

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007748.D
 Acq On : 20 Dec 2018 15:49
 Operator : SY/AP
 Sample : VW1222SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 03:51:22 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	74349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	116304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52684	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	38883	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
35) Dibromofluoromethane	7.88	113	35716	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.32	98	138421	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	51994	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	12993	19.658	ug/l 95
3) Chloromethane	2.21	50	8372	20.628	ug/l 95
4) Vinyl Chloride	2.36	62	10541	20.403	ug/l 90
5) Bromomethane	2.78	94	7277	20.222	ug/l 96
6) Chloroethane	2.92	64	5454	19.732	ug/l 93
7) Trichlorofluoromethane	3.25	101	10017	18.623	ug/l # 82
8) Diethyl Ether	3.67	74	6534	19.833	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	16203	20.454	ug/l 97
10) Methyl Iodide	4.26	142	25078	19.907	ug/l 99
11) Tert butyl alcohol	5.16	59	4528	82.370	ug/l 100
12) 1,1-Dichloroethene	4.03	96	14900	20.312	ug/l 96
13) Acrolein	3.89	56	3879	88.254	ug/l 99
14) Allyl chloride	4.66	41	19094	19.849	ug/l 98
15) Acrylonitrile	5.37	53	12366	87.992	ug/l 98
16) Acetone	4.12	43	13671	89.589	ug/l 92
17) Carbon Disulfide	4.37	76	45075	19.857	ug/l 97
18) Methyl Acetate	4.67	43	6200	17.084	ug/l 95
19) Methyl tert-butyl Ether	5.42	73	19462	18.481	ug/l 93
20) Methylene Chloride	4.92	84	17523	19.060	ug/l 93
21) trans-1,2-Dichloroethene	5.42	96	16150	20.018	ug/l 96
22) Diisopropyl ether	6.31	45	34591	19.204	ug/l 97
23) Vinyl Acetate	6.25	43	97245	90.871	ug/l 99
24) 1,1-Dichloroethane	6.20	63	26994	20.372	ug/l 96
25) 2-Butanone	7.17	43	15134	84.672	ug/l 94
26) 2,2-Dichloropropane	7.17	77	20241	20.875	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	17078	19.869	ug/l 98
28) Bromochloromethane	7.51	49	8308	18.389	ug/l 99
29) Tetrahydrofuran	7.52	42	9077	85.139	ug/l 99
30) Chloroform	7.67	83	30075	20.056	ug/l 99
31) Cyclohexane	7.95	56	24358	20.080	ug/l 96
32) 1,1,1-Trichloroethane	7.87	97	27489	20.128	ug/l 99
36) 1,1-Dichloropropene	8.08	75	23699	21.112	ug/l 99
37) Ethyl Acetate	7.25	43	7032	18.152	ug/l 98
38) Carbon Tetrachloride	8.06	117	26115	19.754	ug/l 99

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 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 03:51:22 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)
39) Methylcyclohexane	9.34	83	29160	20.905	ug/l	97
40) Benzene	8.32	78	61352	20.481	ug/l	98
41) Methacrylonitrile	7.48	41	4228	19.223	ug/l	95
42) 1,2-Dichloroethane	8.40	62	19519	19.444	ug/l	98
43) Isopropyl Acetate	8.42	43	13125	16.910	ug/l	97
44) Trichloroethene	9.09	130	18617	20.551	ug/l	92
45) 1,2-Dichloropropane	9.37	63	13809	20.776	ug/l	100
46) Dibromomethane	9.46	93	7801	19.066	ug/l	97
47) Bromodichloromethane	9.65	83	20951	19.478	ug/l	100
48) Methyl methacrylate	9.43	41	6541	16.884	ug/l	98
49) 1,4-Dioxane	9.45	88	2504	386.007	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	30882	84.192	ug/l	100
52) Toluene	10.39	92	40717	20.260	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	20530	19.189	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	22605	19.128	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	10867	19.266	ug/l	98
56) Ethyl methacrylate	10.65	69	11554	17.337	ug/l	98
57) 1,3-Dichloropropane	10.93	76	17550	18.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	29156	95.821	ug/l	98
59) 2-Hexanone	10.97	43	22082	85.601	ug/l	97
60) Dibromochloromethane	11.13	129	13823	18.509	ug/l	96
61) 1,2-Dibromoethane	11.24	107	10344	18.109	ug/l	100
64) Tetrachloroethene	10.87	164	15529	21.663	ug/l	95
65) Chlorobenzene	11.66	112	45499	20.765	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	16327	20.854	ug/l	98
67) Ethyl Benzene	11.73	91	81408	21.651	ug/l	99
68) m/p-Xylenes	11.84	106	63788	43.734	ug/l	99
69) o-Xylene	12.17	106	29471	21.556	ug/l	98
70) Styrene	12.18	104	48048	21.379	ug/l	99
71) Bromoform	12.35	173	7630	18.773	ug/l #	99
73) Isopropylbenzene	12.47	105	83397	20.942	ug/l	100
74) N-amyl acetate	12.27	43	12261	17.775	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	11172	18.711	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	15809	38.824	ug/l #	100
77) Bromobenzene	12.75	156	18629	20.412	ug/l	97
78) n-propylbenzene	12.80	91	99577	21.481	ug/l	99
79) 2-Chlorotoluene	12.90	91	57013	21.112	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	73243	21.322	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3397	17.511	ug/l	95
82) 4-Chlorotoluene	12.99	91	60998	21.214	ug/l	98
83) tert-Butylbenzene	13.21	119	65439	21.712	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	74628	21.531	ug/l	100
85) sec-Butylbenzene	13.39	105	90246	21.726	ug/l	100
86) p-Isopropyltoluene	13.50	119	81137	21.481	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	38361	21.170	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	38218	21.085	ug/l	99
89) n-Butylbenzene	13.83	91	75661	21.847	ug/l	98
90) Hexachloroethane	14.10	117	14094	21.254	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	33120	20.414	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2090	17.045	ug/l	95

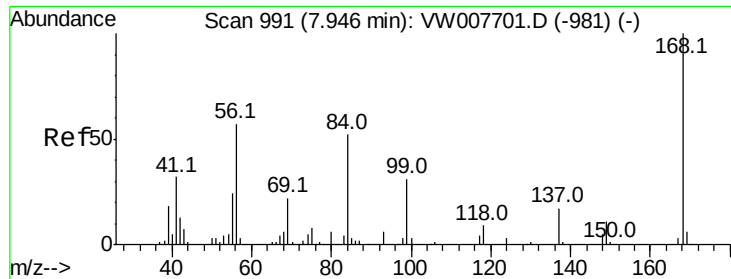
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122218\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	22840	20.281	ug/l	99
94) Hexachlorobutadiene	15.24	225	12936	21.494	ug/l	100
95) Naphthalene	15.37	128	39693	19.064	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	19494	20.222	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

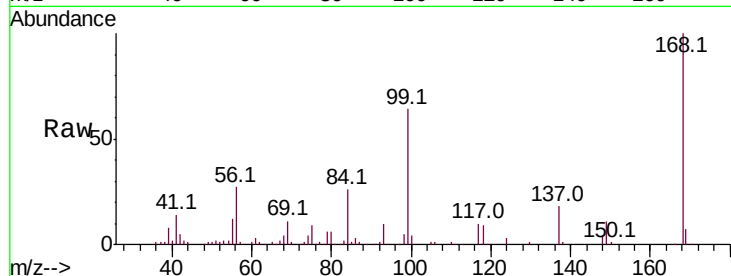
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 74349

Ion Ratio Lower Upper

168 100

99 63.7 54.0 81.0

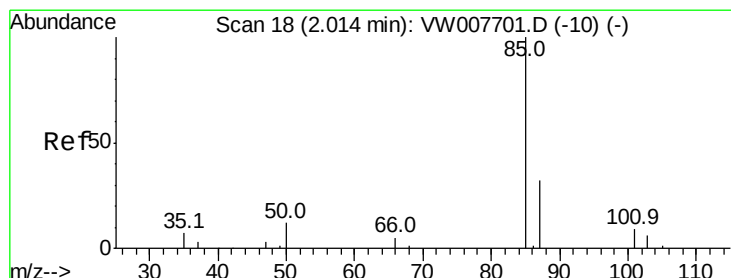
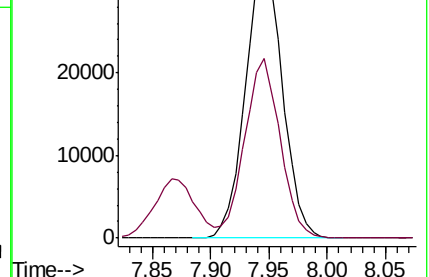
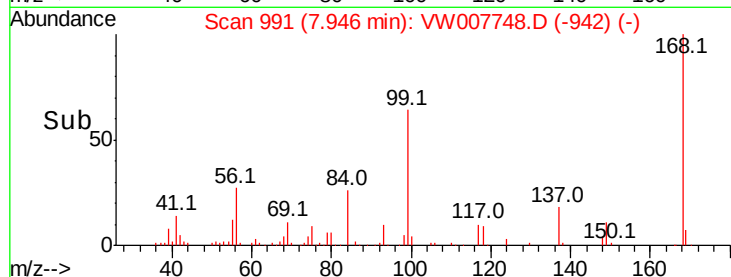


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

Time-->



#2

Dichlorodifluoromethane

Concen: 19.658 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007748.D

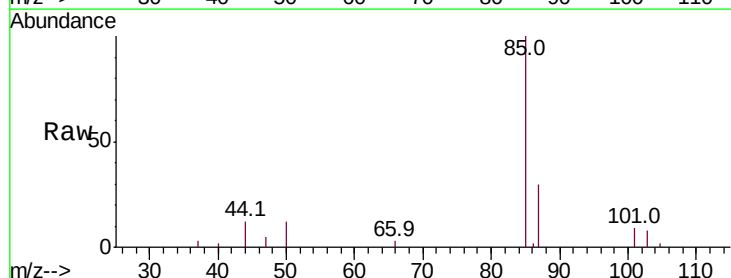
Acq: 20 Dec 2018 15:49

Tgt Ion: 85 Resp: 12993

Ion Ratio Lower Upper

85 100

87 29.9 16.3 48.8

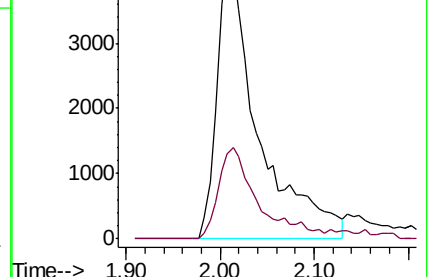
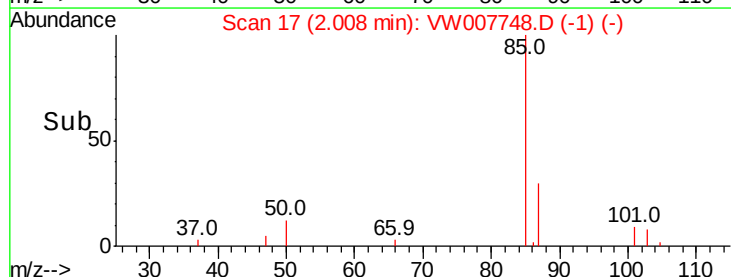


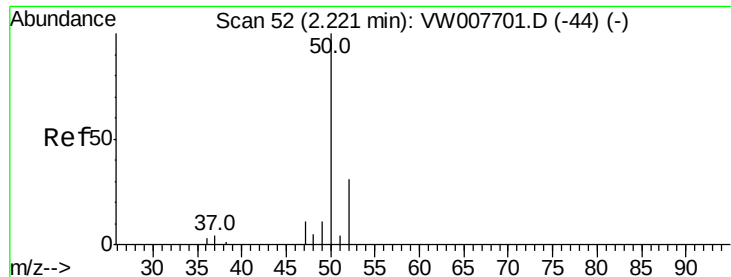
Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

Time-->





#3

Chloromethane

Concen: 20.628 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

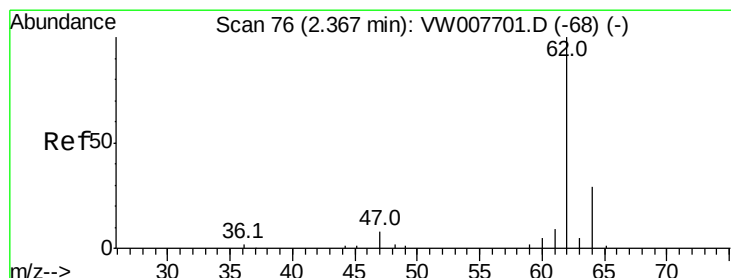
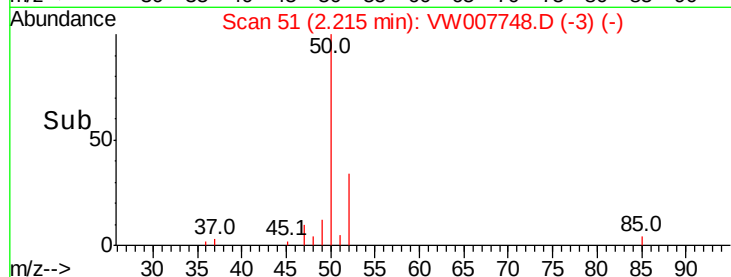
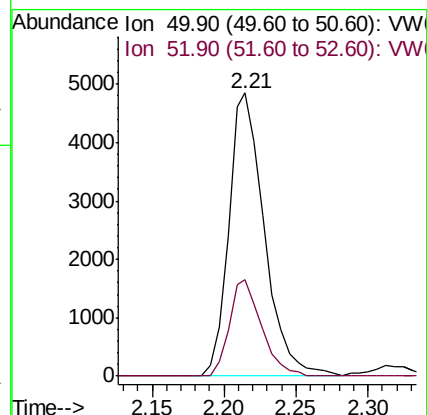
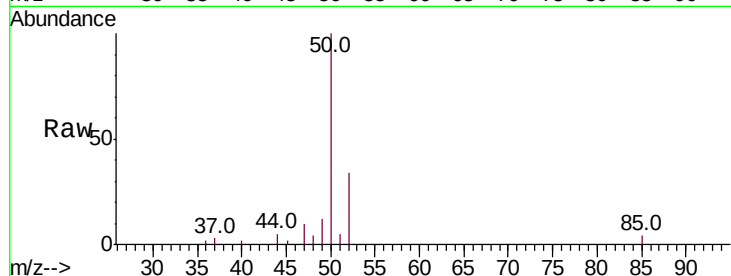
ClientSampleId :

Tot Ion: 50 Resp: 8372

Ion Ratio Lower Upper

50 100

52 34.3 25.1 37.7



#4

Vinyl Chloride

Concen: 20.403 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007748.D

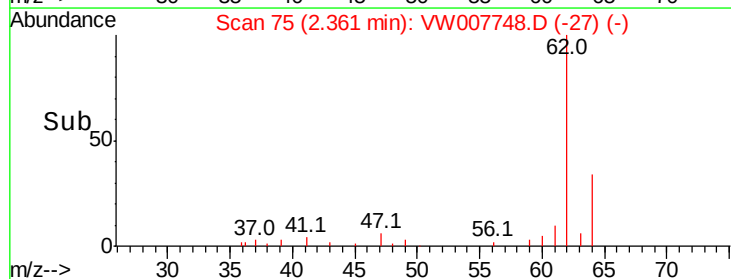
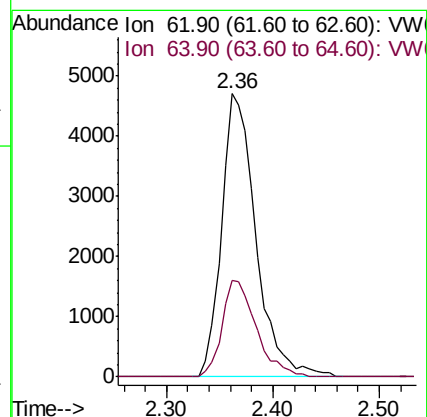
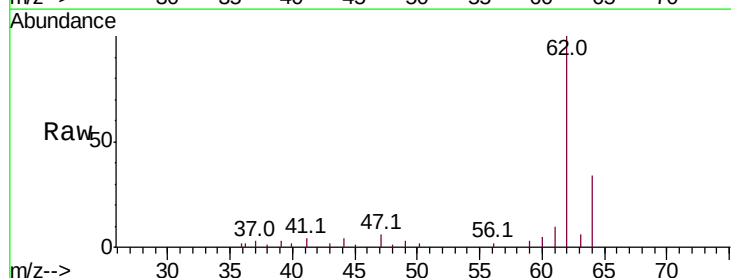
Acq: 20 Dec 2018 15:49

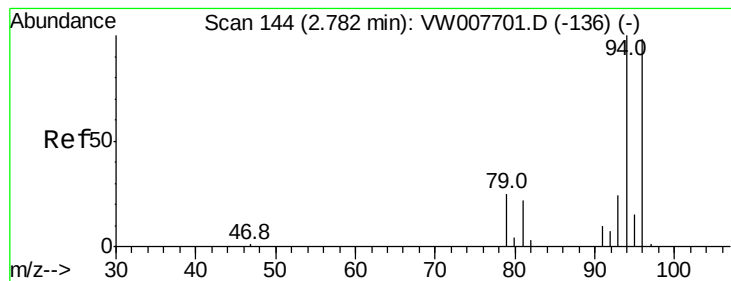
Tgt Ion: 62 Resp: 10541

Ion Ratio Lower Upper

62 100

64 34.3 23.4 35.0





#5

Bromomethane

Concen: 20.222 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

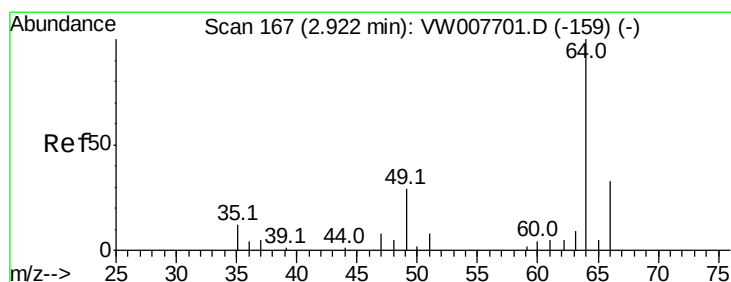
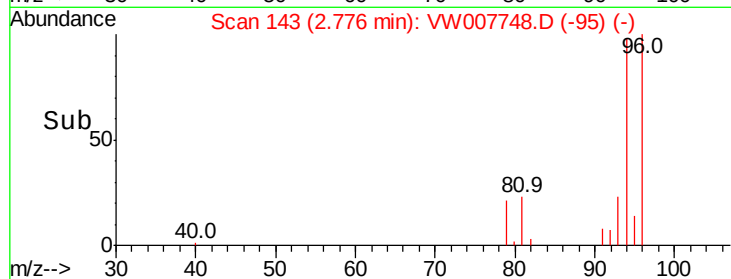
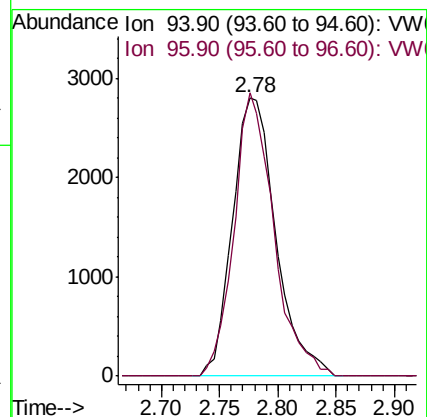
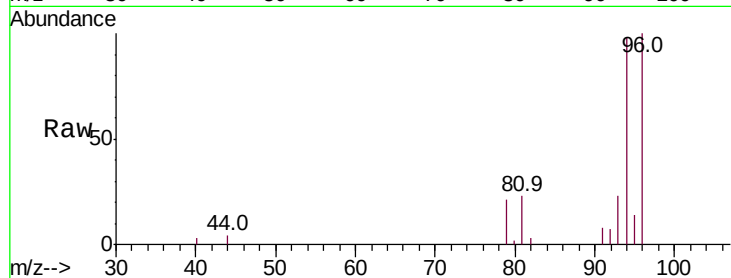
ClientSampleId :

Tot Ion: 94 Resp: 7277

Ion Ratio Lower Upper

94 100

96 101.7 78.2 117.2



#6

Chloroethane

Concen: 19.732 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007748.D

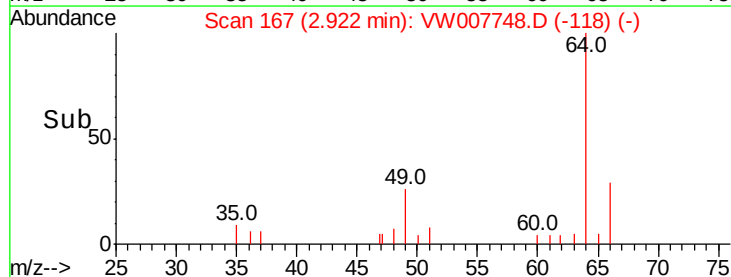
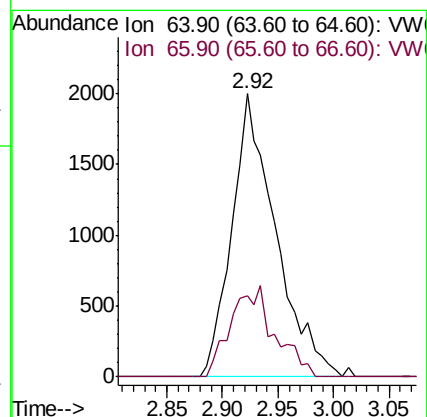
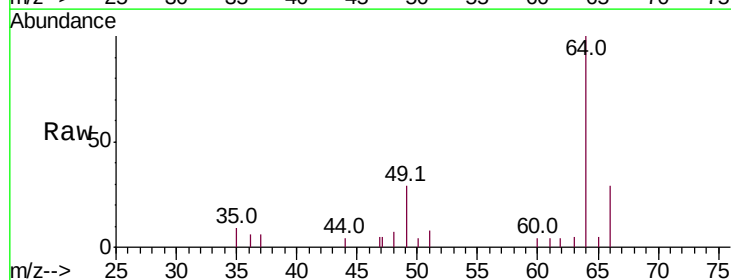
Acq: 20 Dec 2018 15:49

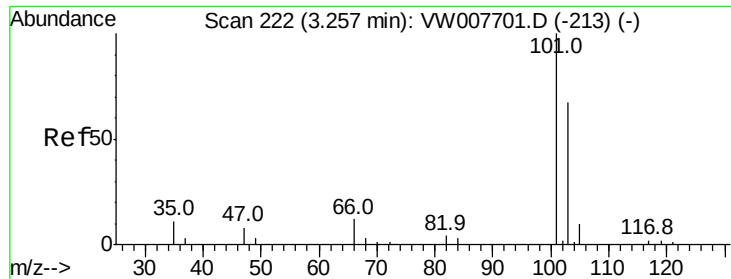
Tgt Ion: 64 Resp: 5454

Ion Ratio Lower Upper

64 100

66 28.8 26.2 39.4



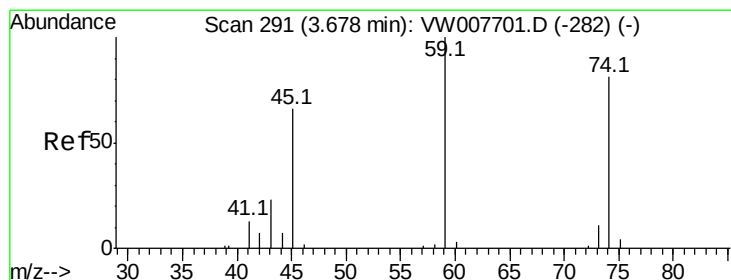
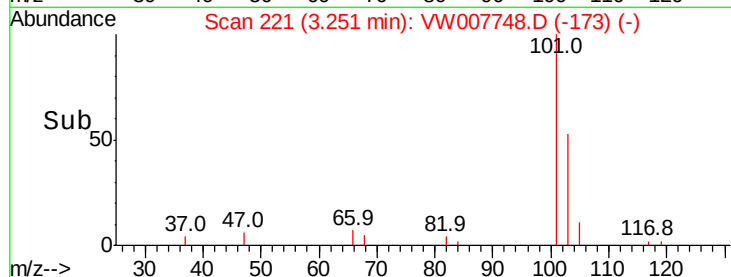
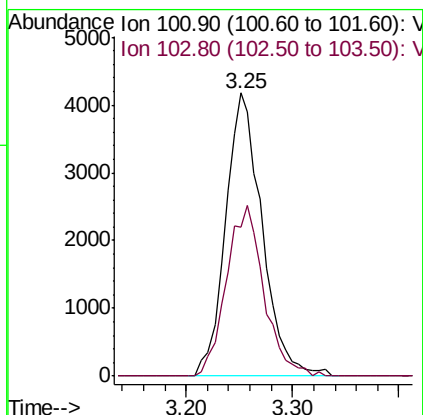
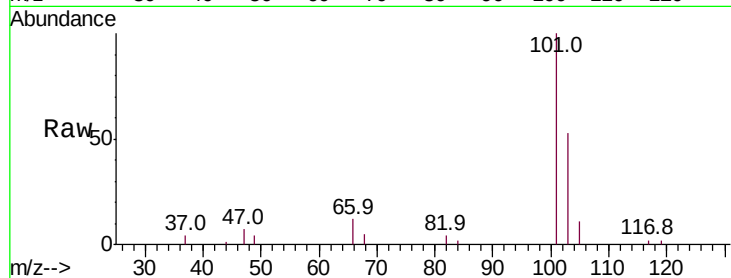


#7

Trichlorofluoromethane
Concen: 18.623 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :

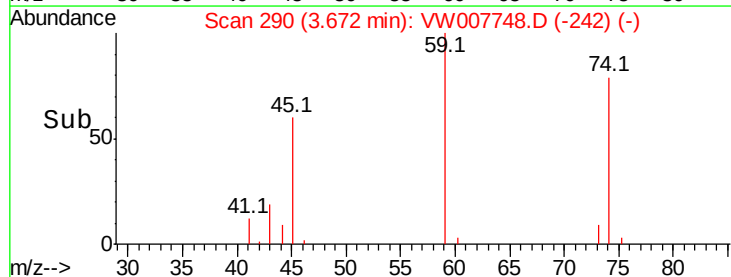
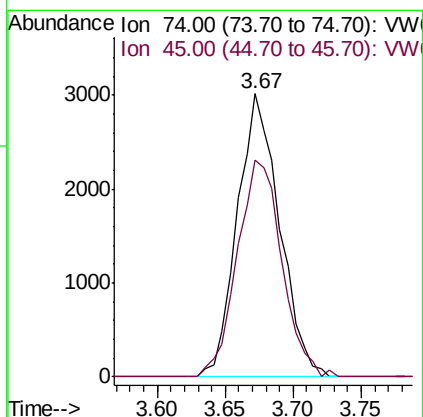
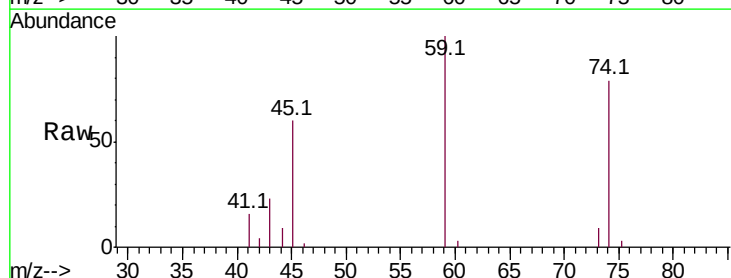
Tot Ion:101 Resp: 10017
Ion Ratio Lower Upper
101 100
103 52.7 53.4 80.2#

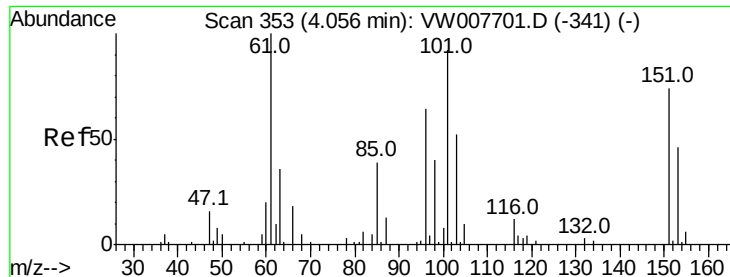


#8

Diethyl Ether
Concen: 19.833 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 74 Resp: 6534
Ion Ratio Lower Upper
74 100
45 81.0 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.454 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampled :

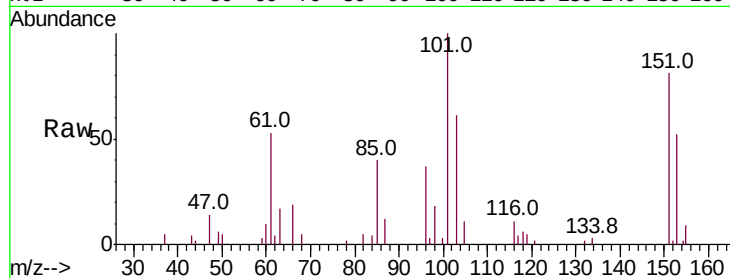
Tot Ion:101 Resp: 16203

Ion Ratio Lower Upper

101 100

85 41.4 34.3 51.5

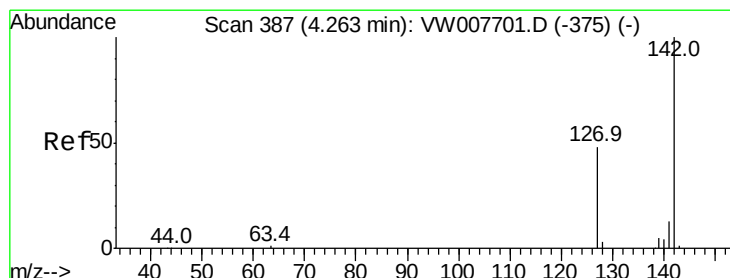
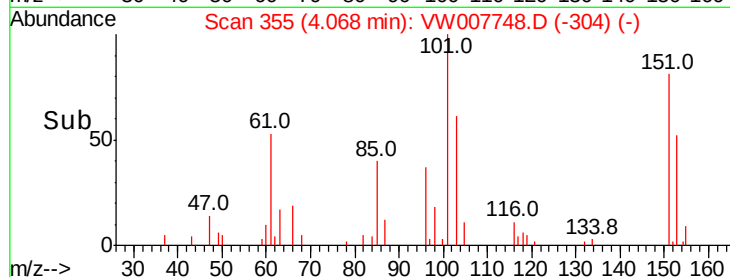
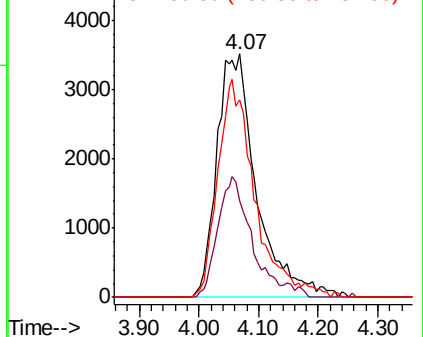
151 83.6 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VV

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.907 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

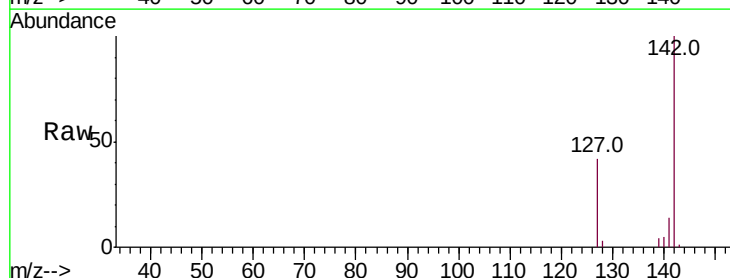
Tgt Ion:142 Resp: 25078

Ion Ratio Lower Upper

142 100

127 46.7 37.7 56.5

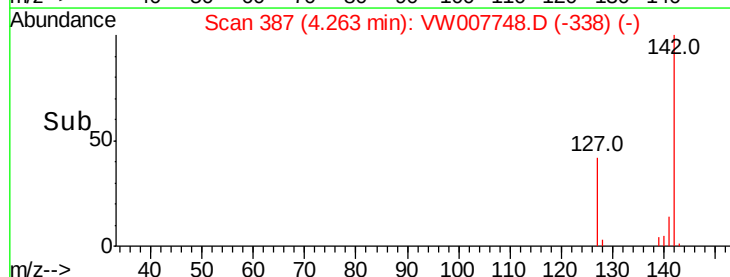
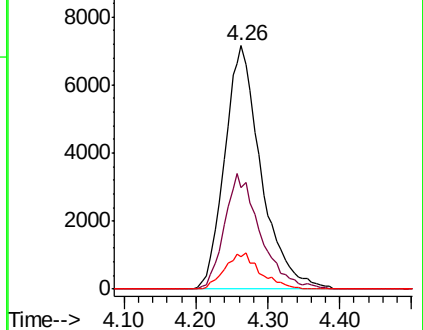
141 14.5 11.5 17.3

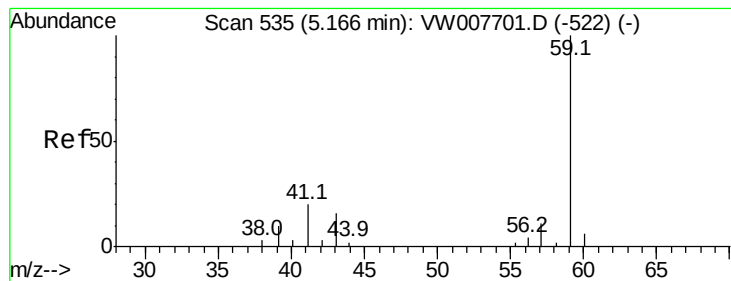


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



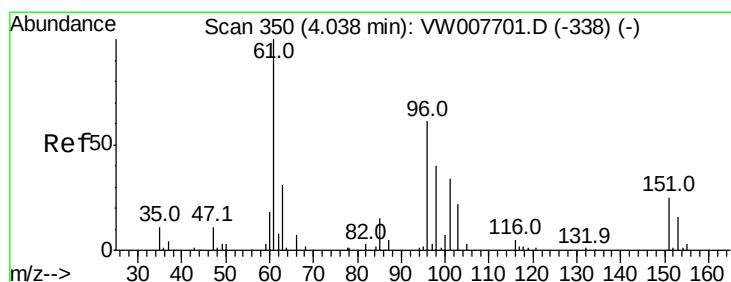
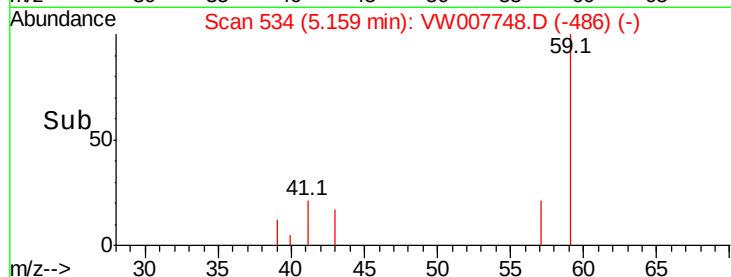
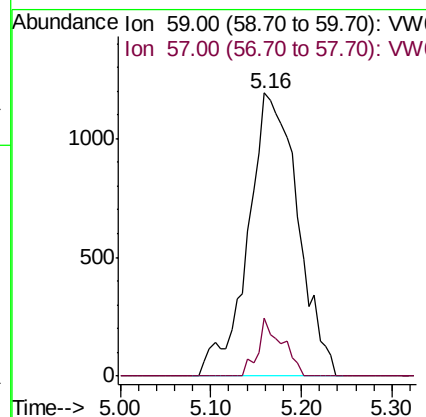
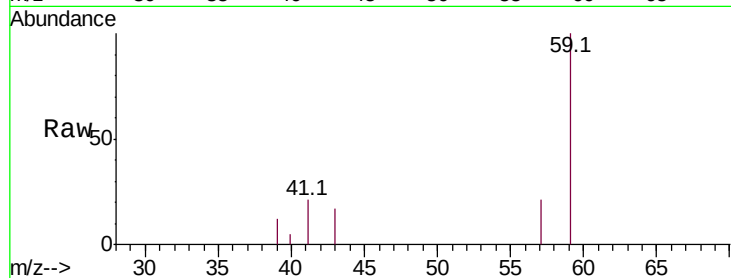


#11

Tert butyl alcohol
 Concen: 82.370 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampled :

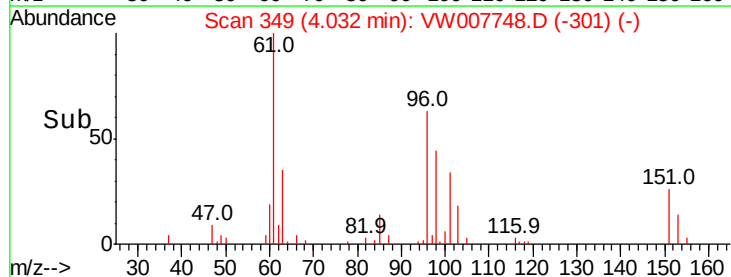
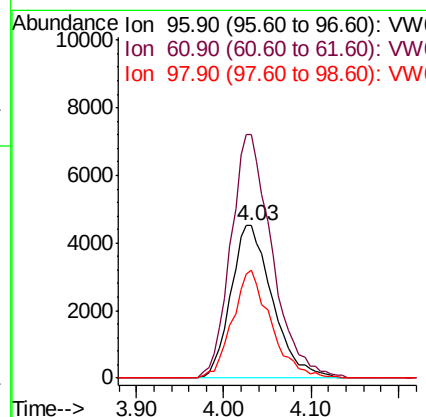
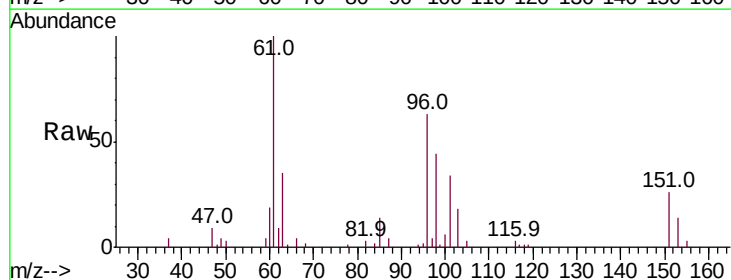
Tot Ion: 59 Resp: 4528
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.8

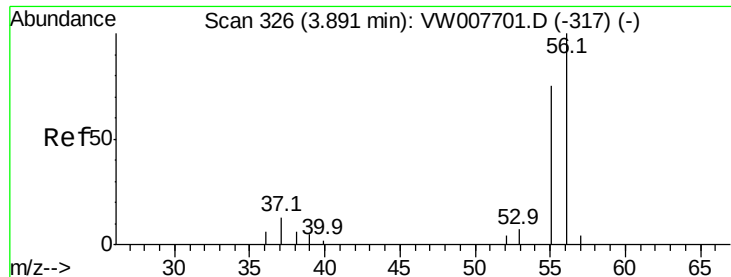


#12

1,1-Dichloroethene
 Concen: 20.312 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion: 96 Resp: 14900
 Ion Ratio Lower Upper
 96 100
 61 159.8 130.6 195.8
 98 70.8 52.3 78.5





#13

Acrolein

Concen: 88.254 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

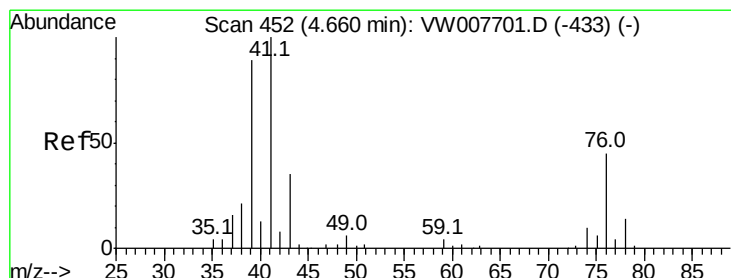
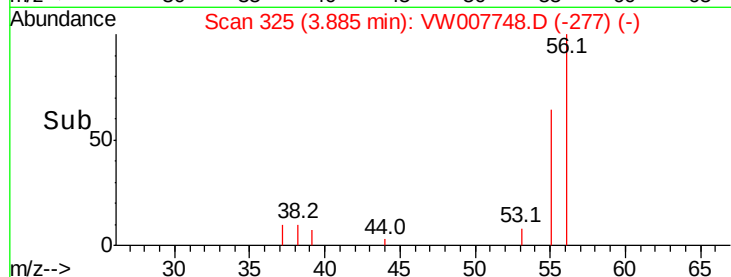
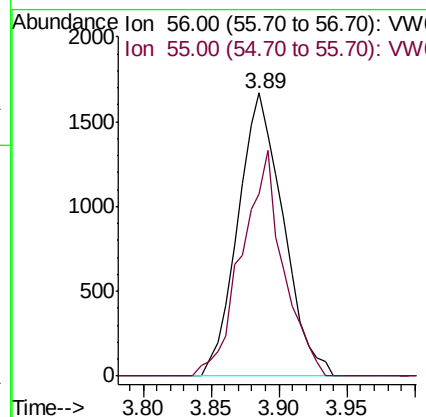
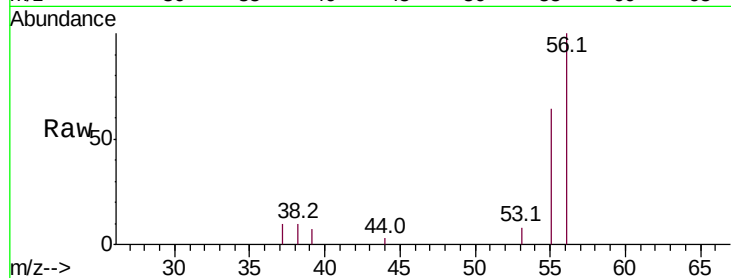
ClientSampleId :

Tot Ion: 56 Resp: 3879

Ion Ratio Lower Upper

56 100

55 73.0 57.7 86.5



#14

Allyl chloride

Concen: 19.849 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

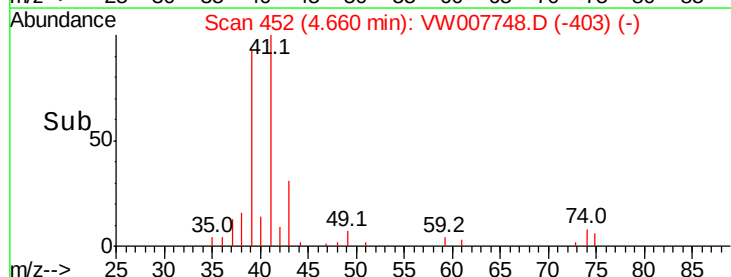
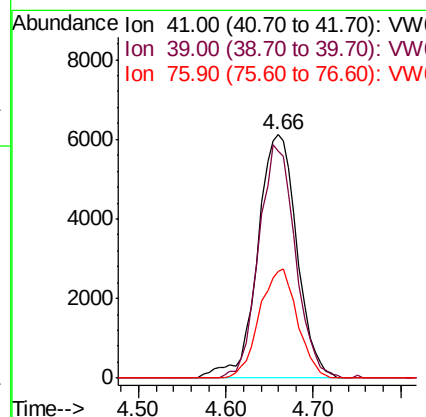
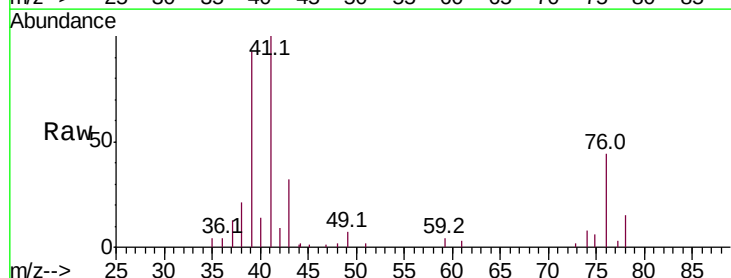
Tgt Ion: 41 Resp: 19094

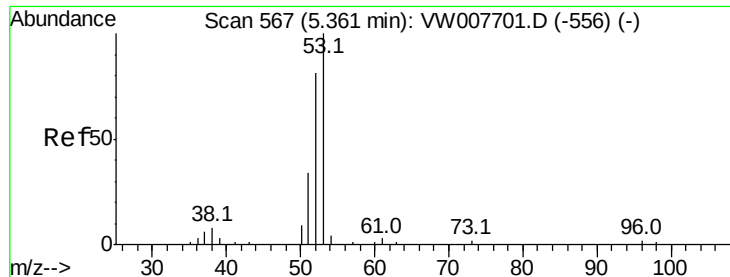
Ion Ratio Lower Upper

41 100

39 89.6 69.5 104.3

76 43.3 34.8 52.2





#15

Acrylonitrile

Concen: 87.992 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampled :

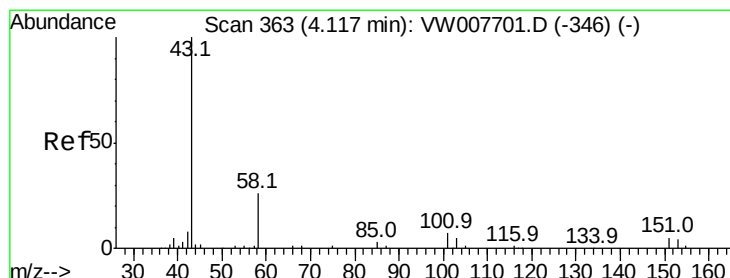
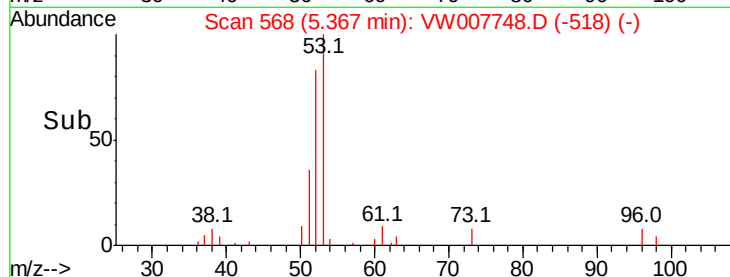
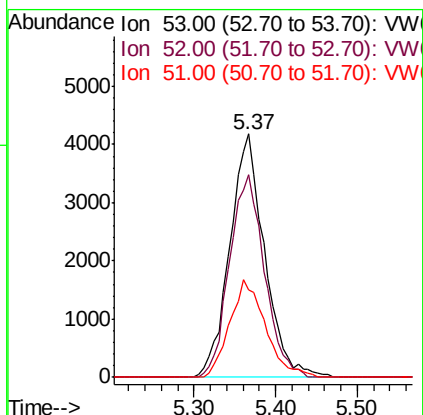
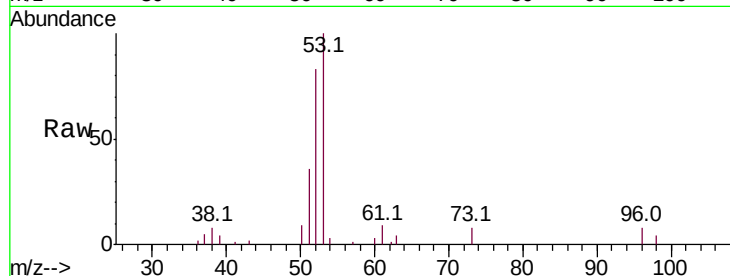
Tot Ion: 53 Resp: 12366

Ion Ratio Lower Upper

53 100

52 83.1 67.0 100.4

51 41.0 30.2 45.2



#16

Acetone

Concen: 89.589 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007748.D

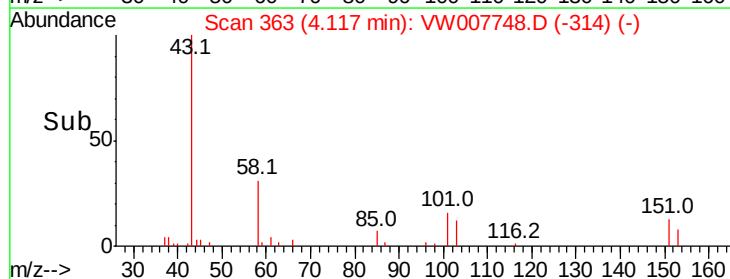
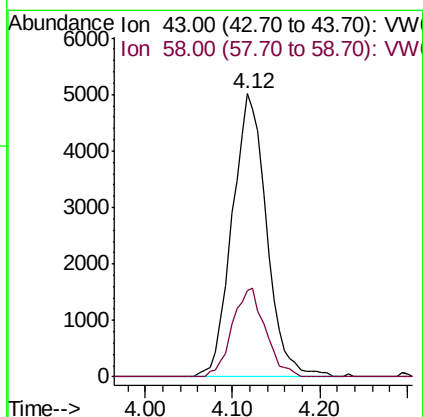
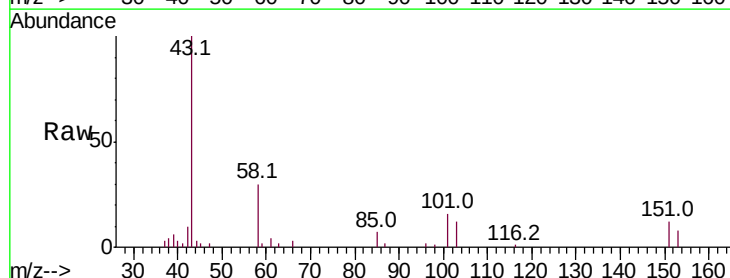
Acq: 20 Dec 2018 15:49

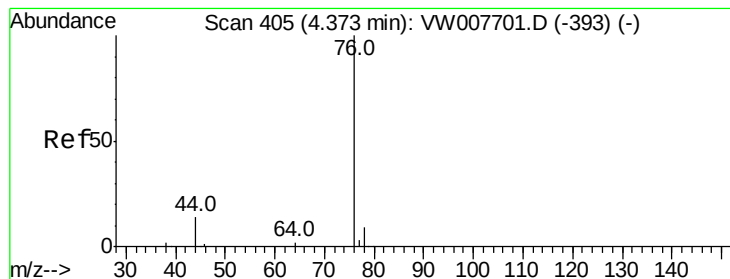
Tgt Ion: 43 Resp: 13671

Ion Ratio Lower Upper

43 100

58 30.4 21.2 31.8





#17

Carbon Disulfide

Concen: 19.857 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

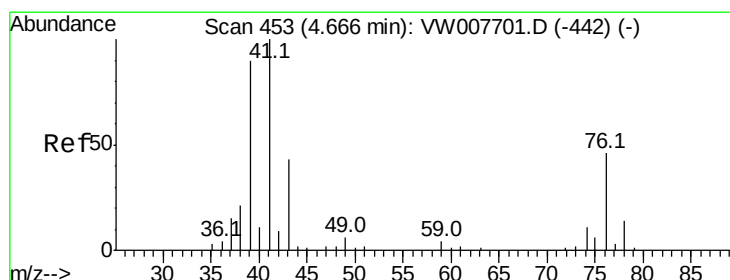
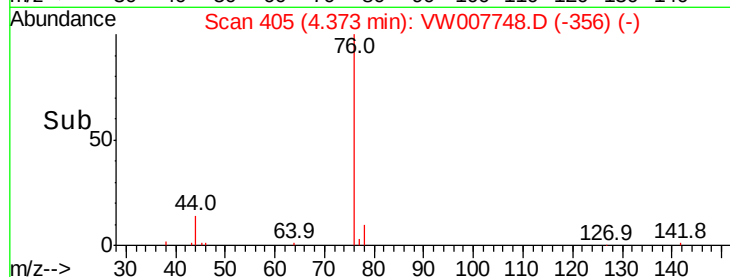
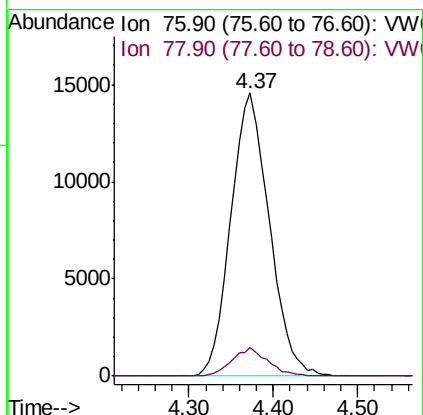
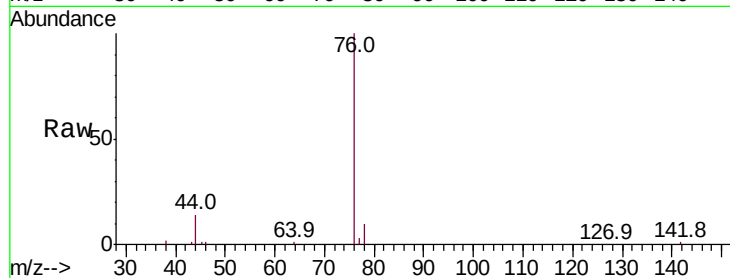
ClientSampleId :

Tot Ion: 76 Resp: 45075

Ion Ratio Lower Upper

76 100

78 10.3 7.3 10.9



#18

Methyl Acetate

Concen: 17.084 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007748.D

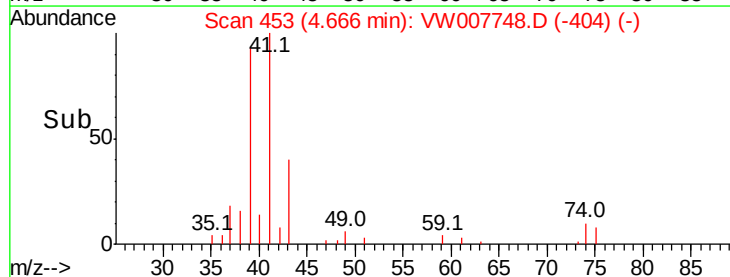
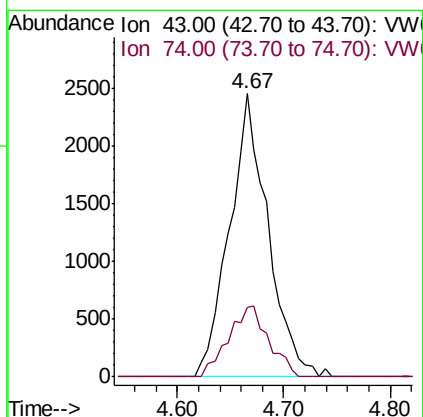
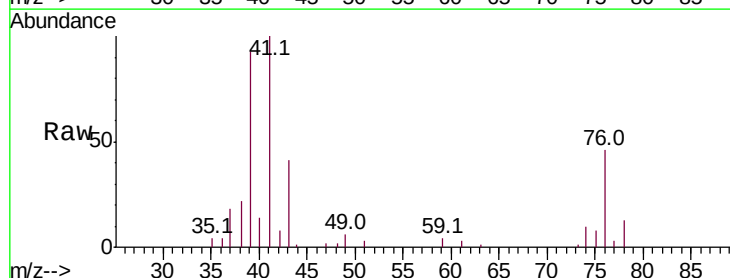
Acq: 20 Dec 2018 15:49

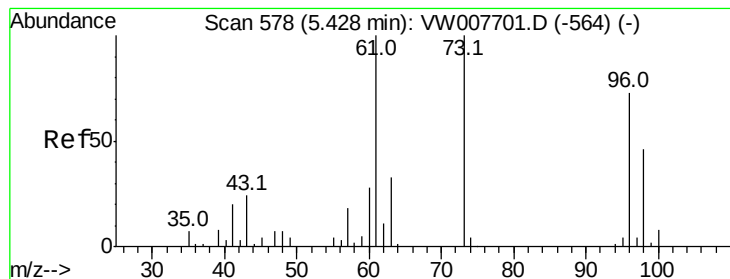
Tgt Ion: 43 Resp: 6200

Ion Ratio Lower Upper

43 100

74 26.0 22.7 34.1



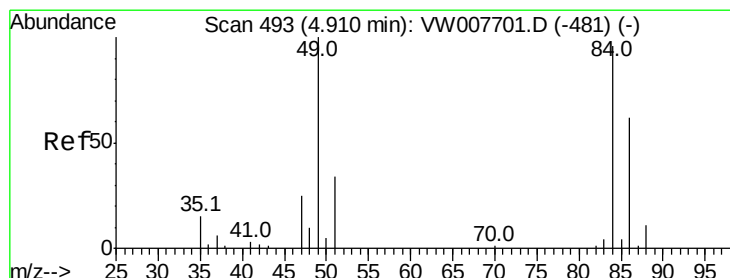
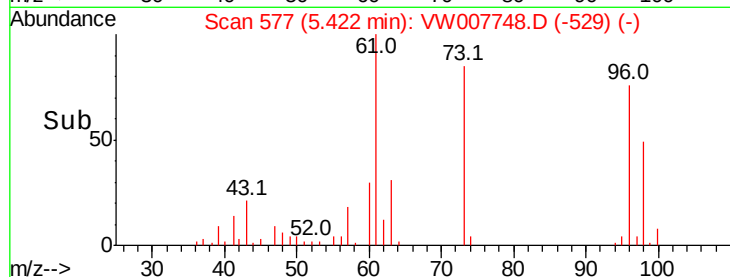
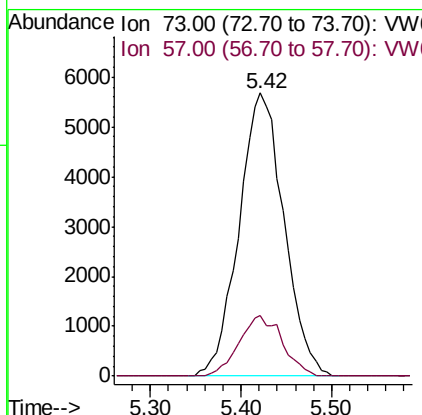
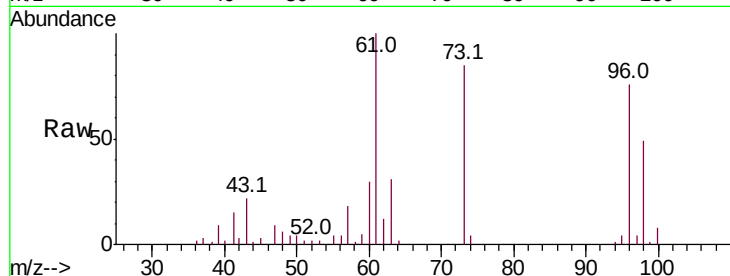


#19

Methyl tert-butyl Ether
 Concen: 18.481 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampled :

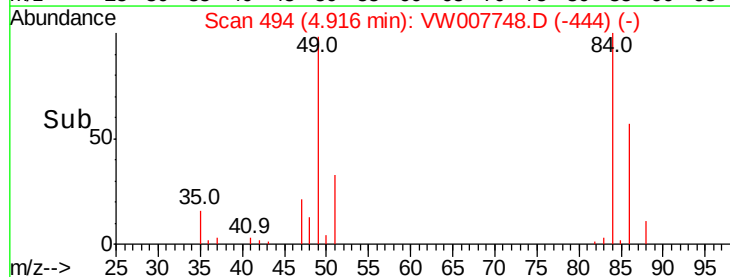
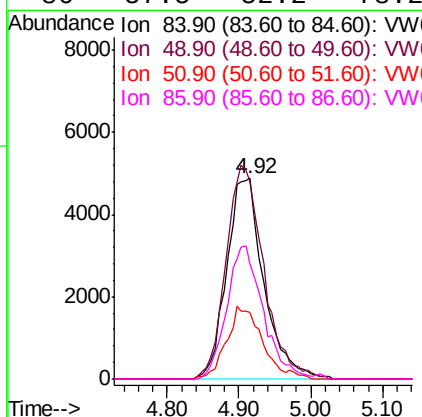
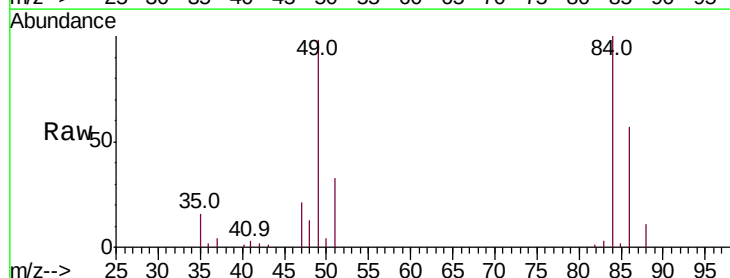
Tot Ion: 73 Resp: 19462
 Ion Ratio Lower Upper
 73 100
 57 21.5 14.7 22.1

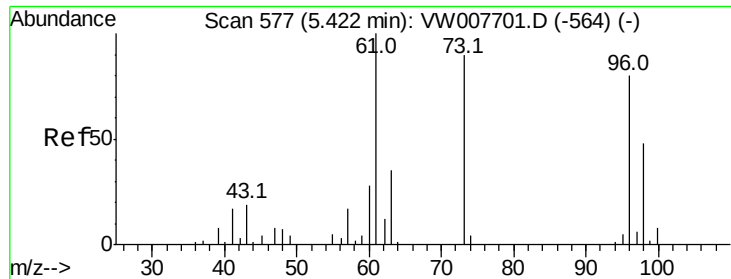


#20

Methylene Chloride
 Concen: 19.060 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion: 84 Resp: 17523
 Ion Ratio Lower Upper
 84 100
 49 98.1 83.7 125.5
 51 33.1 28.2 42.2
 86 57.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 20.018 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

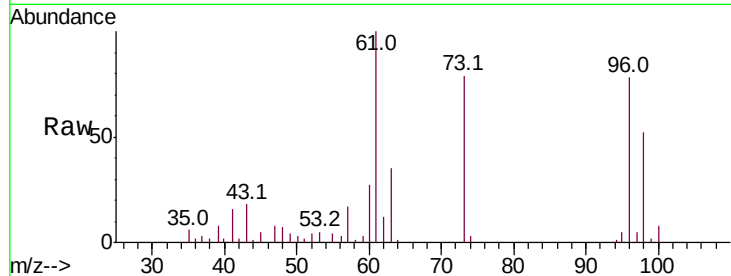
Tot Ion: 96 Resp: 16150

Ion Ratio Lower Upper

96 100

61 128.3 100.1 150.1

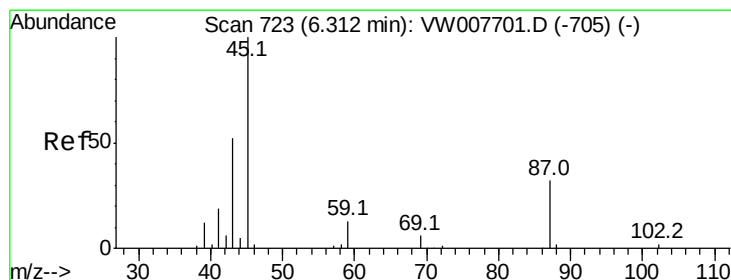
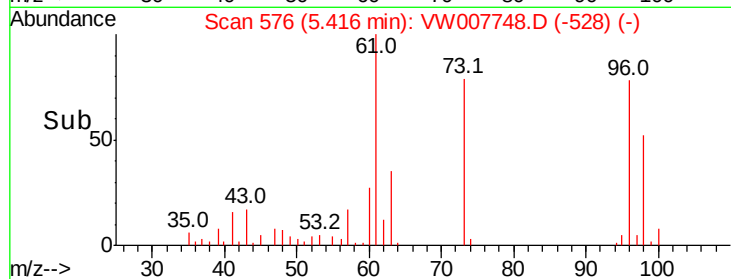
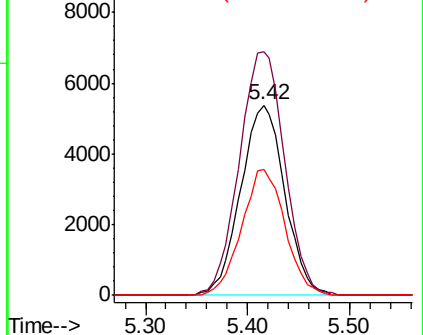
98 66.4 48.5 72.7



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: 19.204 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion: 45 Resp: 34591

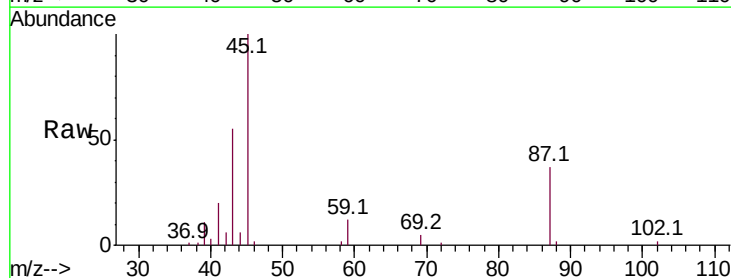
Ion Ratio Lower Upper

45 100

43 53.8 43.7 65.5

87 36.5 26.6 40.0

59 12.2 10.2 15.2

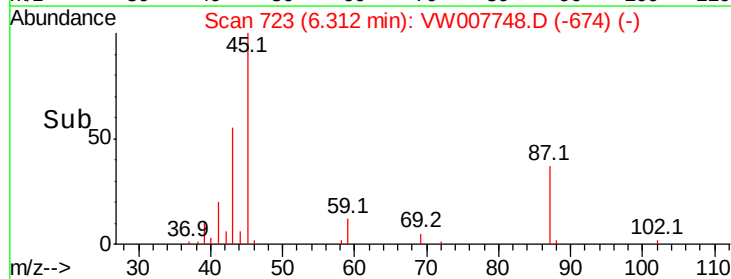
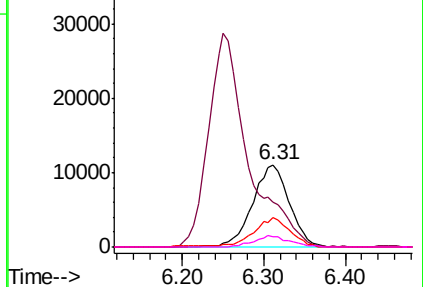


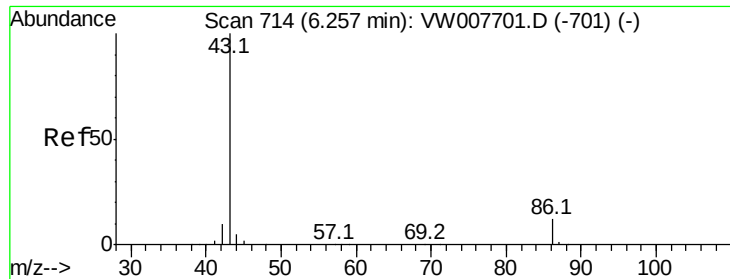
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 90.871 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

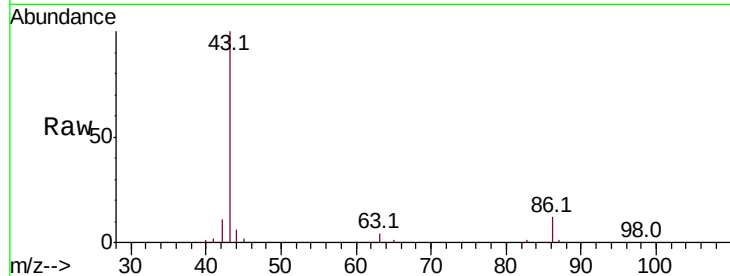
ClientSampleId :

Tot Ion: 43 Resp: 97245

Ion Ratio Lower Upper

43 100

86 11.8 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

30000

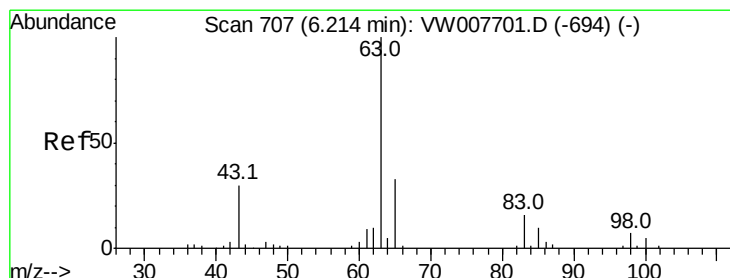
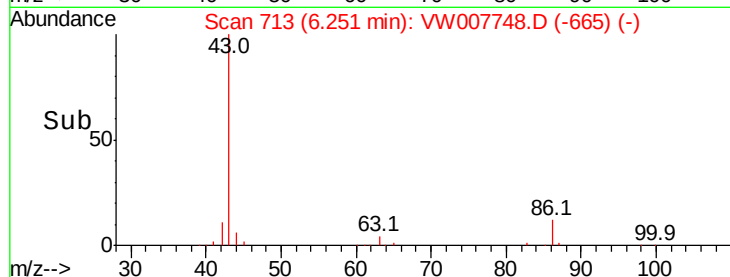
20000

10000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 20.372 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

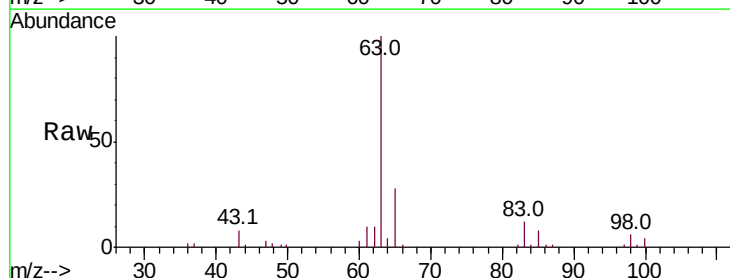
Tgt Ion: 63 Resp: 26994

Ion Ratio Lower Upper

63 100

98 6.0 3.6 10.9

100 3.7 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

12000

10000

8000

6000

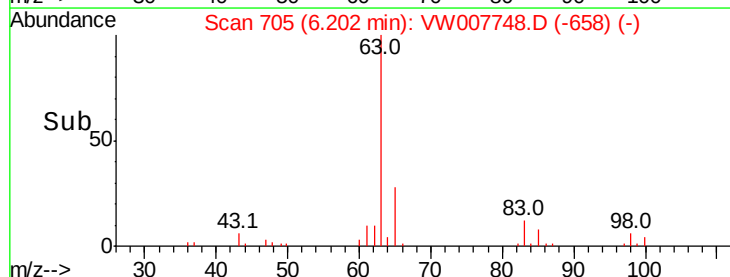
4000

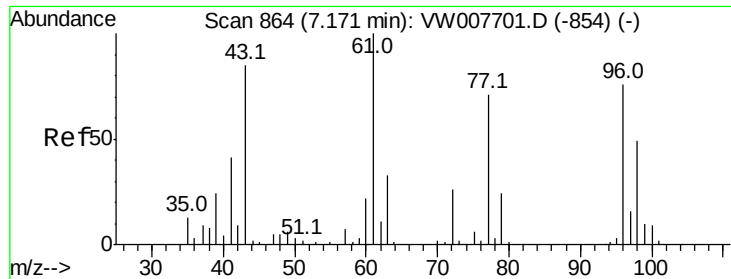
2000

0

6.10 6.20 6.30

Time-->

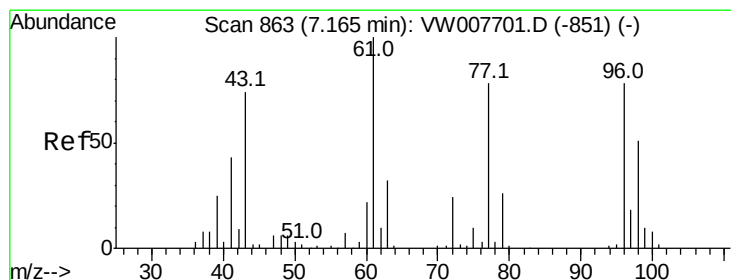
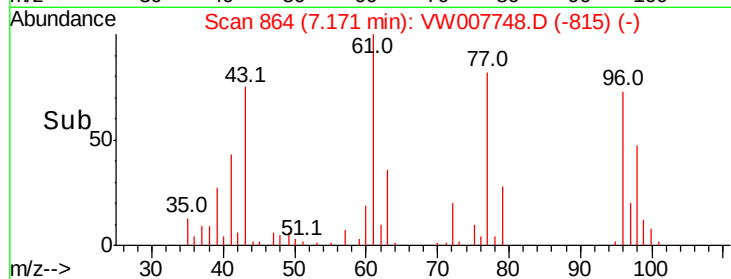
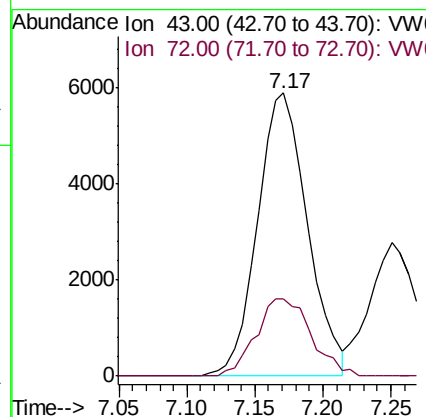
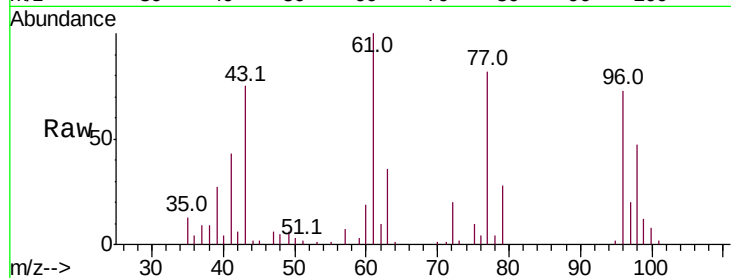




#25
2-Butanone
Concen: 84.672 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

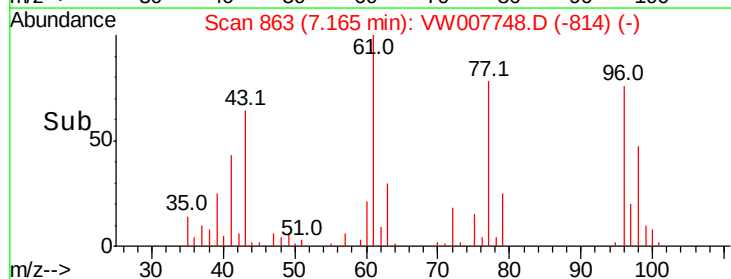
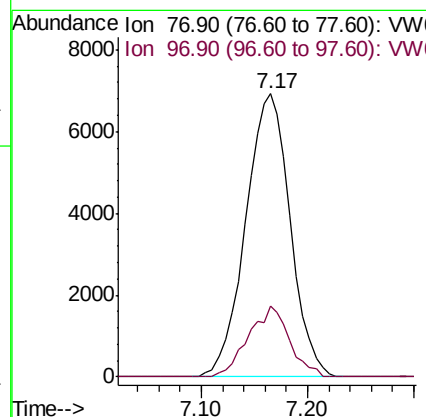
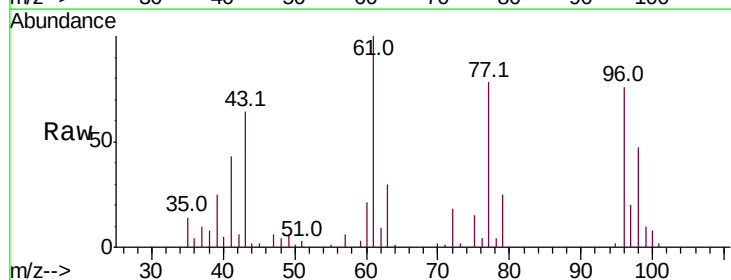
Instrument :
MSVOA_W
ClientSampleId :

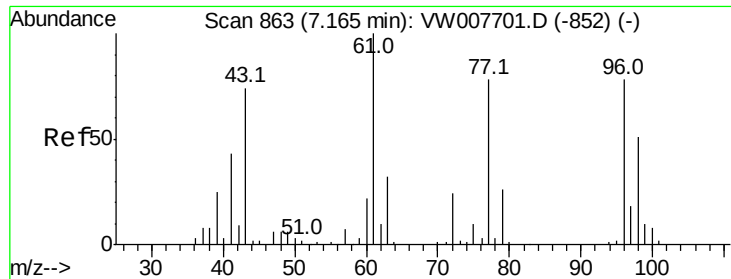
Tot Ion: 43 Resp: 15134
Ion Ratio Lower Upper
43 100
72 27.3 24.5 36.7



#26
2,2-Dichloropropane
Concen: 20.875 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 77 Resp: 20241
Ion Ratio Lower Upper
77 100
97 23.1 11.3 33.9



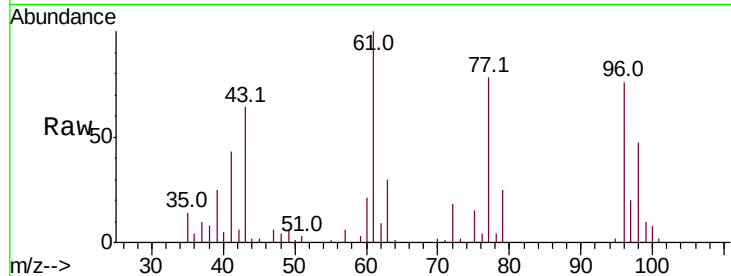


#27

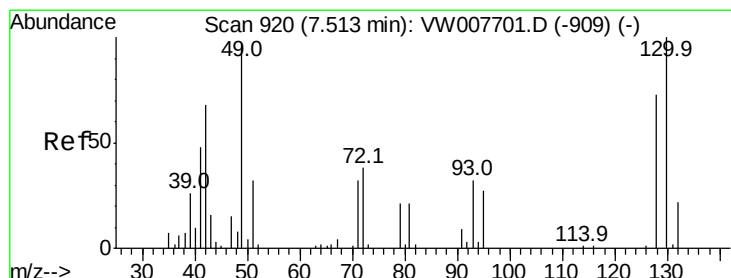
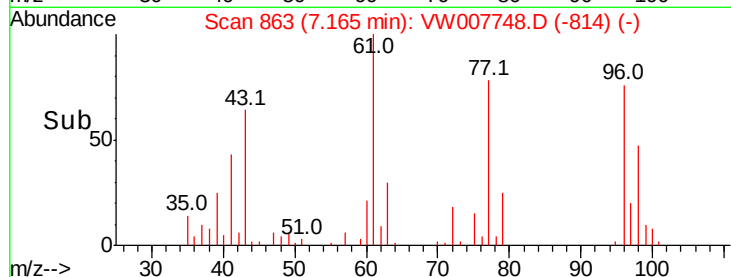
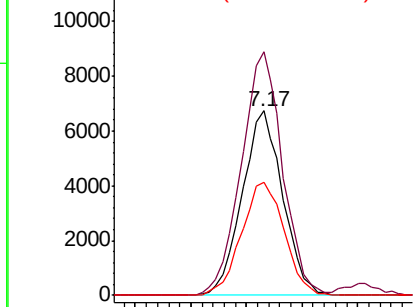
cis-1,2-Dichloroethene
 Concen: 19.869 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 17078
 Ion Ratio Lower Upper
 96 100
 61 133.7 0.0 271.6
 98 64.2 0.0 131.2



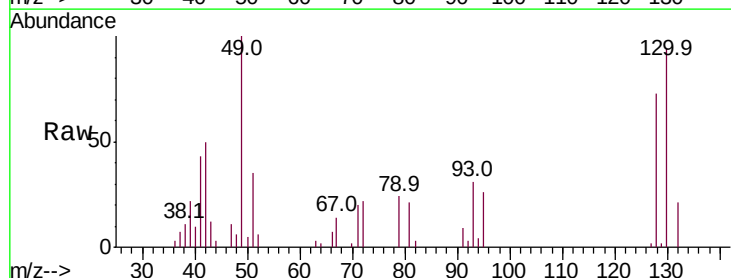
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



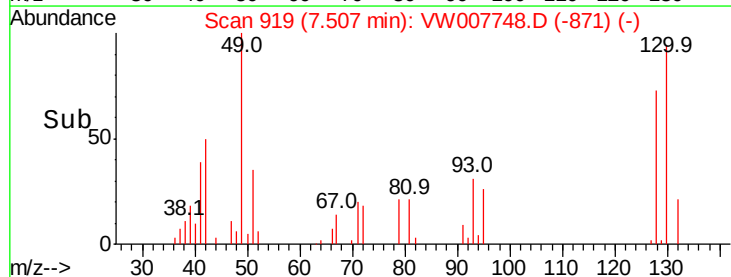
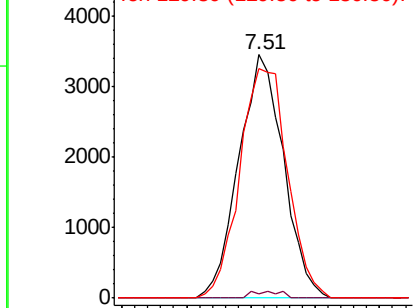
#28

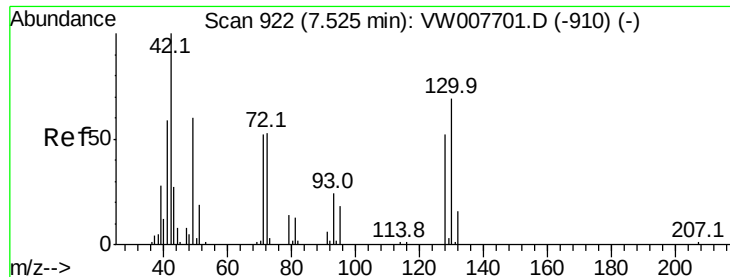
Bromochloromethane
 Concen: 18.389 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion: 49 Resp: 8308
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.2
 130 100.7 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

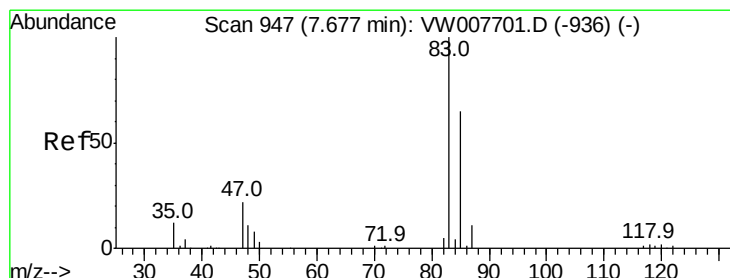
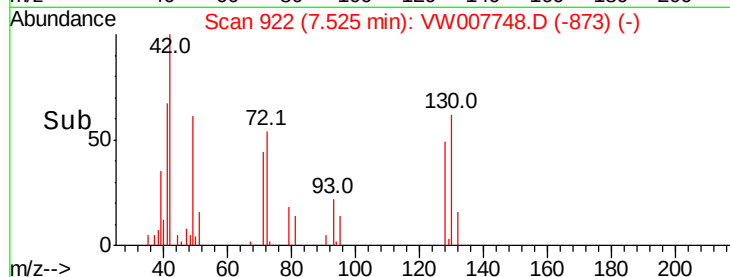
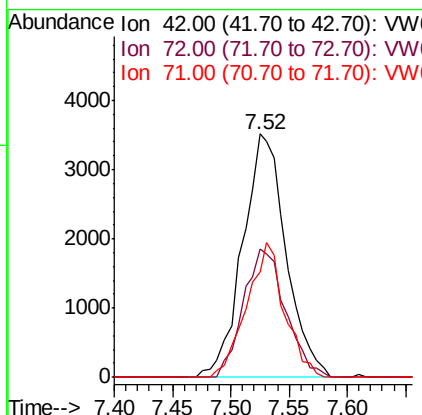
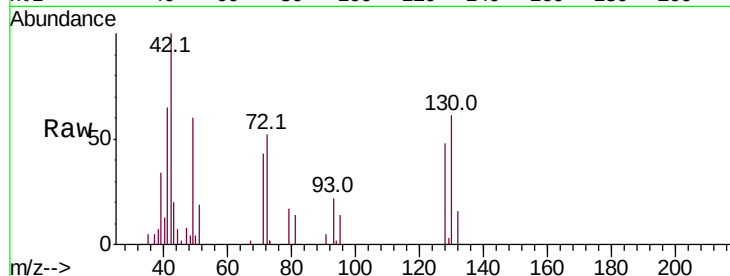




#29
Tetrahydrofuran
Concen: 85.139 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

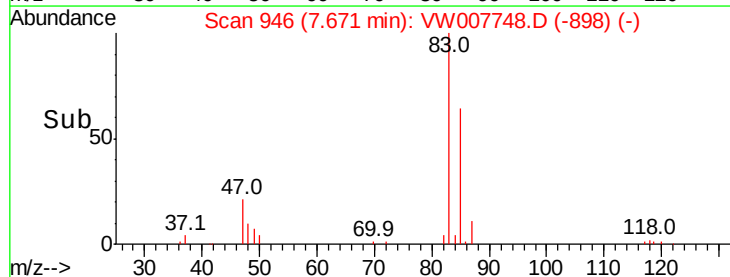
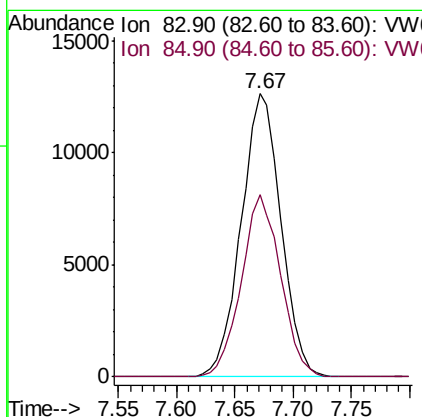
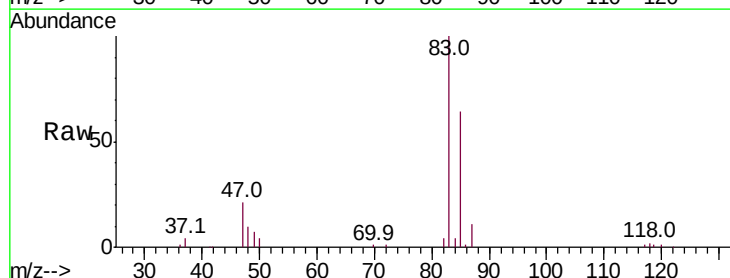
Instrument :
MSVOA_W
ClientSampleId :

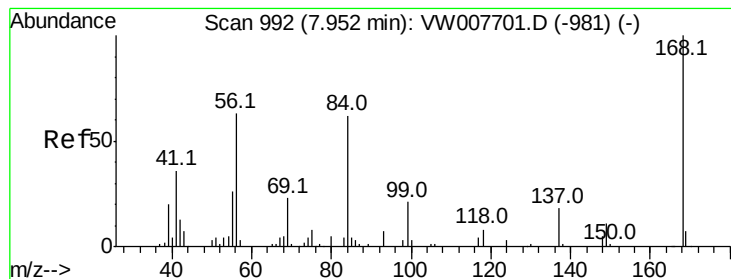
Tot Ion: 42 Resp: 9077
Ion Ratio Lower Upper
42 100
72 51.3 41.7 62.5
71 48.2 39.0 58.6



#30
Chloroform
Concen: 20.056 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 83 Resp: 30075
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.2





#31

Cyclohexane

Concen: 20.080 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

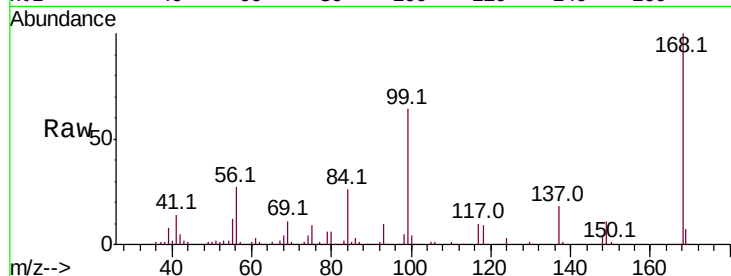
Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 24358

Ion	Ratio	Lower	Upper
56	100		
69	41.7	29.7	44.5
84	95.6	78.9	118.3

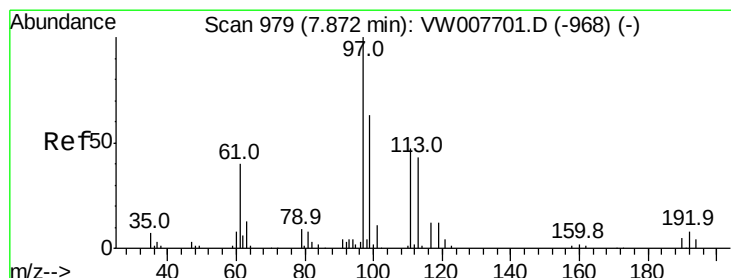
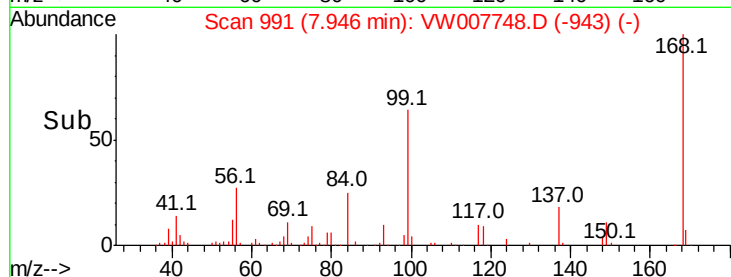
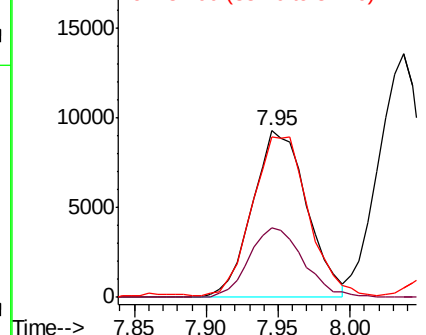


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 20.128 ug/l

RT: 7.87 min Scan# 978

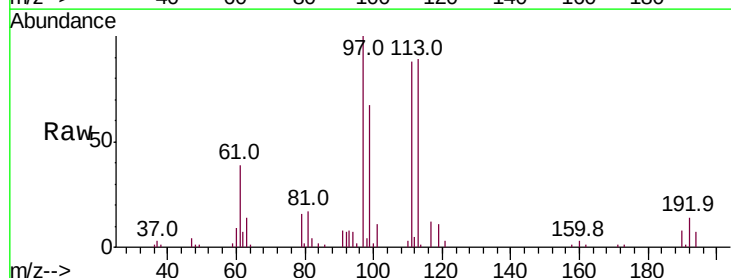
Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion: 97 Resp: 27489

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	76.0
61	40.7	32.3	48.5

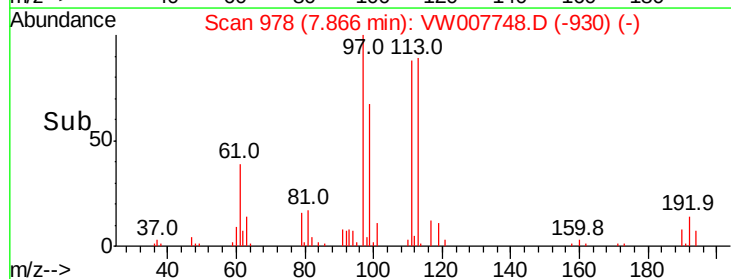
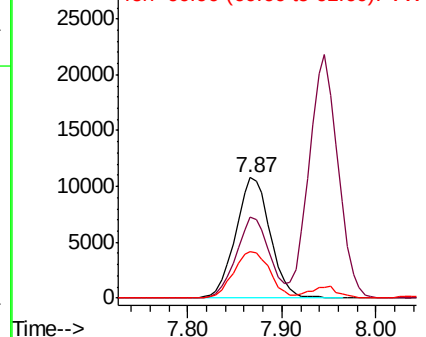


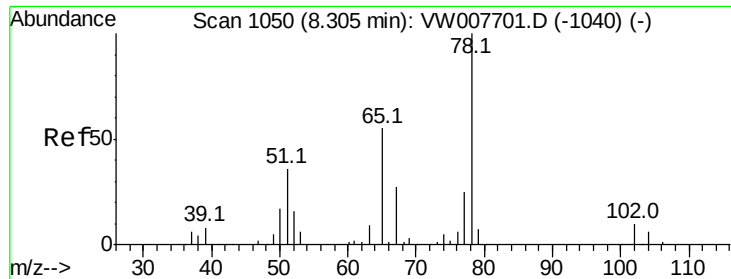
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 47.715 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

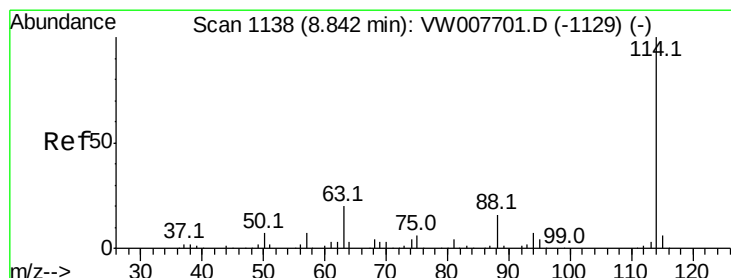
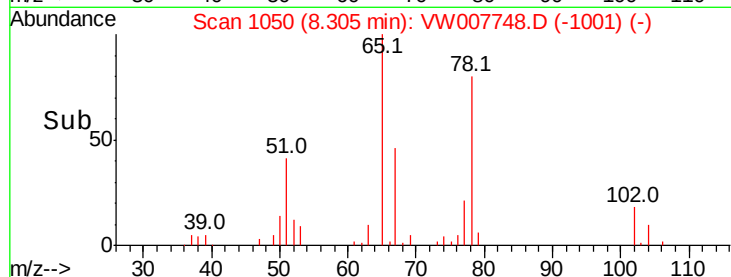
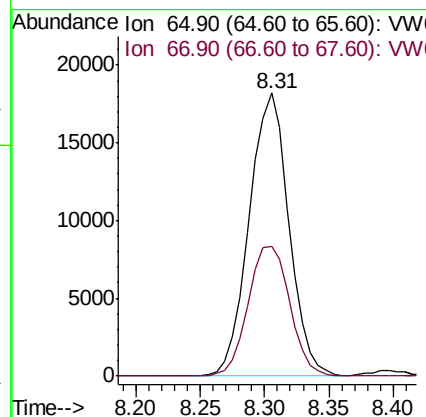
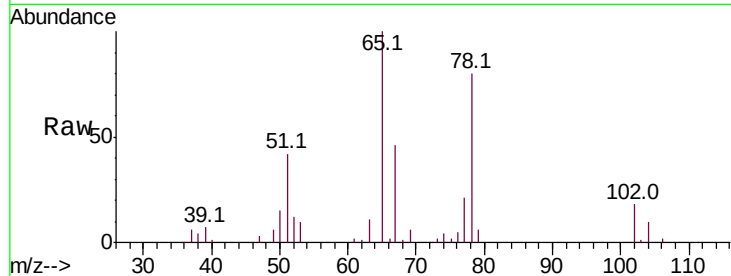
ClientSampled :

Tot Ion: 65 Resp: 38883

Ion Ratio Lower Upper

65 100

67 48.0 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: VW007748.D

Acq: 20 Dec 2018 15:49

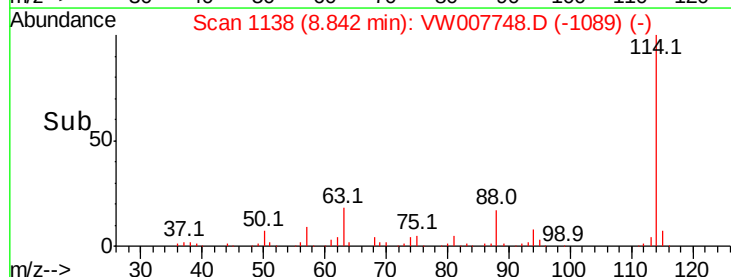
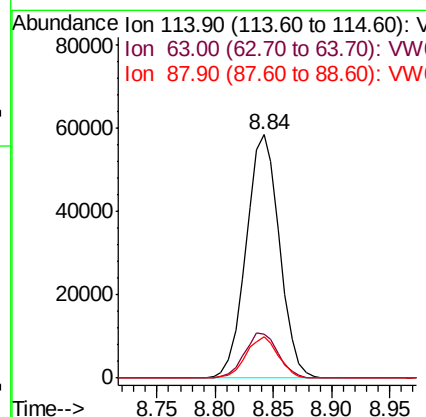
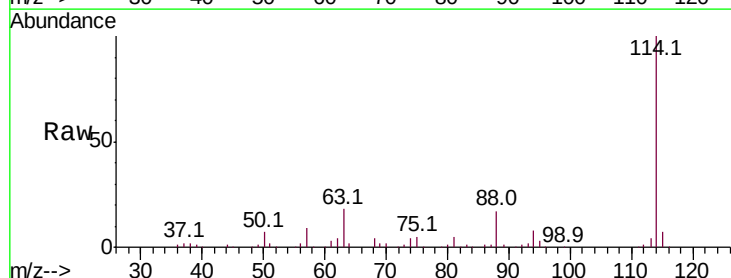
Tgt Ion: 114 Resp: 116304

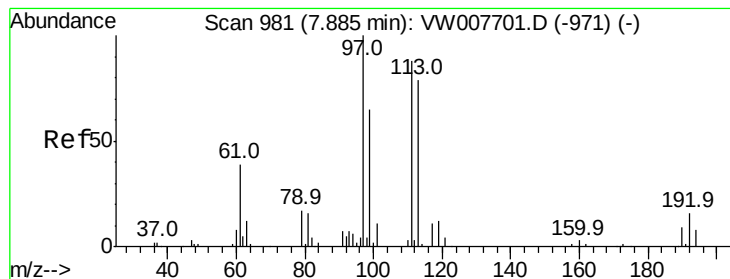
Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.0

88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.339 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampled :

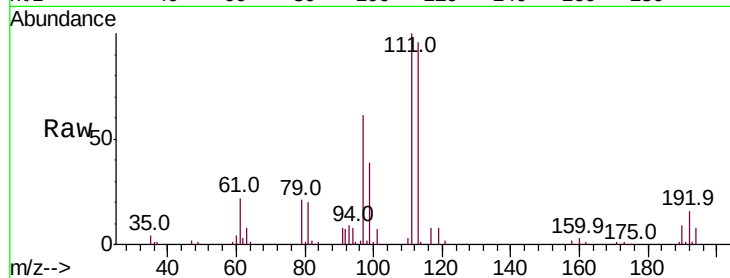
Tot Ion:113 Resp: 35716

Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

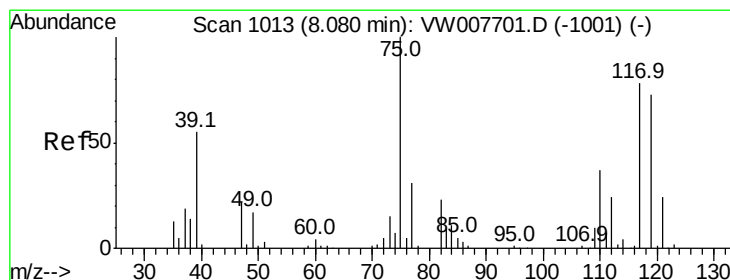
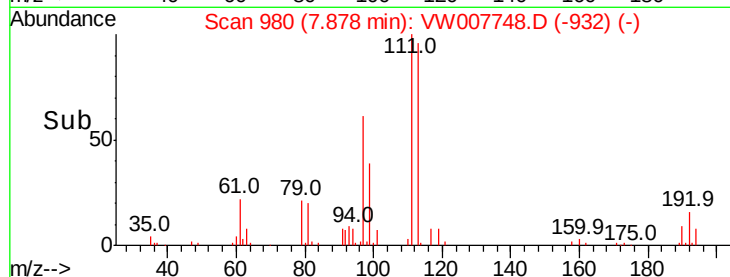
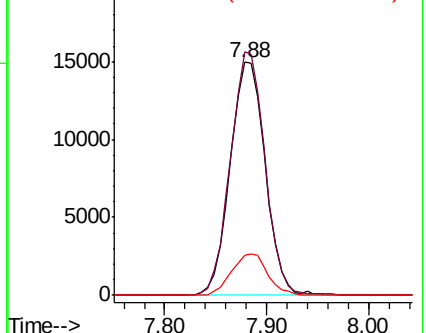
192 18.1 15.5 23.3



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: 21.112 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

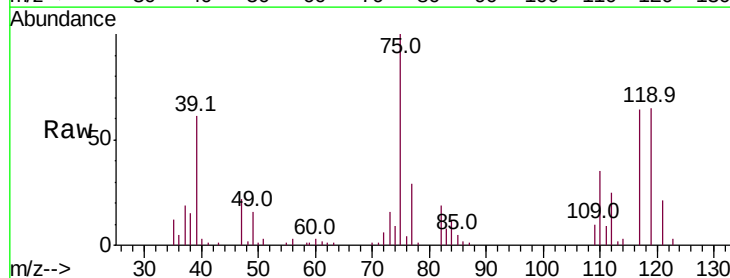
Tgt Ion: 75 Resp: 23699

Ion Ratio Lower Upper

75 100

110 37.1 18.6 55.8

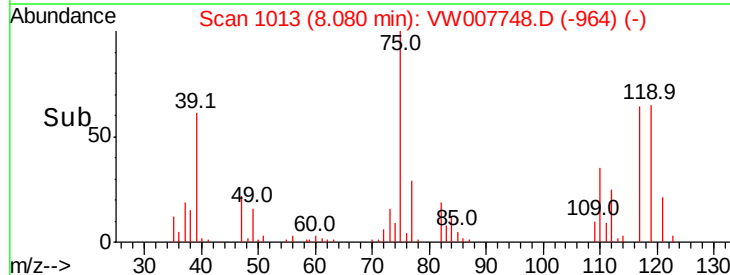
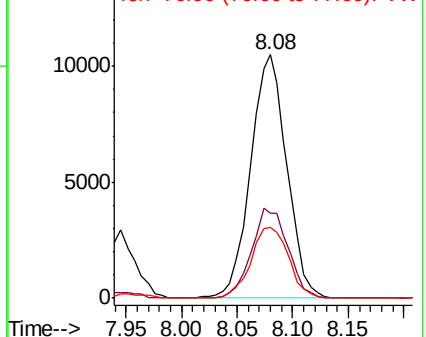
77 30.3 25.0 37.4

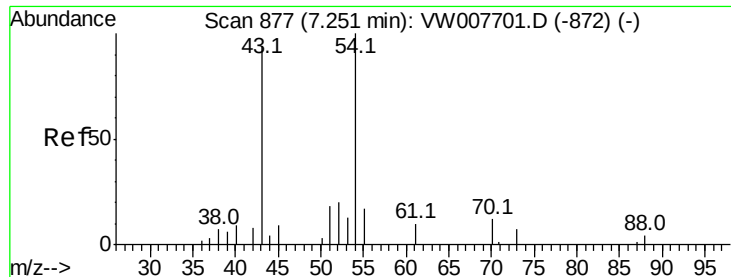


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

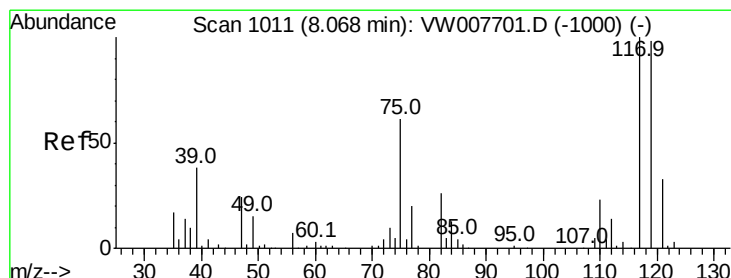
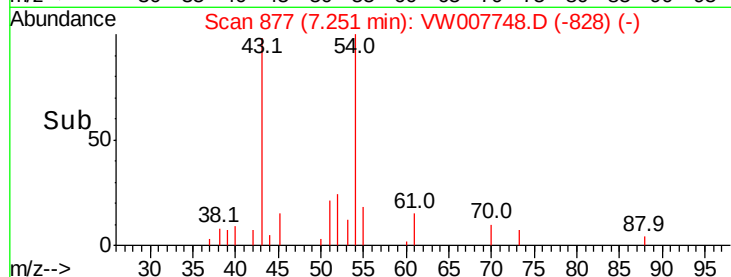
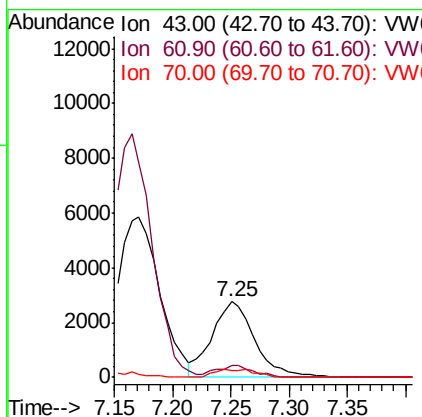
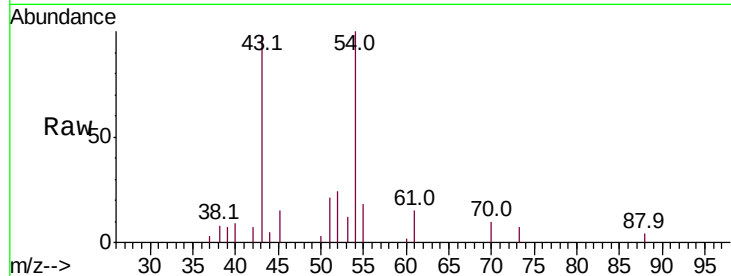




#37
Ethyl Acetate
Concen: 18.152 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

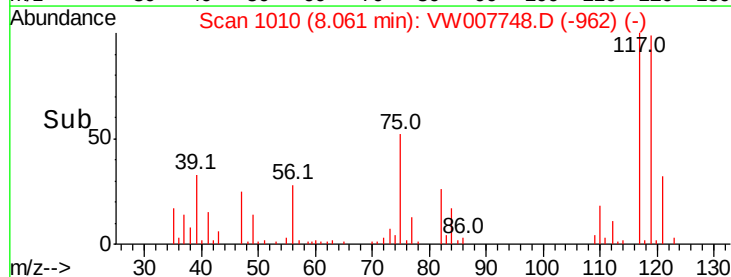
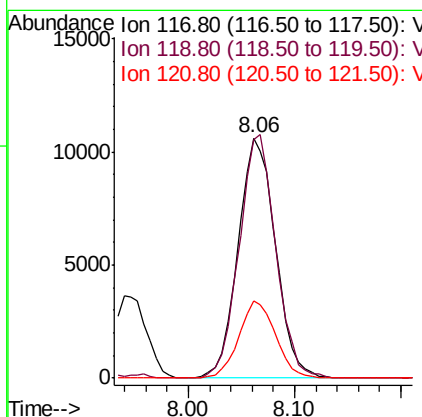
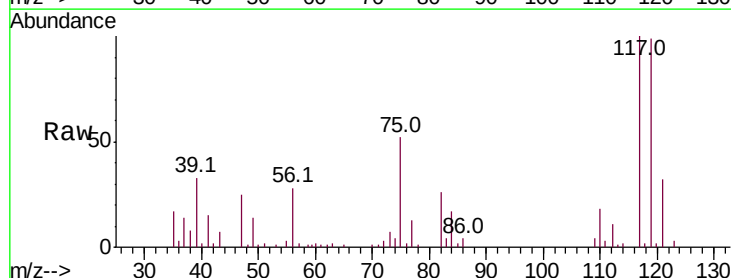
Instrument :
MSVOA_W
ClientSampled :

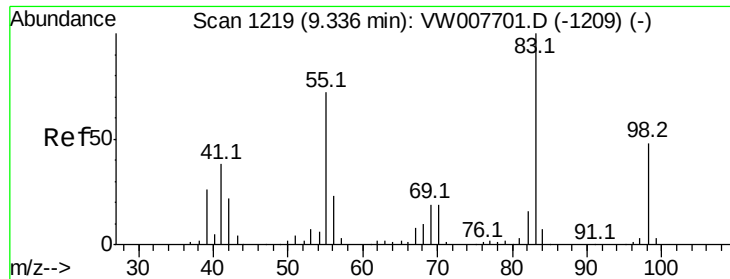
Tot Ion: 43 Resp: 7032
Ion Ratio Lower Upper
43 100
61 14.1 11.2 16.8
70 9.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 19.754 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 117 Resp: 26115
Ion Ratio Lower Upper
117 100
119 99.2 78.2 117.2
121 32.4 26.1 39.1

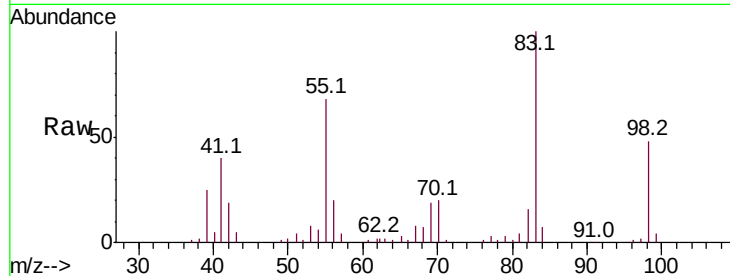




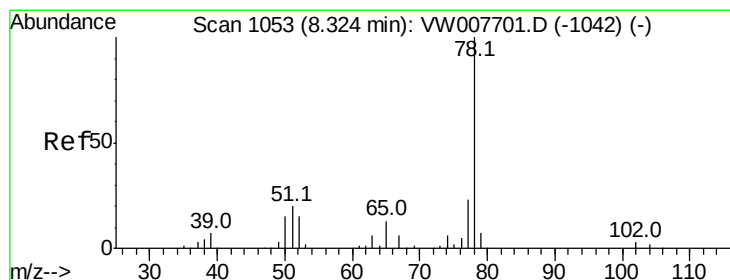
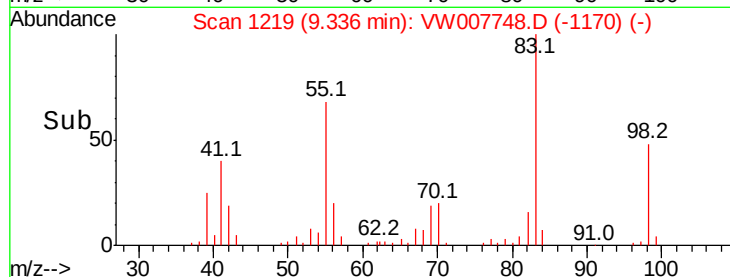
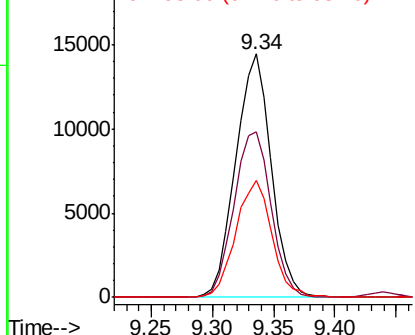
#39
Methylvlcyclohexane
Concen: 20.905 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 29160
Ion Ratio Lower Upper
83 100
55 67.9 57.2 85.8
98 48.0 38.6 58.0

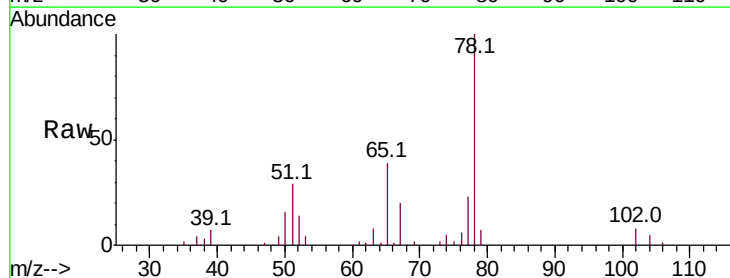


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

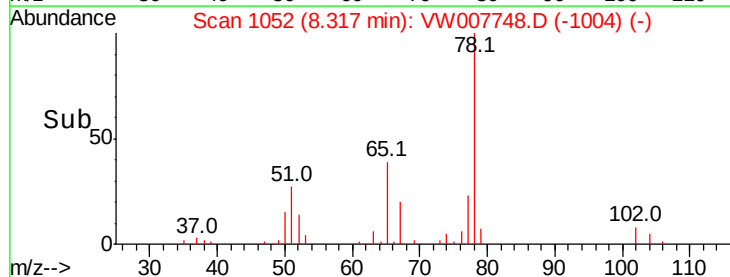
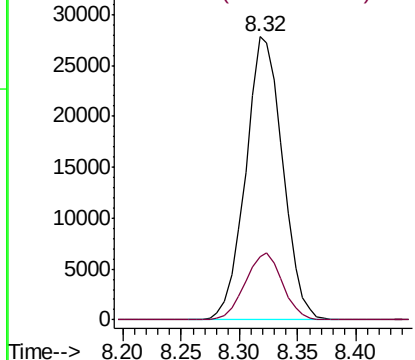


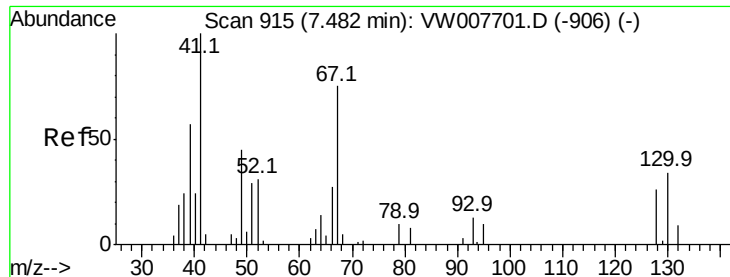
#40
Benzene
Concen: 20.481 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 78 Resp: 61352
Ion Ratio Lower Upper
78 100
77 22.5 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

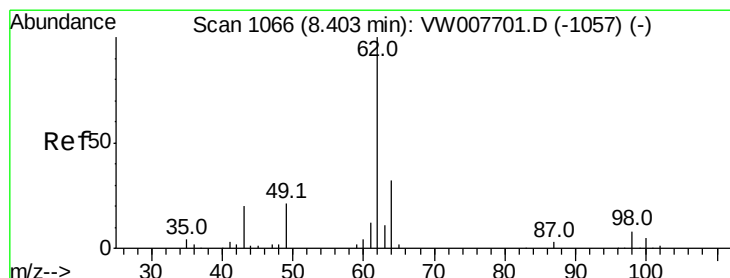
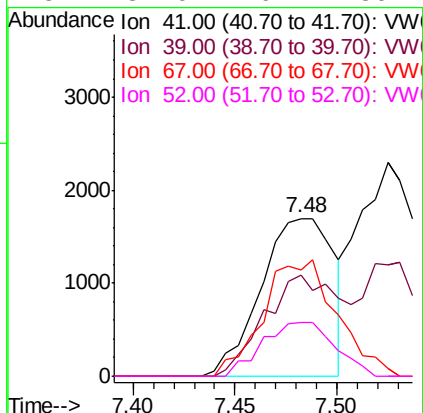
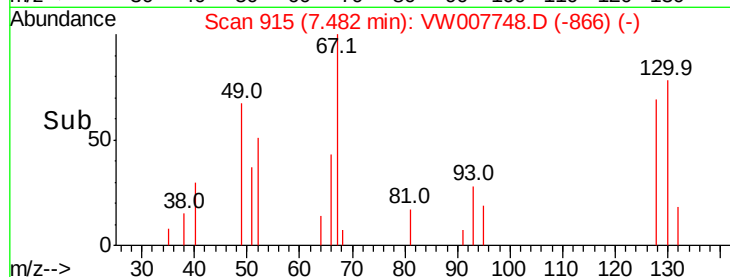
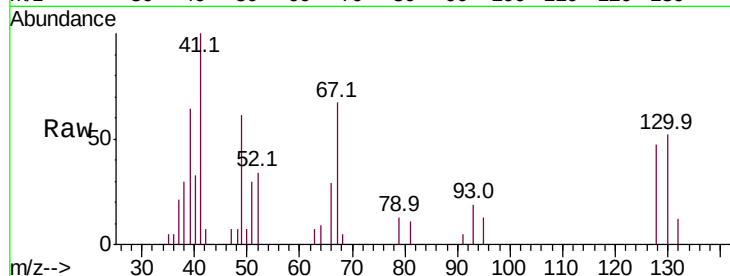




#41
Methacrylonitrile
Concen: 19.223 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

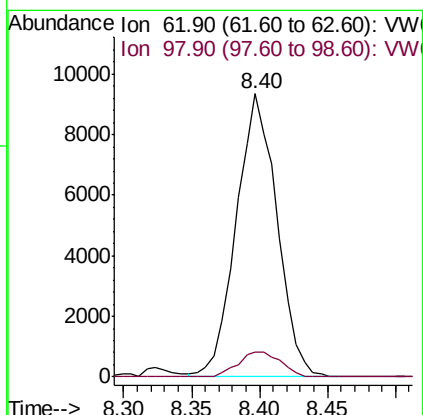
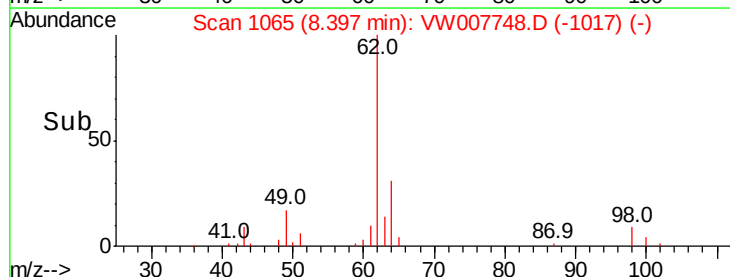
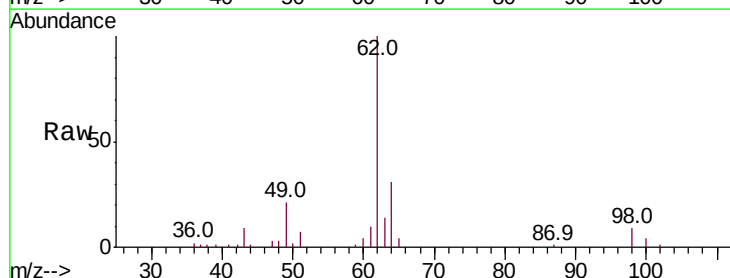
Instrument :
MSVOA_W
ClientSampled :

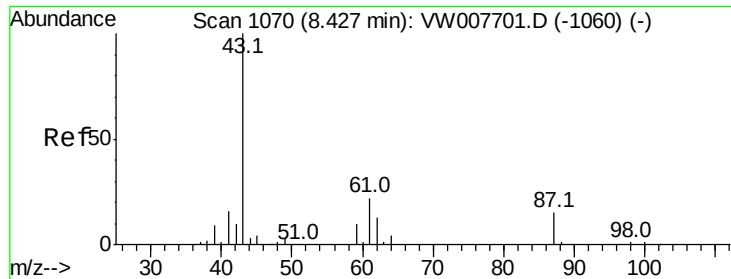
Tot Ion:	41	Resp:	4228
Ion	Ratio	Lower	Upper
41	100		
39	66.9	54.2	81.4
67	74.0	65.7	98.5
52	34.0	26.2	39.4



#42
1,2-Dichloroethane
Concen: 19.444 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion:	62	Resp:	19519
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 16.910 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

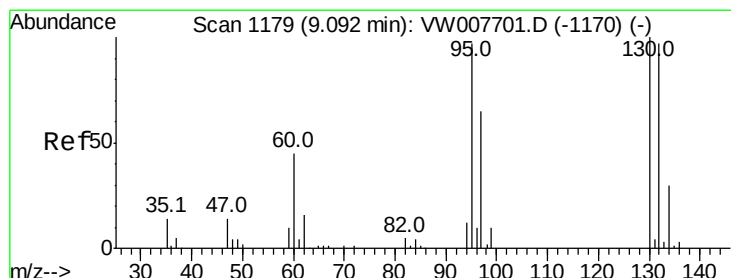
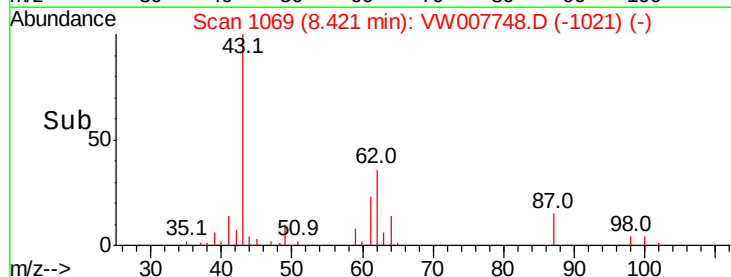
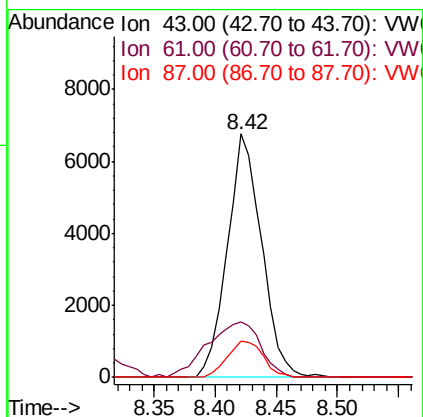
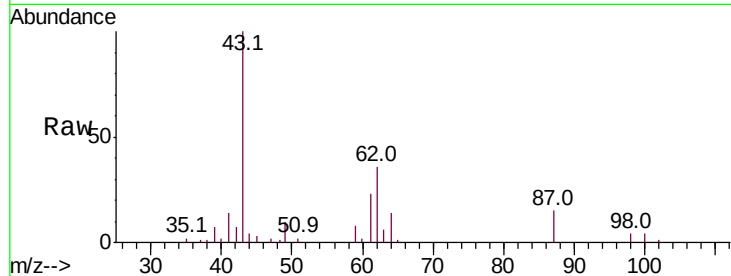
Tot Ion: 43 Resp: 13125

Ion Ratio Lower Upper

43 100

61 35.3 26.3 39.5

87 15.5 12.0 18.0



#44

Trichloroethene

Concen: 20.551 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007748.D

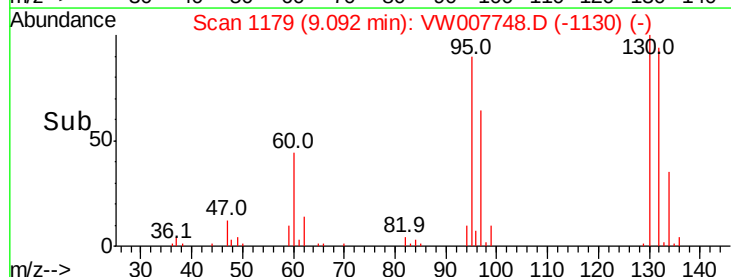
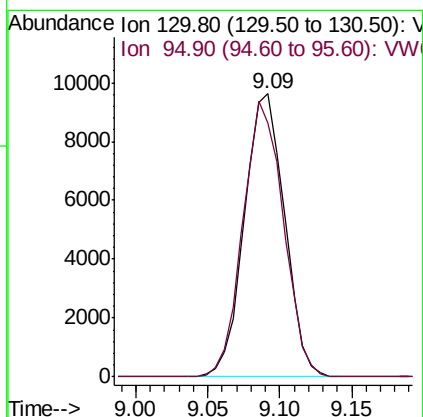
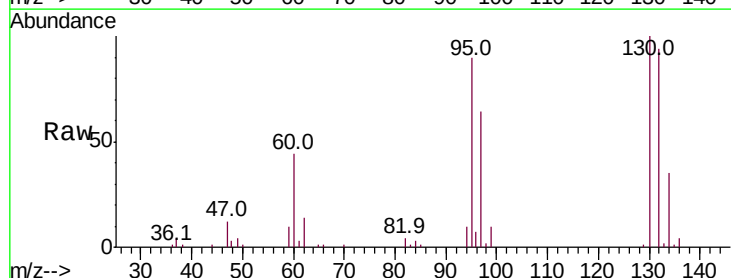
Acq: 20 Dec 2018 15:49

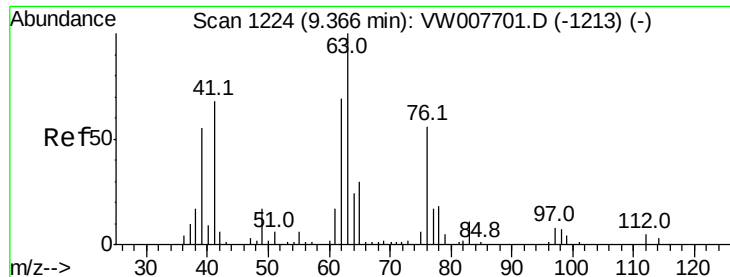
Tgt Ion:130 Resp: 18617

Ion Ratio Lower Upper

130 100

95 89.5 0.0 194.8





#45

1,2-Dichloropropane

Concen: 20.776 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

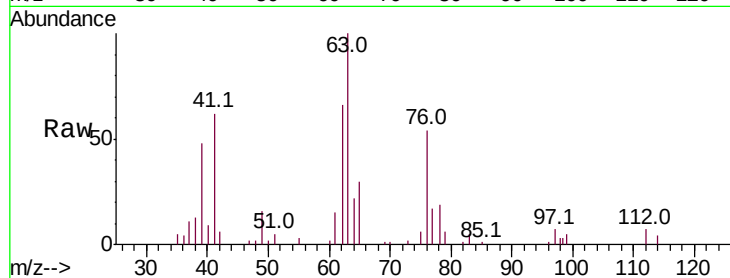
ClientSampleId :

Tot Ion: 63 Resp: 13809

Ion Ratio Lower Upper

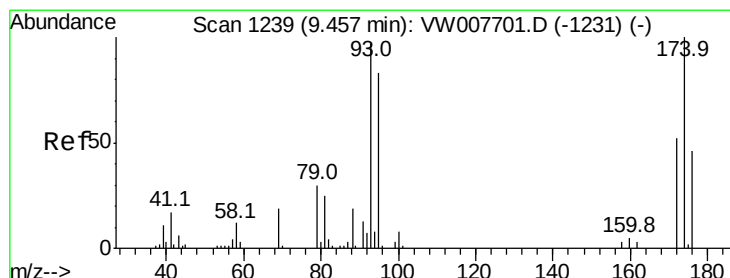
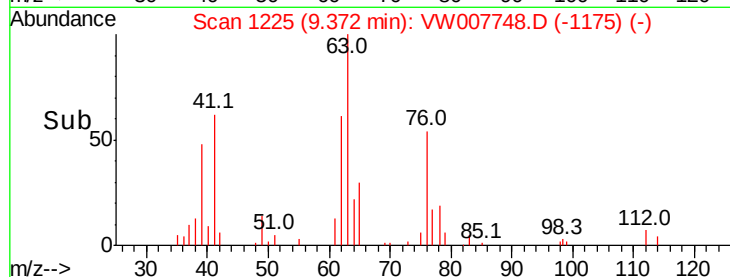
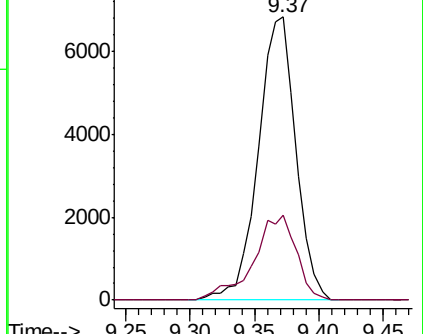
63 100

65 29.9 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 19.066 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

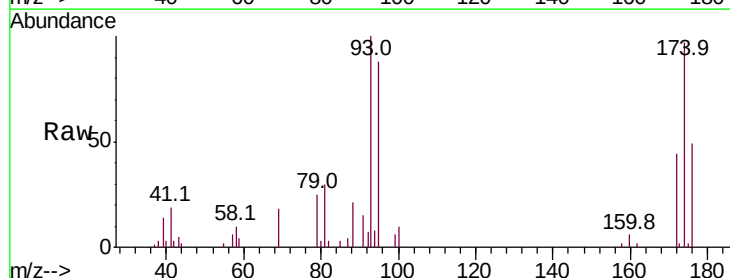
Tgt Ion: 93 Resp: 7801

Ion Ratio Lower Upper

93 100

95 87.7 67.5 101.3

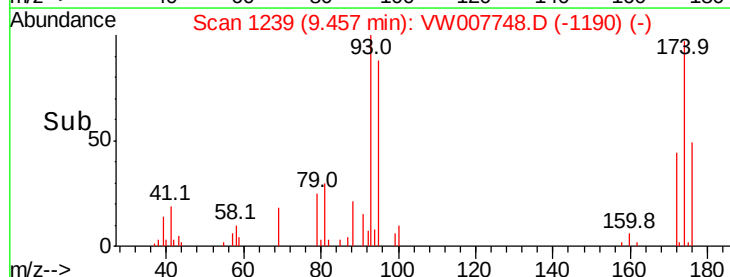
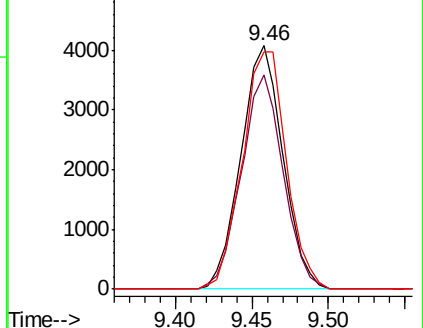
174 102.0 83.9 125.9

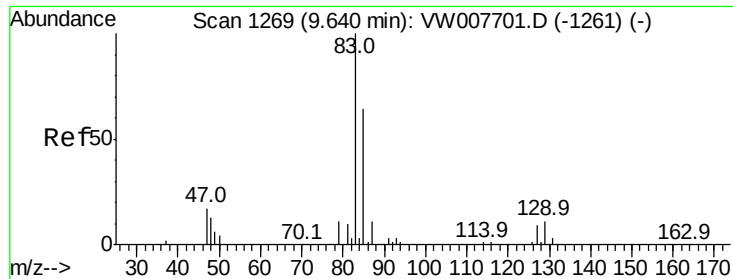


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.478 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampled :

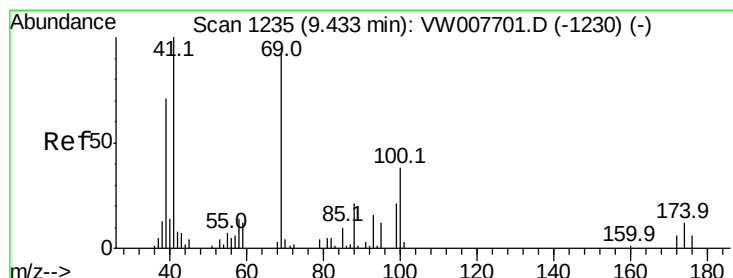
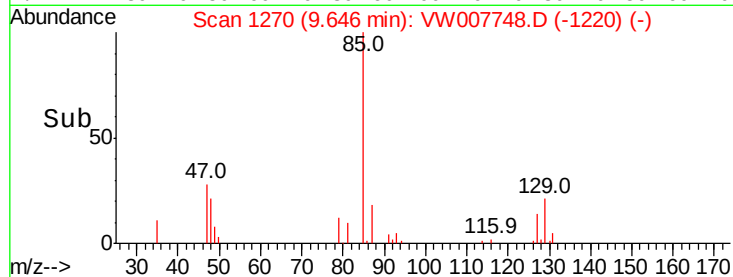
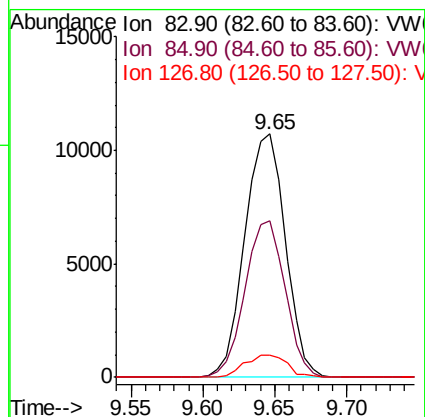
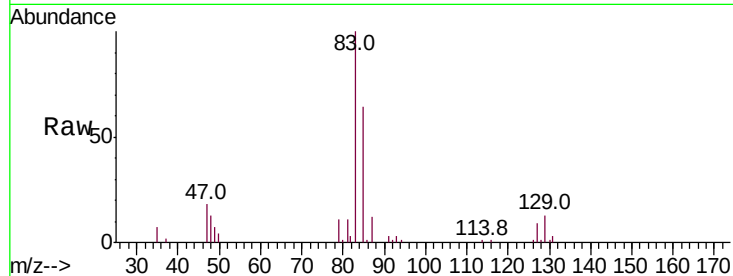
Tot Ion: 83 Resp: 20951

Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.0

127 9.1 7.5 11.3



#48

Methyl methacrylate

Concen: 16.884 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

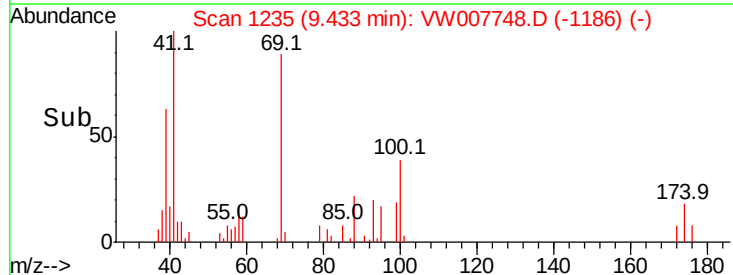
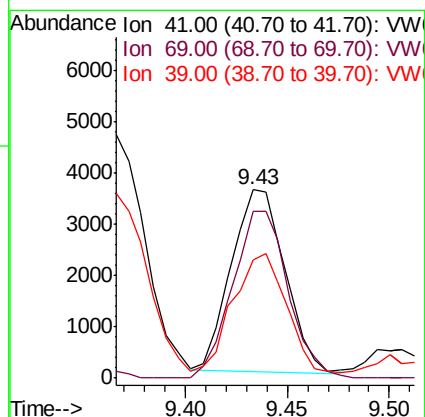
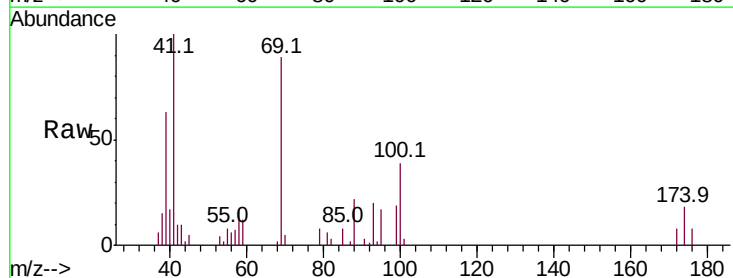
Tgt Ion: 41 Resp: 6541

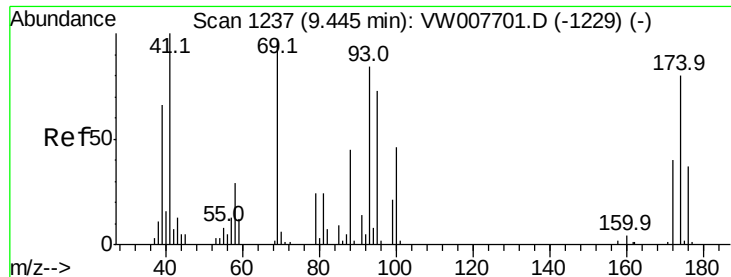
Ion Ratio Lower Upper

41 100

69 94.1 74.2 111.2

39 64.6 53.9 80.9





#49

1,4-Dioxane

Concen: 386.007 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampleId :

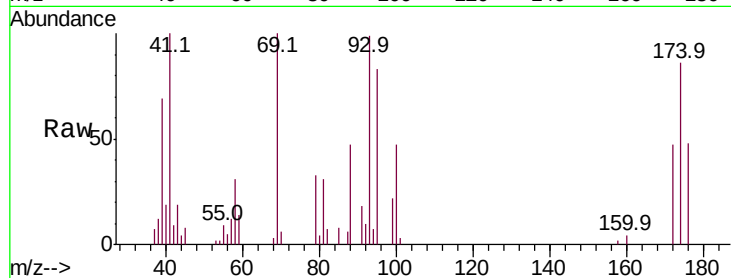
Tot Ion: 88 Resp: 2504

Ion Ratio Lower Upper

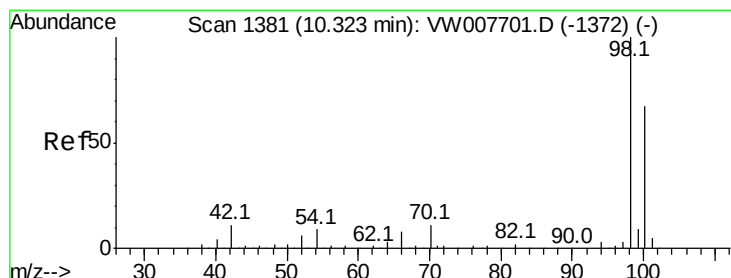
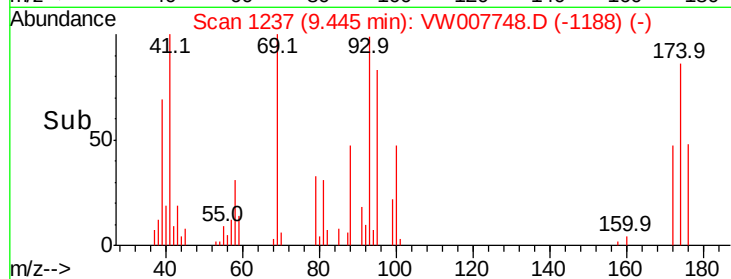
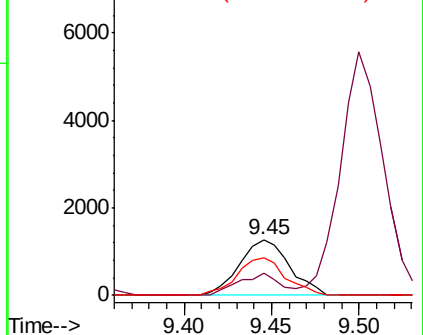
88 100

43 33.1 25.6 38.4

58 65.5 52.3 78.5



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.751 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007748.D

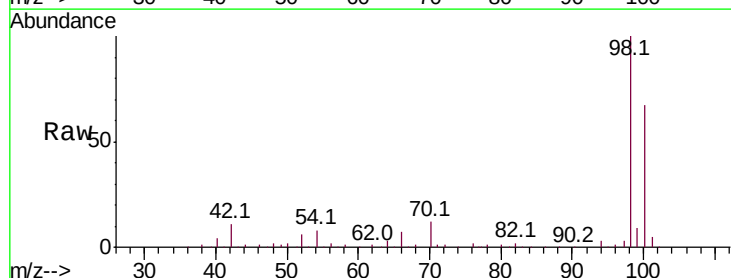
Acq: 20 Dec 2018 15:49

Tgt Ion: 98 Resp: 138421

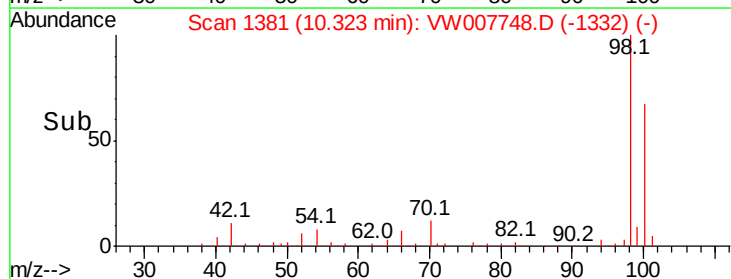
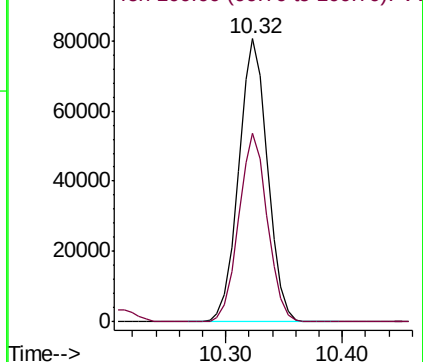
Ion Ratio Lower Upper

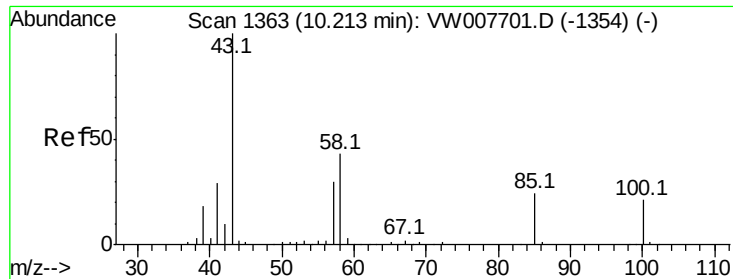
98 100

100 66.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

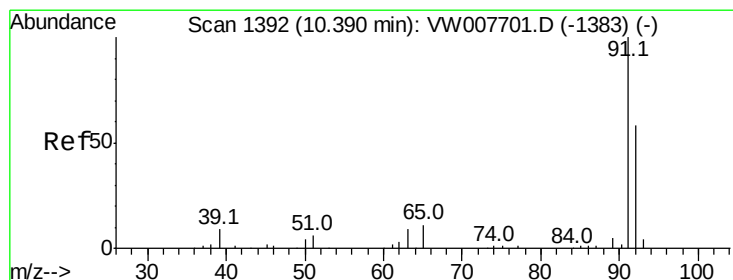
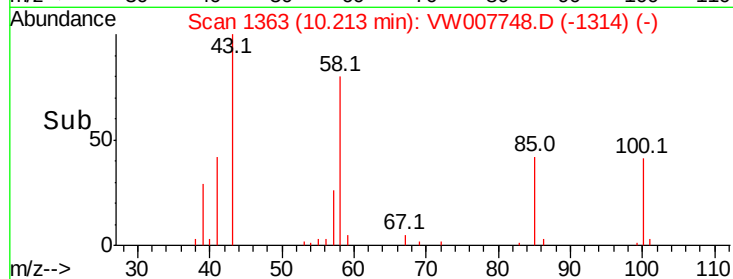
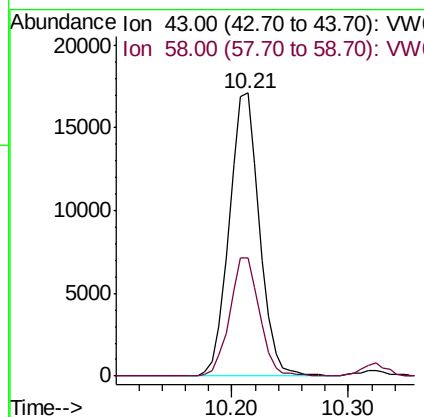
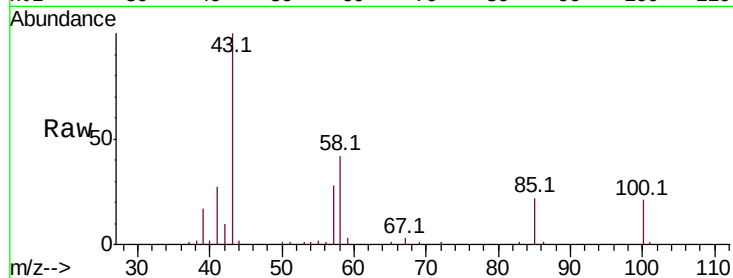




#51
4-Methyl-2-Pentanone
Concen: 84.192 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

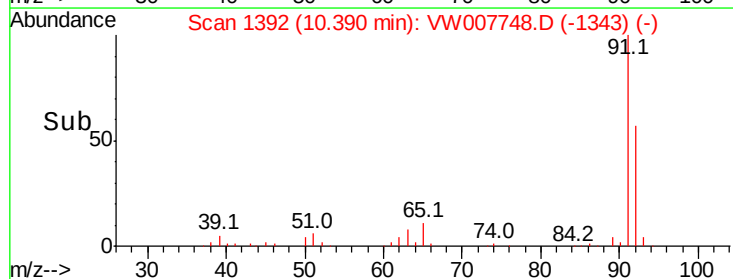
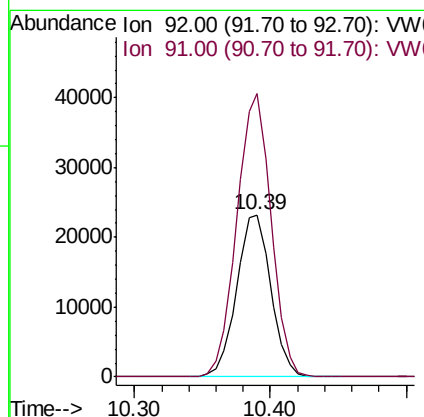
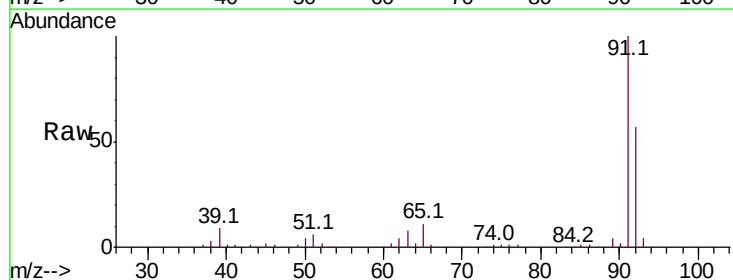
Instrument :
MSVOA_W
ClientSampled :

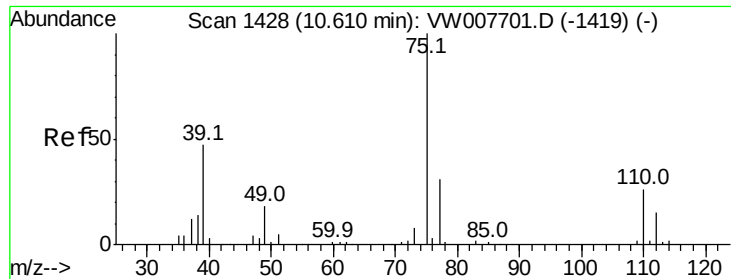
Tot Ion: 43 Resp: 30882
Ion Ratio Lower Upper
43 100
58 41.2 33.2 49.8



#52
Toluene
Concen: 20.260 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 92 Resp: 40717
Ion Ratio Lower Upper
92 100
91 175.0 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 19.189 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

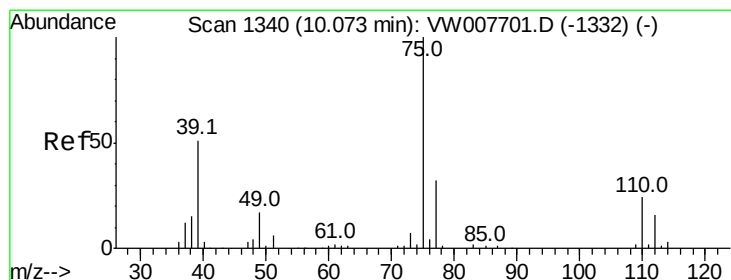
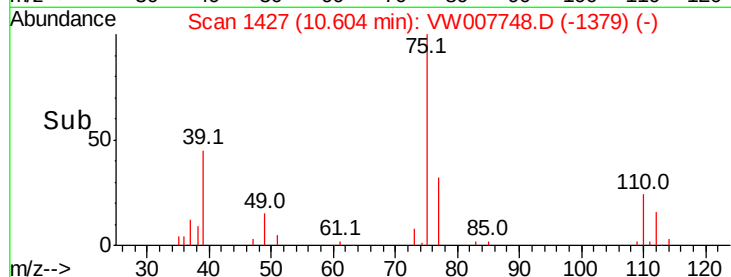
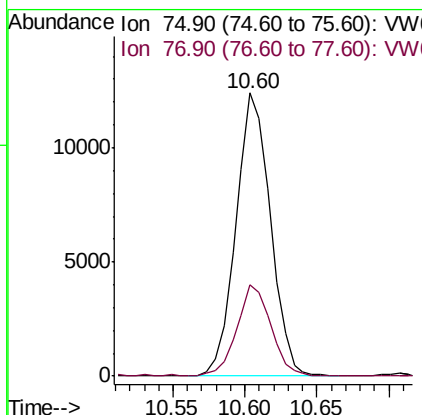
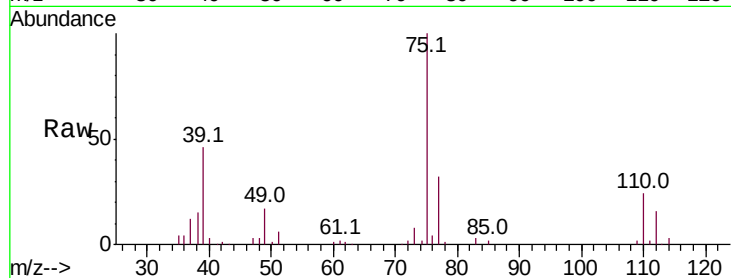
ClientSampled :

Tot Ion: 75 Resp: 20530

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 19.128 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

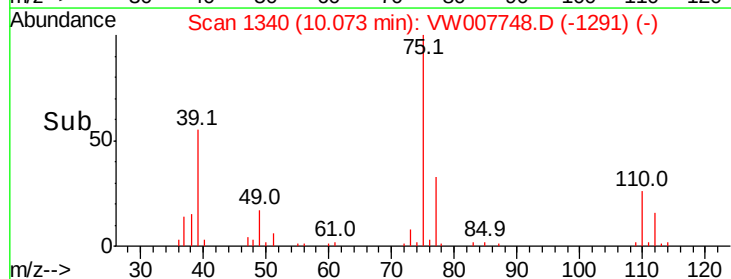
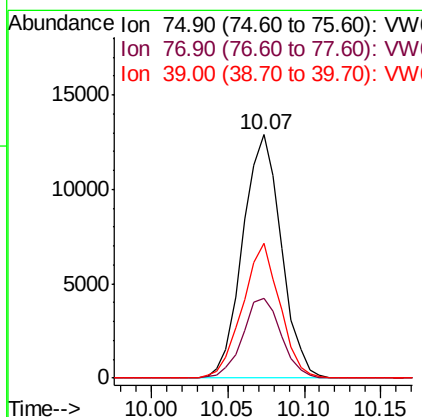
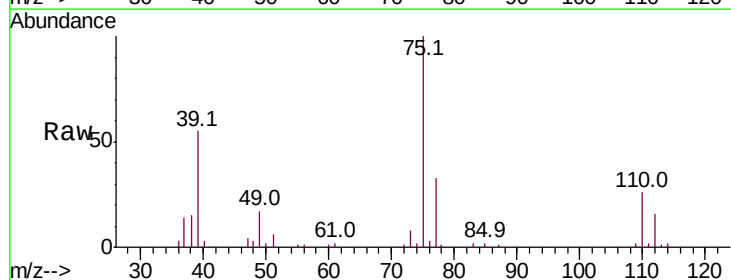
Tgt Ion: 75 Resp: 22605

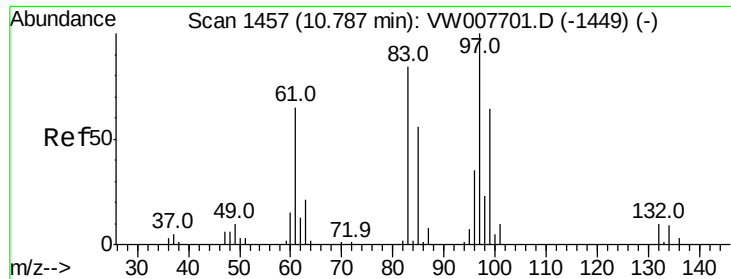
Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3

39 55.3 41.2 61.8





#55

1,1,2-Trichloroethane

Concen: 19.266 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 10867

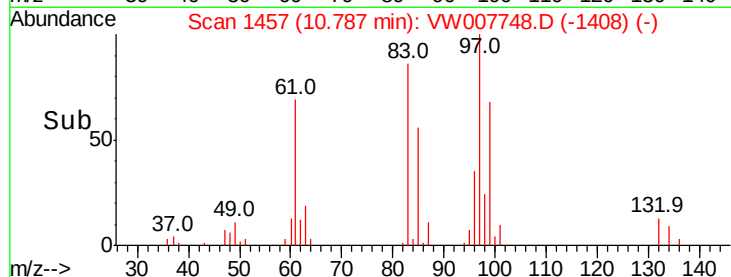
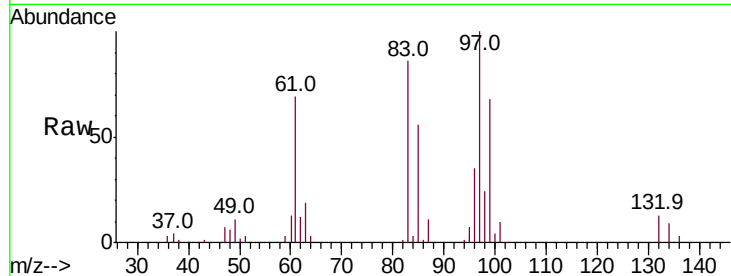
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.5	101.3
85	56.3	44.8	67.2
99	67.7	51.0	76.4

97 100

83 85.6 67.5 101.3

85 56.3 44.8 67.2

99 67.7 51.0 76.4



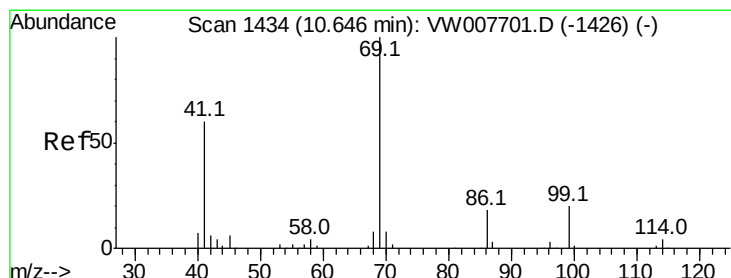
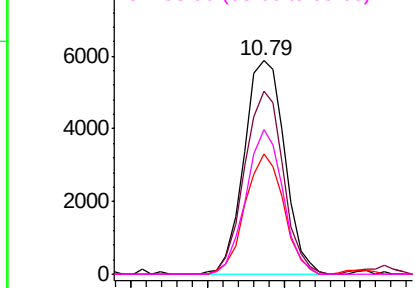
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 17.337 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

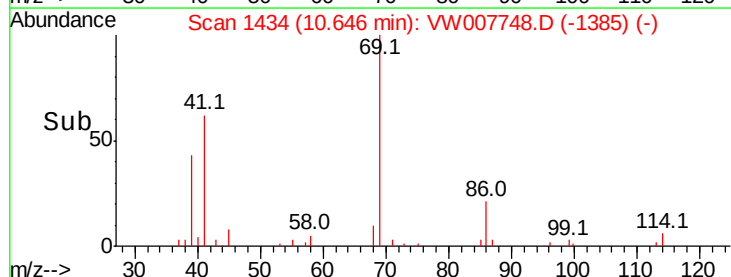
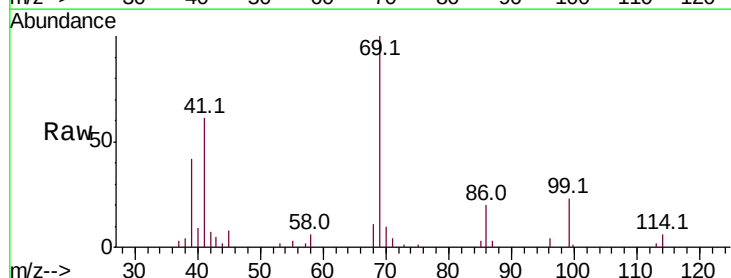
Tgt Ion: 69 Resp: 11554

Ion	Ratio	Lower	Upper
69	100		
41	63.4	48.9	73.3
39	39.8	31.3	46.9

69 100

41 63.4 48.9 73.3

39 39.8 31.3 46.9

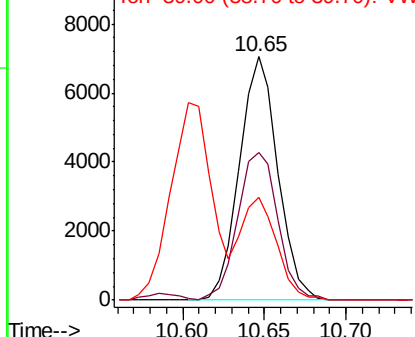


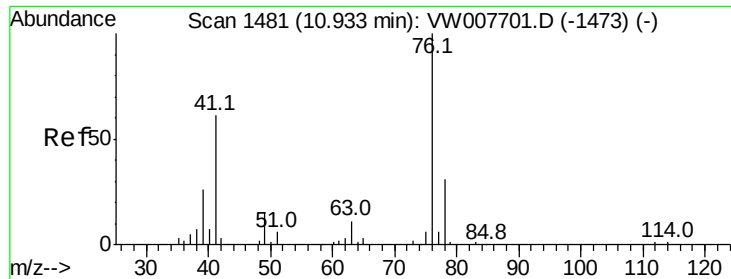
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 18.737 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

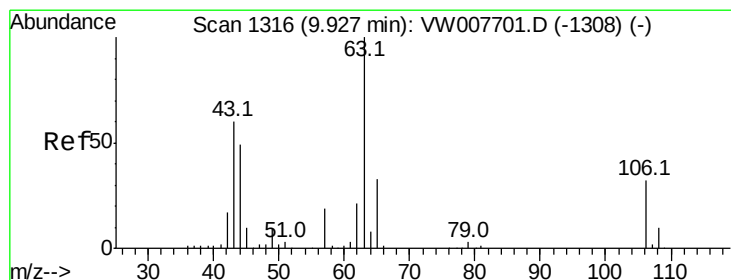
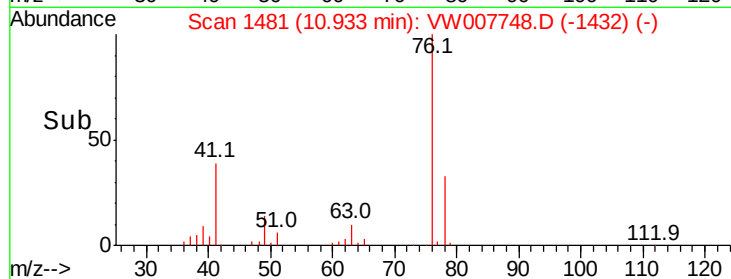
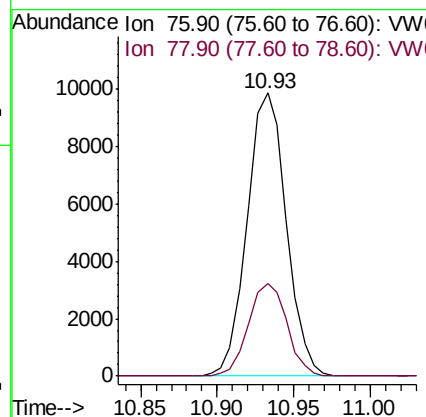
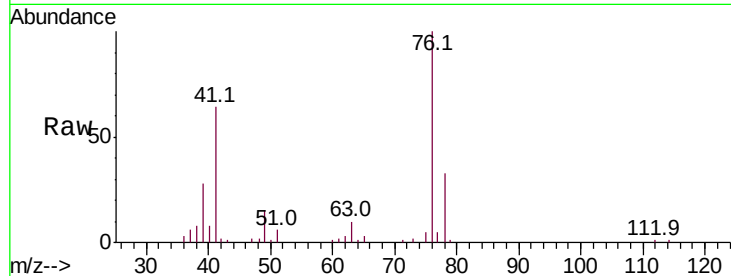
Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 17550

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.2



#58

2-Chloroethyl Vinyl ether

Concen: 95.821 ug/l

RT: 9.92 min Scan# 1315

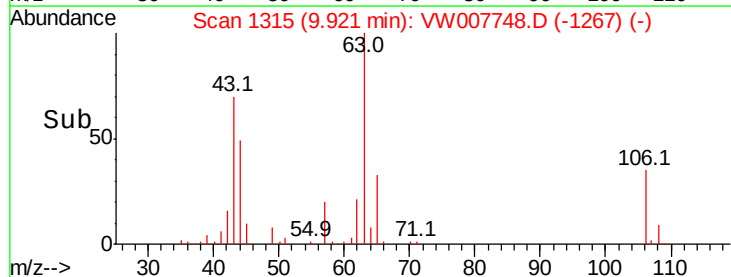
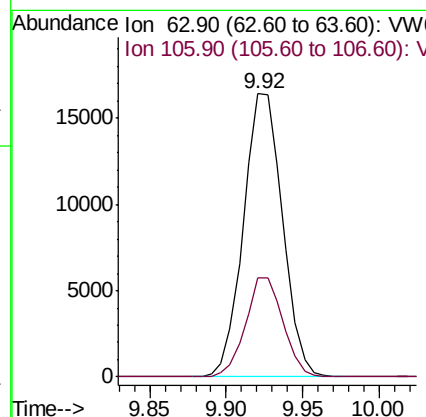
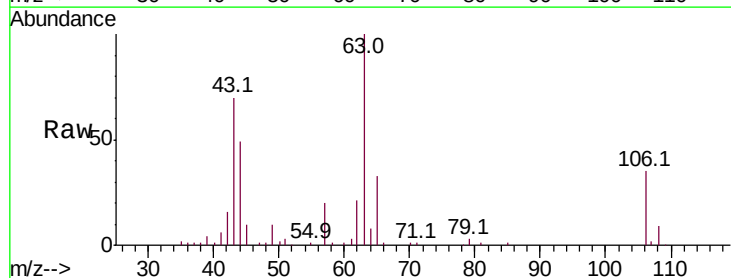
Delta R.T. -0.01 min

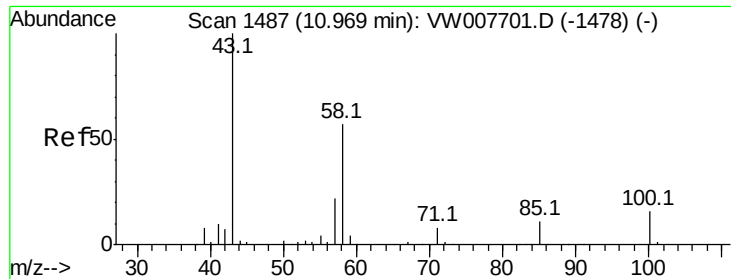
Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion: 63 Resp: 29156

Ion	Ratio	Lower	Upper
63	100		
106	33.6	25.9	38.9





#59

2-Hexanone

Concen: 85.601 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

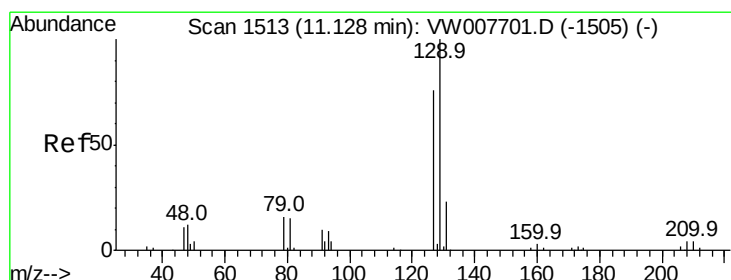
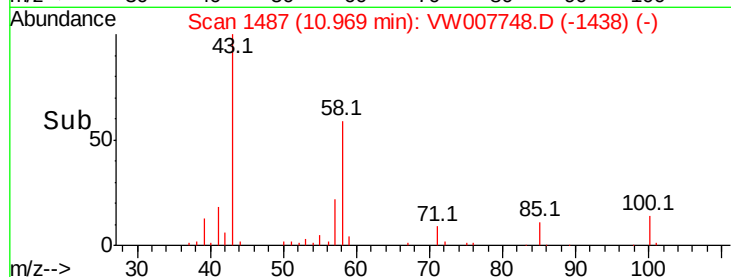
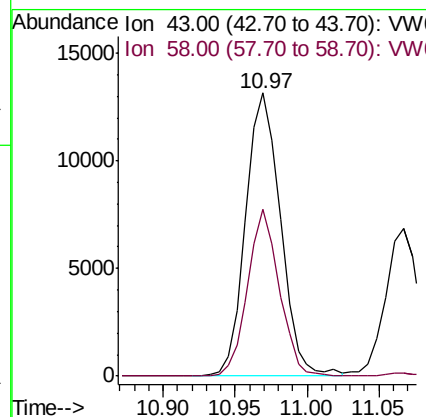
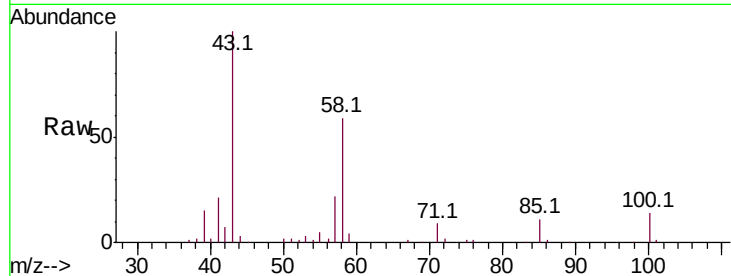
ClientSampled :

Tot Ion: 43 Resp: 22082

Ion Ratio Lower Upper

43 100

58 53.2 27.7 83.1



#60

Dibromochloromethane

Concen: 18.509 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007748.D

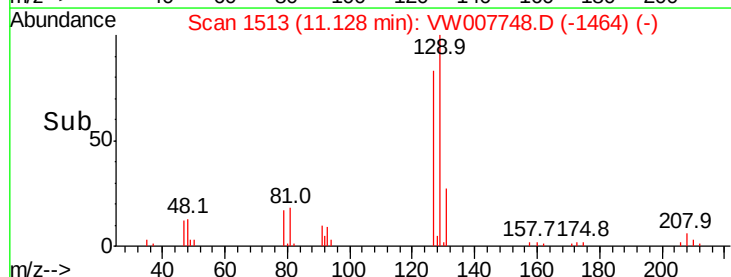
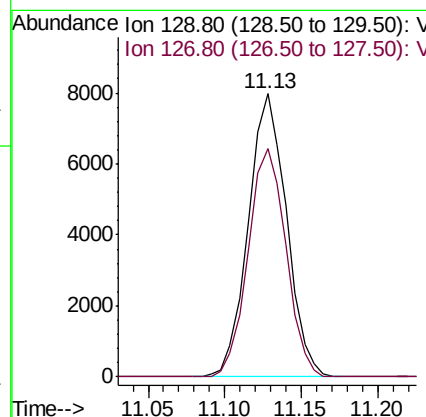
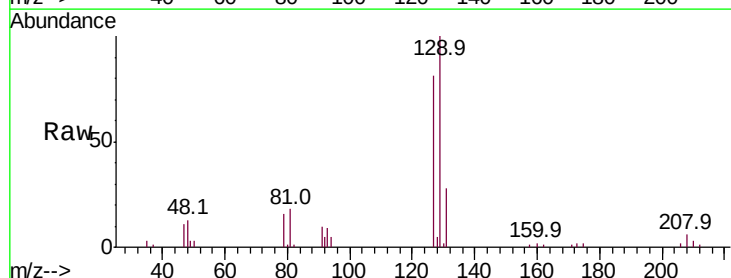
Acq: 20 Dec 2018 15:49

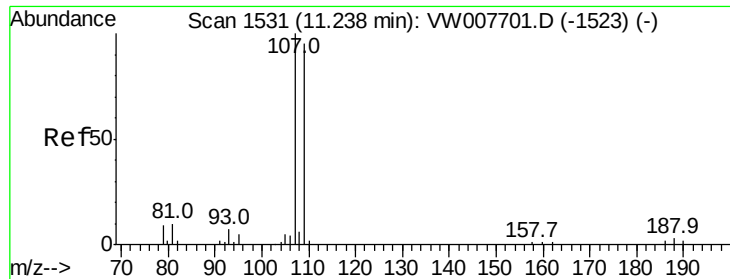
Tgt Ion: 129 Resp: 13823

Ion Ratio Lower Upper

129 100

127 79.9 38.3 114.9

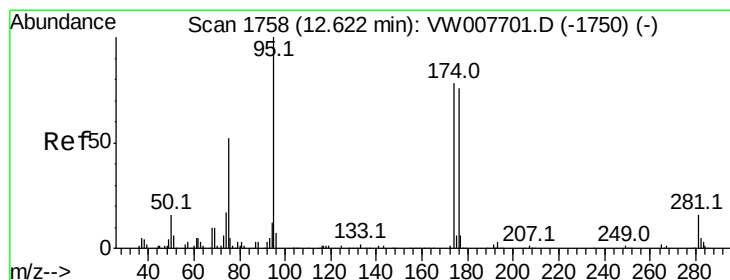
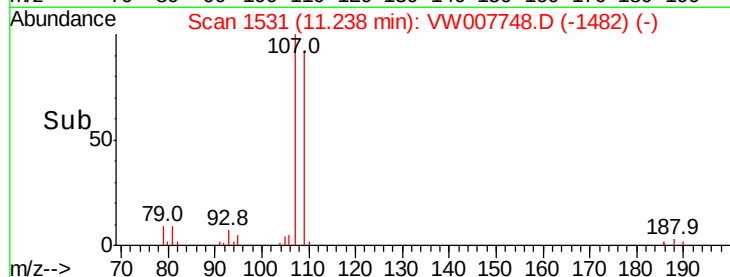
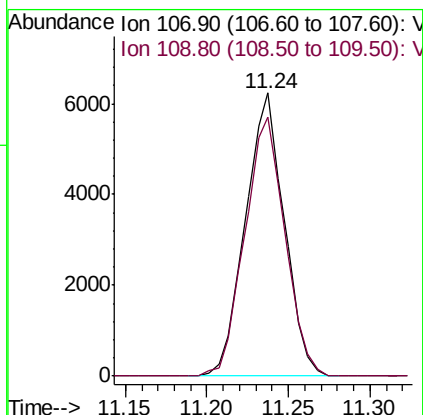
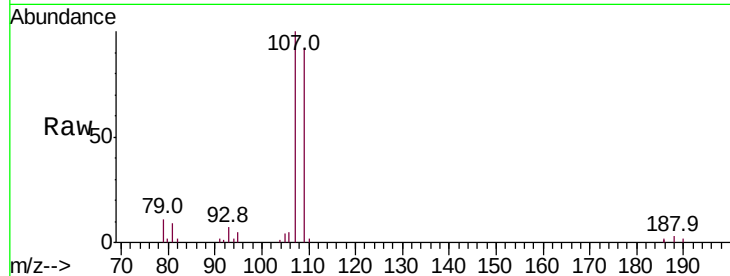




#61
 1,2-Dibromoethane
 Concen: 18.109 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

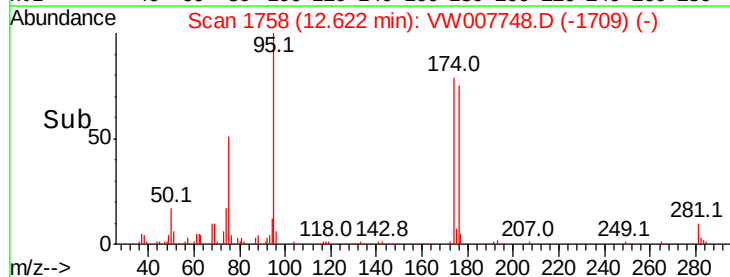
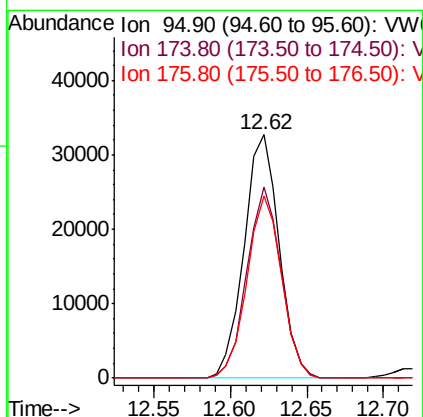
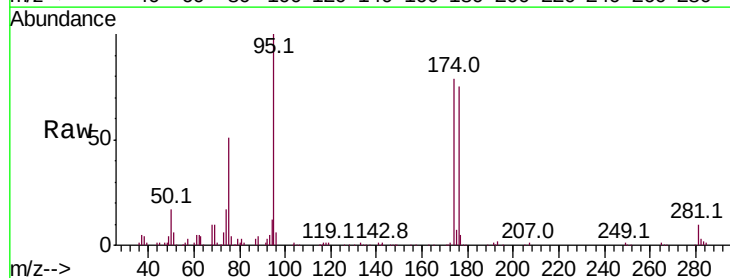
Instrument :
 MSVOA_W
 ClientSampleId :

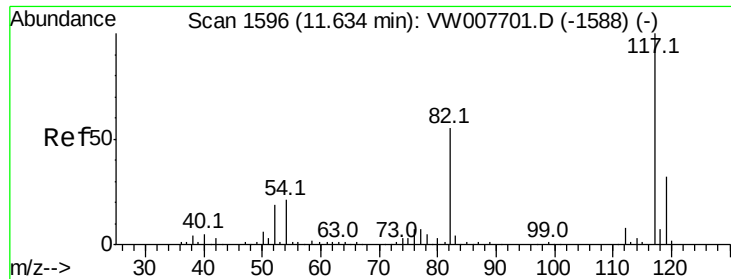
Tot Ion:107 Resp: 10344
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.317 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion: 95 Resp: 51994
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 152.2
 176 74.0 0.0 146.8

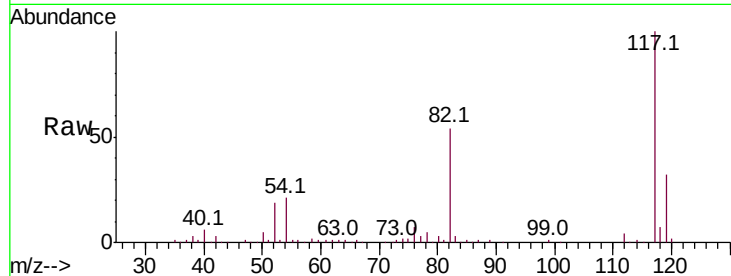




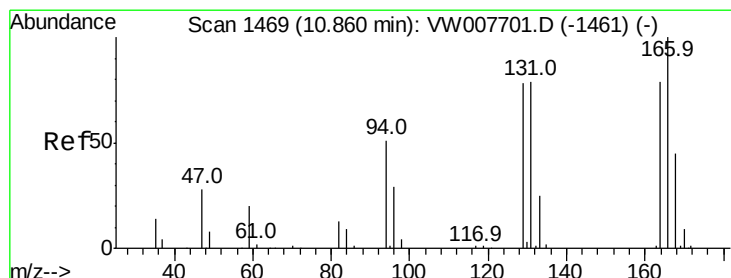
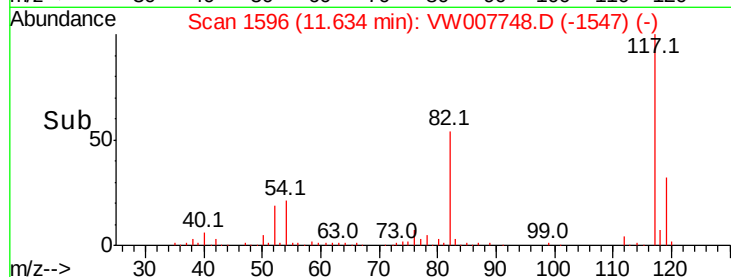
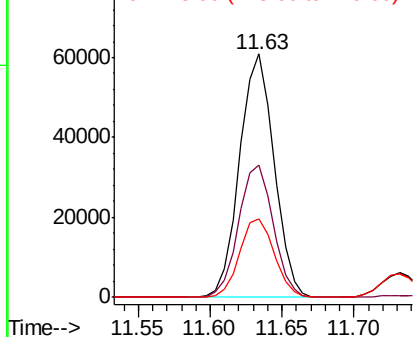
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 101233
Ion Ratio Lower Upper
117 100
82 54.2 44.3 66.5
119 32.1 25.7 38.5

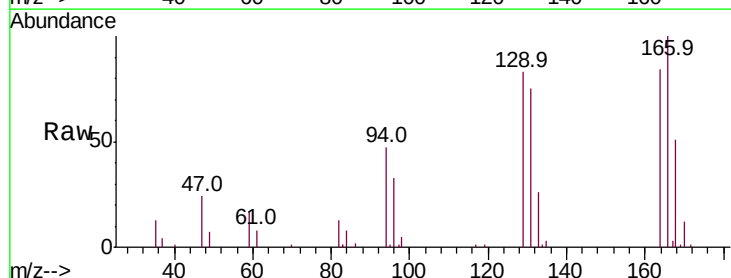


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

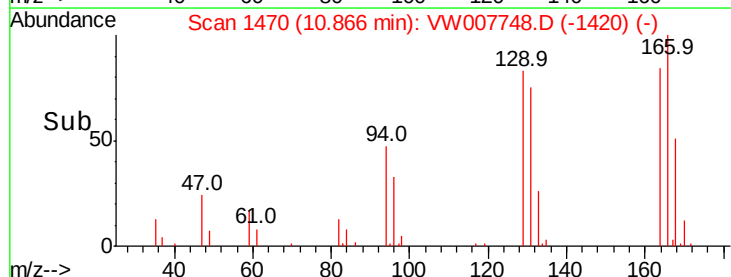
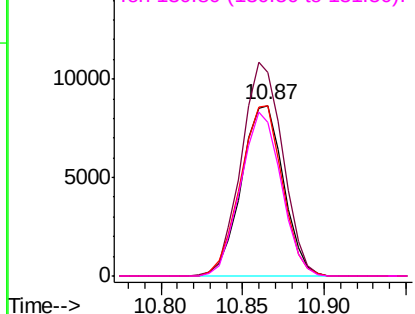


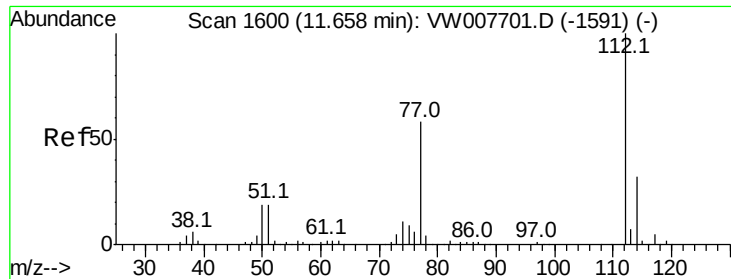
#64
Tetrachloroethene
Concen: 21.663 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion:164 Resp: 15529
Ion Ratio Lower Upper
164 100
166 119.7 101.0 151.6
129 99.8 78.7 118.1
131 90.3 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

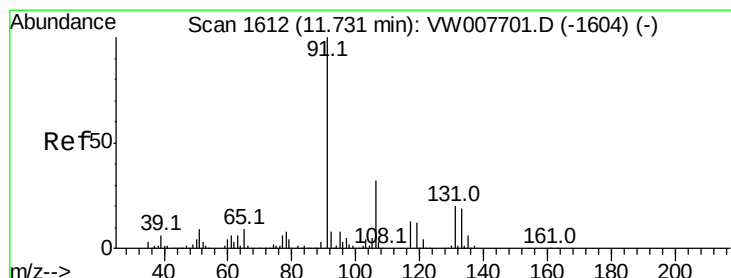
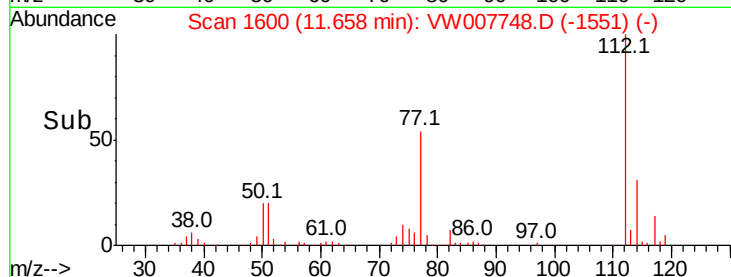
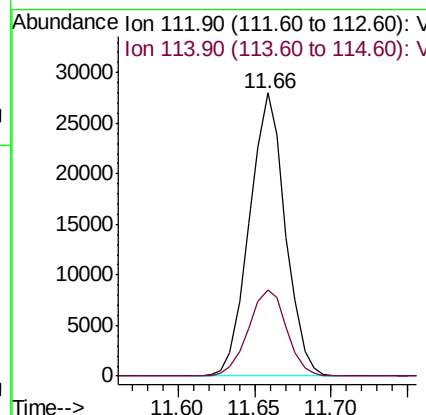
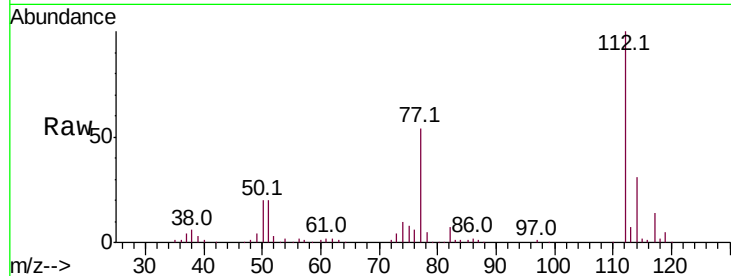




#65
Chlorobenzene
Concen: 20.765 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

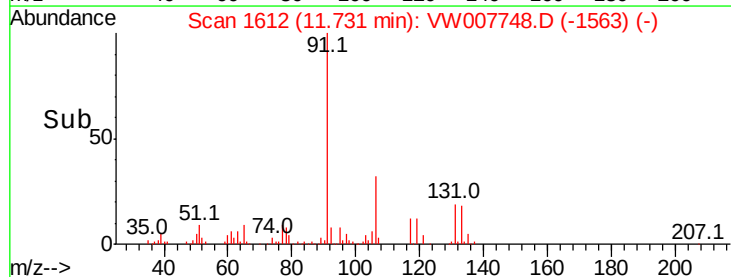
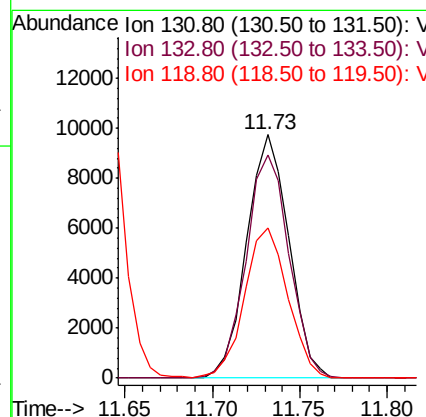
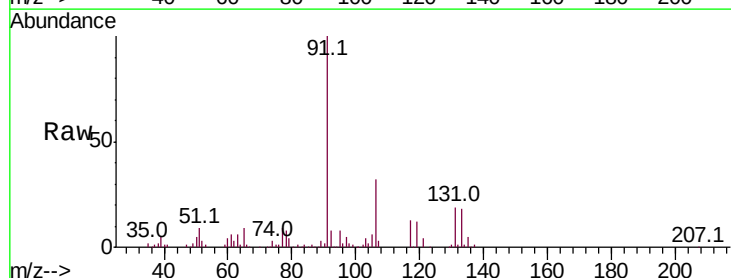
Instrument :
MSVOA_W
ClientSampleId :

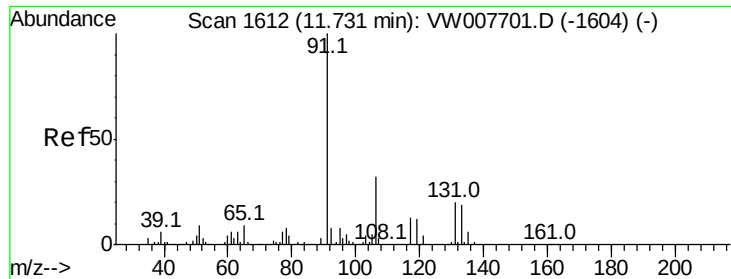
Tot Ion:112 Resp: 45499
Ion Ratio Lower Upper
112 100
114 30.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.854 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion:131 Resp: 16327
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.5
119 63.5 30.2 90.6





#67

Ethyl Benzene

Concen: 21.651 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

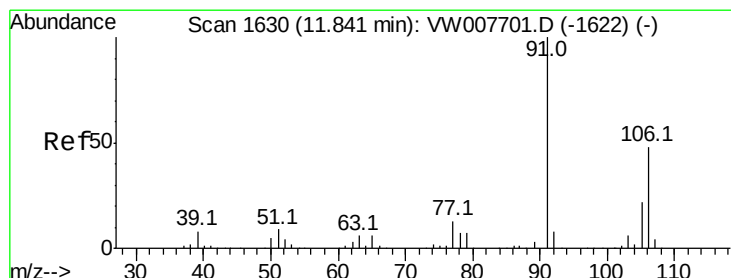
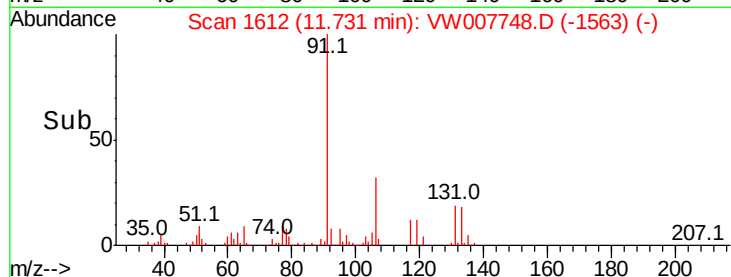
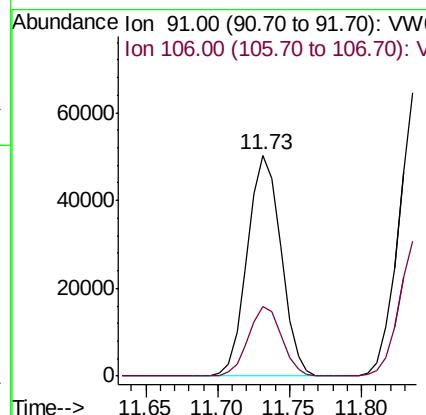
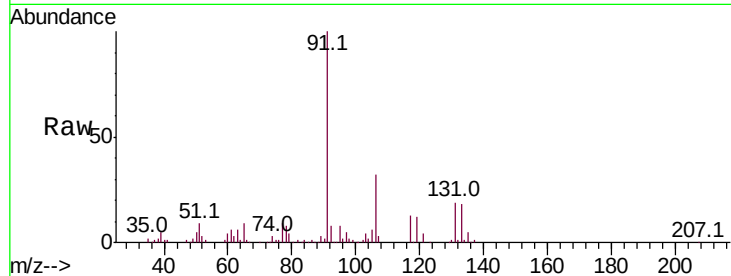
ClientSampled :

Tot Ion: 91 Resp: 81408

Ion Ratio Lower Upper

91 100

106 31.8 25.8 38.8



#68

m/p-Xylenes

Concen: 43.734 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007748.D

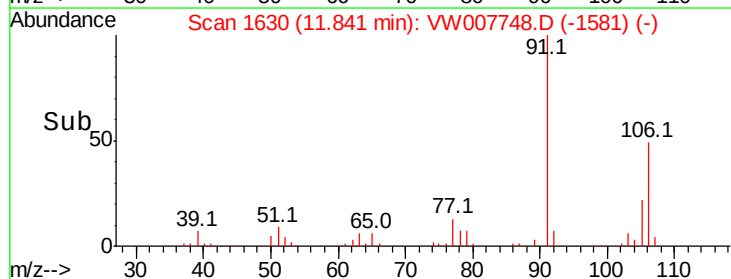
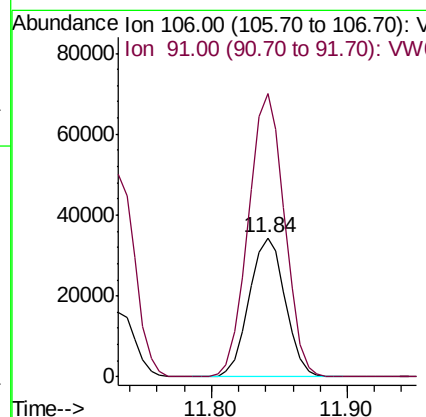
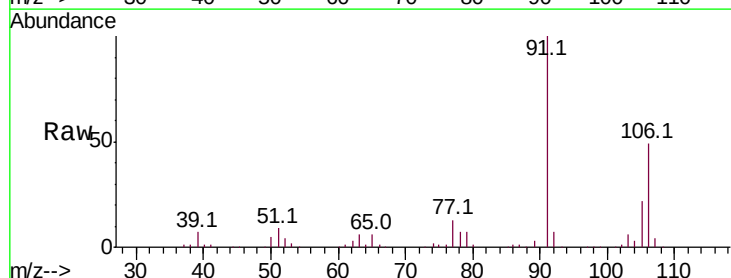
Acq: 20 Dec 2018 15:49

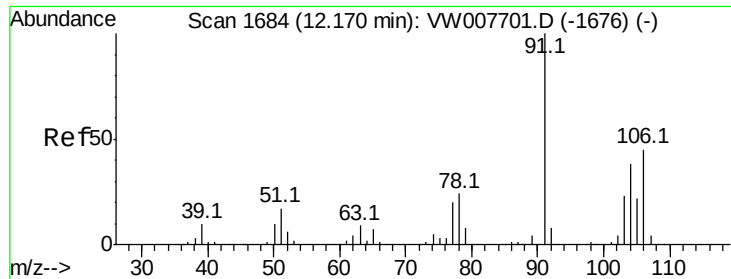
Tgt Ion: 106 Resp: 63788

Ion Ratio Lower Upper

106 100

91 204.9 165.2 247.8

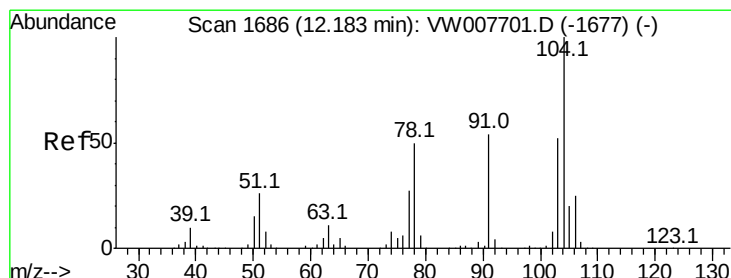
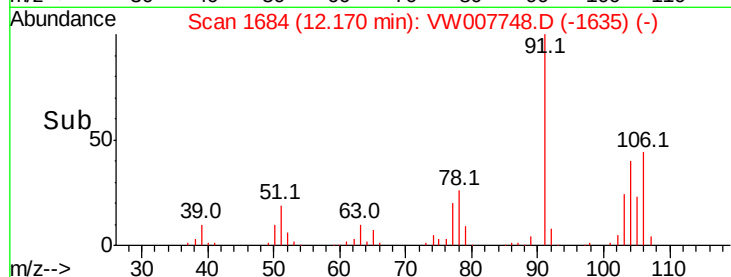
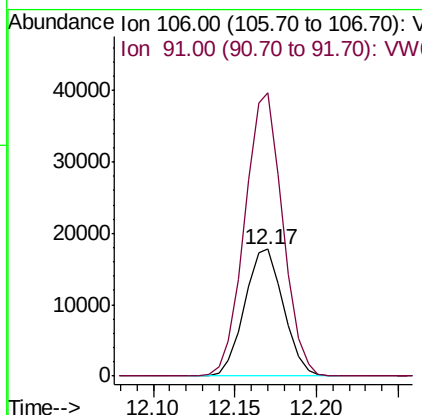
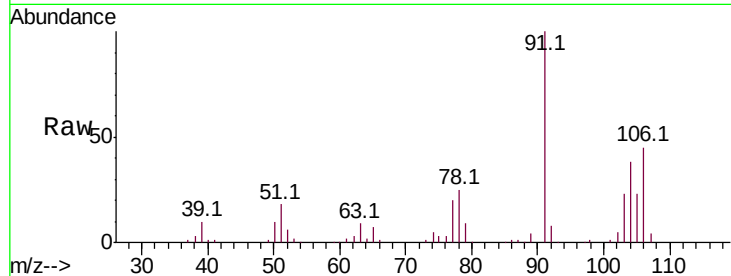




#69
o-Xylene
Concen: 21.556 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

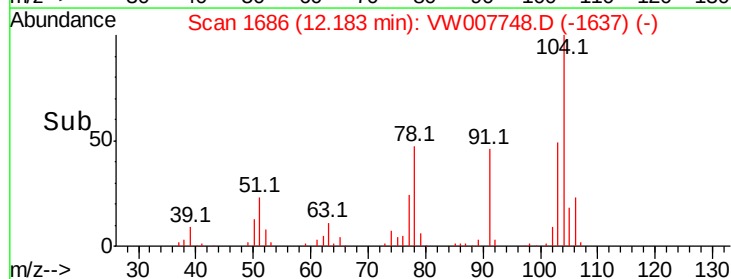
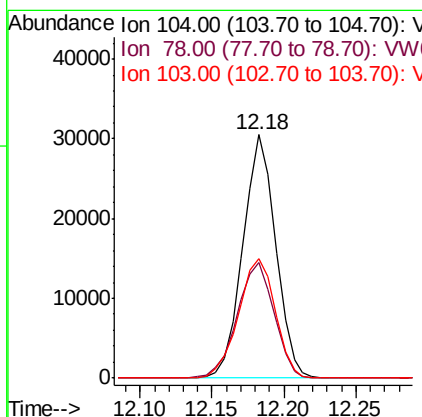
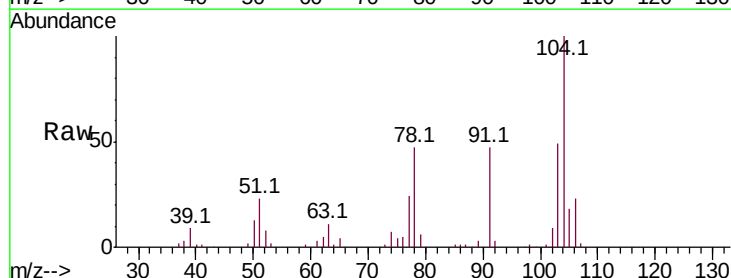
Instrument :
MSVOA_W
ClientSampled :

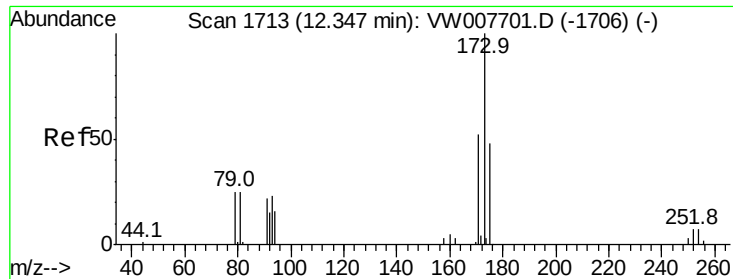
Tot Ion:106 Resp: 29471
Ion Ratio Lower Upper
106 100
91 217.6 110.5 331.4



#70
Styrene
Concen: 21.379 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion:104 Resp: 48048
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.0
103 55.3 44.5 66.7





#71

Bromoform

Concen: 18.773 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampled :

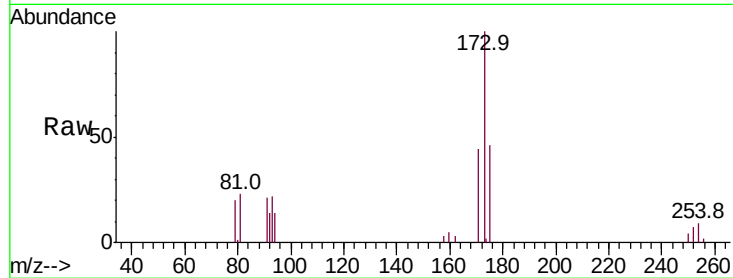
Tot Ion:173 Resp: 7630

Ion Ratio Lower Upper

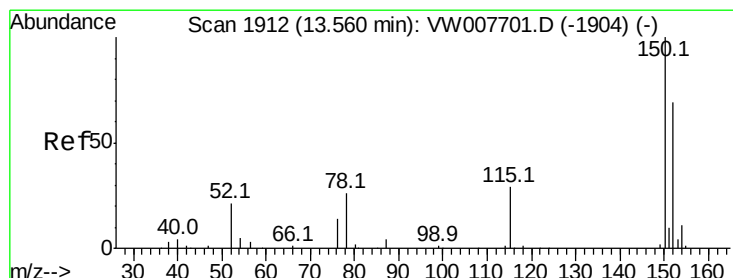
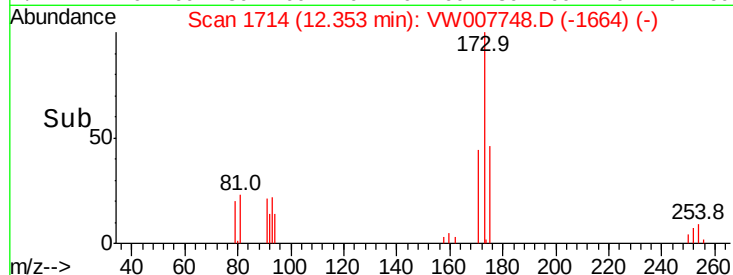
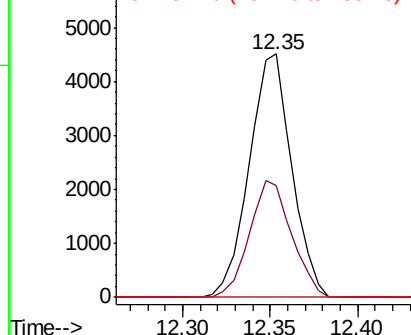
173 100

175 47.3 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: VW007748.D

Acq: 20 Dec 2018 15:49

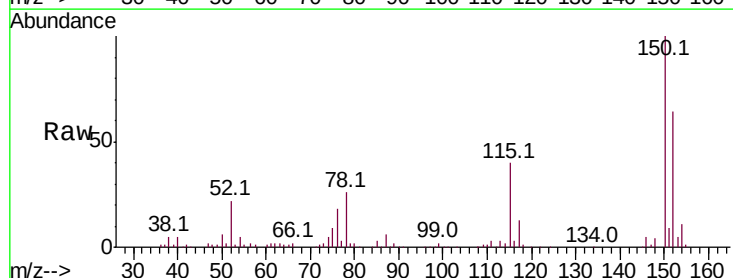
Tgt Ion:152 Resp: 52684

Ion Ratio Lower Upper

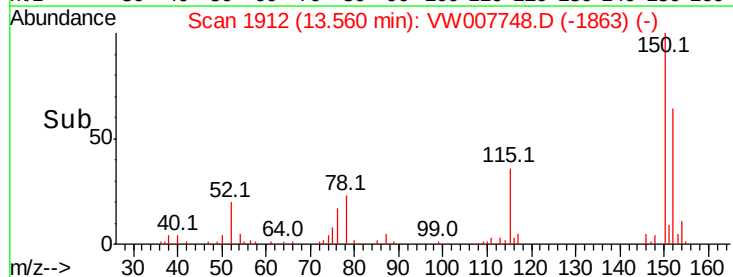
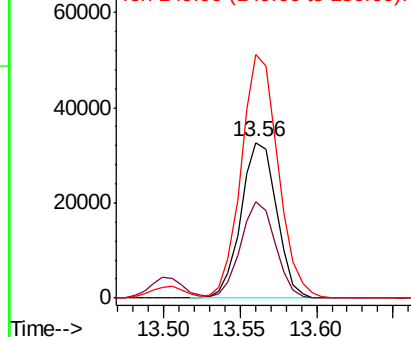
152 100

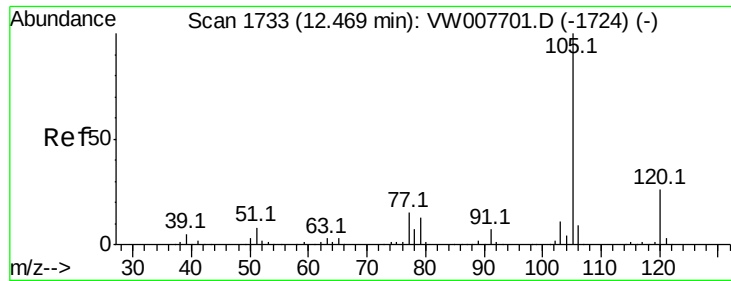
115 60.8 31.8 95.4

150 163.1 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: 20.942 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

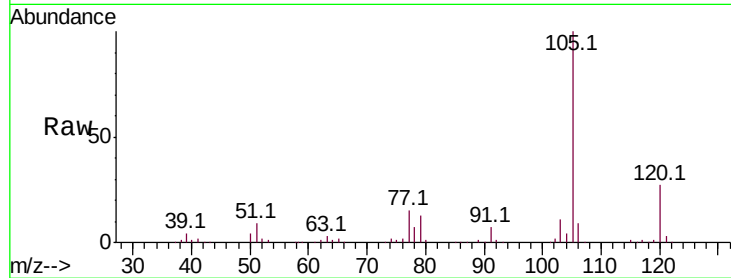
ClientSampleId :

Tot Ion:105 Resp: 83397

Ion Ratio Lower Upper

105 100

120 26.4 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

60000

50000

40000

30000

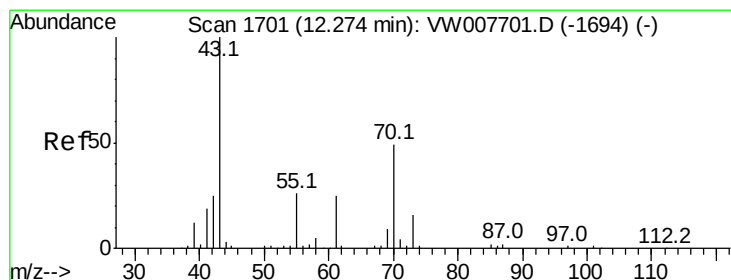
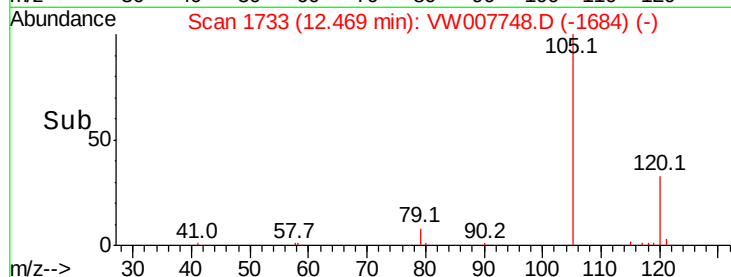
20000

10000

0

Time-->

12.40 12.45 12.50



#74

N-ethyl acetate

Concen: 17.775 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Tgt Ion: 43 Resp: 12261

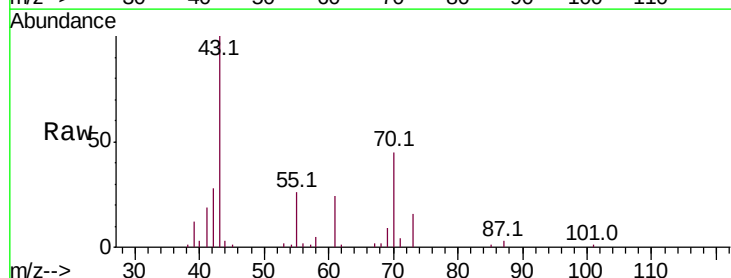
Ion Ratio Lower Upper

43 100

70 45.8 37.6 56.4

55 25.1 21.7 32.5

61 24.9 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

12000

10000

8000

6000

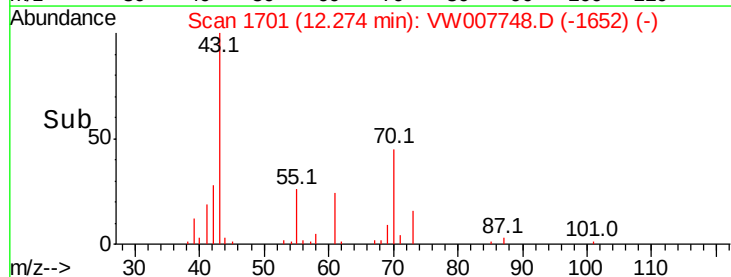
4000

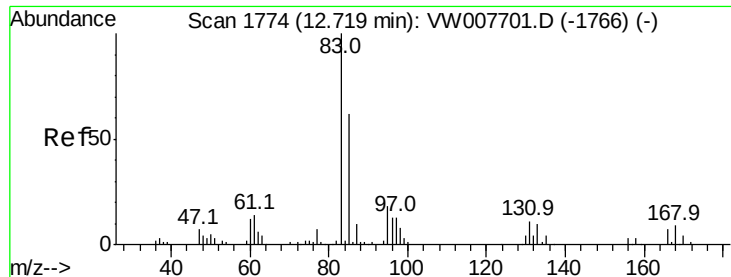
2000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 18.711 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

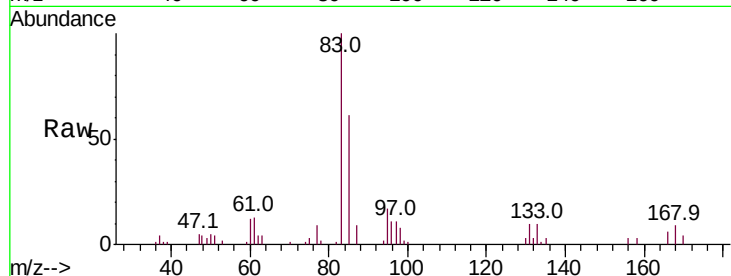
Tot Ion: 83 Resp: 11172

Ion Ratio Lower Upper

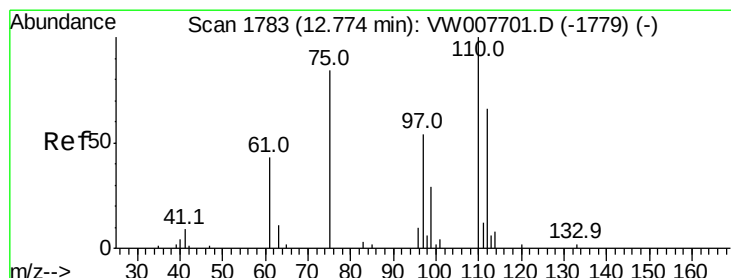
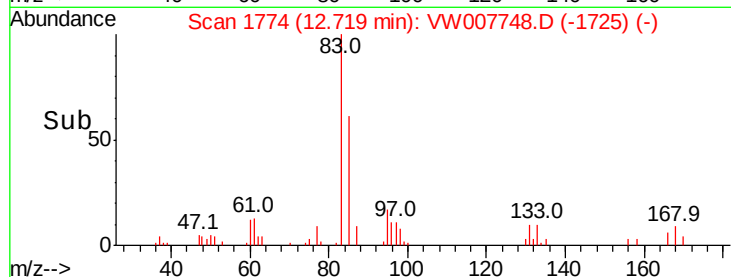
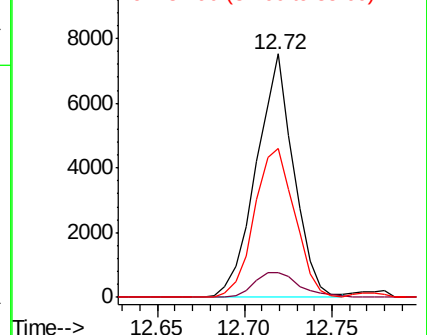
83 100

131 12.5 6.3 18.8

85 65.7 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: 38.824 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007748.D

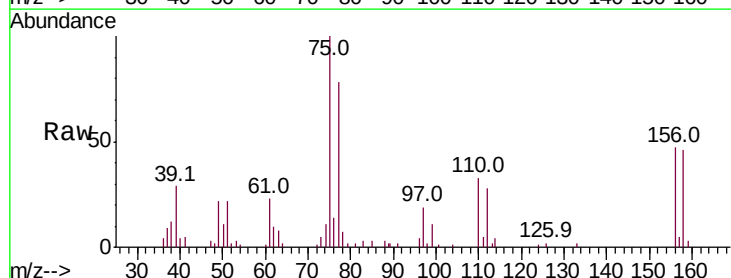
Acq: 20 Dec 2018 15:49

Tgt Ion: 75 Resp: 15809

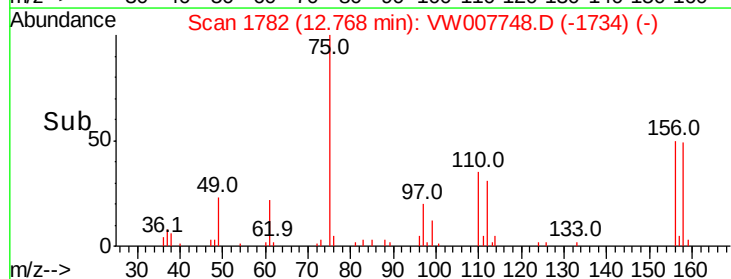
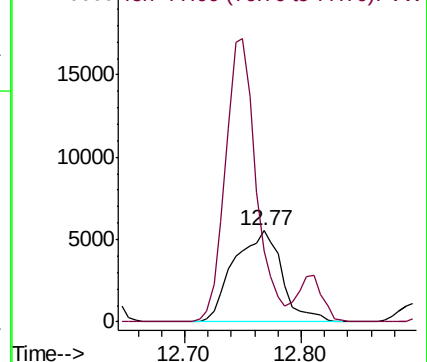
Ion Ratio Lower Upper

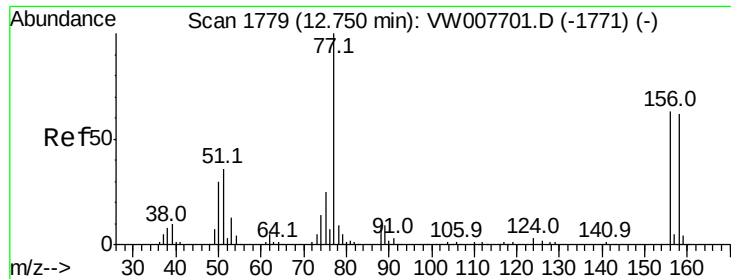
75 100

77 199.6 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: 20.412 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

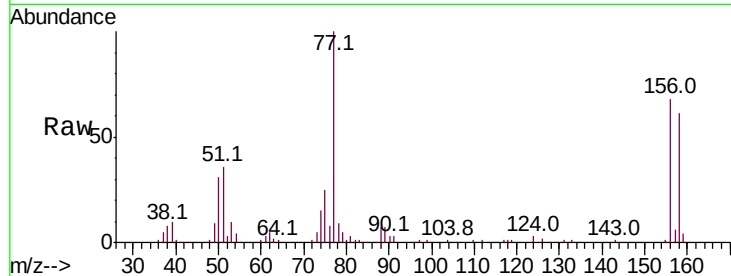
Tot Ion:156 Resp: 18629

Ion Ratio Lower Upper

156 100

77 169.3 87.4 262.1

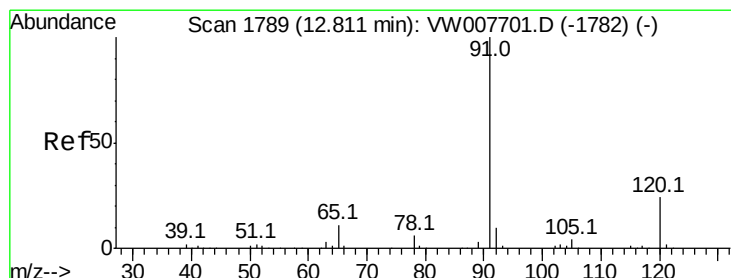
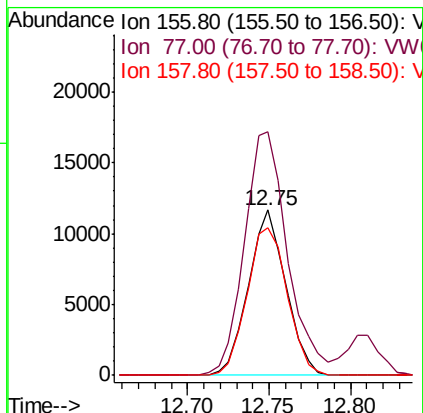
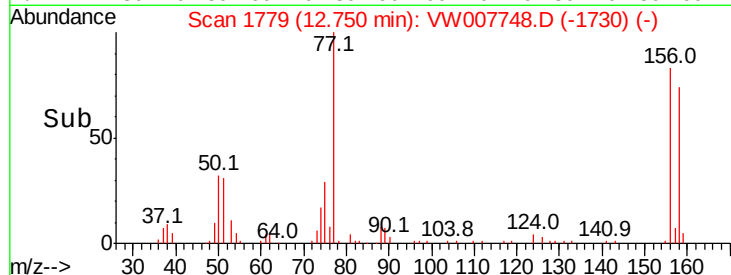
158 95.6 48.4 145.0



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: 21.481 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007748.D

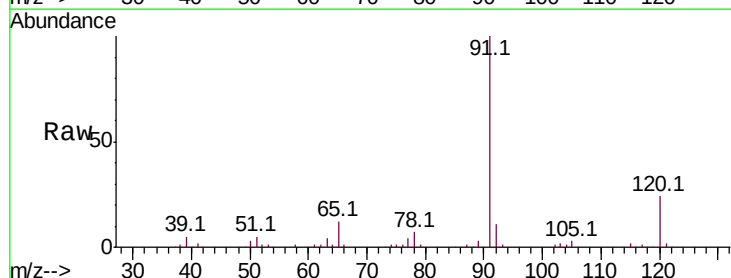
Acq: 20 Dec 2018 15:49

Tgt Ion: 91 Resp: 99577

Ion Ratio Lower Upper

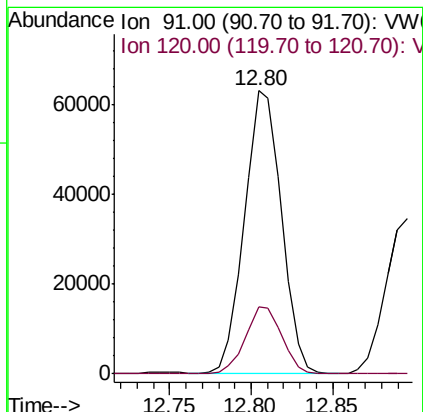
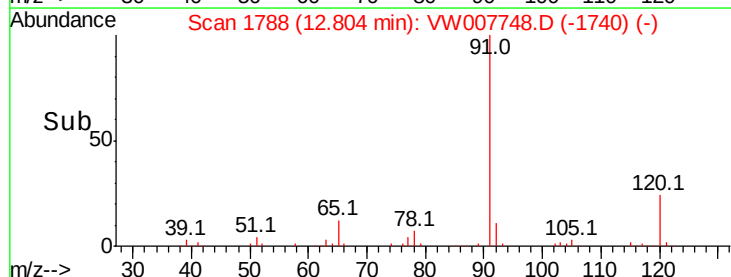
91 100

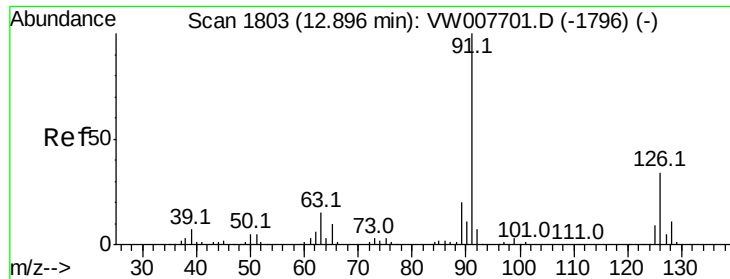
120 23.2 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

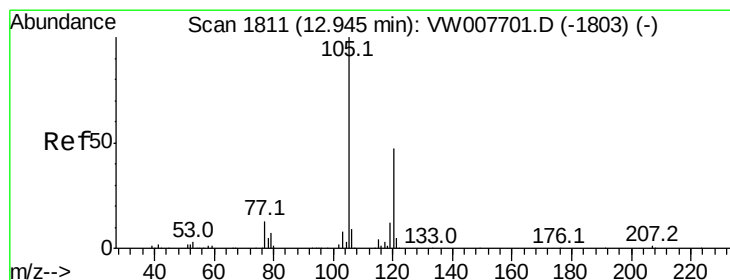
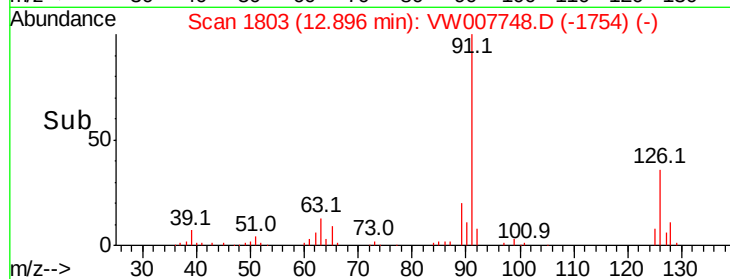
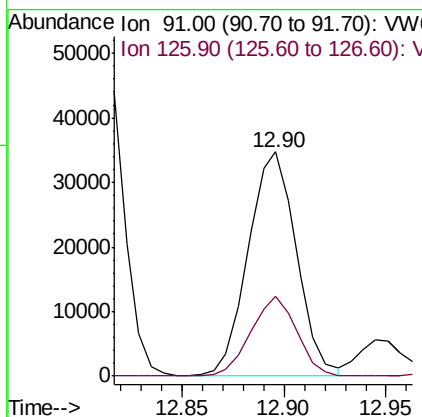
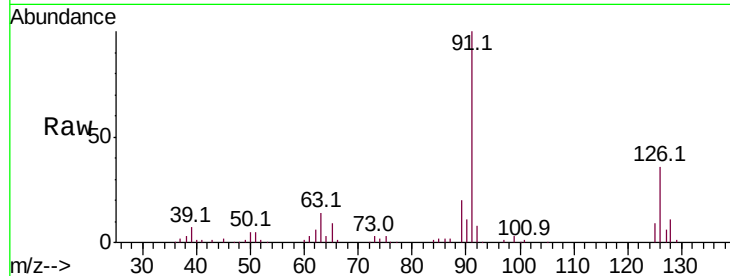




#79
2-Chlorotoluene
Concen: 21.112 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

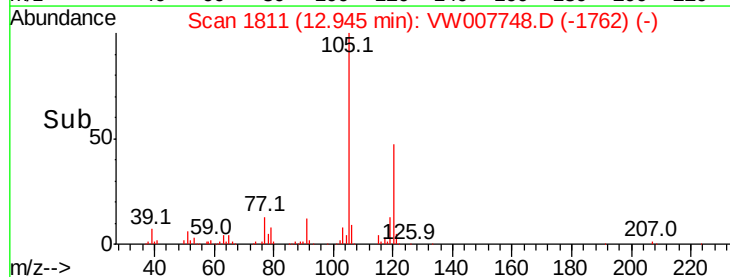
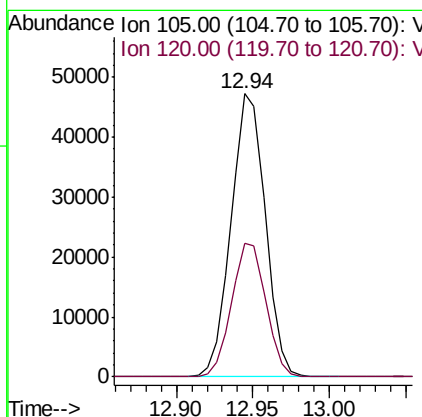
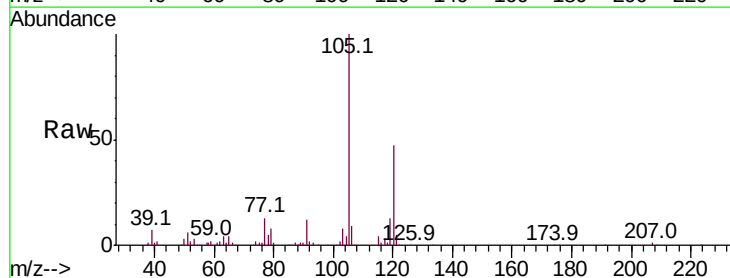
Instrument :
MSVOA_W
ClientSampleId :

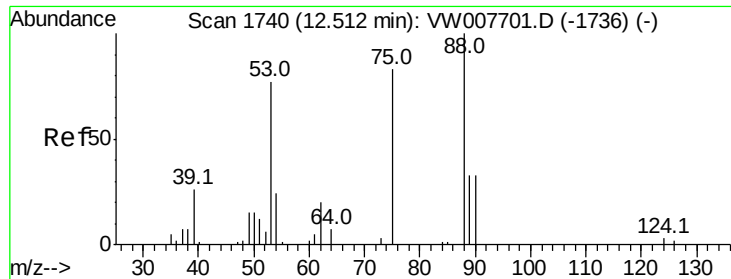
Tot Ion: 91 Resp: 57013
Ion Ratio Lower Upper
91 100
126 34.1 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 21.322 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion:105 Resp: 73243
Ion Ratio Lower Upper
105 100
120 47.3 23.6 70.8

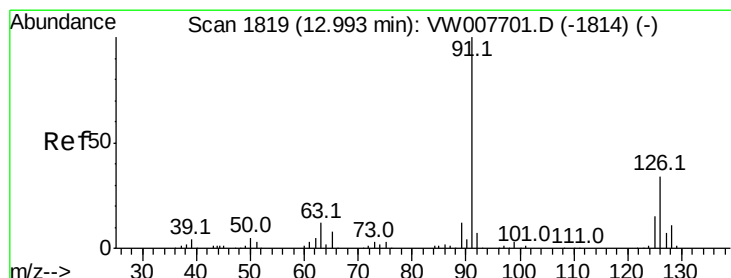
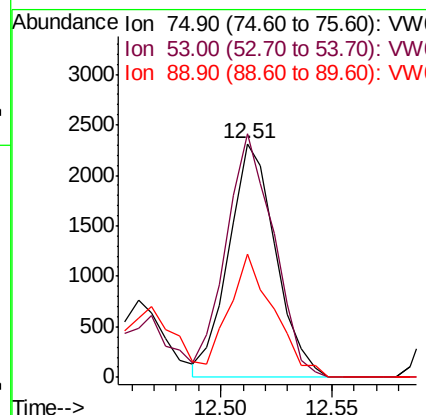
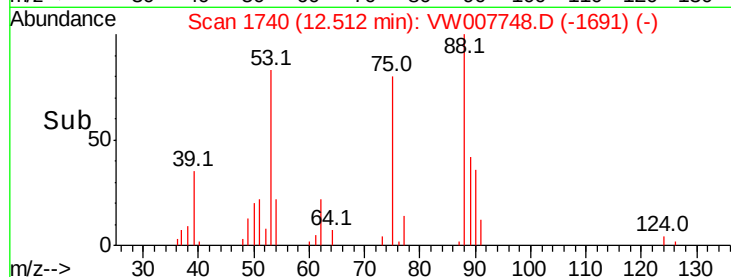
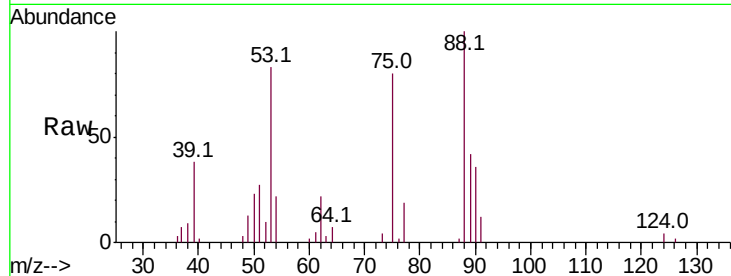




#81
trans-1,4-Dichloro-2-butene
Concen: 17.511 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

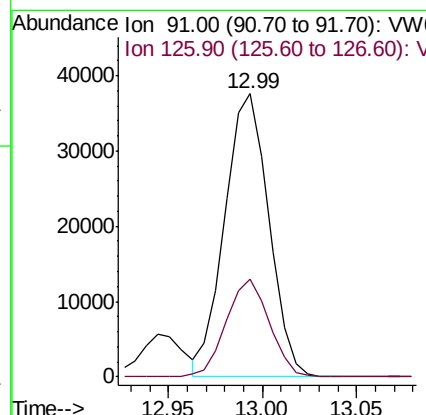
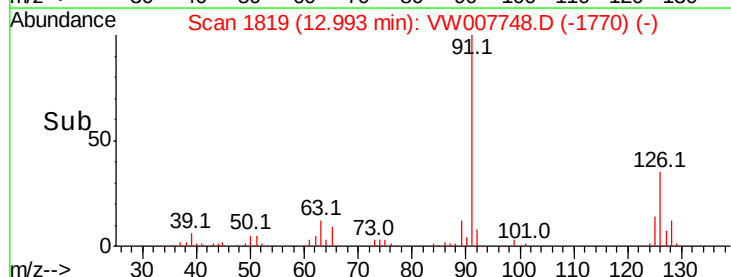
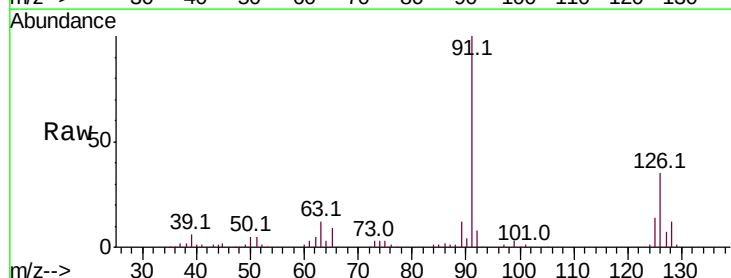
Instrument :
MSVOA_W
ClientSampleId :

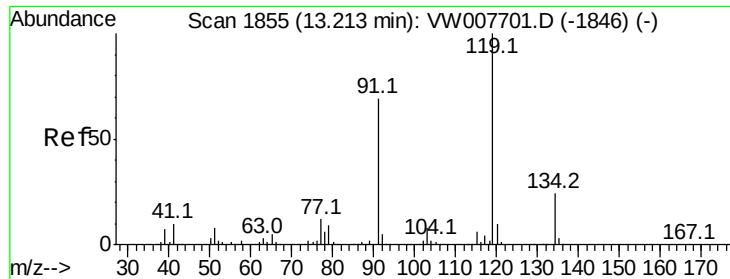
Tot Ion: 75 Resp: 3397
Ion Ratio Lower Upper
75 100
53 106.1 80.2 120.2
89 50.4 39.2 58.8



#82
4-Chlorotoluene
Concen: 21.214 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion: 91 Resp: 60998
Ion Ratio Lower Upper
91 100
126 33.8 16.5 49.5

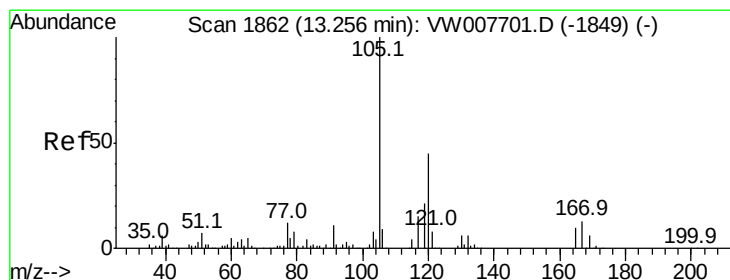
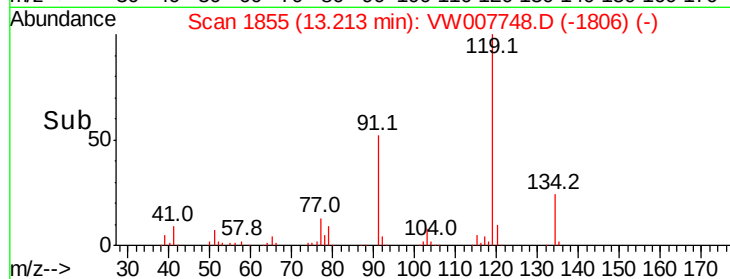
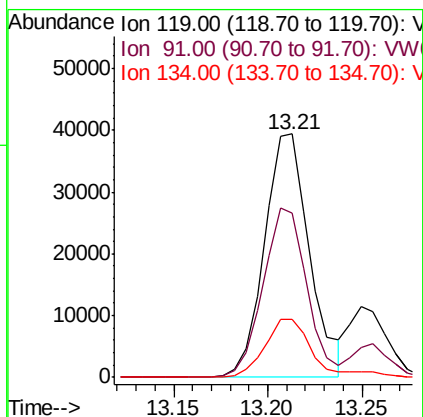
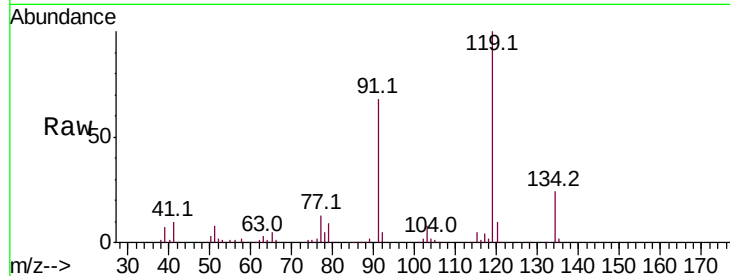




#83
tert-Butylbenzene
Concen: 21.712 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

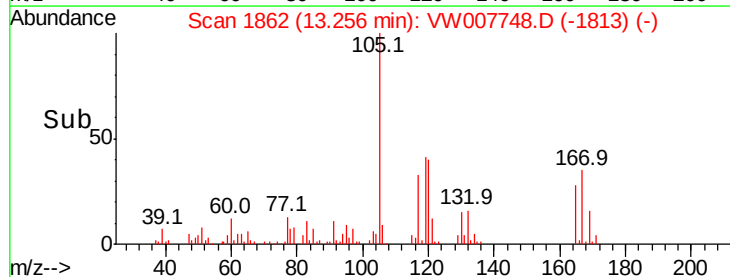
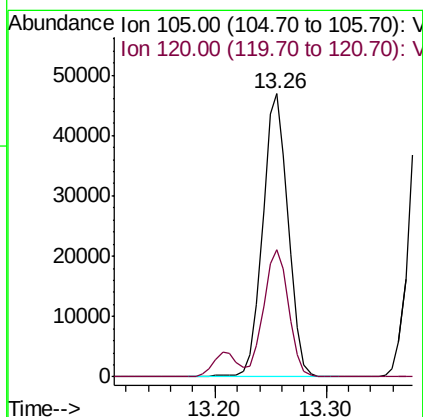
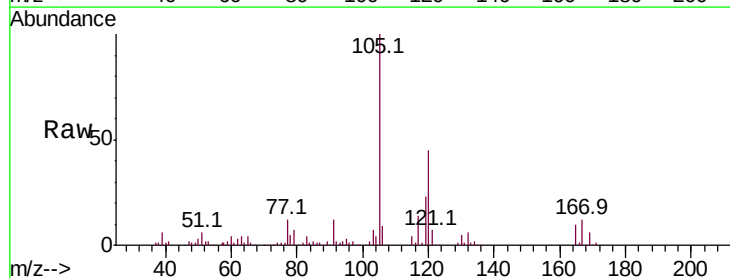
Instrument :
MSVOA_W
ClientSampleId :

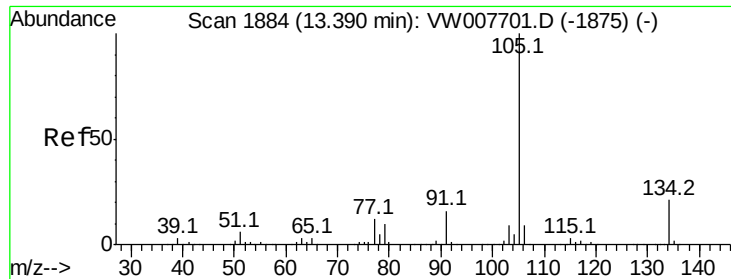
Tot Ion:119 Resp: 65439
Ion Ratio Lower Upper
119 100
91 67.6 34.2 102.5
134 25.7 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 21.531 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion:105 Resp: 74628
Ion Ratio Lower Upper
105 100
120 44.2 22.0 66.0

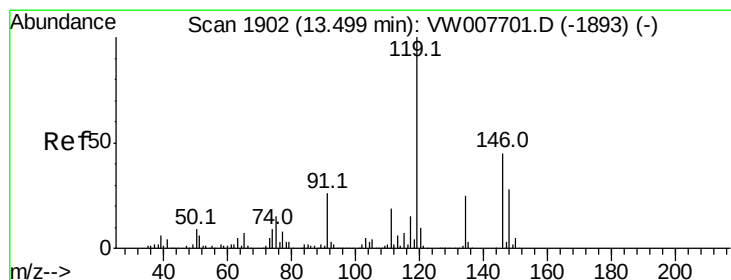
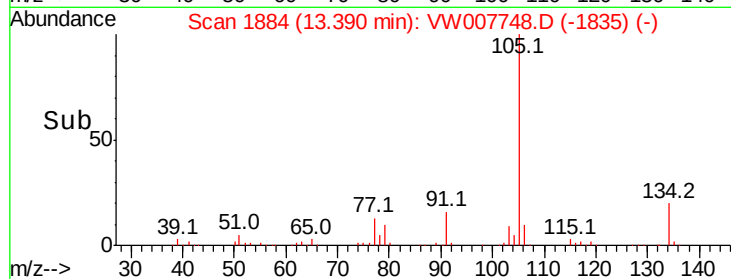
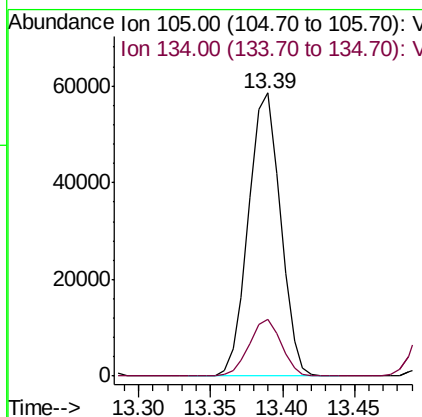
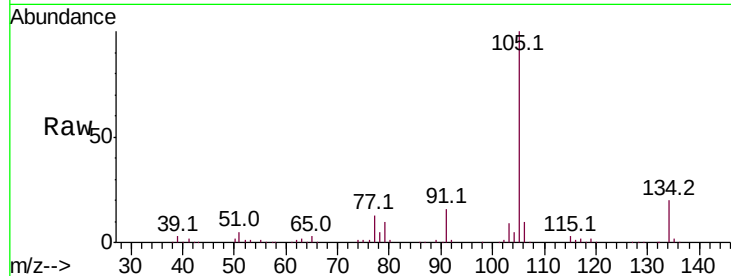




#85
 sec-Butylbenzene
 Concen: 21.726 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

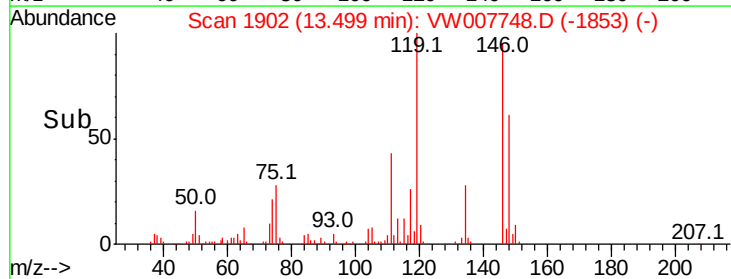
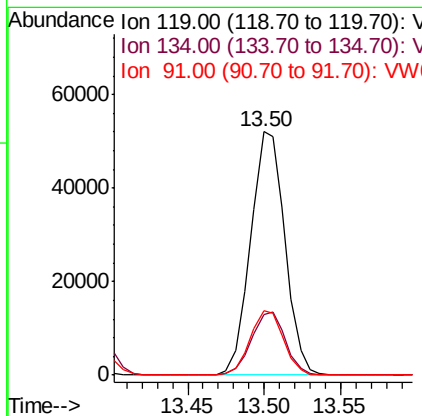
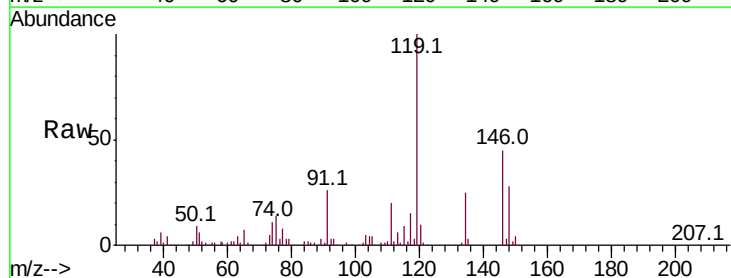
Instrument :
 MSVOA_W
 ClientSampleId :

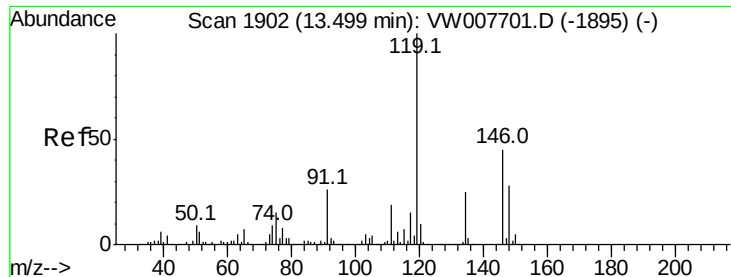
Tot Ion:105 Resp: 90246
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 21.481 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion:119 Resp: 81137
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 39.0
 91 25.9 12.8 38.4

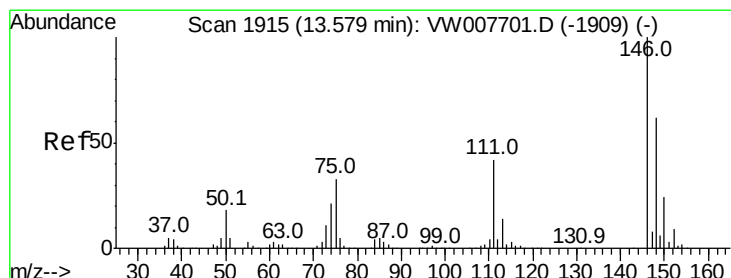
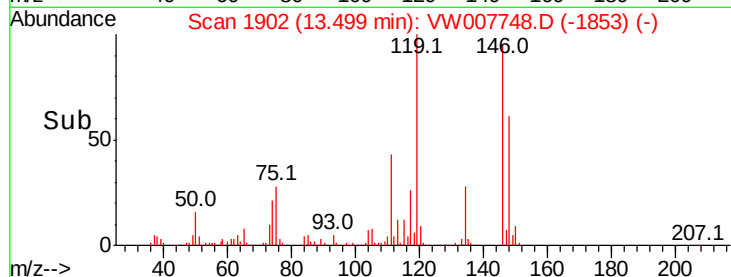
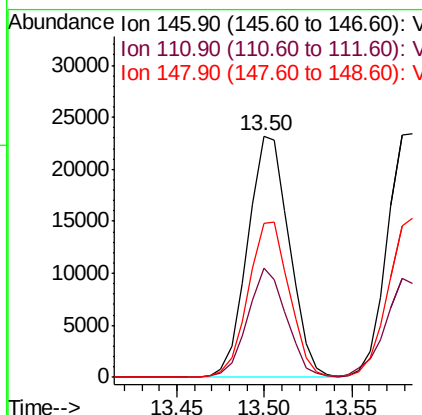
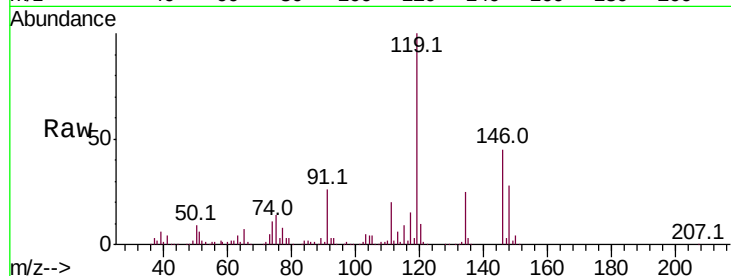




#87
1,3-Dichlorobenzene
Concen: 21.170 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

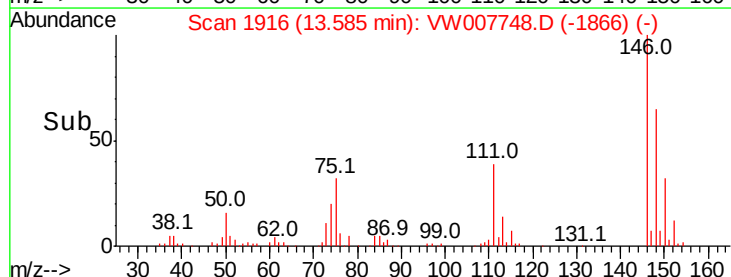
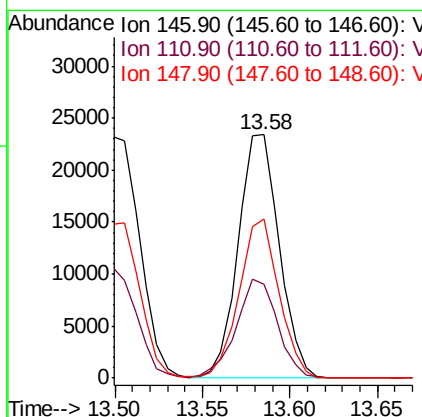
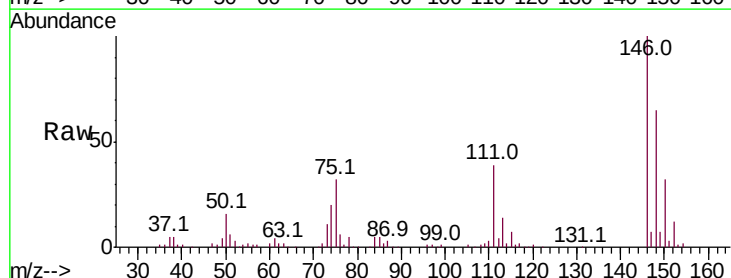
Instrument :
MSVOA_W
ClientSampleId :

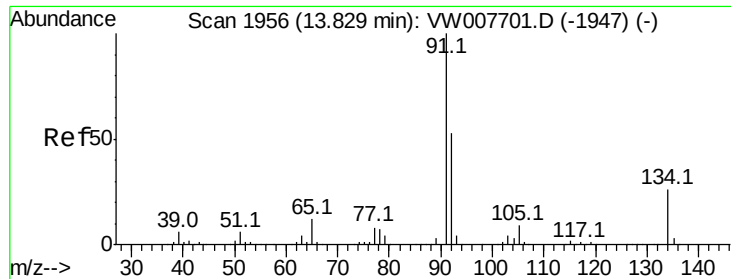
Tot Ion:146 Resp: 38361
Ion Ratio Lower Upper
146 100
111 42.2 21.1 63.4
148 63.4 32.1 96.5



#88
1,4-Dichlorobenzene
Concen: 21.085 ug/l
RT: 13.58 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion:146 Resp: 38218
Ion Ratio Lower Upper
146 100
111 40.9 21.0 63.0
148 63.4 31.8 95.4





#89

n-Butylbenzene

Concen: 21.847 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

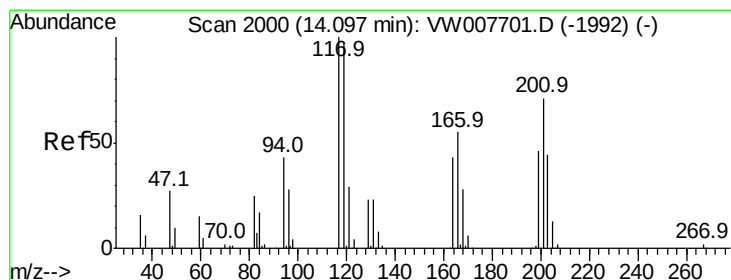
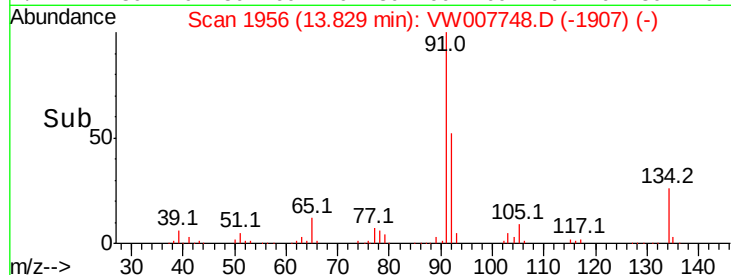
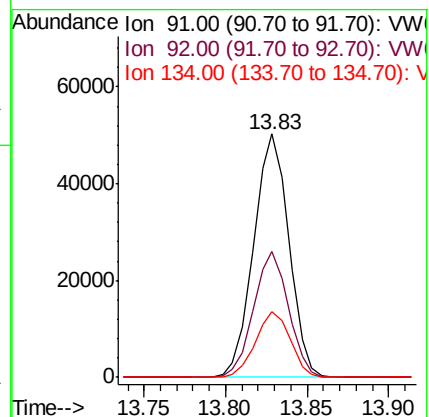
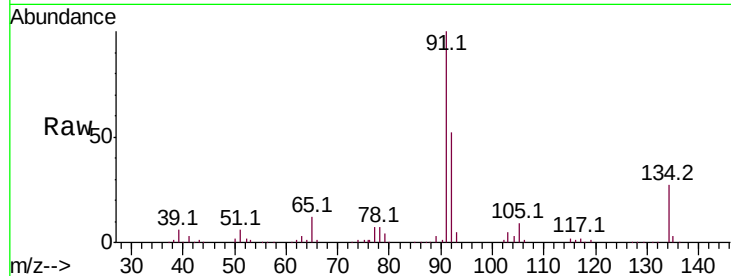
Tot Ion: 91 Resp: 75661

Ion Ratio Lower Upper

91 100

92 51.4 26.4 79.2

134 26.8 13.7 41.0



#90

Hexachloroethane

Concen: 21.254 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007748.D

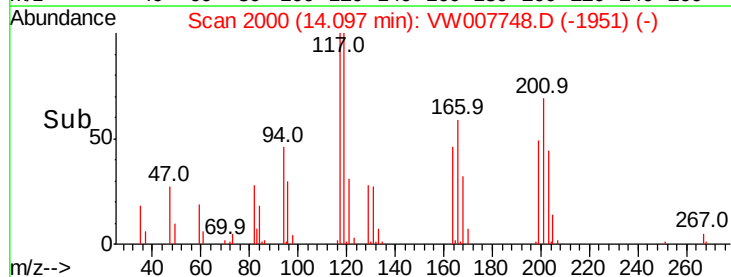
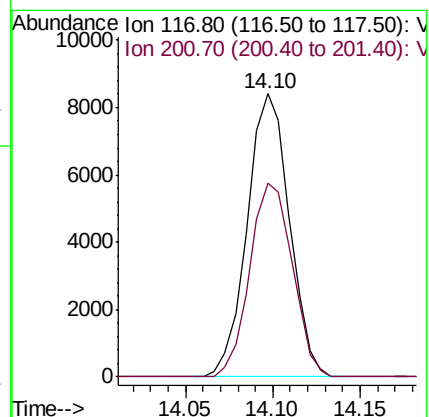
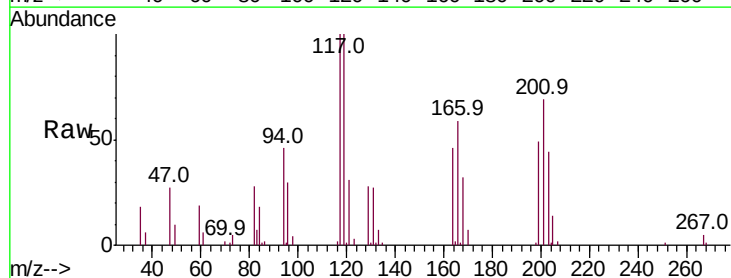
Acq: 20 Dec 2018 15:49

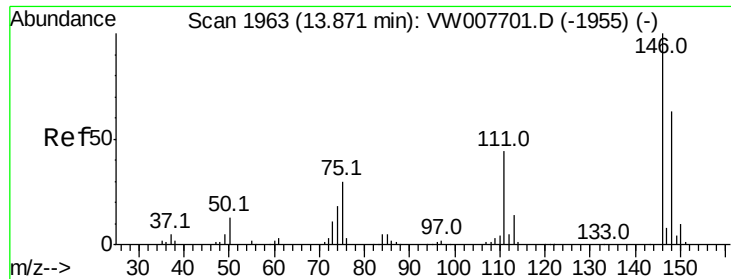
Tgt Ion: 117 Resp: 14094

Ion Ratio Lower Upper

117 100

201 69.3 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 20.414 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

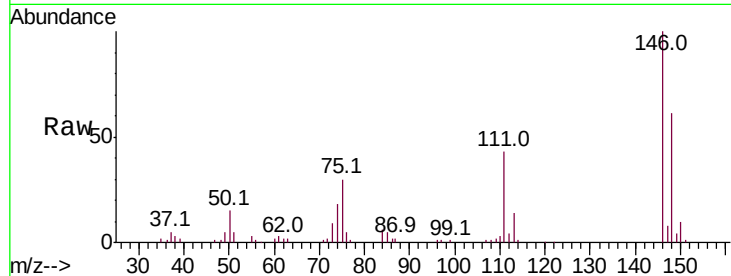
Tot Ion:146 Resp: 33120

Ion Ratio Lower Upper

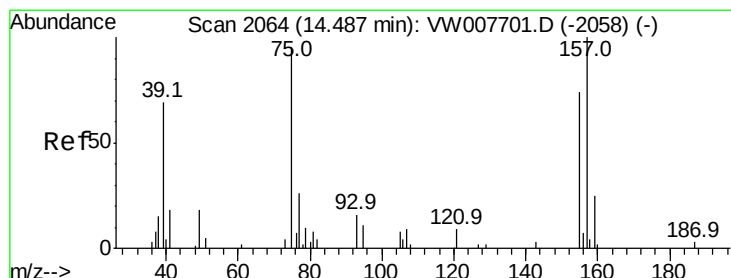
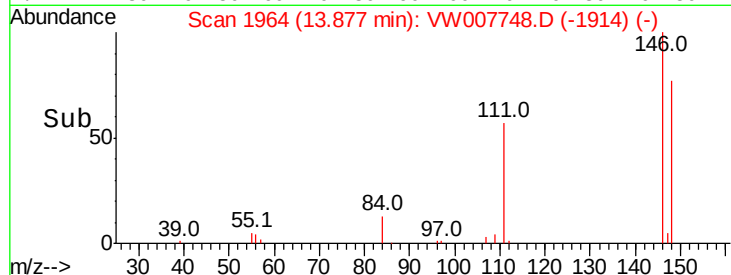
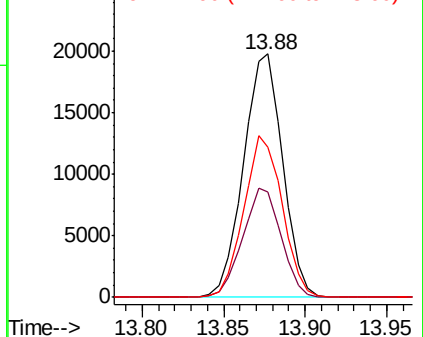
146 100

111 44.0 21.7 65.1

148 64.8 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: 17.045 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007748.D

Acq: 20 Dec 2018 15:49

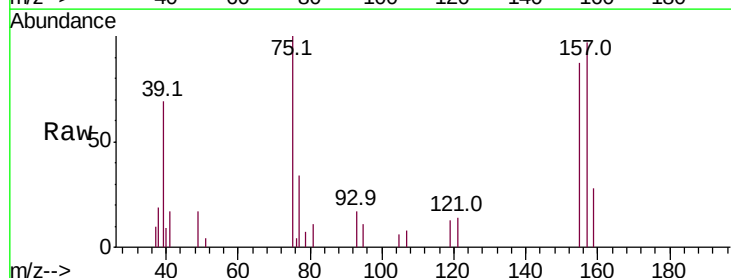
Tgt Ion: 75 Resp: 2090

Ion Ratio Lower Upper

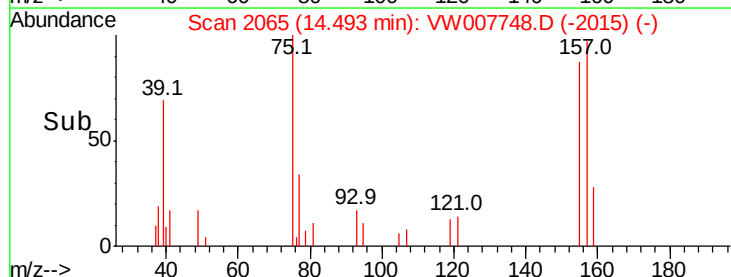
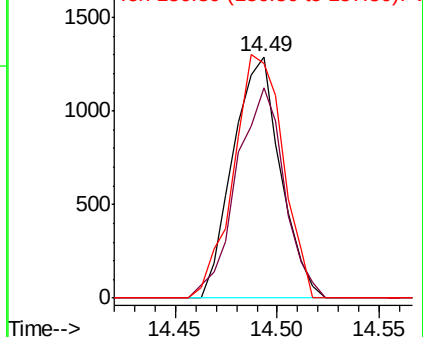
75 100

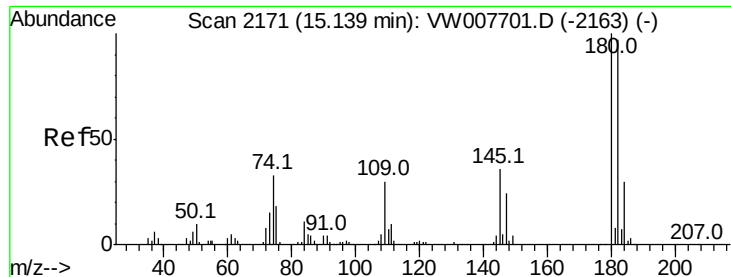
155 87.7 39.4 118.1

157 104.8 52.0 156.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

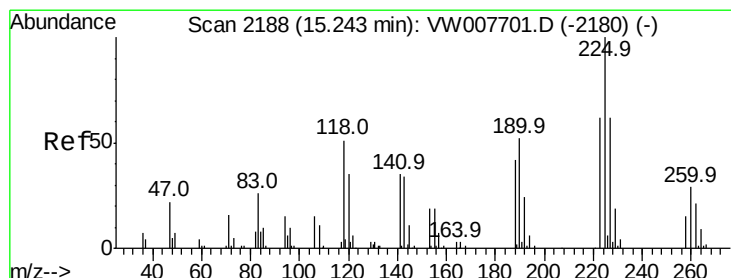
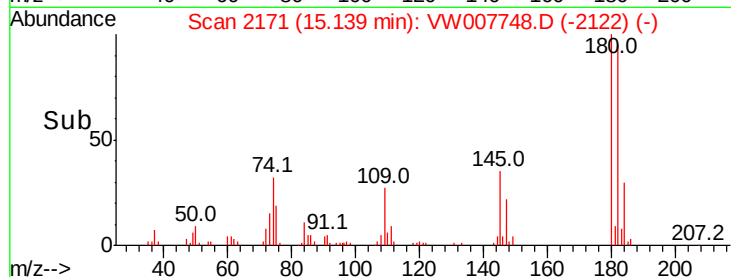
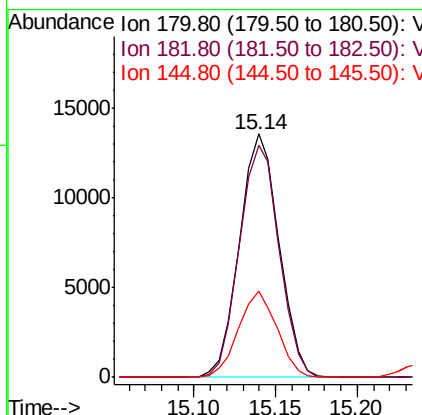
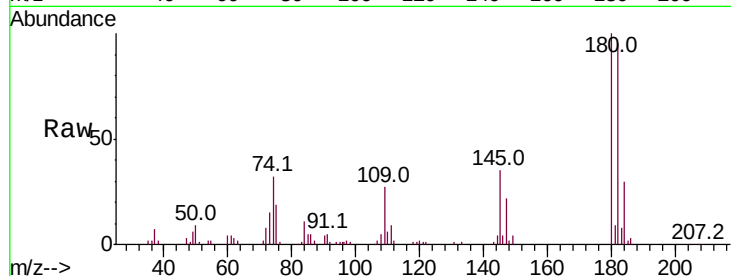




#93
 1,2,4-Trichlorobenzene
 Concen: 20.281 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

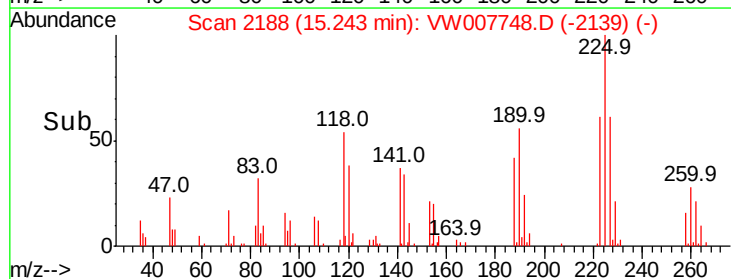
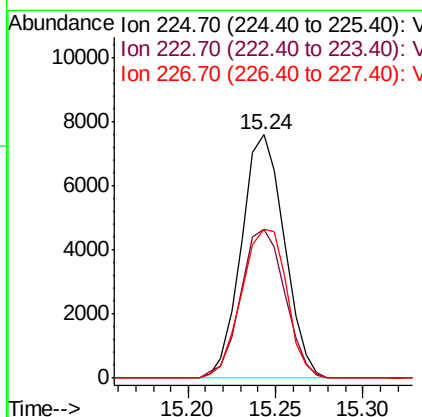
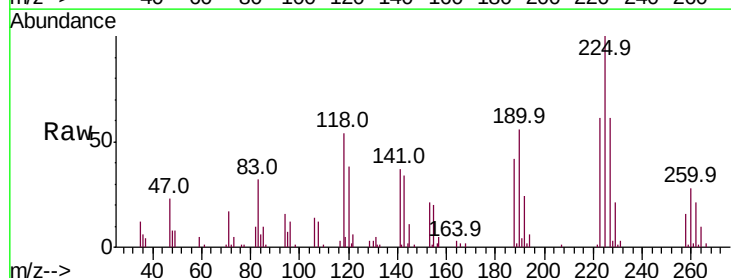
Instrument :
 MSVOA_W
 ClientSampleId :

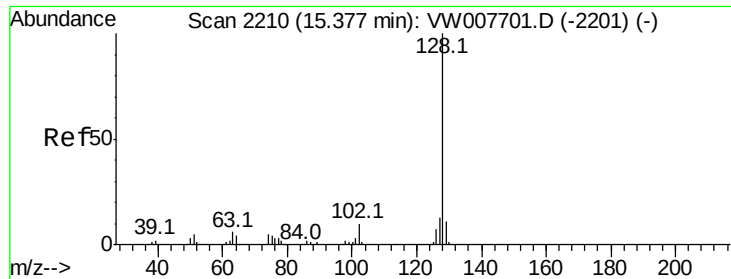
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	34.6	17.5	52.5



#94
 Hexachlorobutadiene
 Concen: 21.494 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007748.D
 Acq: 20 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	94.8
227	64.6	32.1	96.3

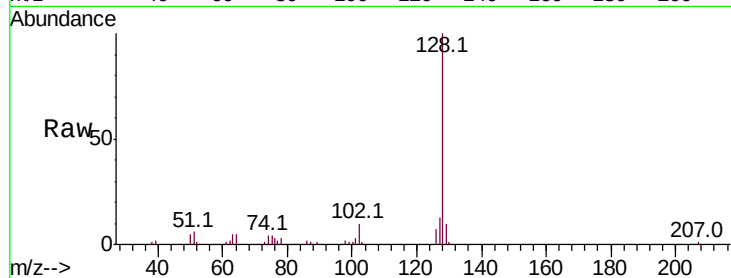




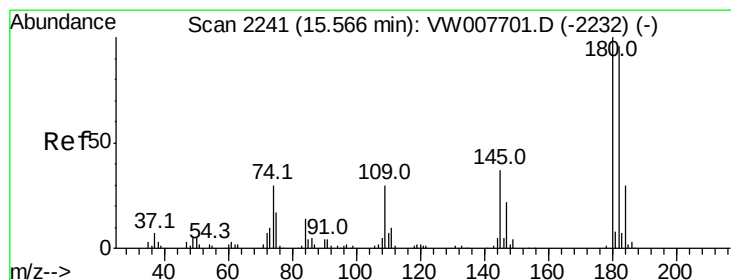
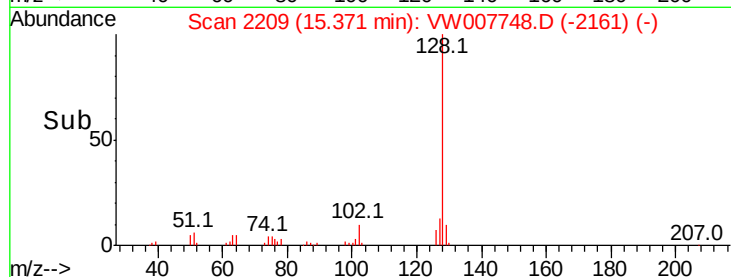
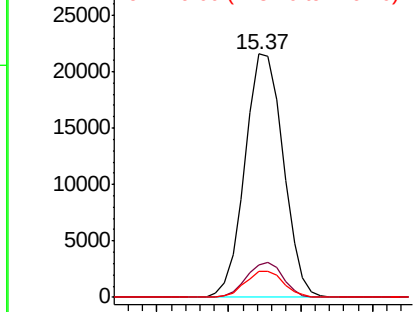
#95
Naphthalene
Concen: 19.064 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 39693
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 10.6 8.8 13.2

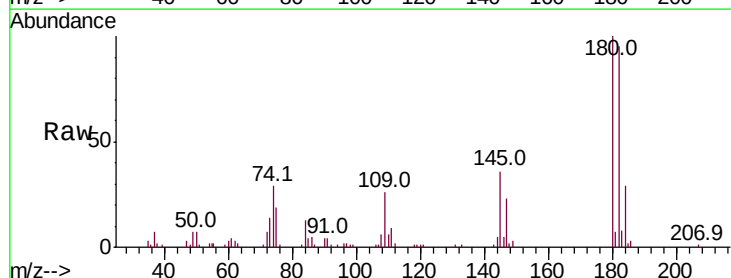


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.222 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007748.D
Acq: 20 Dec 2018 15:49

Tgt Ion:180 Resp: 19494
Ion Ratio Lower Upper
180 100
182 94.7 47.4 142.2
145 36.0 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

