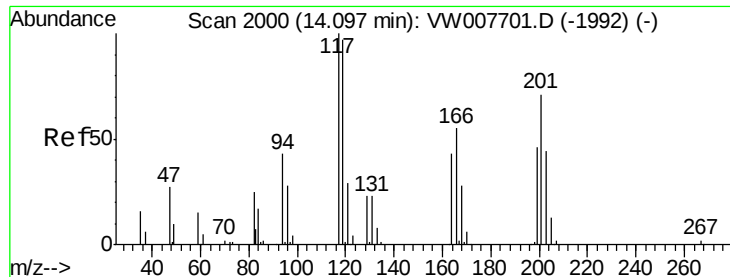
Tot Ion:146 Resp: 6881
 Ion Ratio Lower Upper
 146 100
 111 85.9 21.0 63.0#
 148 68.0 31.8 95.4



#89
 n-Butylbenzene
 Concen: 25.734 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 91 Resp: 9260
 Ion Ratio Lower Upper
 91 100
 92 53.6 26.4 79.2
 134 22.2 13.7 41.0

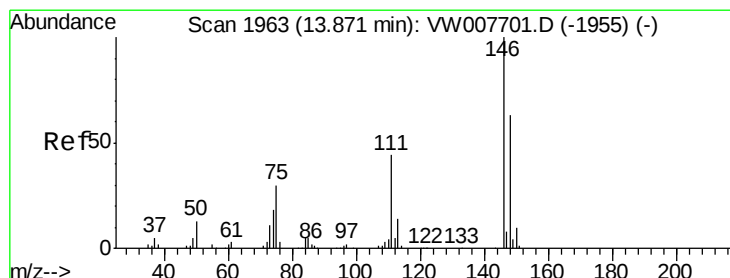
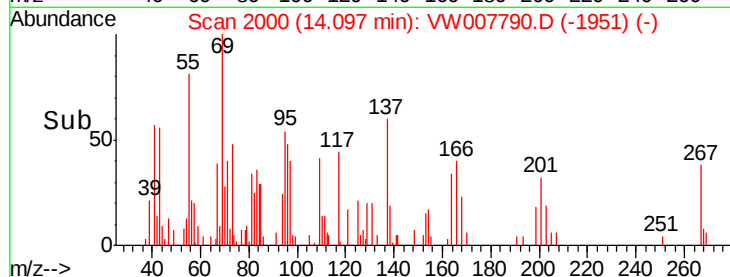
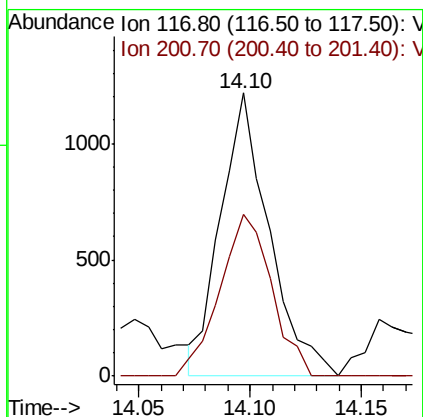
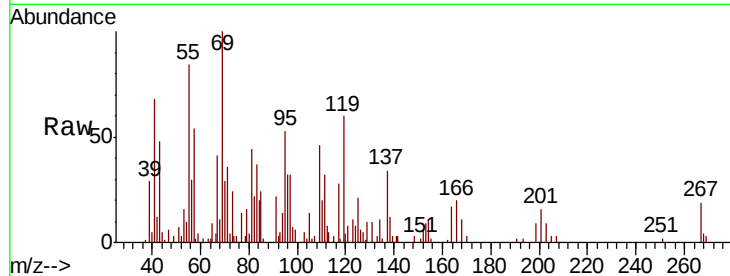




#90
Hexachloroethane
Concen: 26.648 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

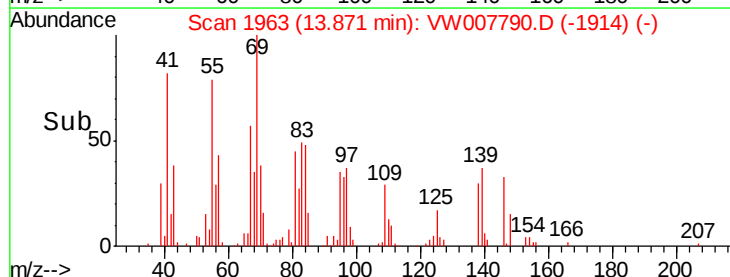
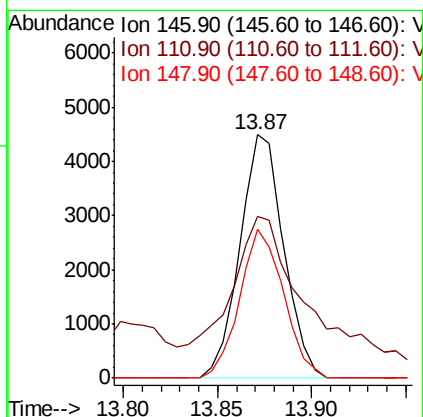
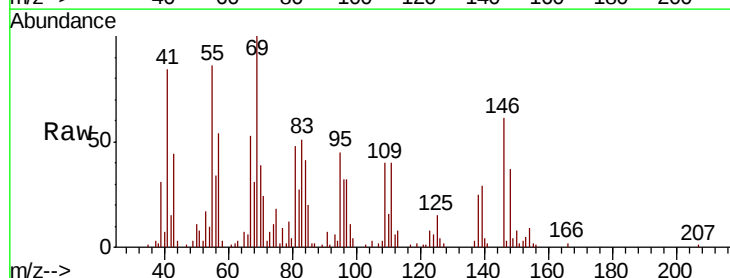
Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

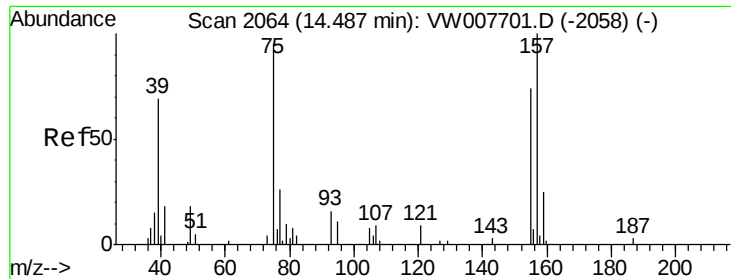
Tot Ion:117 Resp: 1836
Ion Ratio Lower Upper
117 100
201 61.3 36.2 108.6



#91
1,2-Dichlorobenzene
Concen: 42.777 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion:146 Resp: 7211
Ion Ratio Lower Upper
146 100
111 96.1 21.7 65.1#
148 61.5 32.1 96.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 155.018 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

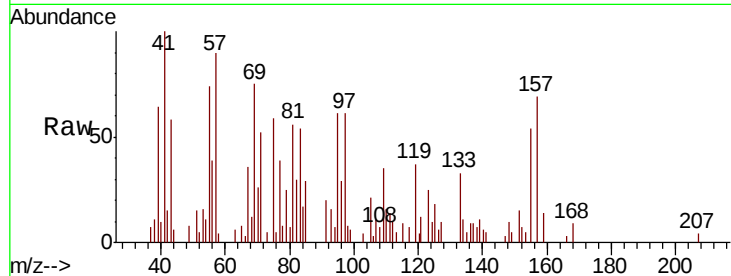
Tot Ion: 75 Resp: 1975

Ion Ratio Lower Upper

75 100

155 79.7 39.4 118.1

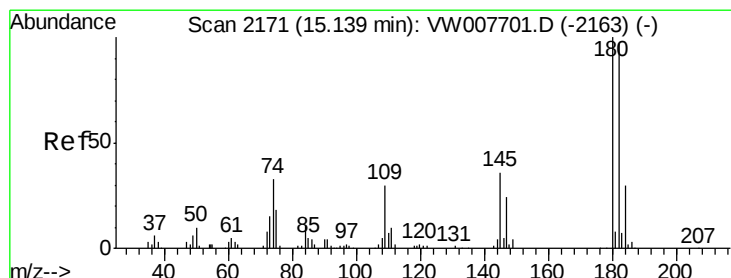
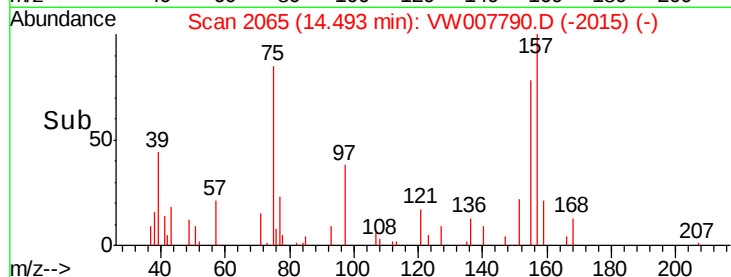
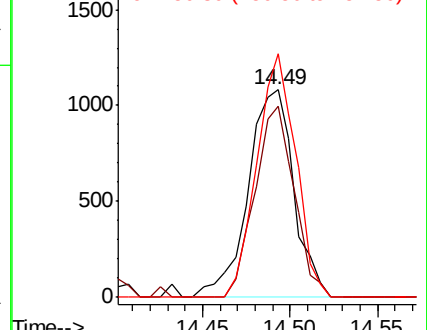
157 99.7 52.0 156.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 16.212 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

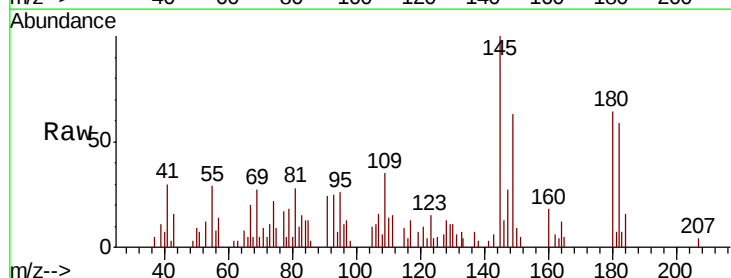
Tgt Ion: 180 Resp: 1897

Ion Ratio Lower Upper

180 100

182 100.5 47.5 142.6

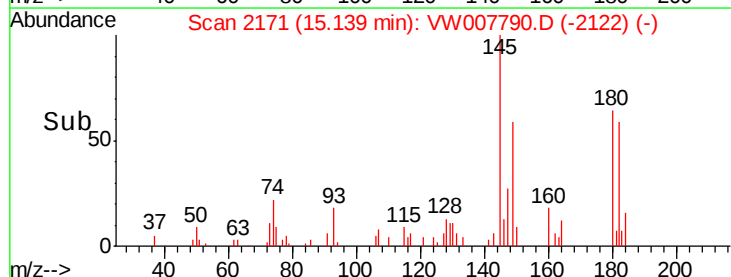
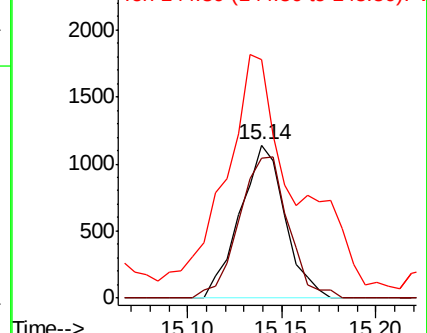
145 264.0 17.5 52.5#

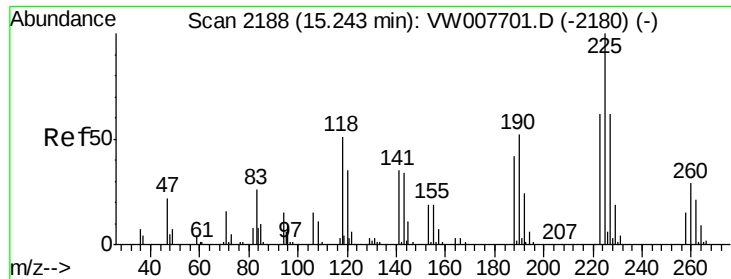


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 12.825 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

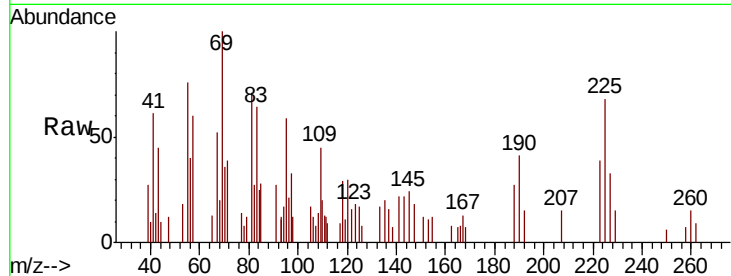
Tot Ion:225 Resp: 802

Ion Ratio Lower Upper

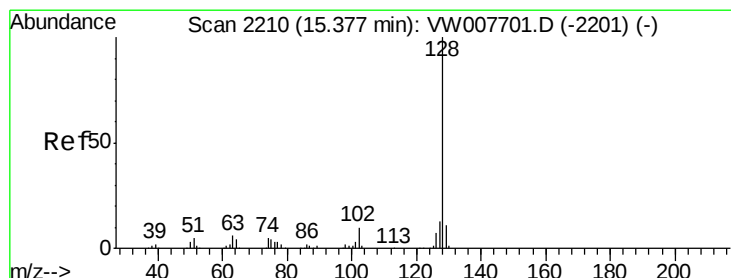
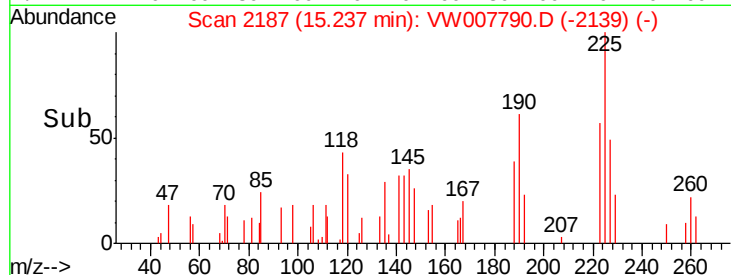
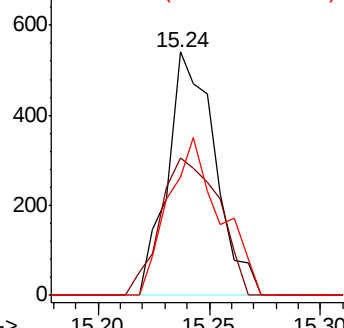
225 100

223 70.0 31.6 94.8

227 70.9 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 40.335 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

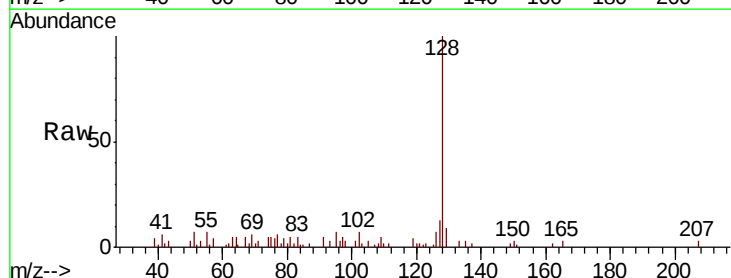
Tgt Ion:128 Resp: 8726

Ion Ratio Lower Upper

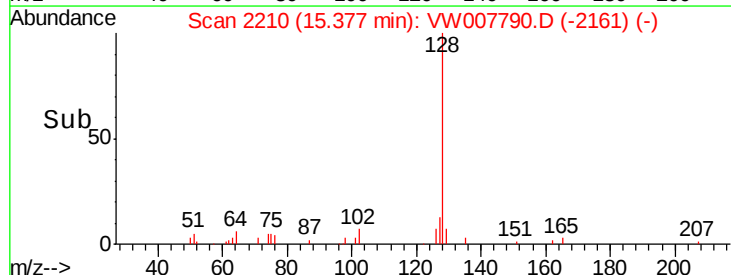
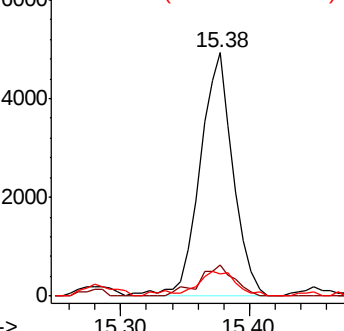
128 100

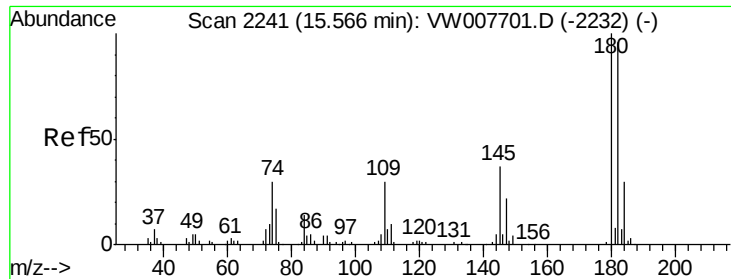
127 13.6 10.7 16.1

129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 14.177 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tot Ion:180 Resp: 1420
 Ion Ratio Lower Upper
 180 100
 182 98.7 47.4 142.2
 145 124.5 18.4 55.0#

