

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007797.D
 Acq On : 21 Dec 2018 16:01
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 23:48:10 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	81574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	131826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57974	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	40959	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
35) Dibromofluoromethane	7.88	113	38359	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	10.32	98	149872	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.62	95	57824	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	36358	50.136	ug/l	99
3) Chloromethane	2.21	50	24570	55.176	ug/l	96
4) Vinyl Chloride	2.37	62	31089	54.845	ug/l	99
5) Bromomethane	2.78	94	20925	52.999	ug/l	98
6) Chloroethane	2.93	64	17565	57.920	ug/l	99
7) Trichlorofluoromethane	3.25	101	24939	42.259	ug/l	96
8) Diethyl Ether	3.67	74	17853	49.390	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43753	50.340	ug/l	99
10) Methyl Iodide	4.26	142	68063	49.243	ug/l	96
11) Tert butyl alcohol	5.18	59	15480	256.660	ug/l	99
12) 1,1-Dichloroethene	4.03	96	41923	52.090	ug/l	95
13) Acrolein	3.89	56	10859	225.178	ug/l	96
14) Allyl chloride	4.65	41	58322	55.260	ug/l	94
15) Acrylonitrile	5.36	53	42218	273.801	ug/l	98
16) Acetone	4.12	43	43470	259.636	ug/l	93
17) Carbon Disulfide	4.37	76	120429	48.354	ug/l	99
18) Methyl Acetate	4.67	43	23805	59.785	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	64941	56.205	ug/l	97
20) Methylene Chloride	4.90	84	42529	50.908	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	46317	52.326	ug/l	97
22) Diisopropyl ether	6.31	45	112280	56.815	ug/l	98
23) Vinyl Acetate	6.25	43	325981	277.634	ug/l	98
24) 1,1-Dichloroethane	6.21	63	77129	53.052	ug/l	98
25) 2-Butanone	7.17	43	54153	276.142	ug/l	97
26) 2,2-Dichloropropane	7.17	77	53205	50.011	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49164	52.133	ug/l	99
28) Bromochloromethane	7.51	49	26410	53.279	ug/l	94
29) Tetrahydrofuran	7.52	42	33865	289.509	ug/l	98
30) Chloroform	7.67	83	83905	50.997	ug/l	98
31) Cyclohexane	7.95	56	70325	52.838	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	72757	48.555	ug/l	99
36) 1,1-Dichloropropene	8.08	75	67041	52.690	ug/l	99
37) Ethyl Acetate	7.25	43	24614	56.054	ug/l	99
38) Carbon Tetrachloride	8.06	117	67145	44.810	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	86921	54.977	ug/l	98
40) Benzene	8.32	78	178192	52.482	ug/l	99
41) Methacrylonitrile	7.49	41	16847	67.576	ug/l	85
42) 1,2-Dichloroethane	8.40	62	54912	48.261	ug/l	97
43) Isopropyl Acetate	8.43	43	47963	54.520	ug/l	99
44) Trichloroethene	9.09	130	52312	50.948	ug/l	99
45) 1,2-Dichloropropane	9.37	63	40732	54.066	ug/l	93
46) Dibromomethane	9.46	93	22869	49.313	ug/l	99
47) Bromodichloromethane	9.64	83	58438	47.932	ug/l	99
48) Methyl methacrylate	9.43	41	24418	55.606	ug/l	99
49) 1,4-Dioxane	9.45	88	8233	1119.729	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	114200	274.678	ug/l	100
52) Toluene	10.38	92	123630	54.271	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	61999	51.126	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	70179	52.392	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33759	52.804	ug/l	97
56) Ethyl methacrylate	10.65	69	41699	55.203	ug/l	95
57) 1,3-Dichloropropane	10.93	76	55803	52.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	98130	284.531	ug/l	98
59) 2-Hexanone	10.97	43	81933	280.217	ug/l	99
60) Dibromochloromethane	11.13	129	38028	44.923	ug/l	98
61) 1,2-Dibromoethane	11.24	107	33583	51.871	ug/l	98
64) Tetrachloroethene	10.86	164	42644	52.340	ug/l	96
65) Chlorobenzene	11.66	112	130409	52.367	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	45681	51.337	ug/l	99
67) Ethyl Benzene	11.73	91	238660	55.848	ug/l	95
68) m/p-Xylenes	11.84	106	183583	110.746	ug/l	98
69) o-Xylene	12.17	106	87248	56.149	ug/l	99
70) Styrene	12.18	104	141597	55.436	ug/l	99
71) Bromoform	12.35	173	20817	45.065	ug/l #	98
73) Isopropylbenzene	12.47	105	247050	56.376	ug/l	99
74) N-amyl acetate	12.27	43	45739	60.257	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	36146	55.014	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	50355	112.378	ug/l #	100
77) Bromobenzene	12.75	156	53171	52.944	ug/l	97
78) n-propylbenzene	12.80	91	282211	55.323	ug/l	100
79) 2-Chlorotoluene	12.90	91	164256	55.274	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	211791	56.030	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11769	55.132	ug/l	97
82) 4-Chlorotoluene	12.99	91	173502	54.834	ug/l	100
83) tert-Butylbenzene	13.21	119	186925	56.360	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	216249	56.696	ug/l	99
85) sec-Butylbenzene	13.39	105	255625	55.924	ug/l	100
86) p-Isopropyltoluene	13.51	119	232310	55.892	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	105943	53.131	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106803	53.547	ug/l	99
89) n-Butylbenzene	13.83	91	217220	57.000	ug/l	99
90) Hexachloroethane	14.10	117	33645	46.108	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	94580	52.977	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6782	50.262	ug/l	97

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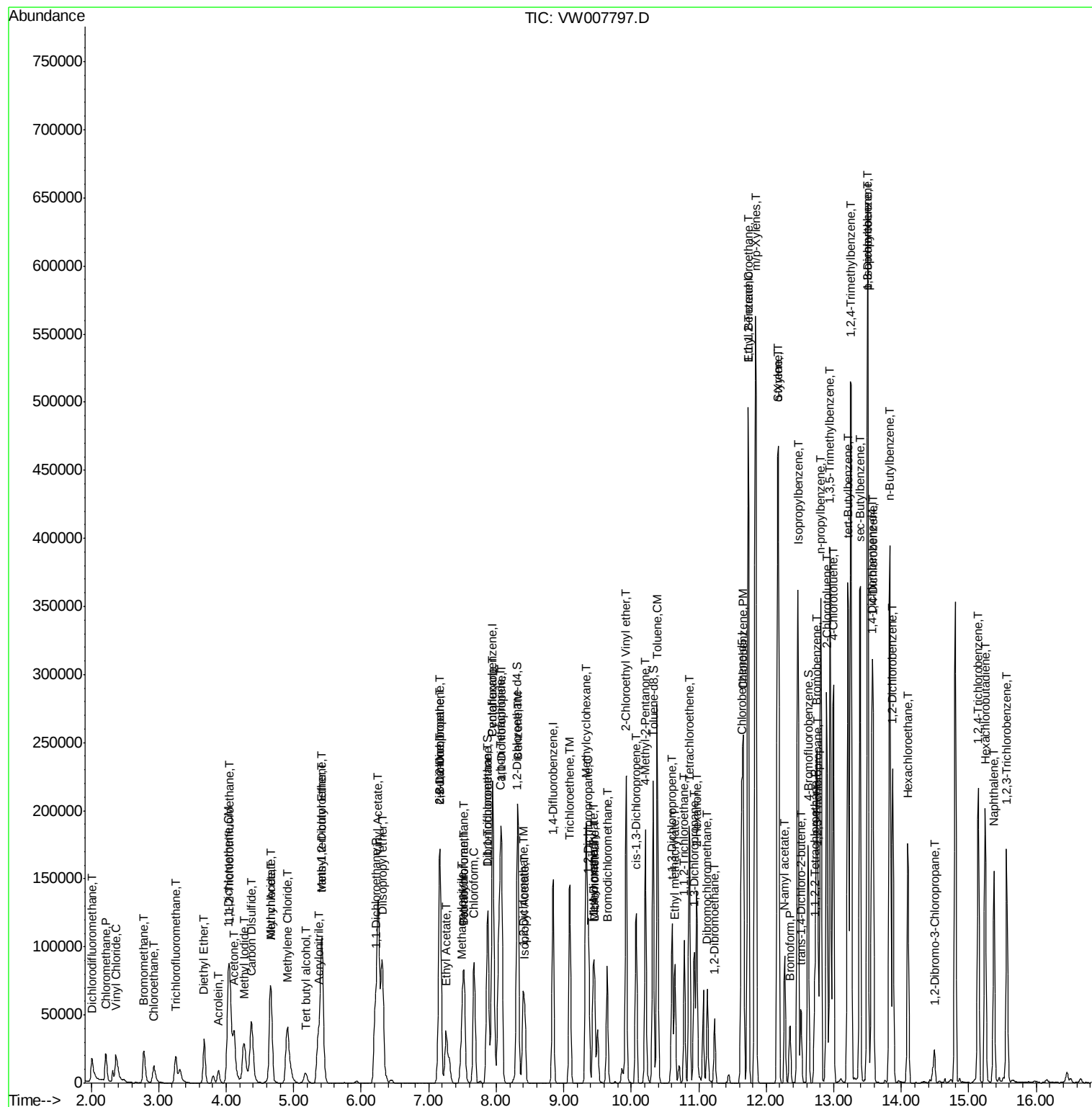
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	68070	54.928	ug/l	99
94) Hexachlorobutadiene	15.24	225	37424	56.507	ug/l	98
95) Naphthalene	15.37	128	136434	59.547	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	57878	54.560	ug/l	99

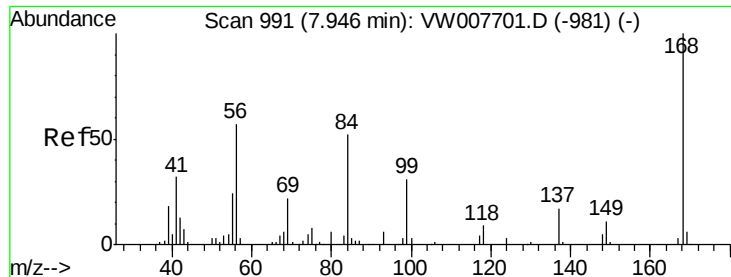
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

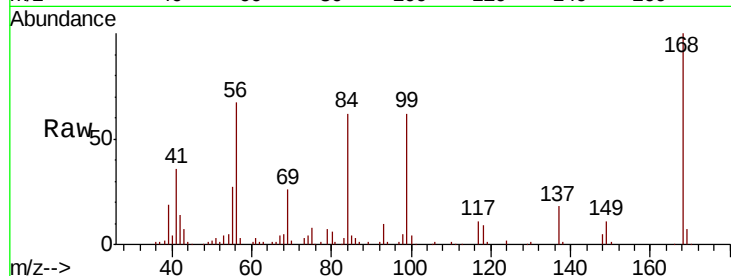
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 81574

Ion Ratio Lower Upper

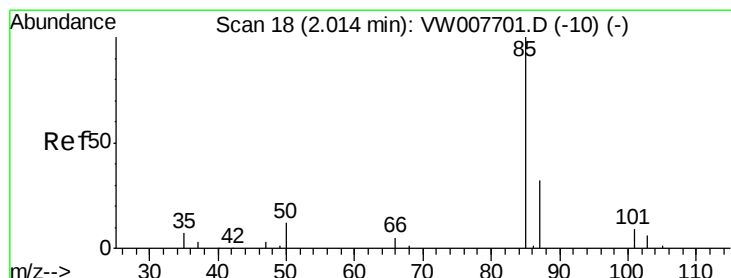
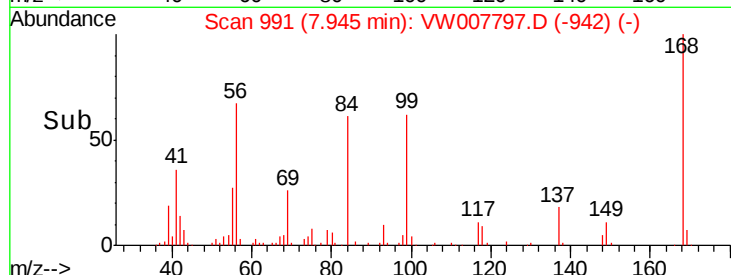
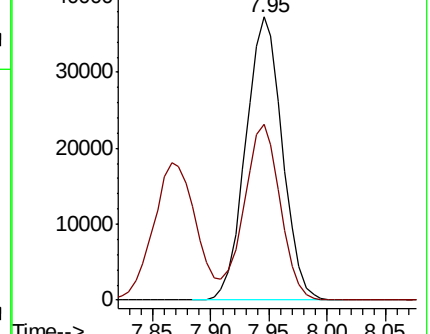
168 100

99 62.0 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.136 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007797.D

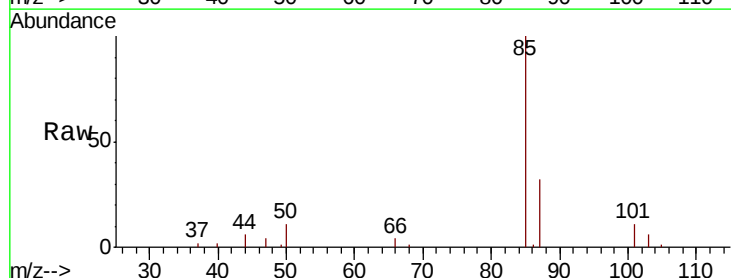
Acq: 21 Dec 2018 16:01

Tgt Ion: 85 Resp: 36358

Ion Ratio Lower Upper

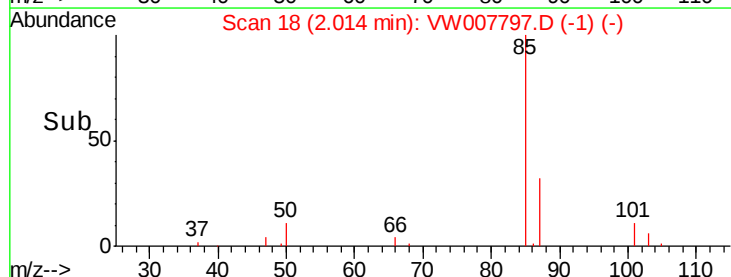
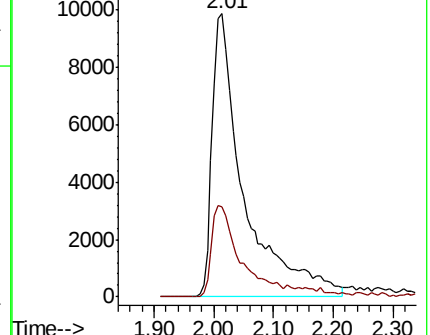
85 100

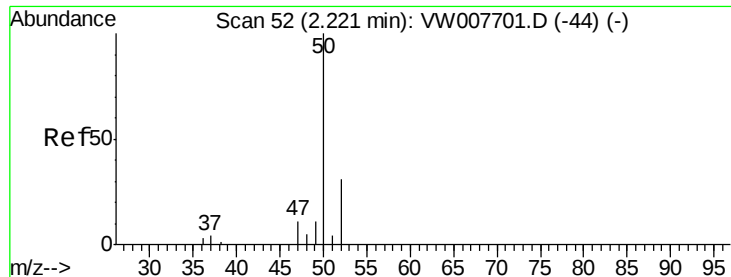
87 31.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 55.176 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

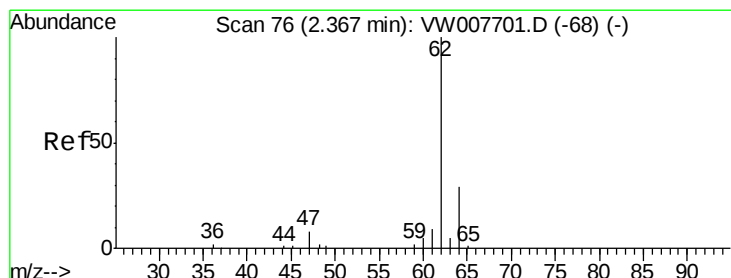
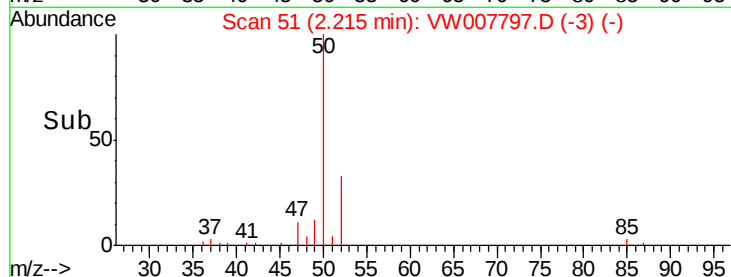
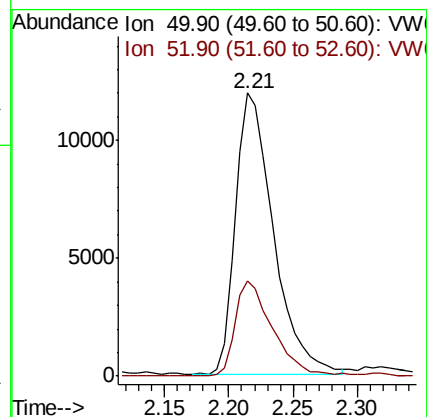
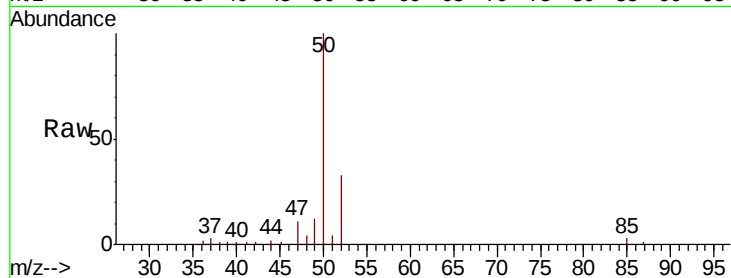
ClientSampleId :

Tot Ion: 50 Resp: 24570

Ion Ratio Lower Upper

50 100

52 33.6 25.1 37.7



#4

Vinyl Chloride

Concen: 54.845 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007797.D

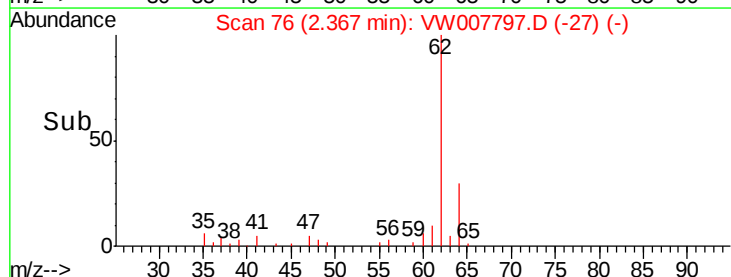
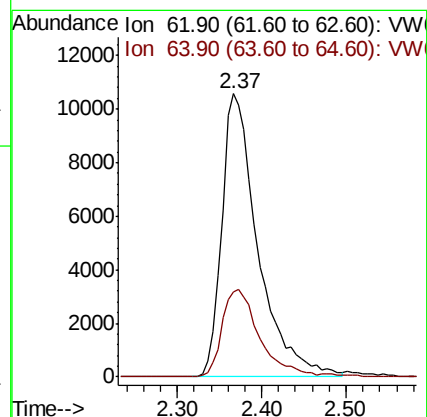
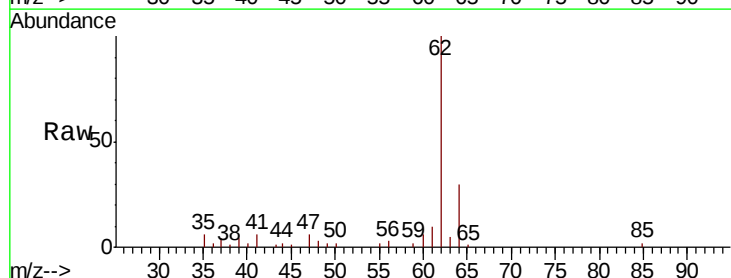
Acq: 21 Dec 2018 16:01

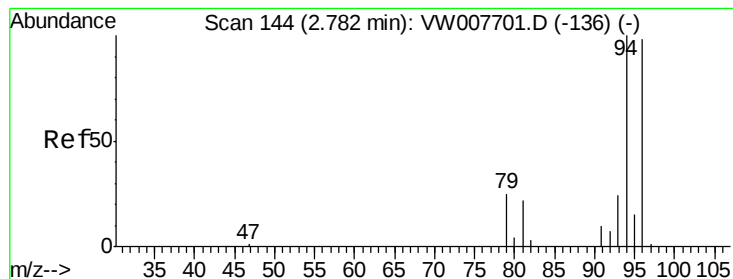
Tgt Ion: 62 Resp: 31089

Ion Ratio Lower Upper

62 100

64 30.0 23.4 35.0





#5

Bromomethane

Concen: 52.999 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

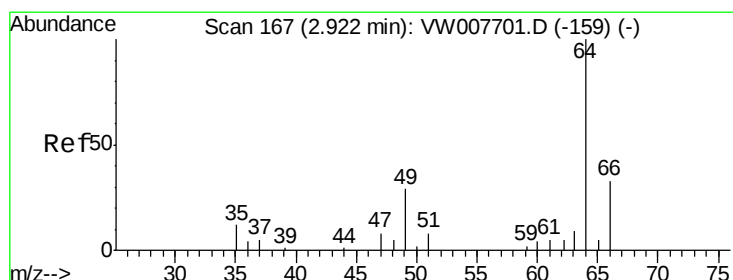
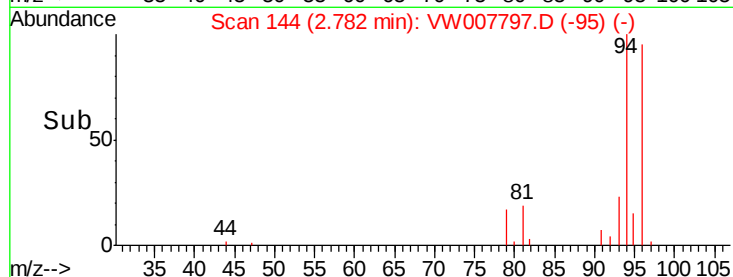
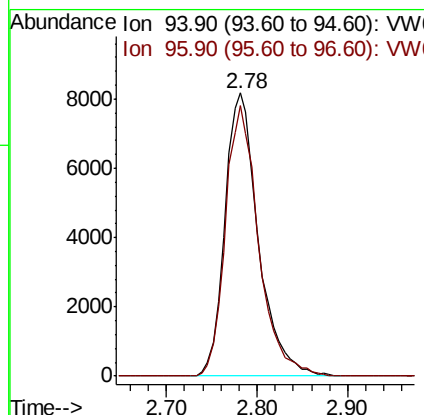
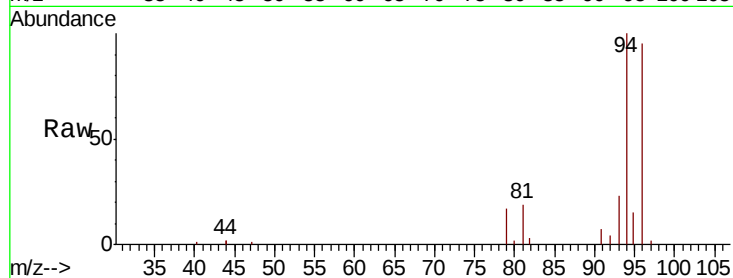
ClientSampleId :

Tot Ion: 94 Resp: 20925

Ion Ratio Lower Upper

94 100

96 95.4 78.2 117.2



#6

Chloroethane

Concen: 57.920 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007797.D

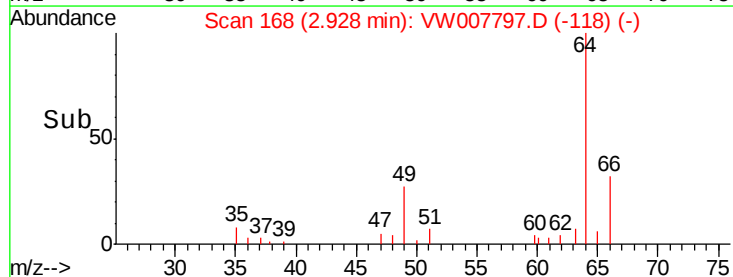
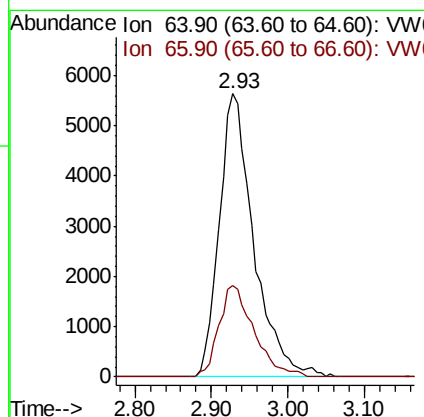
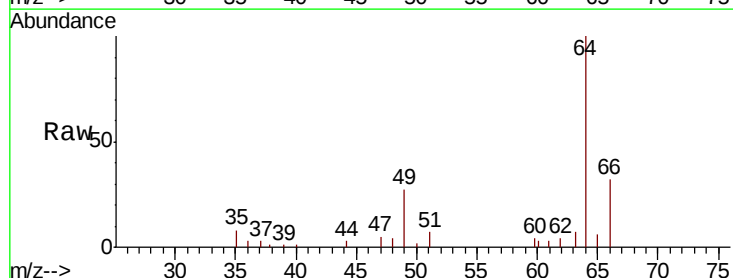
Acq: 21 Dec 2018 16:01

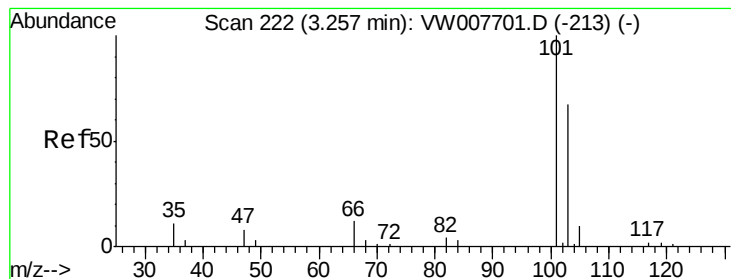
Tgt Ion: 64 Resp: 17565

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.4



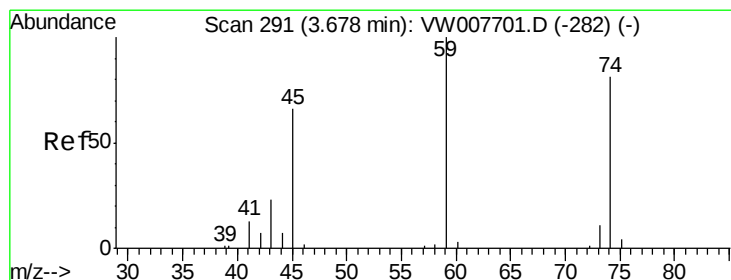
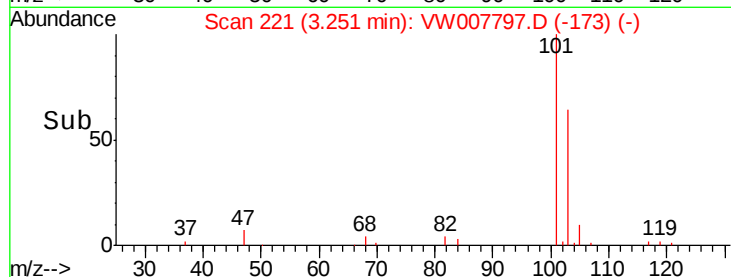
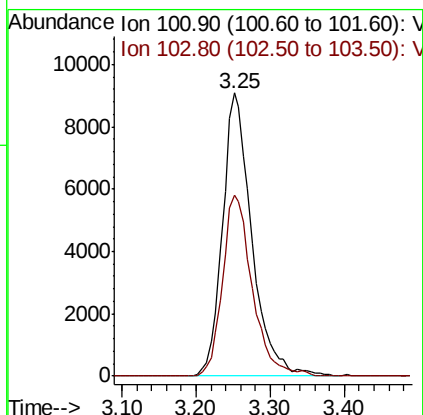
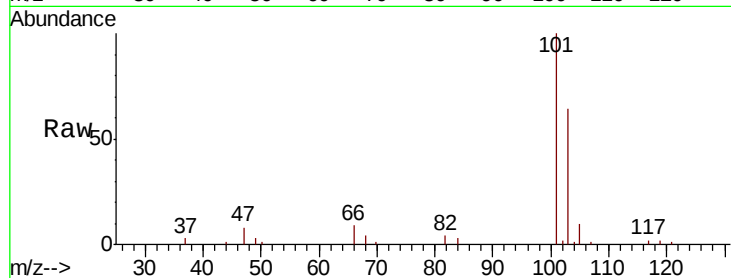


#7

Trichlorofluoromethane
 Concen: 42.259 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampled :

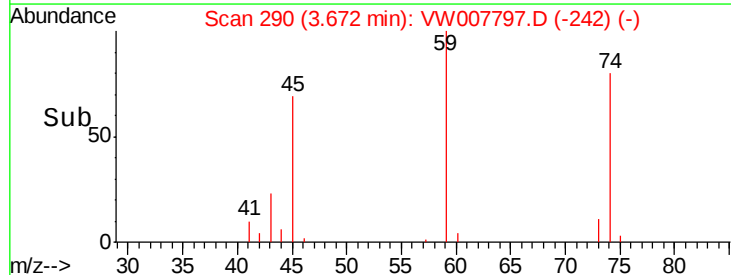
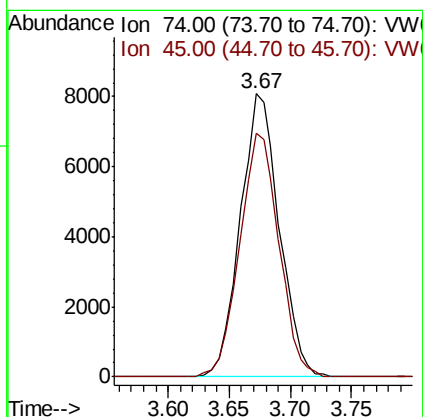
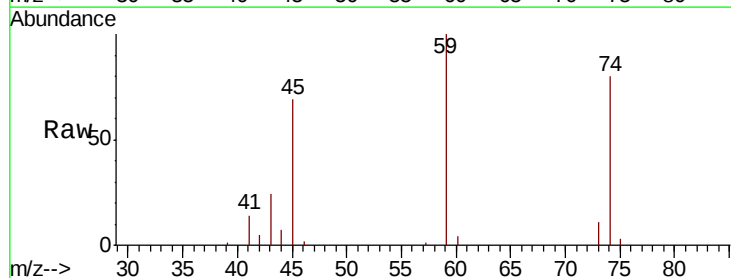
Tot Ion:101 Resp: 24939
 Ion Ratio Lower Upper
 101 100
 103 63.8 53.4 80.2

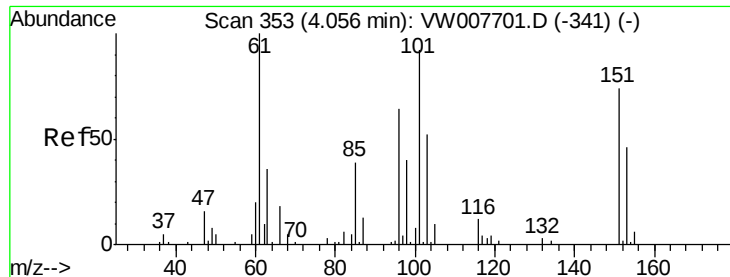


#8

Diethyl Ether
 Concen: 49.390 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion: 74 Resp: 17853
 Ion Ratio Lower Upper
 74 100
 45 86.5 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.340 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

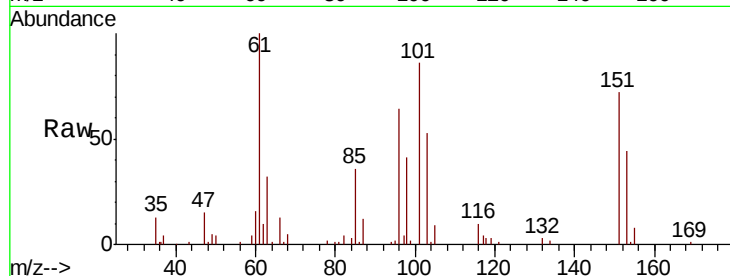
Tot Ion:101 Resp: 43753

Ion Ratio Lower Upper

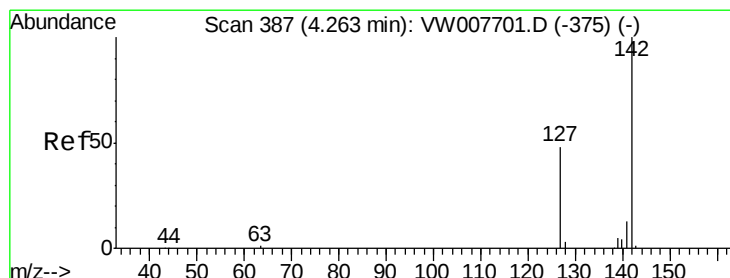
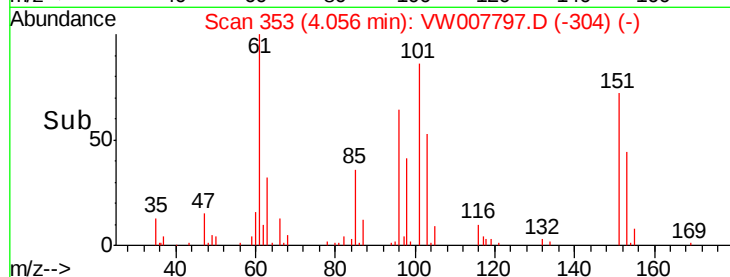
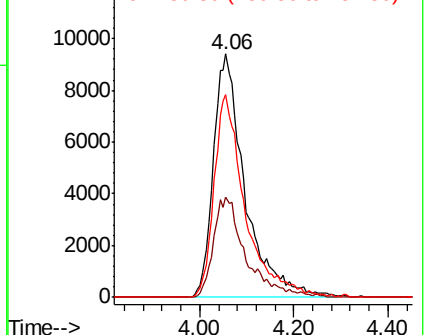
101 100

85 42.0 34.3 51.5

151 81.0 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.243 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

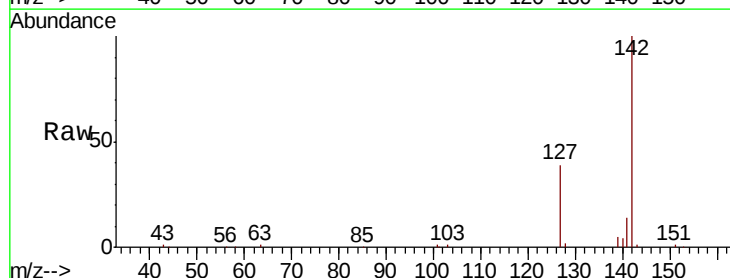
Tgt Ion:142 Resp: 68063

Ion Ratio Lower Upper

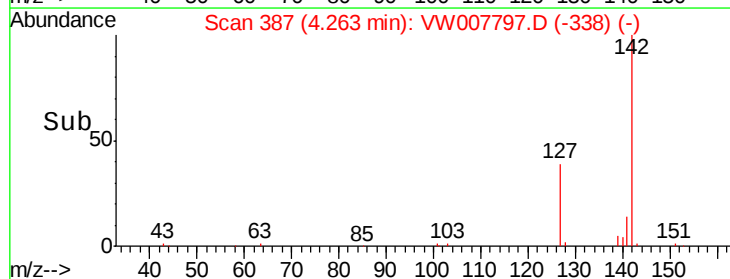
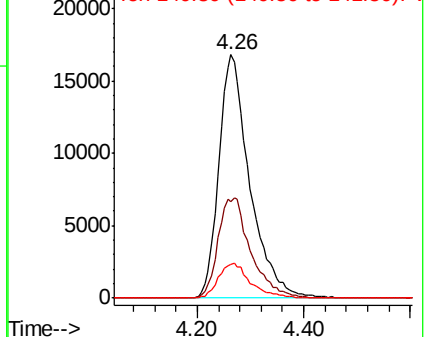
142 100

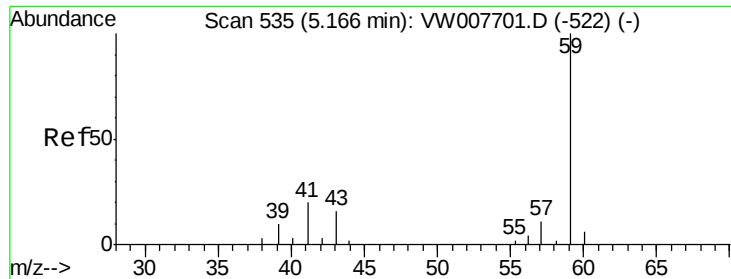
127 43.6 37.7 56.5

141 14.7 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



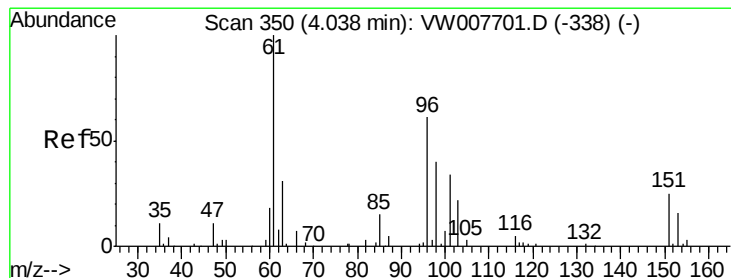
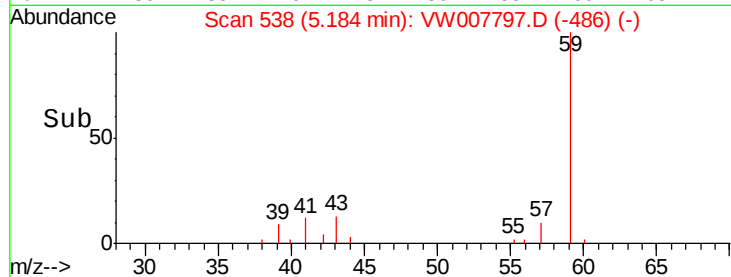
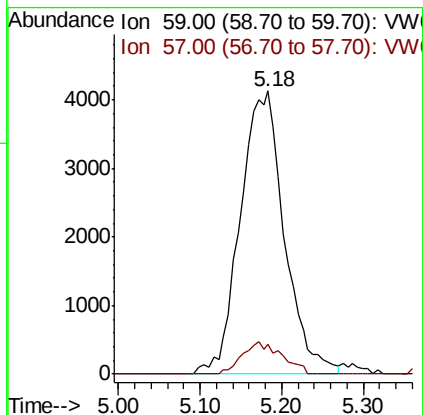
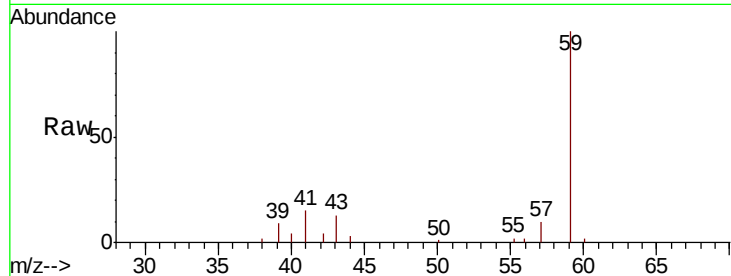


#11

Tert butyl alcohol
 Concen: 256.660 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :

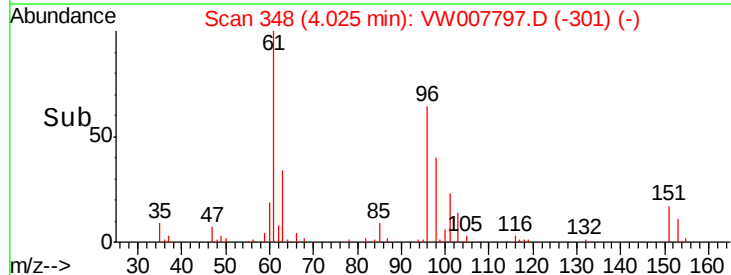
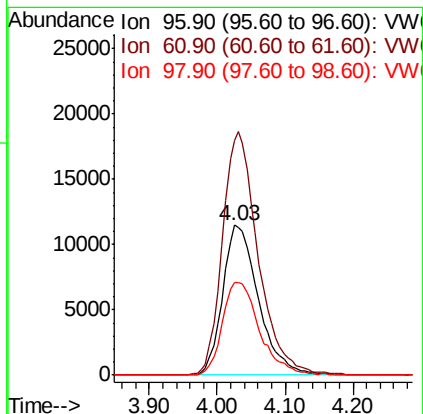
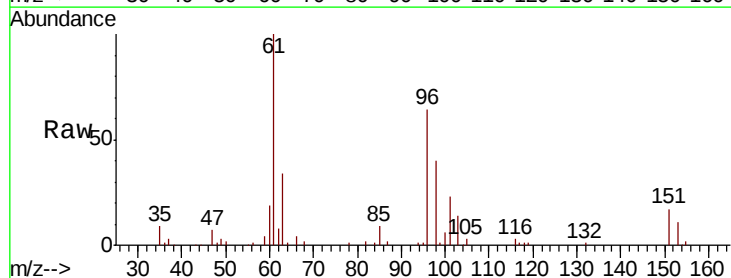
Tot Ion: 59 Resp: 15480
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.8 11.8

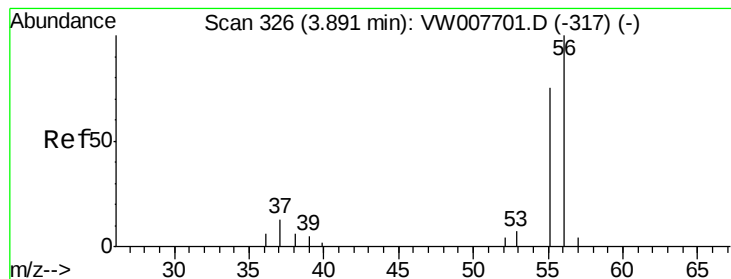


#12

1,1-Dichloroethene
 Concen: 52.090 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion: 96 Resp: 41923
 Ion Ratio Lower Upper
 96 100
 61 156.5 130.6 195.8
 98 62.1 52.3 78.5





#13

Acrolein

Concen: 225.178 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

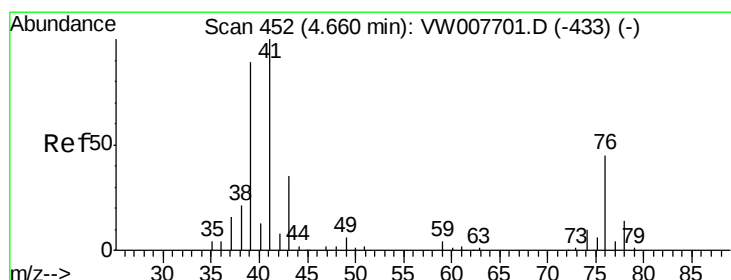
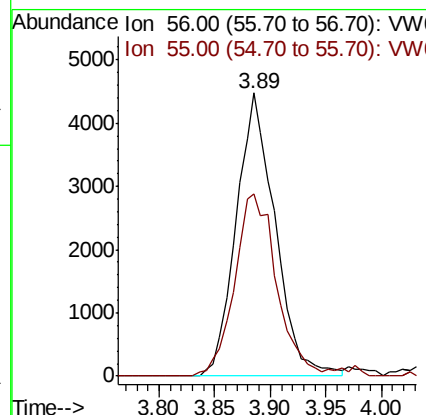
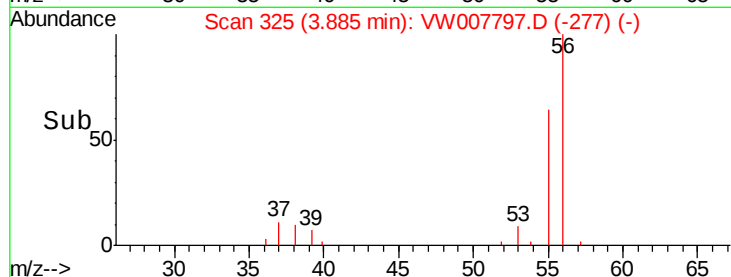
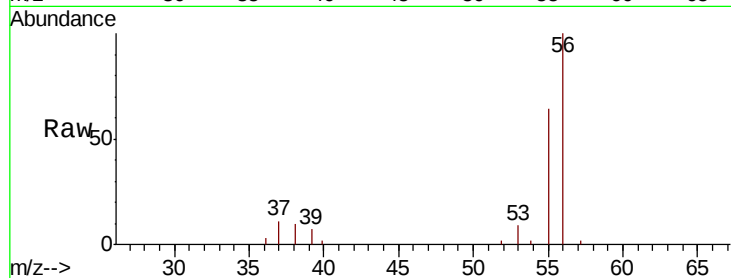
ClientSampleId :

Tot Ion: 56 Resp: 10859

Ion Ratio Lower Upper

56 100

55 69.1 57.7 86.5



#14

Allyl chloride

Concen: 55.260 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

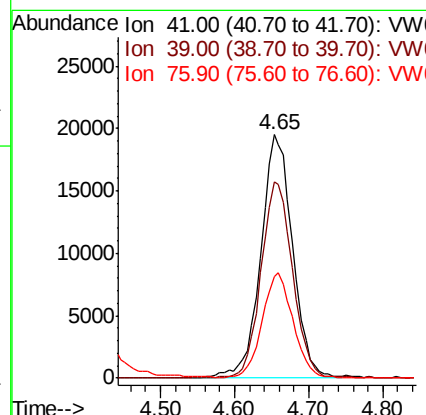
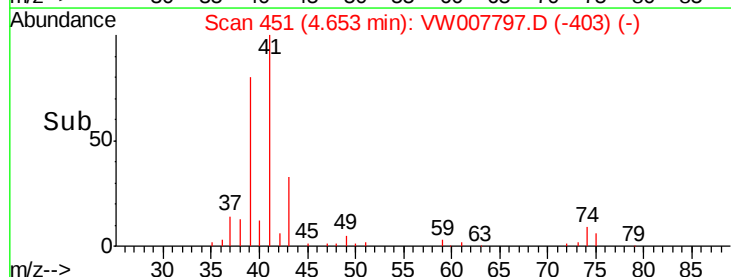
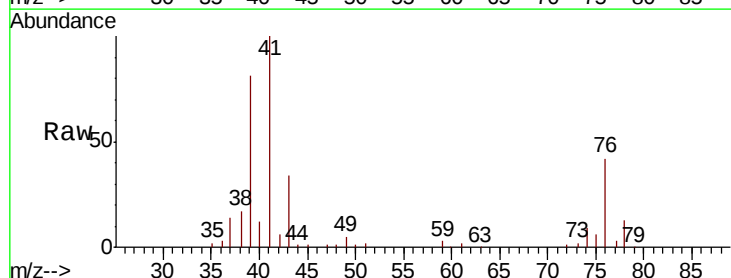
Tgt Ion: 41 Resp: 58322

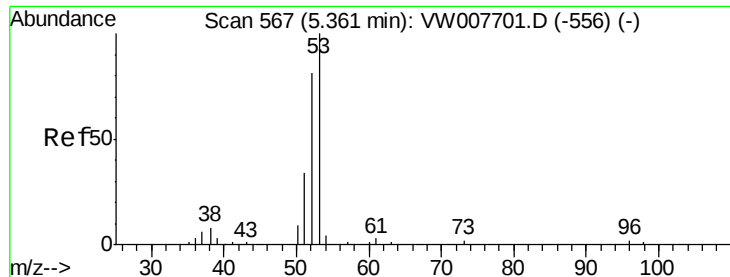
Ion Ratio Lower Upper

41 100

39 80.3 69.5 104.3

76 42.0 34.8 52.2





#15

Acrylonitrile

Concen: 273.801 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

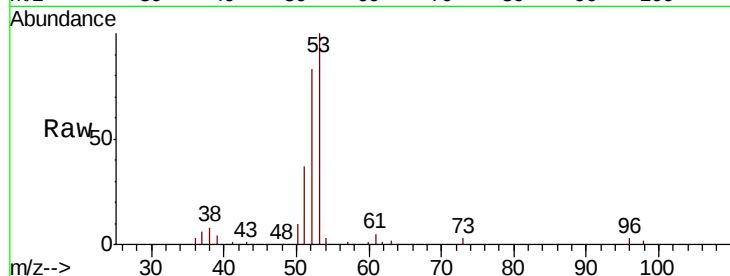
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 42218

Ion	Ratio	Lower	Upper
53	100		
52	84.9	67.0	100.4
51	38.9	30.2	45.2

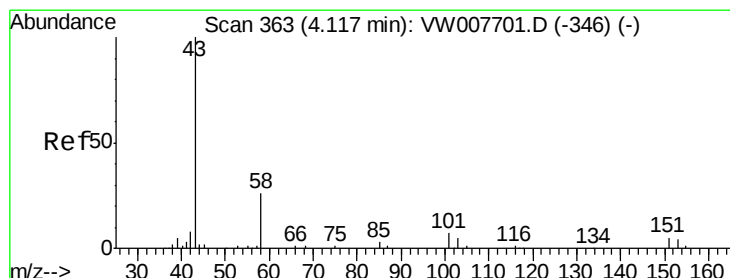
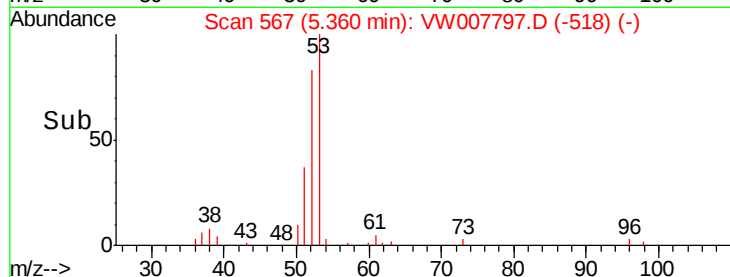
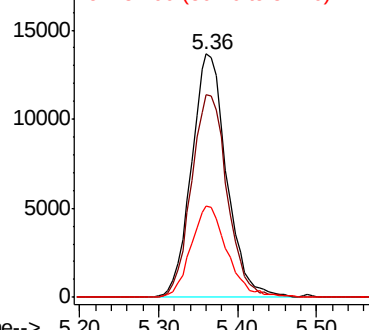


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 259.636 ug/l

RT: 4.12 min Scan# 363

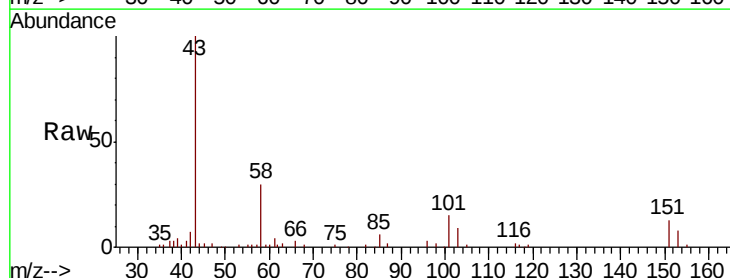
Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Tgt Ion: 43 Resp: 43470

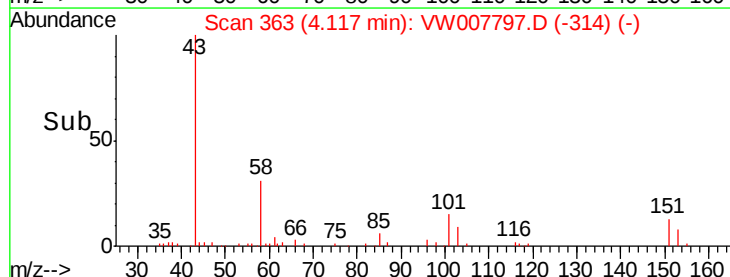
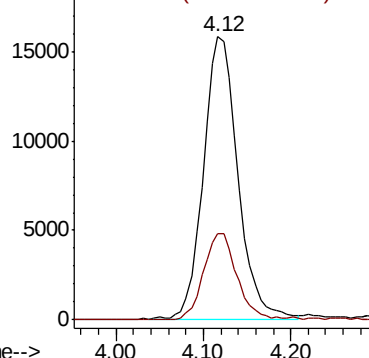
Ion	Ratio	Lower	Upper
43	100		
58	30.3	21.2	31.8

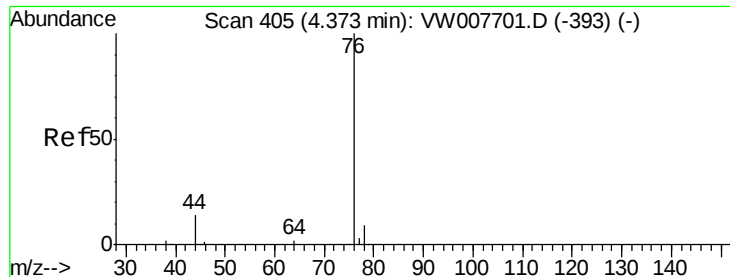


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

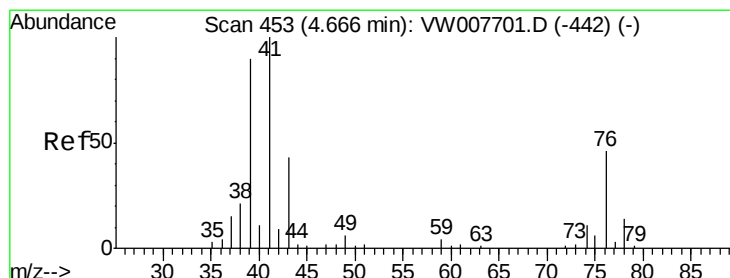
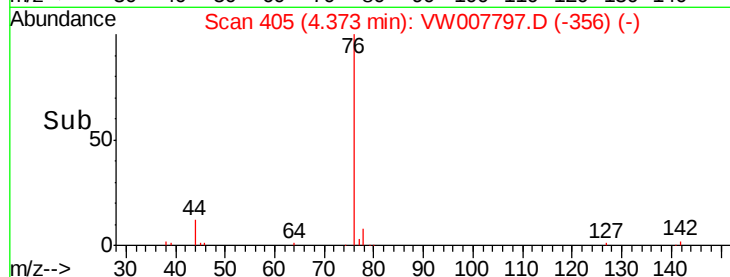
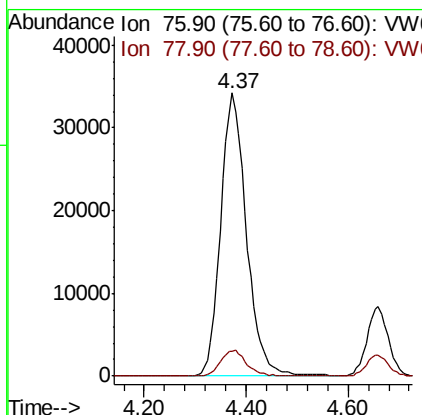
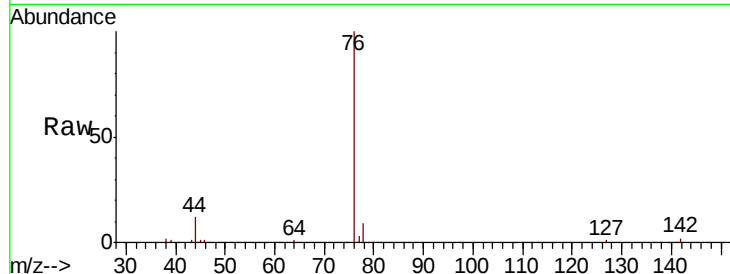




#17
Carbon Disulfide
Concen: 48.354 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

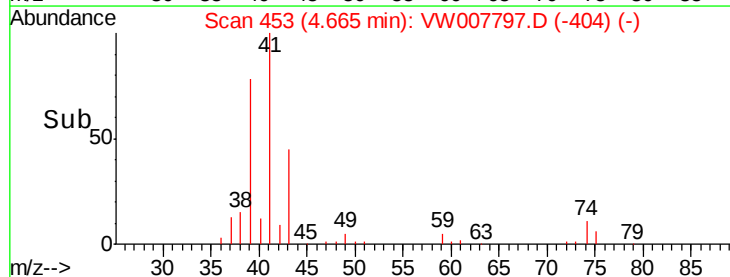
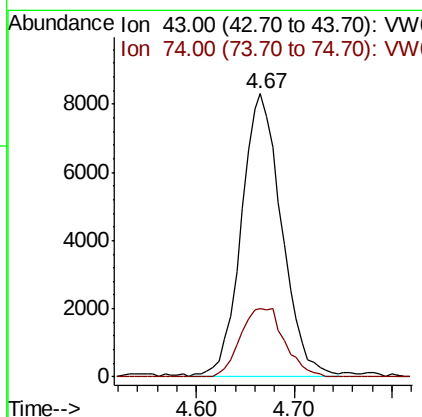
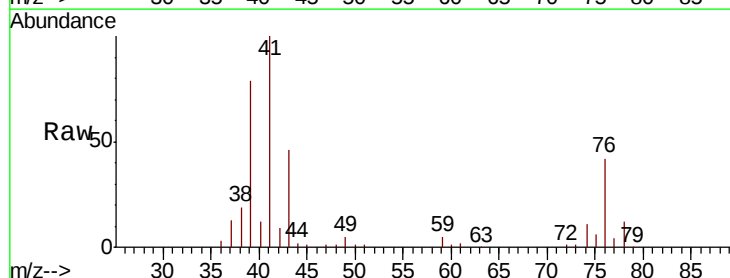
Instrument :
MSVOA_W
ClientSampleId :

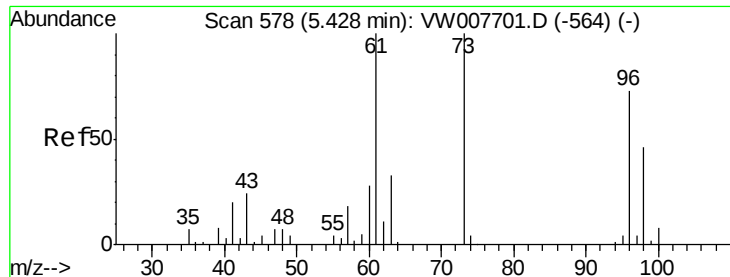
Tot Ion: 76 Resp: 120429
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 59.785 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 43 Resp: 23805
Ion Ratio Lower Upper
43 100
74 26.4 22.7 34.1

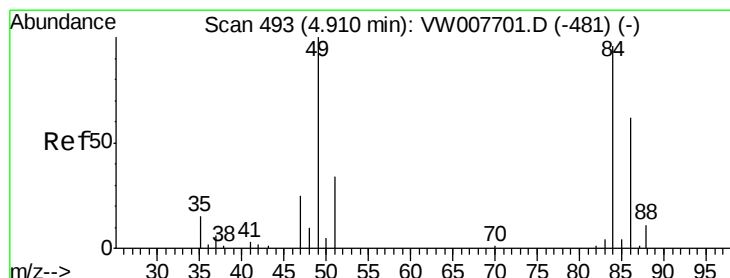
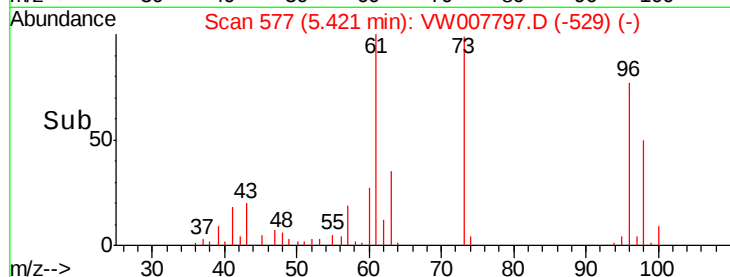
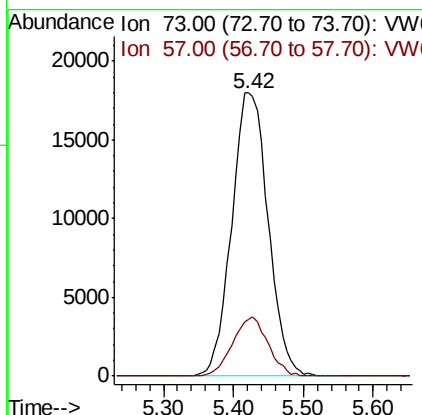
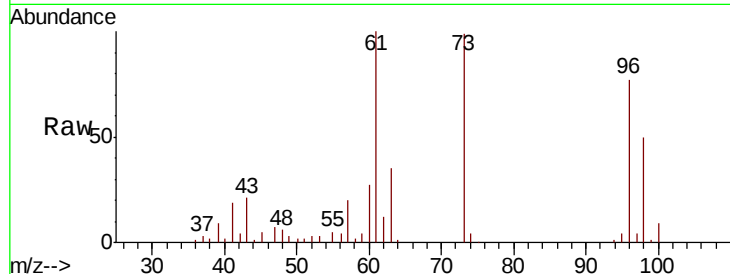




#19
Methvl tert-butvl Ether
Concen: 56.205 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

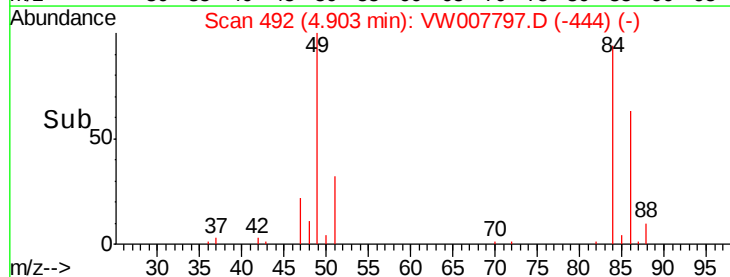
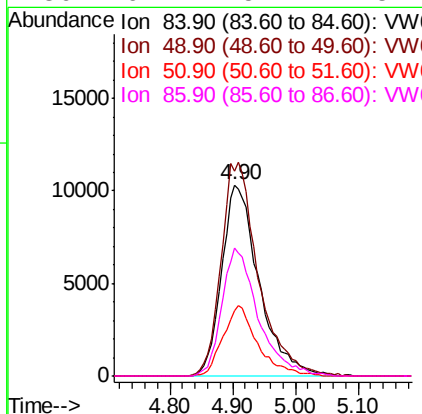
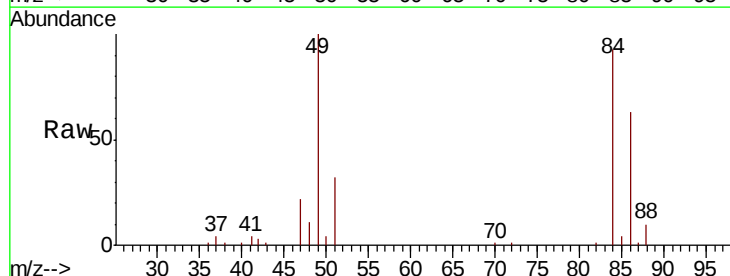
Instrument :
MSVOA_W
ClientSampleId :

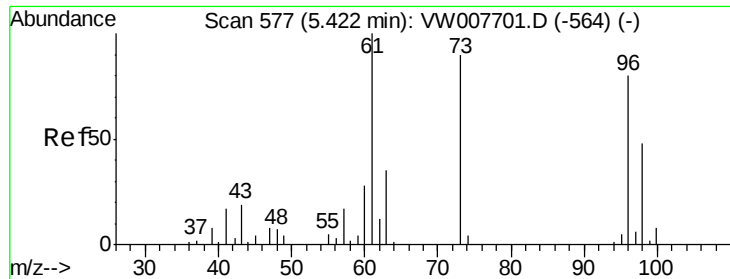
Tot Ion: 73 Resp: 64941
Ion Ratio Lower Upper
73 100
57 19.9 14.7 22.1



#20
Methylene Chloride
Concen: 50.908 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 84 Resp: 42529
Ion Ratio Lower Upper
84 100
49 107.2 83.7 125.5
51 33.9 28.2 42.2
86 67.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 52.326 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampled :

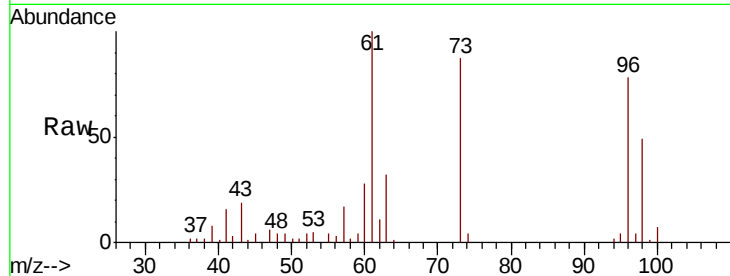
Tot Ion: 96 Resp: 46317

Ion Ratio Lower Upper

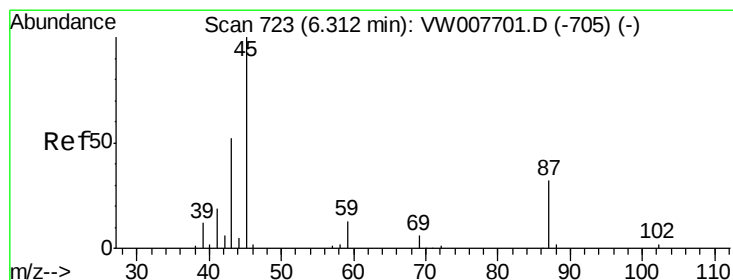
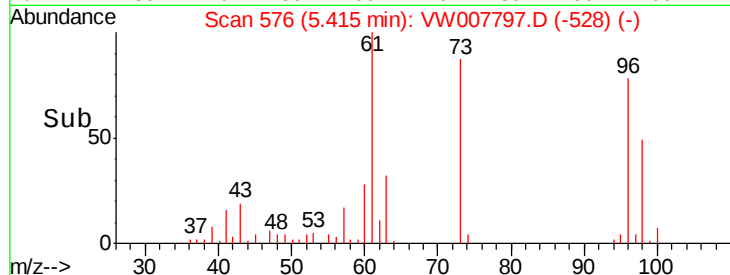
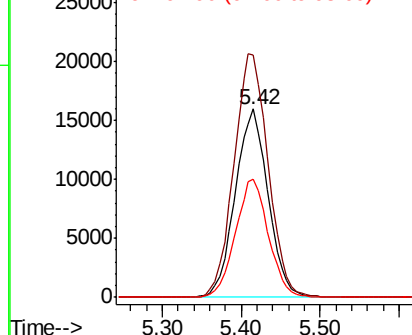
96 100

61 128.8 100.1 150.1

98 62.8 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: 56.815 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Tgt Ion: 45 Resp: 112280

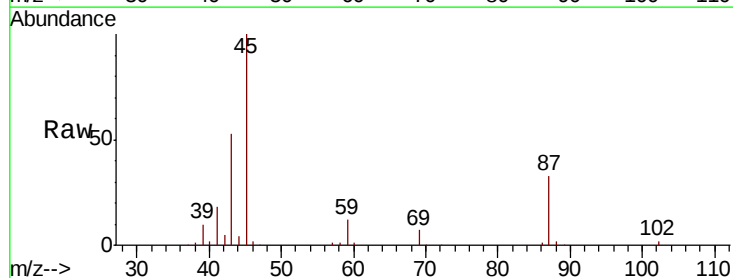
Ion Ratio Lower Upper

45 100

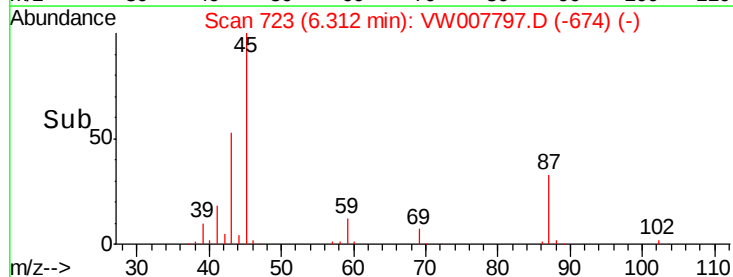
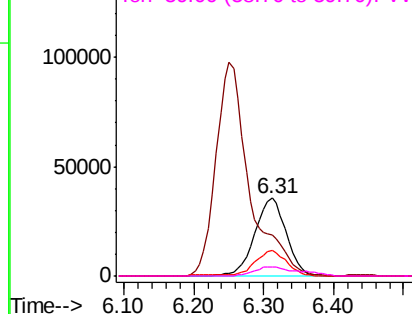
43 52.1 43.7 65.5

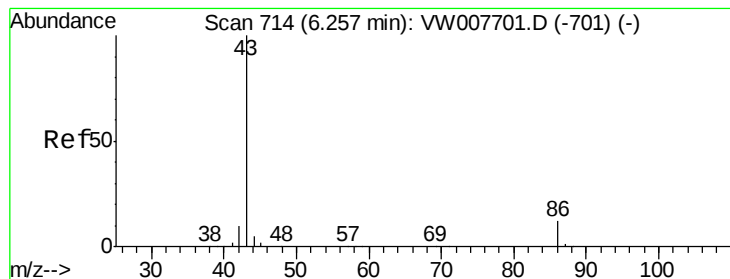
87 32.8 26.6 40.0

59 11.7 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: 277.634 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

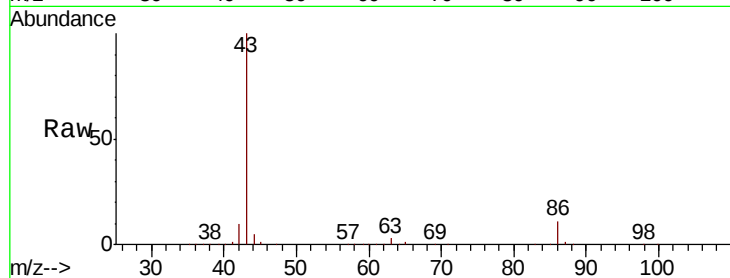
ClientSampled :

Tot Ion: 43 Resp: 325981

Ion Ratio Lower Upper

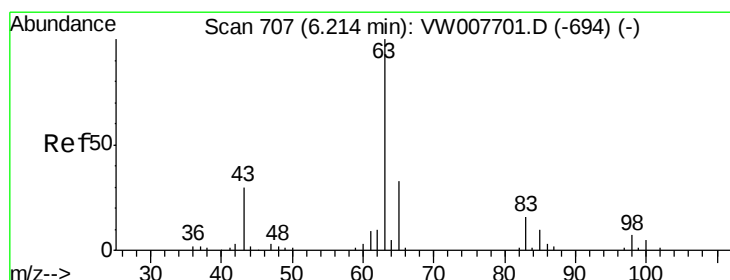
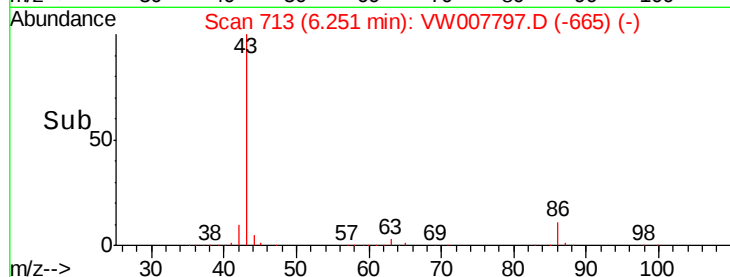
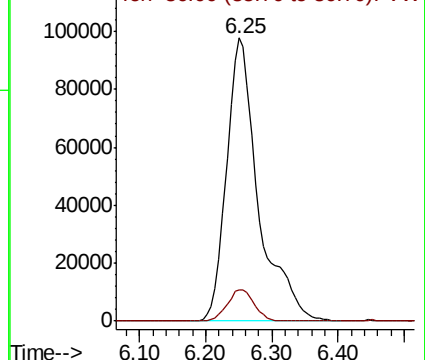
43 100

86 11.2 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: 53.052 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

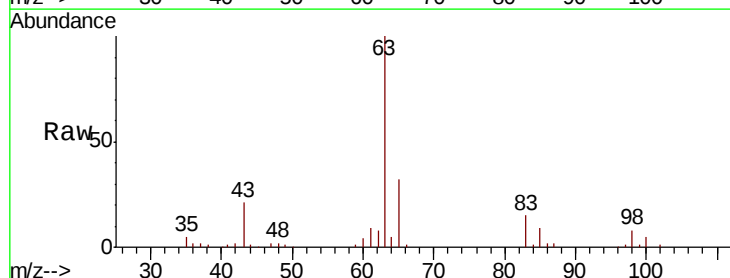
Tgt Ion: 63 Resp: 77129

Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.9

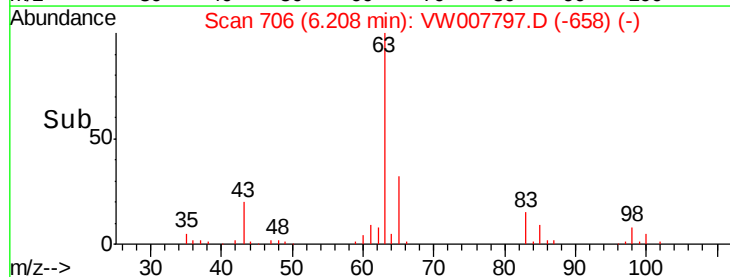
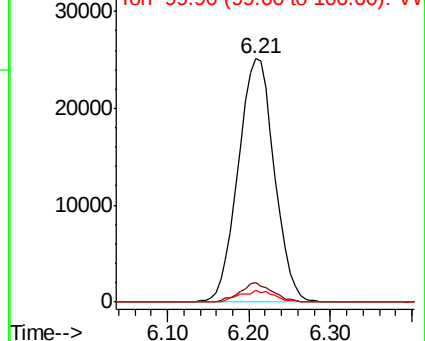
100 4.8 2.5 7.5

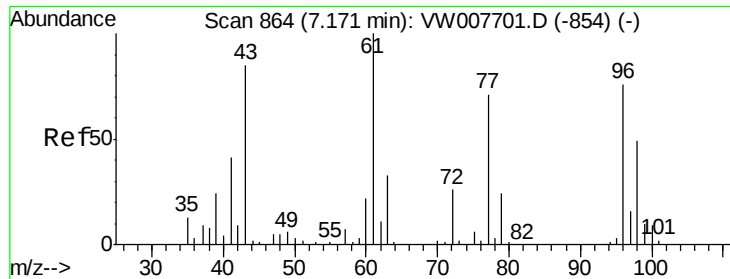


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

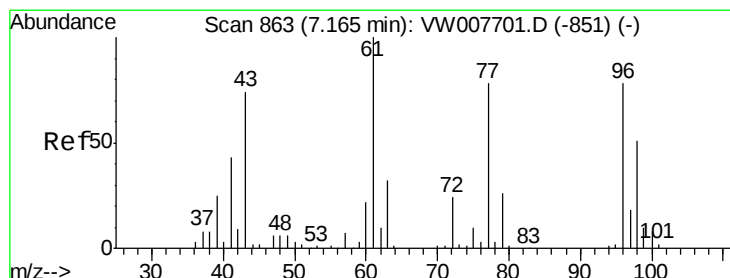
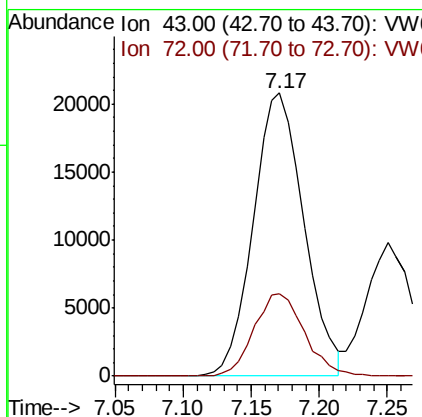
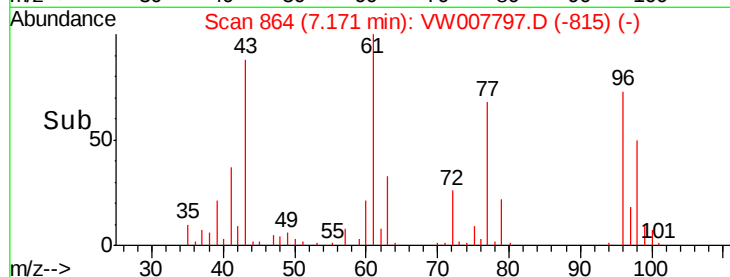
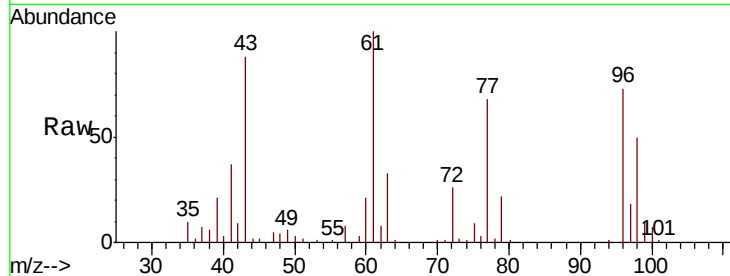




#25
 2-Butanone
 Concen: 276.142 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

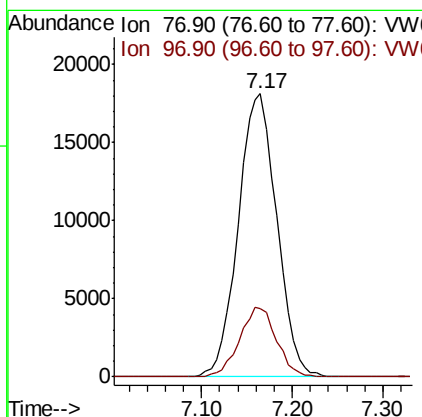
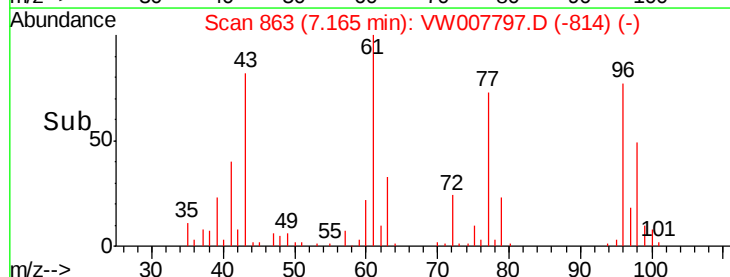
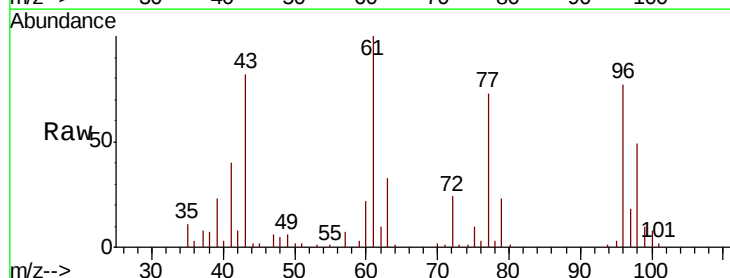
Instrument :
 MSVOA_W
 ClientSampleID :

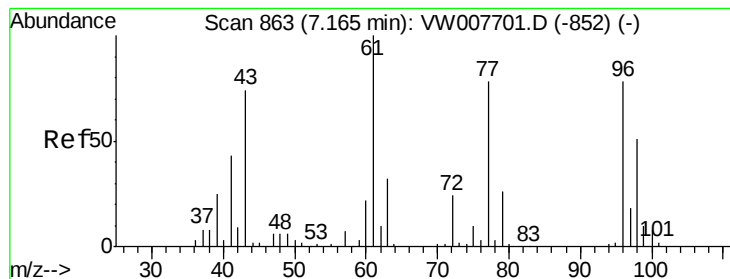
Tot Ion: 43 Resp: 54153
 Ion Ratio Lower Upper
 43 100
 72 29.2 24.5 36.7



#26
 2,2-Dichloropropane
 Concen: 50.011 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion: 77 Resp: 53205
 Ion Ratio Lower Upper
 77 100
 97 23.5 11.3 33.9



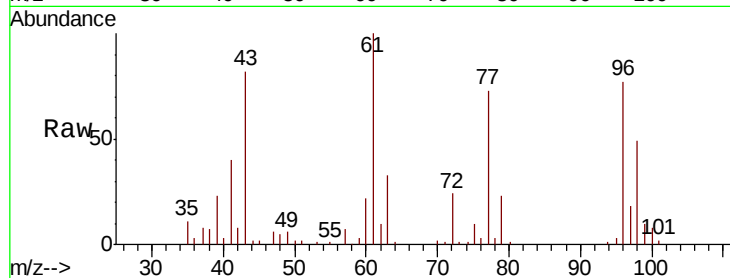


#27

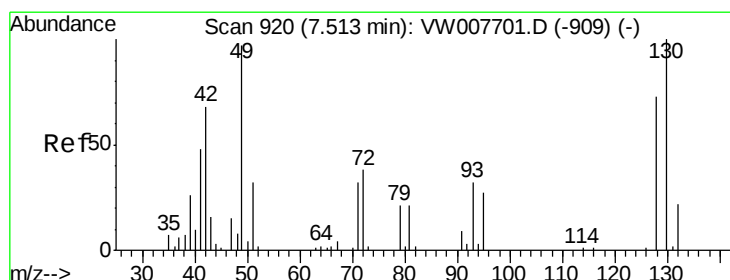
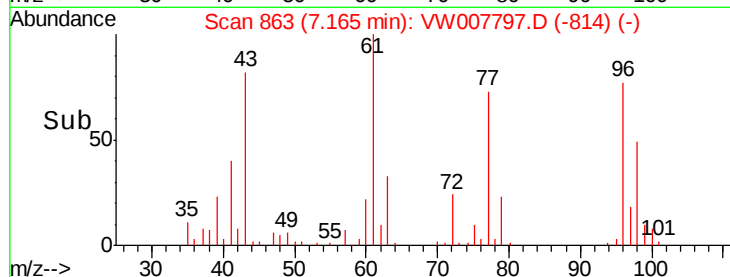
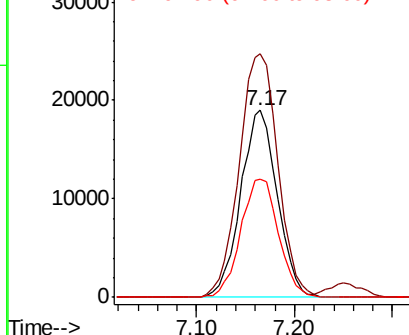
cis-1,2-Dichloroethene
Concen: 52.133 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 49164
Ion Ratio Lower Upper
96 100
61 137.9 0.0 271.6
98 65.1 0.0 131.2



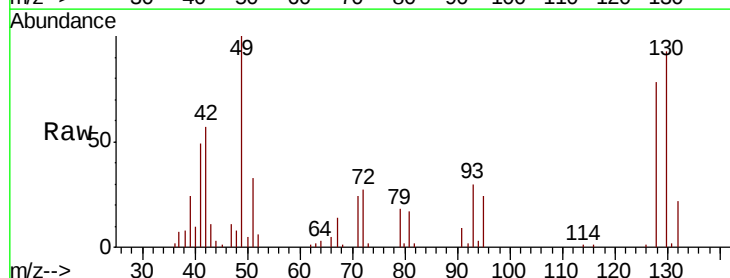
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



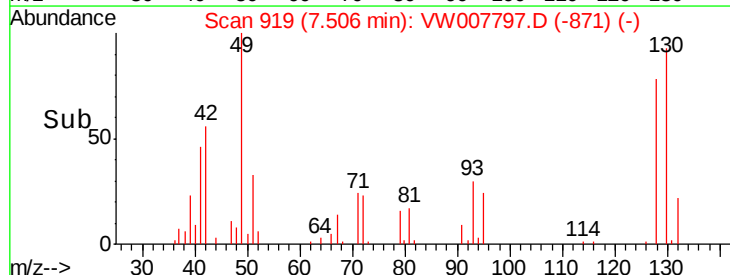
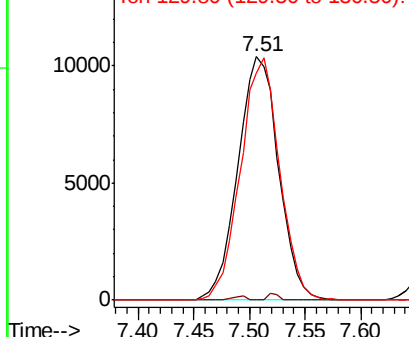
#28

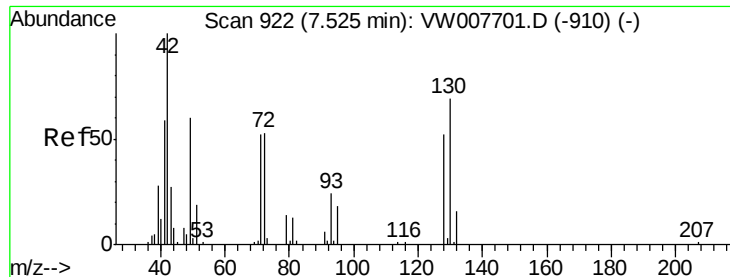
Bromochloromethane
Concen: 53.279 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 49 Resp: 26410
Ion Ratio Lower Upper
49 100
129 0.7 0.0 2.2
130 95.7 81.5 122.3



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

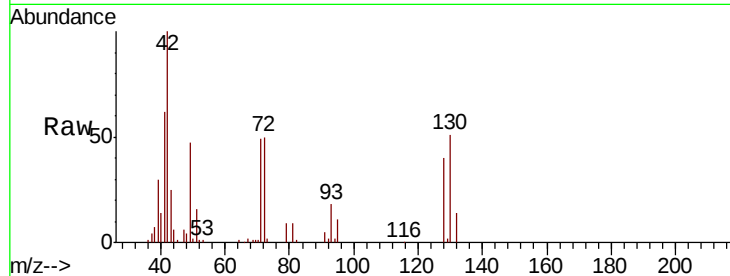




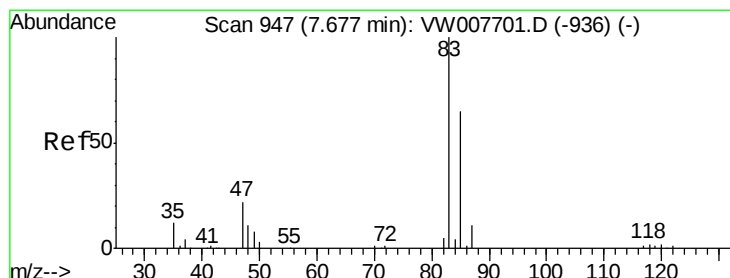
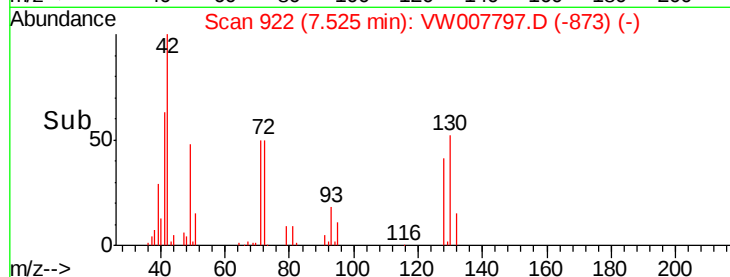
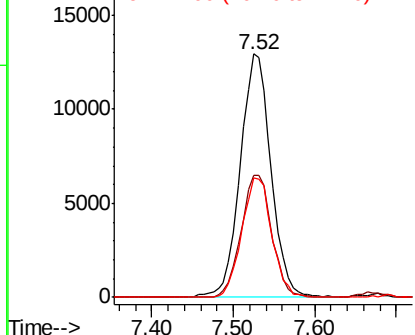
#29
Tetrahydrofuran
Concen: 289.509 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 33865
Ion Ratio Lower Upper
42 100
72 49.8 41.7 62.5
71 47.7 39.0 58.6

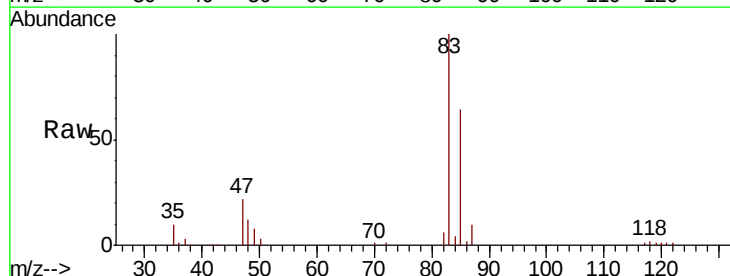


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

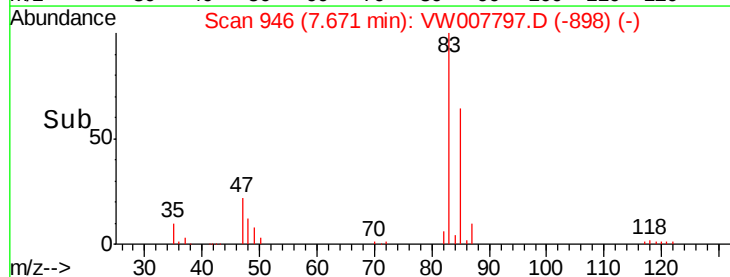
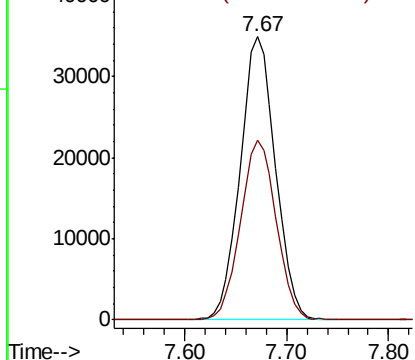


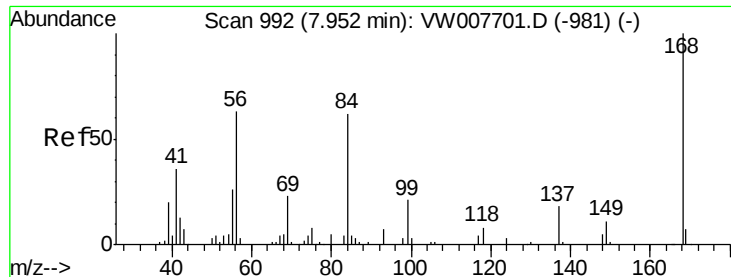
#30
Chloroform
Concen: 50.997 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 83 Resp: 83905
Ion Ratio Lower Upper
83 100
85 63.7 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

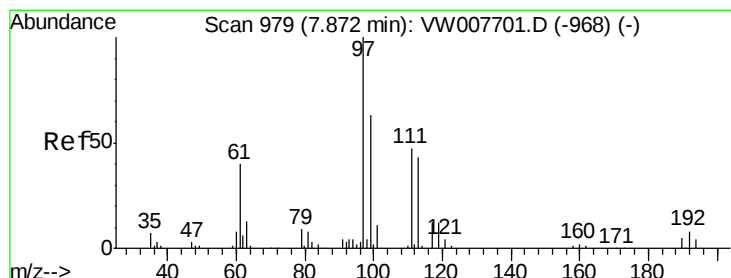
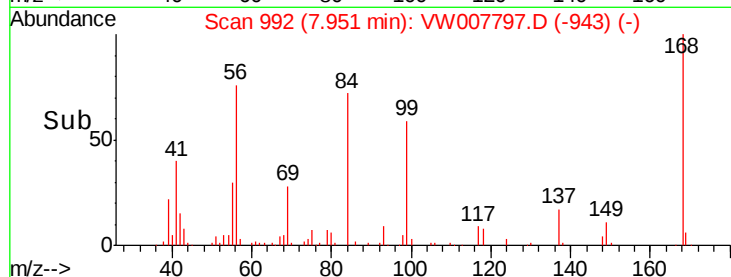
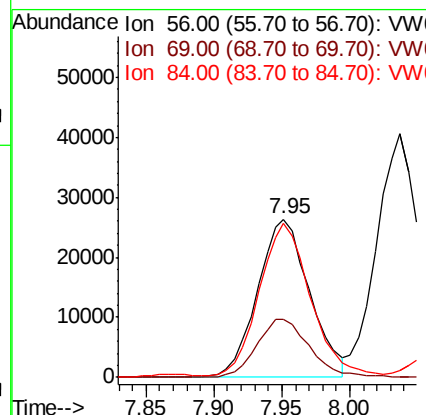
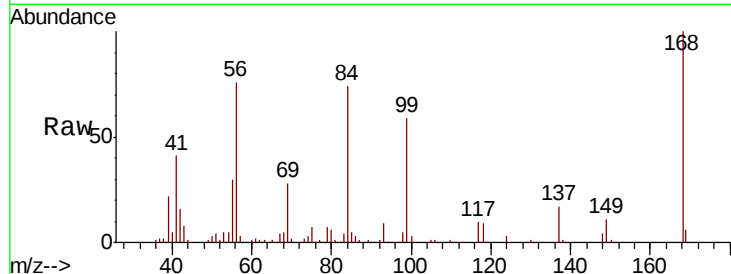




#31
Cyclohexane
Concen: 52.838 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

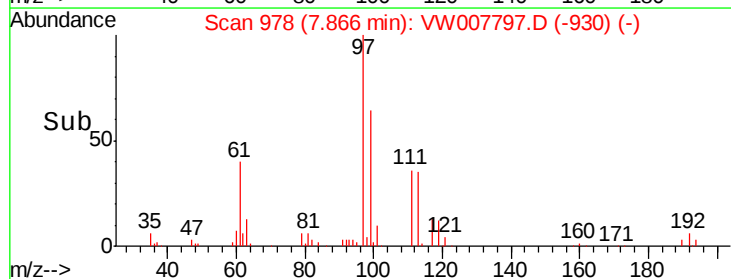
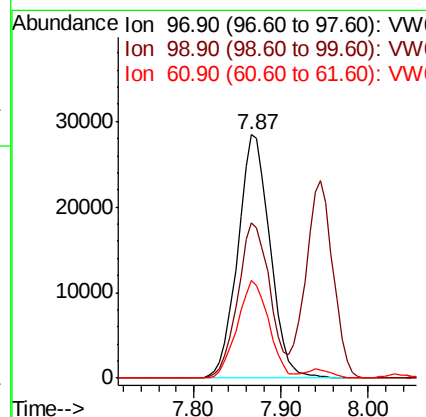
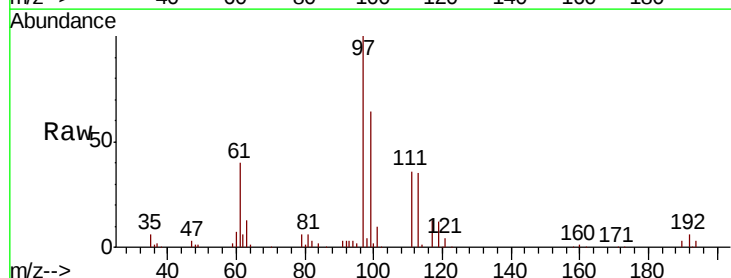
Instrument :
MSVOA_W
ClientSampled :

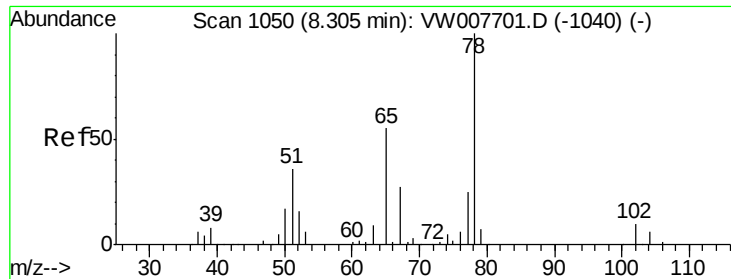
Tot Ion: 56 Resp: 70325
Ion Ratio Lower Upper
56 100
69 36.9 29.7 44.5
84 96.3 78.9 118.3



#32
1,1,1-Trichloroethane
Concen: 48.555 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 97 Resp: 72757
Ion Ratio Lower Upper
97 100
99 64.1 50.6 76.0
61 39.4 32.3 48.5

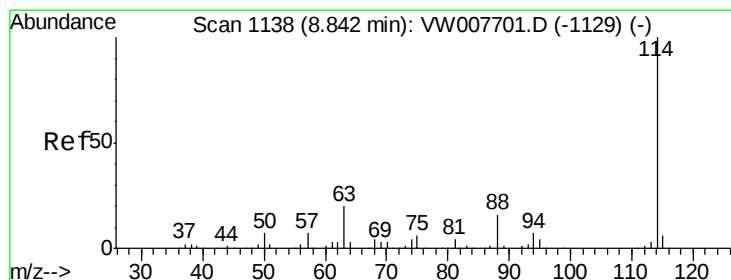
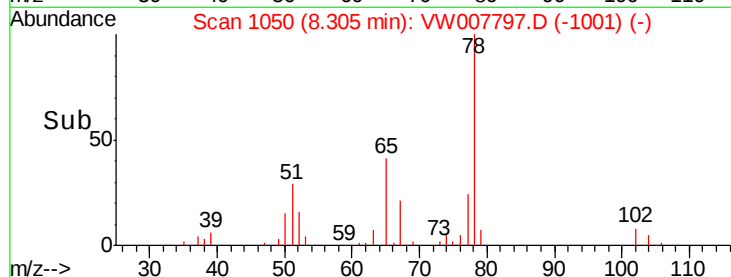
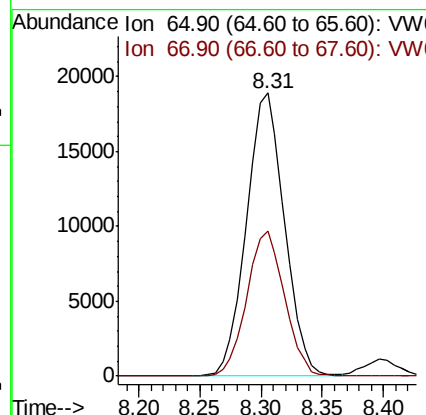
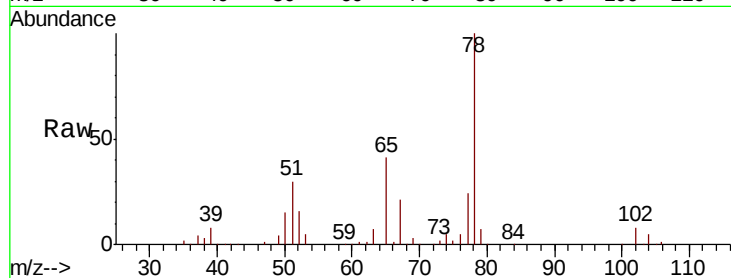




#33
 1,2-Dichloroethane-d4
 Concen: 45.811 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

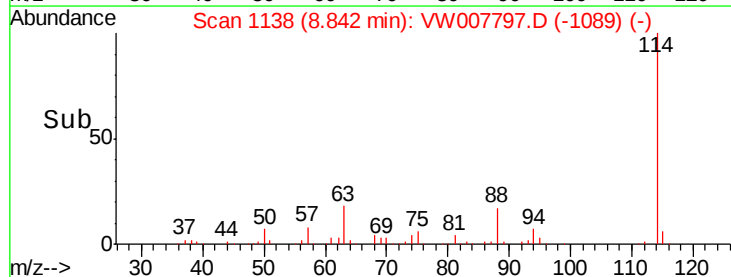
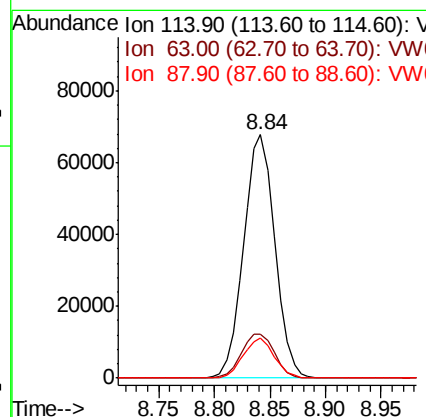
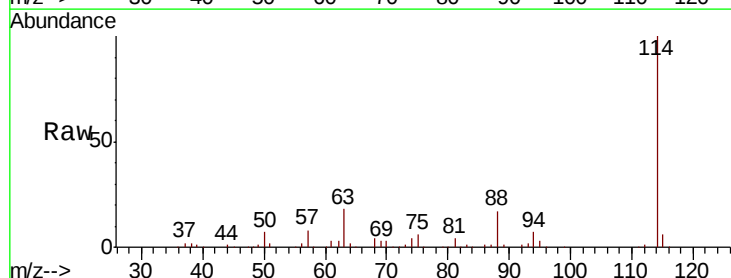
Instrument :
 MSVOA_W
 ClientSampleId :

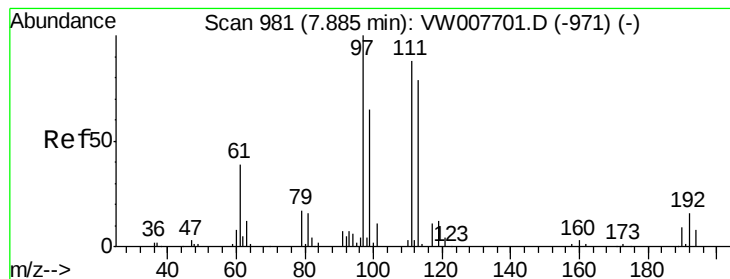
Tot Ion: 65 Resp: 40959
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion: 114 Resp: 131826
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 40.0
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.698 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

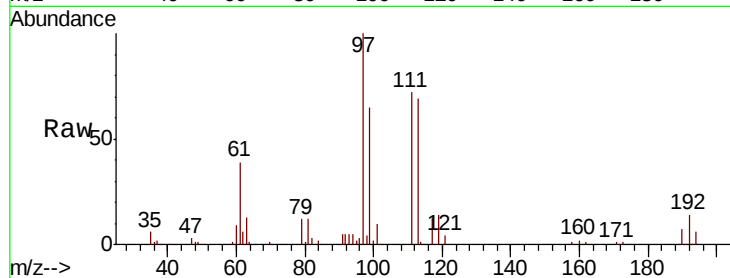
Tot Ion:113 Resp: 38359

Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

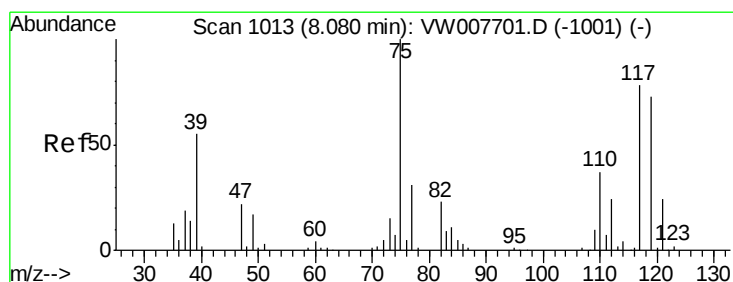
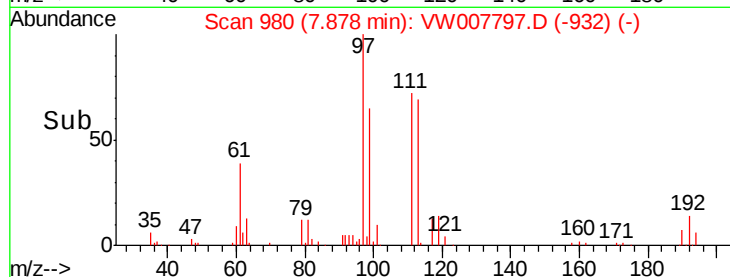
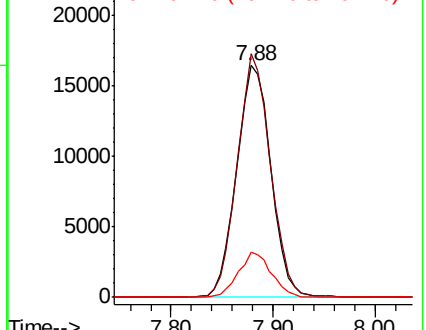
192 18.5 15.5 23.3



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: 52.690 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

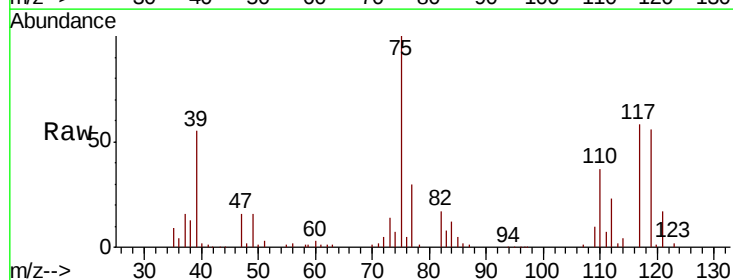
Tgt Ion: 75 Resp: 67041

Ion Ratio Lower Upper

75 100

110 36.6 18.6 55.8

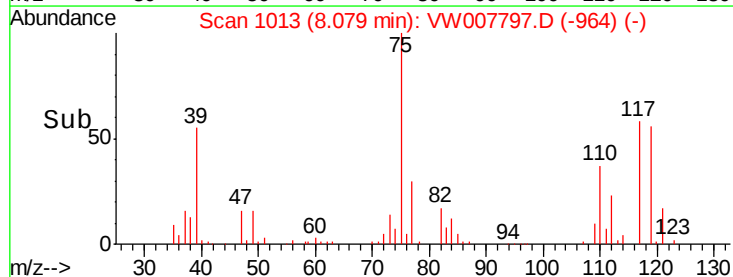
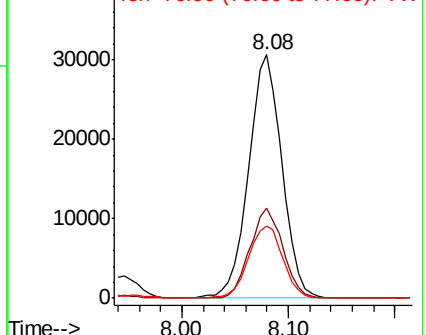
77 30.9 25.0 37.4

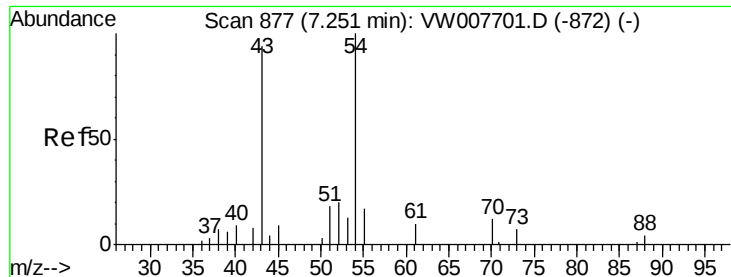


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

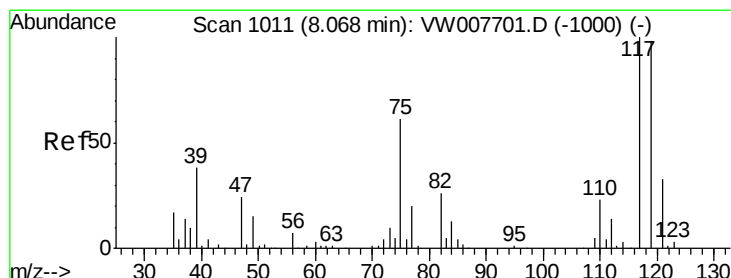
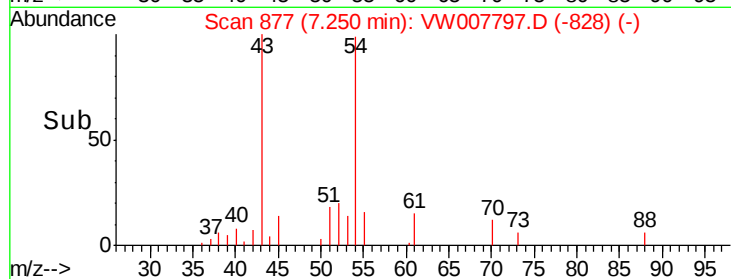
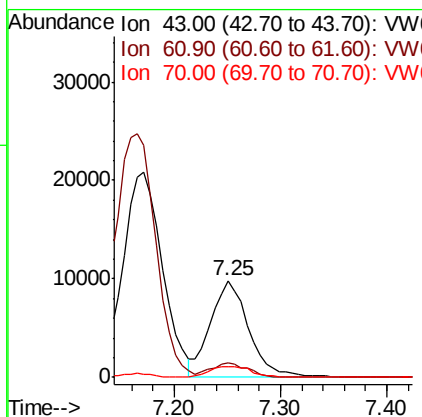
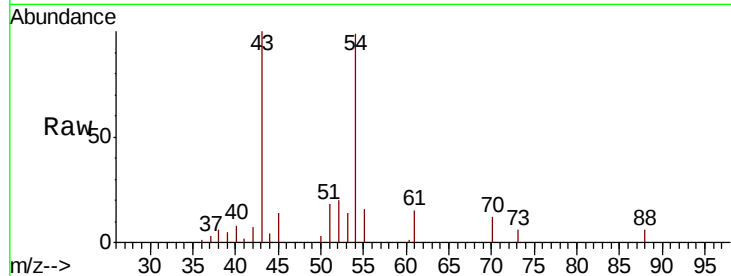




#37
Ethyl Acetate
Concen: 56.054 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

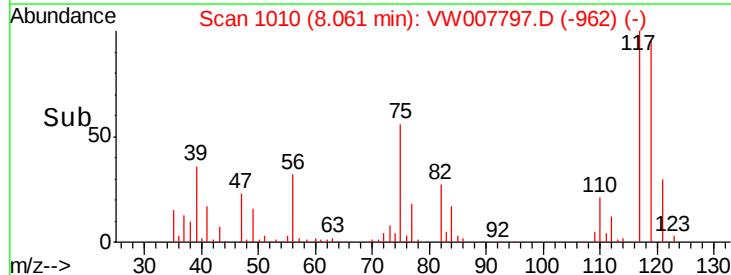
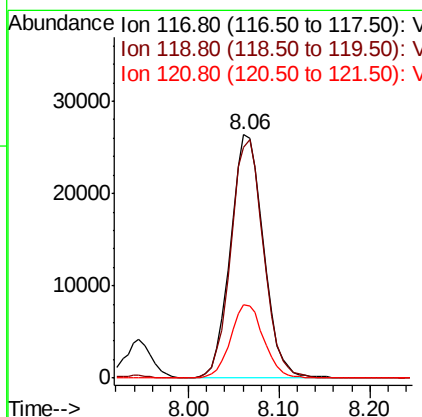
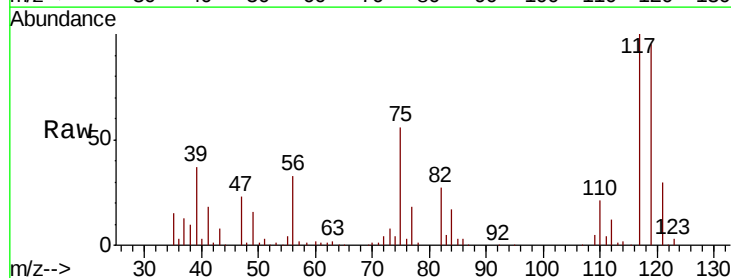
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 24614
Ion Ratio Lower Upper
43 100
61 14.5 11.2 16.8
70 12.0 9.3 13.9



#38
Carbon Tetrachloride
Concen: 44.810 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 117 Resp: 67145
Ion Ratio Lower Upper
117 100
119 94.9 78.2 117.2
121 30.2 26.1 39.1

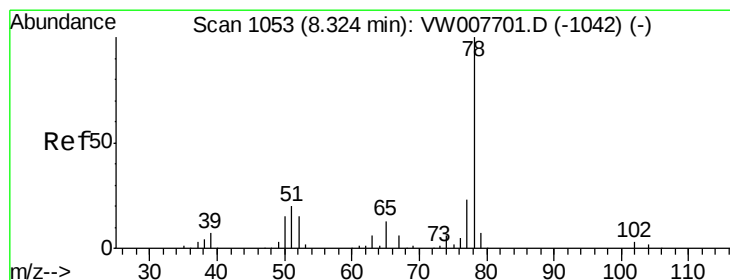
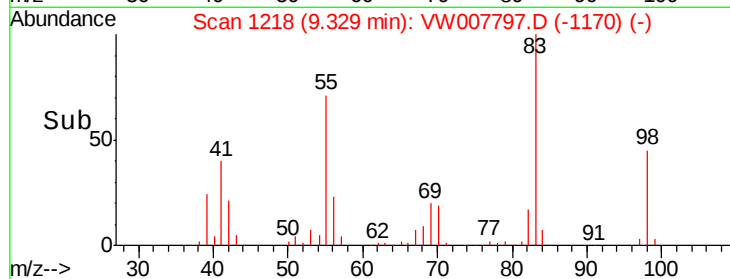
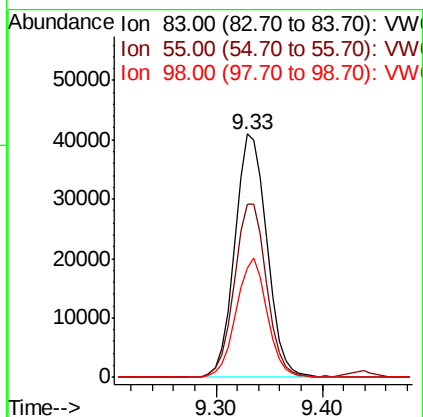
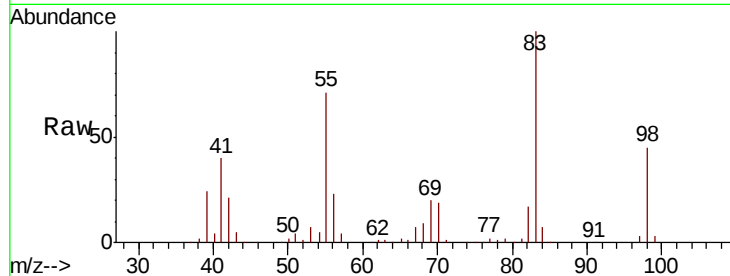




#39
Methvlcvclohexane
Concen: 54.977 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

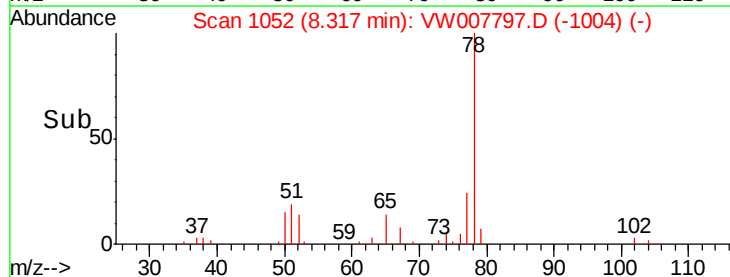
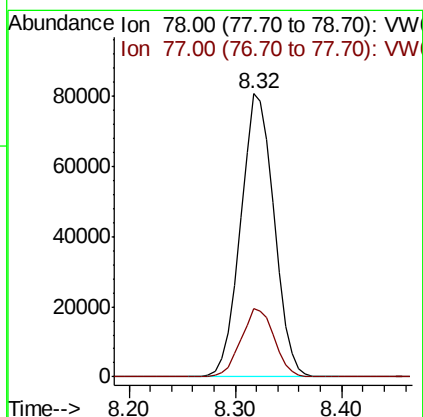
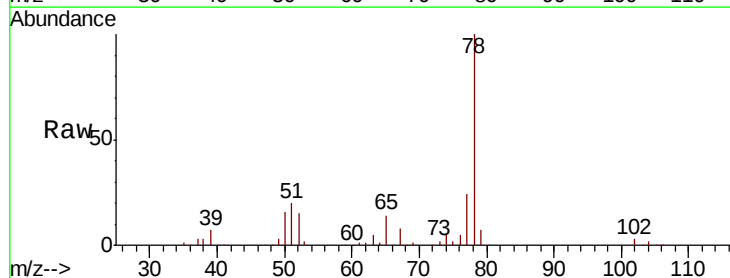
Instrument :
MSVOA_W
ClientSampled :

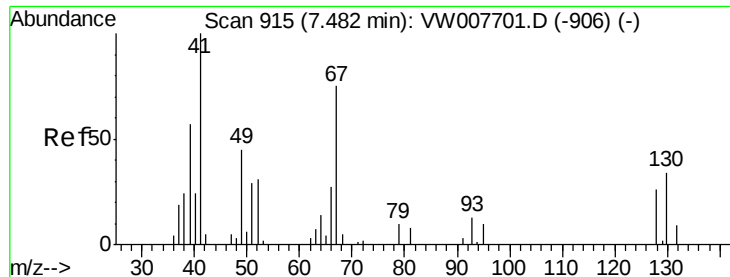
Tot Ion: 83 Resp: 86921
Ion Ratio Lower Upper
83 100
55 71.1 57.2 85.8
98 44.9 38.6 58.0



#40
Benzene
Concen: 52.482 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 78 Resp: 178192
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1

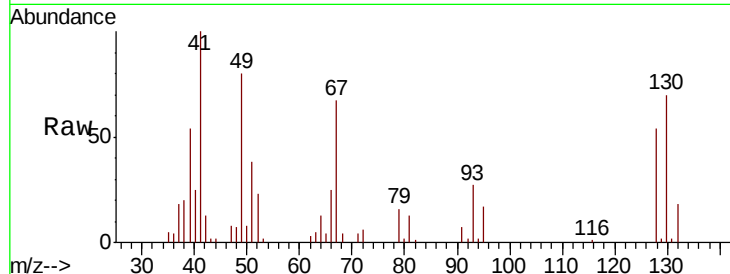




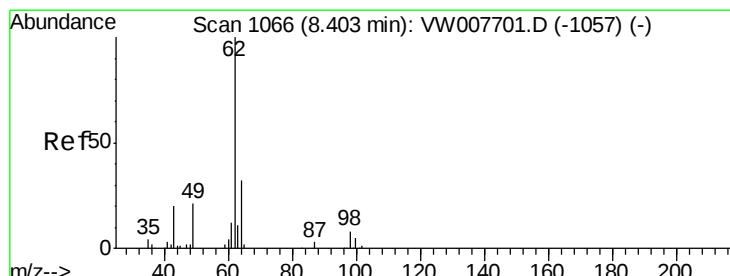
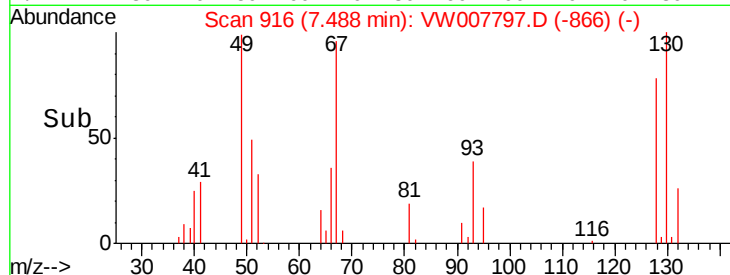
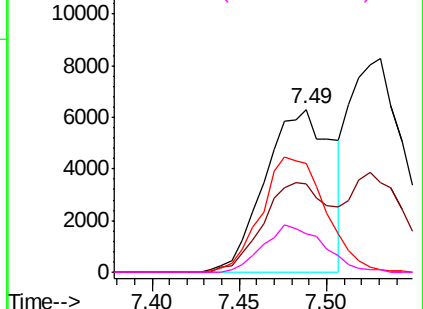
#41
Methacrylonitrile
Concen: 67.576 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 16847
Ion Ratio Lower Upper
41 100
39 55.1 54.2 81.4
67 67.8 65.7 98.5
52 26.3 26.2 39.4

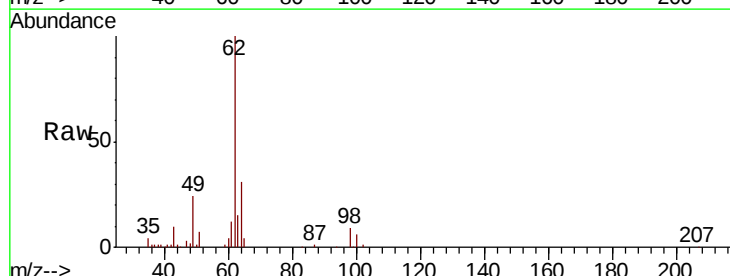


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

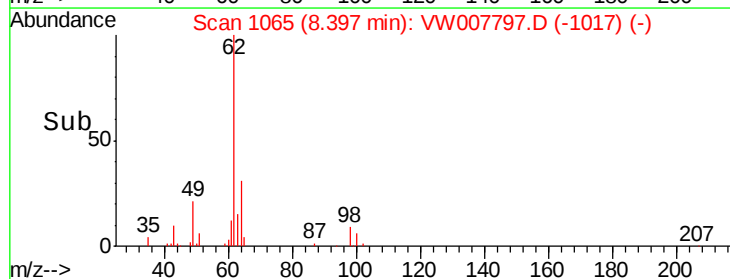
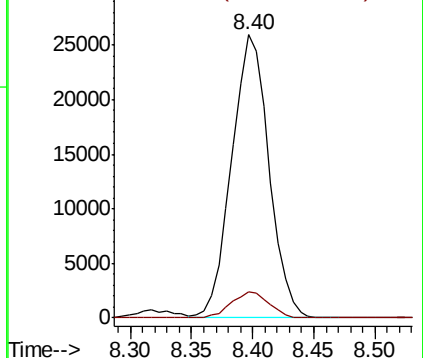


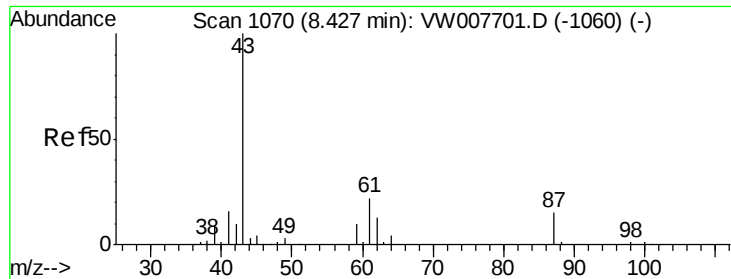
#42
1,2-Dichloroethane
Concen: 48.261 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 62 Resp: 54912
Ion Ratio Lower Upper
62 100
98 9.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 54.520 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

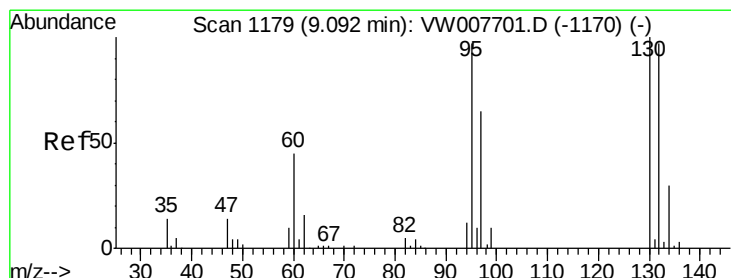
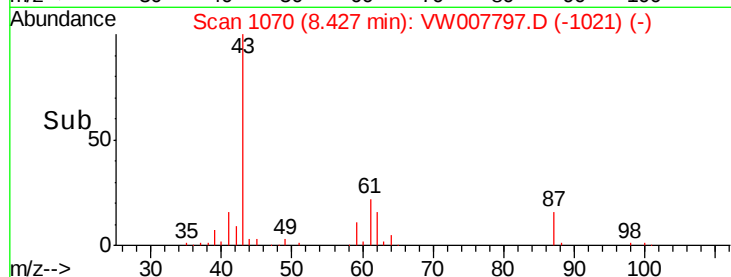
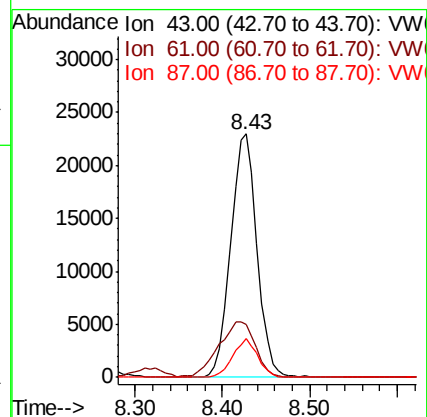
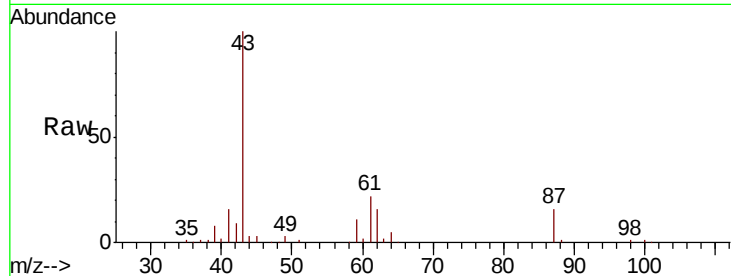
Tot Ion: 43 Resp: 47963

Ion Ratio Lower Upper

43 100

61 31.8 26.3 39.5

87 15.0 12.0 18.0



#44

Trichloroethene

Concen: 50.948 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007797.D

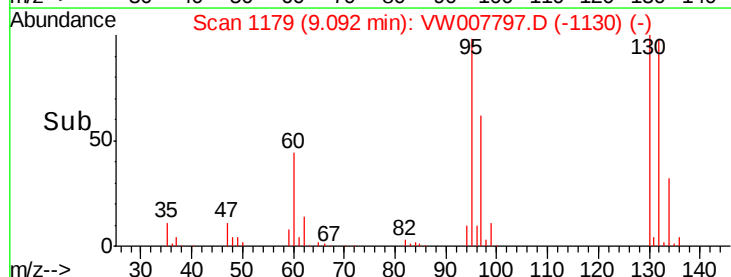
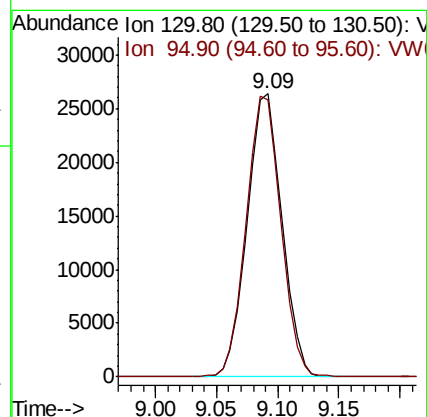
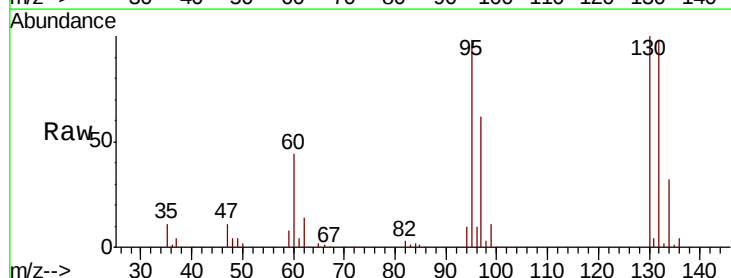
Acq: 21 Dec 2018 16:01

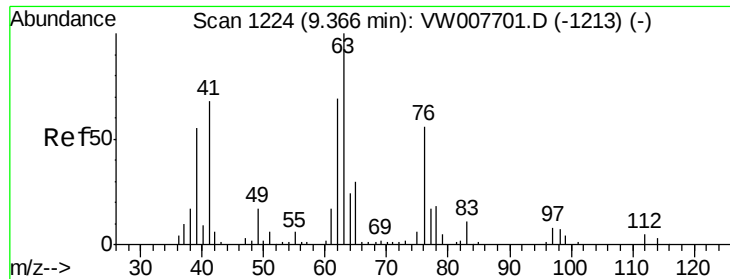
Tgt Ion: 130 Resp: 52312

Ion Ratio Lower Upper

130 100

95 97.9 0.0 194.8

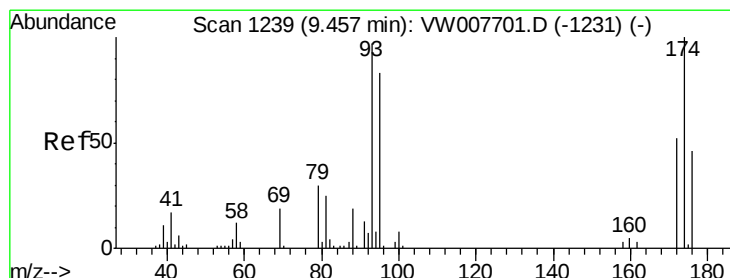
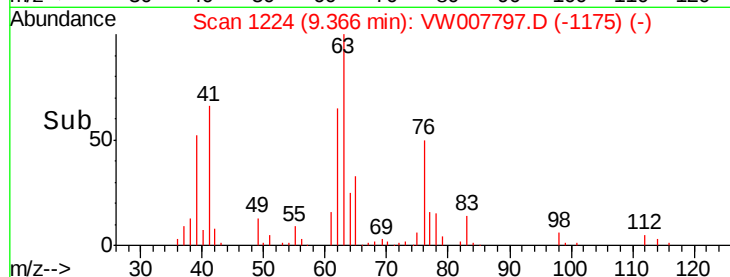
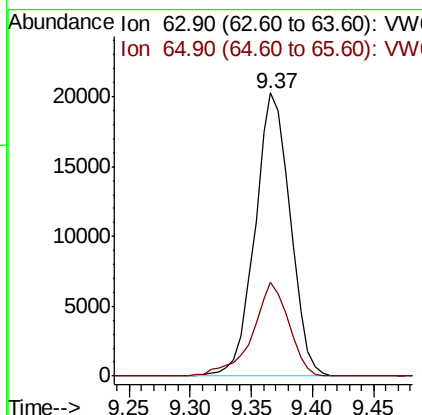
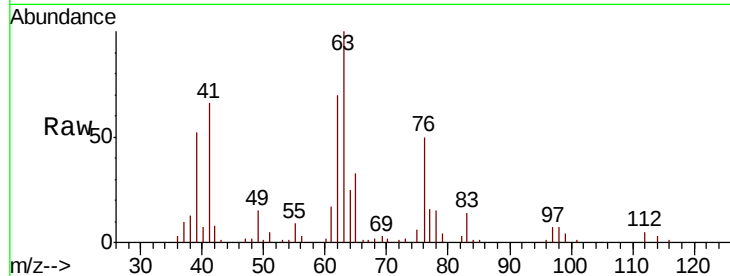




#45
 1,2-Dichloropropane
 Concen: 54.066 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

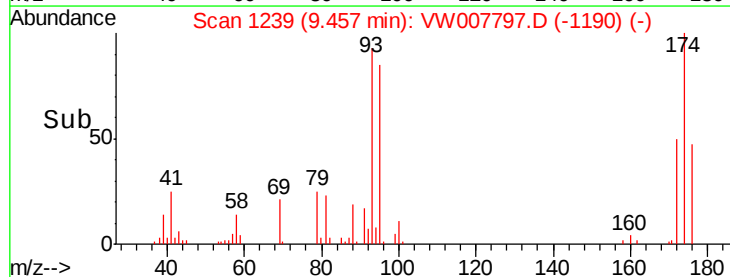
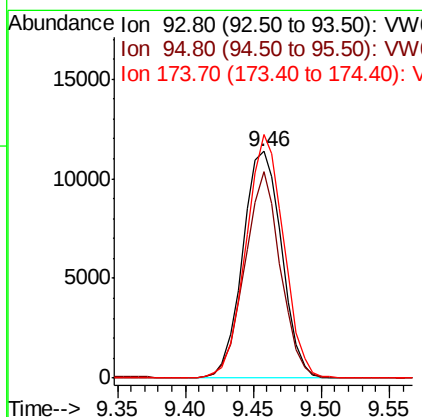
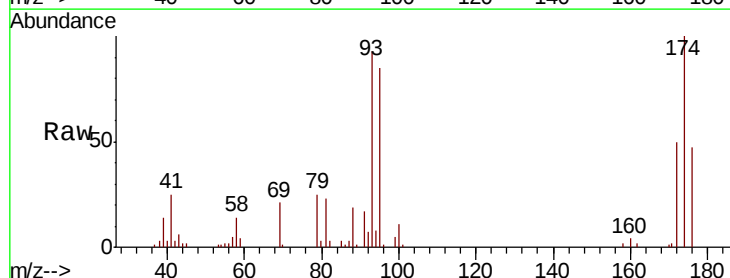
Instrument :
 MSVOA_W
 ClientSampled :

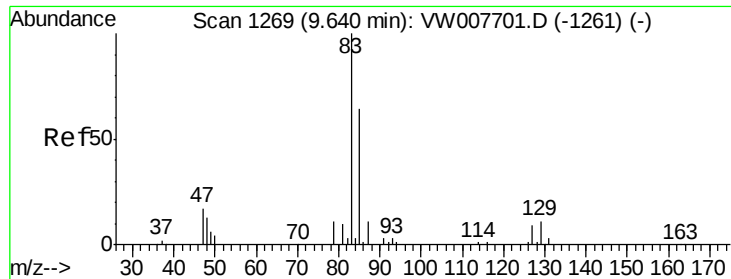
Tot Ion: 63 Resp: 40732
 Ion Ratio Lower Upper
 63 100
 65 33.4 23.8 35.8



#46
 Dibromomethane
 Concen: 49.313 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion: 93 Resp: 22869
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.5 101.3
 174 103.7 83.9 125.9

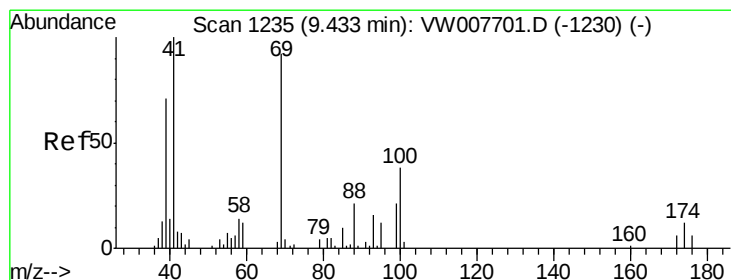
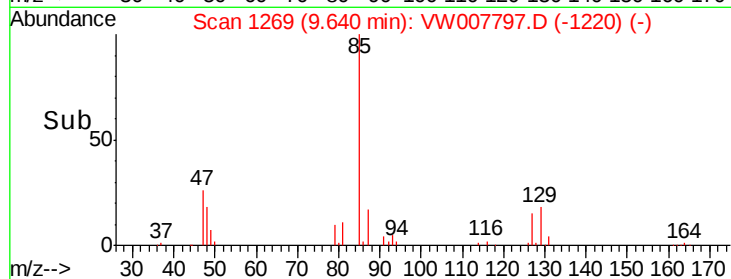
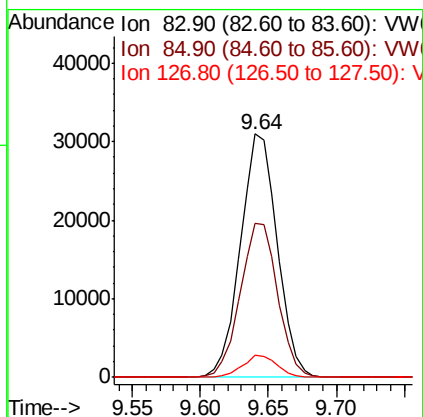
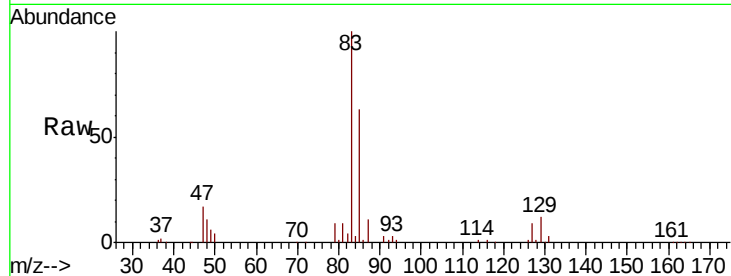




#47
Bromodichloromethane
Concen: 47.932 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

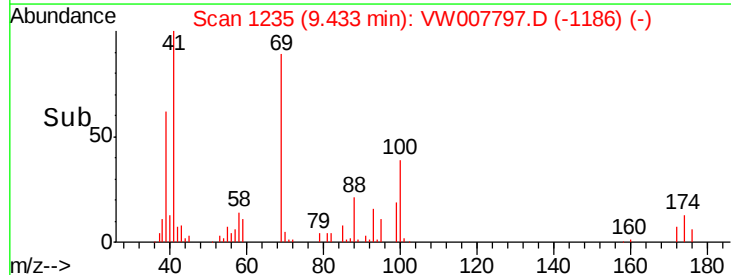
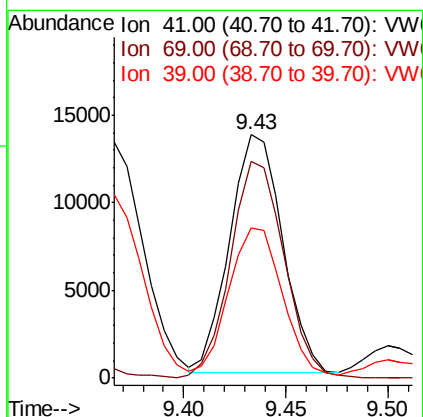
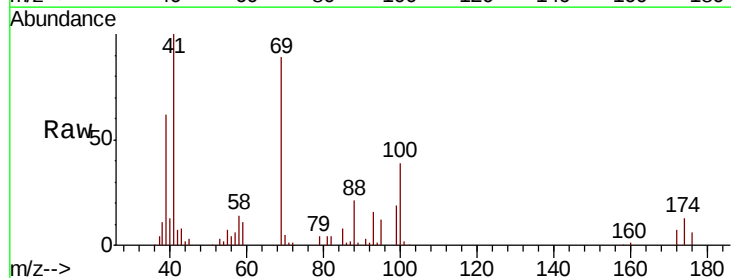
Instrument :
MSVOA_W
ClientSampleId :

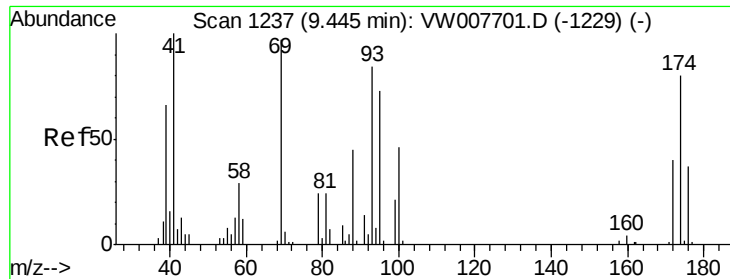
Tot Ion	83	Resp	58438
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.4	77.0
127	9.3	7.5	11.3



#48
Methyl methacrylate
Concen: 55.606 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion	41	Resp	24418
Ion Ratio	Lower	Upper	
41	100		
69	92.8	74.2	111.2
39	65.5	53.9	80.9

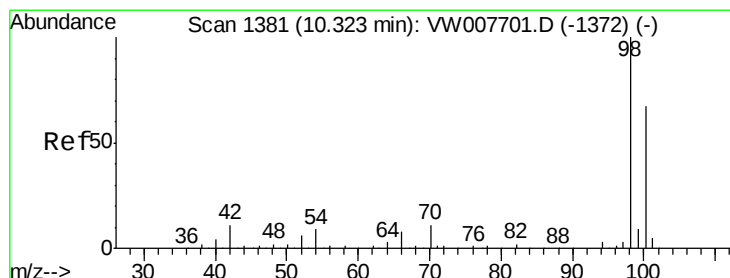
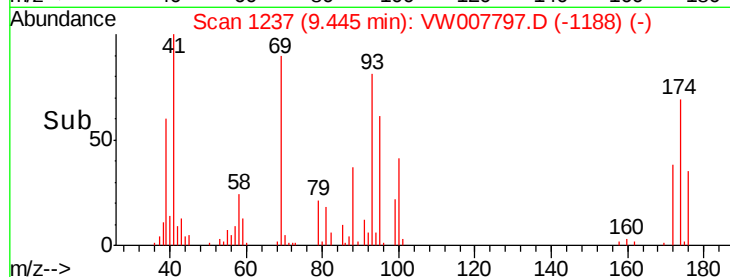
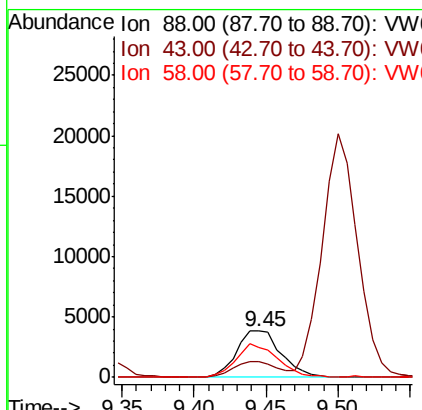
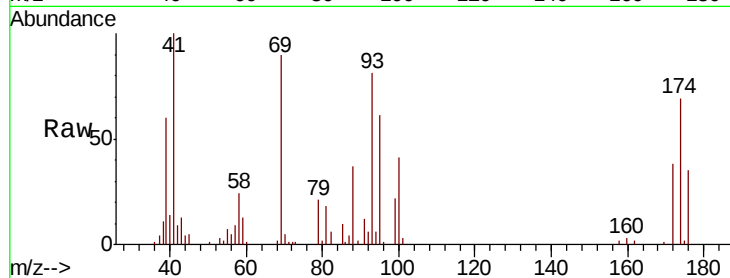




#49
 1,4-Dioxane
 Concen: 1119.729 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

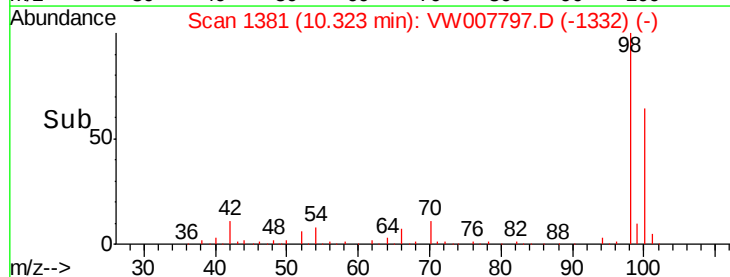
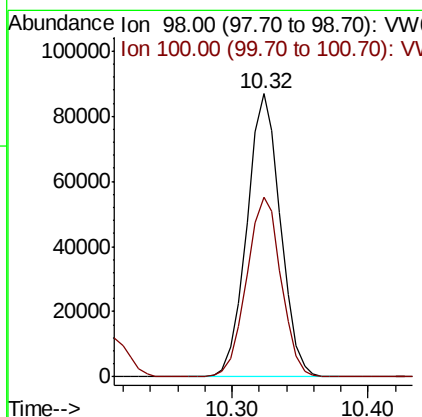
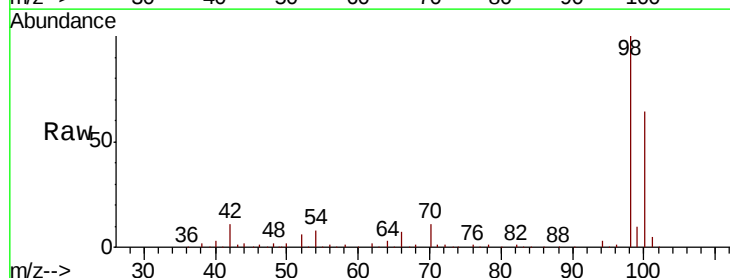
Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 88 Resp: 8233
 Ion Ratio Lower Upper
 88 100
 43 32.1 25.6 38.4
 58 68.8 52.3 78.5



#50
 Toluene-d8
 Concen: 49.434 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion: 98 Resp: 149872
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 274.678 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

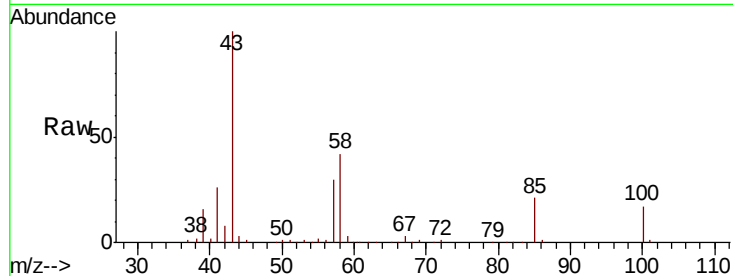
ClientSampleId :

Tot Ion: 43 Resp: 114200

Ion Ratio Lower Upper

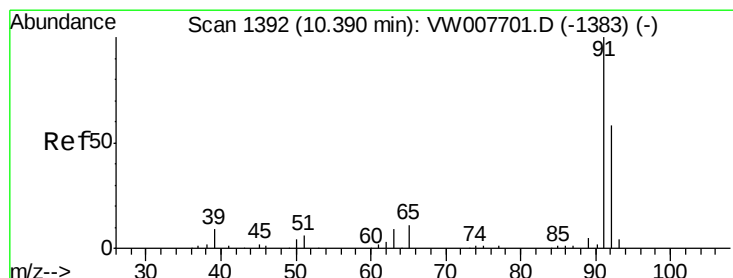
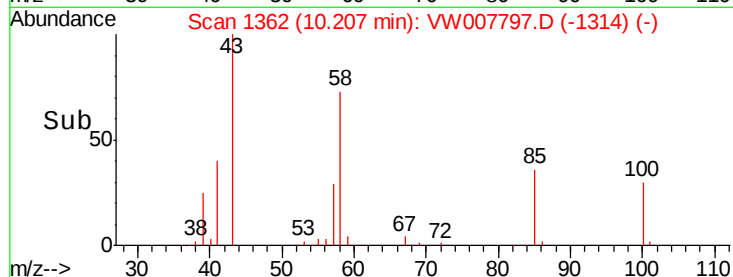
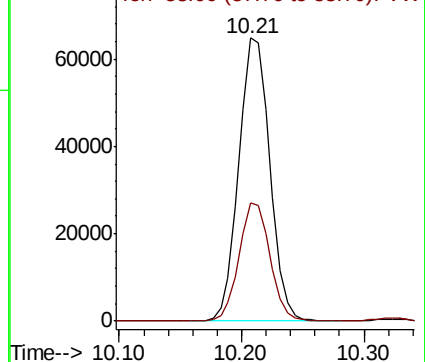
43 100

58 41.6 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: 54.271 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007797.D

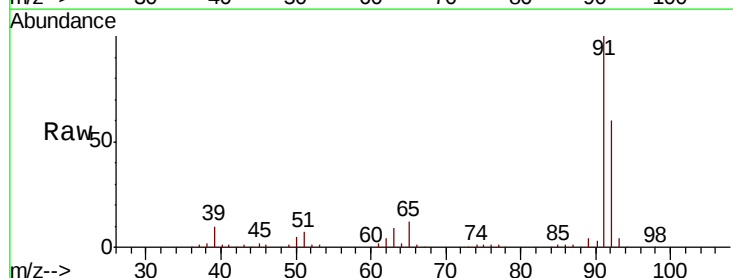
Acq: 21 Dec 2018 16:01

Tgt Ion: 92 Resp: 123630

Ion Ratio Lower Upper

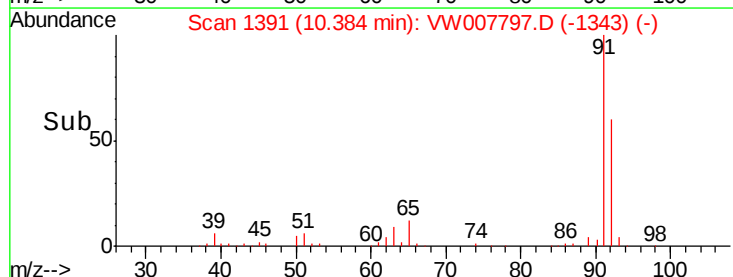
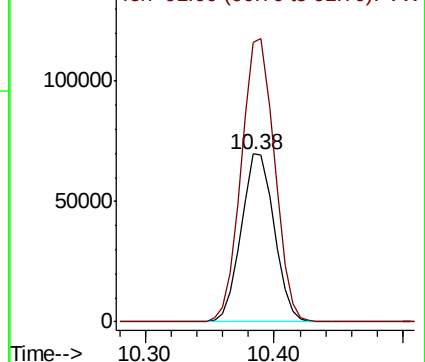
92 100

91 170.0 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

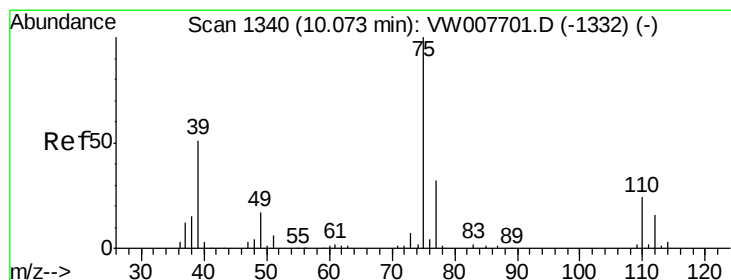
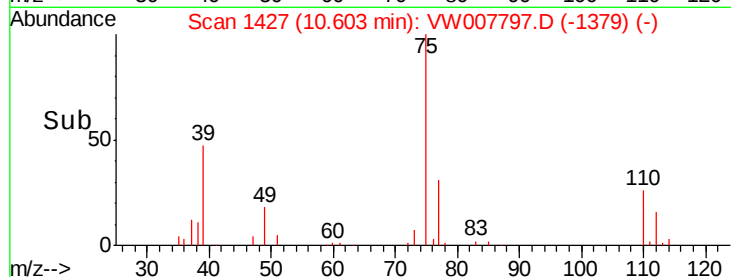
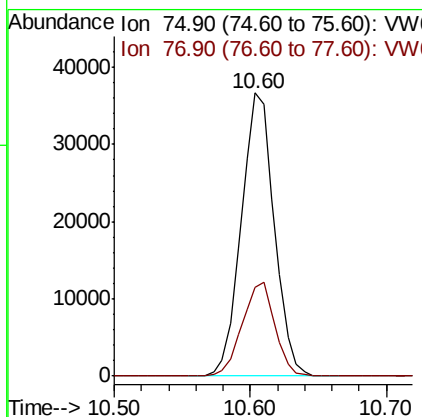
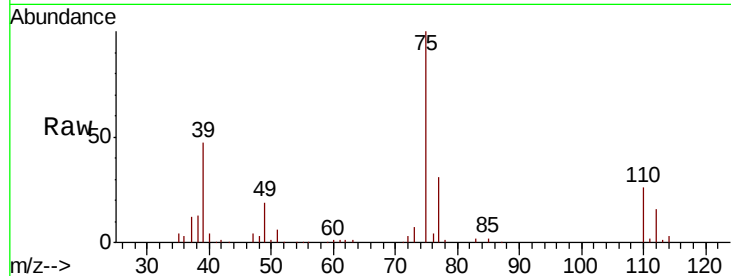




#53
 t-1,3-Dichloropropene
 Concen: 51.126 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

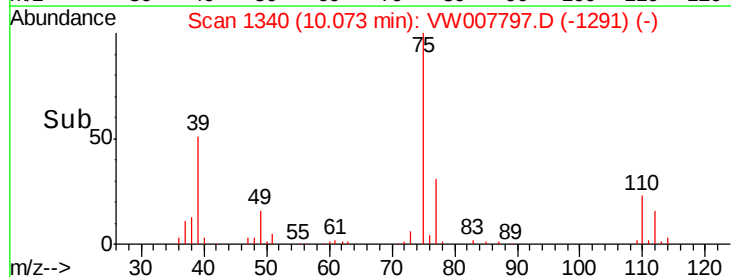
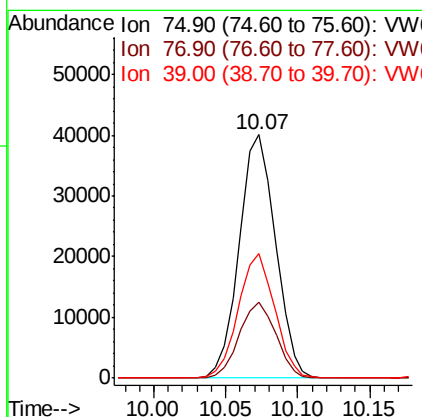
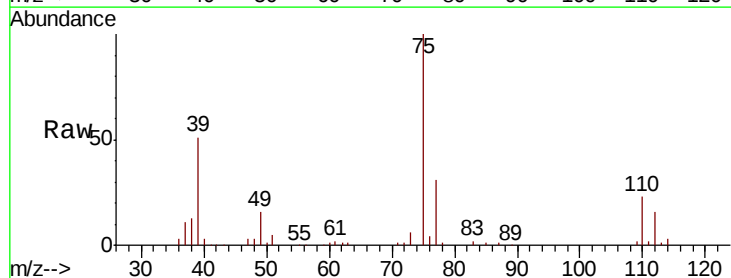
Instrument :
 MSVOA_W
 ClientSampled :

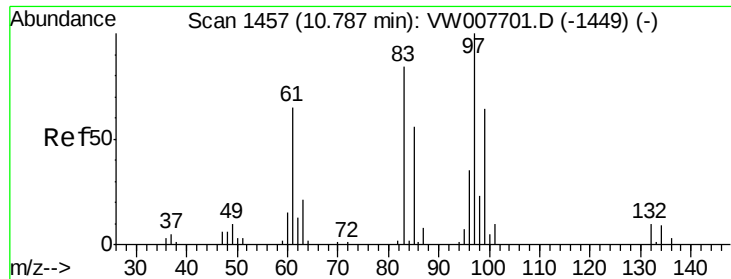
Tot Ion: 75 Resp: 61999
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.392 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion: 75 Resp: 70179
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.5 38.3
 39 51.4 41.2 61.8

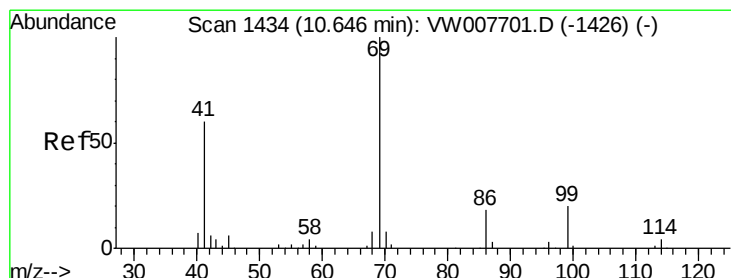
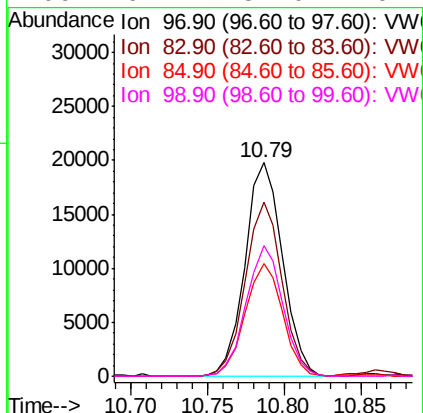
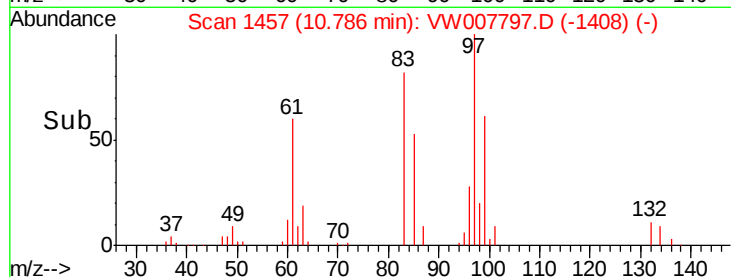
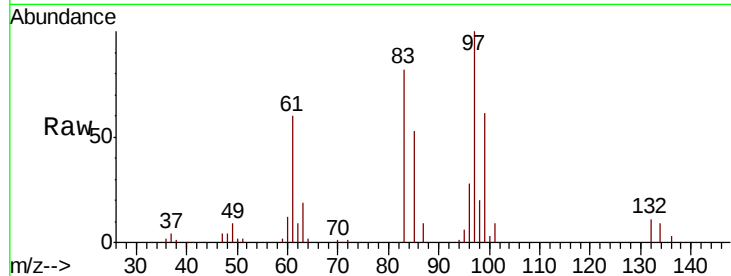




#55
 1,1,2-Trichloroethane
 Concen: 52.804 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

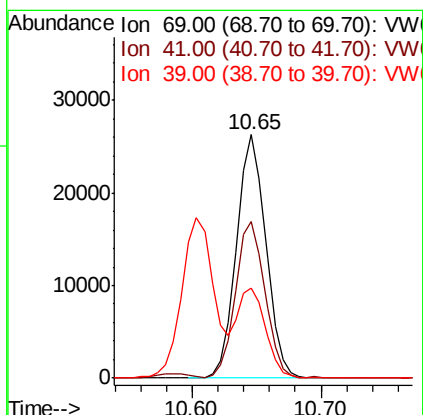
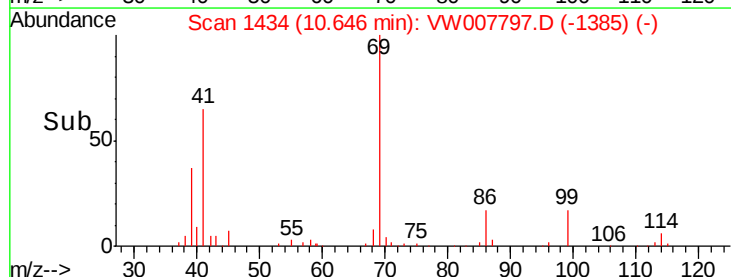
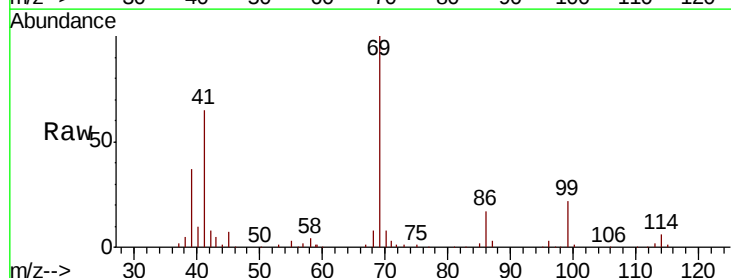
Instrument :
 MSVOA_W
 ClientSampleId :

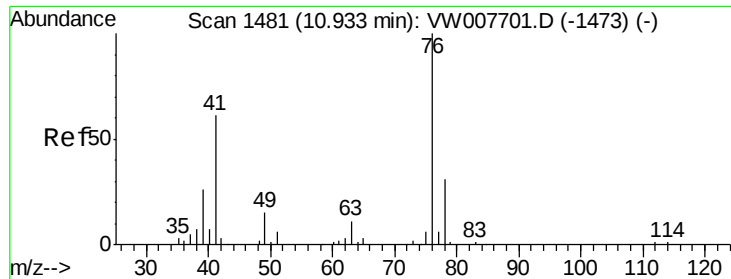
Tot Ion:	97	Resp:	33759
Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.5	101.3
85	52.9	44.8	67.2
99	61.4	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 55.203 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion:	69	Resp:	41699
Ion	Ratio	Lower	Upper
69	100		
41	65.1	48.9	73.3
39	35.8	31.3	46.9

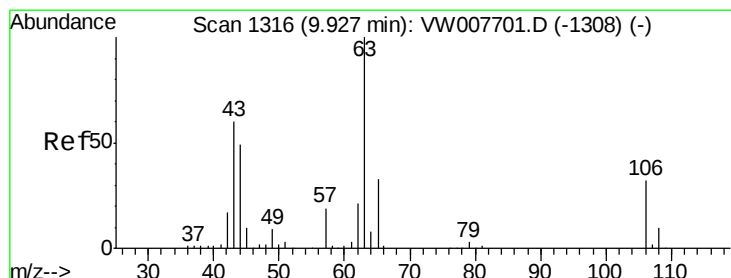
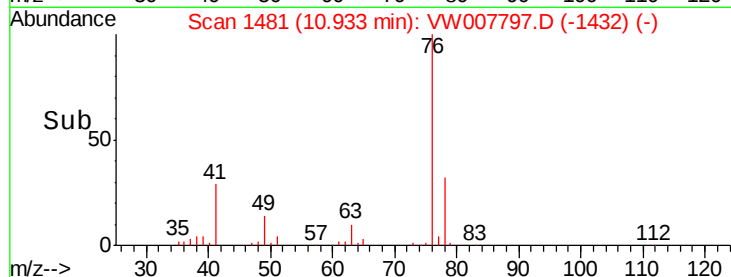
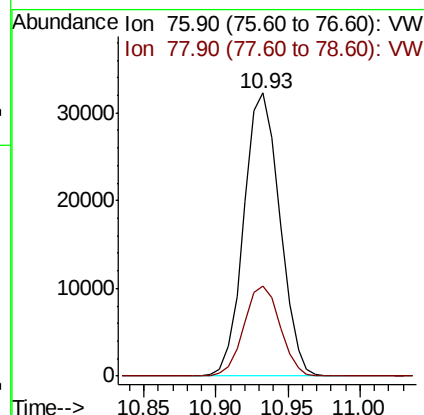
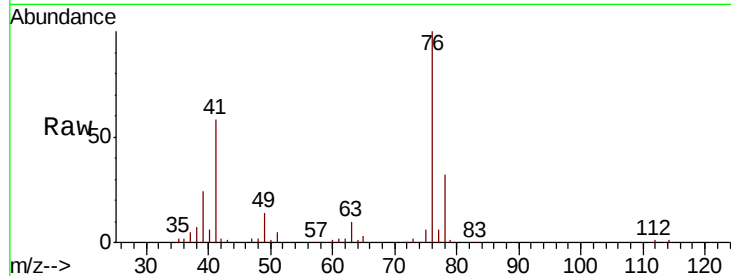




#57
 1,3-Dichloropropane
 Concen: 52.563 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

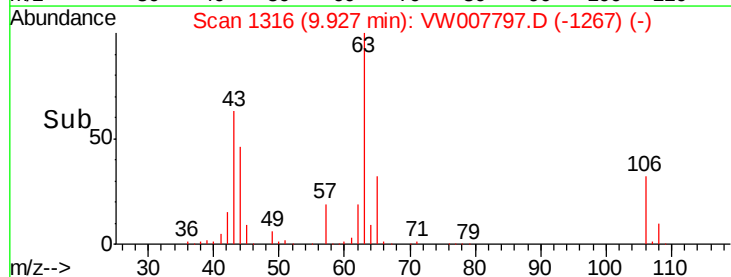
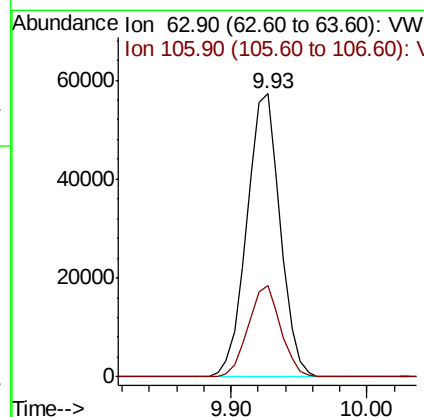
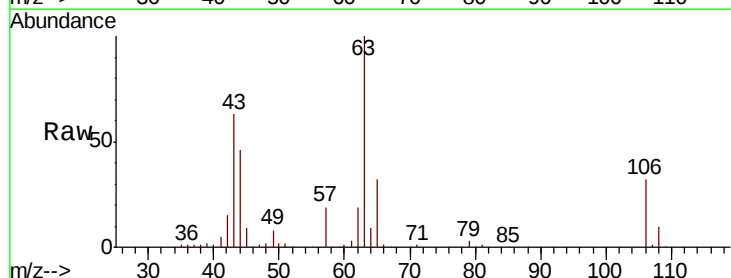
Instrument :
 MSVOA_W
 ClientSampled :

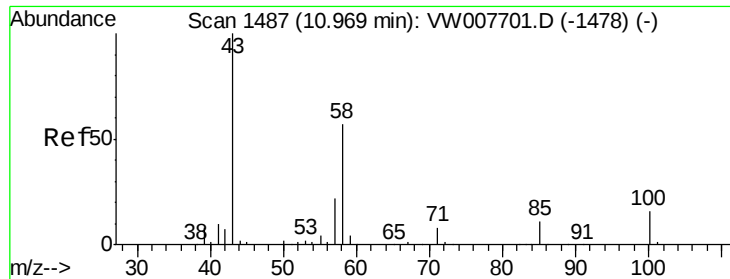
Tot Ion: 76 Resp: 55803
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 284.531 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion: 63 Resp: 98130
 Ion Ratio Lower Upper
 63 100
 106 31.4 25.9 38.9





#59

2-Hexanone

Concen: 280.217 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

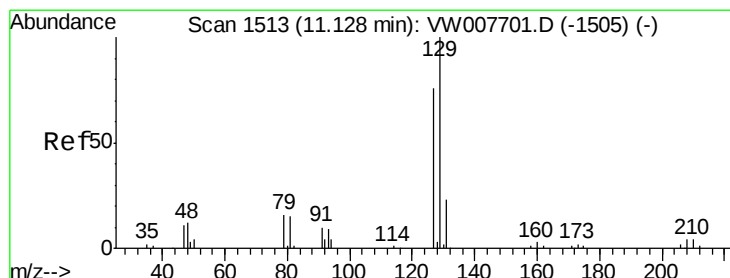
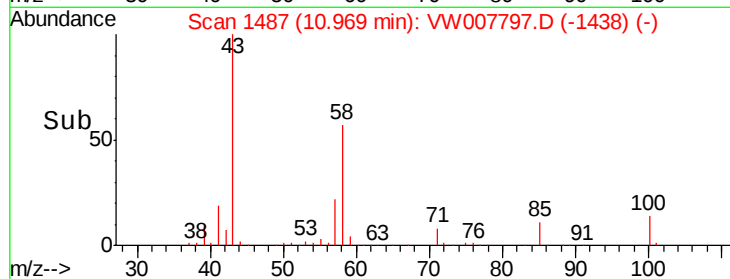
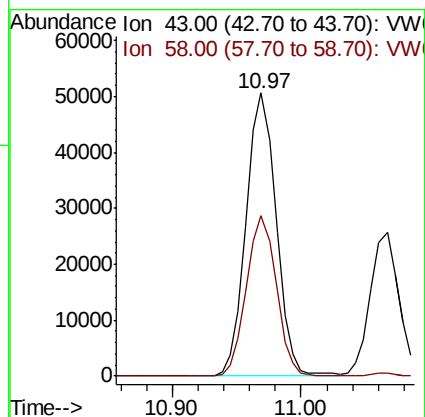
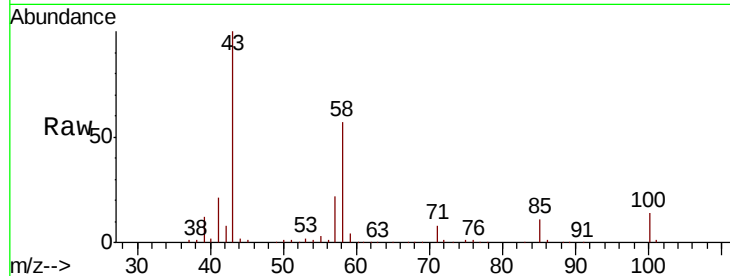
ClientSampled :

Tot Ion: 43 Resp: 81933

Ion Ratio Lower Upper

43 100

58 56.1 27.7 83.1



#60

Dibromochloromethane

Concen: 44.923 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007797.D

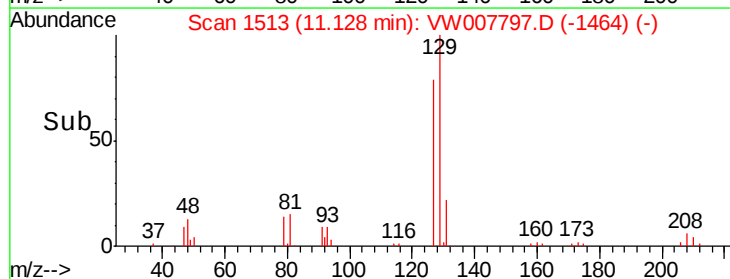
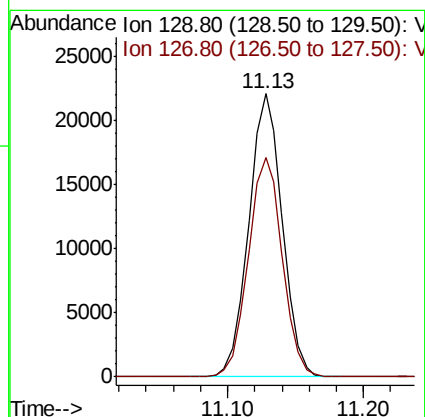
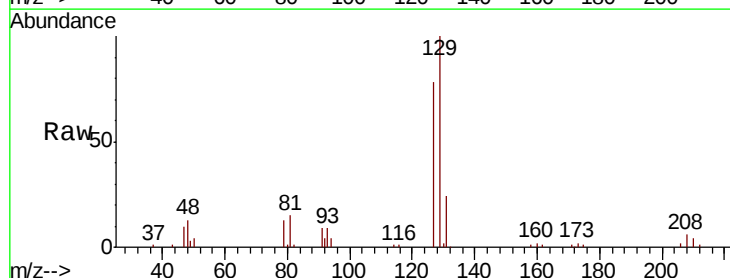
Acq: 21 Dec 2018 16:01

Tgt Ion:129 Resp: 38028

Ion Ratio Lower Upper

129 100

127 78.5 38.3 114.9

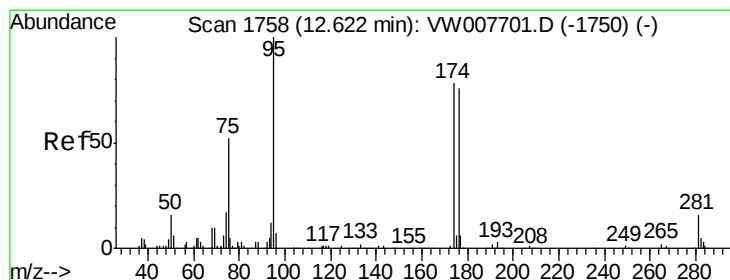
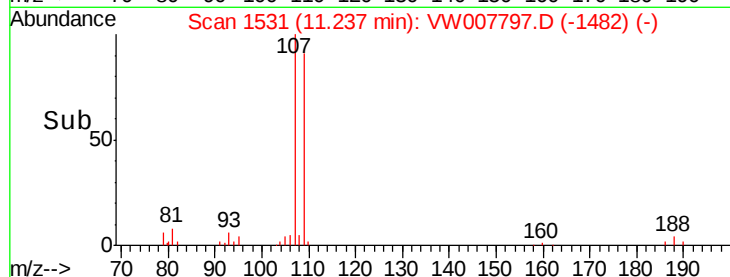
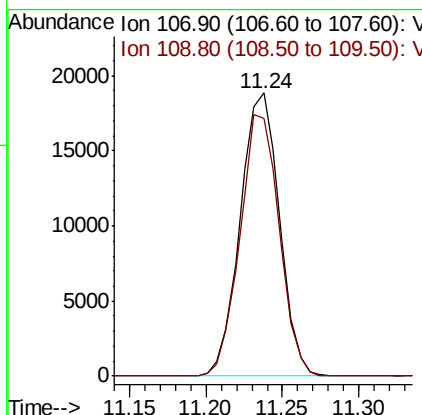
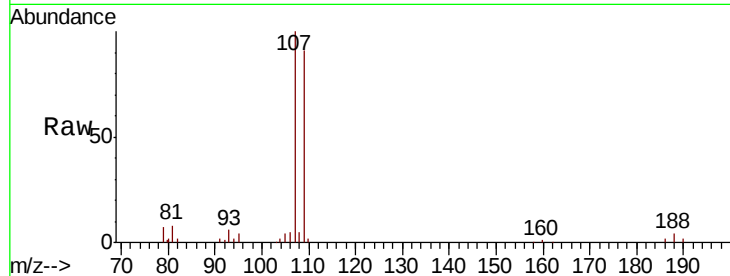




#61
 1,2-Dibromoethane
 Concen: 51.871 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

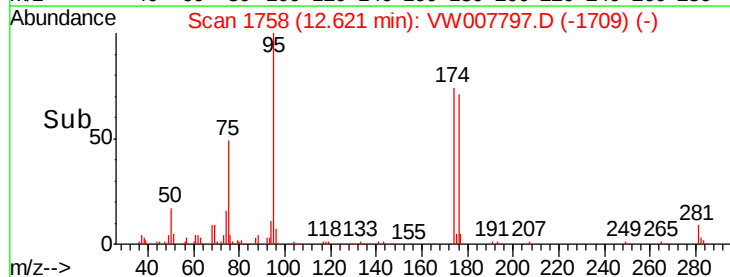
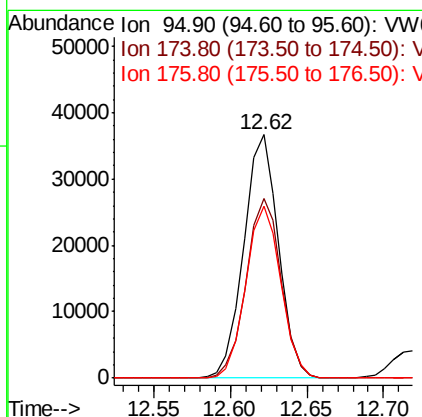
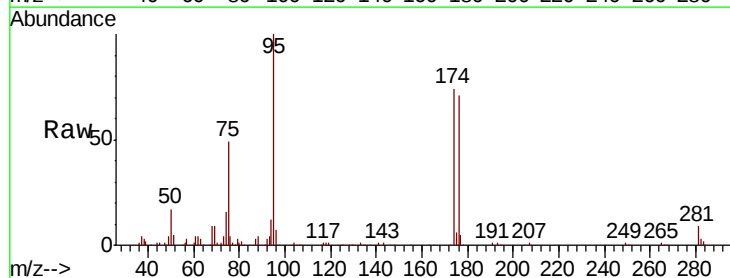
Instrument :
 MSVOA_W
 ClientSampleId :

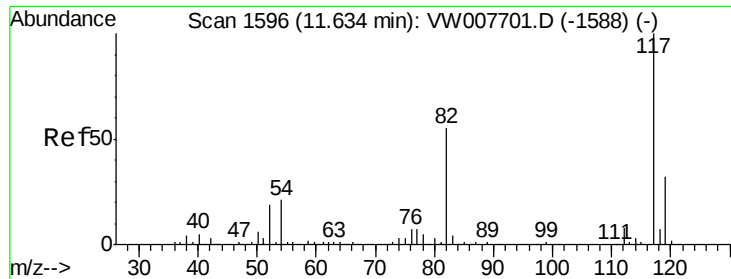
Tot Ion:107 Resp: 33583
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.370 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion: 95 Resp: 57824
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 152.2
 176 71.3 0.0 146.8

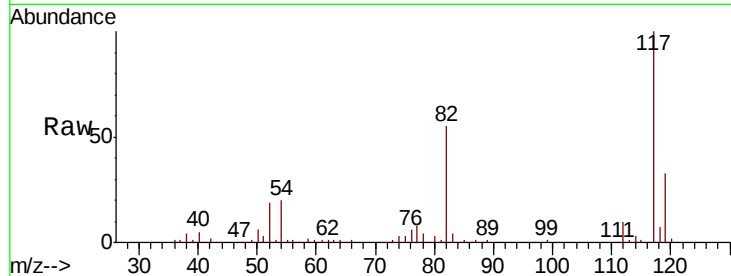




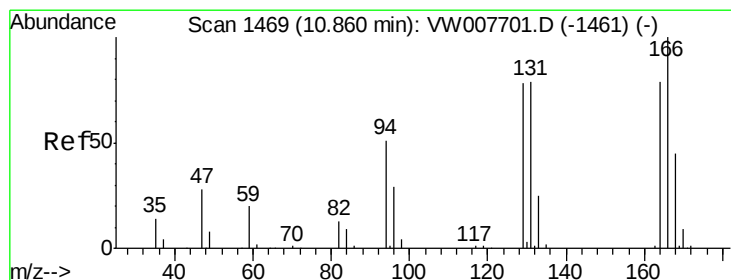
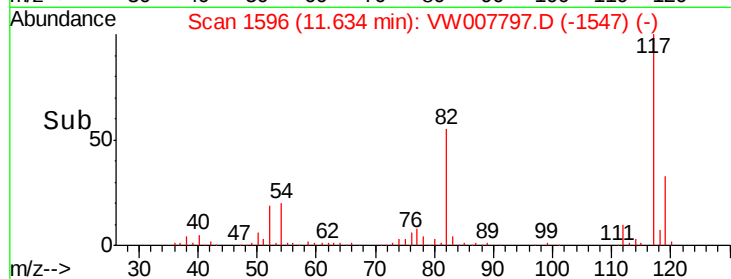
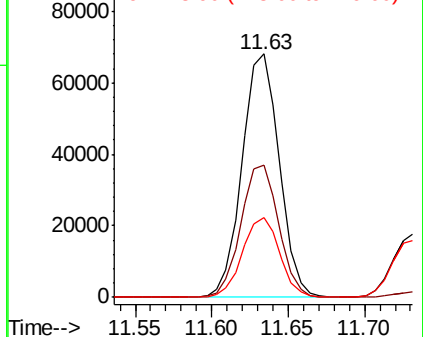
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 115056
Ion Ratio Lower Upper
117 100
82 54.5 44.3 66.5
119 32.8 25.7 38.5

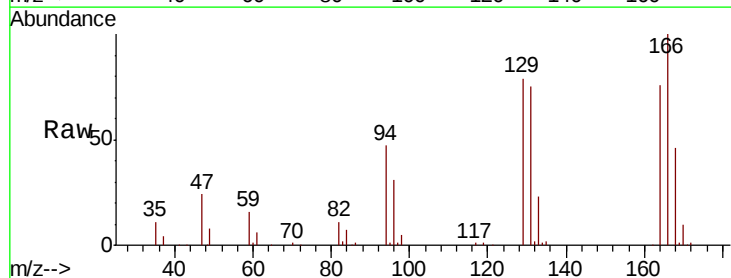


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

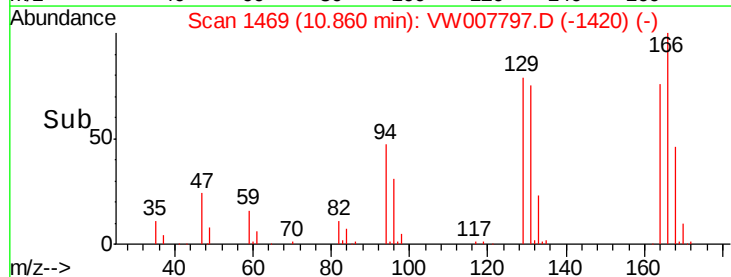
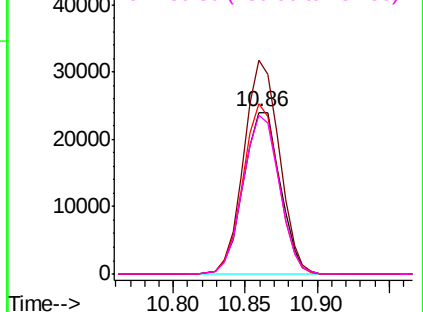


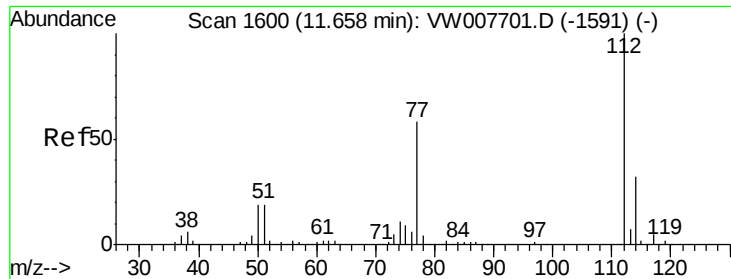
#64
Tetrachloroethene
Concen: 52.340 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion:164 Resp: 42644
Ion Ratio Lower Upper
164 100
166 132.3 101.0 151.6
129 105.1 78.7 118.1
131 98.6 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

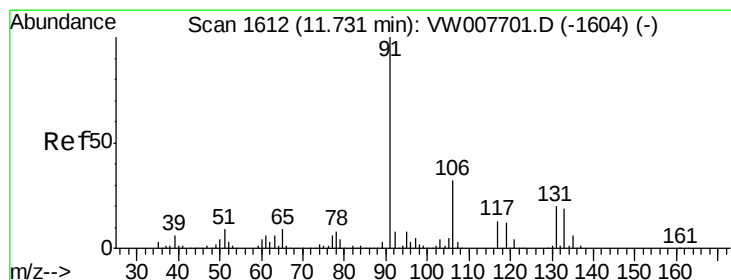
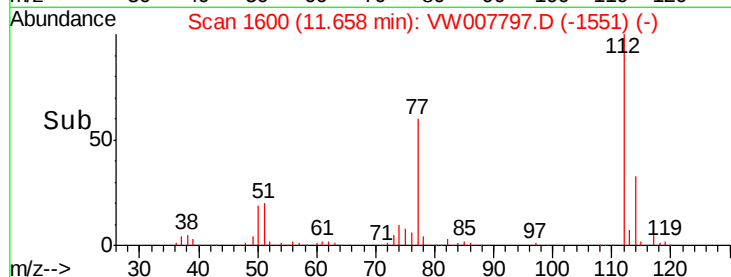
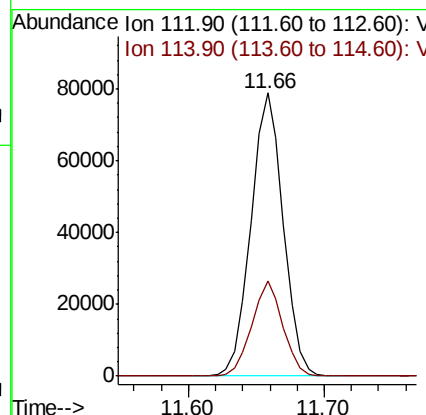
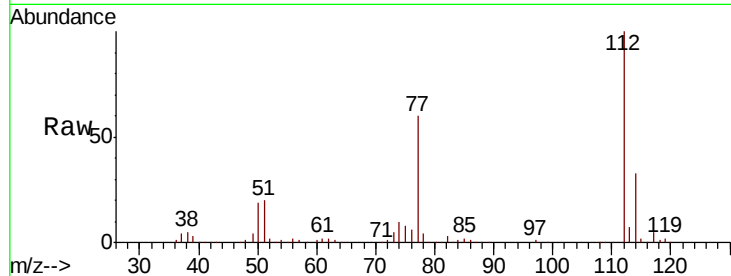




#65
Chlorobenzene
Concen: 52.367 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

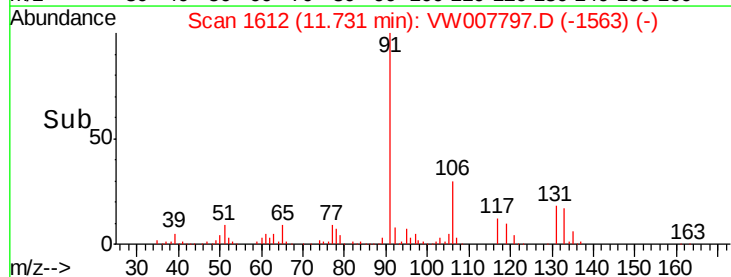
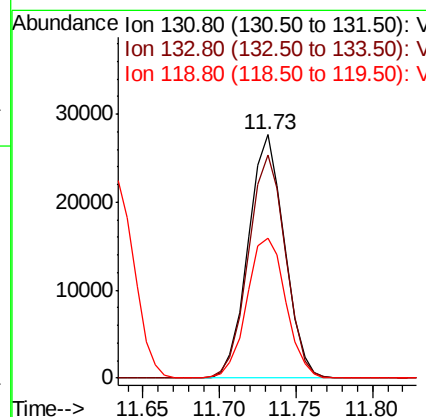
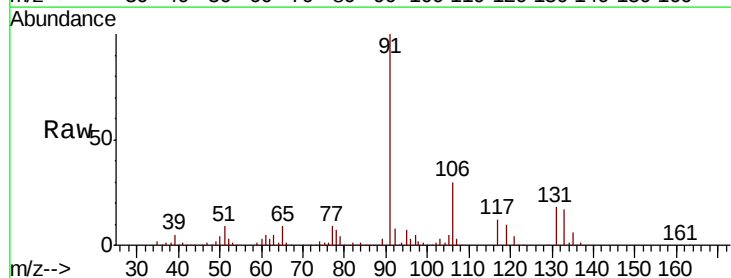
Instrument :
MSVOA_W
ClientSampled :

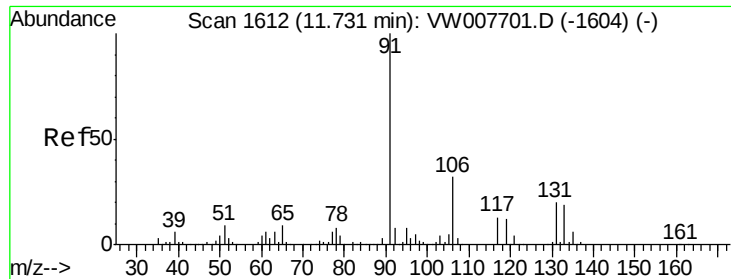
Tot Ion:112 Resp: 130409
Ion Ratio Lower Upper
112 100
114 33.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.337 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion:131 Resp: 45681
Ion Ratio Lower Upper
131 100
133 94.1 47.5 142.5
119 61.8 30.2 90.6

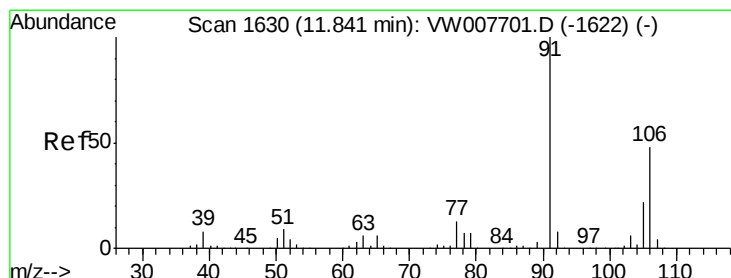
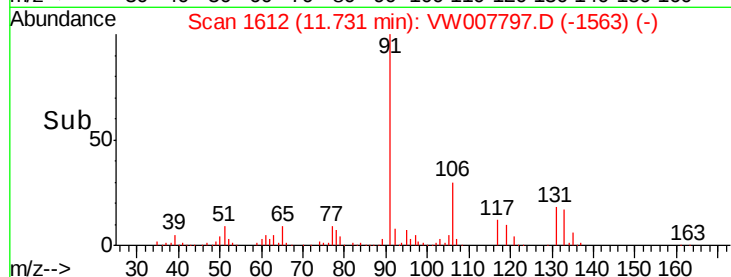
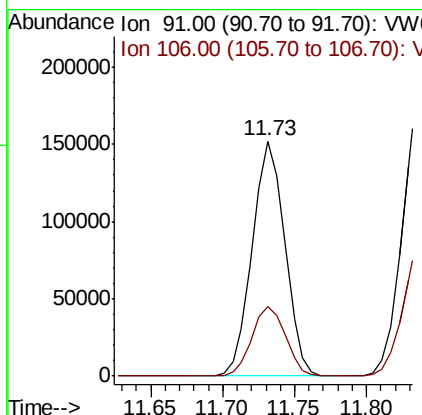
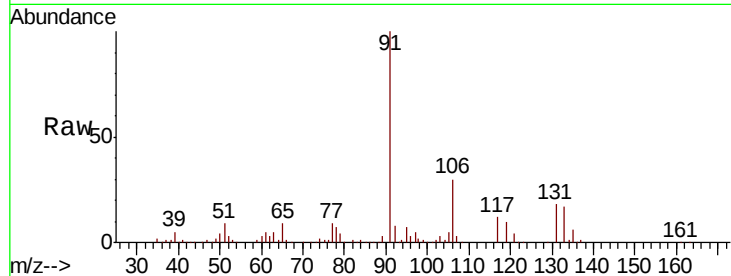




#67
Ethyl Benzene
Concen: 55.848 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

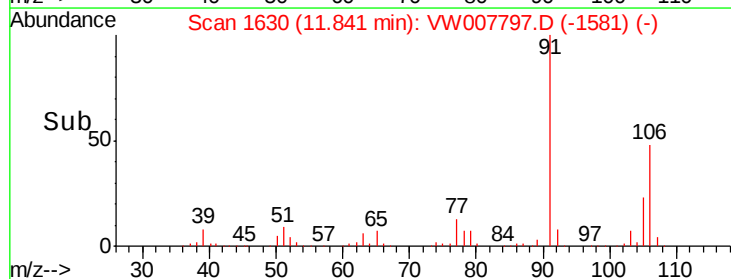
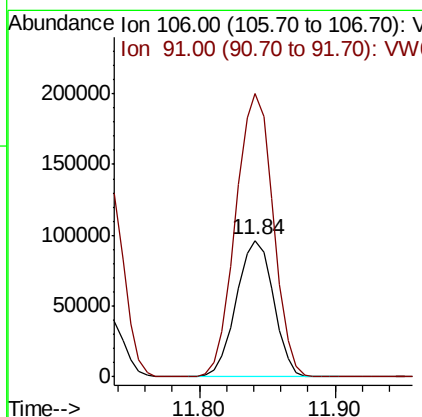
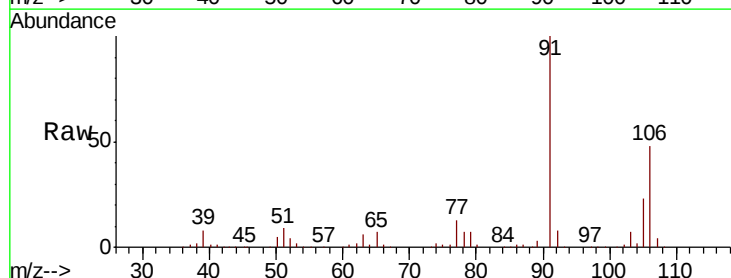
Instrument :
MSVOA_W
ClientSampled :

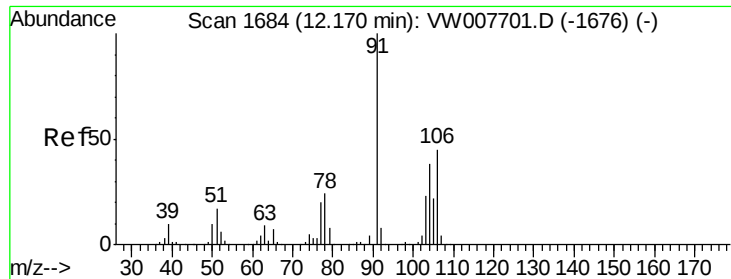
Tot Ion: 91 Resp: 238660
Ion Ratio Lower Upper
91 100
106 29.6 25.8 38.8



#68
m/p-Xylenes
Concen: 110.746 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion:106 Resp: 183583
Ion Ratio Lower Upper
106 100
91 209.6 165.2 247.8

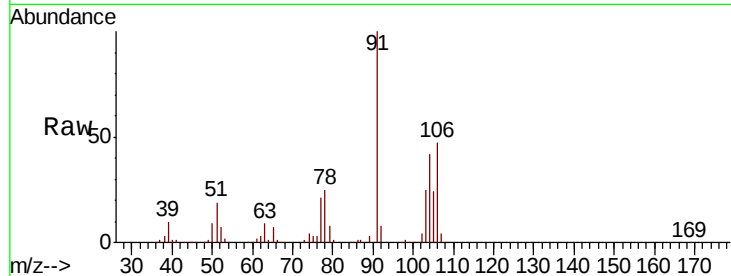




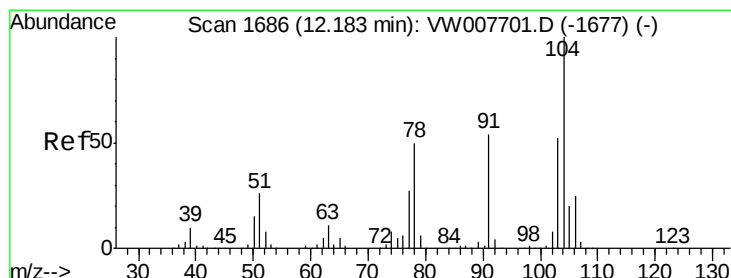
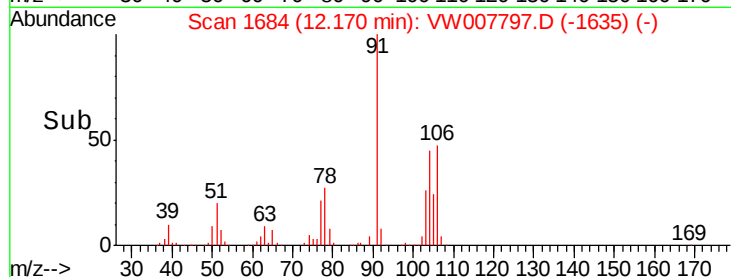
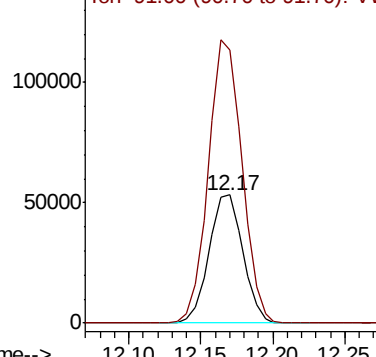
#69
o-Xylene
Concen: 56.149 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 87248
Ion Ratio Lower Upper
106 100
91 219.1 110.5 331.4

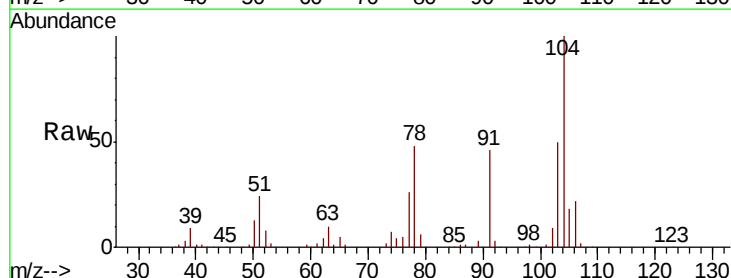


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

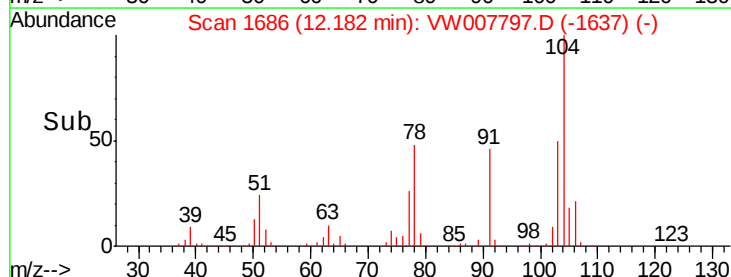
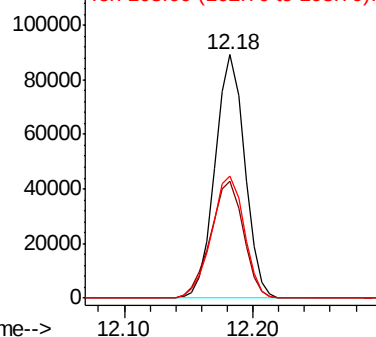


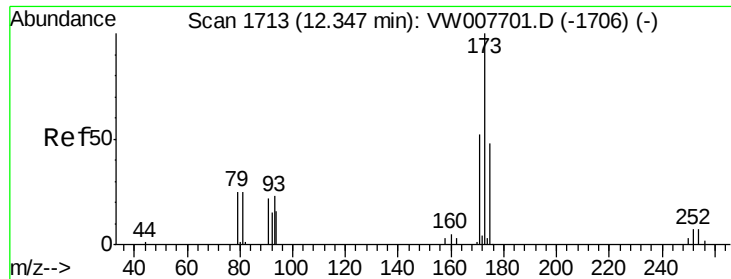
#70
Styrene
Concen: 55.436 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion:104 Resp: 141597
Ion Ratio Lower Upper
104 100
78 53.3 43.4 65.0
103 55.5 44.5 66.7



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





#71

Bromoform

Concen: 45.065 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

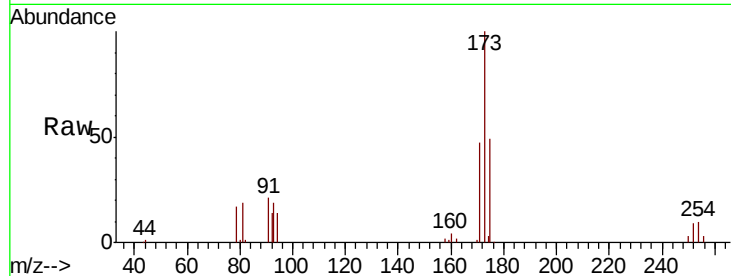
Tot Ion:173 Resp: 20817

Ion Ratio Lower Upper

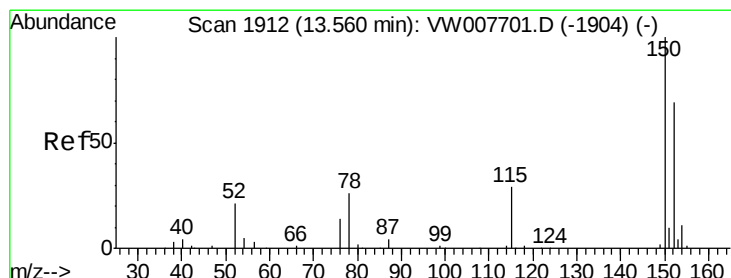
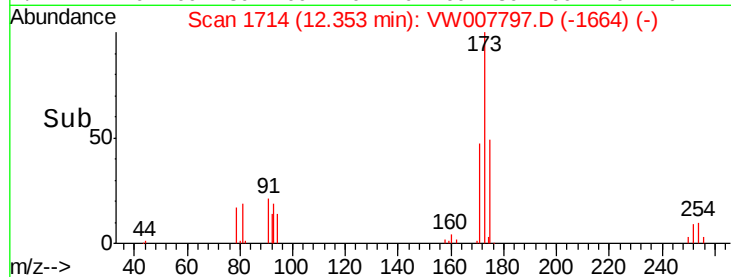
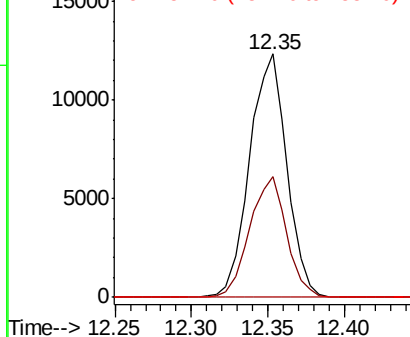
173 100

175 49.1 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: VW007797.D

Acq: 21 Dec 2018 16:01

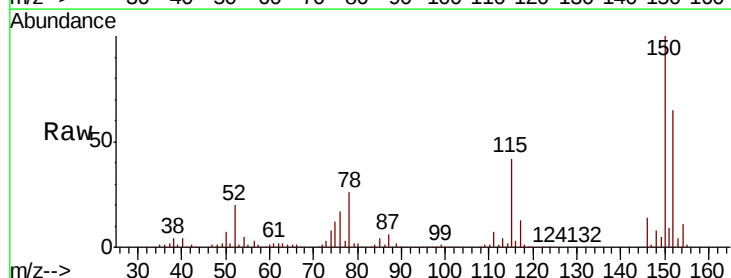
Tgt Ion:152 Resp: 57974

Ion Ratio Lower Upper

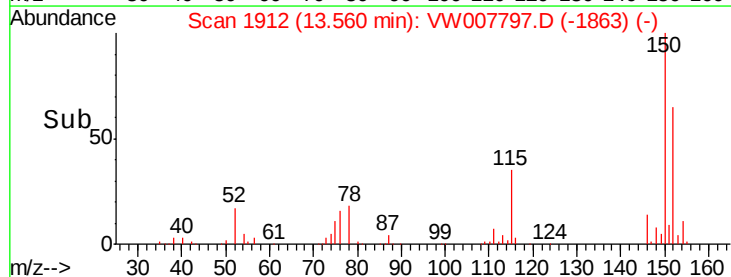
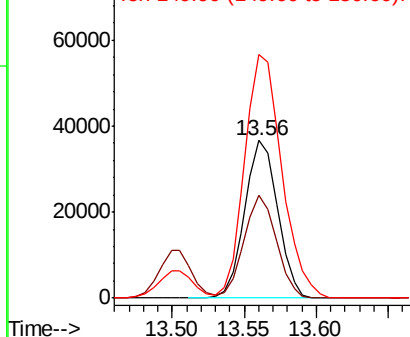
152 100

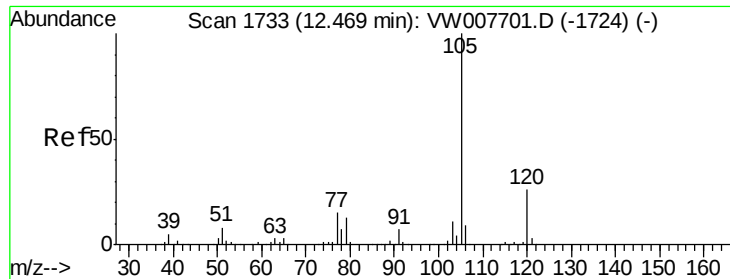
115 64.1 31.8 95.4

150 174.5 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: 56.376 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

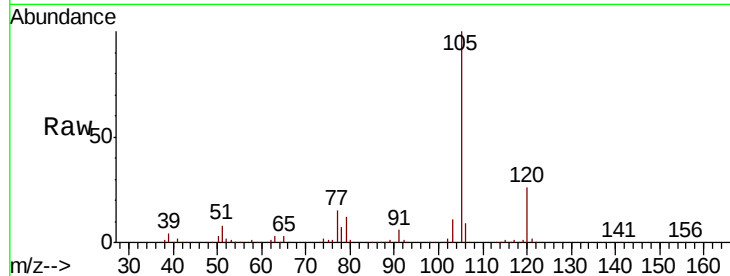
ClientSampleId :

Tot Ion:105 Resp: 247050

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

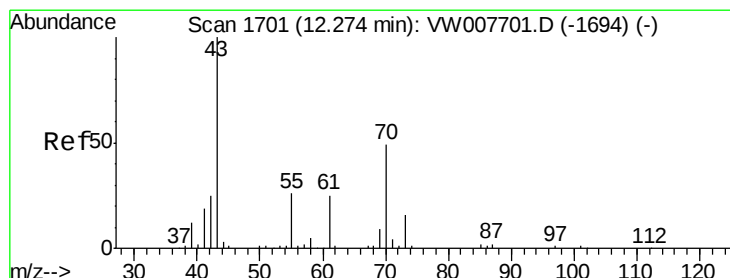
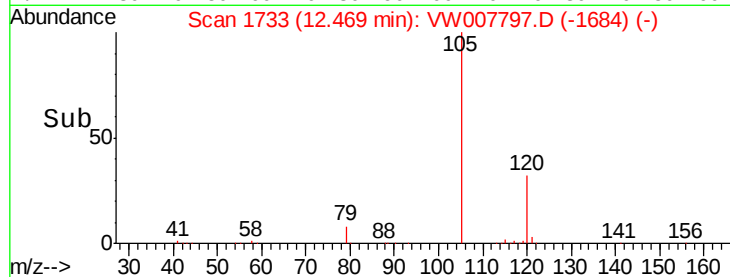
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 60.257 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Tgt Ion: 43 Resp: 45739

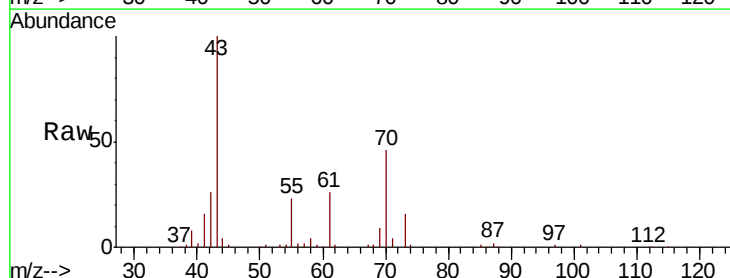
Ion Ratio Lower Upper

43 100

70 45.9 37.6 56.4

55 24.3 21.7 32.5

61 25.4 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

40000

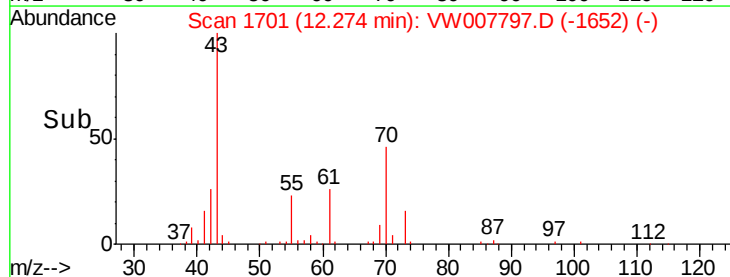
30000

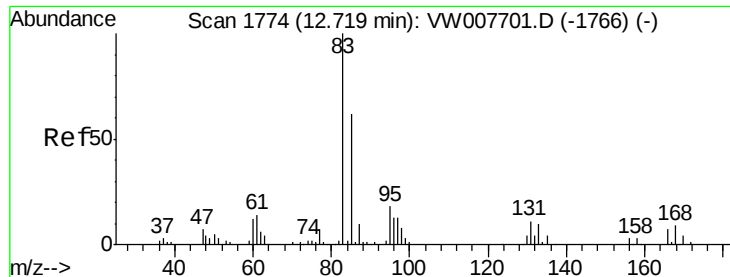
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.014 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

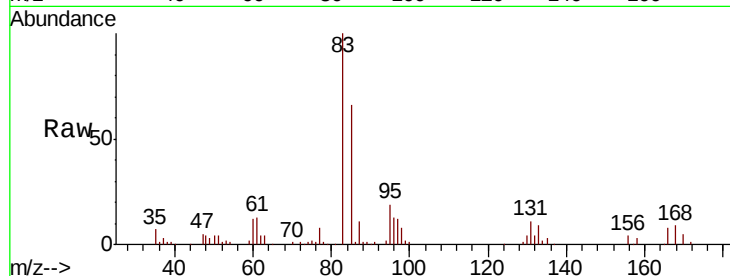
Tot Ion: 83 Resp: 36146

Ion Ratio Lower Upper

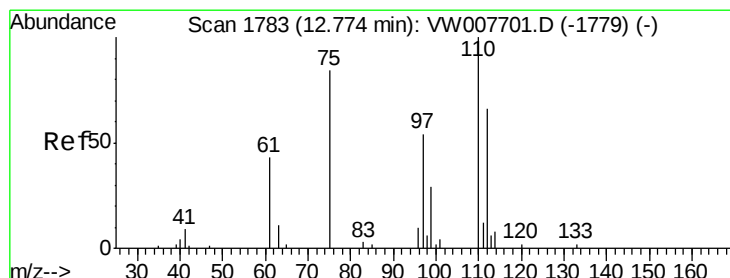
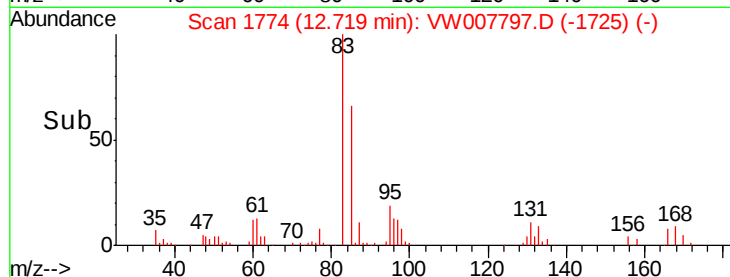
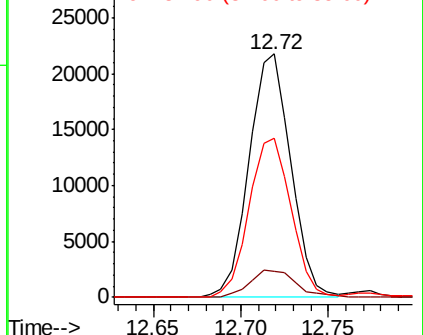
83 100

131 12.6 6.3 18.8

85 66.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 112.378 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007797.D

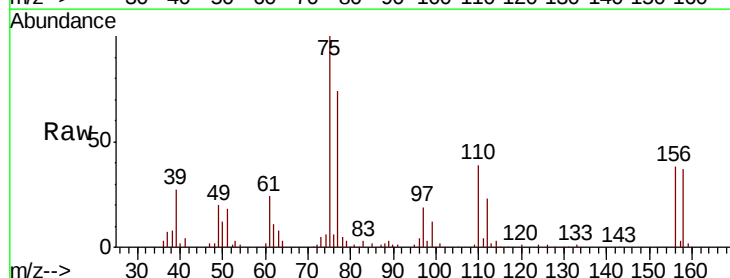
Acq: 21 Dec 2018 16:01

Tgt Ion: 75 Resp: 50355

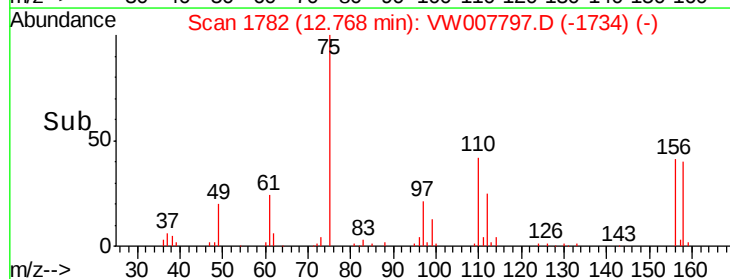
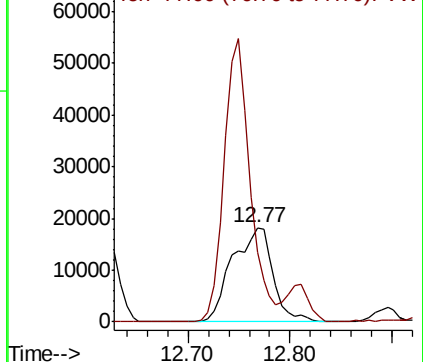
Ion Ratio Lower Upper

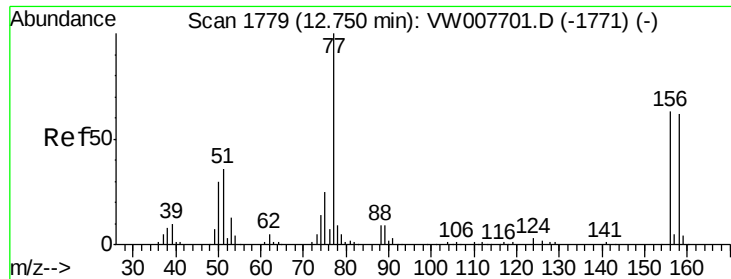
75 100

77 192.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.944 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

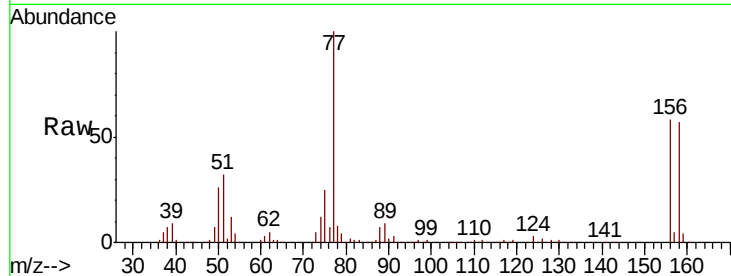
Tot Ion:156 Resp: 53171

Ion Ratio Lower Upper

156 100

77 181.9 87.4 262.1

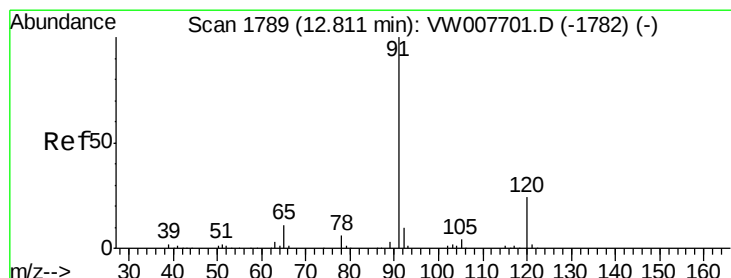
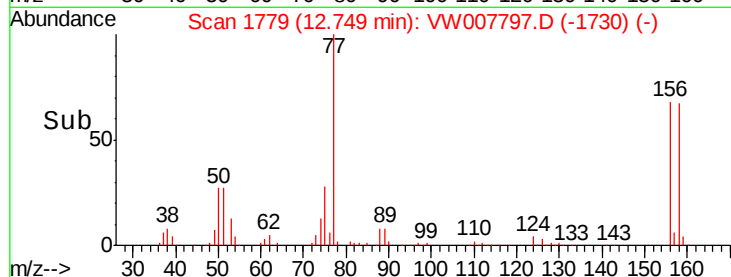
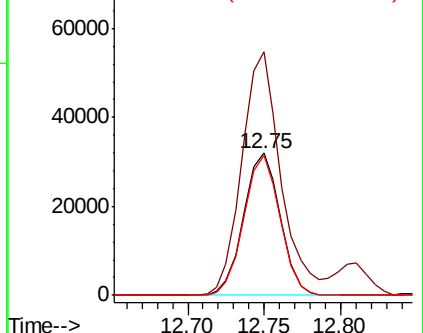
158 96.7 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.323 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007797.D

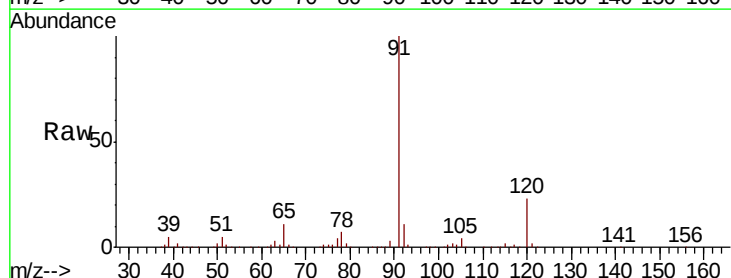
Acq: 21 Dec 2018 16:01

Tgt Ion: 91 Resp: 282211

Ion Ratio Lower Upper

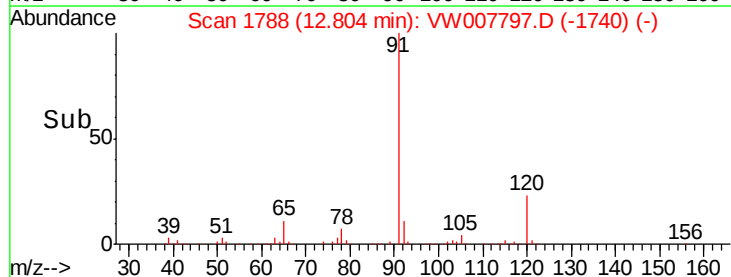
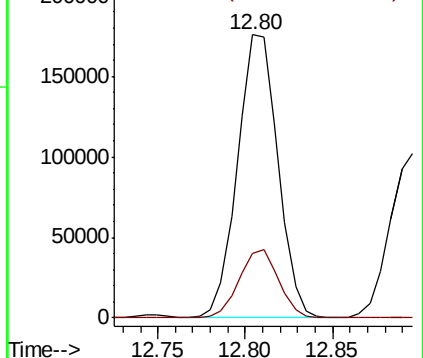
91 100

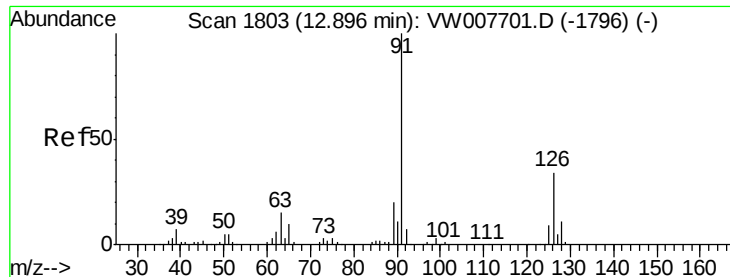
120 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

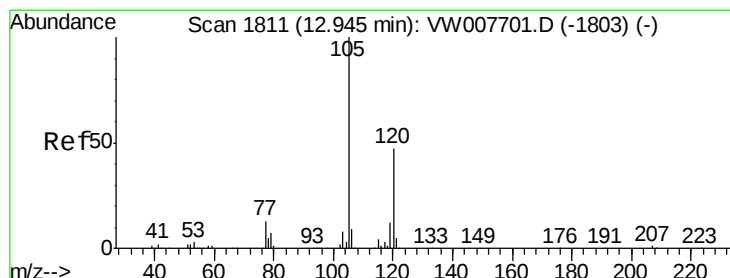
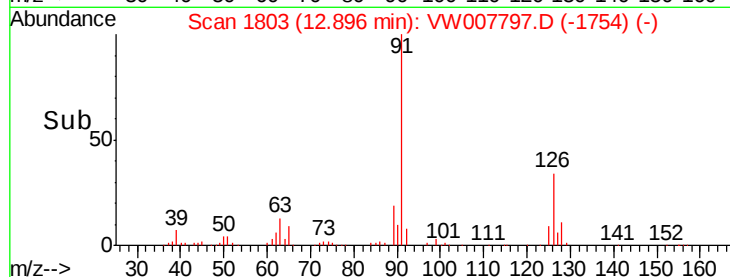
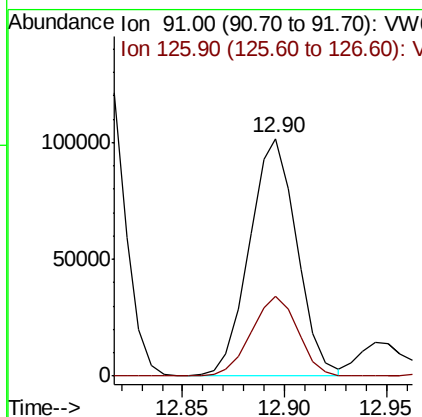
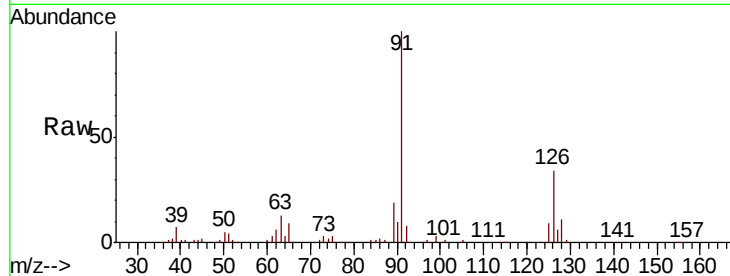




#79
2-Chlorotoluene
Concen: 55.274 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

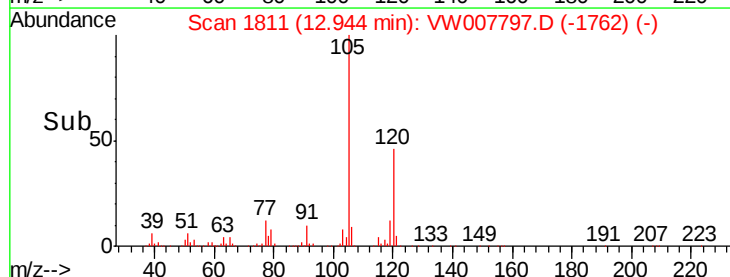
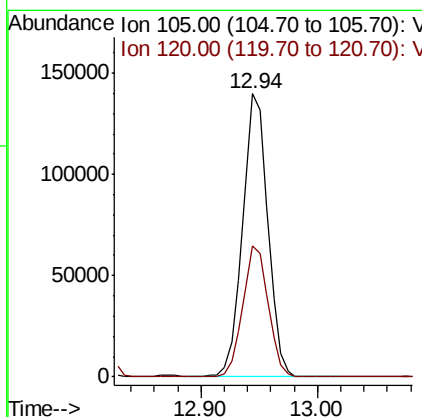
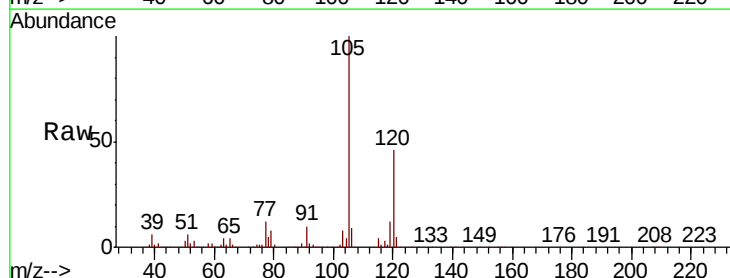
Instrument :
MSVOA_W
ClientSampleId :

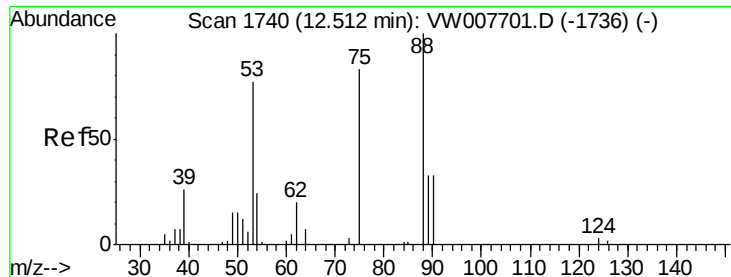
Tot Ion: 91 Resp: 164256
Ion Ratio Lower Upper
91 100
126 33.4 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 56.030 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion:105 Resp: 211791
Ion Ratio Lower Upper
105 100
120 46.7 23.6 70.8

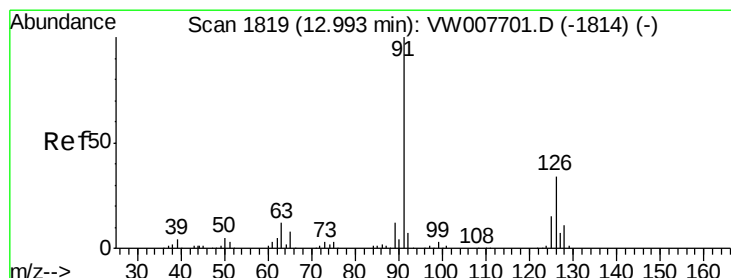
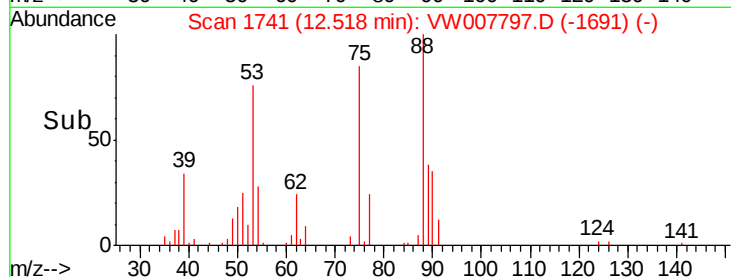
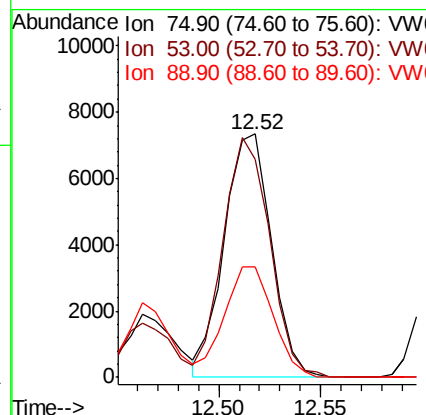
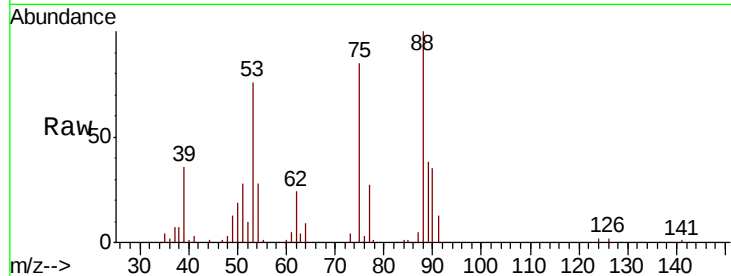




#81
trans-1,4-Dichloro-2-butene
Concen: 55.132 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

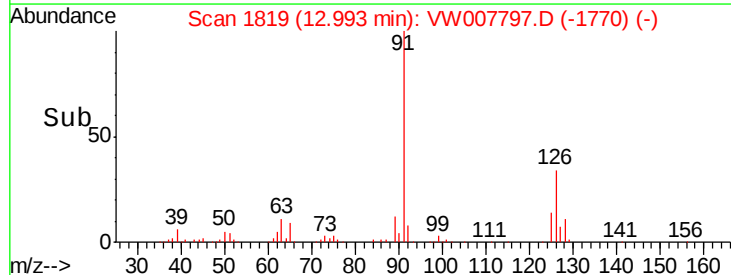
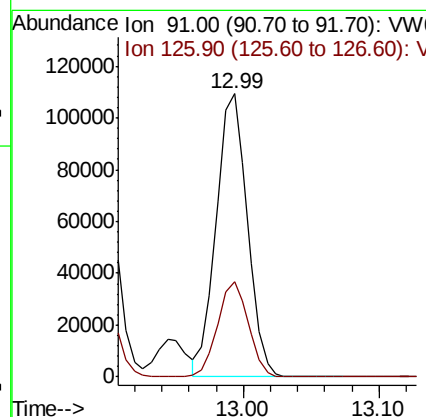
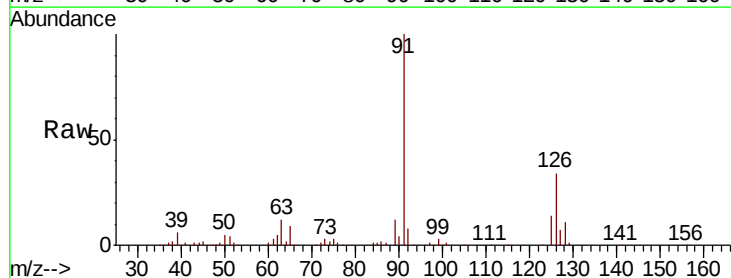
Instrument :
MSVOA_W
ClientSampleId :

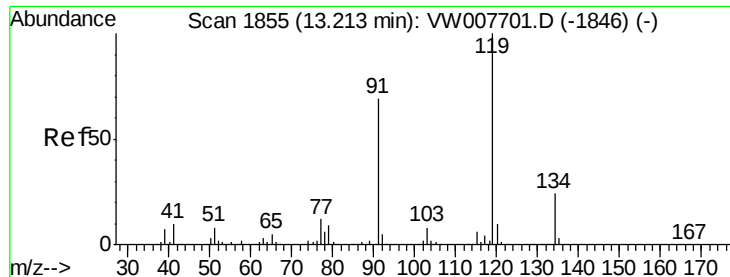
Tot Ion: 75 Resp: 11769
Ion Ratio Lower Upper
75 100
53 97.5 80.2 120.2
89 47.1 39.2 58.8



#82
4-Chlorotoluene
Concen: 54.834 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion: 91 Resp: 173502
Ion Ratio Lower Upper
91 100
126 33.2 16.5 49.5





#83

tert-Butylbenzene

Concen: 56.360 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

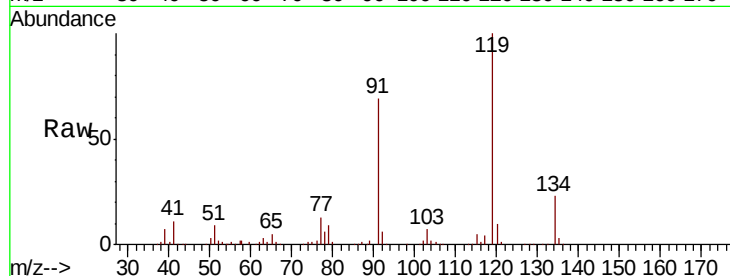
Tot Ion:119 Resp: 186925

Ion Ratio Lower Upper

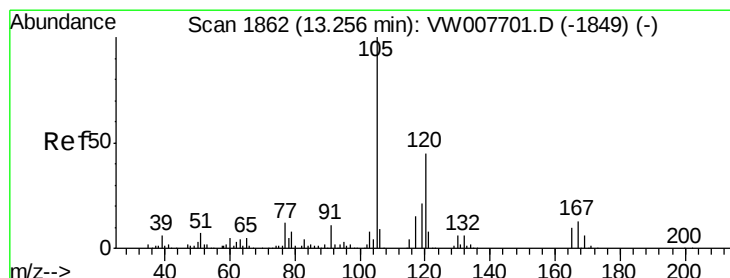
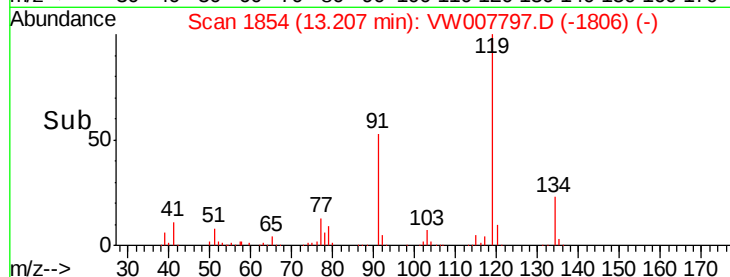
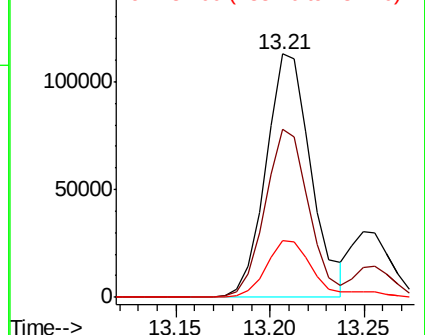
119 100

91 66.9 34.2 102.5

134 25.0 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.696 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007797.D

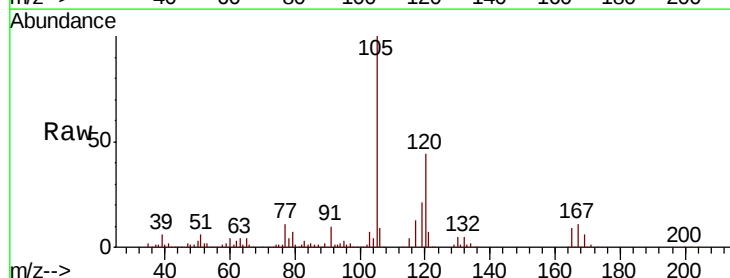
Acq: 21 Dec 2018 16:01

Tgt Ion:105 Resp: 216249

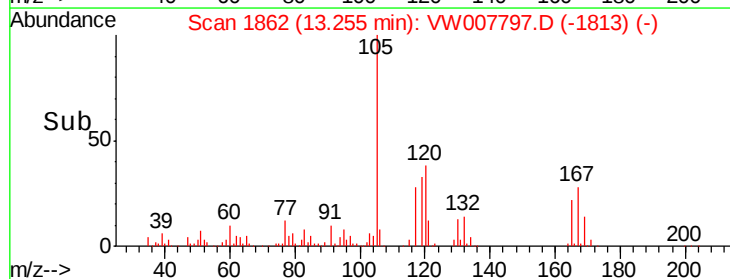
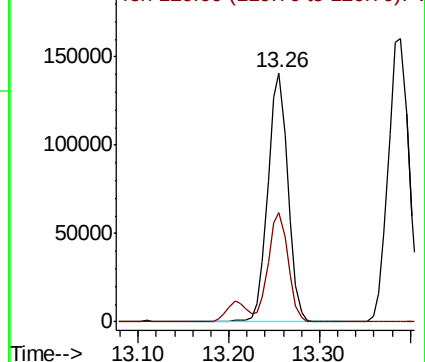
Ion Ratio Lower Upper

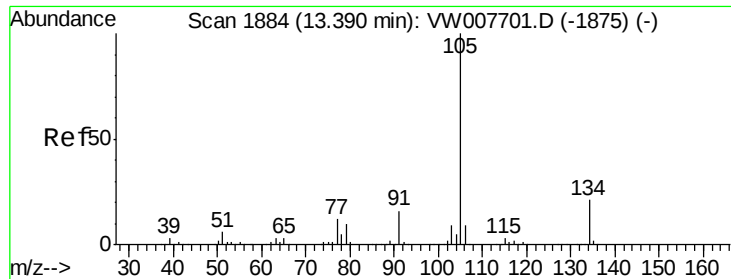
105 100

120 43.6 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

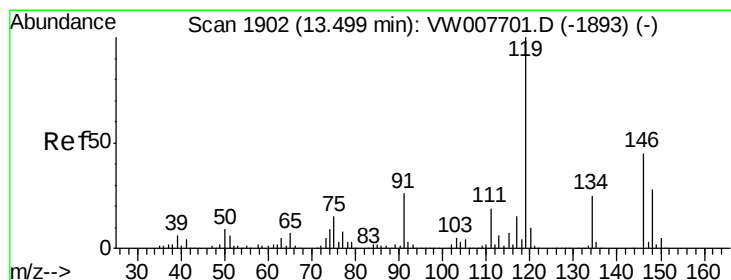
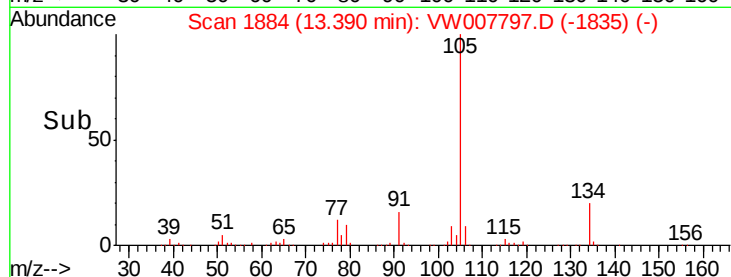
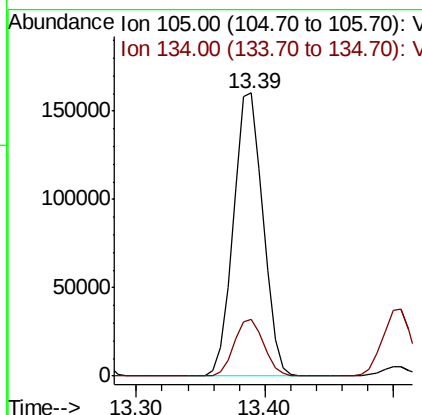
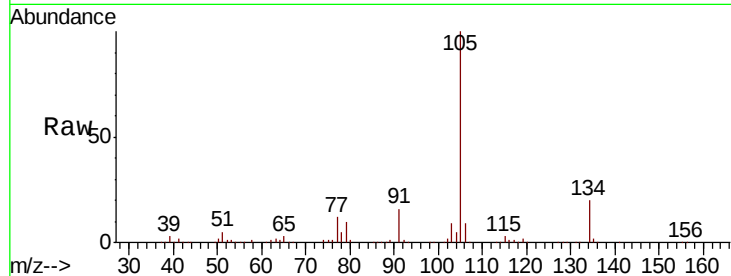




#85
 sec-Butylbenzene
 Concen: 55.924 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

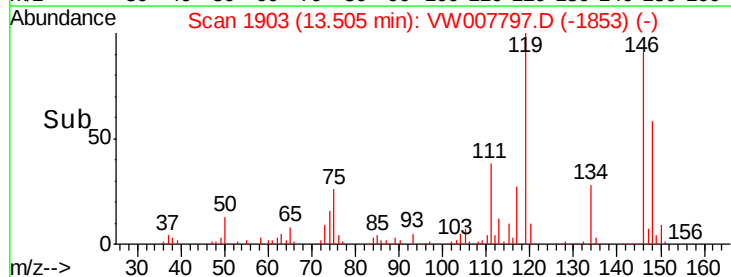
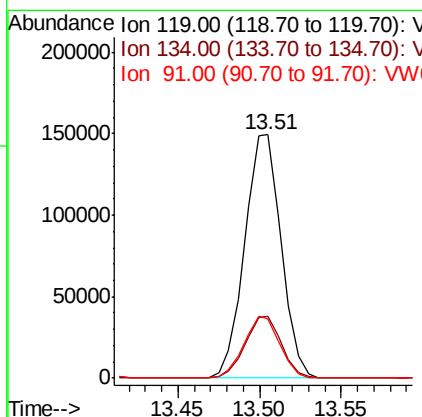
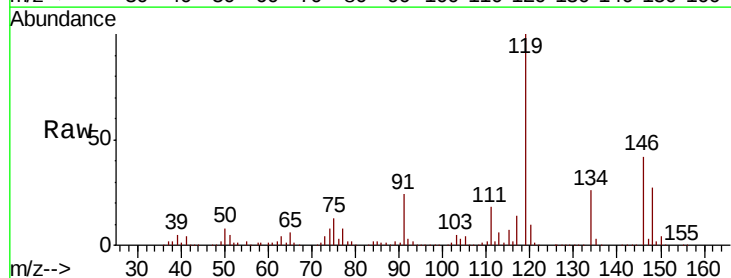
Instrument :
 MSVOA_W
 ClientSampleId :

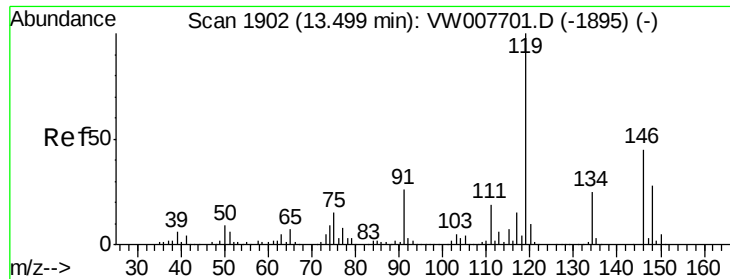
Tot Ion:105 Resp: 255625
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 55.892 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion:119 Resp: 232310
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.0 39.0
 91 25.0 12.8 38.4

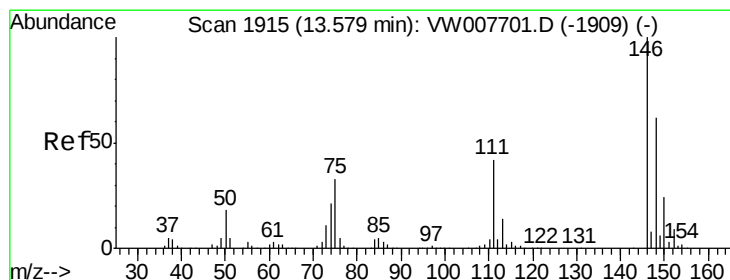
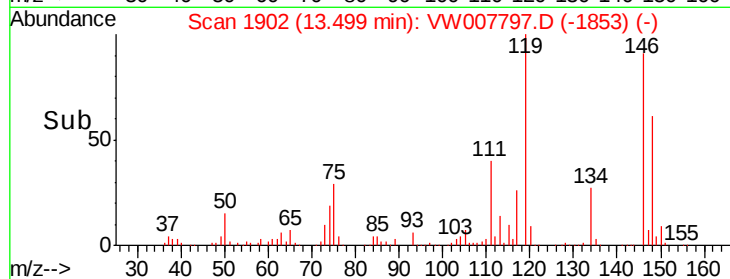
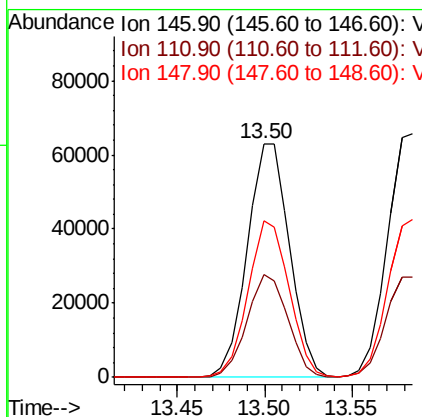
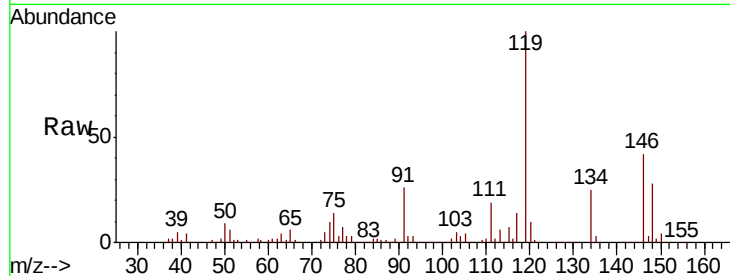




#87
 1,3-Dichlorobenzene
 Concen: 53.131 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

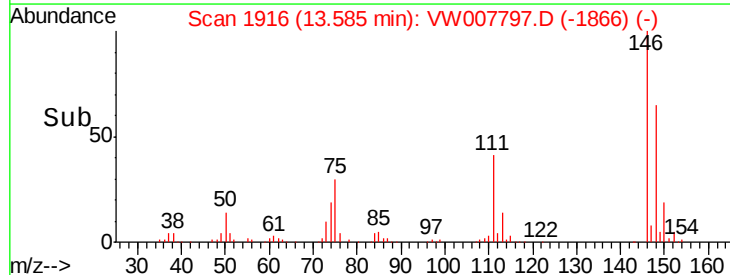
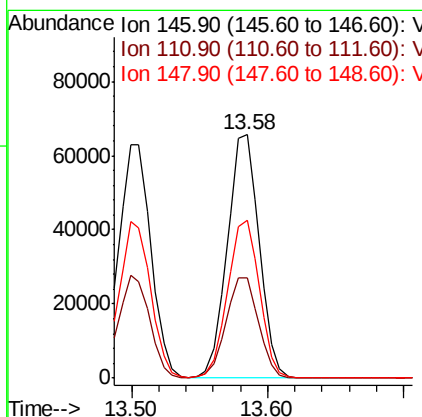
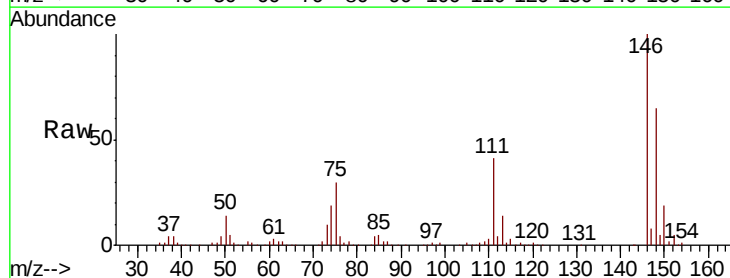
Instrument :
 MSVOA_W
 ClientSampleId :

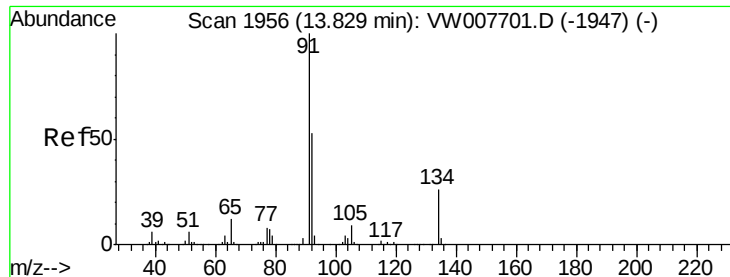
Tot Ion:146 Resp: 105943
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.1 63.4
 148 65.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 53.547 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion:146 Resp: 106803
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.0 63.0
 148 64.8 31.8 95.4





#89

n-Butylbenzene

Concen: 57.000 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

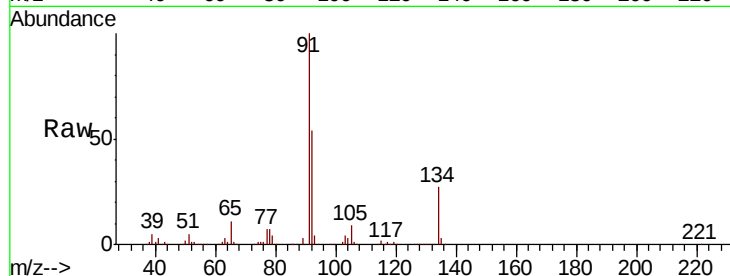
Tot Ion: 91 Resp: 217220

Ion Ratio Lower Upper

91 100

92 53.5 26.4 79.2

134 26.6 13.7 41.0

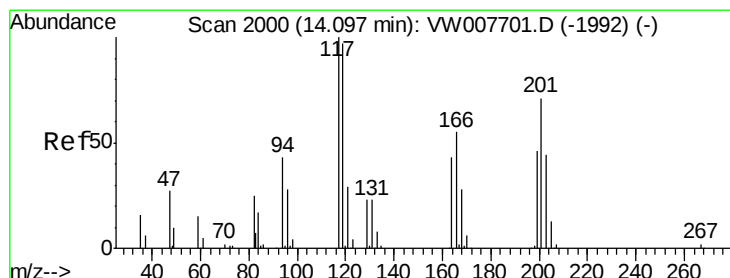
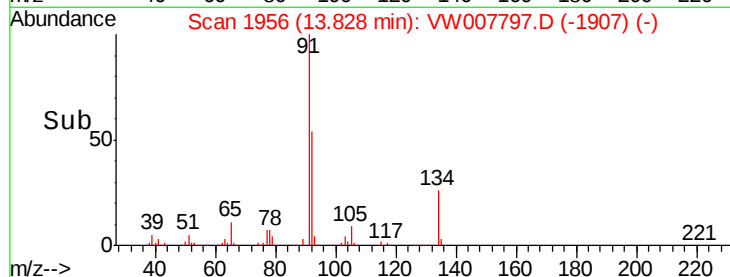
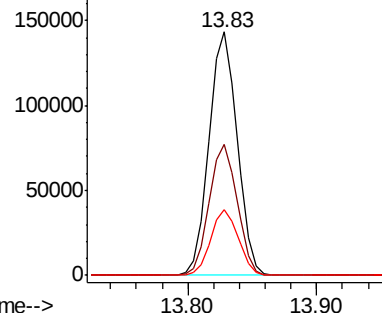


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 46.108 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007797.D

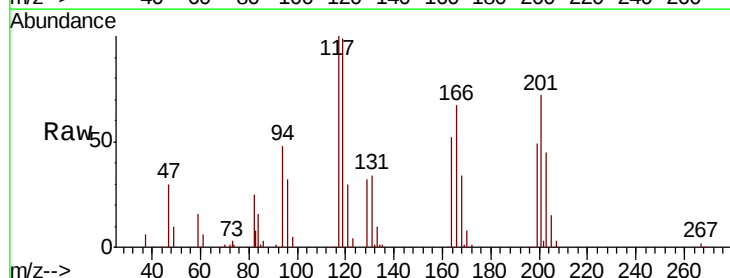
Acq: 21 Dec 2018 16:01

Tgt Ion: 117 Resp: 33645

Ion Ratio Lower Upper

117 100

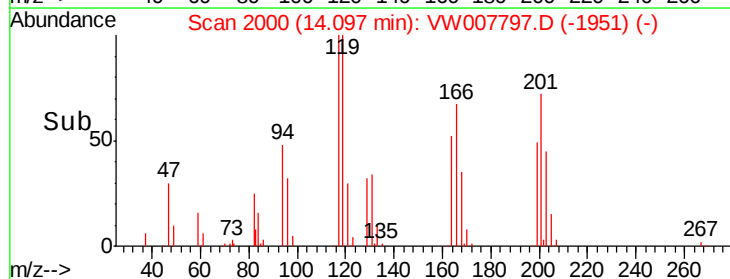
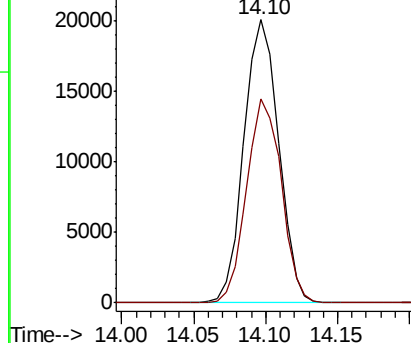
201 71.6 36.2 108.6

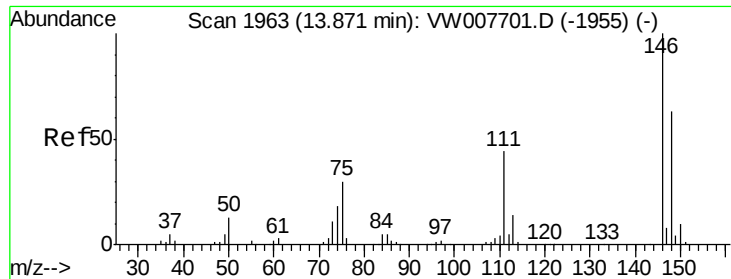


Abundance

Ion 116.80 (116.50 to 117.50): VW

Ion 200.70 (200.40 to 201.40): VW





#91

1,2-Dichlorobenzene

Concen: 52.977 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

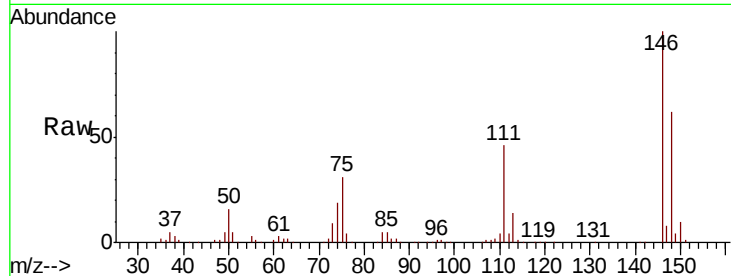
Tot Ion:146 Resp: 94580

Ion Ratio Lower Upper

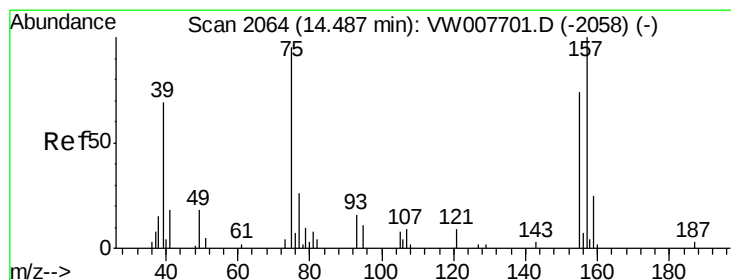
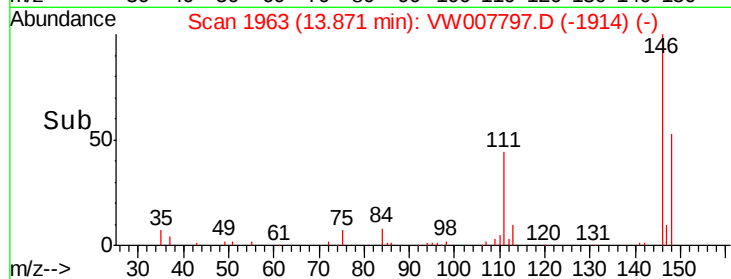
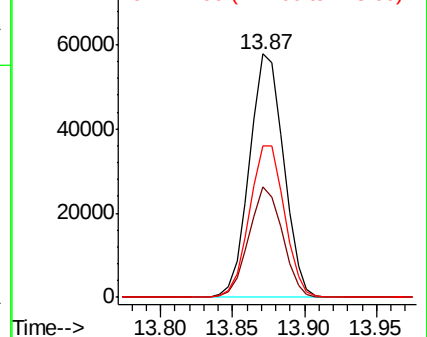
146 100

111 44.5 21.7 65.1

148 63.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.262 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007797.D

Acq: 21 Dec 2018 16:01

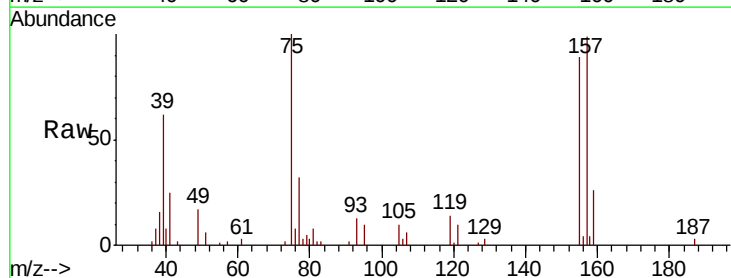
Tgt Ion: 75 Resp: 6782

Ion Ratio Lower Upper

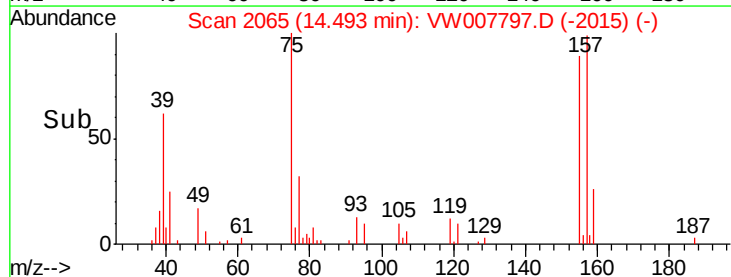
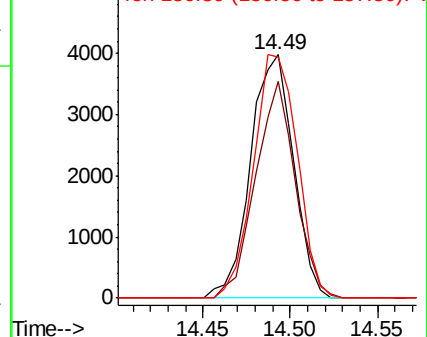
75 100

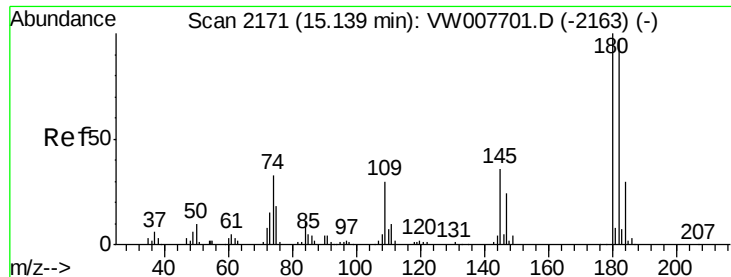
155 82.7 39.4 118.1

157 102.0 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

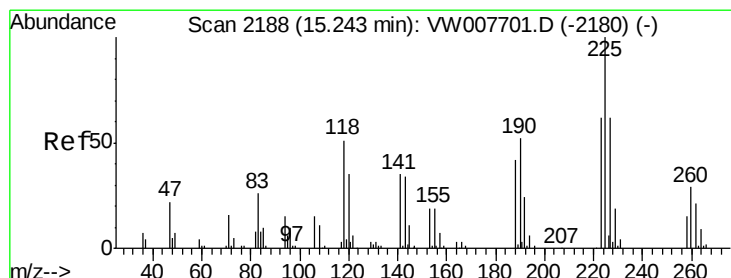
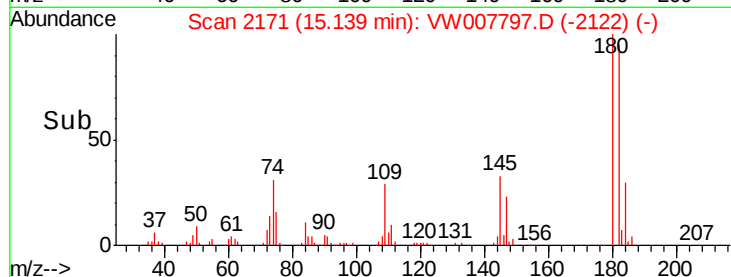
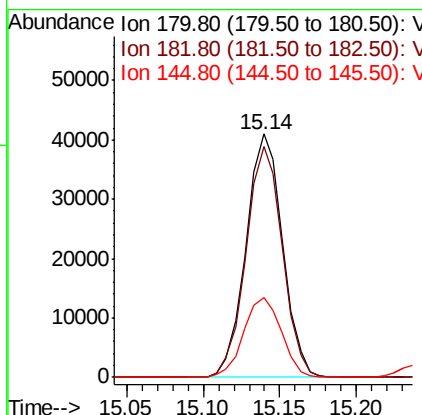
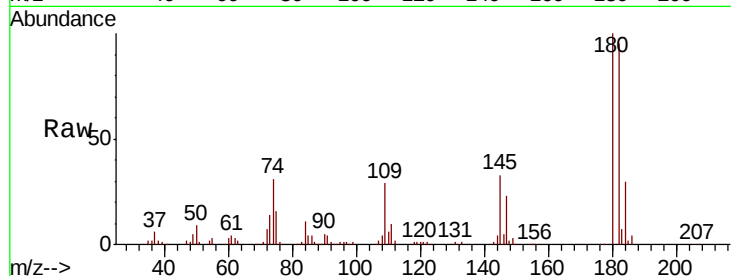




#93
 1,2,4-Trichlorobenzene
 Concen: 54.928 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

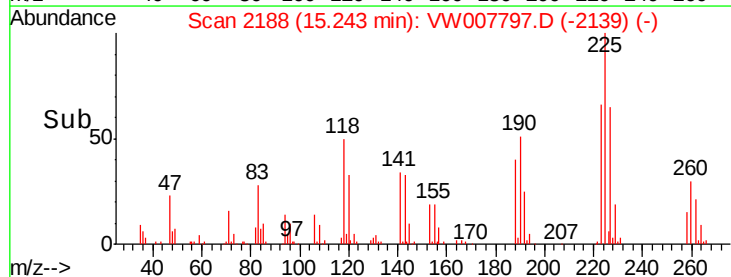
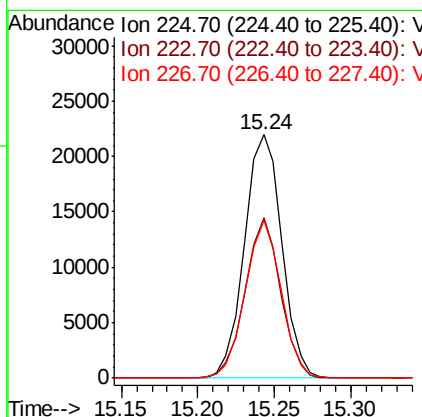
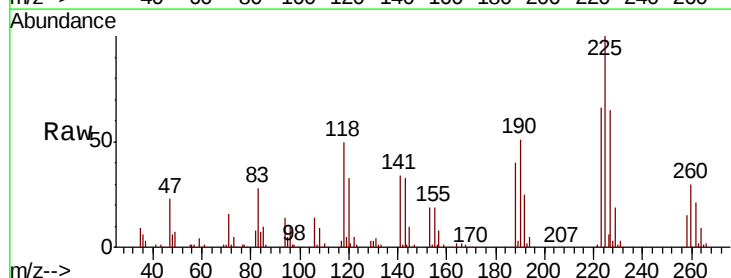
Instrument :
 MSVOA_W
 ClientSampleId :

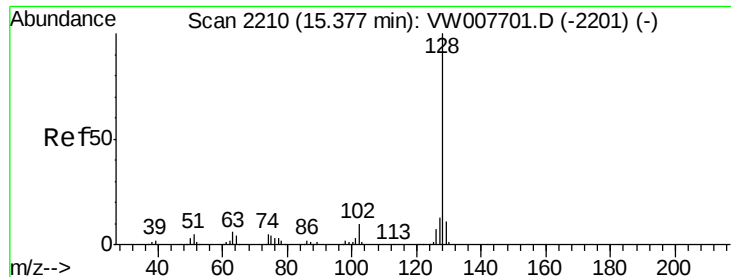
Tot Ion:180 Resp: 68070
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.5 142.6
 145 34.0 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 56.507 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007797.D
 Acq: 21 Dec 2018 16:01

Tgt Ion:225 Resp: 37424
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.6 94.8
 227 62.1 32.1 96.3

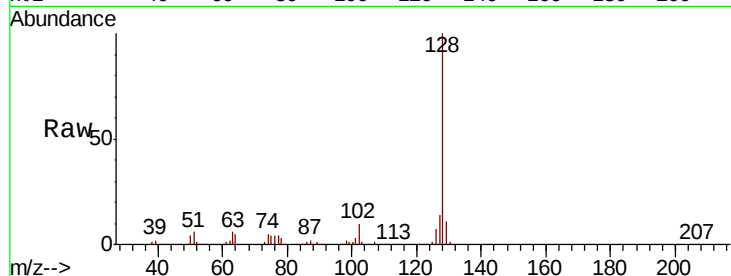




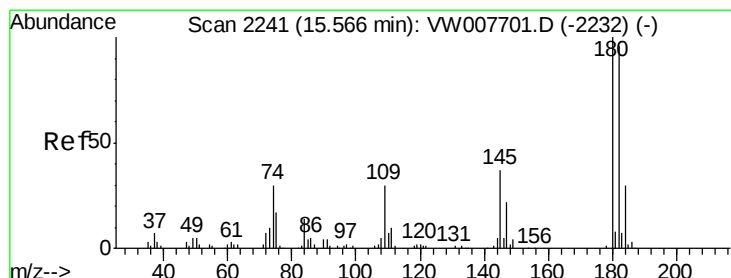
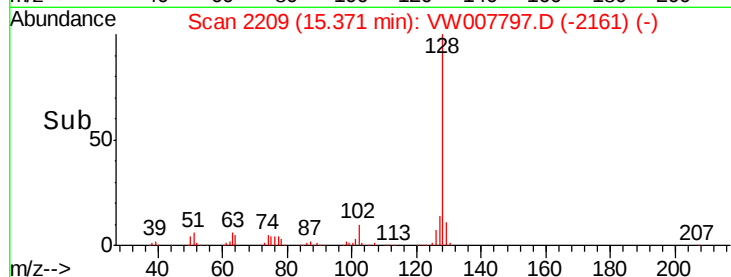
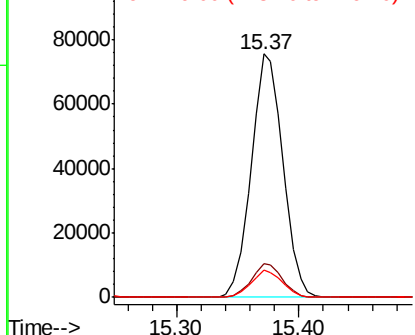
#95
Naphthalene
Concen: 59.547 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 136434
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.9 8.8 13.2

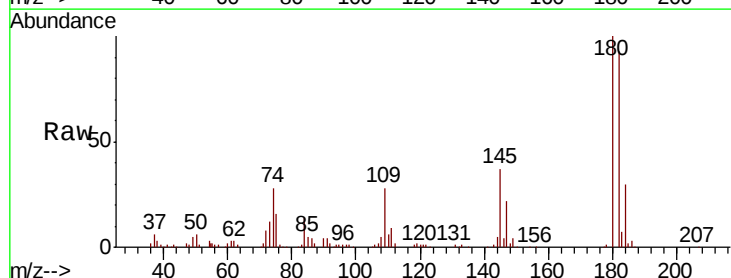


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 54.560 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007797.D
Acq: 21 Dec 2018 16:01

Tgt Ion:180 Resp: 57878
Ion Ratio Lower Upper
180 100
182 95.8 47.4 142.2
145 37.4 18.4 55.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

