

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007476.D
 Acq On : 13 Dec 2018 09:59
 Operator : SY/AP
 Sample : VW1212SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBSD01

Quant Time: Dec 13 11:35:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	77748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	134106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	119528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60681	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	42186	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	7.88	113	39878	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	10.32	98	153759	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.62	95	58266	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	11613	21.375	ug/l	90
3) Chloromethane	2.21	50	9501	20.880	ug/l	97
4) Vinyl Chloride	2.37	62	11583	21.692	ug/l	90
5) Bromomethane	2.78	94	7806	21.757	ug/l	97
6) Chloroethane	2.92	64	6227	21.185	ug/l	90
7) Trichlorofluoromethane	3.25	101	9093	18.941	ug/l	94
8) Diethyl Ether	3.68	74	7500	19.960	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15956	20.143	ug/l	99
10) Methyl Iodide	4.26	142	27620	21.053	ug/l	98
11) Tert butyl alcohol	5.18	59	6276	105.944	ug/l	95
12) 1,1-Dichloroethene	4.03	96	15914	20.866	ug/l	93
13) Acrolein	3.89	56	3397	86.662	ug/l	98
14) Allyl chloride	4.66	41	22447	19.967	ug/l	100
15) Acrylonitrile	5.37	53	16061	101.396	ug/l	99
16) Acetone	4.12	43	13764	91.357	ug/l	98
17) Carbon Disulfide	4.37	76	47619	20.592	ug/l	96
18) Methyl Acetate	4.67	43	9221	22.550	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	24469	21.267	ug/l	99
20) Methylene Chloride	4.92	84	19433	21.341	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	17647	20.684	ug/l	95
22) Diisopropyl ether	6.31	45	44951	20.802	ug/l	95
23) Vinyl Acetate	6.26	43	120095	99.362	ug/l	98
24) 1,1-Dichloroethane	6.21	63	30364	20.791	ug/l	99
25) 2-Butanone	7.17	43	19315	98.200	ug/l	95
26) 2,2-Dichloropropane	7.16	77	18281	18.913	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	19531	20.907	ug/l	99
28) Bromochloromethane	7.51	49	11838	21.549	ug/l	98
29) Tetrahydrofuran	7.53	42	12682	101.849	ug/l	97
30) Chloroform	7.68	83	32687	20.566	ug/l	98
31) Cyclohexane	7.95	56	25545	19.064	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	28242	20.263	ug/l	100
36) 1,1-Dichloropropene	8.08	75	24504	20.030	ug/l	98
37) Ethyl Acetate	7.25	43	9024	19.832	ug/l	99
38) Carbon Tetrachloride	8.07	117	26258	19.726	ug/l	95

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Instrument :
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 ClientSampleId :
 VW1216SBSD01

Quant Time: Dec 13 11:35:22 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29788	20.109	ug/l	95
40) Benzene	8.32	78	69465	20.461	ug/l	97
41) Methacrylonitrile	7.49	41	5833	22.512	ug/l	95
42) 1,2-Dichloroethane	8.40	62	22232	20.846	ug/l	99
43) Isopropyl Acetate	8.43	43	18412	20.485	ug/l	99
44) Trichloroethene	9.09	130	20514	21.160	ug/l	98
45) 1,2-Dichloropropane	9.37	63	16762	21.335	ug/l	100
46) Dibromomethane	9.46	93	9663	21.658	ug/l	92
47) Bromodichloromethane	9.65	83	24592	21.014	ug/l	98
48) Methyl methacrylate	9.43	41	8936	19.359	ug/l	97
49) 1,4-Dioxane	9.45	88	3299	455.710	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	43663	102.815	ug/l	97
52) Toluene	10.39	92	46662	21.238	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	23089	20.322	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	26195	19.944	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	13234	21.794	ug/l #	89
56) Ethyl methacrylate	10.65	69	15501	21.238	ug/l	99
57) 1,3-Dichloropropane	10.93	76	22083	22.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	33403	99.244	ug/l	99
59) 2-Hexanone	10.97	43	28981	102.343	ug/l	99
60) Dibromochloromethane	11.13	129	16374	21.367	ug/l	98
61) 1,2-Dibromoethane	11.23	107	12978	21.627	ug/l	96
64) Tetrachloroethene	10.86	164	17809	20.719	ug/l	92
65) Chlorobenzene	11.66	112	51604	20.713	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	17962	20.471	ug/l	97
67) Ethyl Benzene	11.73	91	90481	21.124	ug/l	92
68) m/p-Xylenes	11.84	106	69886	41.969	ug/l	99
69) o-Xylene	12.17	106	33413	21.485	ug/l	97
70) Styrene	12.18	104	55540	22.111	ug/l	98
71) Bromoform	12.35	173	9004	20.048	ug/l #	99
73) Isopropylbenzene	12.47	105	93237	20.053	ug/l	99
74) N-amyl acetate	12.27	43	16699	19.762	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	14241	20.679	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	18848	37.671	ug/l	36
77) Bromobenzene	12.75	156	21003	20.379	ug/l	97
78) n-propylbenzene	12.81	91	108082	20.655	ug/l	100
79) 2-Chlorotoluene	12.90	91	63657	20.105	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	80656	20.645	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4101	18.106	ug/l	96
82) 4-Chlorotoluene	12.99	91	67342	20.177	ug/l	97
83) tert-Butylbenzene	13.21	119	70019	20.340	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	81501	20.272	ug/l	100
85) sec-Butylbenzene	13.39	105	96826	20.604	ug/l	95
86) p-Isopropyltoluene	13.51	119	86492	20.487	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	42005	20.442	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	42030	20.345	ug/l	98
89) n-Butylbenzene	13.83	91	78836	20.143	ug/l	98
90) Hexachloroethane	14.10	117	15119	20.127	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	37392	20.316	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2797	20.239	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

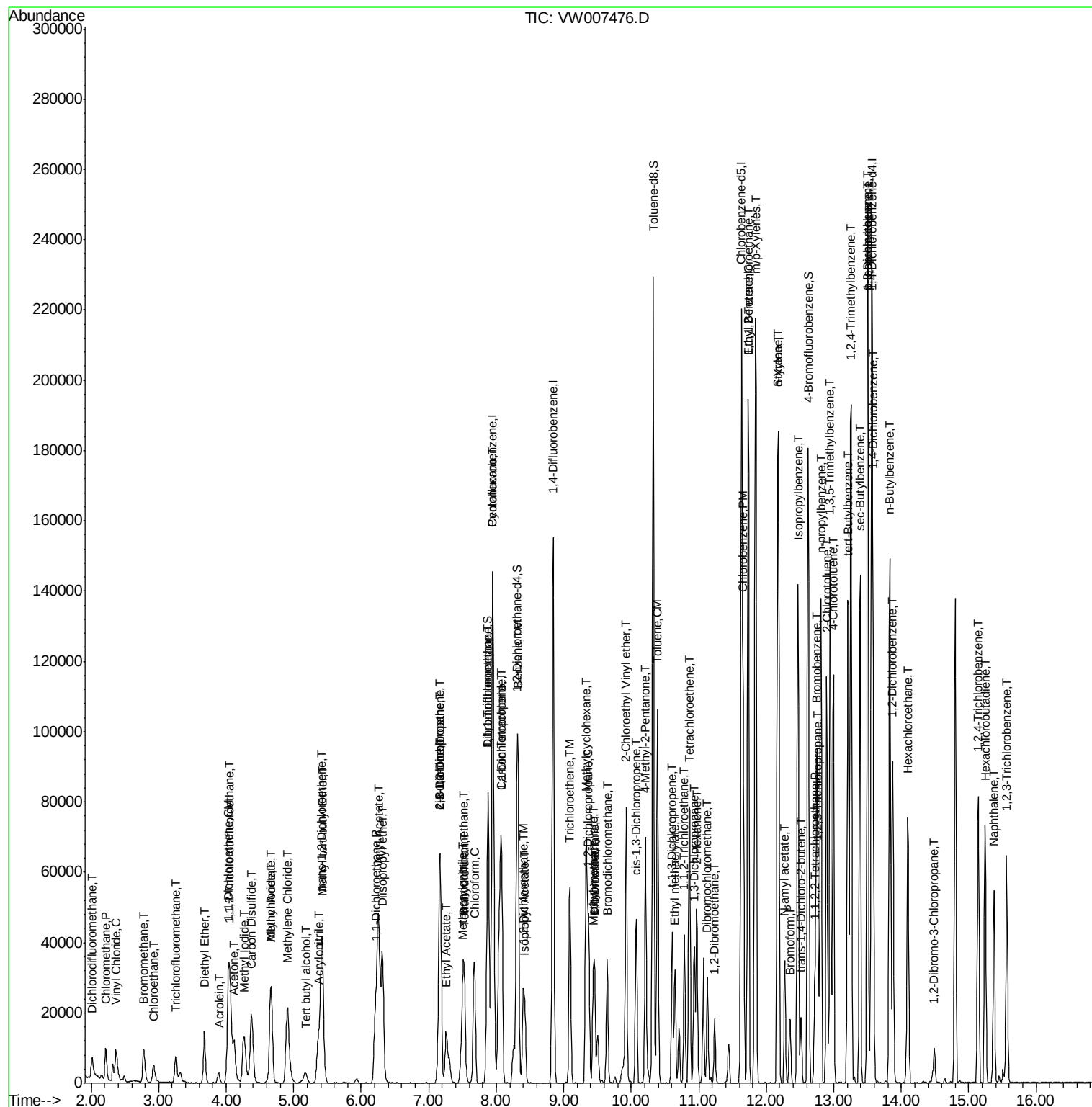
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25402	20.055	ug/l	97
94) Hexachlorobutadiene	15.24	225	13148	19.564	ug/l	98
95) Naphthalene	15.37	128	48609	20.061	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	22108	20.093	ug/l	97

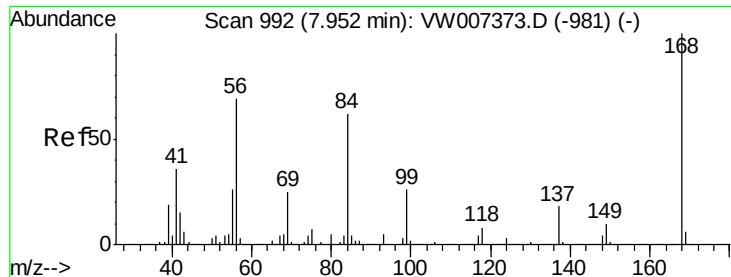
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

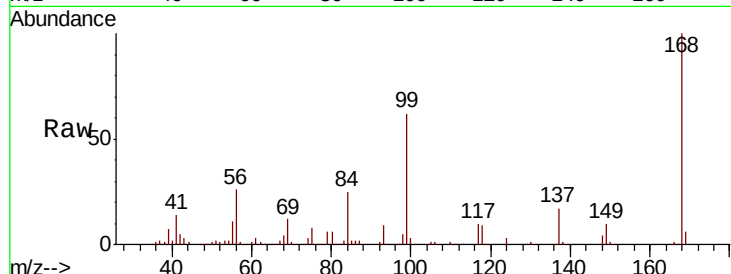
VW1216SBSD01

Tot Ion:168 Resp: 77748

Ion Ratio Lower Upper

168 100

99 61.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

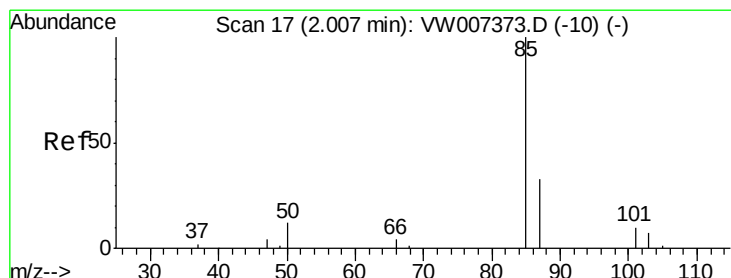
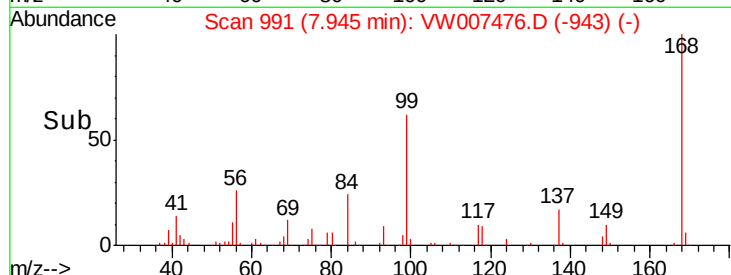
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.375 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007476.D

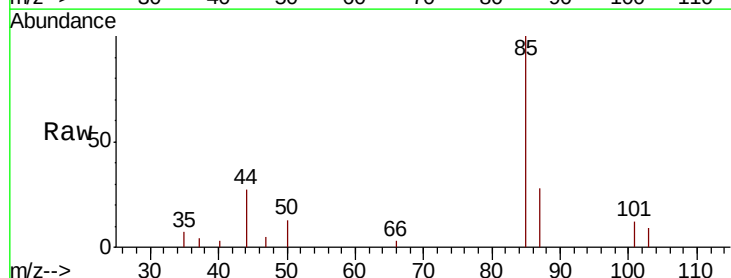
Acq: 13 Dec 2018 09:59

Tgt Ion: 85 Resp: 11613

Ion Ratio Lower Upper

85 100

87 27.7 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

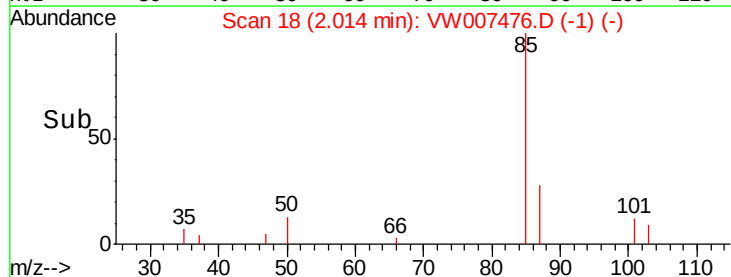
2000

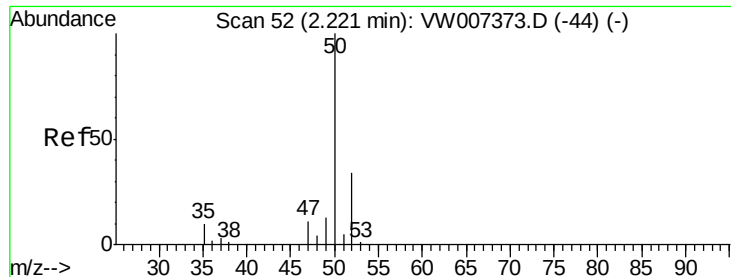
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.880 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

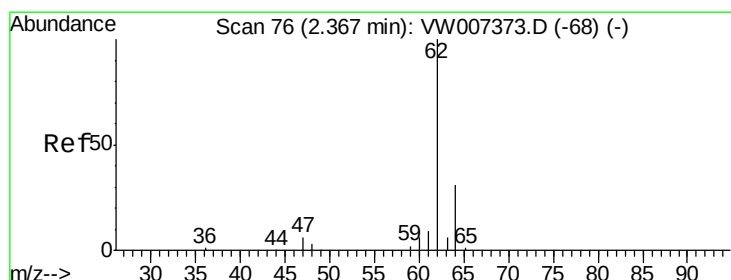
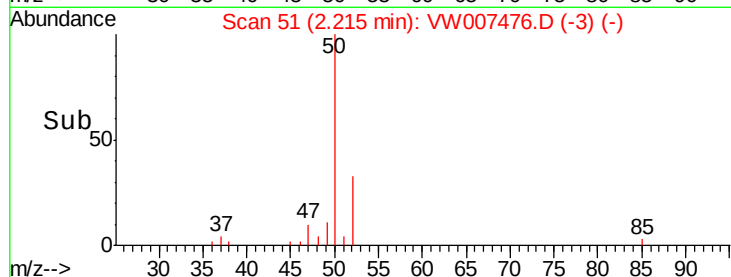
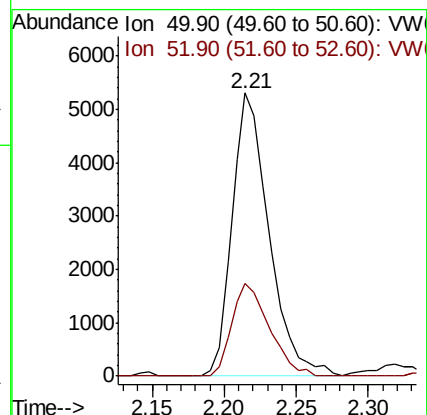
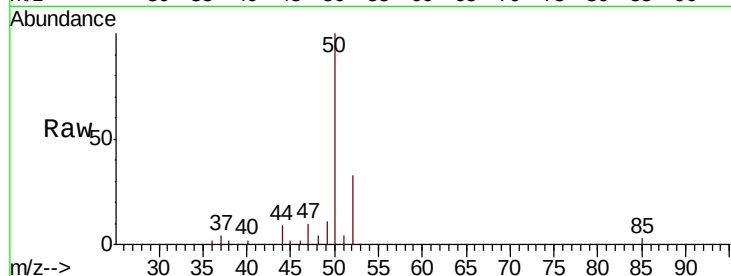
VW1216SBSD01

Tot Ion: 50 Resp: 9501

Ion Ratio Lower Upper

50 100

52 32.7 27.4 41.0



#4

Vinyl Chloride

Concen: 21.692 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007476.D

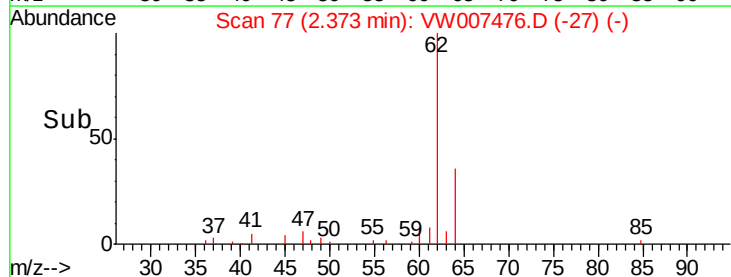
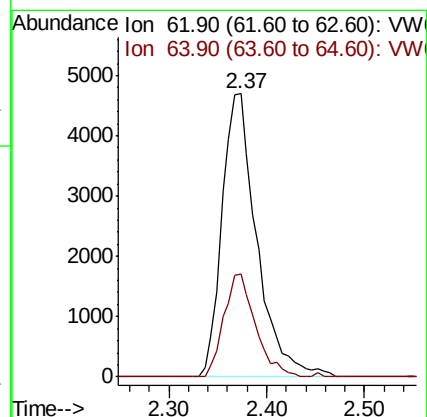
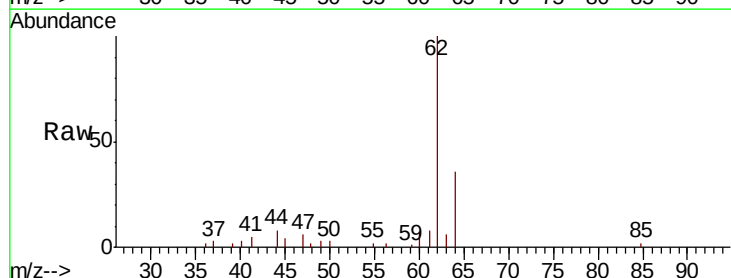
Acq: 13 Dec 2018 09:59

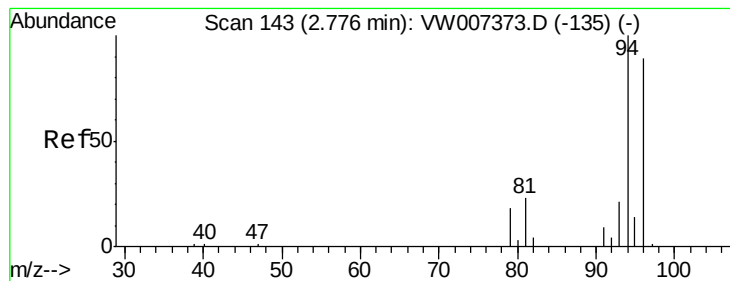
Tgt Ion: 62 Resp: 11583

Ion Ratio Lower Upper

62 100

64 36.1 24.6 37.0





#5

Bromomethane

Concen: 21.757 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

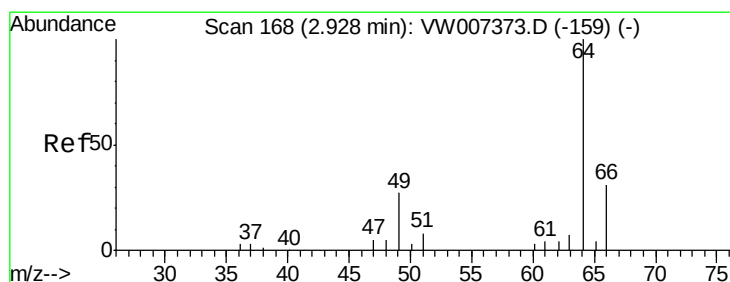
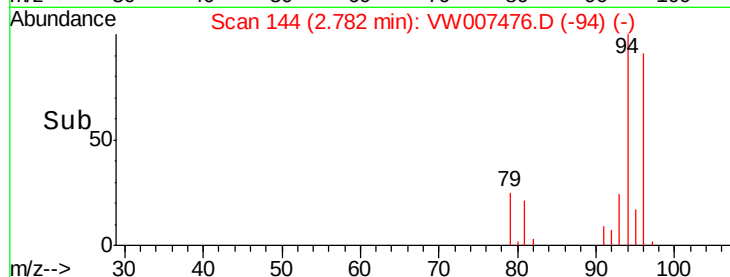
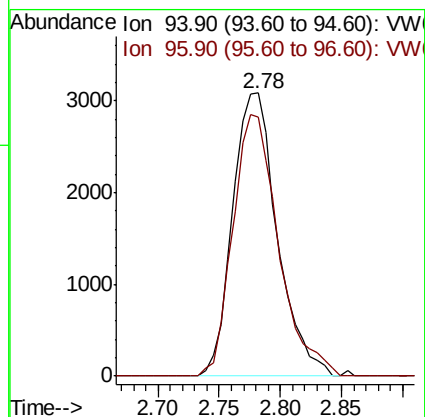
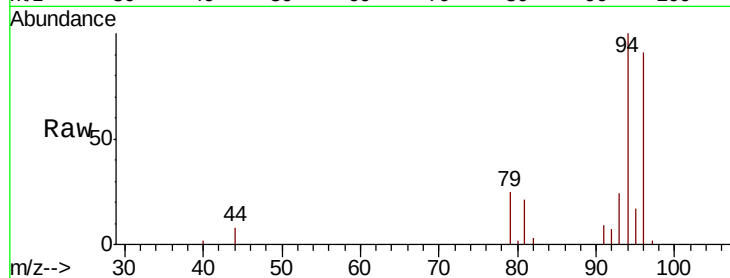
VW1216SBSD01

Tot Ion: 94 Resp: 7806

Ion Ratio Lower Upper

94 100

96 91.4 71.0 106.4



#6

Chloroethane

Concen: 21.185 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007476.D

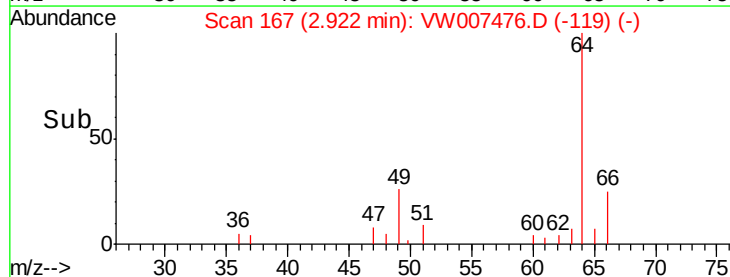
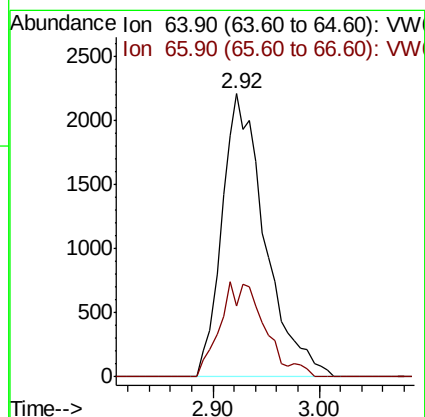
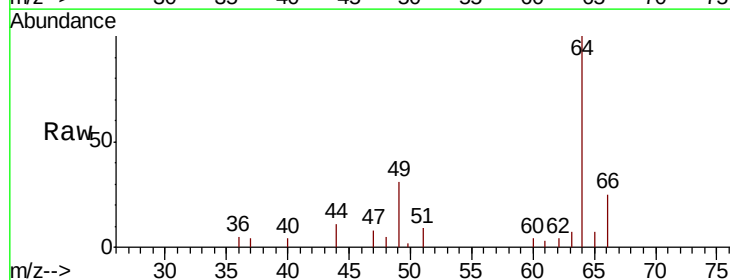
Acq: 13 Dec 2018 09:59

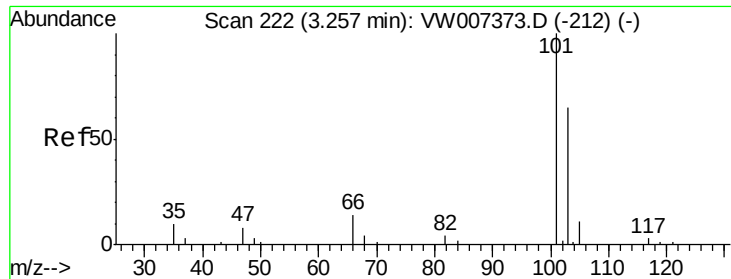
Tgt Ion: 64 Resp: 6227

Ion Ratio Lower Upper

64 100

66 25.2 24.6 37.0



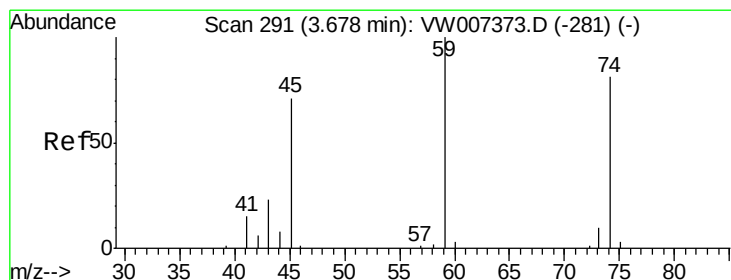
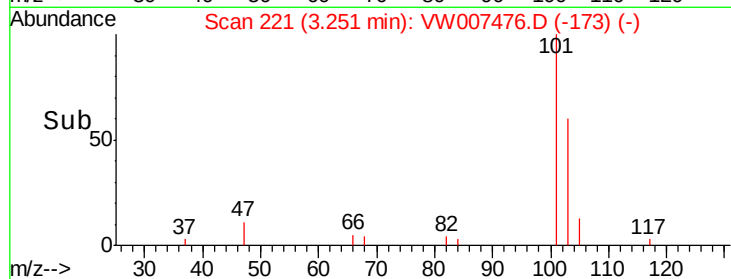
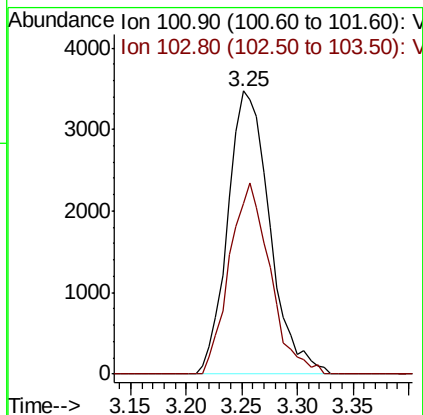
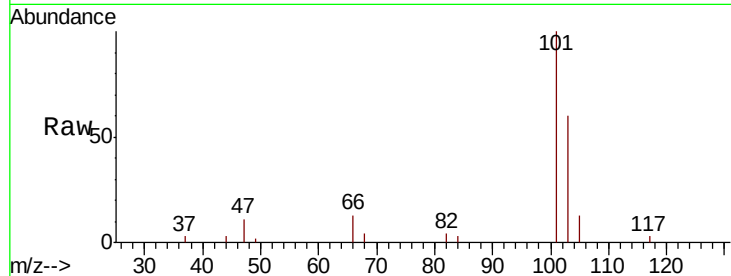


#7

Trichlorofluoromethane
 Concen: 18.941 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBSD01

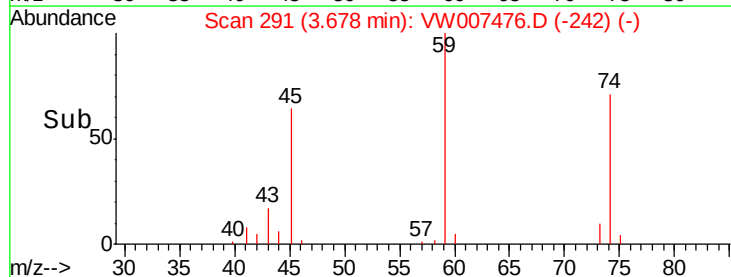
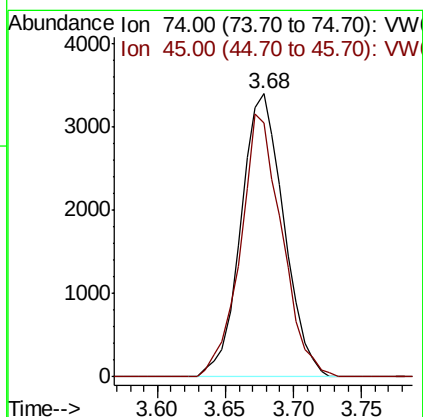
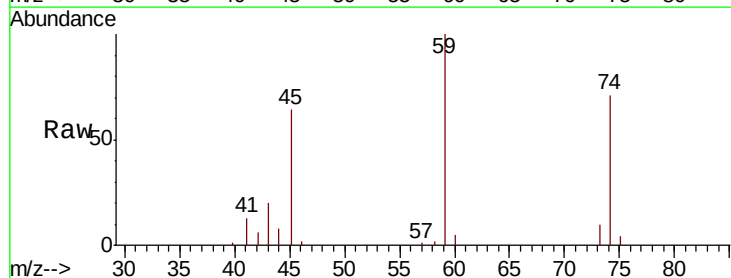
Tot Ion:101 Resp: 9093
 Ion Ratio Lower Upper
 101 100
 103 60.3 51.7 77.5

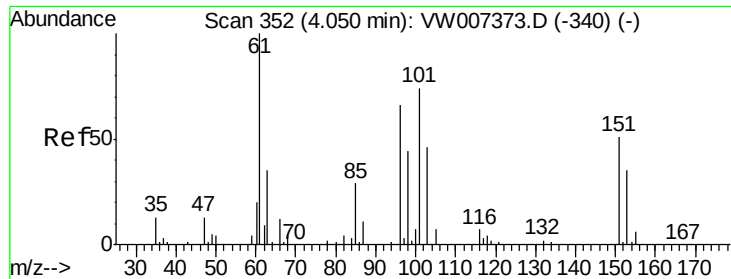


#8

Diethyl Ether
 Concen: 19.960 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion: 74 Resp: 7500
 Ion Ratio Lower Upper
 74 100
 45 89.8 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.143 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

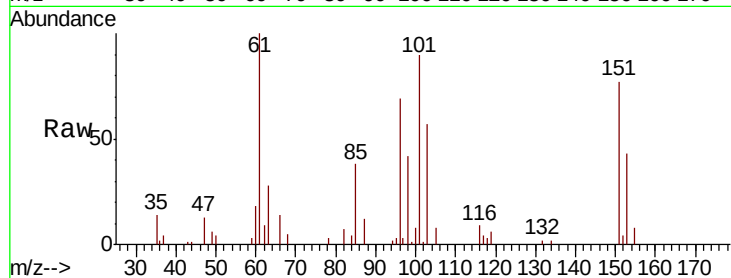
Tot Ion:101 Resp: 15956

Ion Ratio Lower Upper

101 100

85 43.2 33.9 50.9

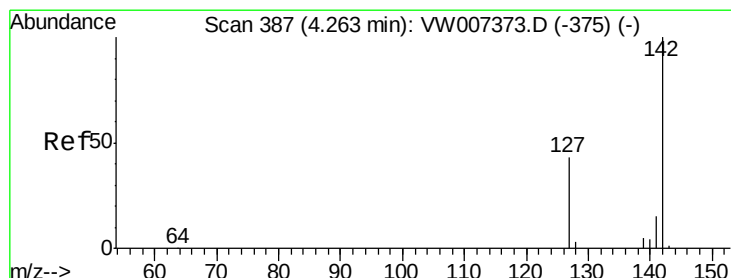
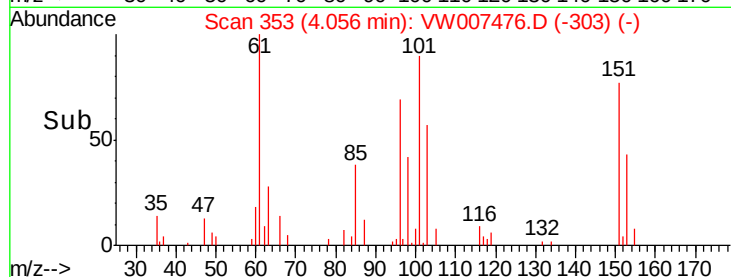
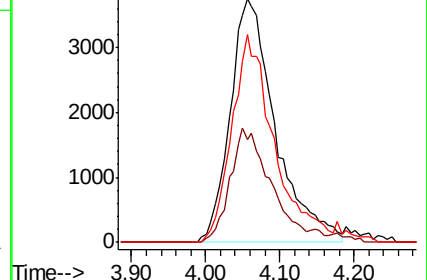
151 79.4 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.053 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

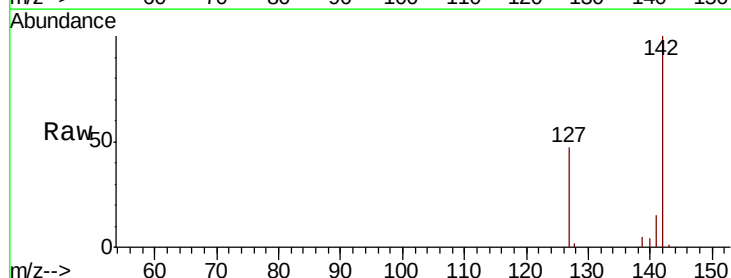
Tgt Ion:142 Resp: 27620

Ion Ratio Lower Upper

142 100

127 45.4 35.8 53.6

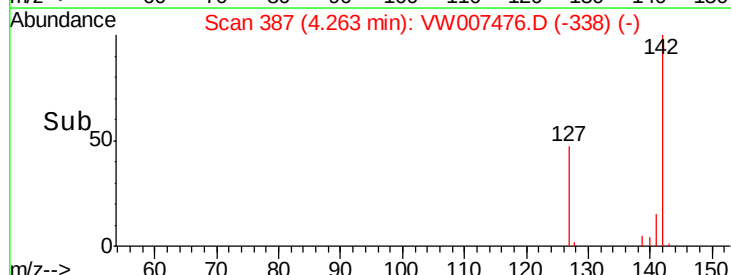
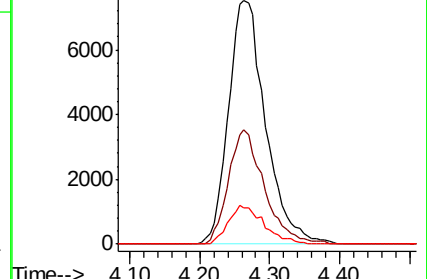
141 15.2 11.1 16.7

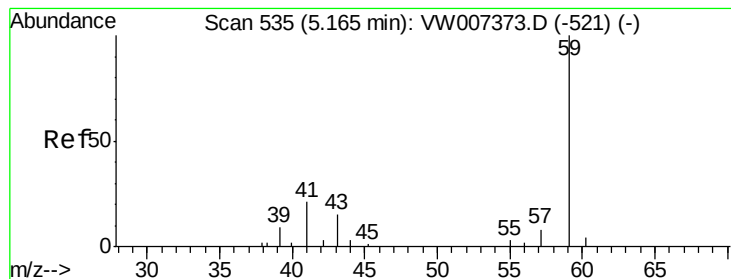


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



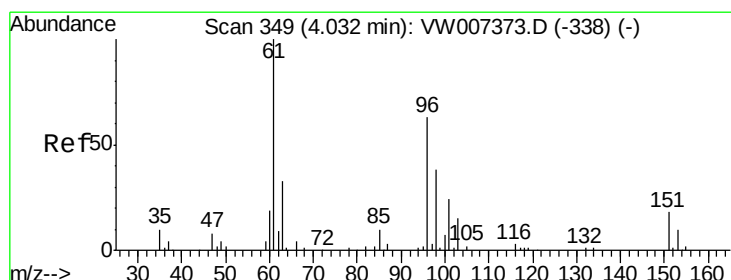
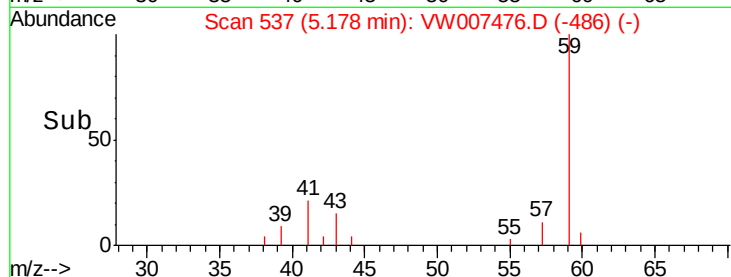
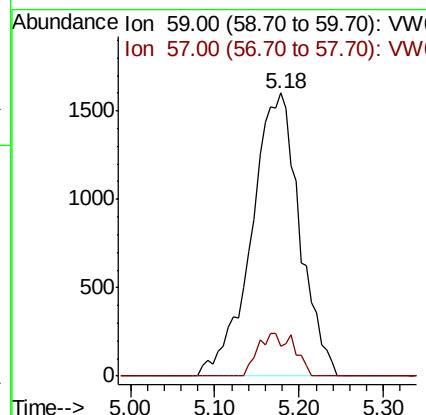
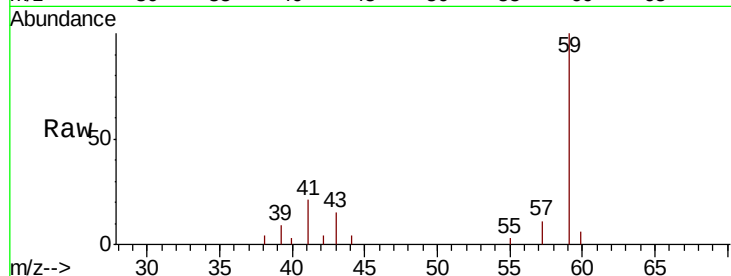


#11

Tert butyl alcohol
 Concen: 105.944 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBSD01

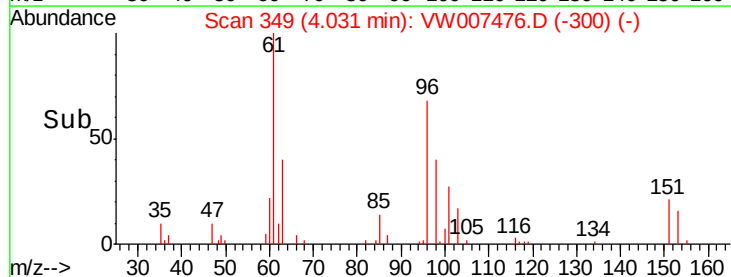
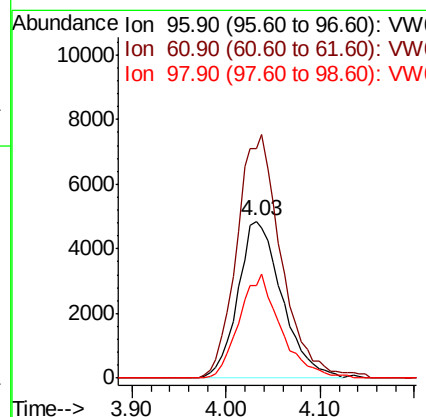
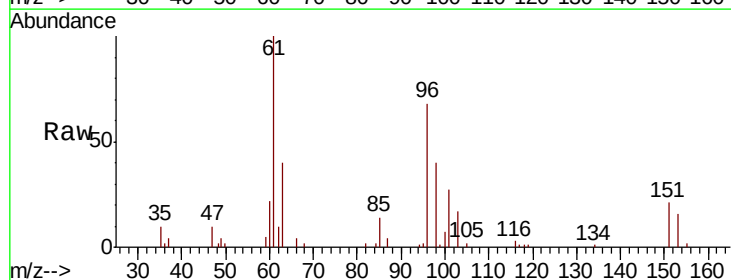
Tot Ion: 59 Resp: 6276
 Ion Ratio Lower Upper
 59 100
 57 11.2 7.6 11.4

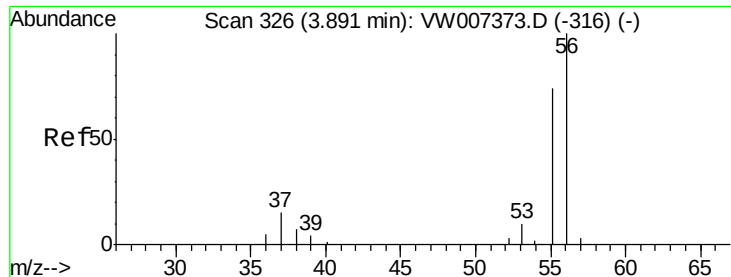


#12

1,1-Dichloroethene
 Concen: 20.866 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion: 96 Resp: 15914
 Ion Ratio Lower Upper
 96 100
 61 146.1 126.2 189.2
 98 58.8 48.3 72.5





#13

Acrolein

Concen: 86.662 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

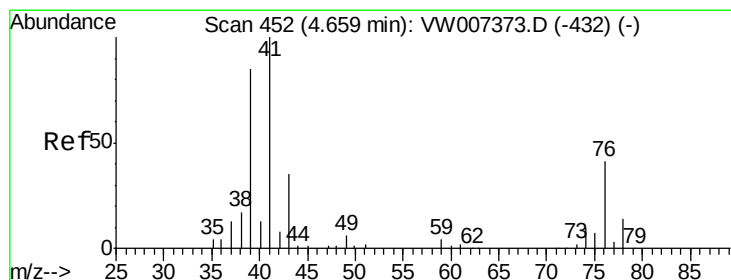
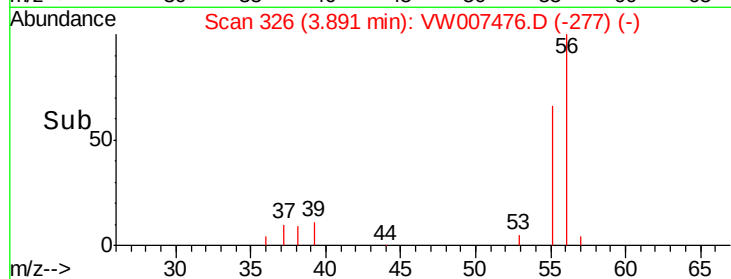
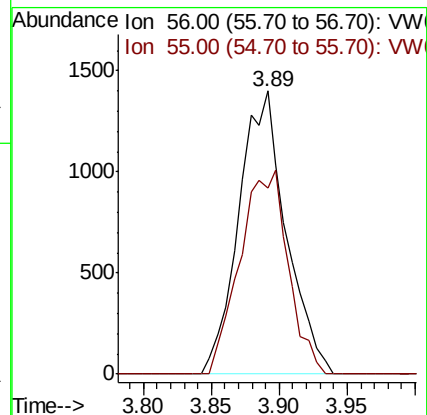
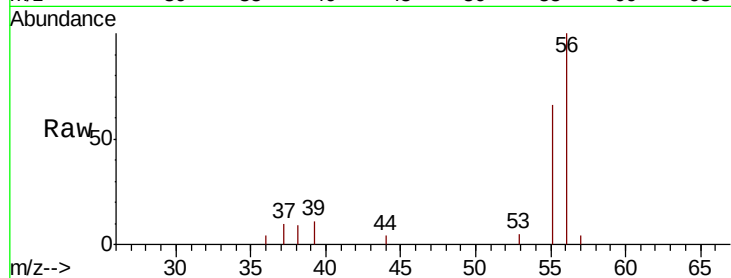
VW1216SBS01

Tot Ion: 56 Resp: 3397

Ion Ratio Lower Upper

56 100

55 73.4 57.4 86.2



#14

Allyl chloride

Concen: 19.967 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

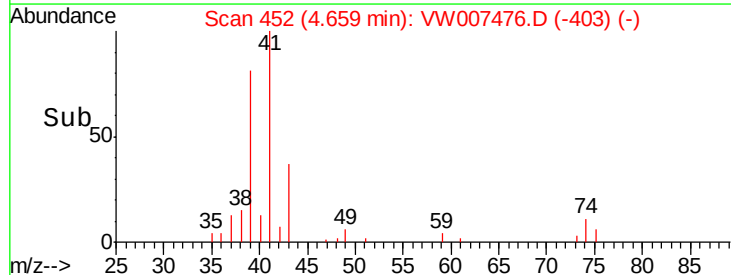
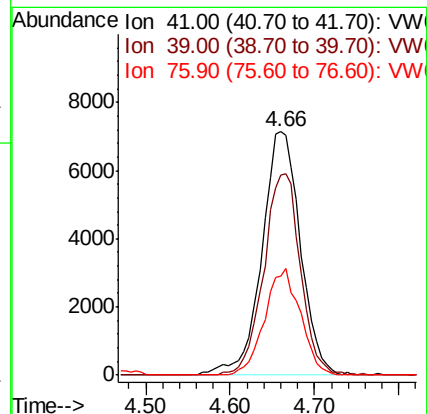
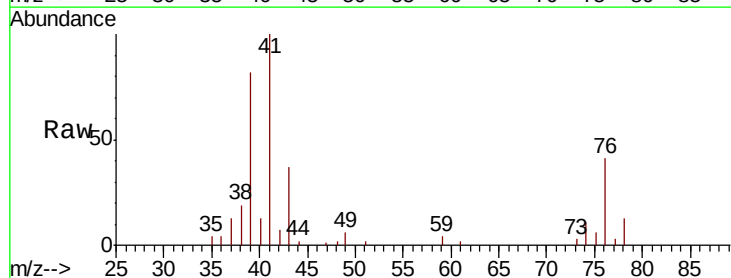
Tgt Ion: 41 Resp: 22447

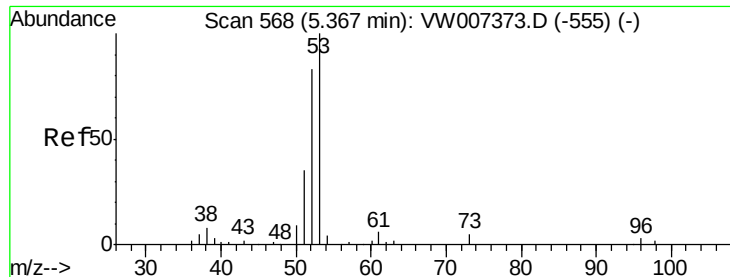
Ion Ratio Lower Upper

41 100

39 79.1 63.4 95.2

76 40.5 32.1 48.1





#15

Acrylonitrile

Concen: 101.396 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBSD01

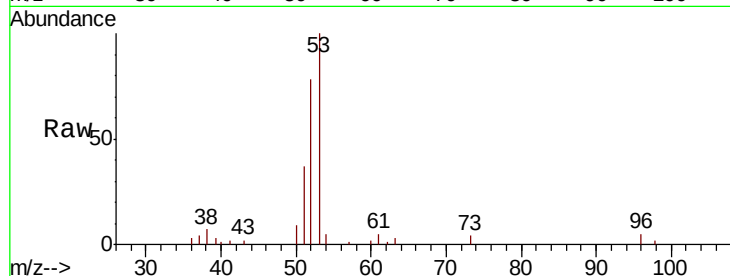
Tot Ion: 53 Resp: 16061

Ion Ratio Lower Upper

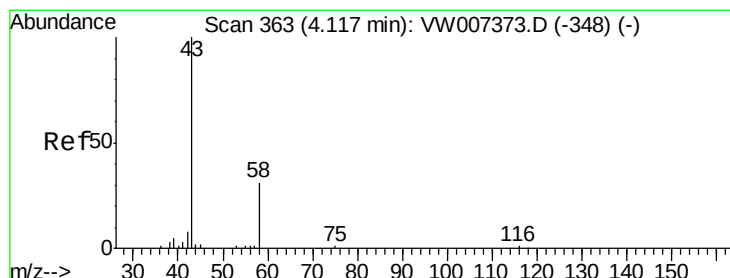
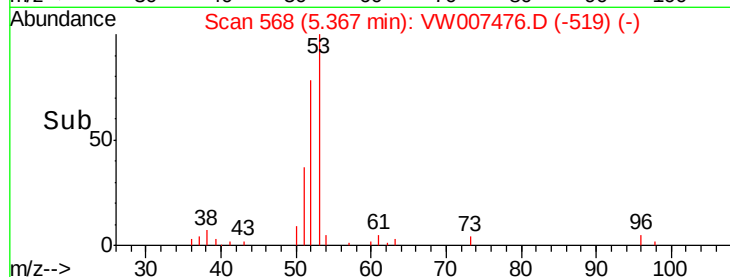
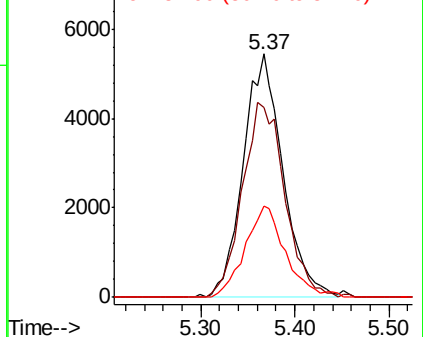
53 100

52 85.0 67.4 101.2

51 38.3 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 91.357 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007476.D

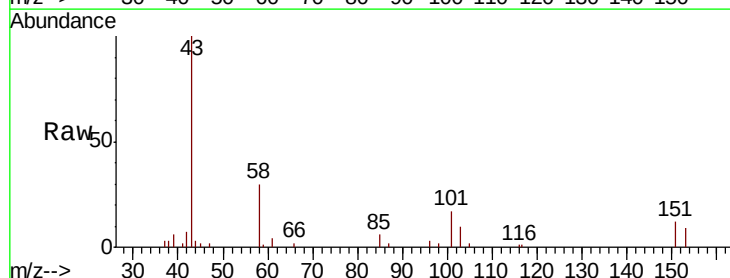
Acq: 13 Dec 2018 09:59

Tgt Ion: 43 Resp: 13764

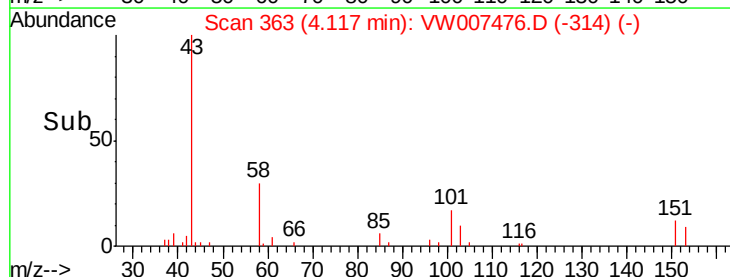
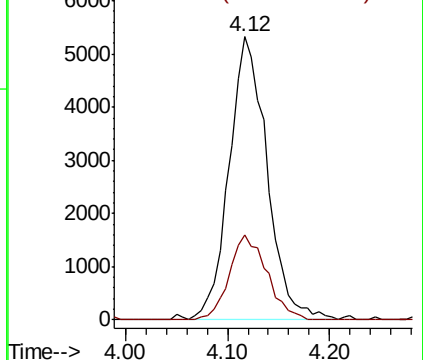
Ion Ratio Lower Upper

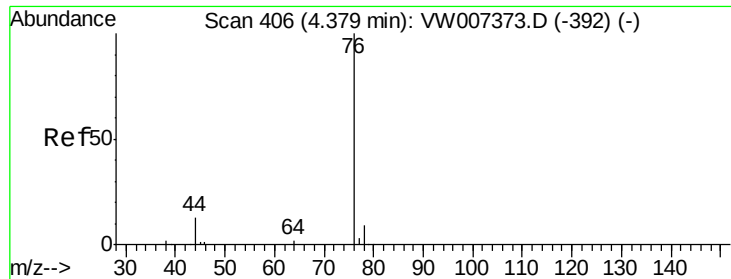
43 100

58 30.1 24.9 37.3



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

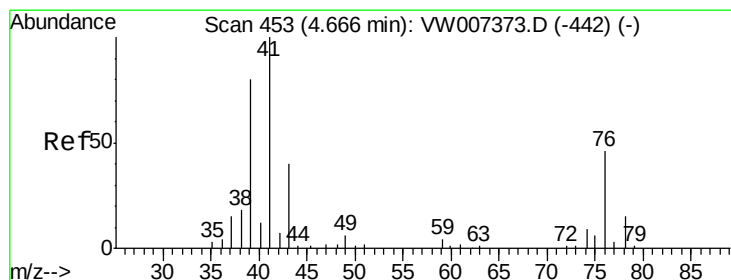
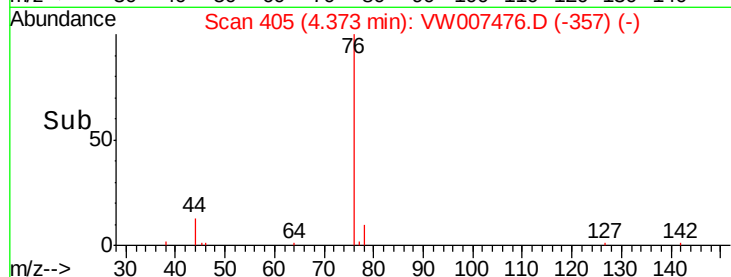
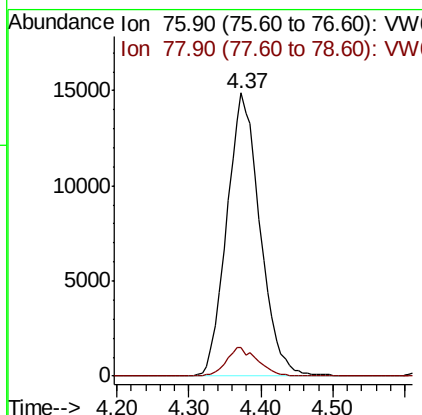
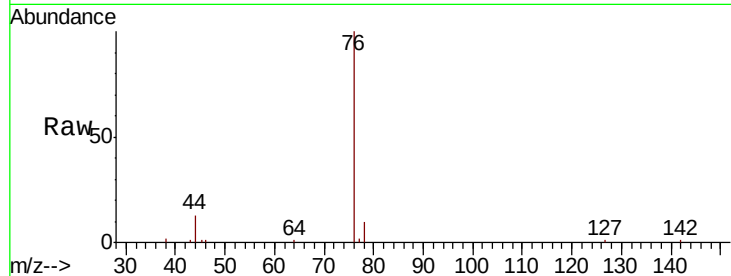




#17
Carbon Disulfide
Concen: 20.592 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

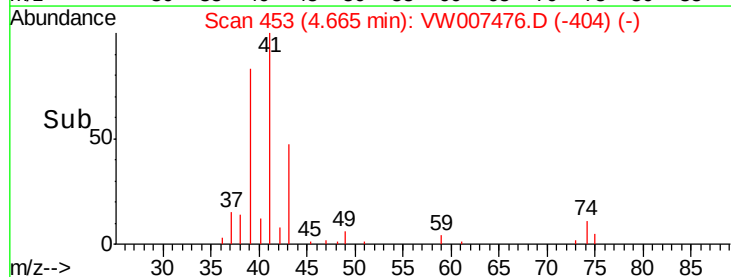
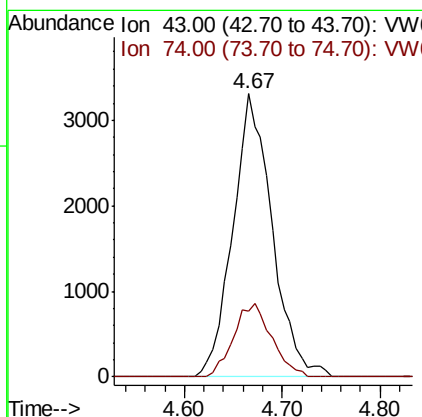
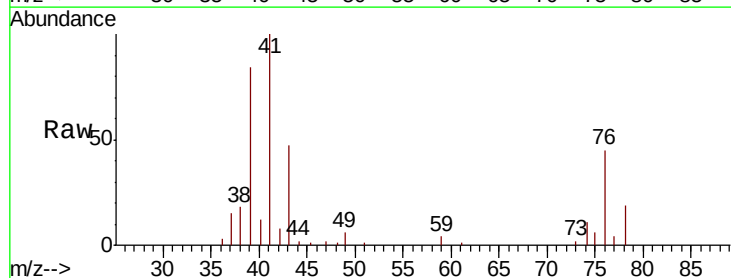
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBSD01

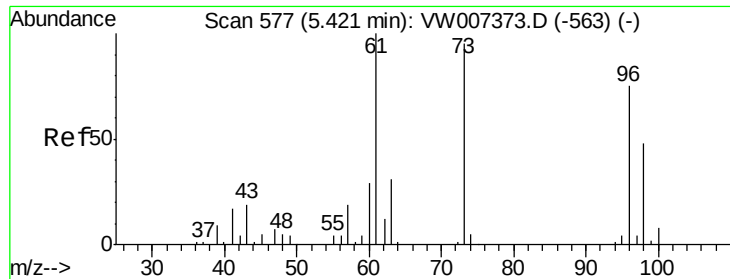
Tot Ion: 76 Resp: 47619
Ion Ratio Lower Upper
76 100
78 10.3 7.1 10.7



#18
Methyl Acetate
Concen: 22.550 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion: 43 Resp: 9221
Ion Ratio Lower Upper
43 100
74 25.1 21.1 31.7

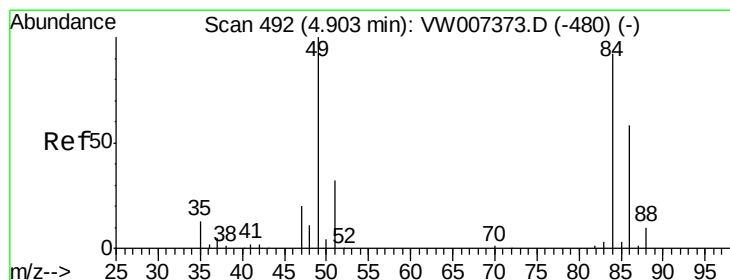
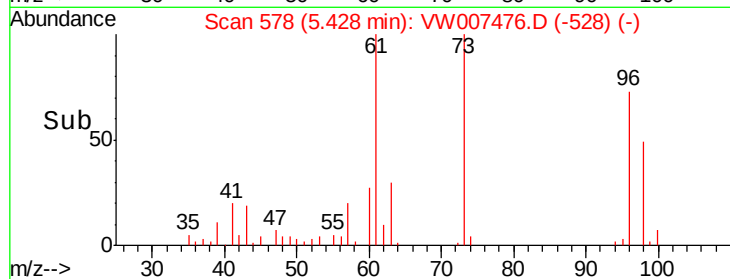
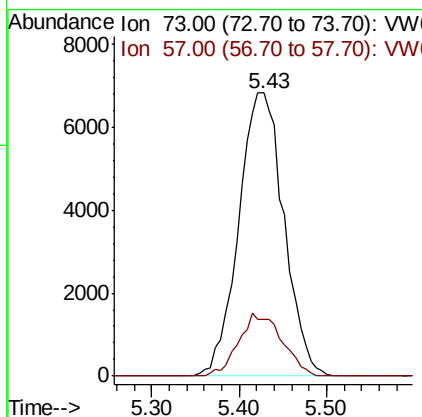
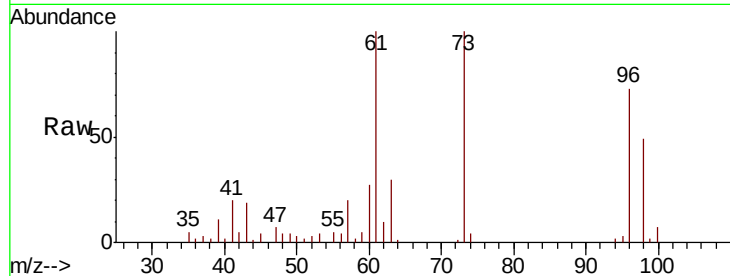




#19
Methyl tert-butyl Ether
Concen: 21.267 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

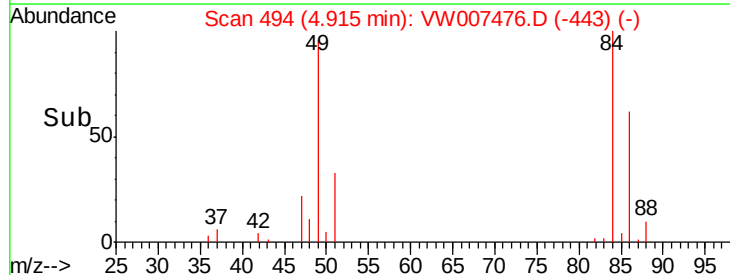
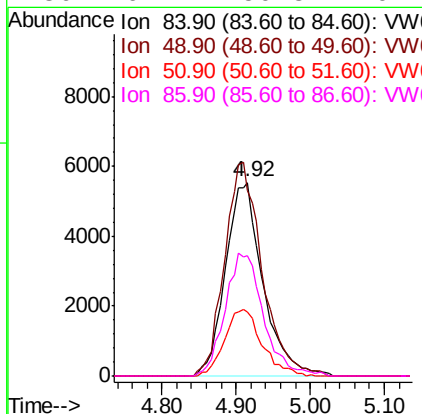
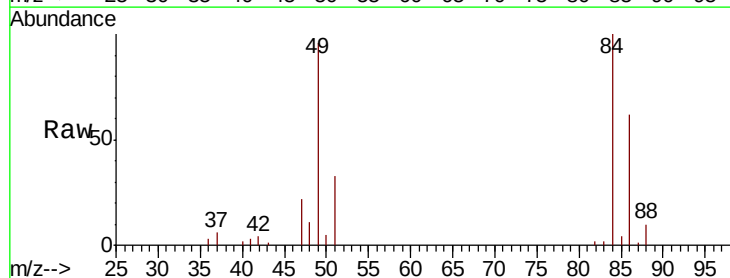
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

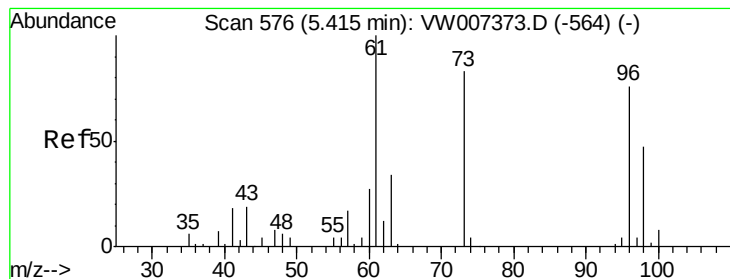
Tot Ion: 73 Resp: 24469
Ion Ratio Lower Upper
73 100
57 20.1 16.4 24.6



#20
Methylene Chloride
Concen: 21.341 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion: 84 Resp: 19433
Ion Ratio Lower Upper
84 100
49 96.2 87.1 130.7
51 33.0 28.2 42.2
86 62.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.684 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

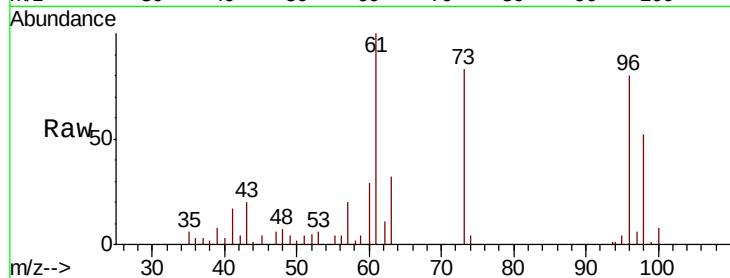
Tot Ion: 96 Resp: 17647

Ion Ratio Lower Upper

96 100

61 125.4 105.0 157.6

98 65.8 49.7 74.5

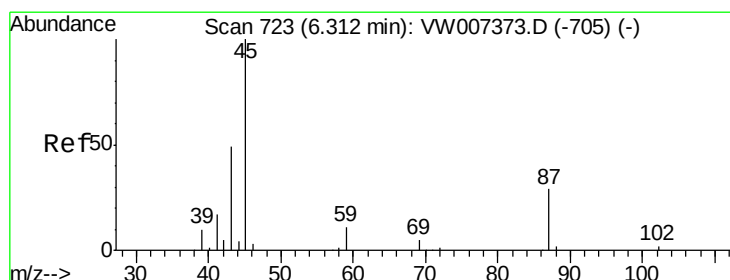
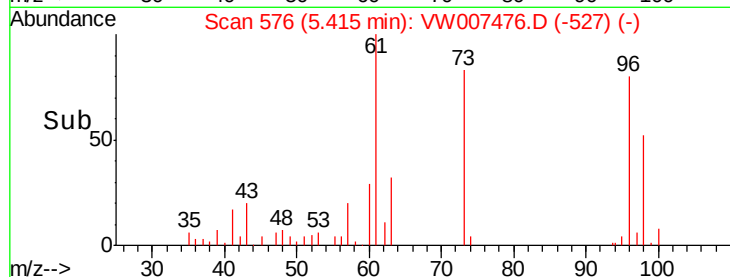
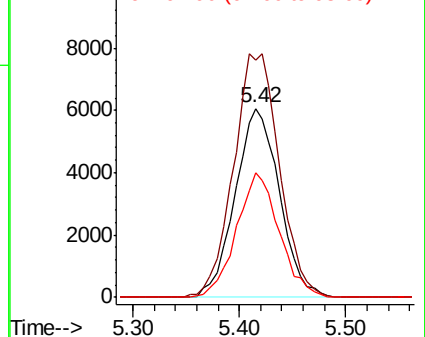


Abundance

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: 20.802 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Tgt Ion: 45 Resp: 44951

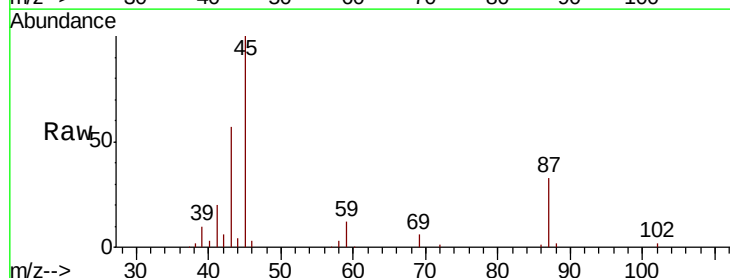
Ion Ratio Lower Upper

45 100

43 56.1 41.6 62.4

87 33.2 24.3 36.5

59 11.5 9.4 14.0



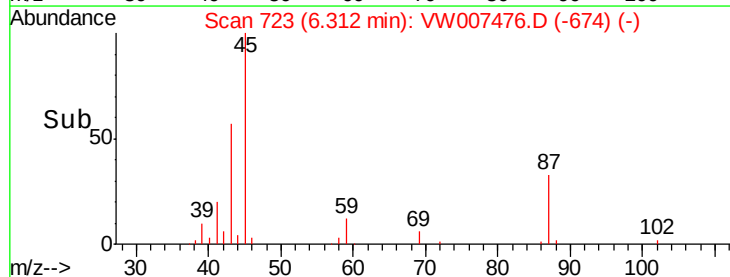
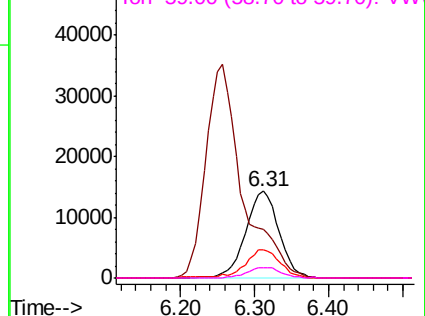
Abundance

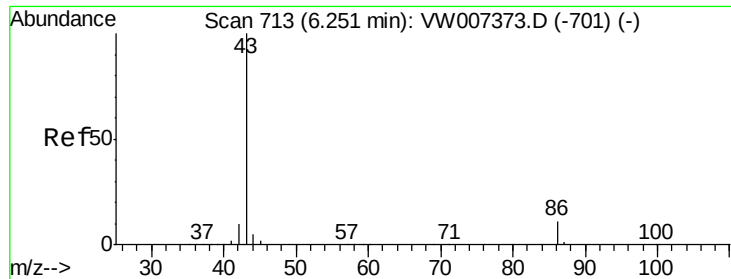
Ion 45.00 (44.70 to 45.70): VW

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: 99.362 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

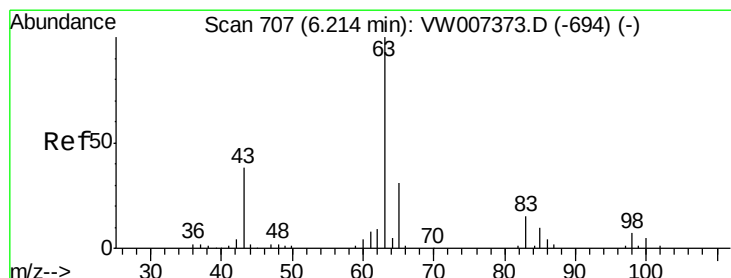
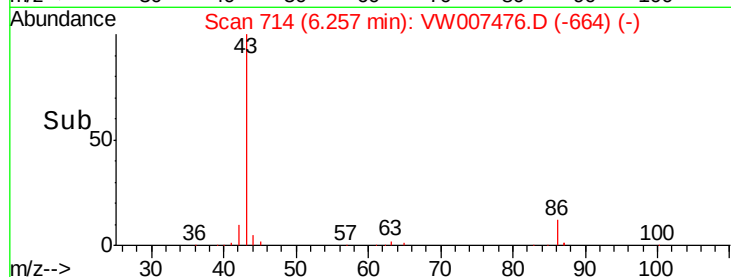
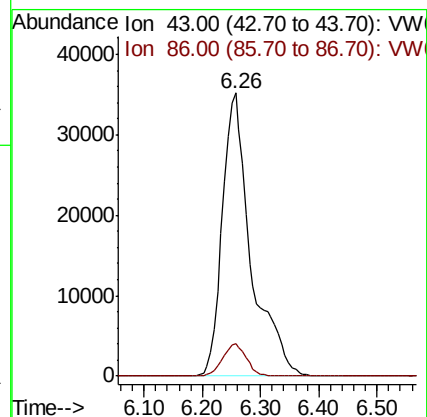
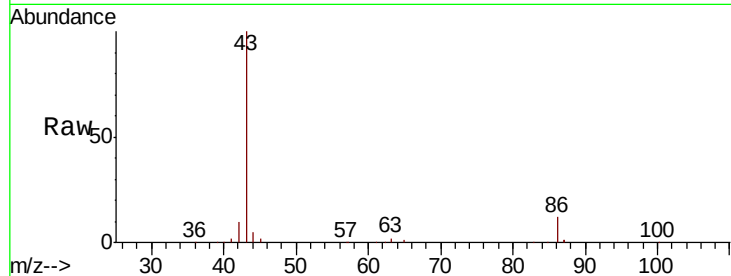
VW1216SBSD01

Tot Ion: 43 Resp: 120095

Ion Ratio Lower Upper

43 100

86 11.5 8.6 12.8



#24

1,1-Dichloroethane

Concen: 20.791 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

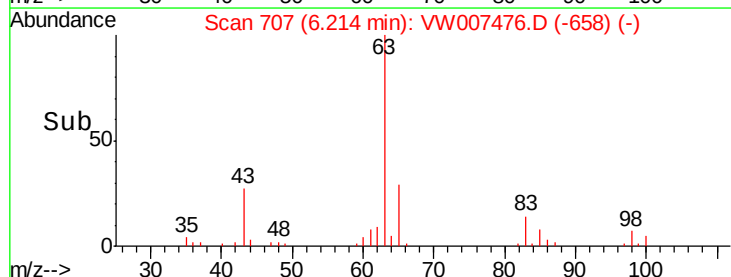
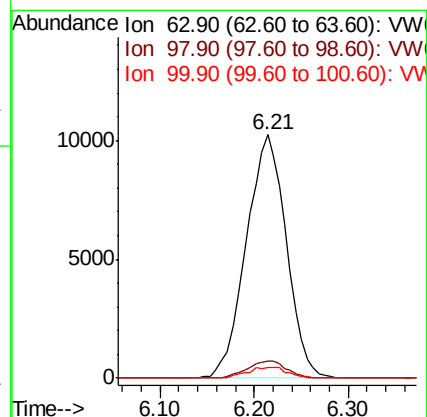
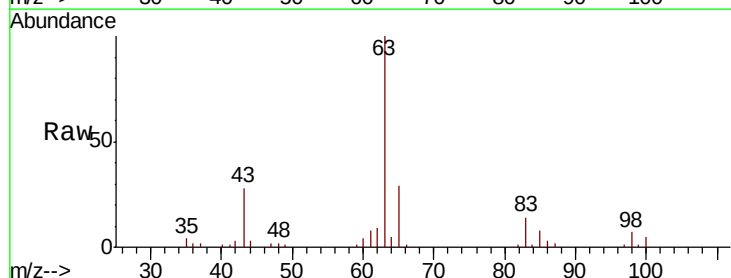
Tgt Ion: 63 Resp: 30364

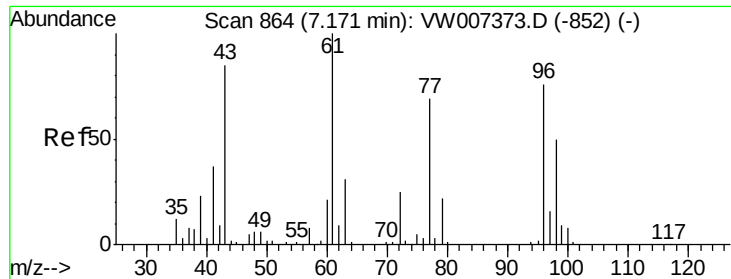
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 98.200 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

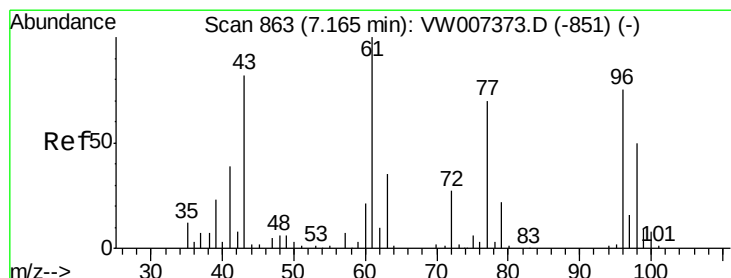
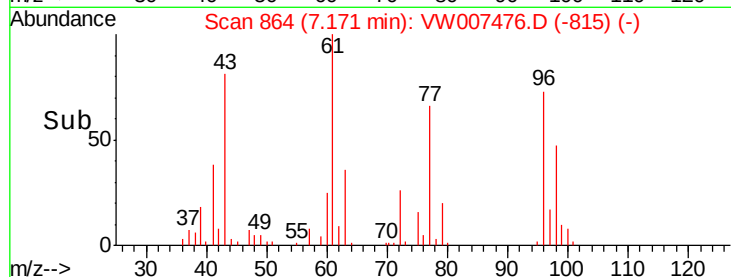
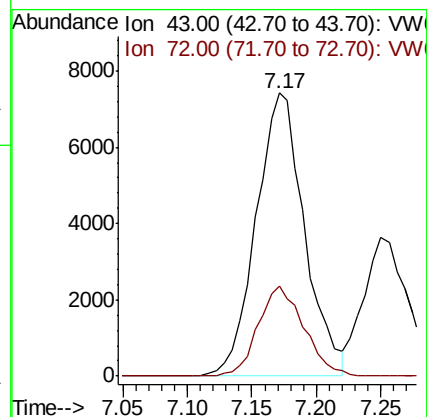
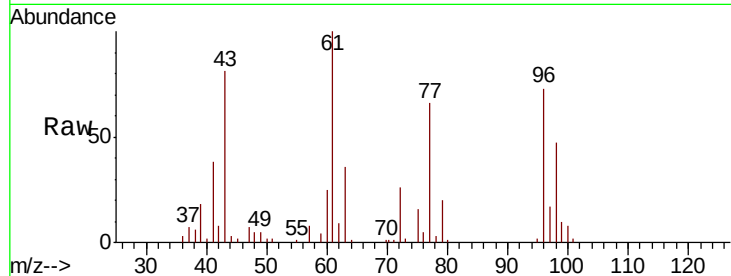
VW1216SBSD01

Tot Ion: 43 Resp: 19315

Ion Ratio Lower Upper

43 100

72 31.8 23.4 35.2



#26

2,2-Dichloropropane

Concen: 18.913 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007476.D

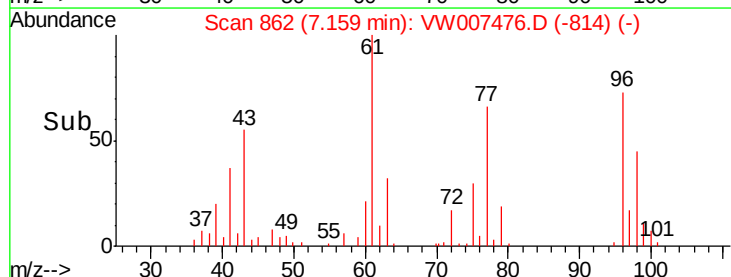
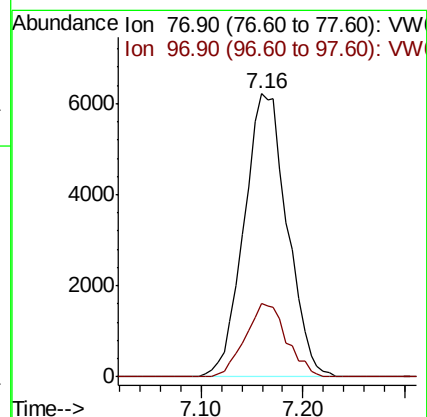
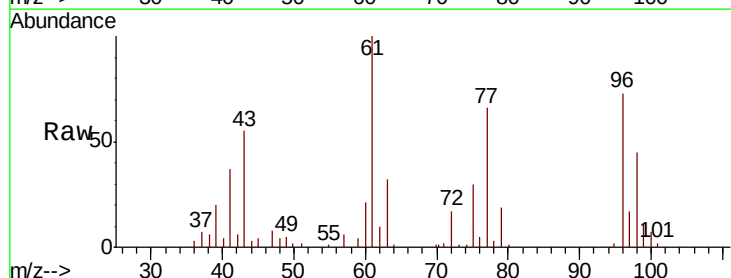
Acq: 13 Dec 2018 09:59

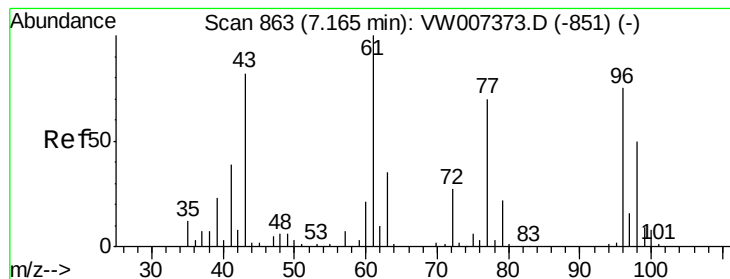
Tgt Ion: 77 Resp: 18281

Ion Ratio Lower Upper

77 100

97 24.7 11.6 34.8



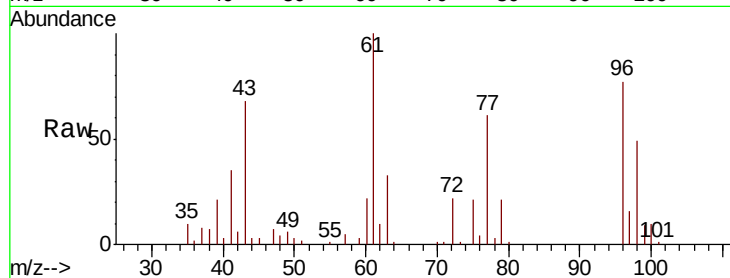


#27

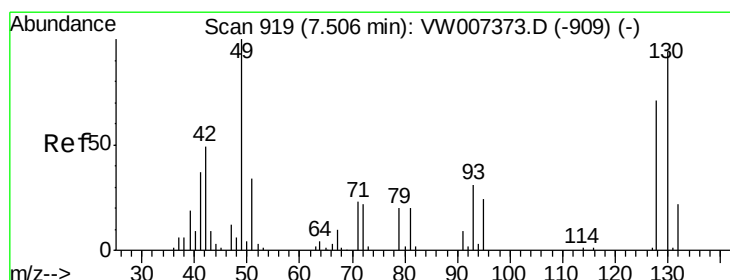
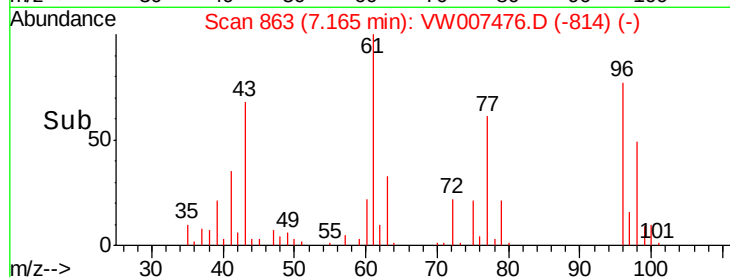
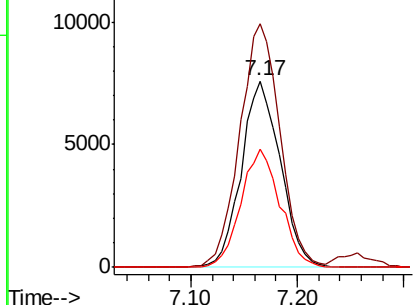
cis-1,2-Dichloroethene
Concen: 20.907 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	268.4
98	63.6	0.0	127.8



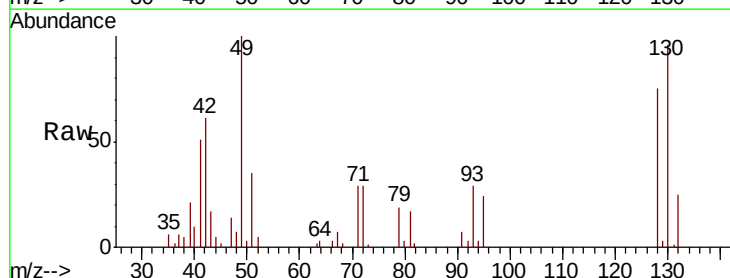
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



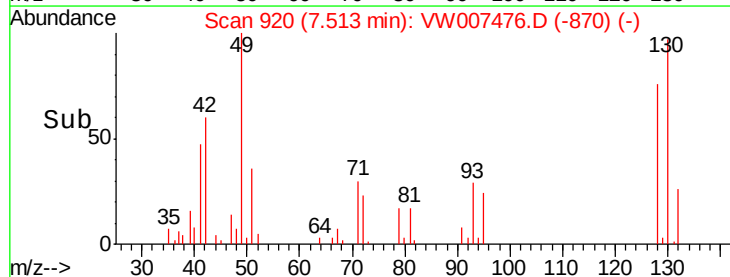
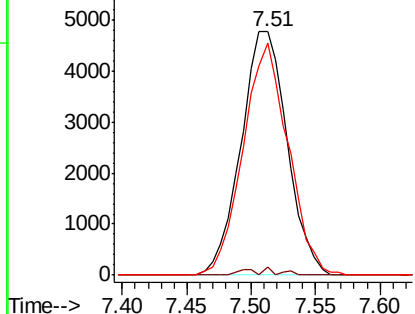
#28

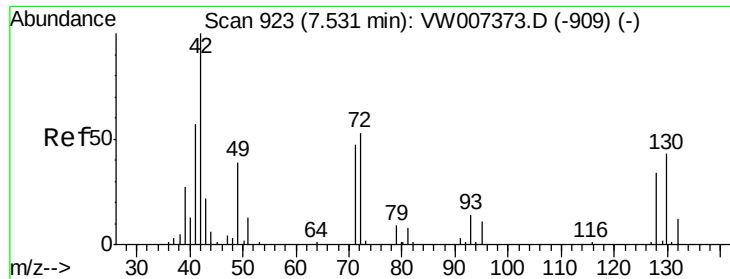
Bromochloromethane
Concen: 21.549 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.6
130	93.2	75.9	113.9



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

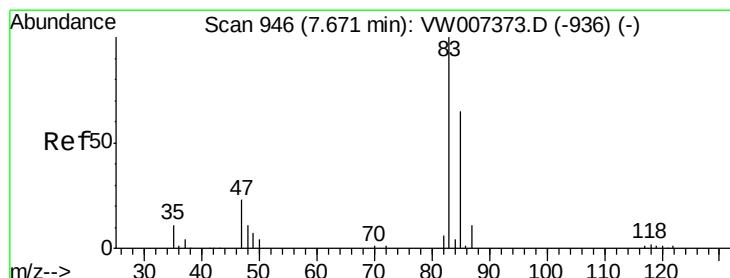
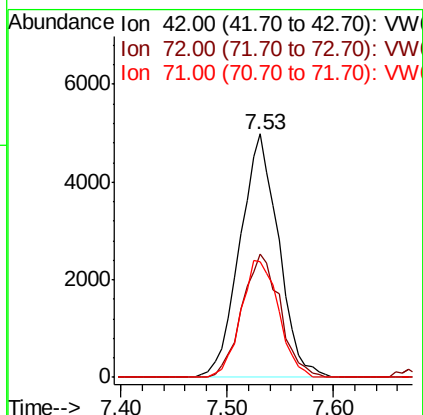
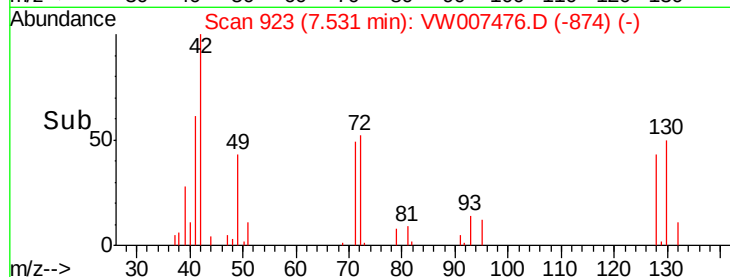
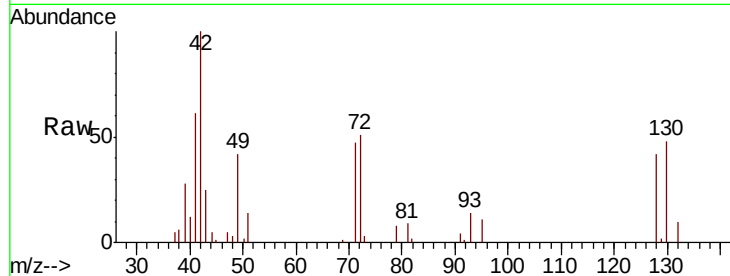




#29
Tetrahydrofuran
Concen: 101.849 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

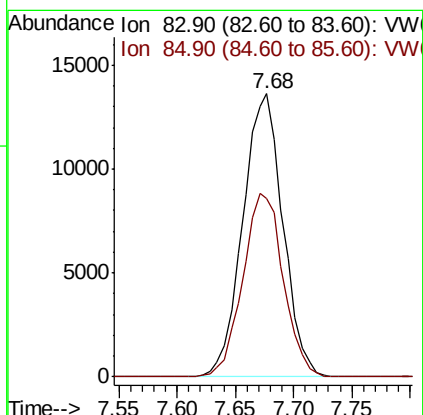
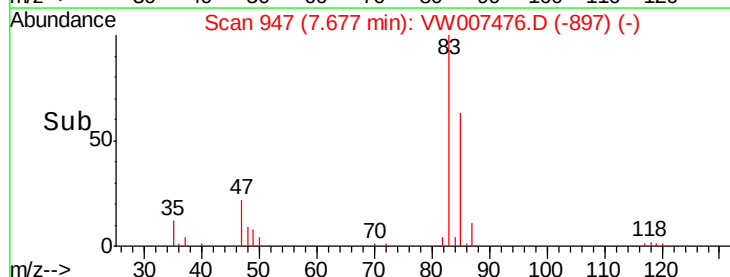
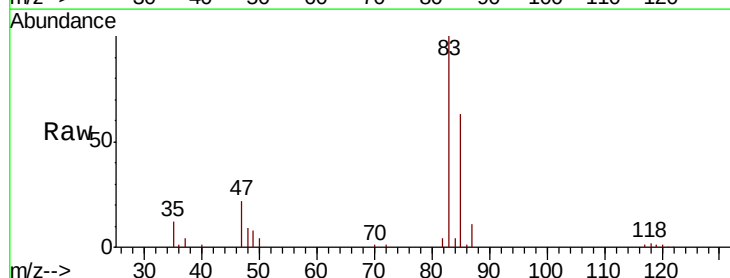
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

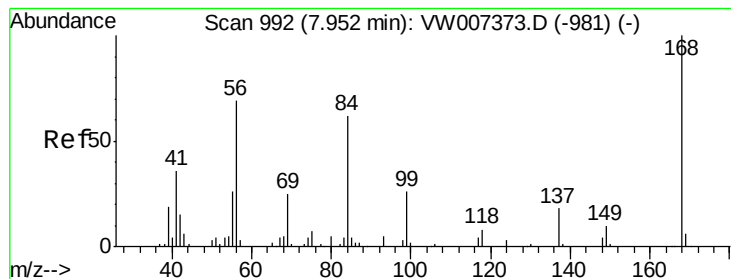
Tot Ion: 42 Resp: 12682
Ion Ratio Lower Upper
42 100
72 49.8 38.2 57.4
71 46.8 35.5 53.3



#30
Chloroform
Concen: 20.566 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion: 83 Resp: 32687
Ion Ratio Lower Upper
83 100
85 63.2 51.8 77.8





#31

Cyclohexane

Concen: 19.064 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBSD01

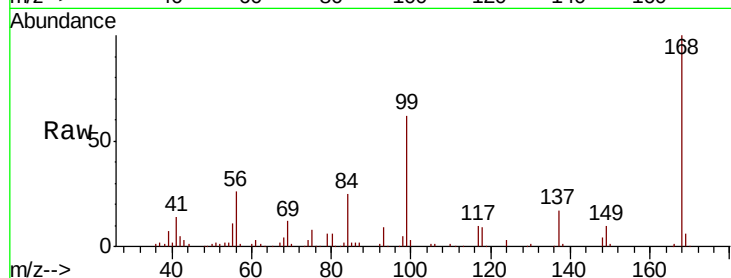
Tot Ion: 56 Resp: 25545

Ion Ratio Lower Upper

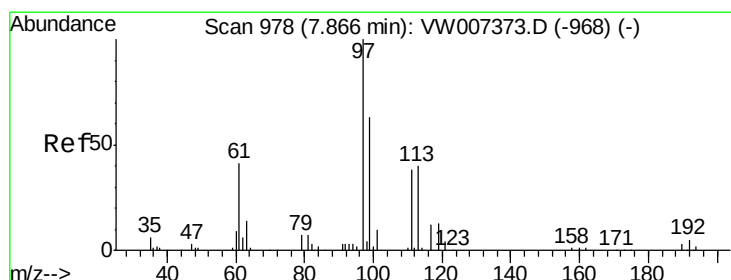
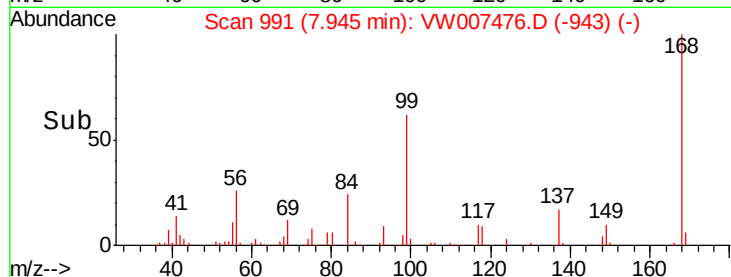
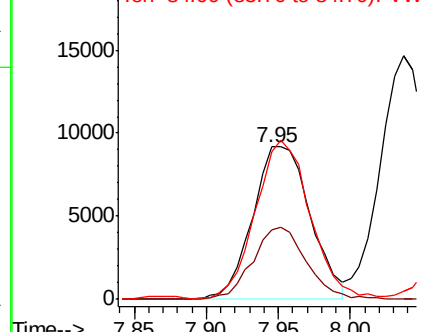
56 100

69 45.7 28.9 43.3#

84 96.4 71.8 107.6



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: 20.263 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

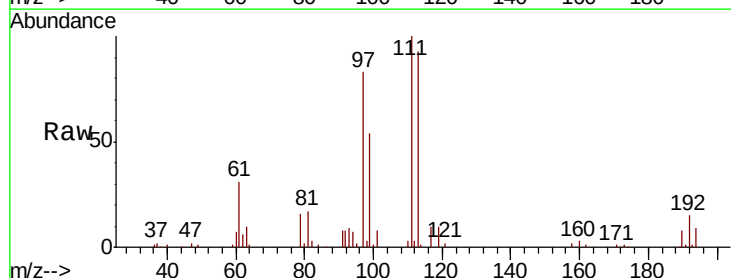
Tgt Ion: 97 Resp: 28242

Ion Ratio Lower Upper

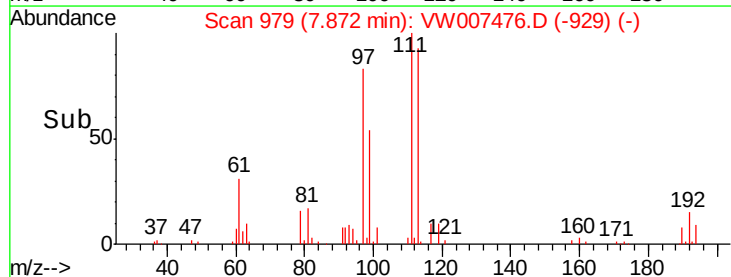
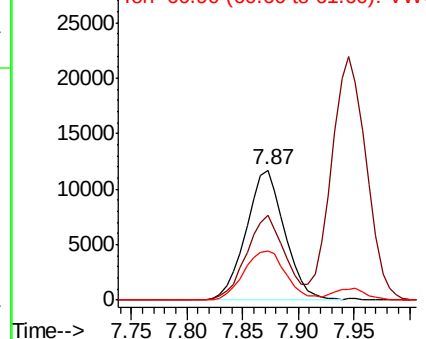
97 100

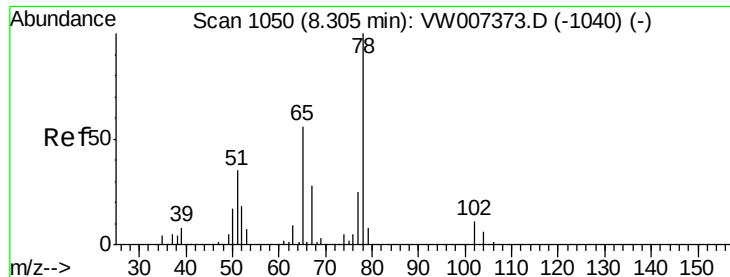
99 64.1 51.1 76.7

61 41.4 33.2 49.8



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

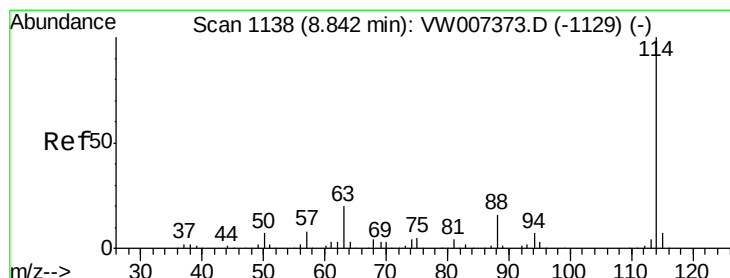
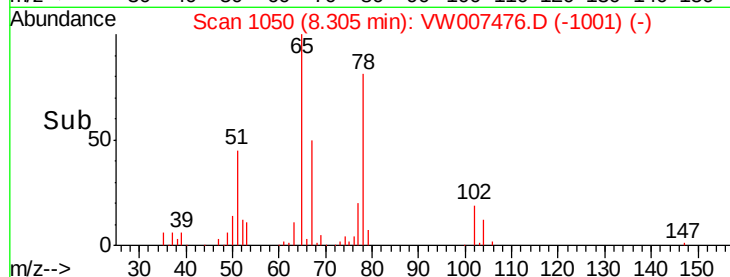
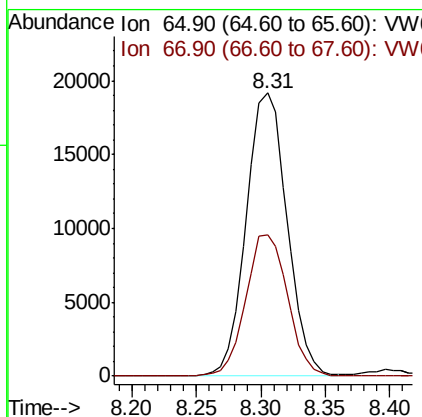
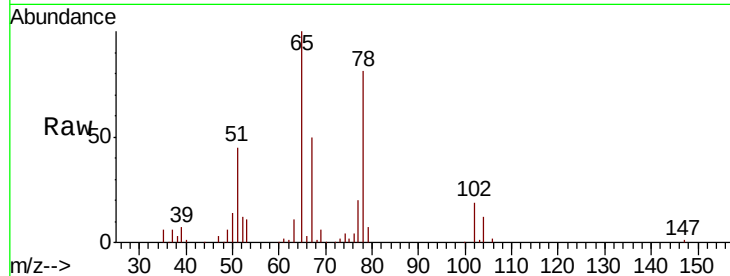




#33
 1,2-Dichloroethane-d4
 Concen: 48.908 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

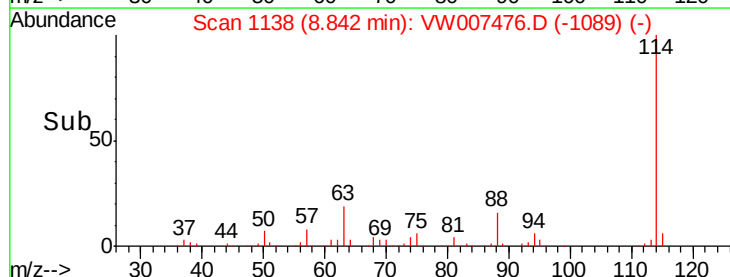
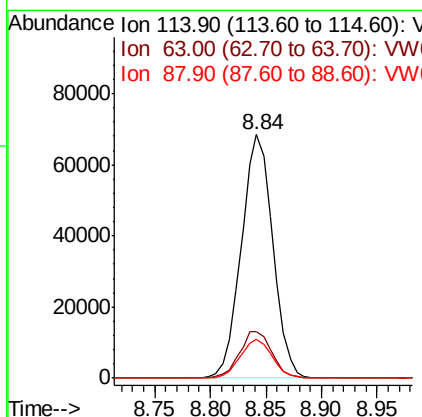
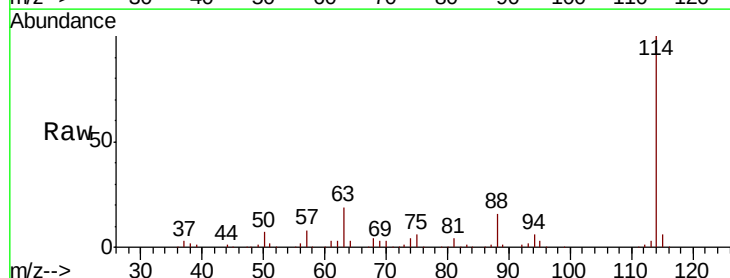
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBSD01

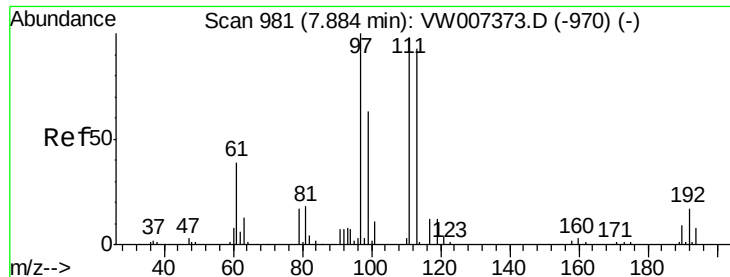
Tot Ion: 65 Resp: 42186
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion: 114 Resp: 134106
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 16.0 0.0 31.4

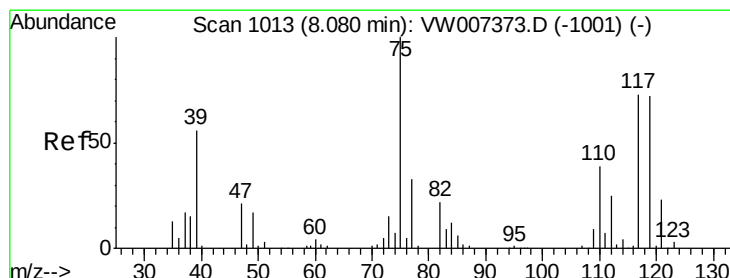
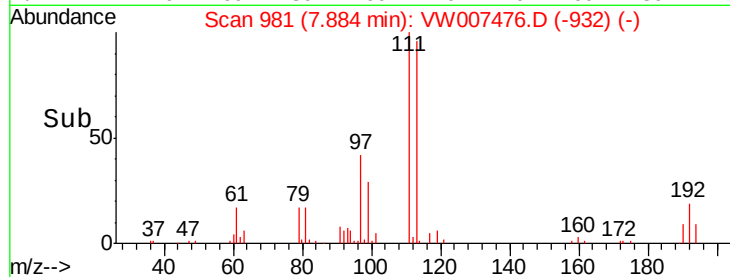
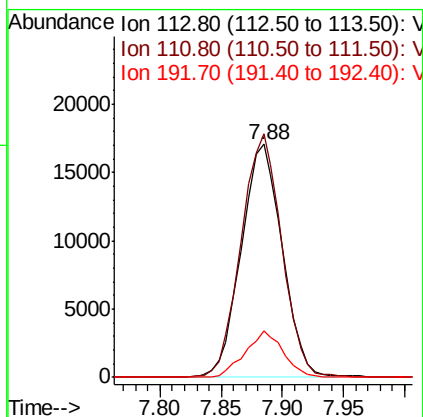
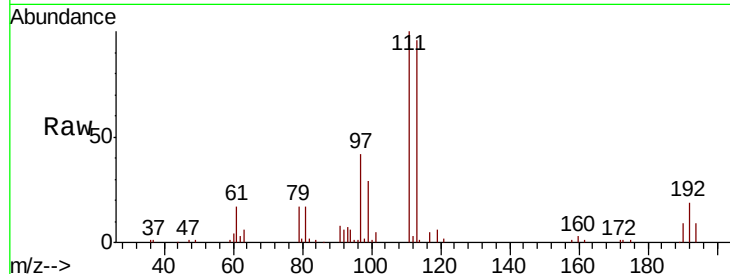




#35
 Dibromofluoromethane
 Concen: 49.123 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

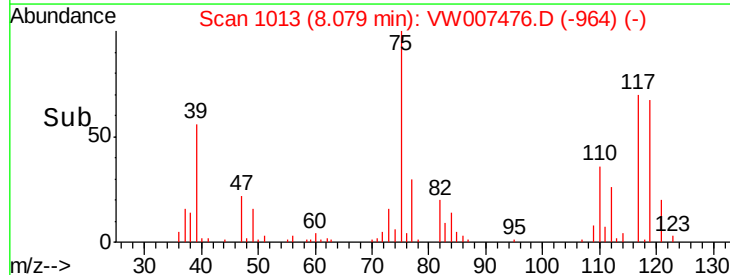
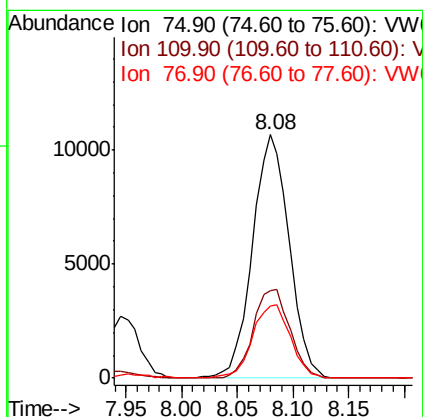
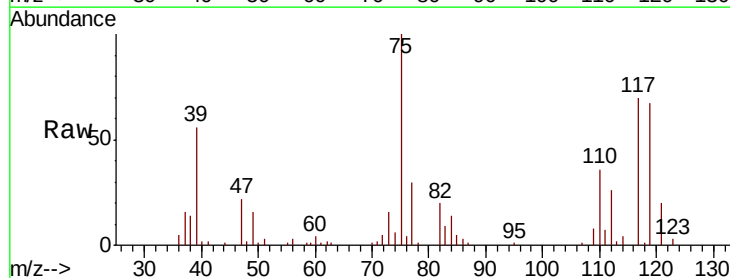
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBSD01

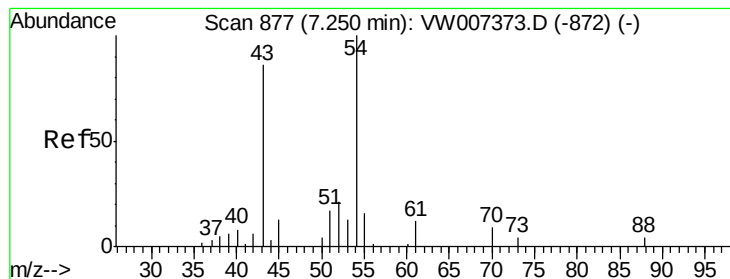
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.1	121.7
192	18.3	14.6	21.8



#36
 1,1-Dichloropropene
 Concen: 20.030 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.5	55.5
77	31.1	25.6	38.4





#37

Ethyl Acetate

Concen: 19.832 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBSD01

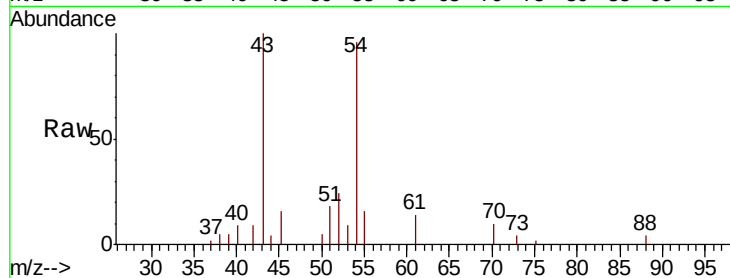
Tot Ion: 43 Resp: 9024

Ion Ratio Lower Upper

43 100

61 14.5 12.1 18.1

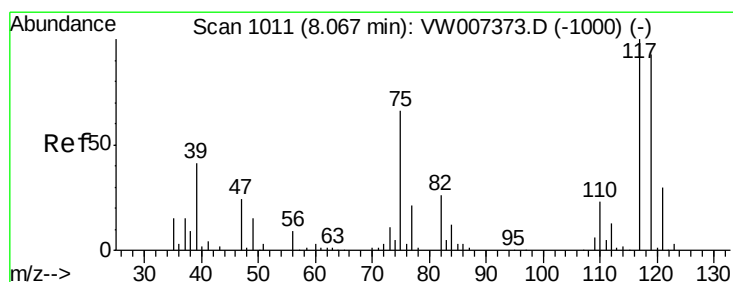
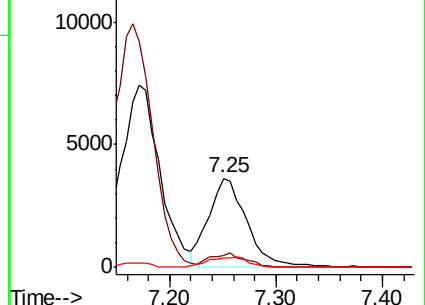
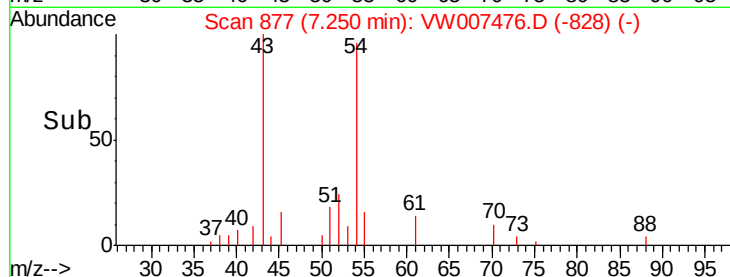
70 12.0 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 19.726 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

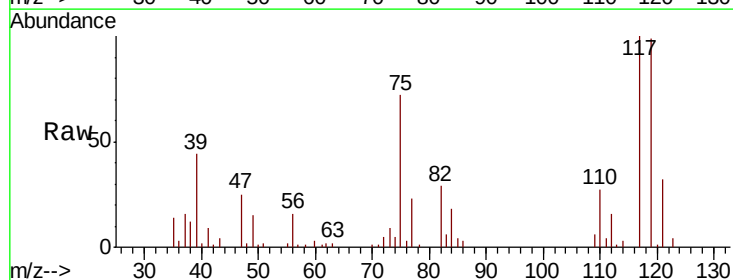
Tgt Ion: 117 Resp: 26258

Ion Ratio Lower Upper

117 100

119 98.6 74.3 111.5

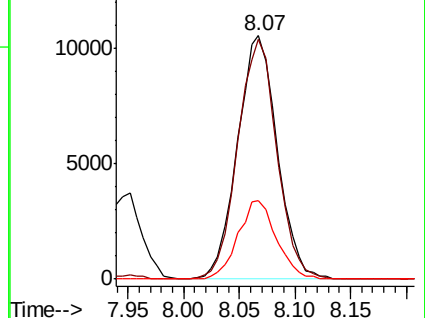
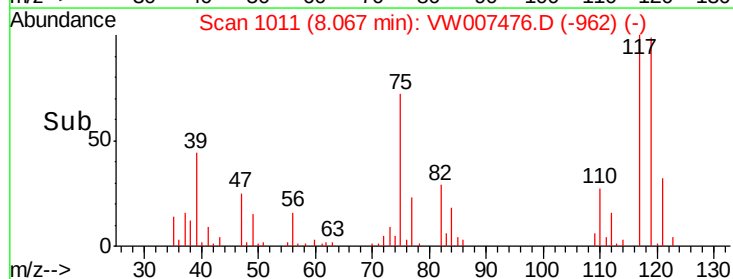
121 32.3 24.3 36.5

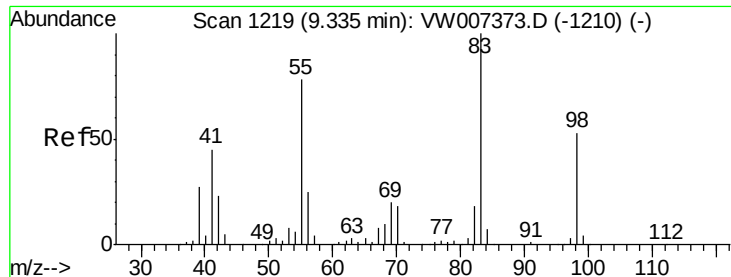


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

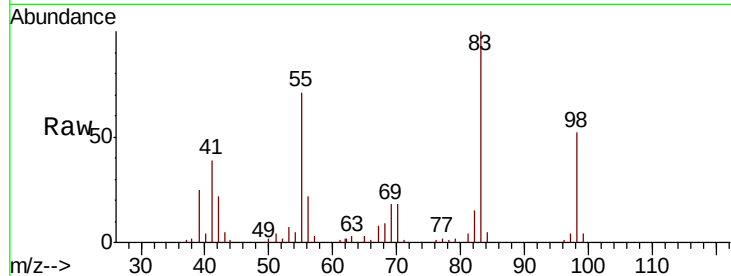




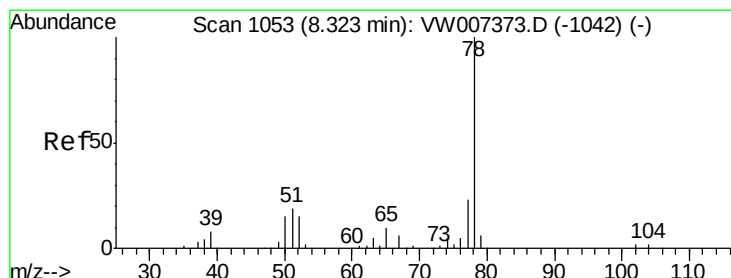
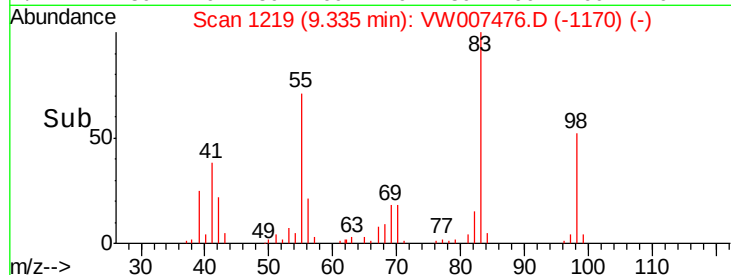
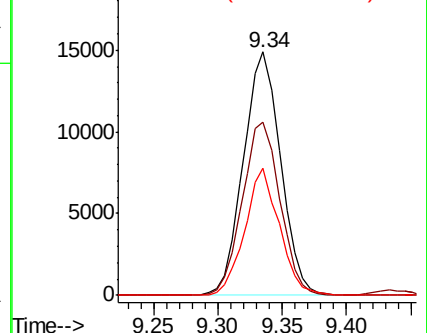
#39
Methylvlcyclohexane
Concen: 20.109 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion: 83 Resp: 29788
Ion Ratio Lower Upper
83 100
55 71.0 62.8 94.2
98 52.3 42.2 63.2

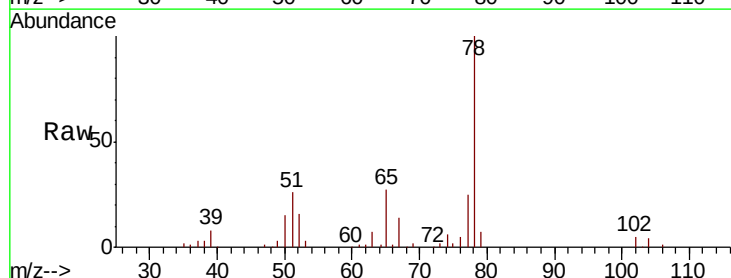


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

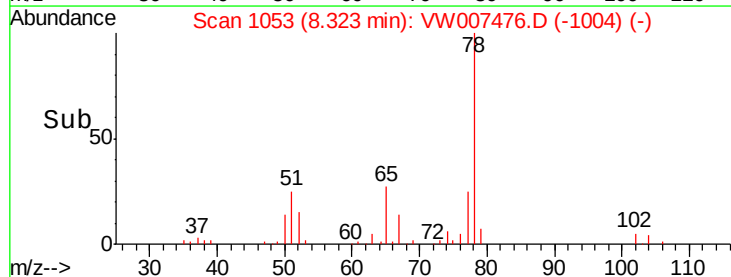
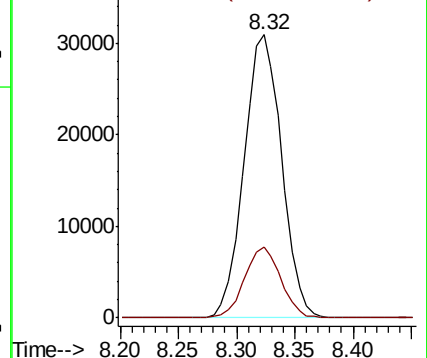


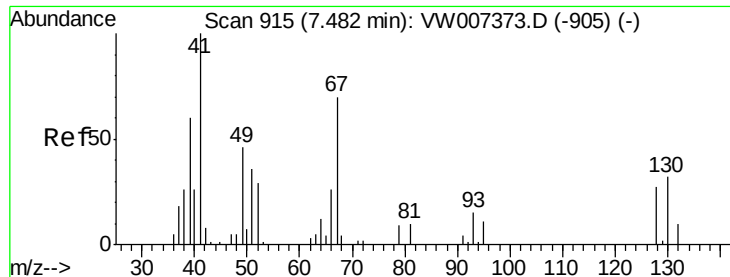
#40
Benzene
Concen: 20.461 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion: 78 Resp: 69465
Ion Ratio Lower Upper
78 100
77 25.0 18.8 28.2



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

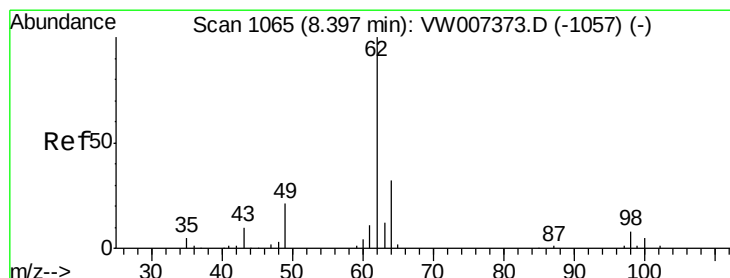
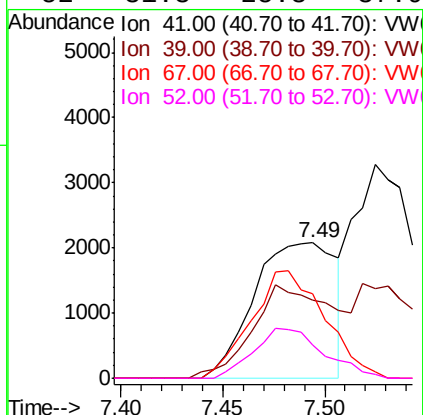
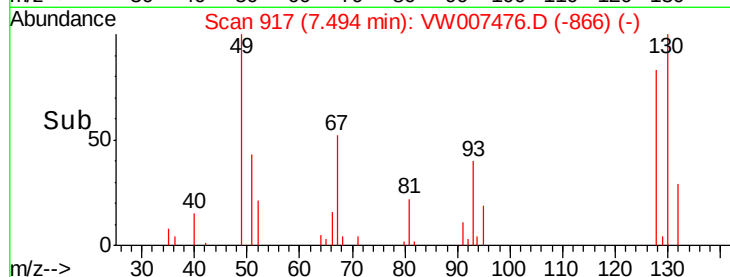
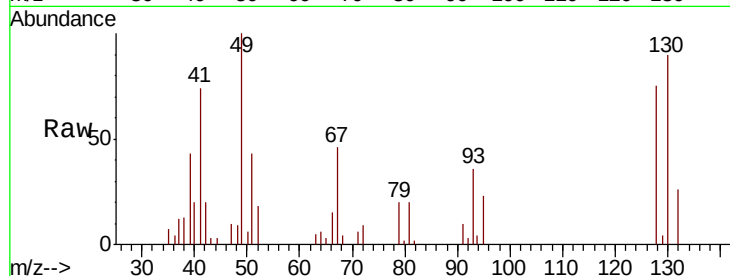




#41
Methacrylonitrile
Concen: 22.512 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

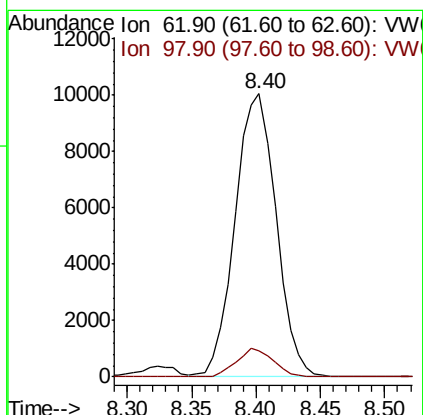
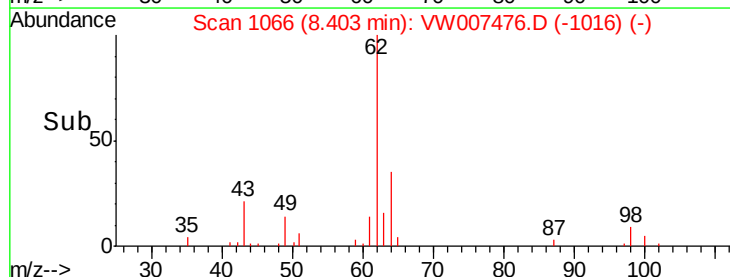
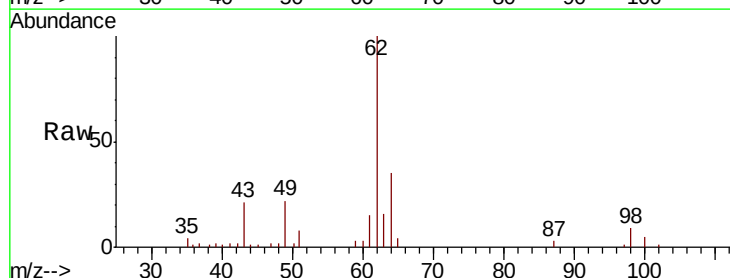
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

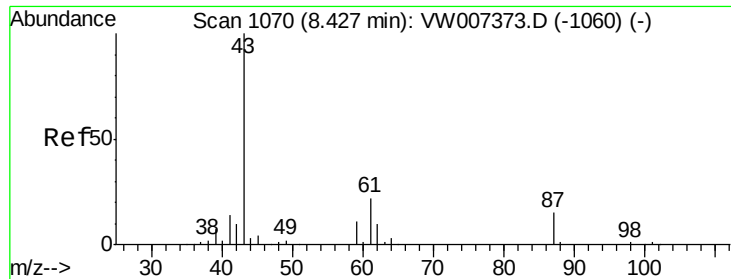
Tot Ion: 41 Resp: 5833
Ion Ratio Lower Upper
41 100
39 69.4 52.2 78.2
67 70.8 60.5 90.7
52 31.3 25.3 37.9



#42
1,2-Dichloroethane
Concen: 20.846 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion: 62 Resp: 22232
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.6





#43

Isopropyl Acetate

Concen: 20.485 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBSD01

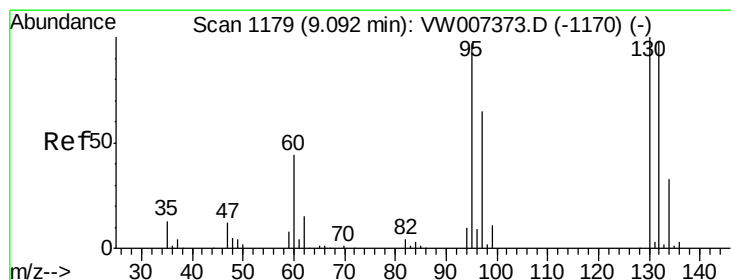
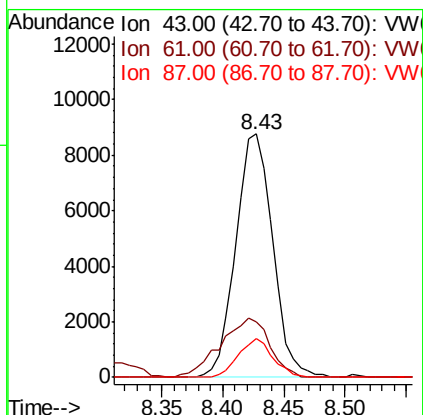
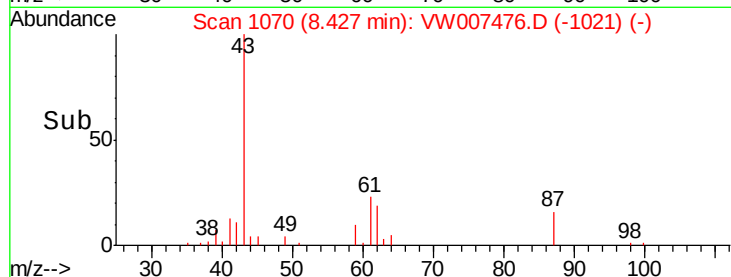
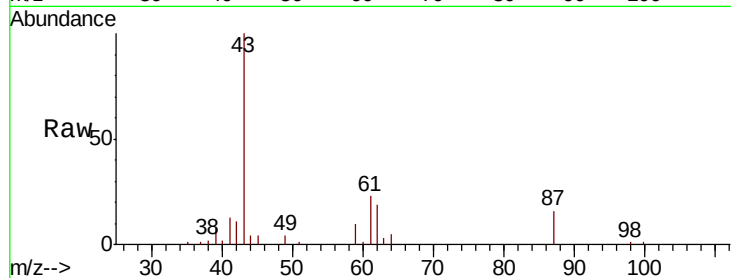
Tot Ion: 43 Resp: 18412

Ion Ratio Lower Upper

43 100

61 32.4 25.3 37.9

87 14.7 11.8 17.8



#44

Trichloroethene

Concen: 21.160 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007476.D

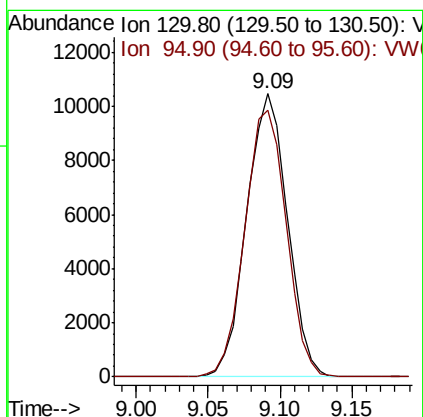
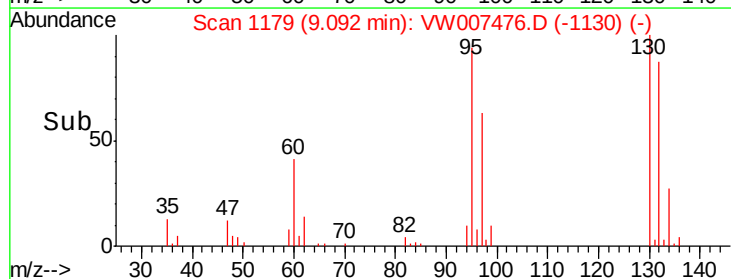
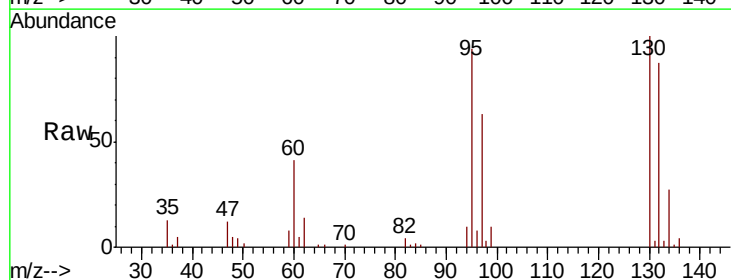
Acq: 13 Dec 2018 09:59

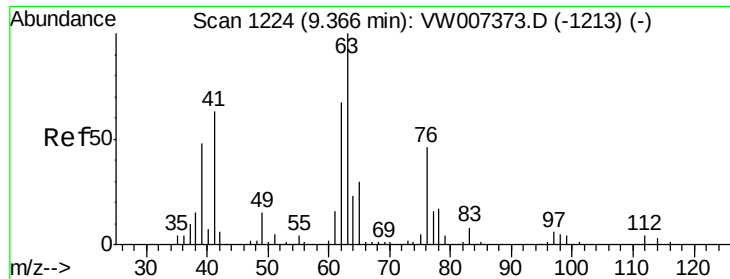
Tgt Ion: 130 Resp: 20514

Ion Ratio Lower Upper

130 100

95 94.2 0.0 193.2





#45

1,2-Dichloropropane

Concen: 21.335 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

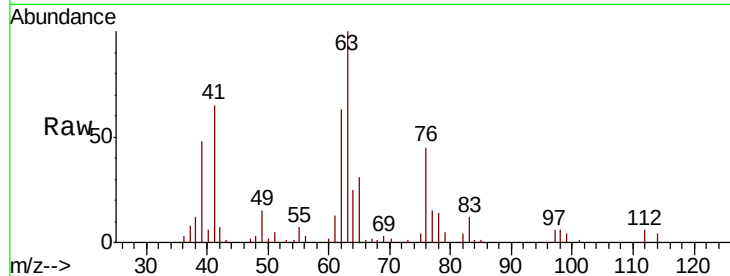
VW1216SBSD01

Tot Ion: 63 Resp: 16762

Ion Ratio Lower Upper

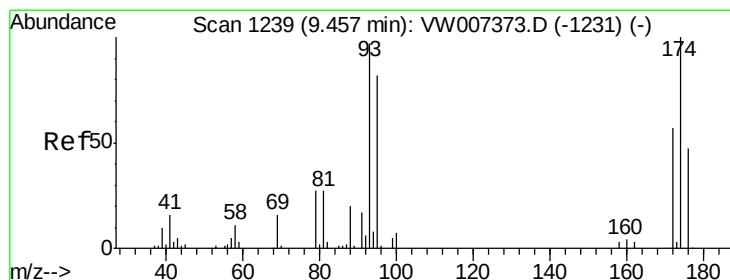
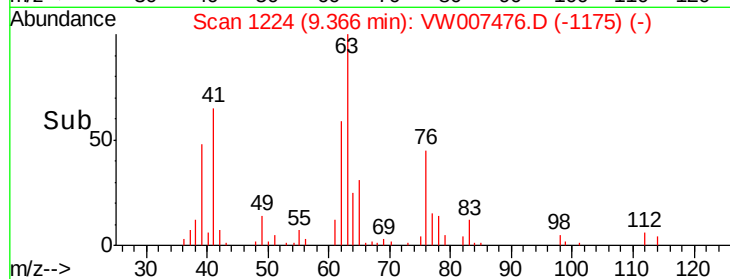
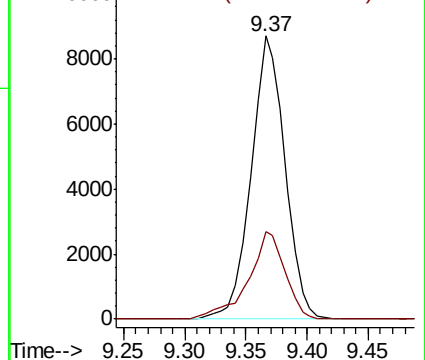
63 100

65 30.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.658 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

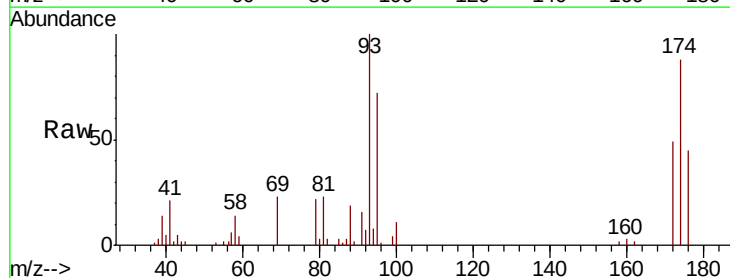
Tgt Ion: 93 Resp: 9663

Ion Ratio Lower Upper

93 100

95 79.0 68.0 102.0

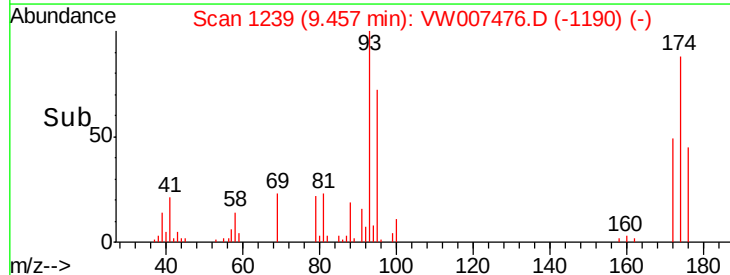
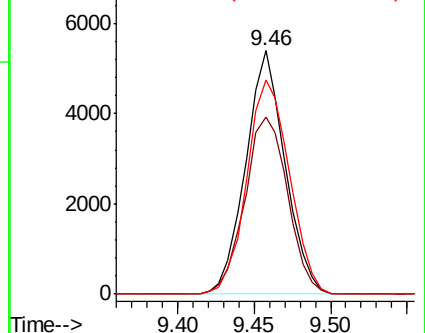
174 95.0 83.2 124.8

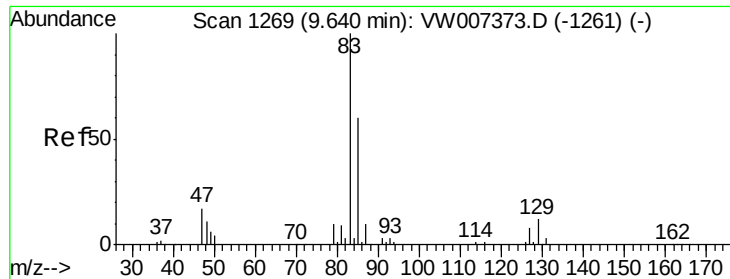


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.014 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBSD01

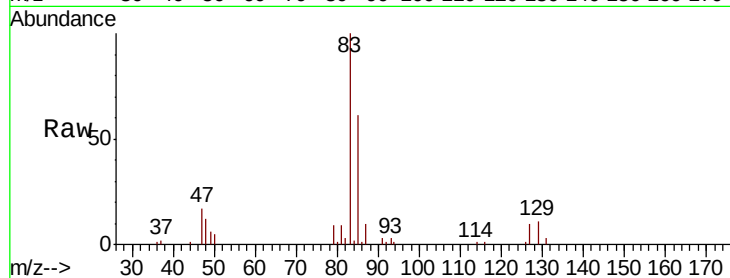
Tot Ion: 83 Resp: 24592

Ion Ratio Lower Upper

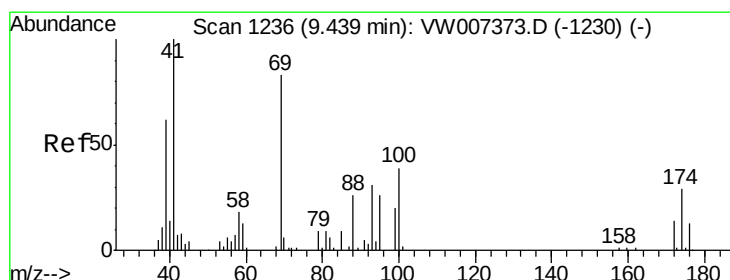
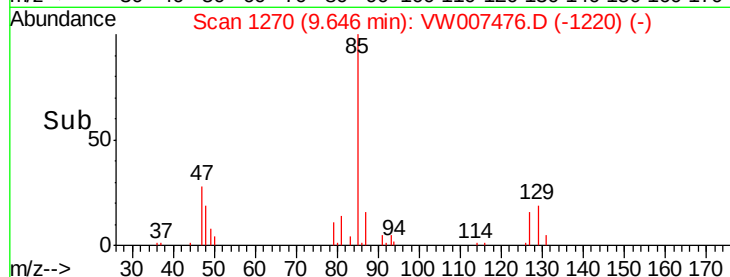
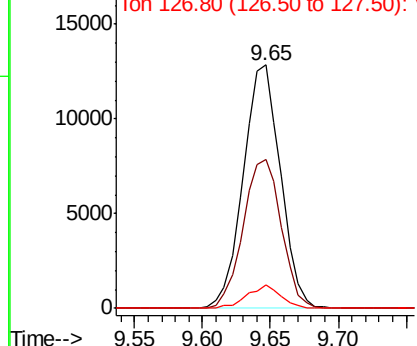
83 100

85 61.1 47.6 71.4

127 9.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.359 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

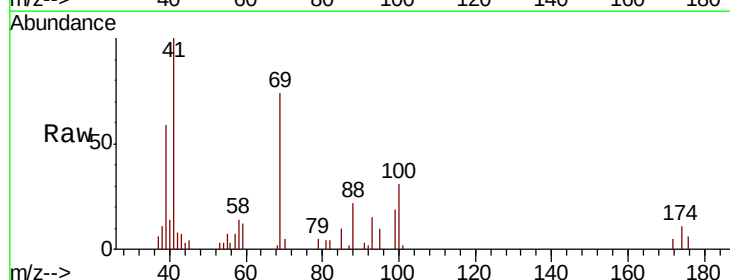
Tgt Ion: 41 Resp: 8936

Ion Ratio Lower Upper

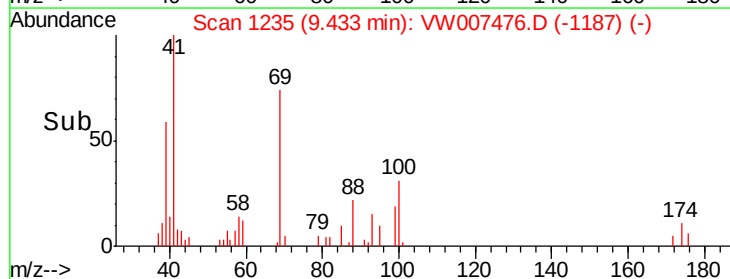
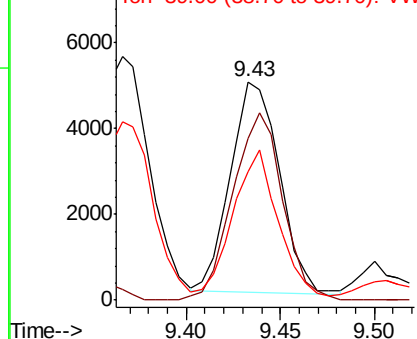
41 100

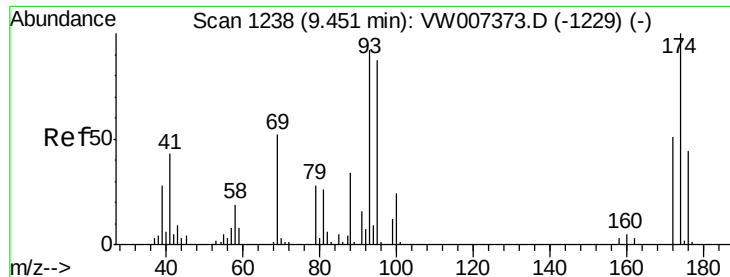
69 89.7 69.8 104.8

39 67.0 50.9 76.3



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

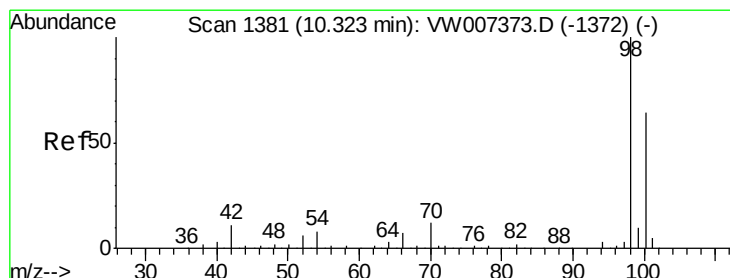
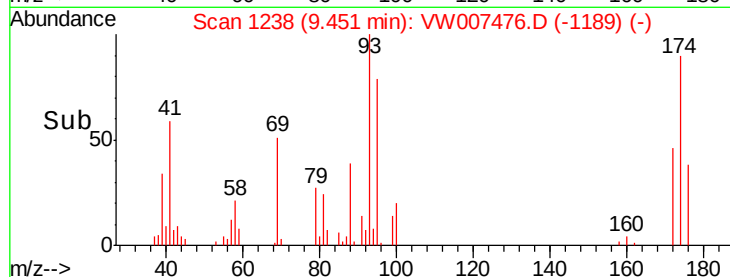
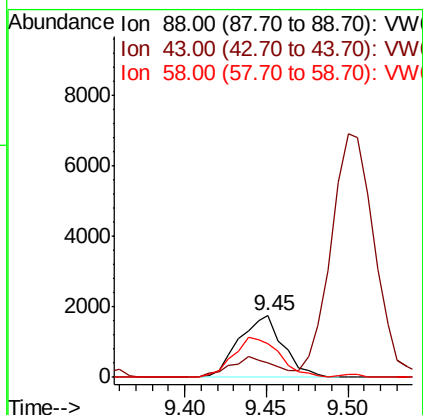
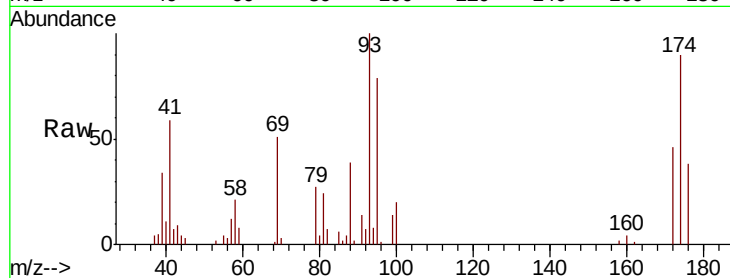




#49
 1,4-Dioxane
 Concen: 455.710 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

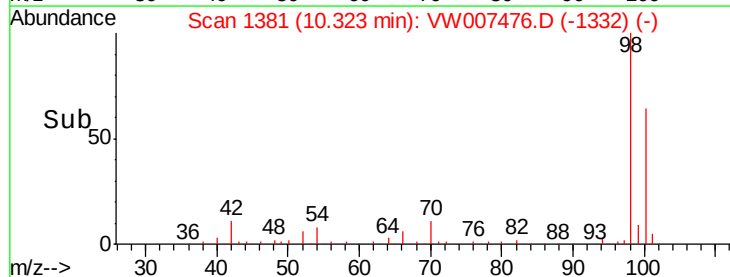
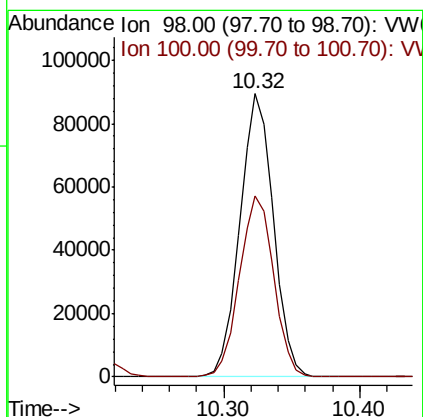
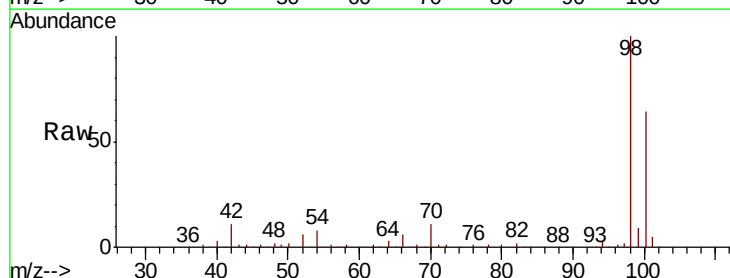
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

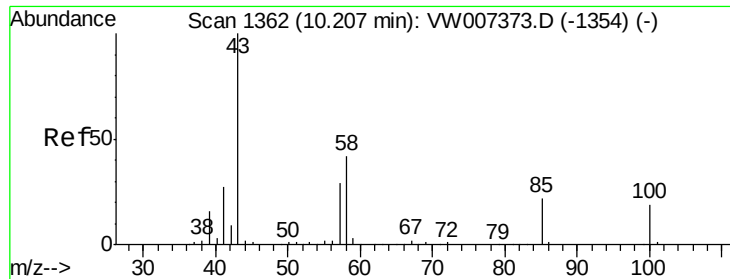
Tot Ion: 88 Resp: 3299
 Ion Ratio Lower Upper
 88 100
 43 34.7 25.0 37.4
 58 68.1 51.4 77.2



#50
 Toluene-d8
 Concen: 50.516 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion: 98 Resp: 153759
 Ion Ratio Lower Upper
 98 100
 100 65.3 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 102.815 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

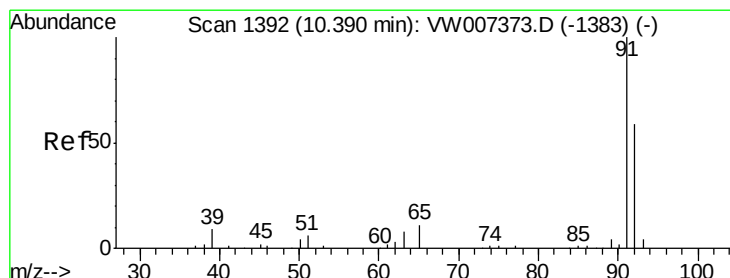
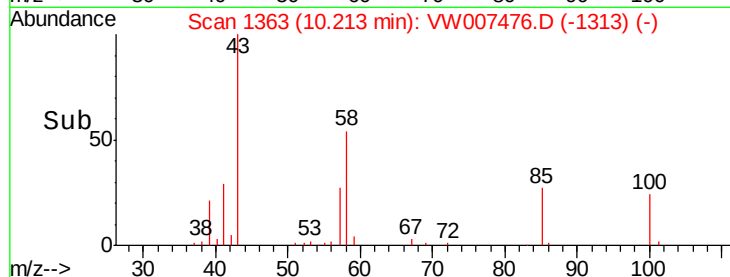
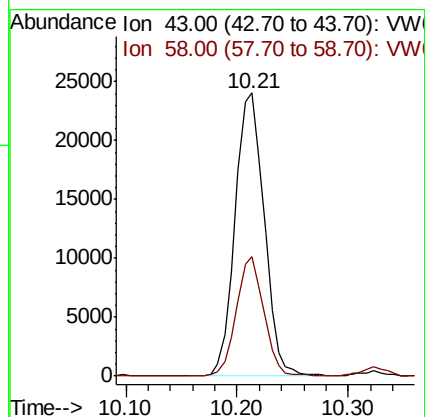
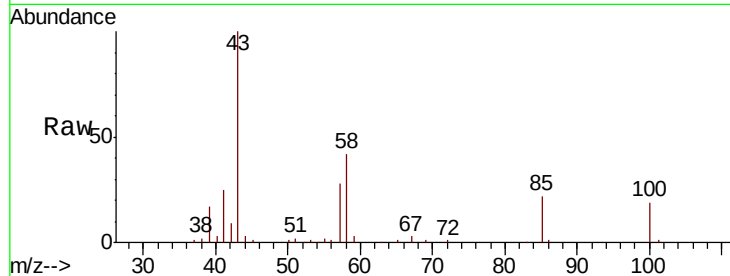
VW1216SBS01

Tot Ion: 43 Resp: 43663

Ion Ratio Lower Upper

43 100

58 39.6 33.1 49.7



#52

Toluene

Concen: 21.238 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007476.D

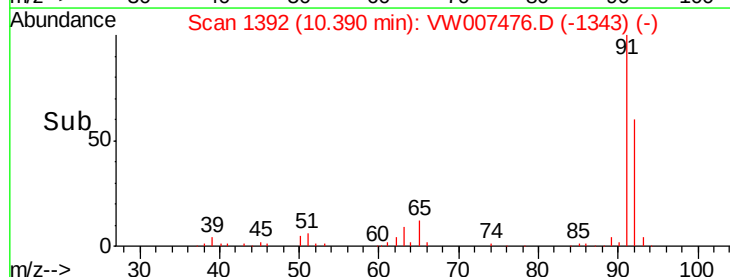
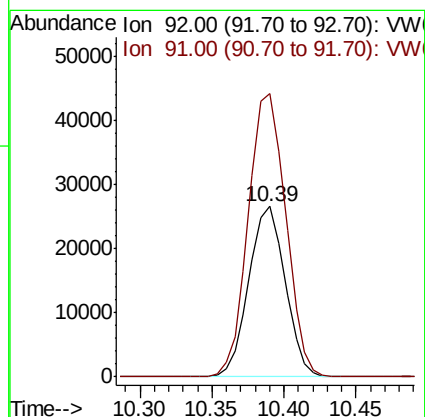
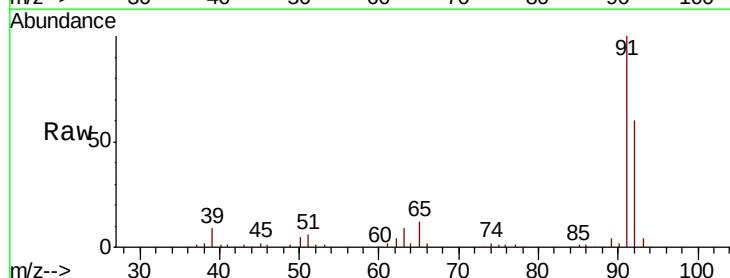
Acq: 13 Dec 2018 09:59

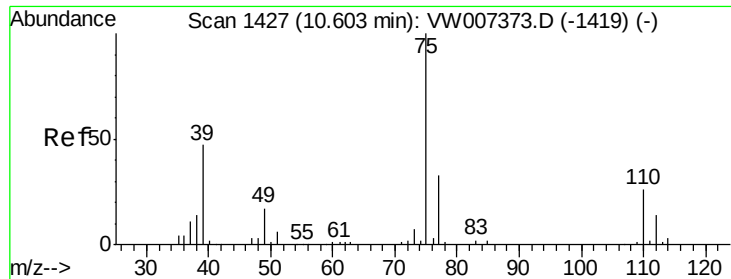
Tgt Ion: 92 Resp: 46662

Ion Ratio Lower Upper

92 100

91 170.7 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 20.322 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

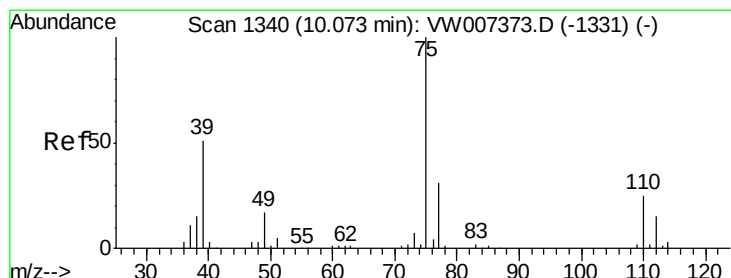
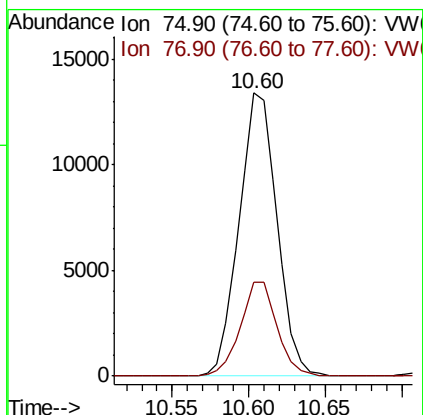
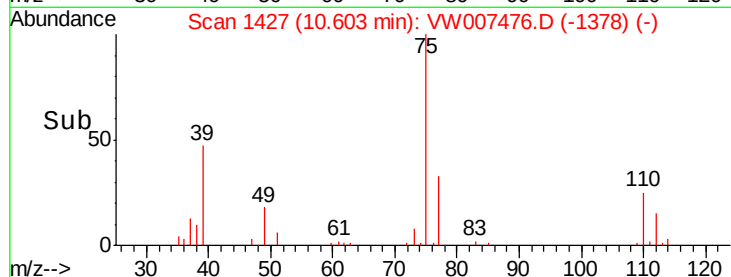
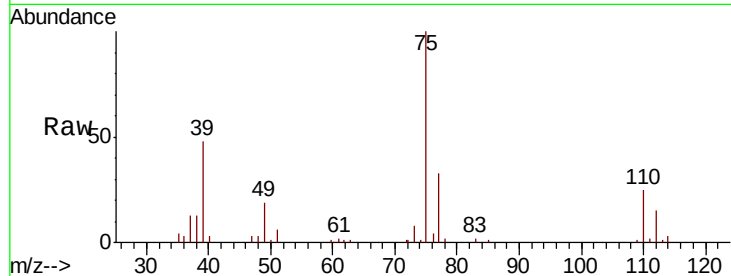
VW1216SBSD01

Tot Ion: 75 Resp: 23089

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 19.944 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

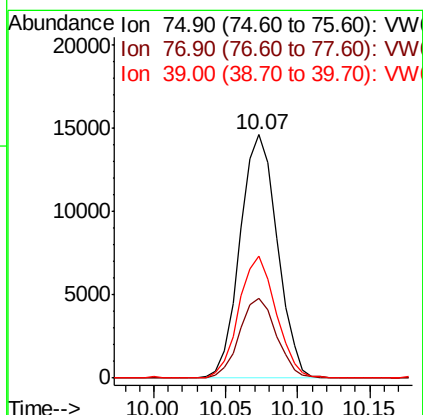
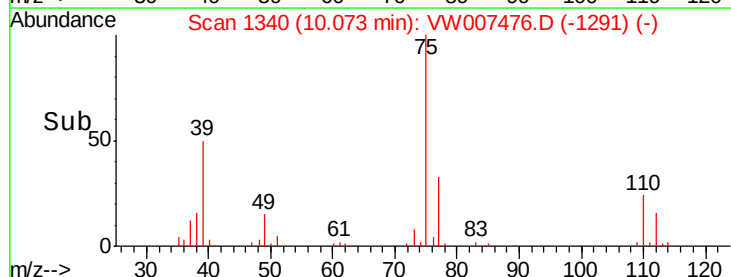
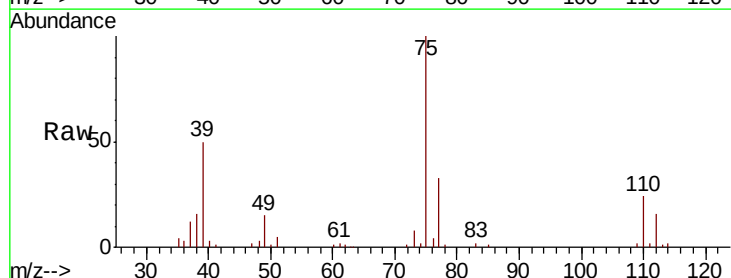
Tgt Ion: 75 Resp: 26195

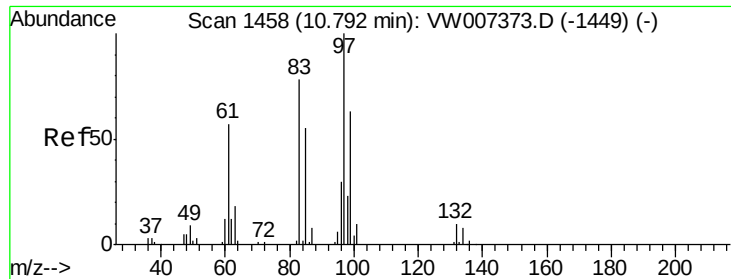
Ion Ratio Lower Upper

75 100

77 32.9 24.8 37.2

39 49.9 40.9 61.3

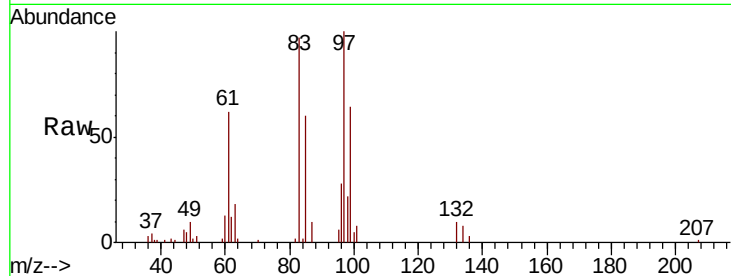




#55
 1,1,2-Trichloroethane
 Concen: 21.794 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	96.9	62.1	93.1
85	60.2	44.2	66.4
99	64.1	50.2	75.4



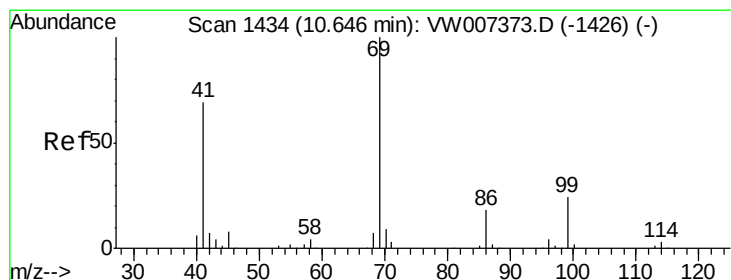
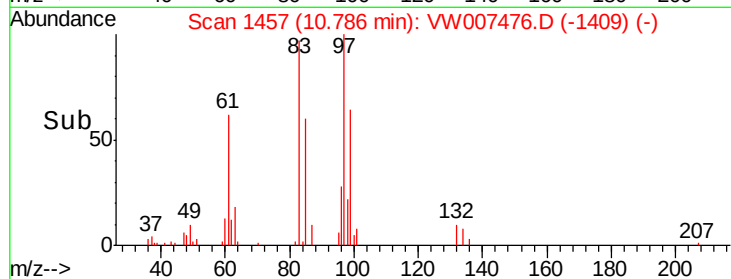
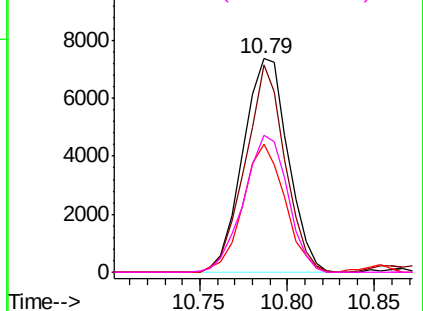
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

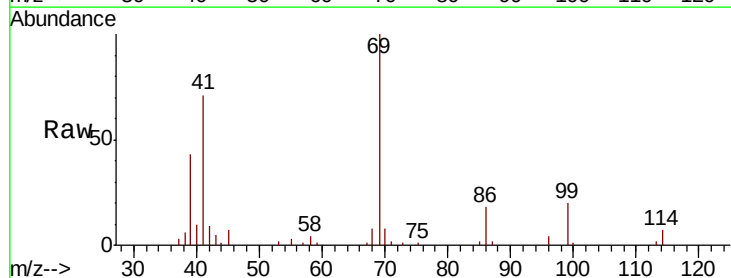
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 21.238 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.0	76.6
39	36.9	30.8	46.2

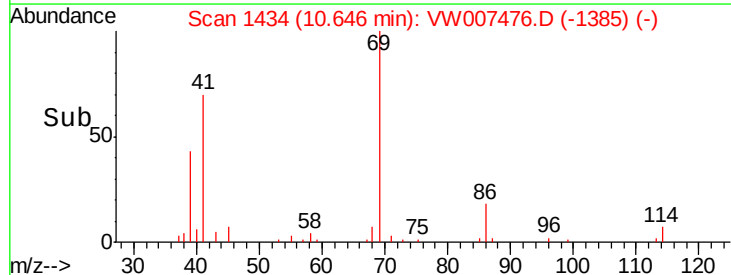
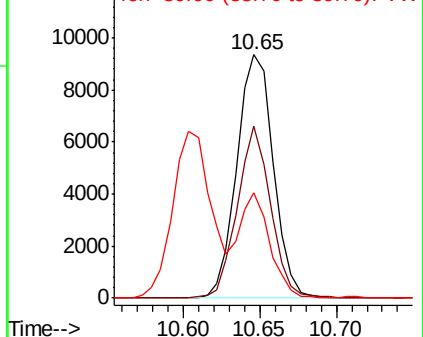


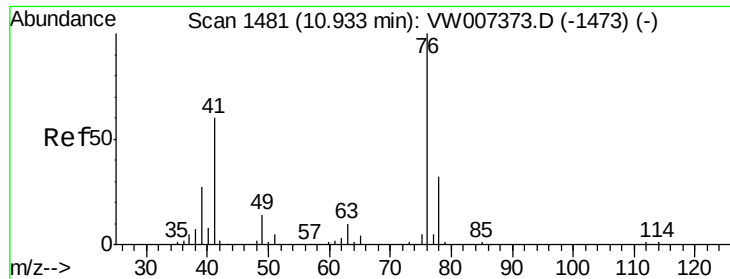
Abundance

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

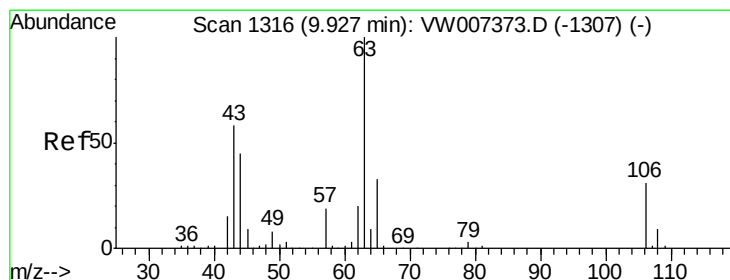
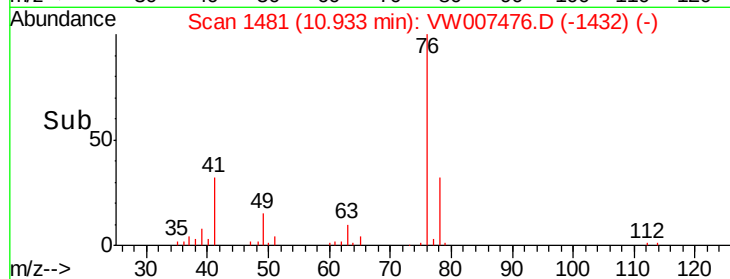
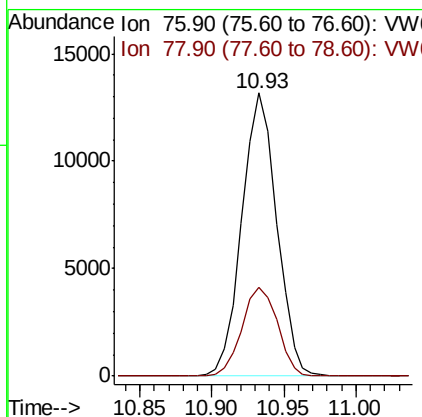
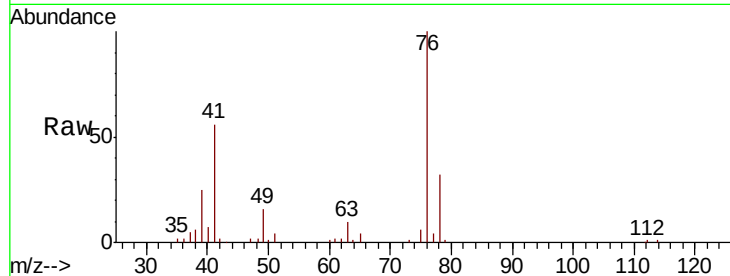




#57
 1,3-Dichloropropane
 Concen: 22.157 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

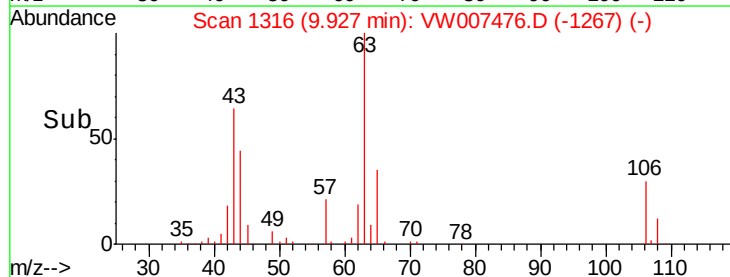
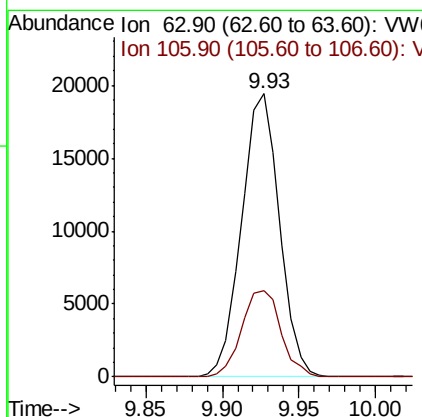
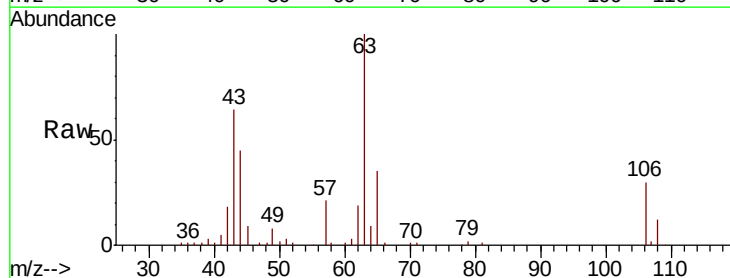
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

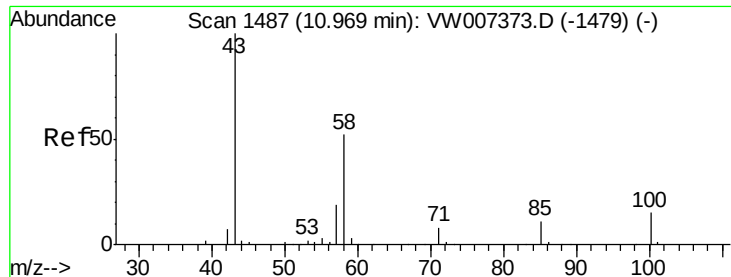
Tot Ion: 76 Resp: 22083
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.244 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion: 63 Resp: 33403
 Ion Ratio Lower Upper
 63 100
 106 31.6 25.0 37.6

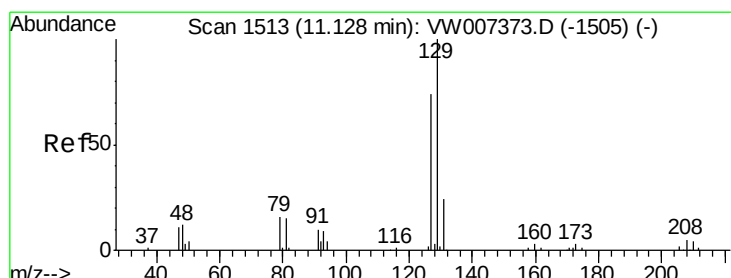
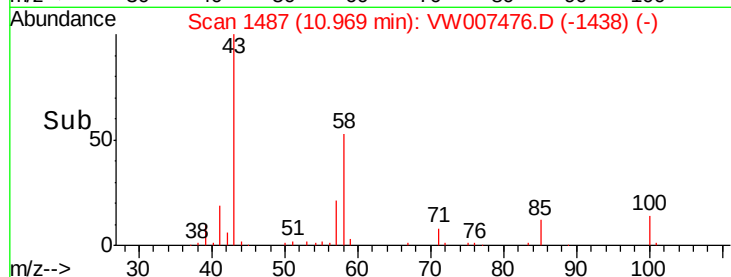
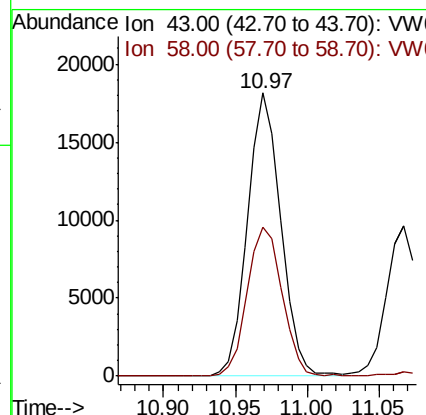
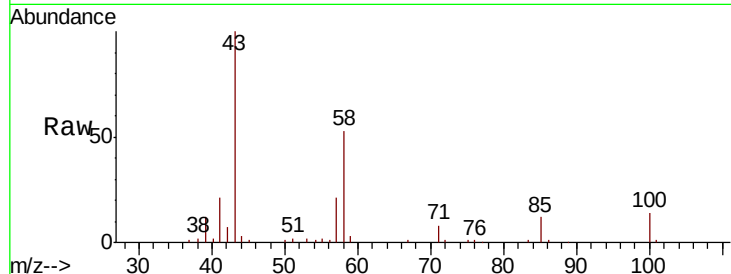




#59
2-Hexanone
Concen: 102.343 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

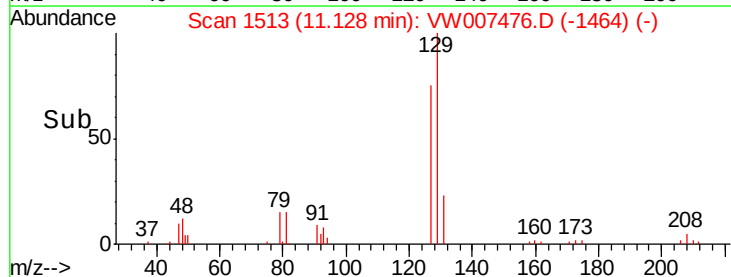
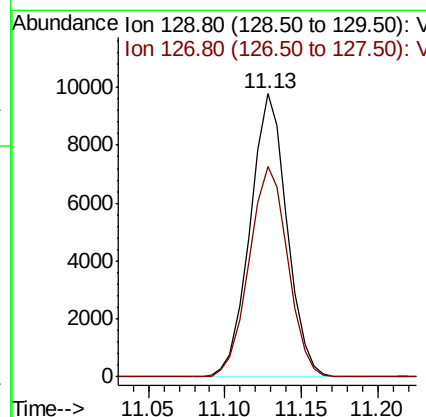
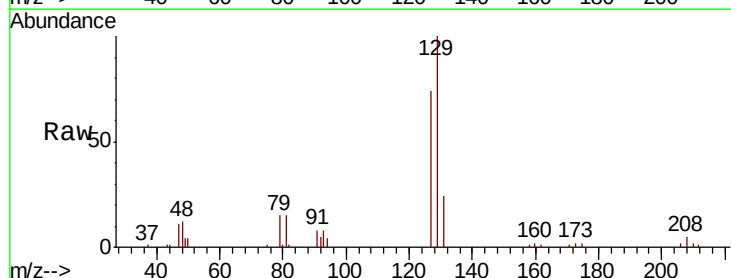
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBSD01

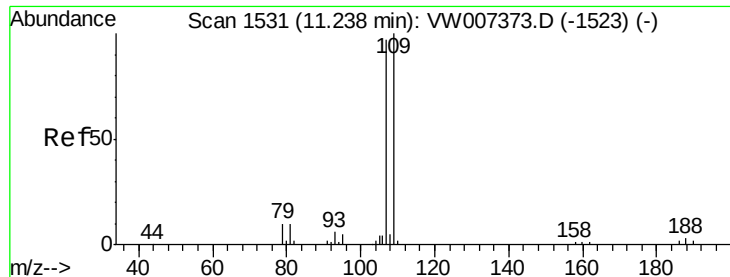
Tot Ion: 43 Resp: 28981
Ion Ratio Lower Upper
43 100
58 55.2 27.1 81.3



#60
Dibromochloromethane
Concen: 21.367 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion: 129 Resp: 16374
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.3

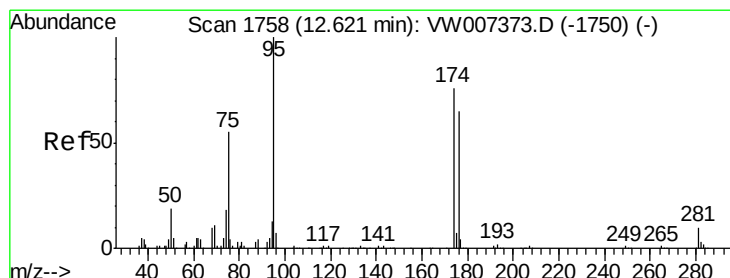
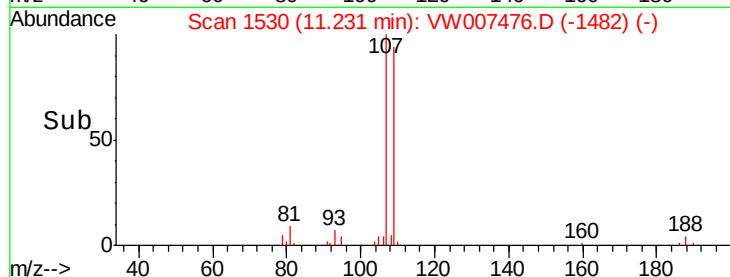
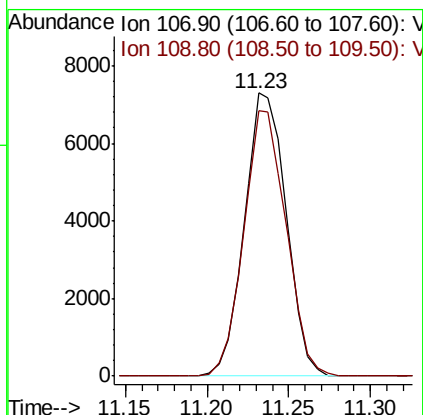
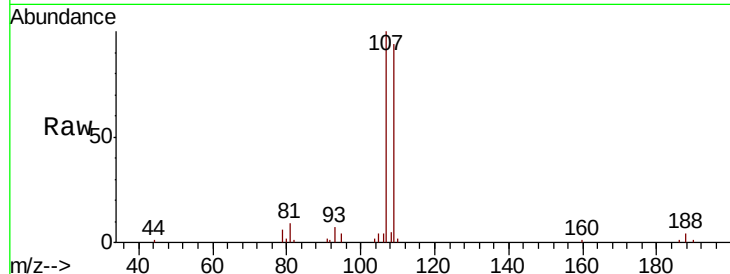




#61
 1,2-Dibromoethane
 Concen: 21.627 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

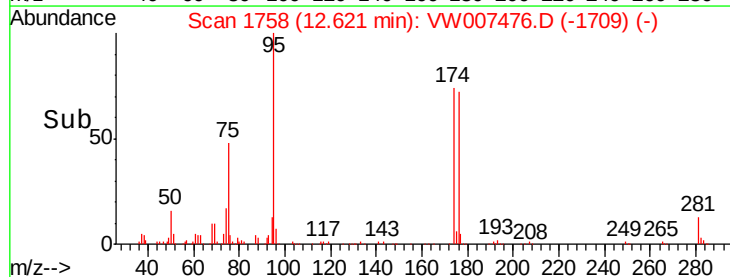
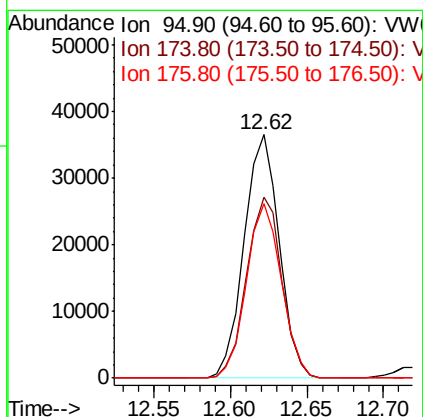
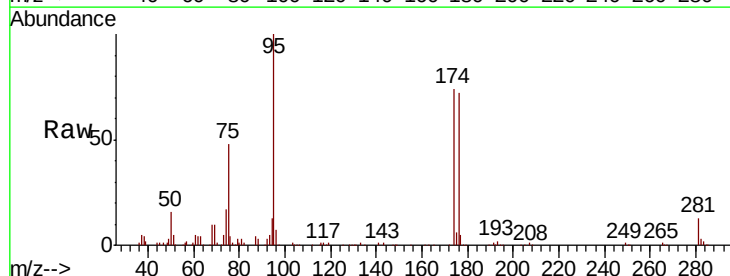
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBSD01

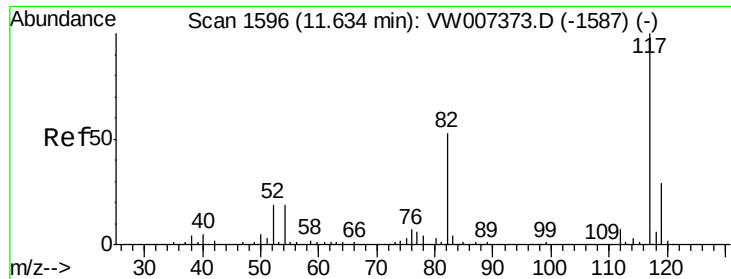
Tot Ion:107 Resp: 12978
 Ion Ratio Lower Upper
 107 100
 109 95.2 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 52.064 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion: 95 Resp: 58266
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 147.2
 176 71.8 0.0 138.8

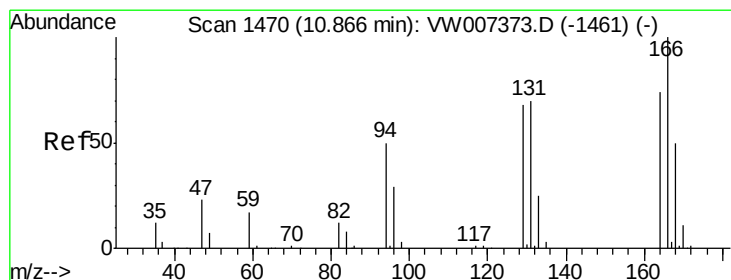
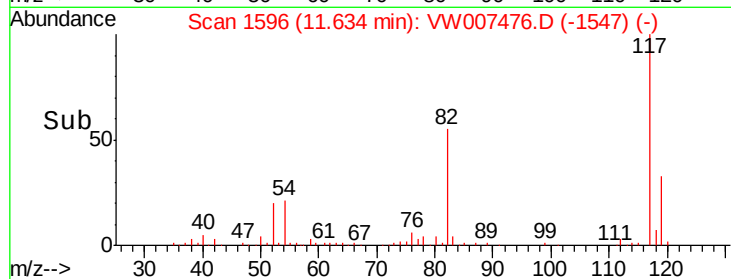
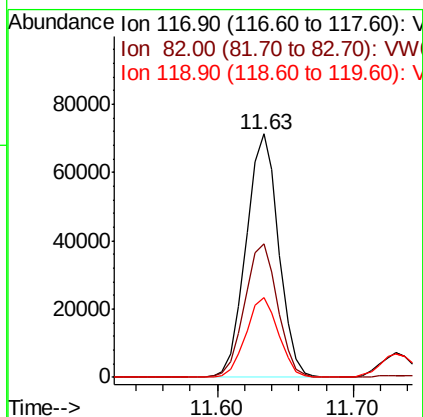
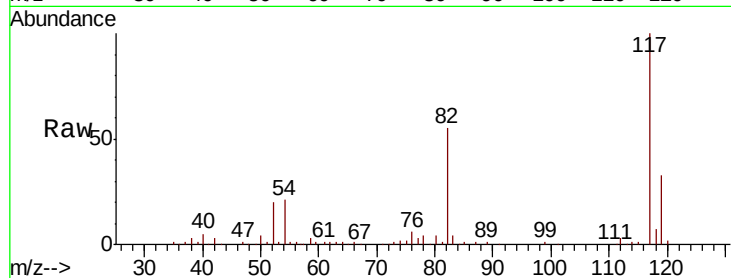




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

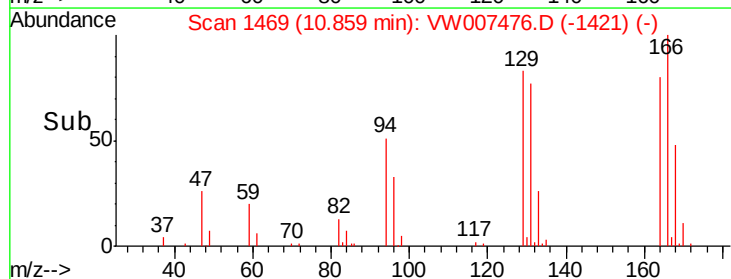
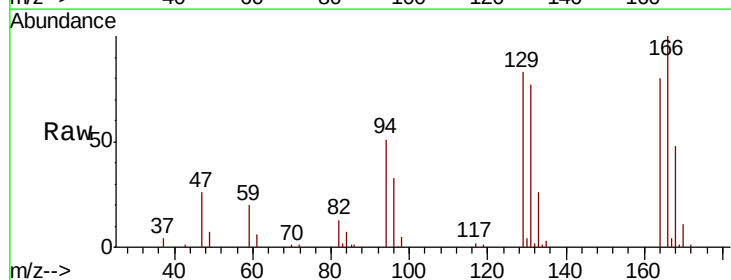
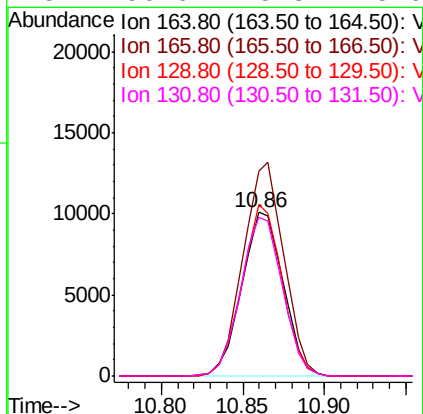
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBSD01

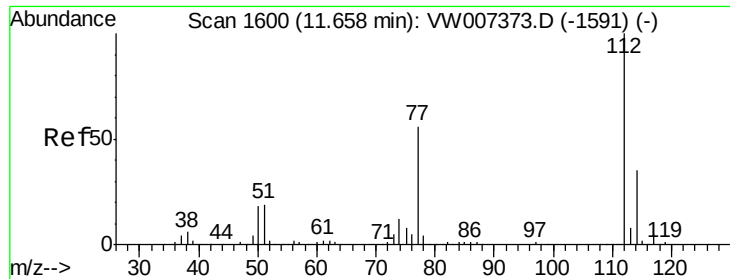
Tot Ion:117 Resp: 119528
Ion Ratio Lower Upper
117 100
82 54.9 42.3 63.5
119 32.7 23.0 34.6



#64
Tetrachloroethene
Concen: 20.719 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion:164 Resp: 17809
Ion Ratio Lower Upper
164 100
166 125.5 107.9 161.9
129 104.5 73.4 110.2
131 96.6 75.8 113.6

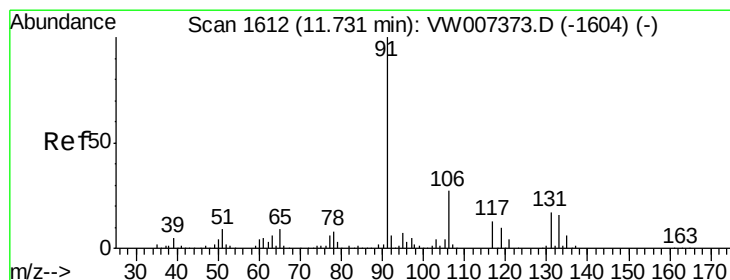
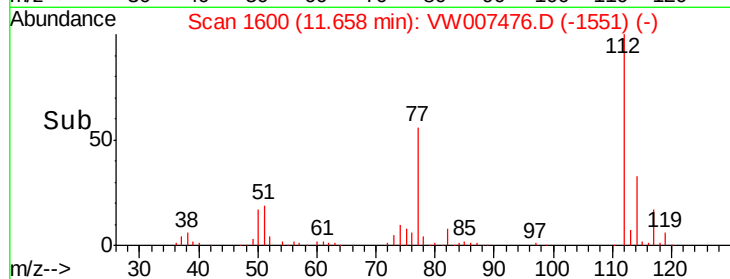
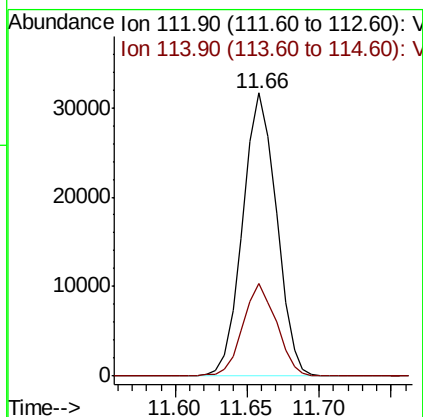
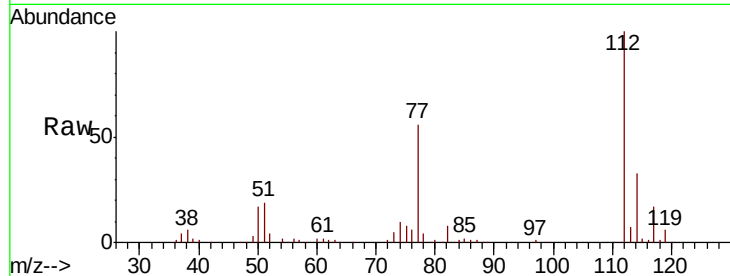




#65
Chlorobenzene
Concen: 20.713 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

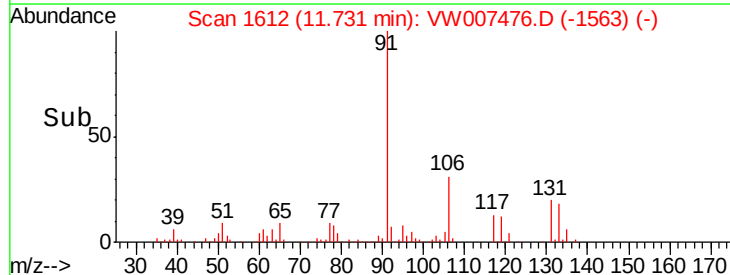
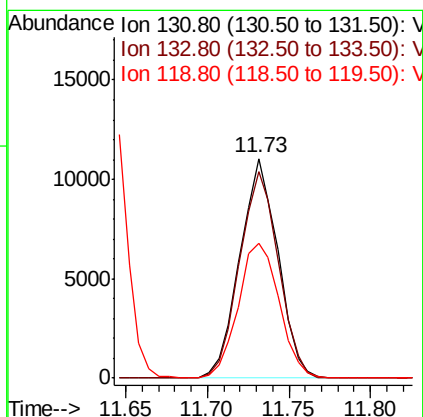
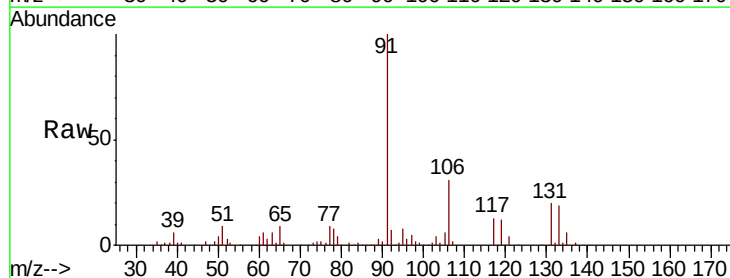
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

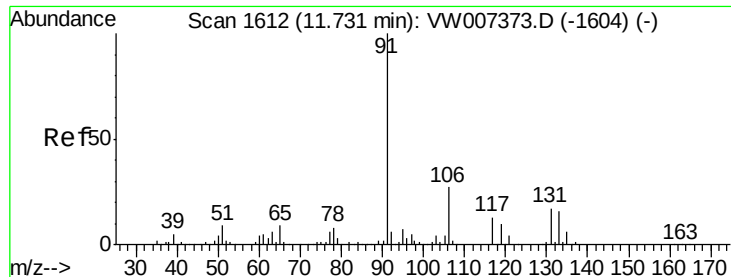
Tot Ion:112 Resp: 51604
Ion Ratio Lower Upper
112 100
114 32.9 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.471 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion:131 Resp: 17962
Ion Ratio Lower Upper
131 100
133 96.0 47.1 141.4
119 66.2 31.3 93.9

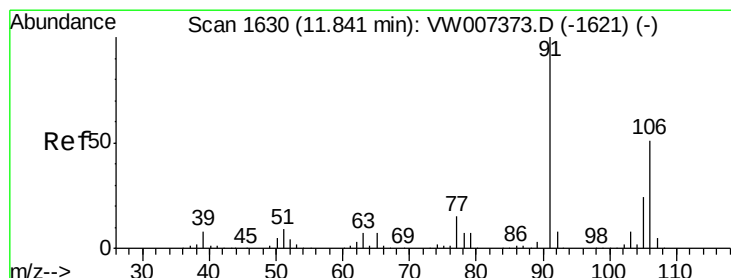
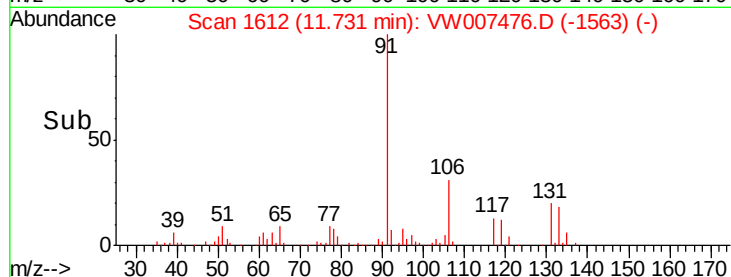
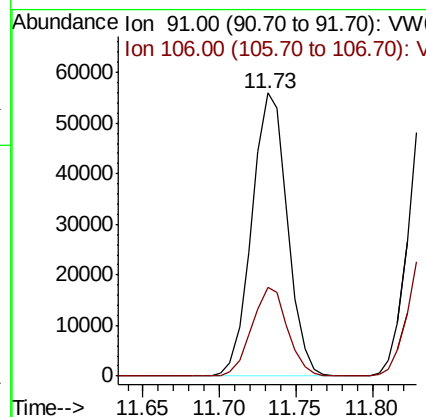
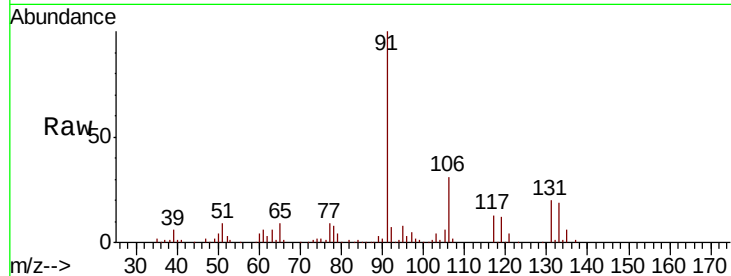




#67
Ethyl Benzene
Concen: 21.124 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

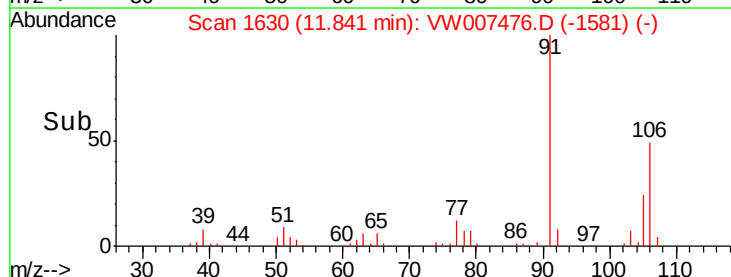
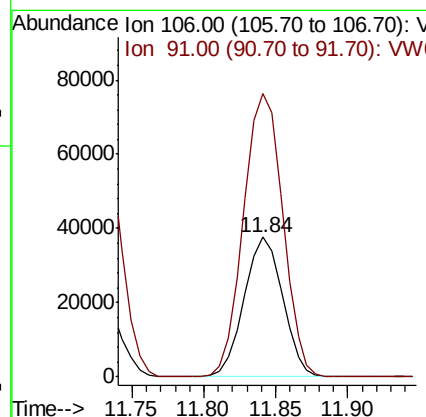
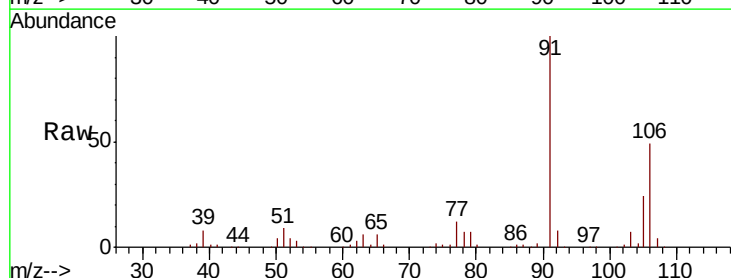
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

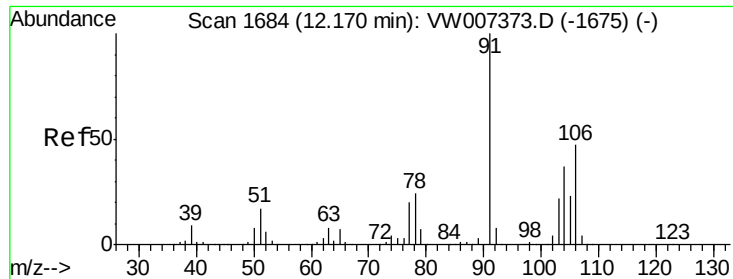
Tot Ion: 91 Resp: 90481
Ion Ratio Lower Upper
91 100
106 31.2 21.8 32.8



#68
m/p-Xylenes
Concen: 41.969 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion: 106 Resp: 69886
Ion Ratio Lower Upper
106 100
91 207.4 165.3 247.9

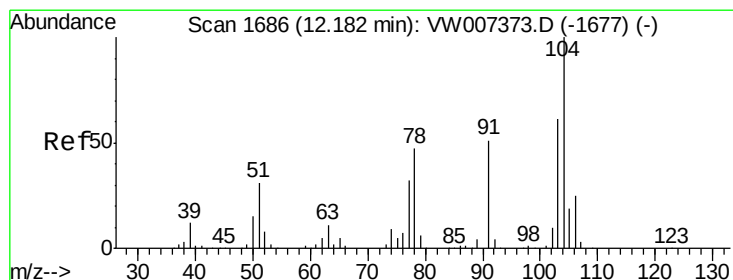
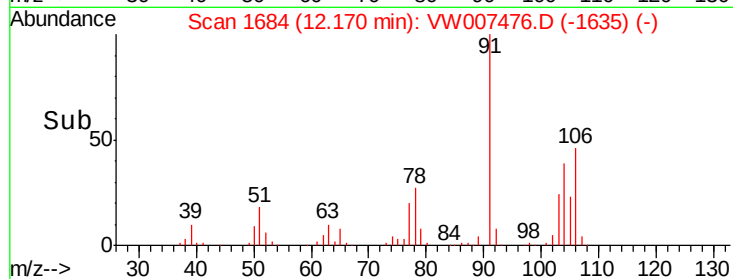
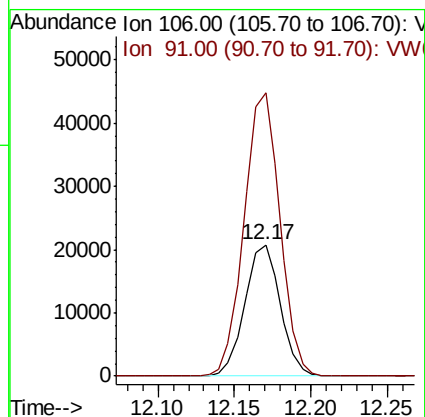
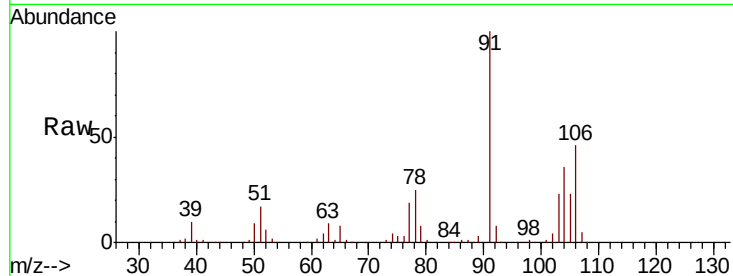




#69
o-Xylene
Concen: 21.485 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

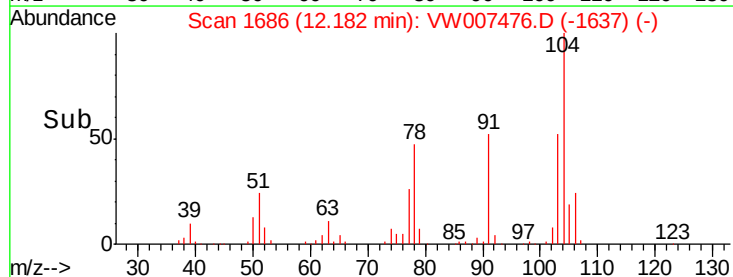
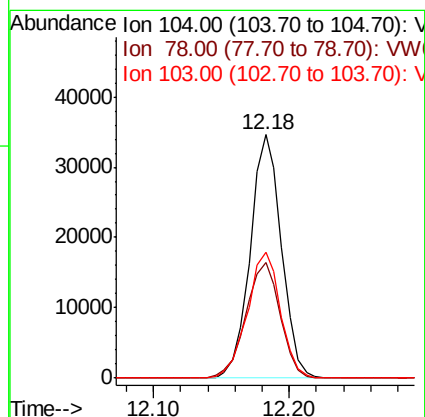
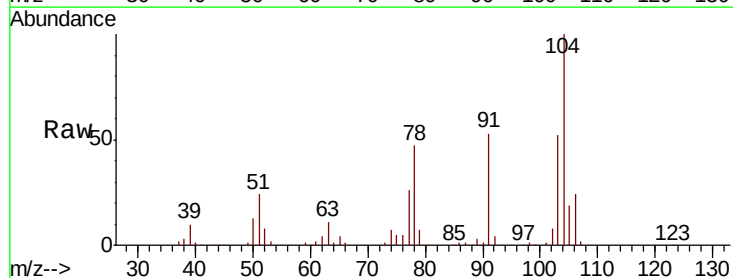
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBSD01

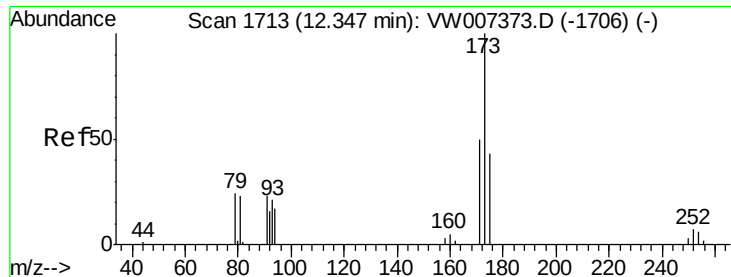
Tot Ion:106 Resp: 33413
Ion Ratio Lower Upper
106 100
91 217.7 106.6 319.8



#70
Styrene
Concen: 22.111 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion:104 Resp: 55540
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 55.1 46.6 69.8





#71

Bromoform

Concen: 20.048 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBSD01

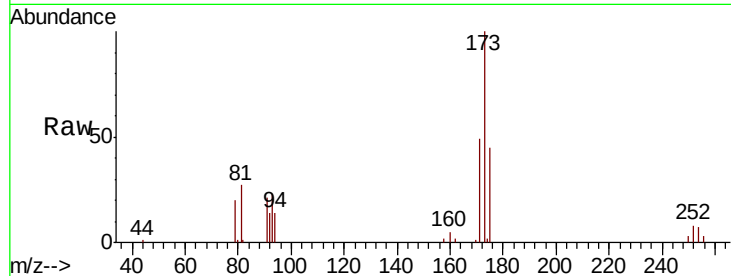
Tot Ion:173 Resp: 9004

Ion Ratio Lower Upper

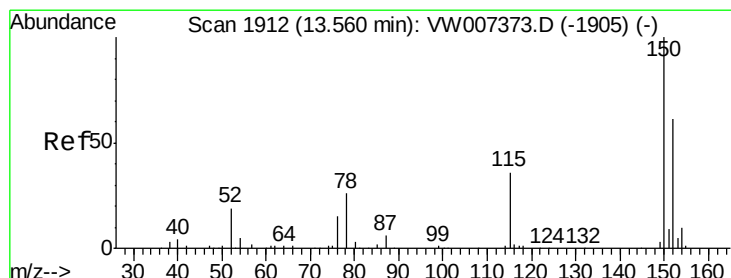
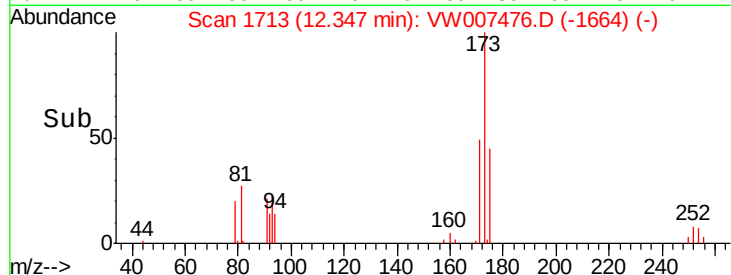
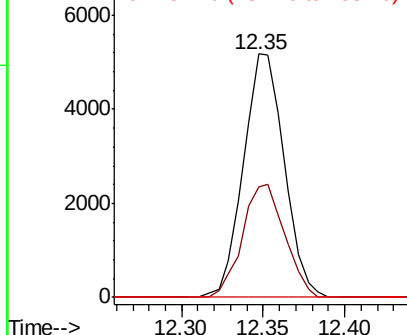
173 100

175 48.1 23.6 70.8

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: VW007476.D

Acq: 13 Dec 2018 09:59

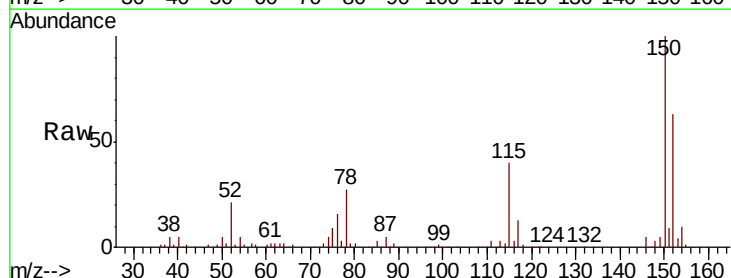
Tgt Ion:152 Resp: 60681

Ion Ratio Lower Upper

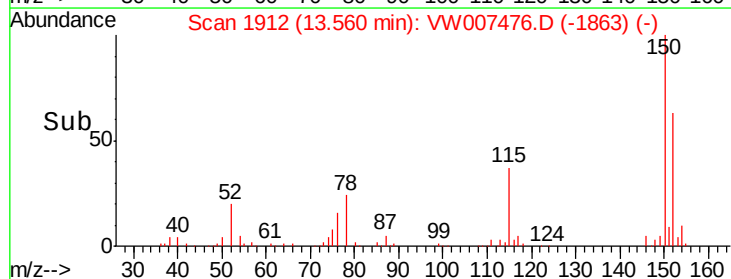
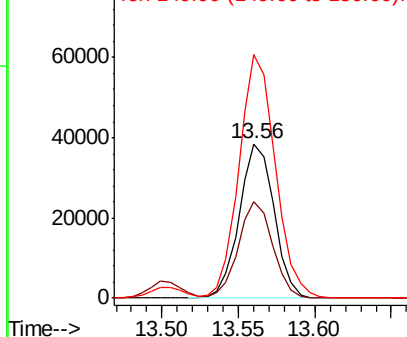
152 100

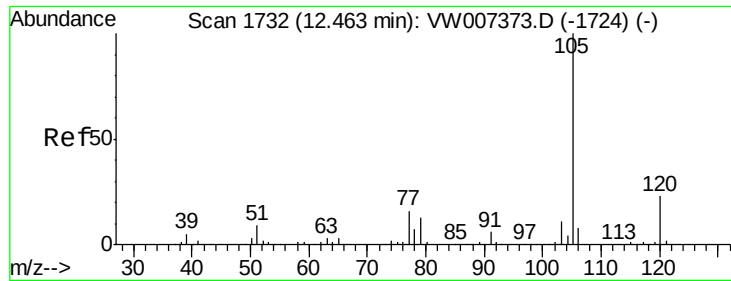
115 61.4 31.4 94.2

150 164.8 0.0 358.4



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: 20.053 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

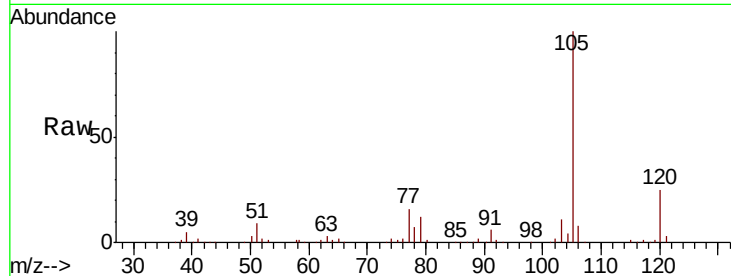
VW1216SBSD01

Tot Ion:105 Resp: 93237

Ion Ratio Lower Upper

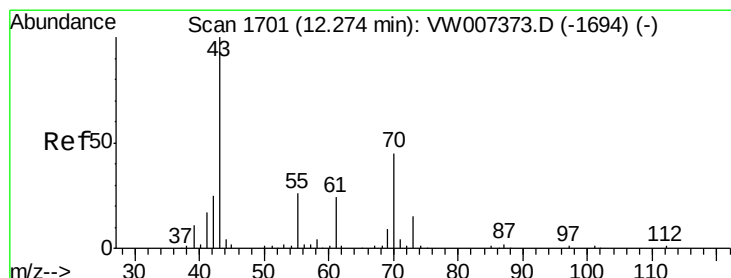
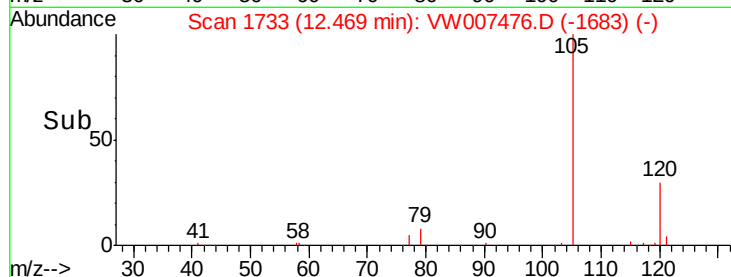
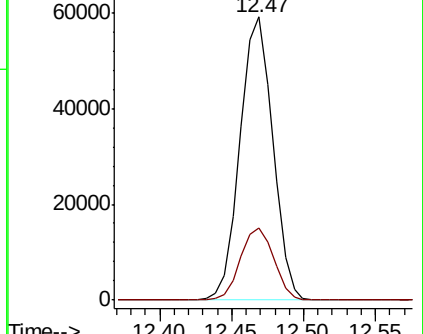
105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.762 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Tgt Ion: 43 Resp: 16699

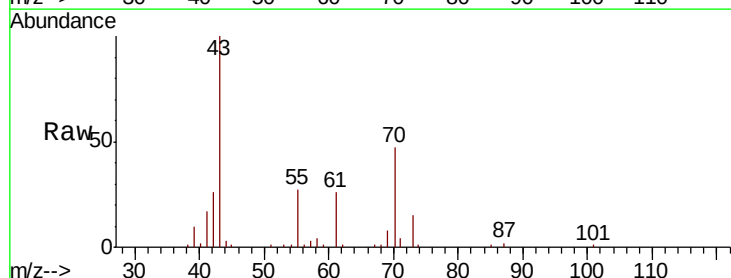
Ion Ratio Lower Upper

43 100

70 45.7 36.5 54.7

55 26.2 20.1 30.1

61 25.0 19.3 28.9

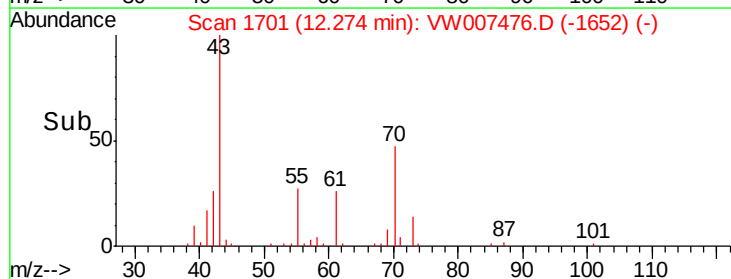
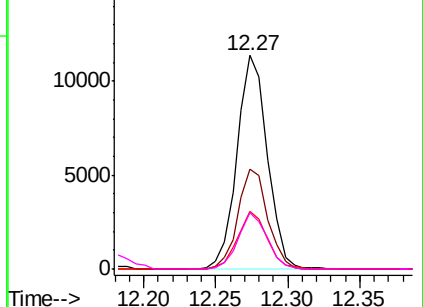


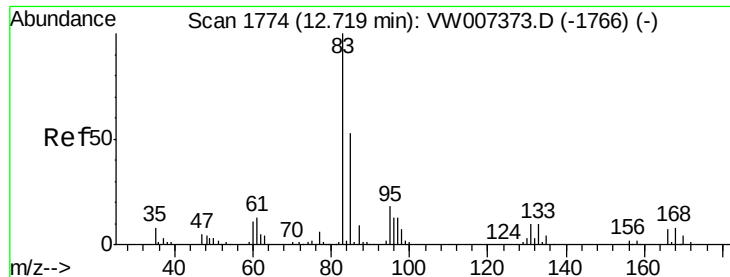
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.679 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBSD01

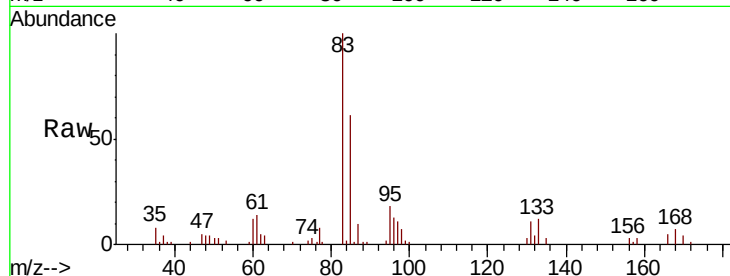
Tot Ion: 83 Resp: 14241

Ion Ratio Lower Upper

83 100

131 12.4 5.9 17.8

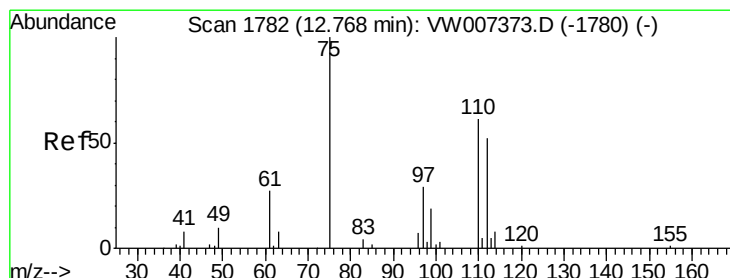
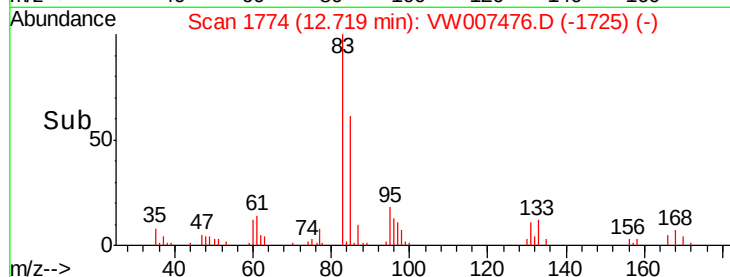
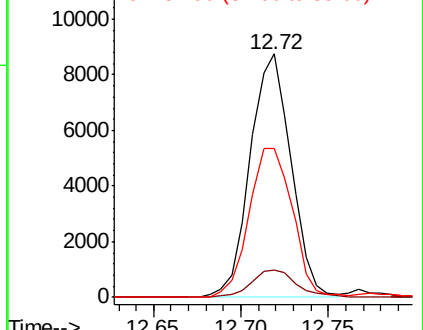
85 65.1 30.0 90.0



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: 37.671 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW007476.D

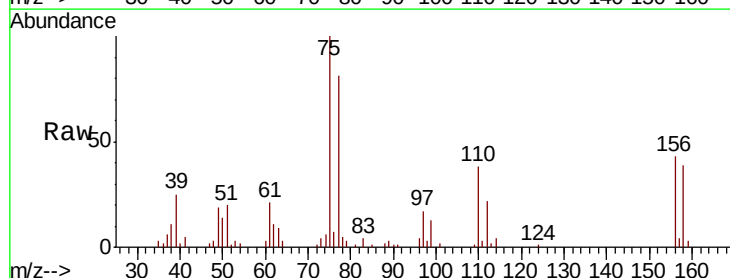
Acq: 13 Dec 2018 09:59

Tgt Ion: 75 Resp: 18848

Ion Ratio Lower Upper

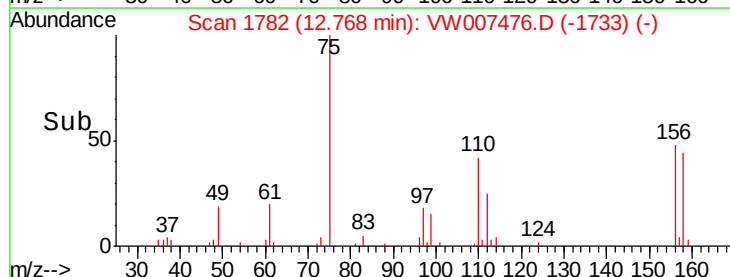
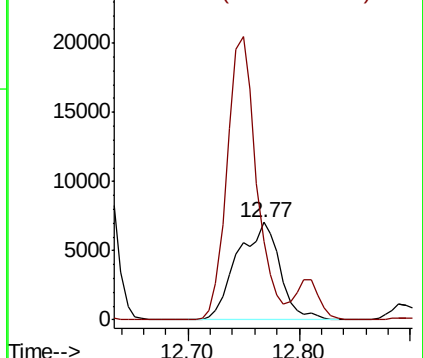
75 100

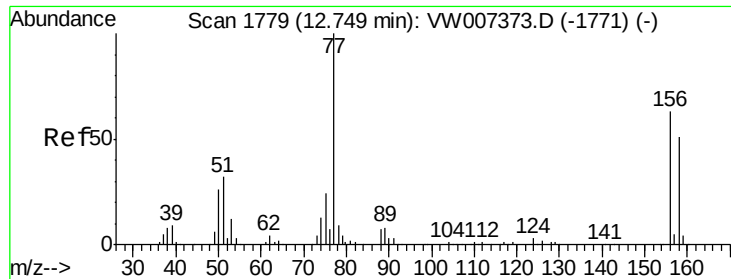
77 199.0 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.379 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

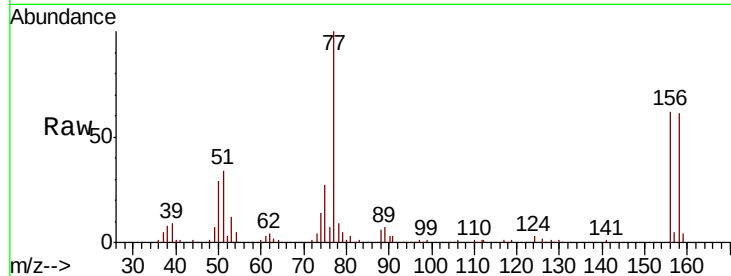
Tot Ion:156 Resp: 21003

Ion Ratio Lower Upper

156 100

77 178.6 88.1 264.4

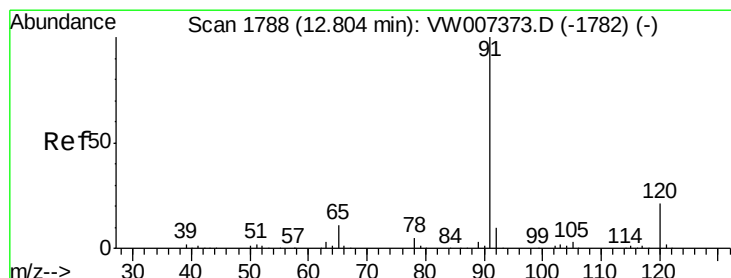
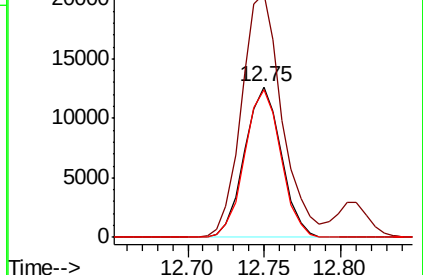
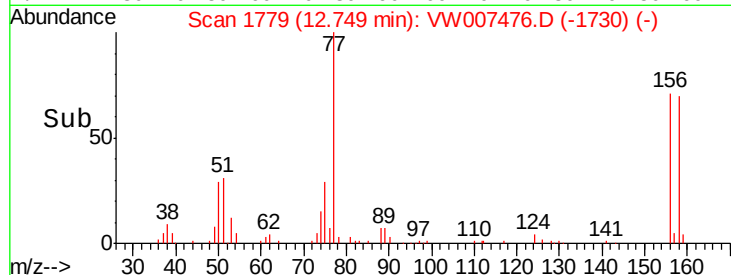
158 97.2 45.6 136.7



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: 20.655 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007476.D

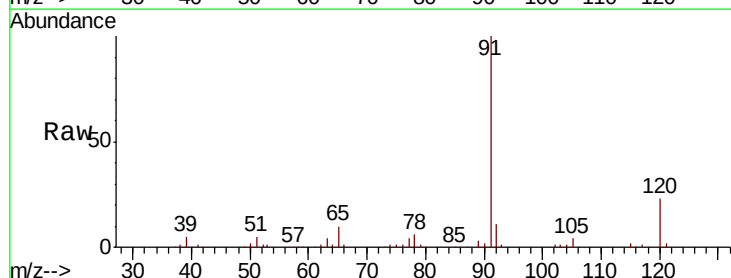
Acq: 13 Dec 2018 09:59

Tgt Ion: 91 Resp: 108082

Ion Ratio Lower Upper

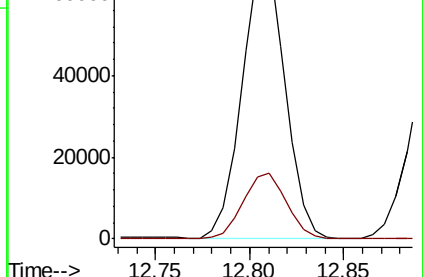
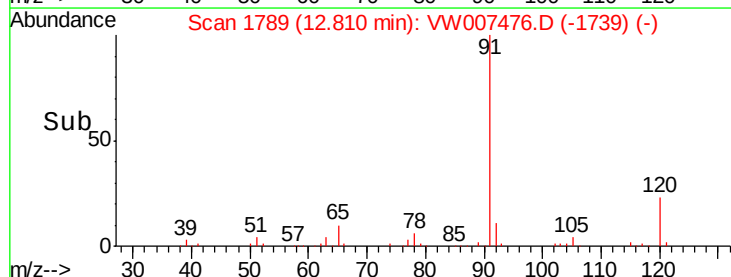
91 100

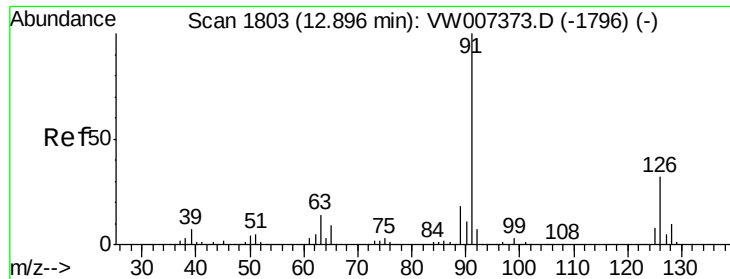
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.105 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

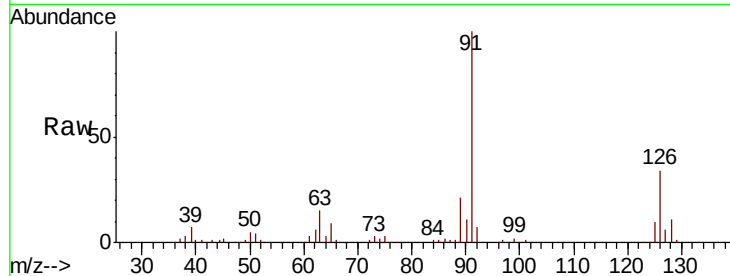
VW1216SBSD01

Tot Ion: 91 Resp: 63657

Ion Ratio Lower Upper

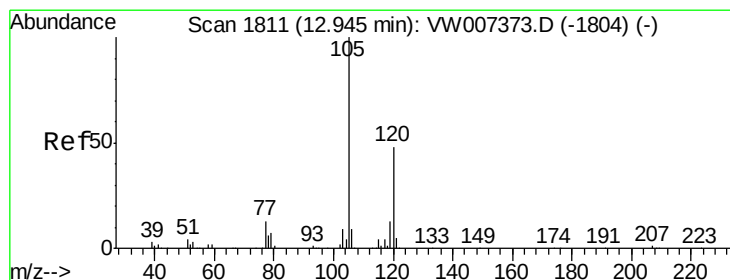
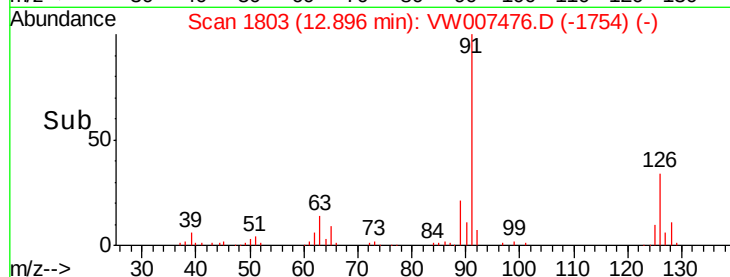
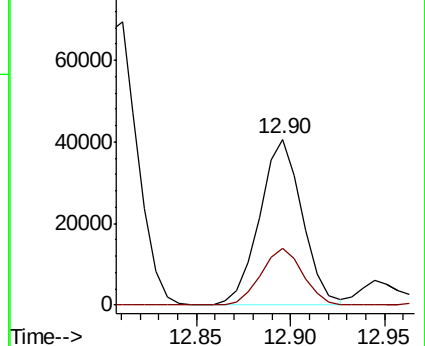
91 100

126 33.9 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.645 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007476.D

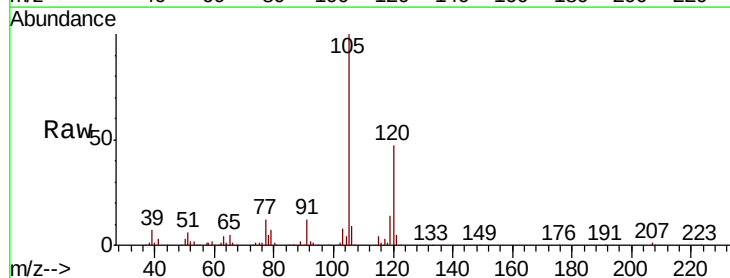
Acq: 13 Dec 2018 09:59

Tgt Ion:105 Resp: 80656

Ion Ratio Lower Upper

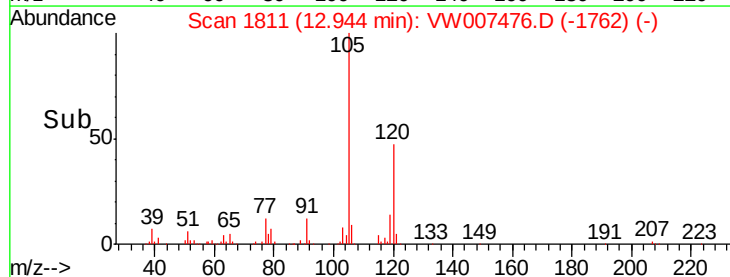
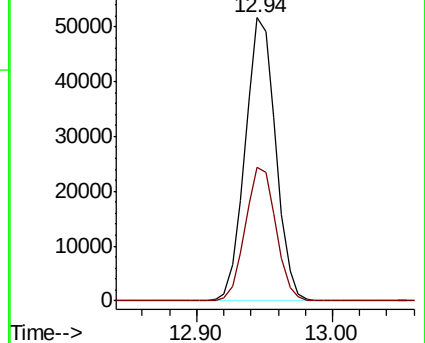
105 100

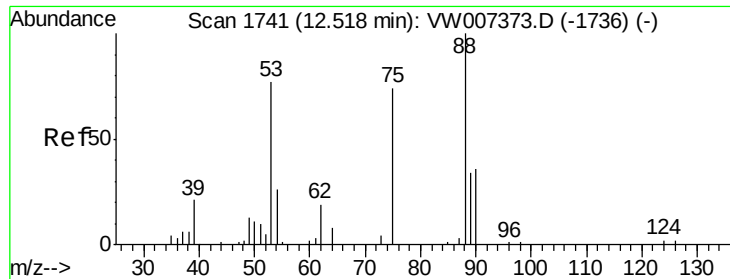
120 47.5 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

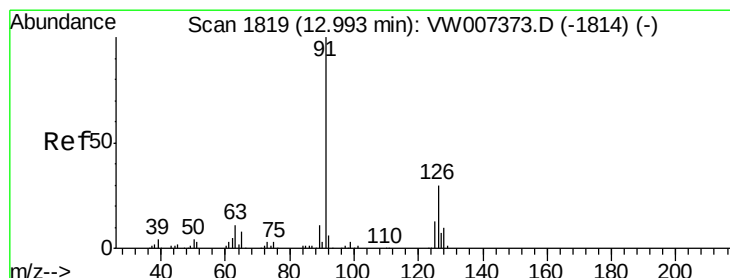
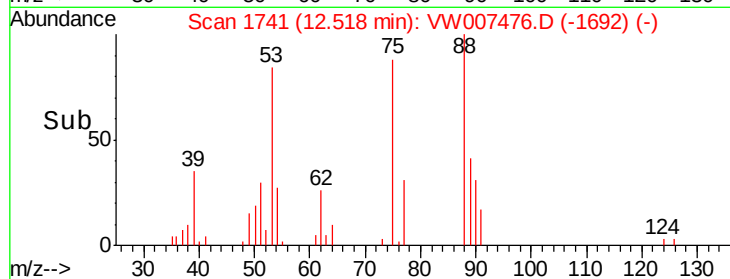
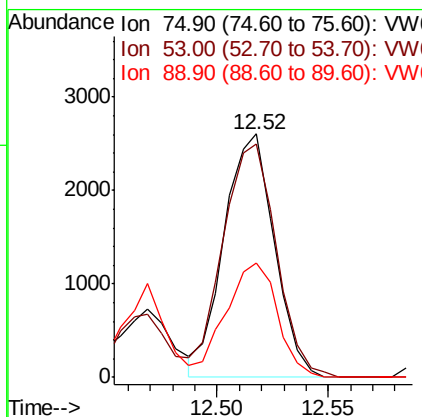
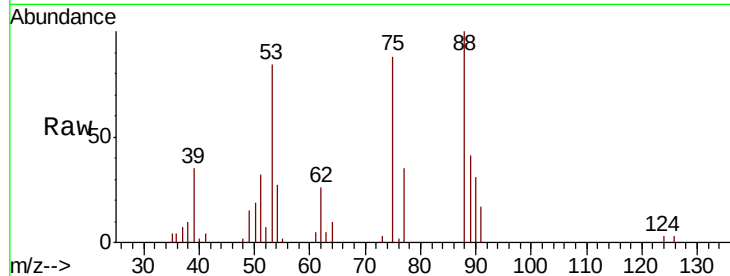




#81
trans-1,4-Dichloro-2-butene
Concen: 18.106 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

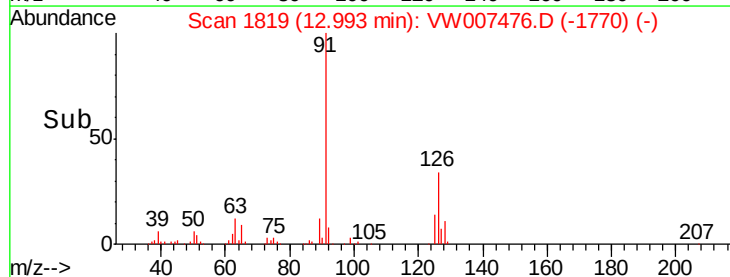
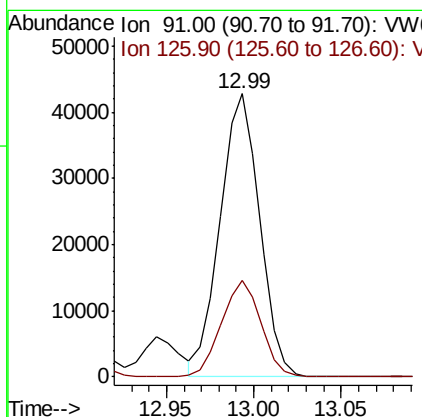
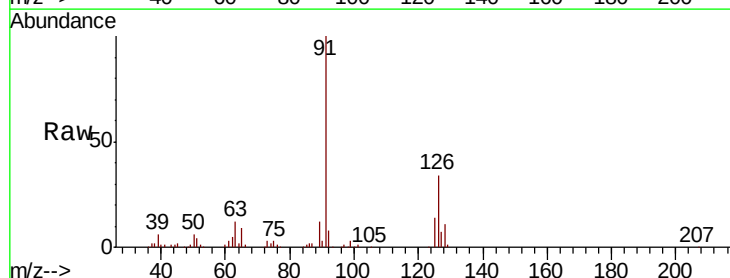
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

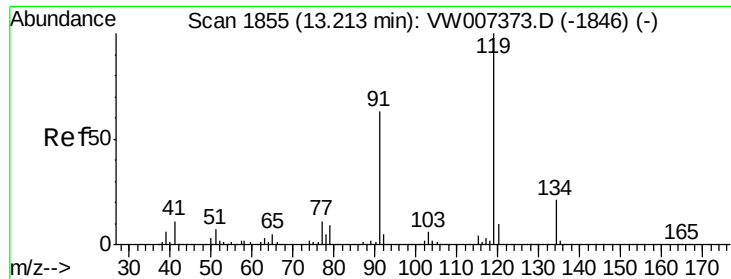
Tot Ion: 75 Resp: 4101
Ion Ratio Lower Upper
75 100
53 101.4 84.9 127.3
89 48.5 40.3 60.5



#82
4-Chlorotoluene
Concen: 20.177 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion: 91 Resp: 67342
Ion Ratio Lower Upper
91 100
126 33.9 16.0 48.0

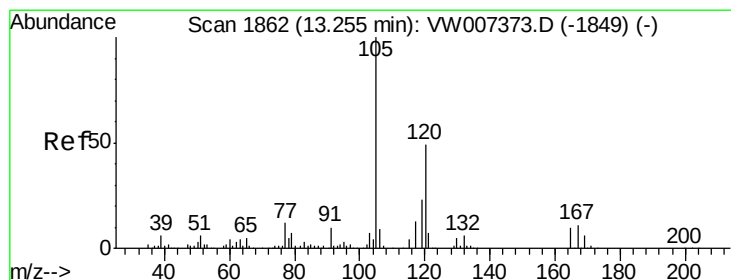
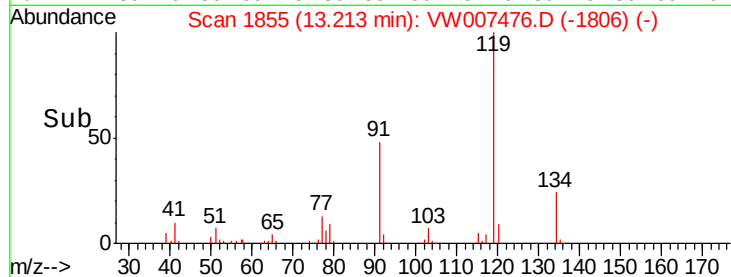
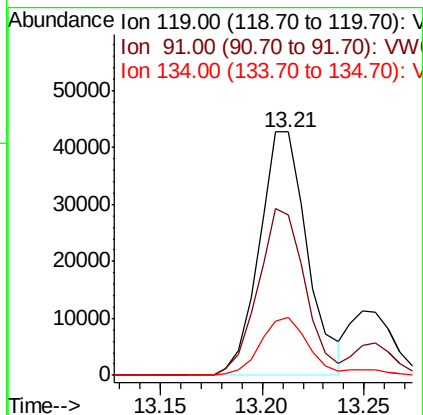
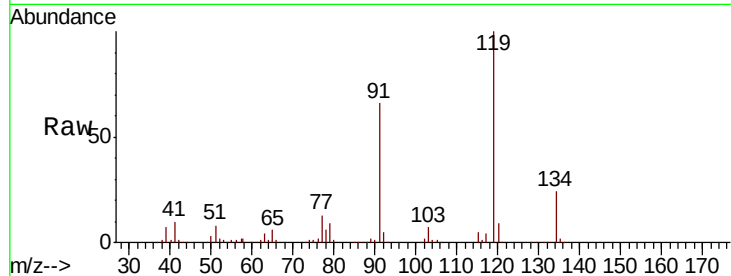




#83
tert-Butylbenzene
Concen: 20.340 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

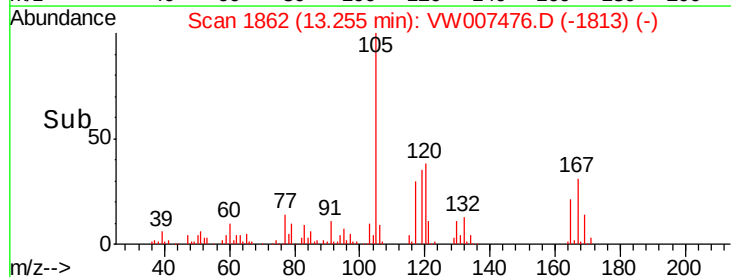
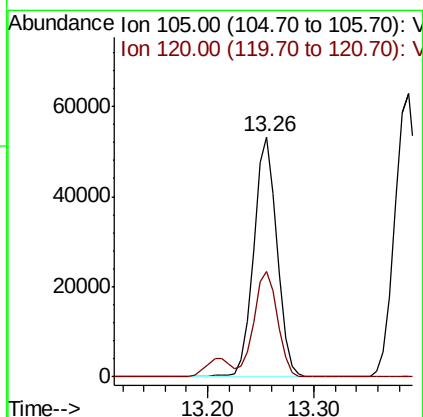
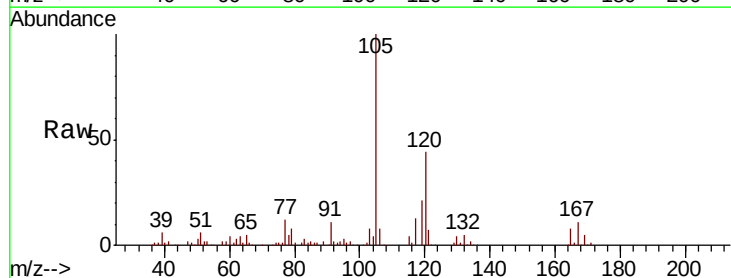
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBSD01

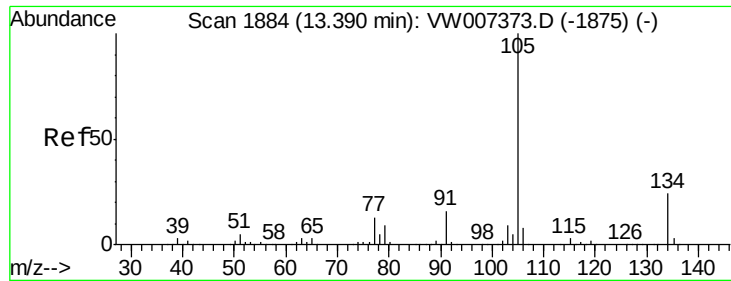
Tot Ion:119 Resp: 70019
Ion Ratio Lower Upper
119 100
91 67.2 33.1 99.2
134 25.1 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 20.272 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion:105 Resp: 81501
Ion Ratio Lower Upper
105 100
120 44.8 22.6 67.7





#85

sec-Butylbenzene

Concen: 20.604 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

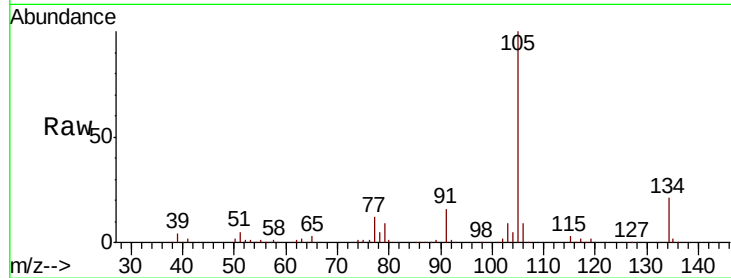
VW1216SBS01

Tot Ion:105 Resp: 96826

Ion Ratio Lower Upper

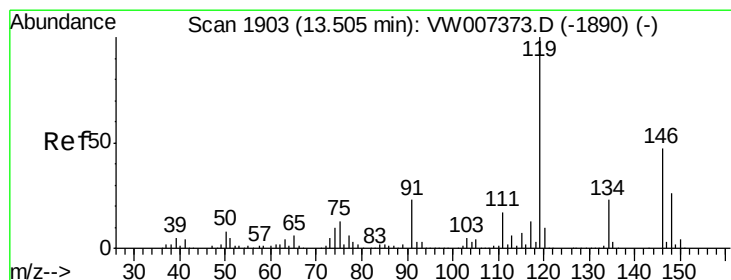
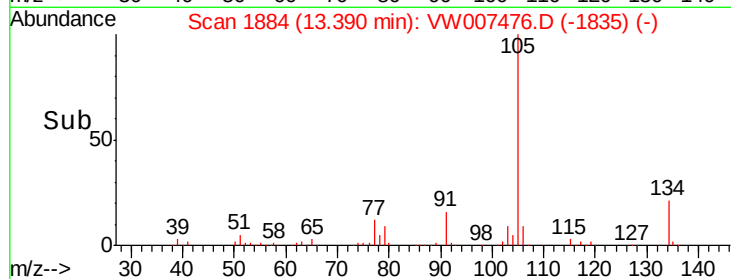
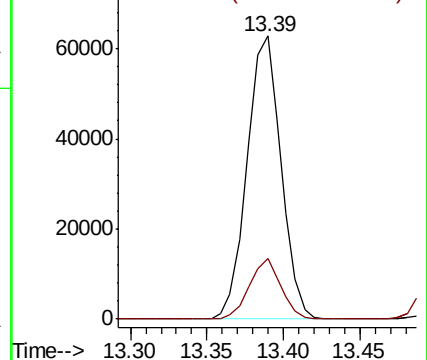
105 100

134 19.8 11.1 33.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.487 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

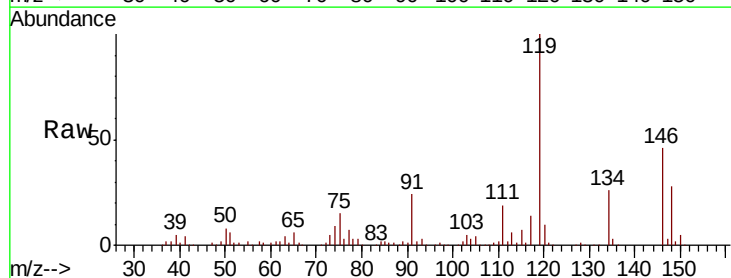
Tgt Ion:119 Resp: 86492

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

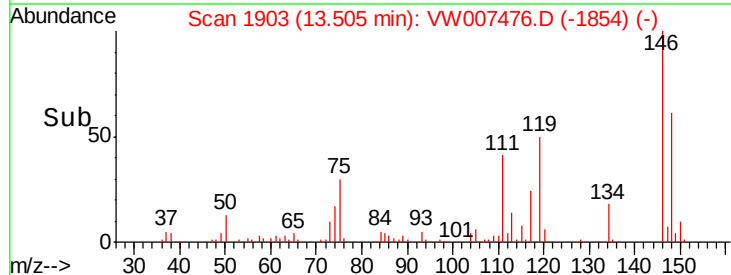
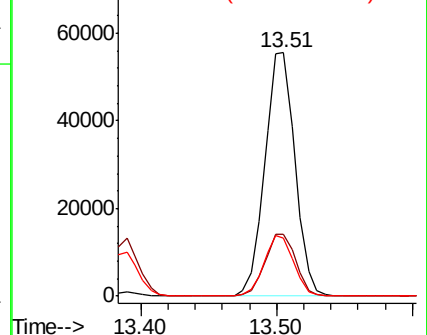
91 24.4 11.9 35.9

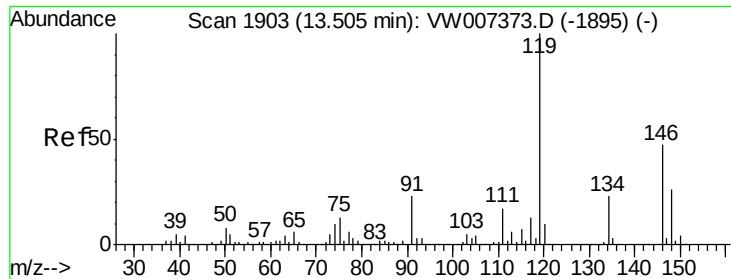


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

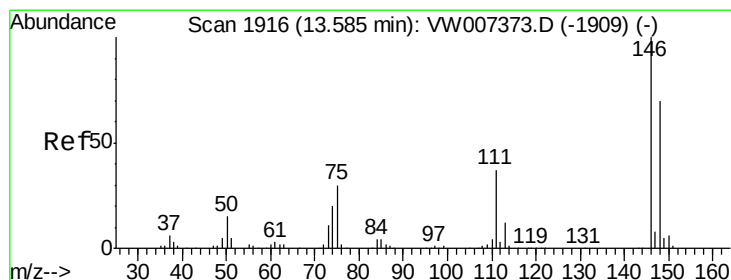
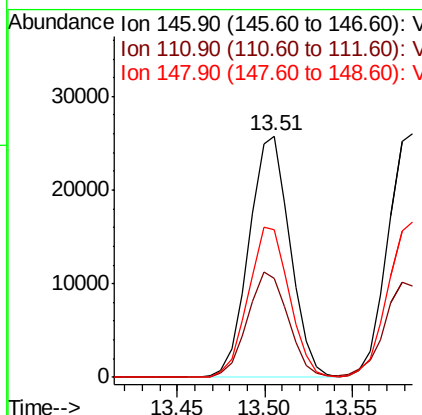
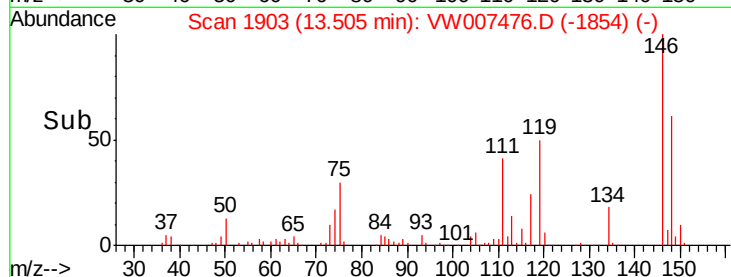
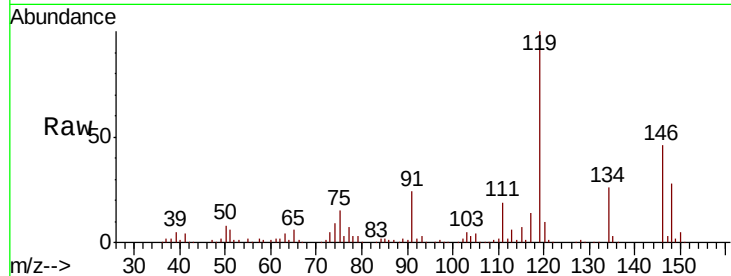




#87
 1,3-Dichlorobenzene
 Concen: 20.442 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

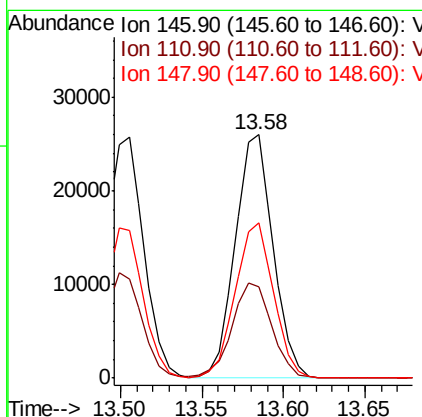
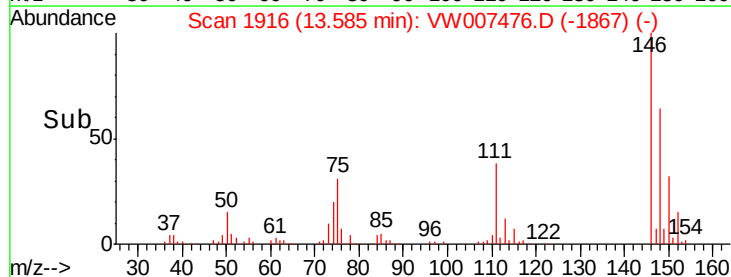
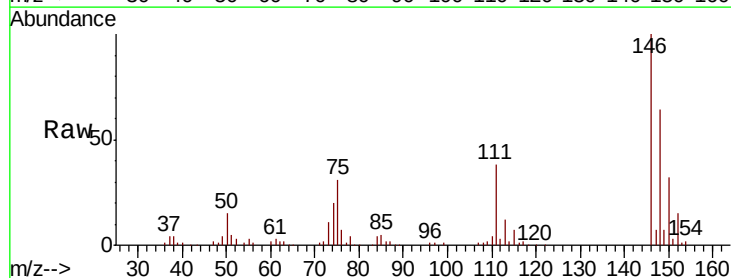
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

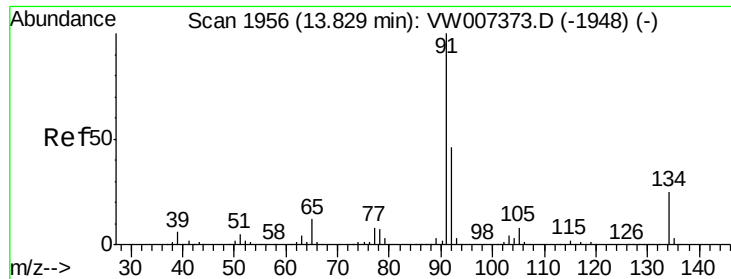
Tot Ion:146 Resp: 42005
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.1 60.3
 148 62.4 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 20.345 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion:146 Resp: 42030
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.3 61.0
 148 64.6 33.5 100.5





#89

n-Butylbenzene

Concen: 20.143 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007476.D

Acq: 13 Dec 2018 09:59

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

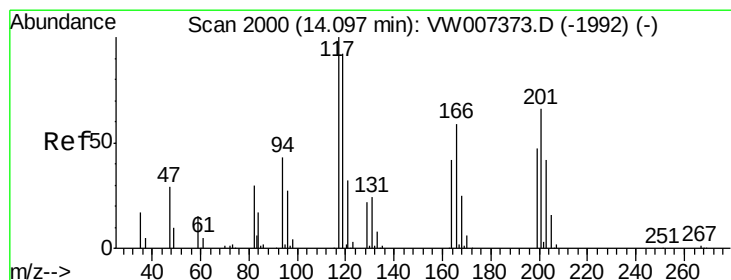
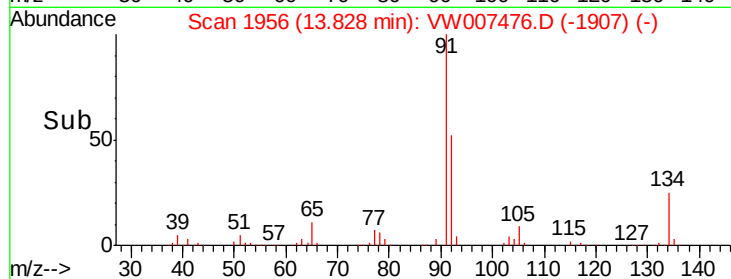
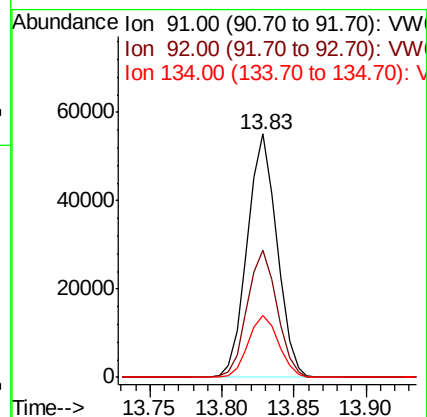
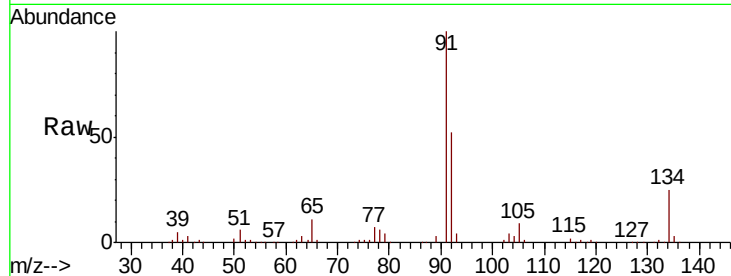
Tot Ion: 91 Resp: 78836

Ion Ratio Lower Upper

91 100

92 52.3 25.7 77.1

134 25.6 13.4 40.2



#90

Hexachloroethane

Concen: 20.127 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007476.D

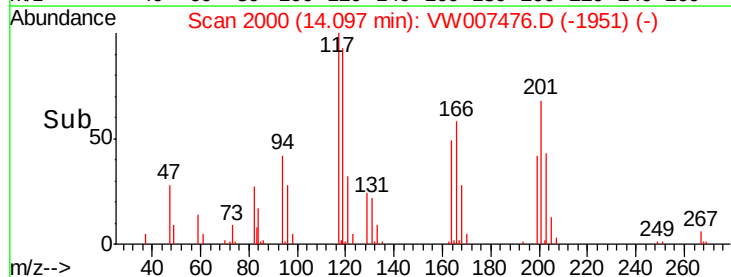
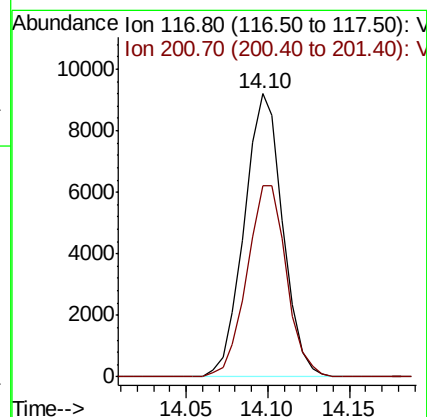
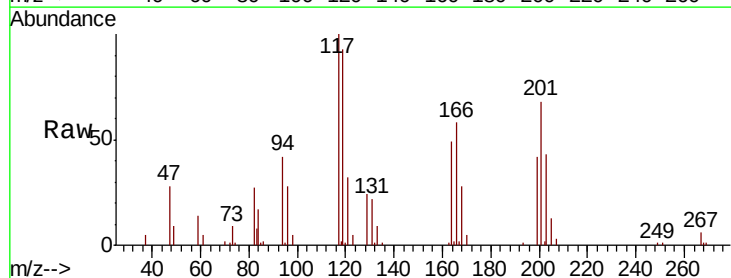
Acq: 13 Dec 2018 09:59

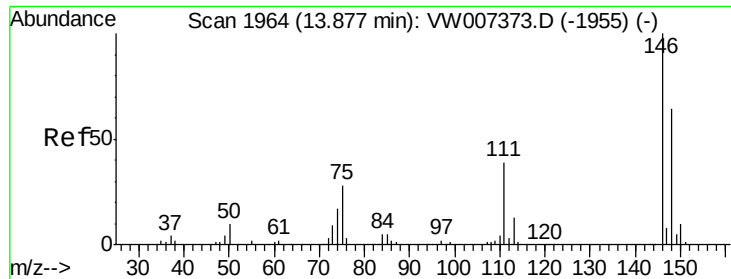
Tgt Ion: 117 Resp: 15119

Ion Ratio Lower Upper

117 100

201 69.5 35.3 105.9

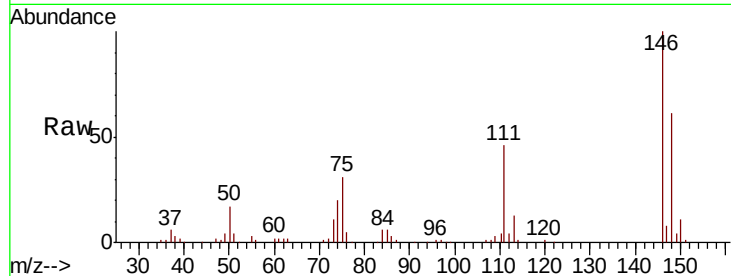




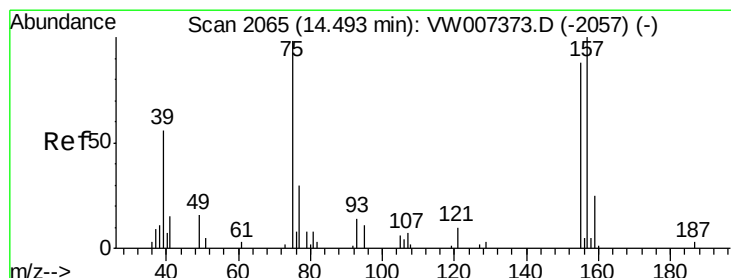
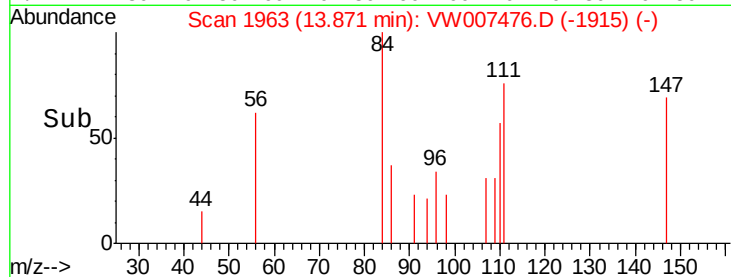
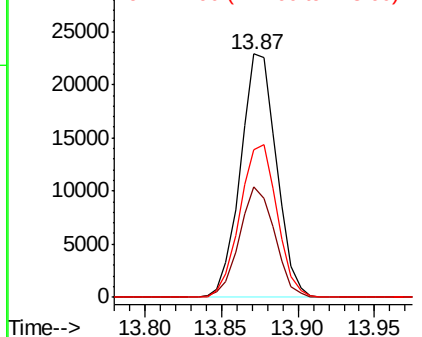
#91
 1,2-Dichlorobenzene
 Concen: 20.316 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBSD01

Tot Ion:146 Resp: 37392
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.4 67.2
 148 64.7 32.4 97.2

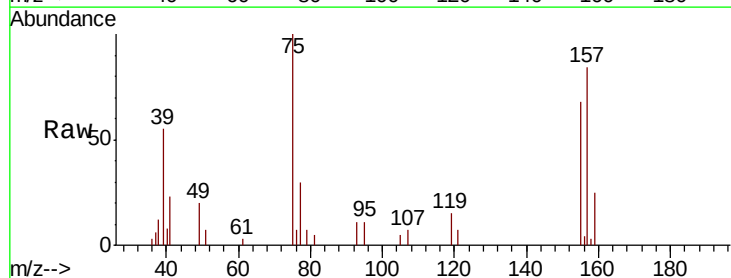


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

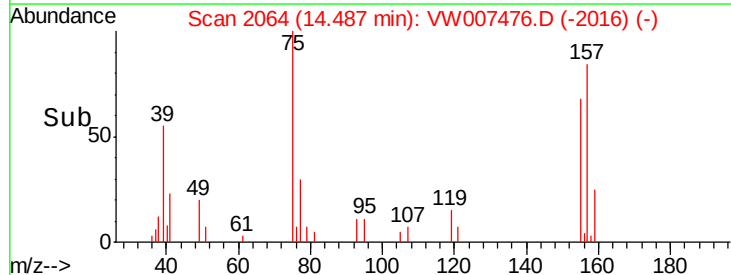
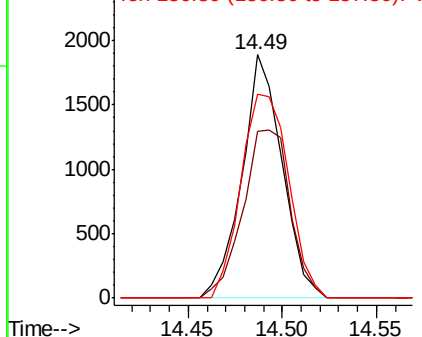


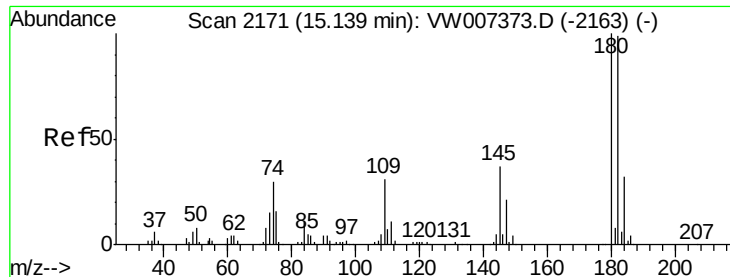
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.239 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion: 75 Resp: 2797
 Ion Ratio Lower Upper
 75 100
 155 81.3 40.8 122.2
 157 99.2 51.1 153.4



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

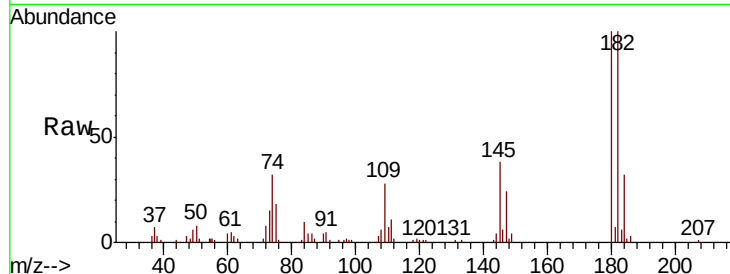




#93
 1,2,4-Trichlorobenzene
 Concen: 20.055 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	49.9	149.6
145	34.5	17.8	53.4

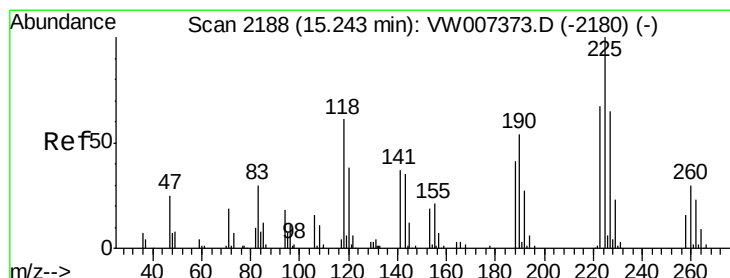
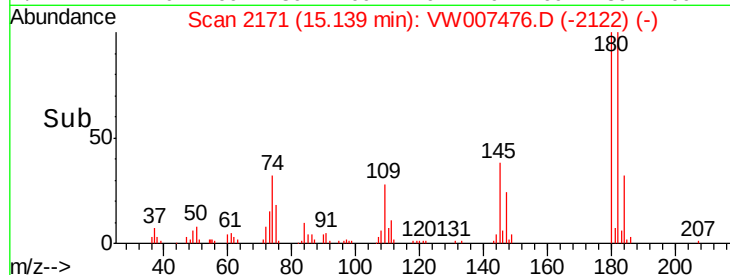
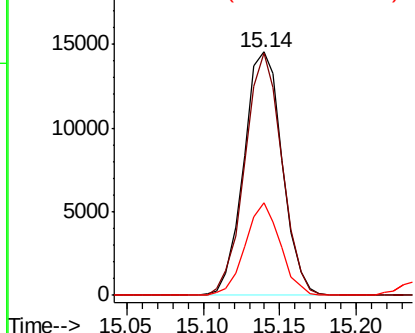


Abundance

Ion 179.80 (179.50 to 180.50): V

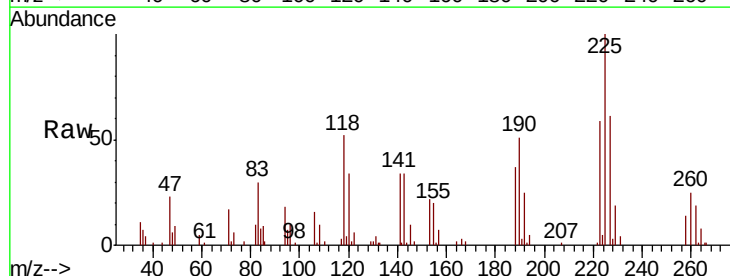
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.564 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW007476.D
 Acq: 13 Dec 2018 09:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.1	96.3
227	62.2	31.9	95.9

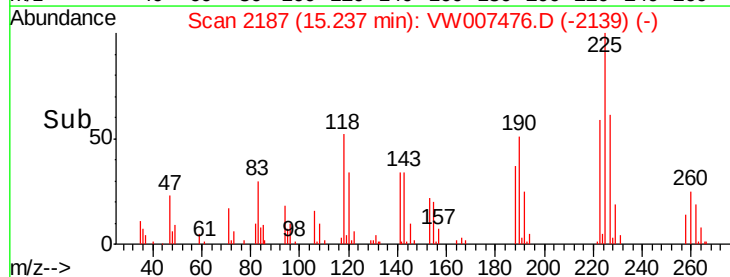
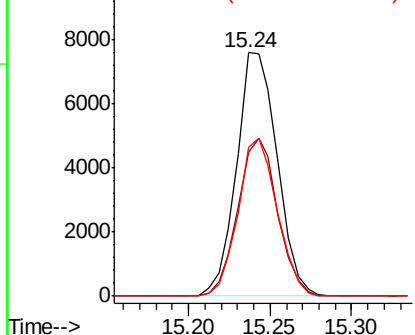


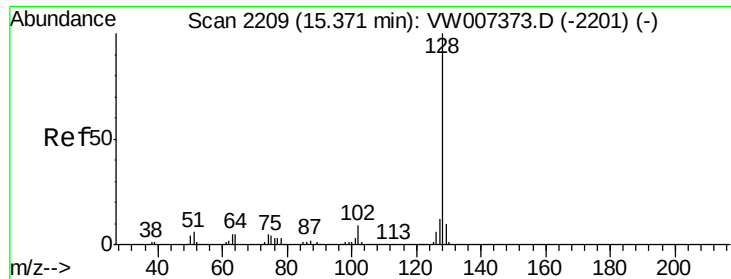
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

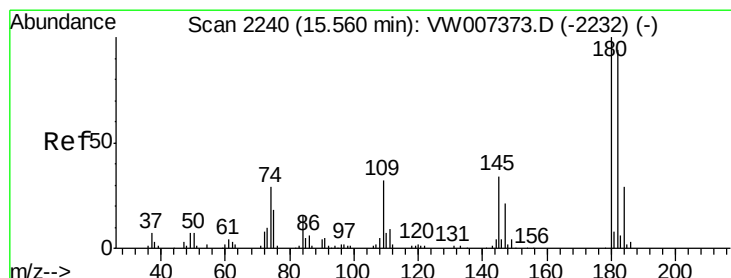
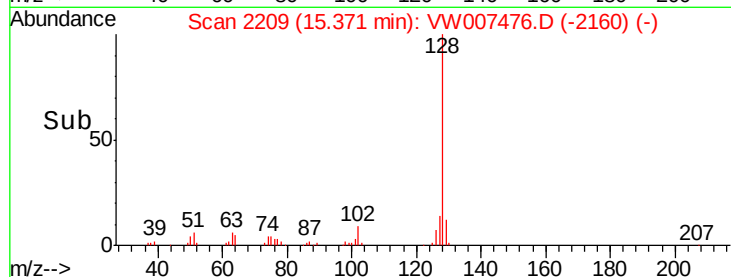
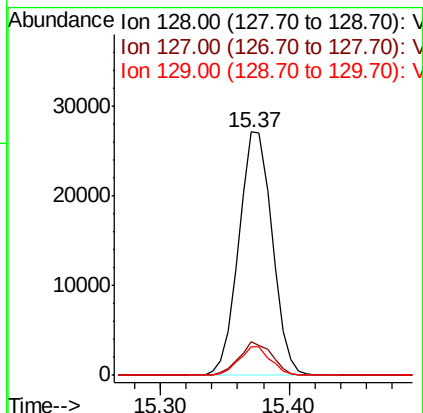
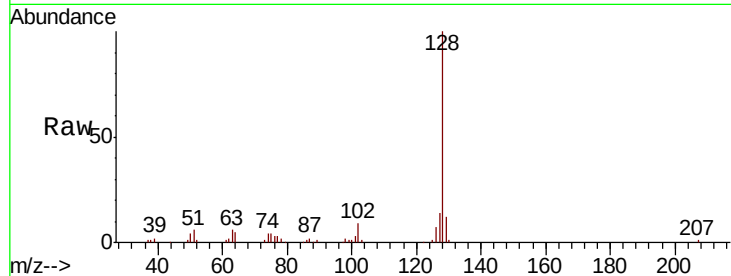




#95
Naphthalene
Concen: 20.061 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBSD01

Tot Ion:128 Resp: 48609
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 11.2 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.093 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW007476.D
Acq: 13 Dec 2018 09:59

Tgt Ion:180 Resp: 22108
Ion Ratio Lower Upper
180 100
182 94.5 45.6 136.7
145 36.4 17.5 52.5

