

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121718\
 Data File : VW007525.D
 Acq On : 14 Dec 2018 10:49
 Operator : SY/AP
 Sample : VW1213SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

Quant Time: Dec 14 11:49:43 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	69705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	113171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	105751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52746	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	38725	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	7.88	113	35528	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.32	98	133845	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.62	95	52367	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10299	21.143	ug/l	92
3) Chloromethane	2.21	50	8636	21.169	ug/l	92
4) Vinyl Chloride	2.37	62	10419	21.763	ug/l	89
5) Bromomethane	2.78	94	6937	21.566	ug/l	87
6) Chloroethane	2.93	64	5747	21.808	ug/l	99
7) Trichlorofluoromethane	3.25	101	8727	20.276	ug/l	92
8) Diethyl Ether	3.68	74	7343	21.797	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14611	20.573	ug/l	94
10) Methyl Iodide	4.26	142	25578	21.746	ug/l	99
11) Tert butyl alcohol	5.18	59	5709	107.492	ug/l	97
12) 1,1-Dichloroethene	4.03	96	14752	21.574	ug/l	94
13) Acrolein	3.89	56	3027	86.134	ug/l	96
14) Allyl chloride	4.66	41	21256	21.089	ug/l	96
15) Acrylonitrile	5.37	53	15543	109.448	ug/l	99
16) Acetone	4.12	43	13557	100.366	ug/l	91
17) Carbon Disulfide	4.37	76	43892	21.170	ug/l	100
18) Methyl Acetate	4.67	43	9736	26.557	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	23337	22.624	ug/l	98
20) Methylene Chloride	4.91	84	17649	21.673	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	16142	21.103	ug/l	97
22) Diisopropyl ether	6.31	45	40744	21.031	ug/l	95
23) Vinyl Acetate	6.25	43	110214	101.708	ug/l	95
24) 1,1-Dichloroethane	6.21	63	27517	21.015	ug/l	98
25) 2-Butanone	7.17	43	18681	105.936	ug/l	94
26) 2,2-Dichloropropane	7.17	77	16345	18.862	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	17759	21.203	ug/l	100
28) Bromochloromethane	7.51	49	9974	20.251	ug/l	99
29) Tetrahydrofuran	7.52	42	12104	108.423	ug/l	95
30) Chloroform	7.68	83	30197	21.192	ug/l	96
31) Cyclohexane	7.95	56	24222	20.162	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	27182	21.753	ug/l	99
36) 1,1-Dichloropropene	8.08	75	22870	22.153	ug/l	98
37) Ethyl Acetate	7.25	43	8798	22.913	ug/l	98
38) Carbon Tetrachloride	8.07	117	25522	22.720	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	27816	22.251	ug/l	89
40) Benzene	8.32	78	63809	22.271	ug/l	99
41) Methacrylonitrile	7.49	41	5072	23.196	ug/l	98
42) 1,2-Dichloroethane	8.40	62	20375	22.639	ug/l	98
43) Isopropyl Acetate	8.43	43	17049	22.478	ug/l	100
44) Trichloroethene	9.09	130	18533	22.653	ug/l	98
45) 1,2-Dichloropropane	9.37	63	15006	22.633	ug/l	100
46) Dibromomethane	9.46	93	8821	23.428	ug/l	98
47) Bromodichloromethane	9.65	83	21886	22.161	ug/l #	92
48) Methyl methacrylate	9.44	41	8724	22.396	ug/l	96
49) 1,4-Dioxane	9.44	88	2812	460.293	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	40954	114.275	ug/l	99
52) Toluene	10.39	92	40870	22.043	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	21570	22.497	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	23634	21.323	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	12283	23.970	ug/l	94
56) Ethyl methacrylate	10.65	69	15017	24.381	ug/l	98
57) 1,3-Dichloropropane	10.93	76	20195	24.011	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	29845	105.076	ug/l	98
59) 2-Hexanone	10.97	43	28261	118.262	ug/l	99
60) Dibromochloromethane	11.13	129	15687	24.257	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12169	24.030	ug/l	98
64) Tetrachloroethene	10.86	164	17147	22.547	ug/l	94
65) Chlorobenzene	11.66	112	48154	21.847	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.73	131	17107	22.036	ug/l	100
67) Ethyl Benzene	11.73	91	83446	22.020	ug/l	93
68) m/p-Xylenes	11.84	106	65423	44.408	ug/l	99
69) o-Xylene	12.16	106	30708	22.318	ug/l	98
70) Styrene	12.18	104	50735	22.829	ug/l	98
71) Bromoform	12.35	173	9120	22.952	ug/l #	97
73) Isopropylbenzene	12.47	105	86798	21.476	ug/l	99
74) N-amyl acetate	12.27	43	15695	21.368	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	14192	23.708	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	19184	44.111	ug/l	30
77) Bromobenzene	12.75	156	19785	22.085	ug/l	96
78) n-propylbenzene	12.80	91	100664	22.132	ug/l	99
79) 2-Chlorotoluene	12.90	91	59174	21.501	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	74709	21.999	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3866	19.636	ug/l	94
82) 4-Chlorotoluene	12.99	91	61354	21.149	ug/l	97
83) tert-Butylbenzene	13.21	119	65820	21.996	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	75463	21.594	ug/l	99
85) sec-Butylbenzene	13.39	105	90414	22.134	ug/l	95
86) p-Isopropyltoluene	13.50	119	80673	21.983	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	39337	22.023	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39413	21.949	ug/l	96
89) n-Butylbenzene	13.83	91	72455	21.298	ug/l	99
90) Hexachloroethane	14.10	117	13764	21.080	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	34694	21.686	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2716	22.609	ug/l	96

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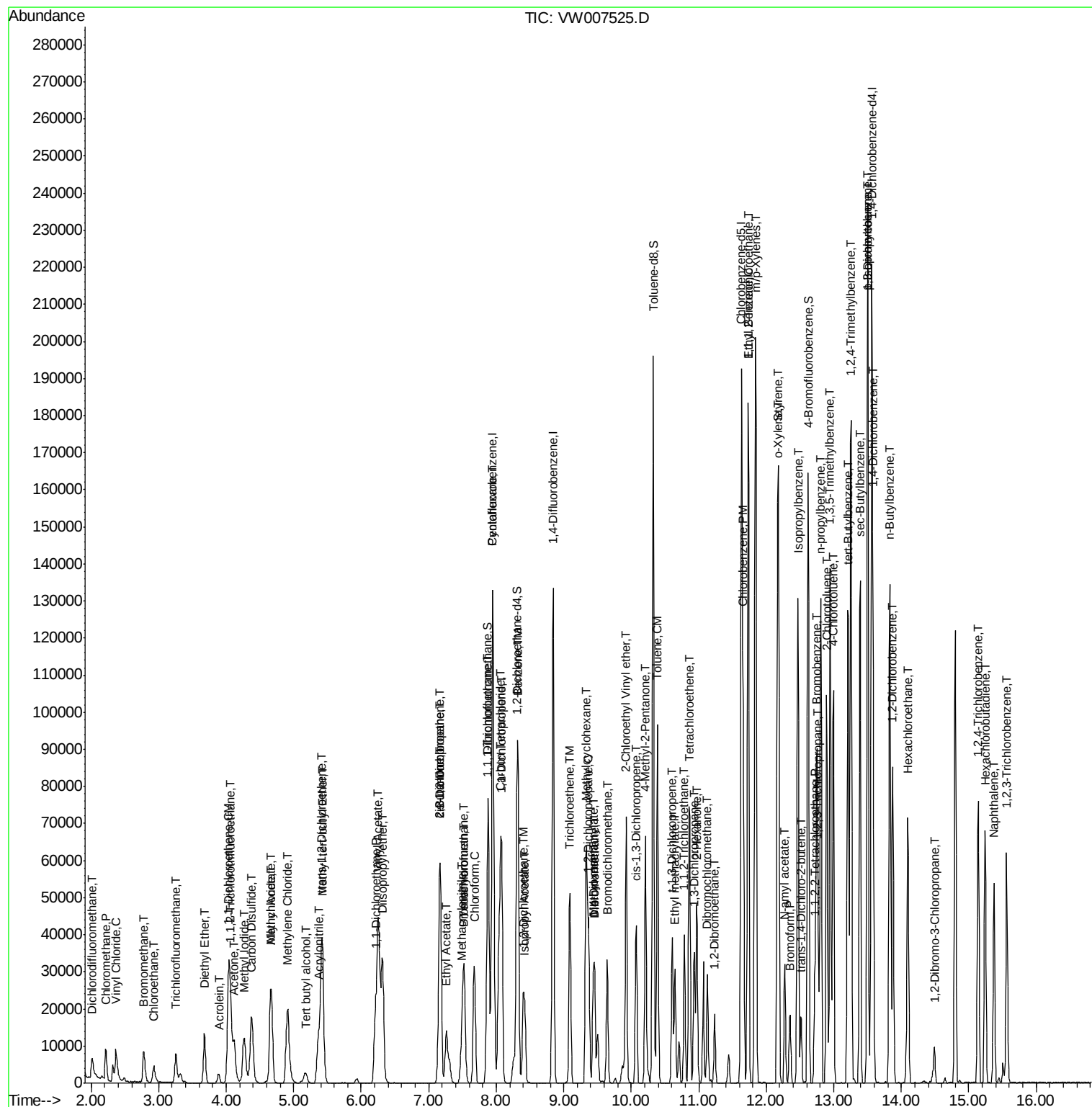
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23184	21.058	ug/l	96
94) Hexachlorobutadiene	15.24	225	12391	21.212	ug/l	98
95) Naphthalene	15.37	128	47171	22.396	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	20530	21.466	ug/l	96

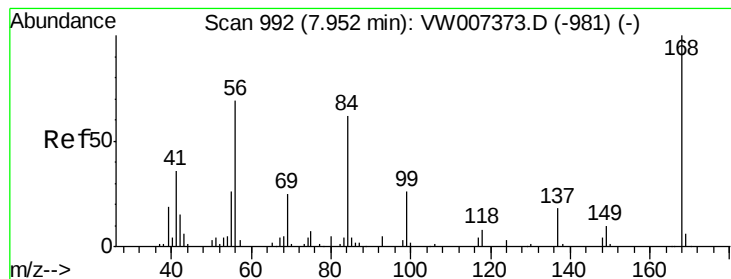
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

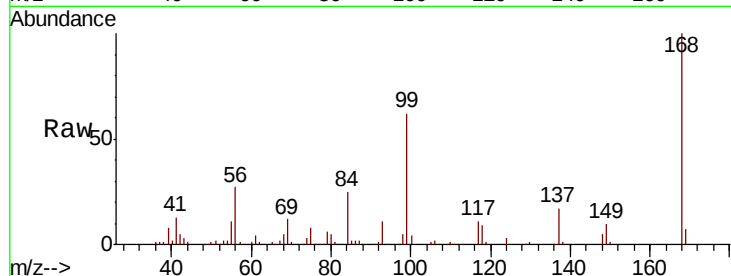
VW1217SBSD01

Tot Ion:168 Resp: 69705

Ion Ratio Lower Upper

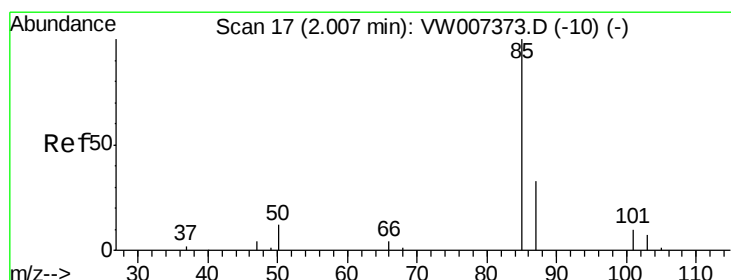
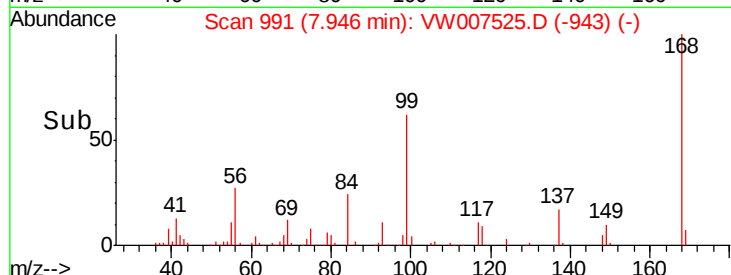
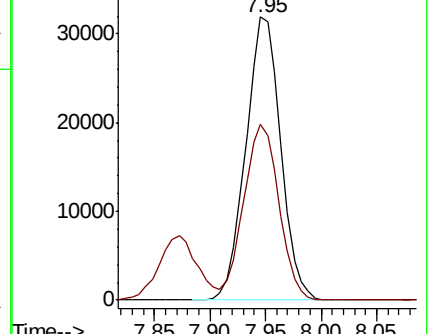
168 100

99 62.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.143 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007525.D

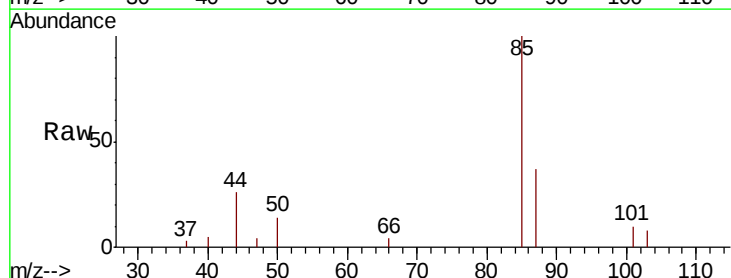
Acq: 14 Dec 2018 10:49

Tgt Ion: 85 Resp: 10299

Ion Ratio Lower Upper

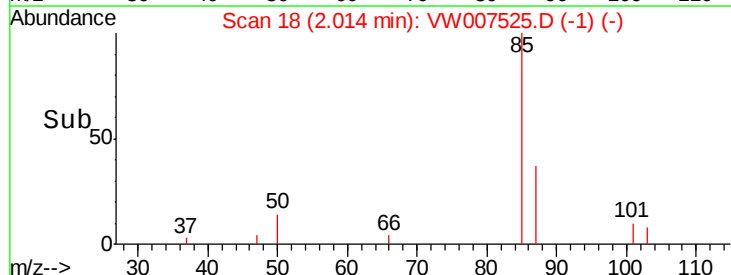
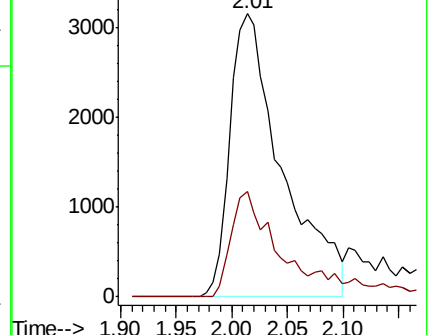
85 100

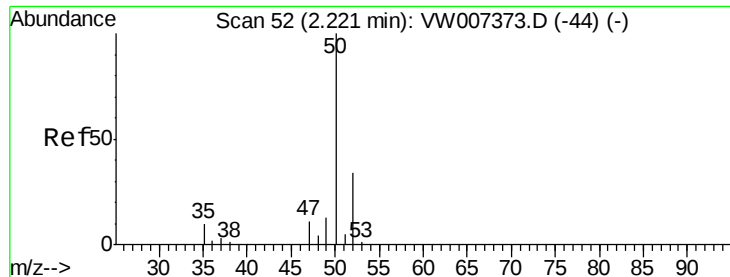
87 37.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.169 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

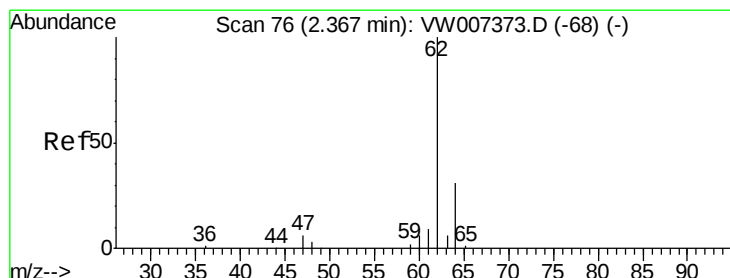
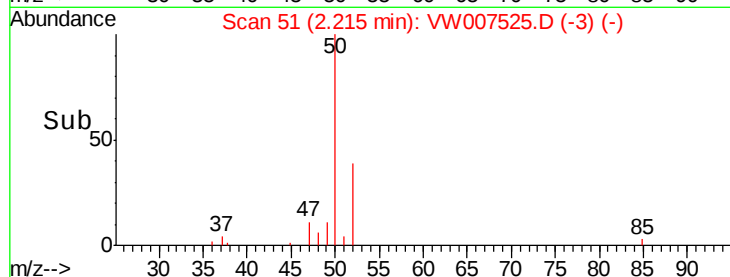
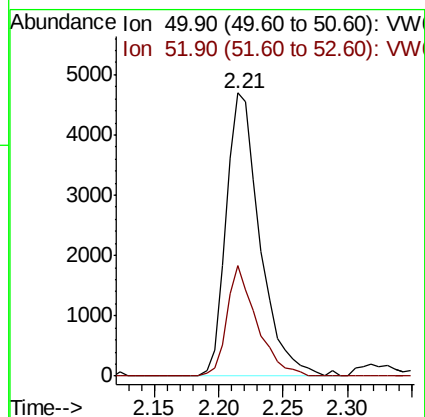
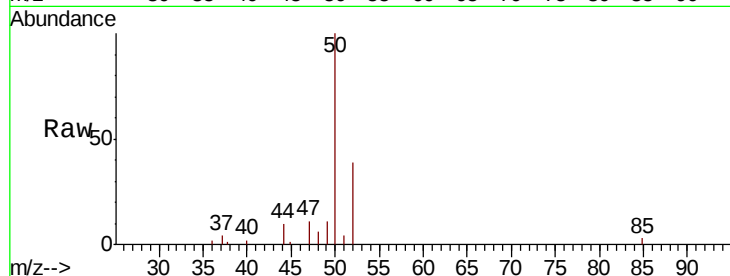
VW1217SBSD01

Tot Ion: 50 Resp: 8636

Ion Ratio Lower Upper

50 100

52 38.9 27.4 41.0



#4

Vinyl Chloride

Concen: 21.763 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007525.D

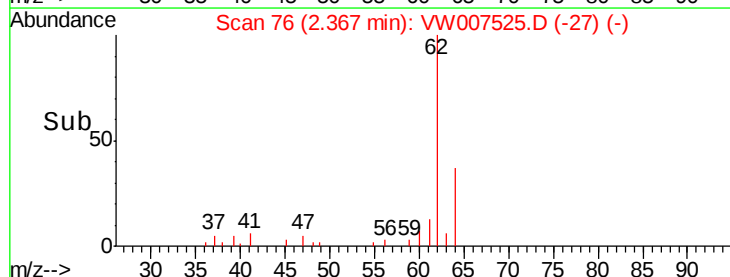
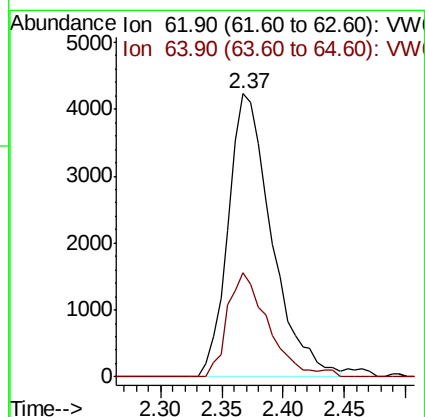
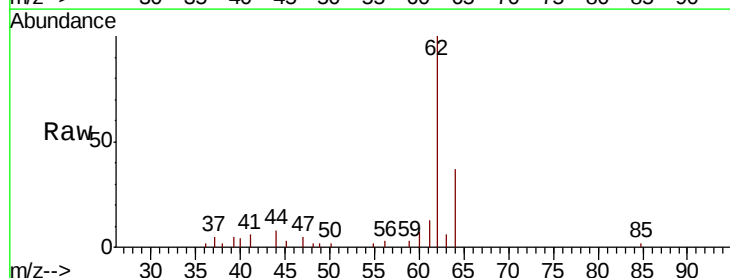
Acq: 14 Dec 2018 10:49

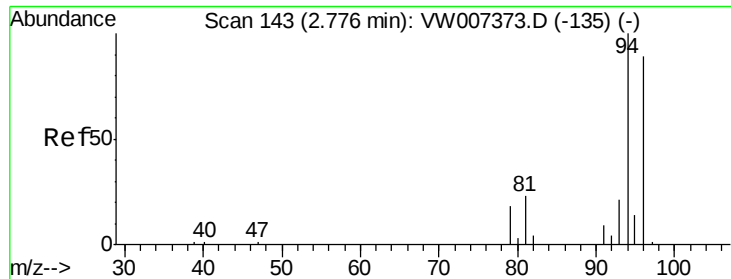
Tgt Ion: 62 Resp: 10419

Ion Ratio Lower Upper

62 100

64 36.7 24.6 37.0





#5

Bromomethane

Concen: 21.566 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

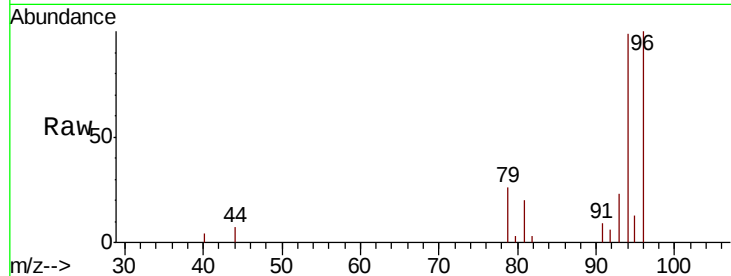
VW1217SBSD01

Tot Ion: 94 Resp: 6937

Ion Ratio Lower Upper

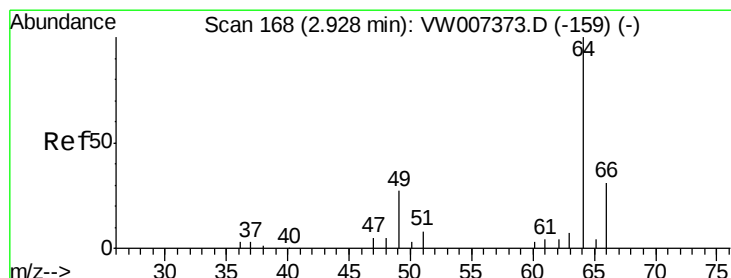
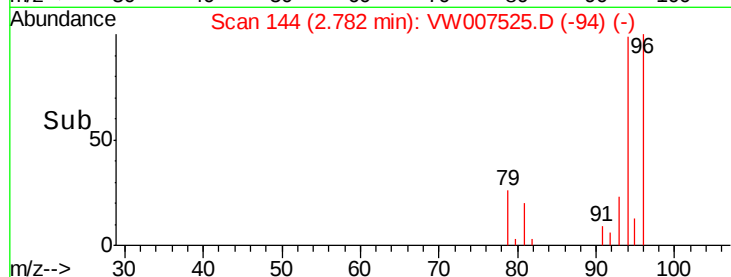
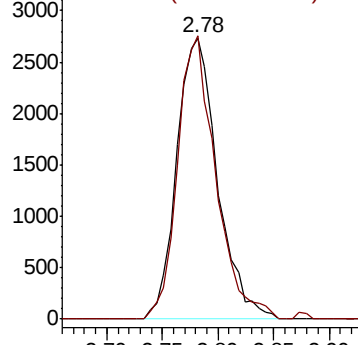
94 100

96 100.7 71.0 106.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.808 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007525.D

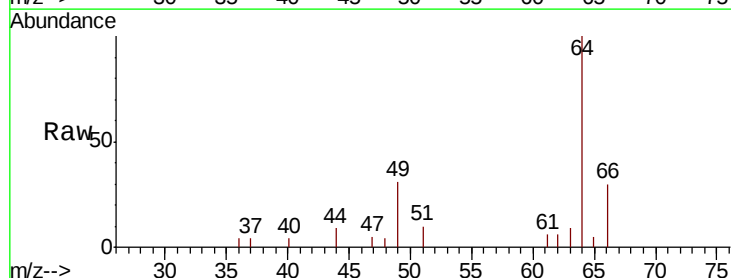
Acq: 14 Dec 2018 10:49

Tgt Ion: 64 Resp: 5747

Ion Ratio Lower Upper

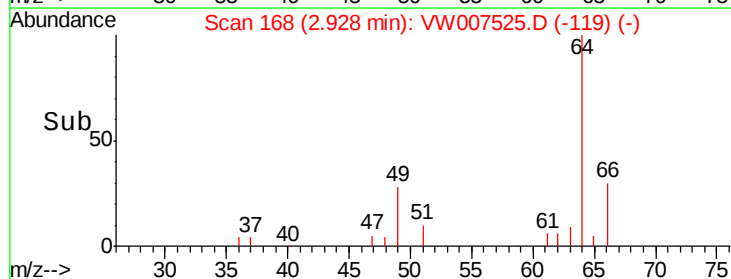
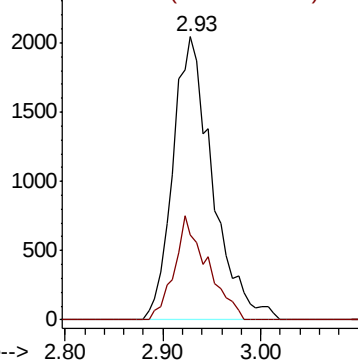
64 100

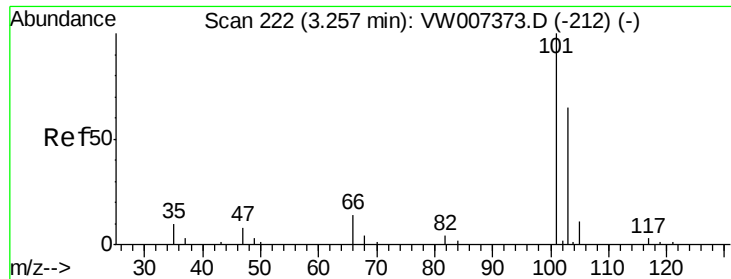
66 30.2 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



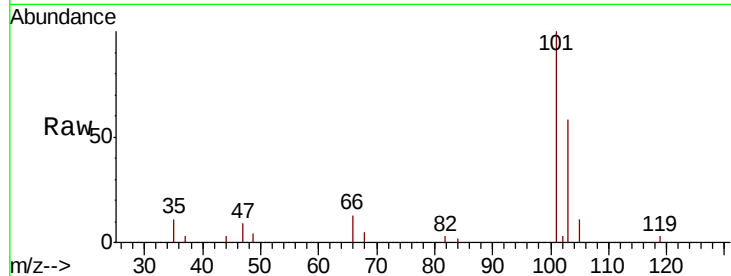


#7

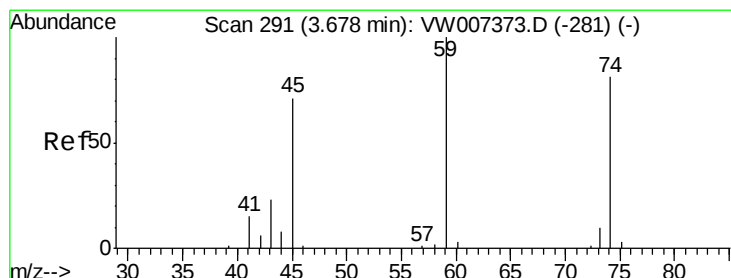
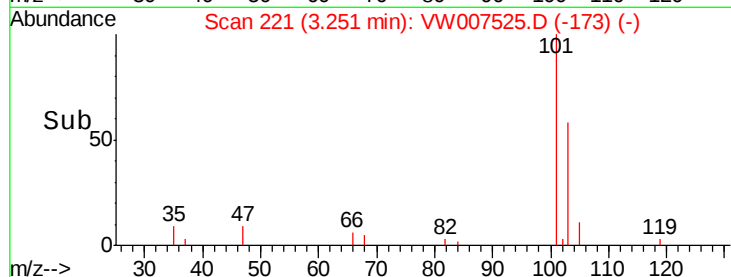
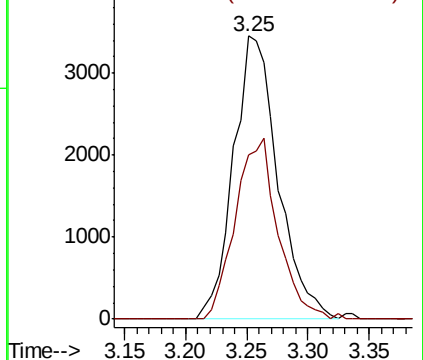
Trichlorofluoromethane
Concen: 20.276 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

Tot Ion:101 Resp: 8727
Ion Ratio Lower Upper
101 100
103 58.2 51.7 77.5



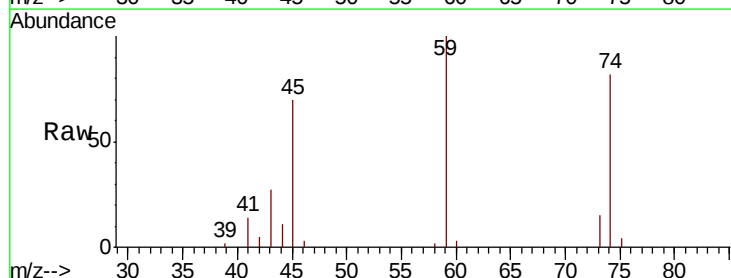
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



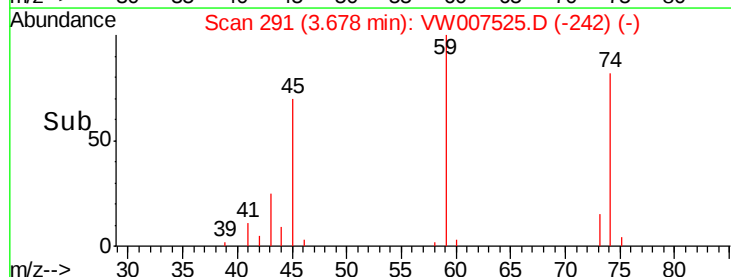
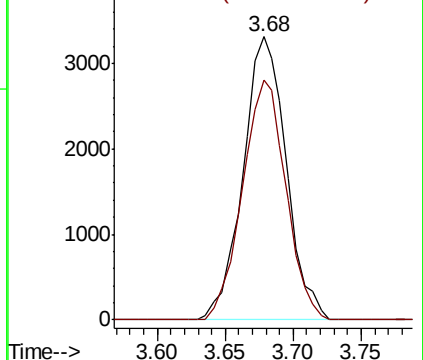
#8

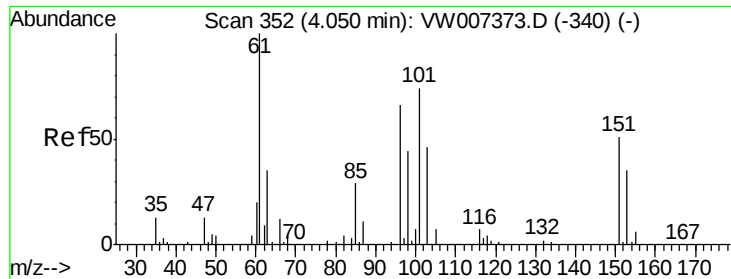
Diethyl Ether
Concen: 21.797 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 74 Resp: 7343
Ion Ratio Lower Upper
74 100
45 85.2 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.573 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.02 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

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VW1217SBSD01

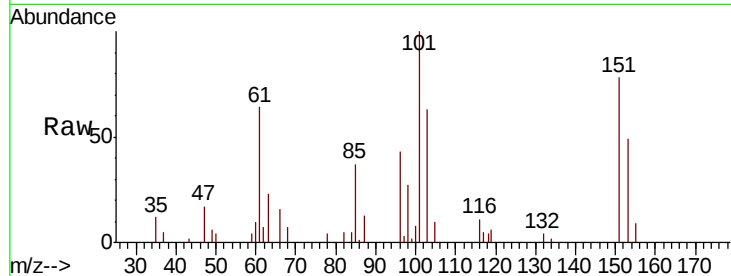
Tot Ion:101 Resp: 14611

Ion Ratio Lower Upper

101 100

85 44.0 33.9 50.9

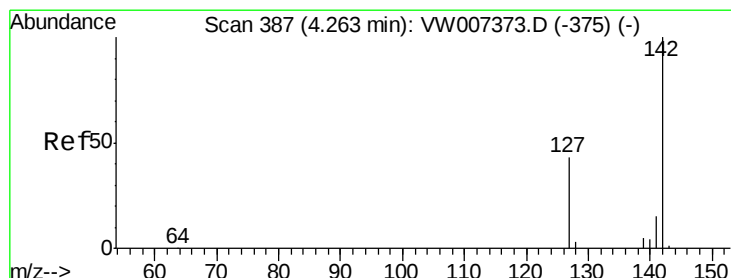
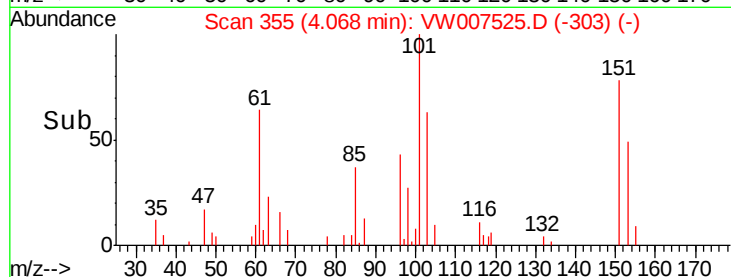
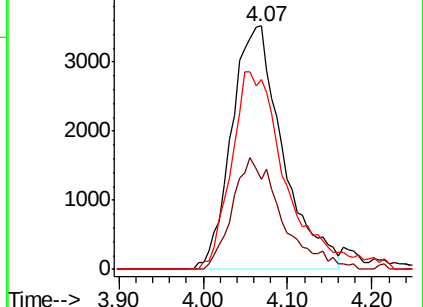
151 87.1 63.7 95.5



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: 21.746 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

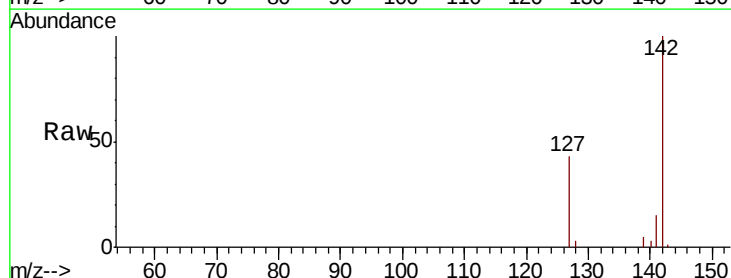
Tgt Ion:142 Resp: 25578

Ion Ratio Lower Upper

142 100

127 44.9 35.8 53.6

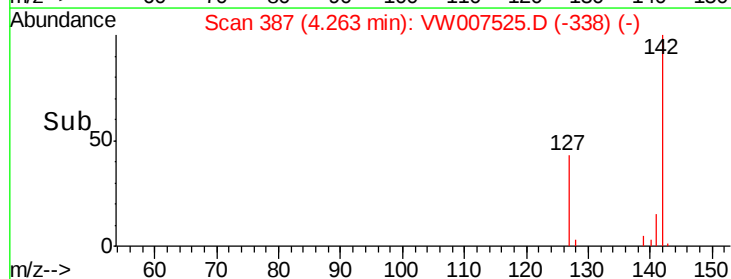
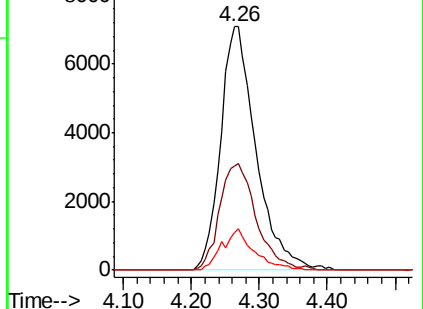
141 15.3 11.1 16.7

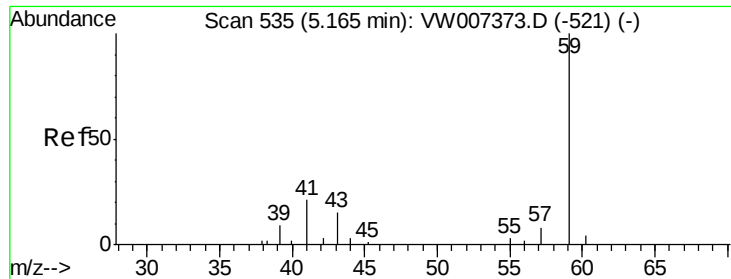


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

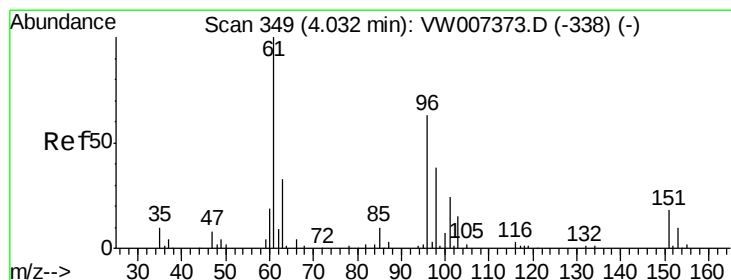
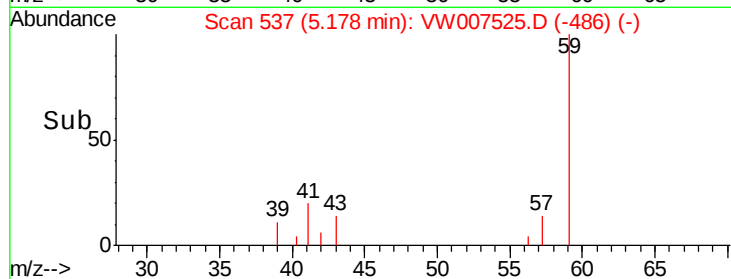
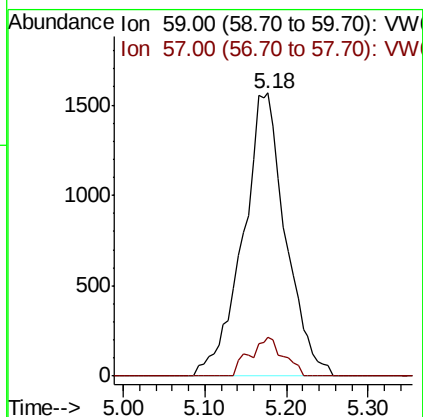
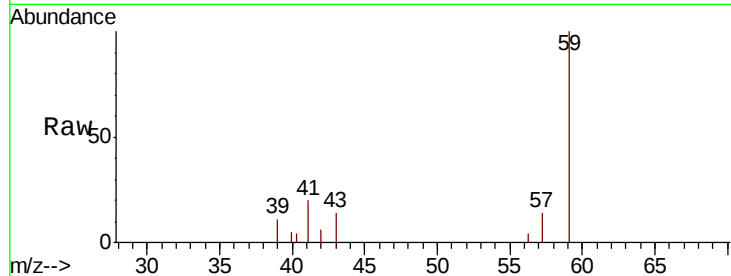




#11
Tert butyl alcohol
Concen: 107.492 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

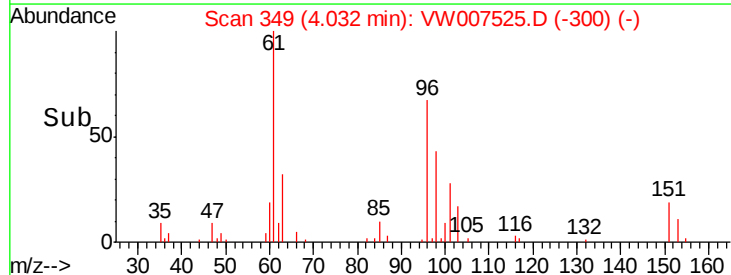
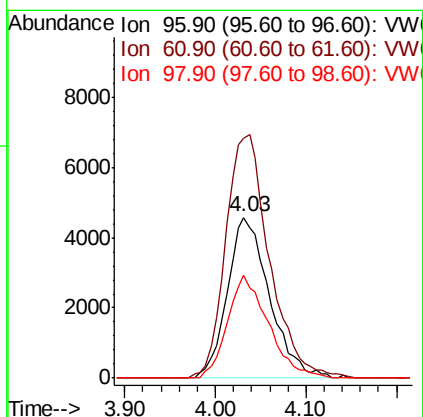
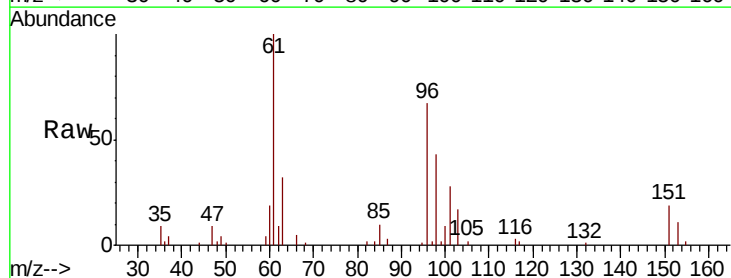
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

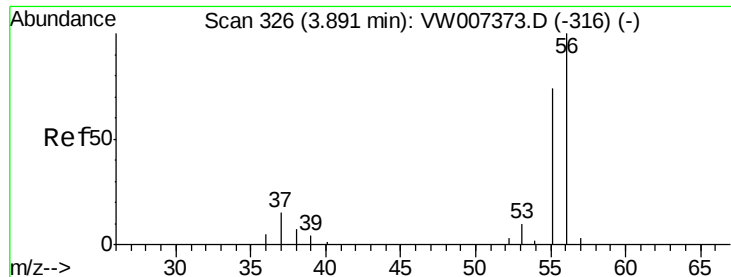
Tot Ion: 59 Resp: 5709
Ion Ratio Lower Upper
59 100
57 10.7 7.6 11.4



#12
1,1-Dichloroethene
Concen: 21.574 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 96 Resp: 14752
Ion Ratio Lower Upper
96 100
61 149.1 126.2 189.2
98 63.9 48.3 72.5





#13

Acrolein

Concen: 86.134 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

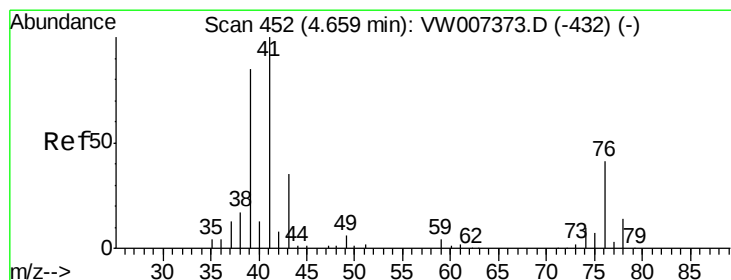
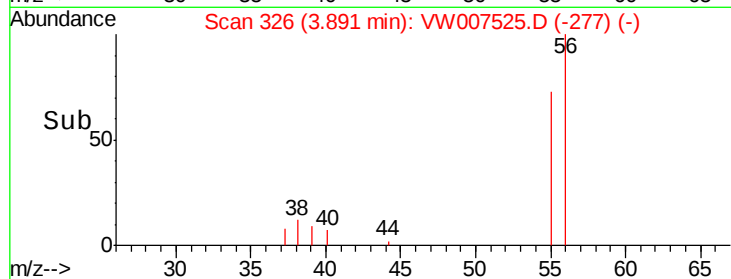
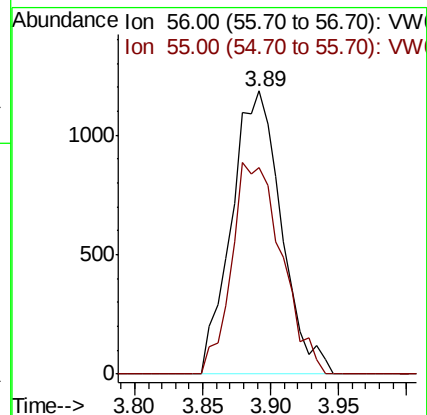
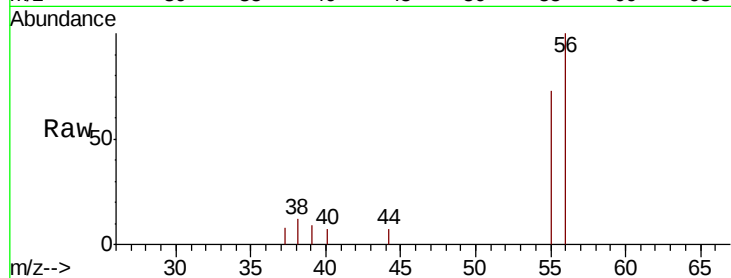
VW1217SBSD01

Tot Ion: 56 Resp: 3027

Ion Ratio Lower Upper

56 100

55 75.0 57.4 86.2



#14

Allyl chloride

Concen: 21.089 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

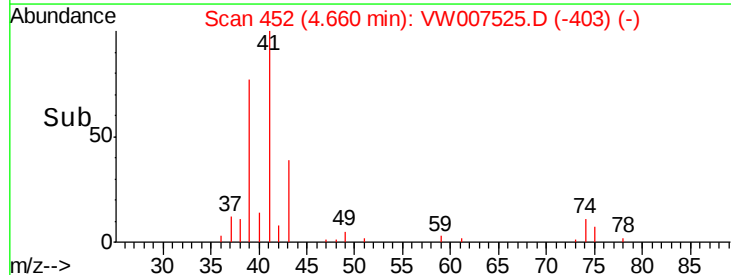
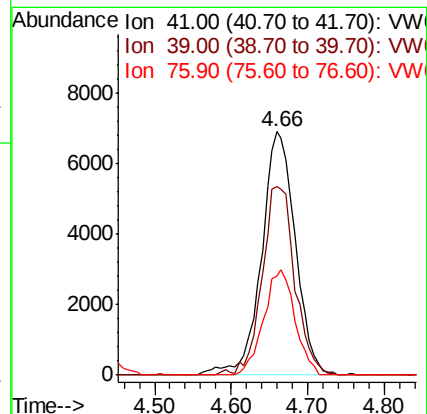
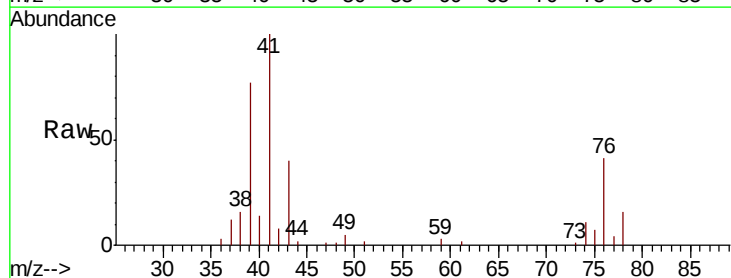
Tgt Ion: 41 Resp: 21256

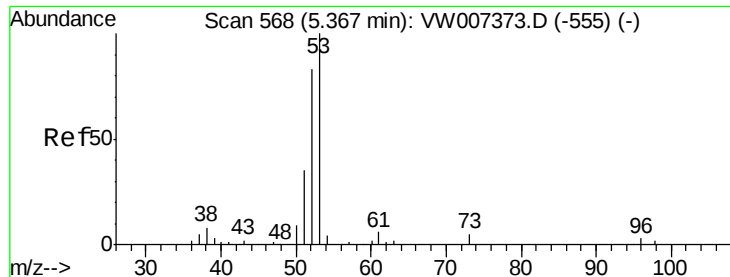
Ion Ratio Lower Upper

41 100

39 74.6 63.4 95.2

76 40.0 32.1 48.1





#15

Acrylonitrile

Concen: 109.448 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD01

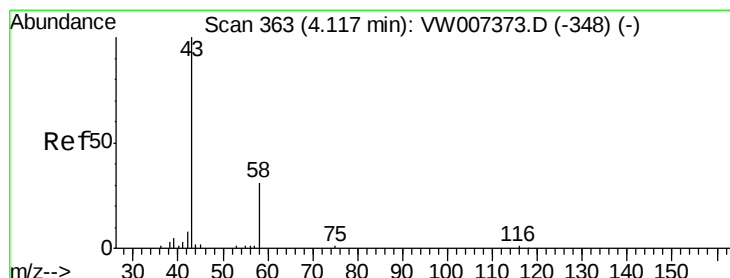
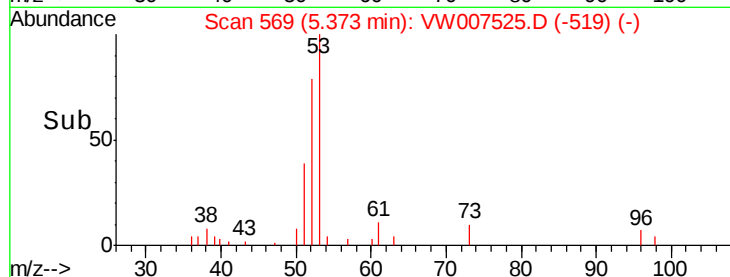
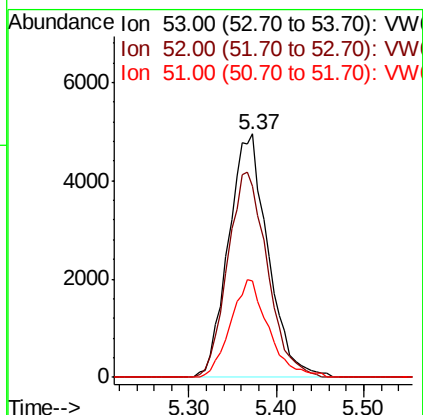
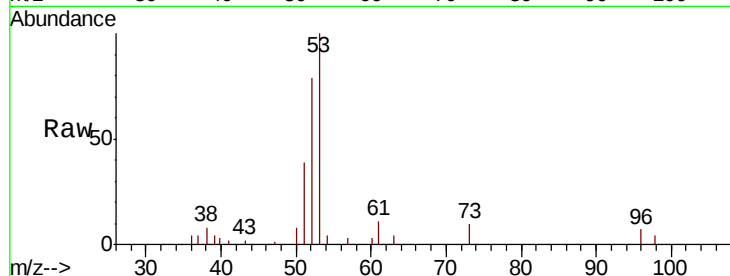
Tot Ion: 53 Resp: 15543

Ion Ratio Lower Upper

53 100

52 84.4 67.4 101.2

51 38.8 30.2 45.2



#16

Acetone

Concen: 100.366 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007525.D

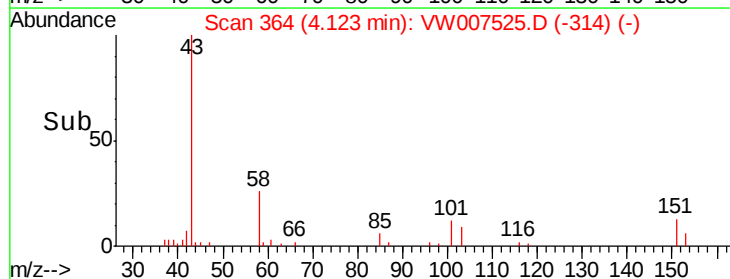
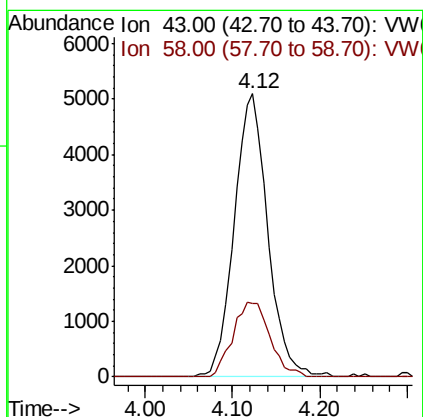
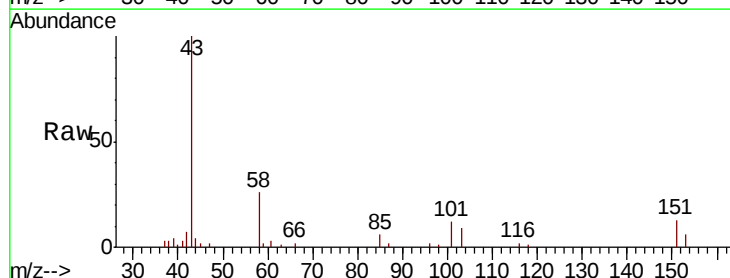
Acq: 14 Dec 2018 10:49

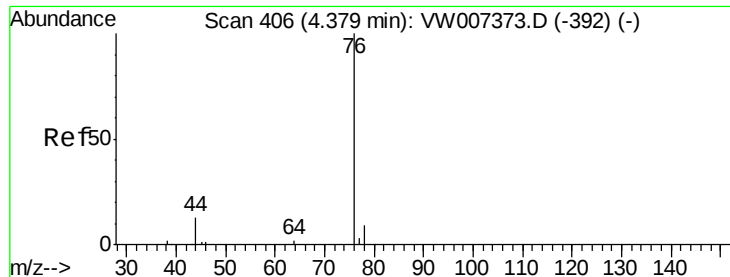
Tgt Ion: 43 Resp: 13557

Ion Ratio Lower Upper

43 100

58 25.9 24.9 37.3

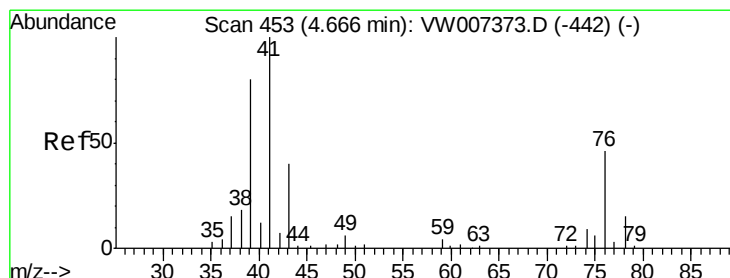
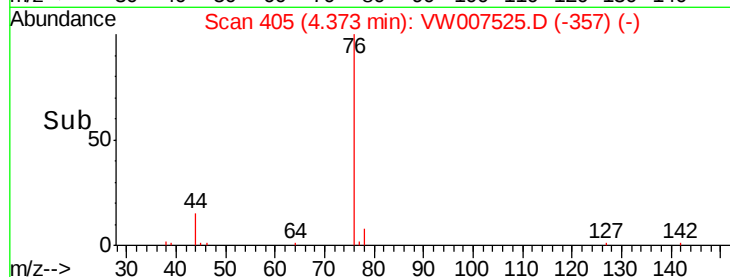
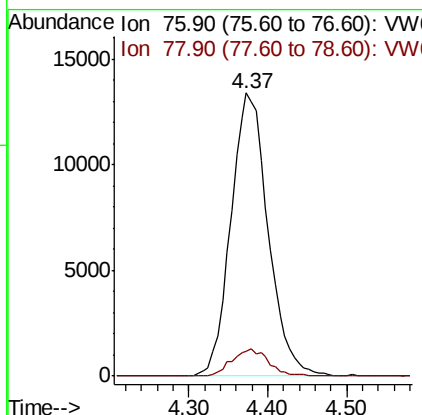
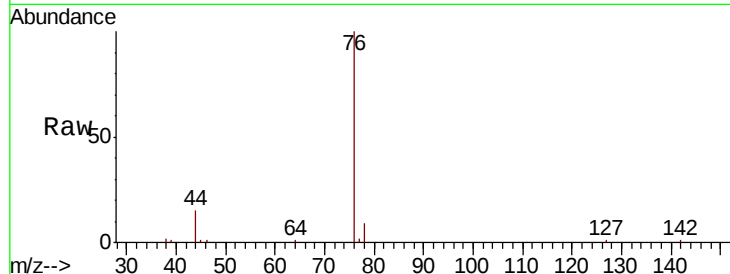




#17
Carbon Disulfide
Concen: 21.170 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

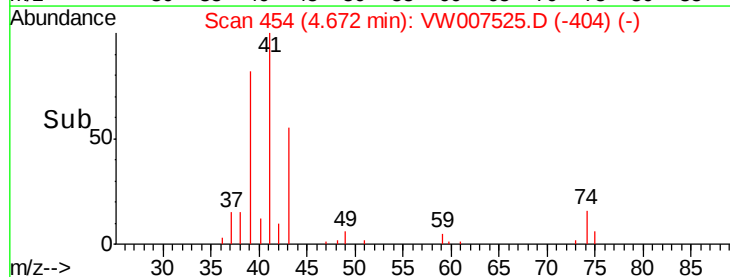
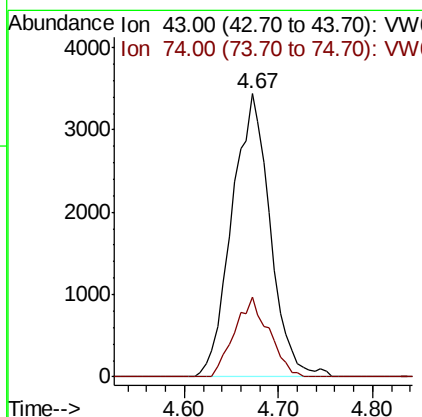
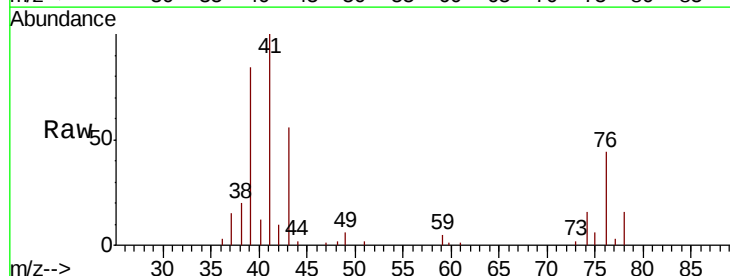
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

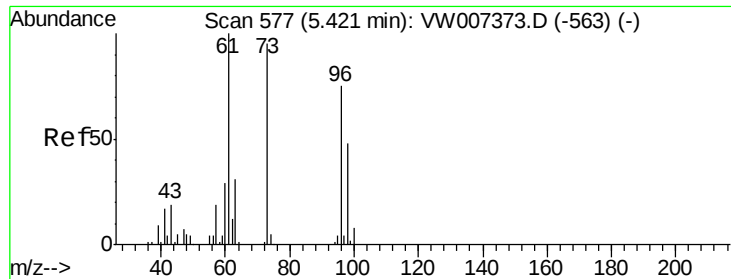
Tot Ion: 76 Resp: 43892
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 26.557 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 43 Resp: 9736
Ion Ratio Lower Upper
43 100
74 25.4 21.1 31.7

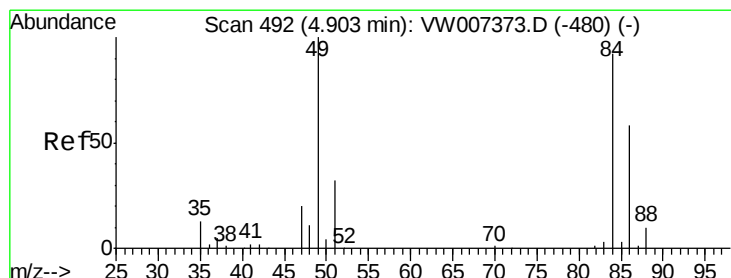
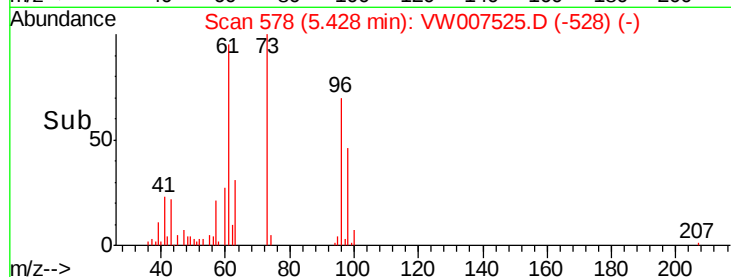
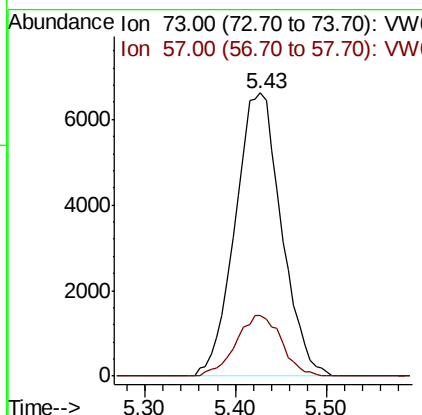
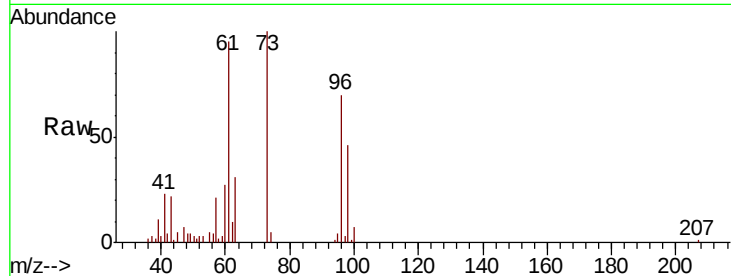




#19
Methvl tert-butvl Ether
Concen: 22.624 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

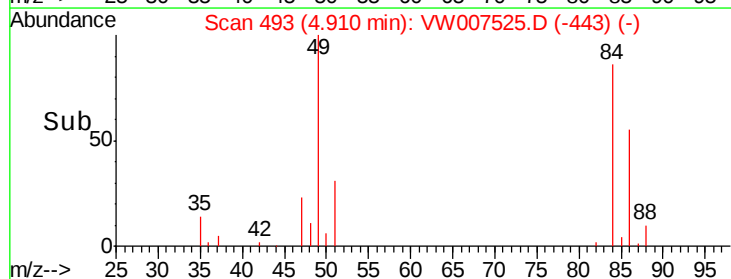
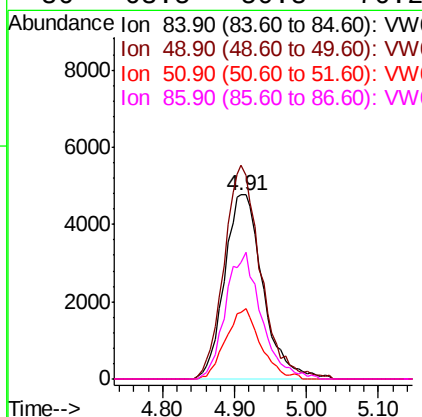
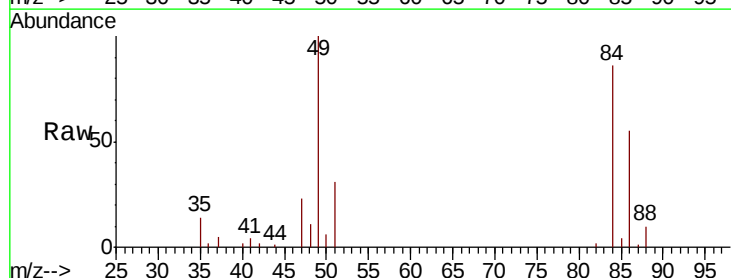
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

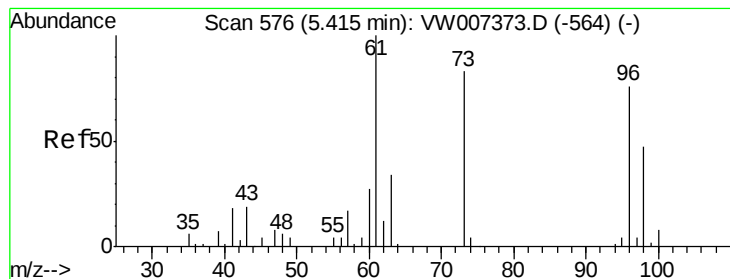
Tot Ion: 73 Resp: 23337
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6



#20
Methylene Chloride
Concen: 21.673 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 84 Resp: 17649
Ion Ratio Lower Upper
84 100
49 115.9 87.1 130.7
51 36.0 28.2 42.2
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.103 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD01

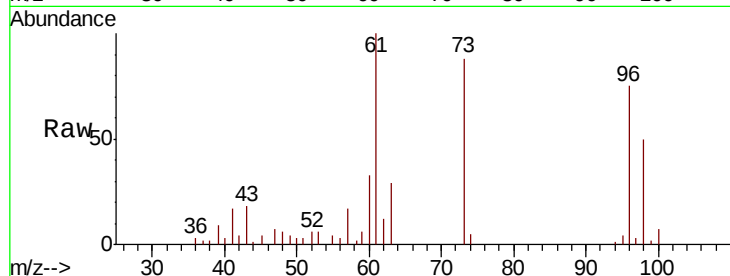
Tot Ion: 96 Resp: 16142

Ion Ratio Lower Upper

96 100

61 133.7 105.0 157.6

98 66.8 49.7 74.5

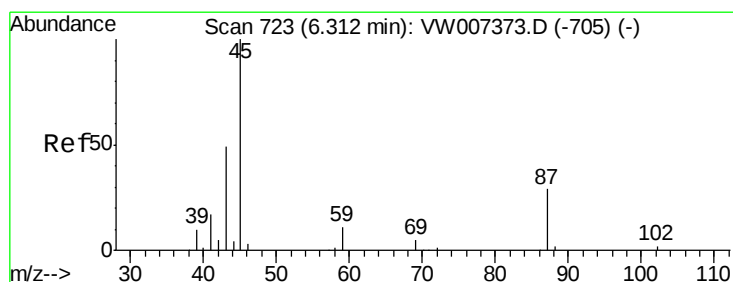
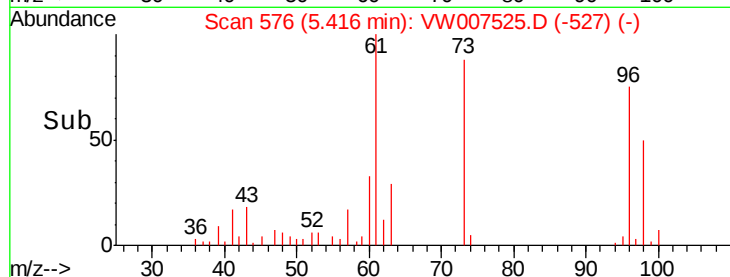
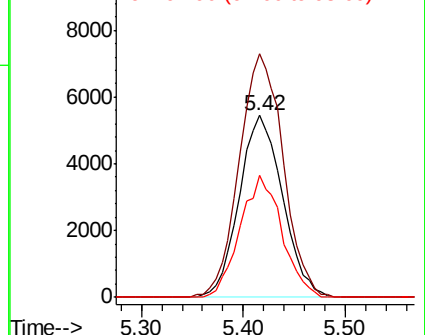


Abundance

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: 21.031 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Tgt Ion: 45 Resp: 40744

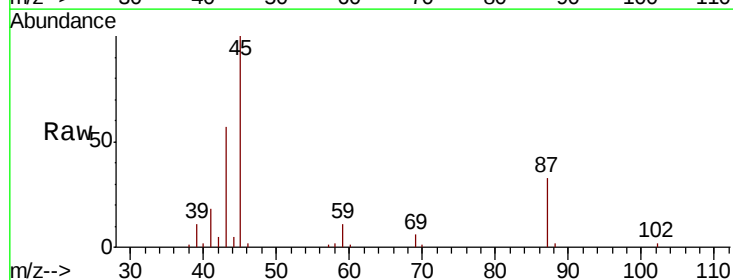
Ion Ratio Lower Upper

45 100

43 55.9 41.6 62.4

87 32.7 24.3 36.5

59 11.4 9.4 14.0



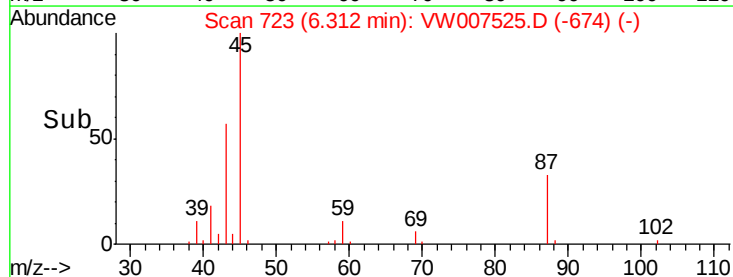
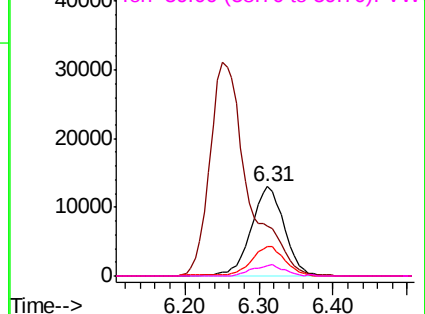
Abundance

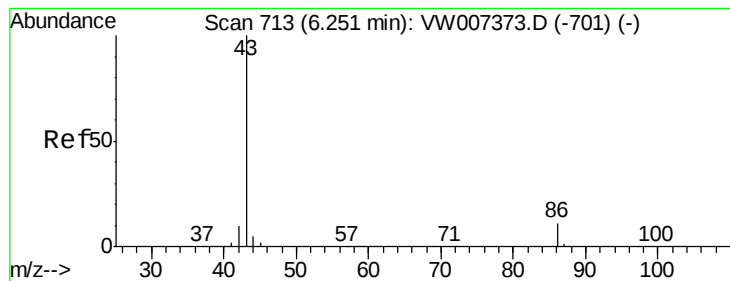
Ion 45.00 (44.70 to 45.70): VW

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: 101.708 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

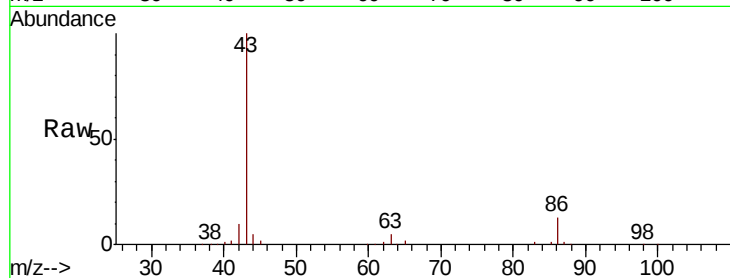
VW1217SBSD01

Tot Ion: 43 Resp: 110214

Ion Ratio Lower Upper

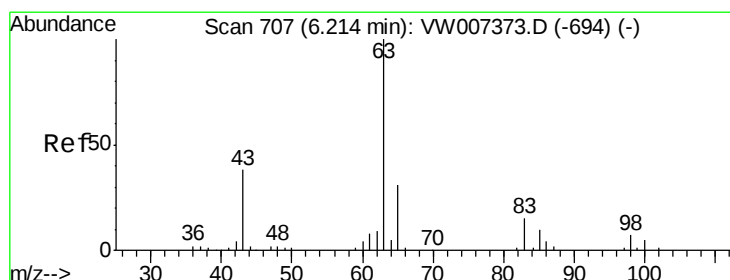
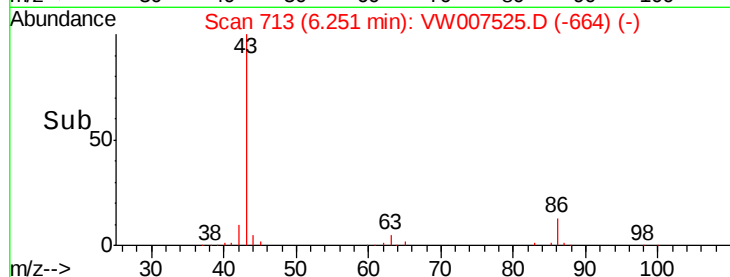
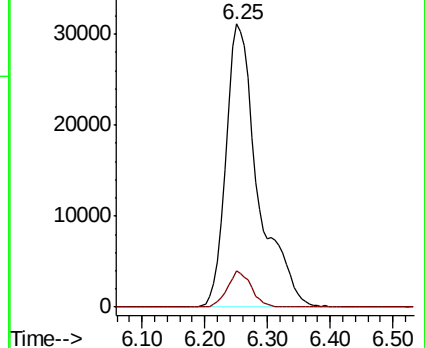
43 100

86 12.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.015 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

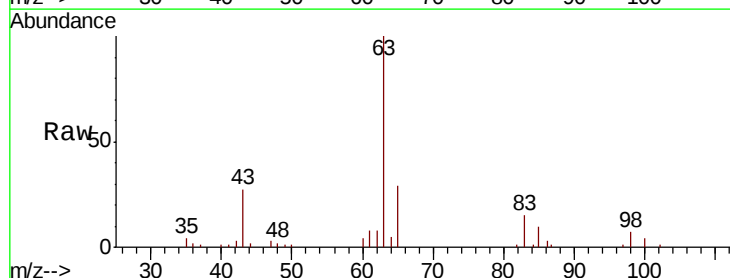
Tgt Ion: 63 Resp: 27517

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

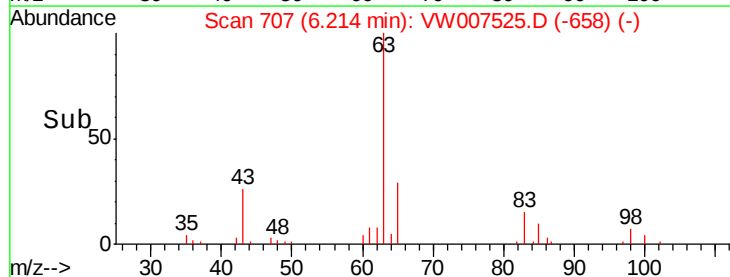
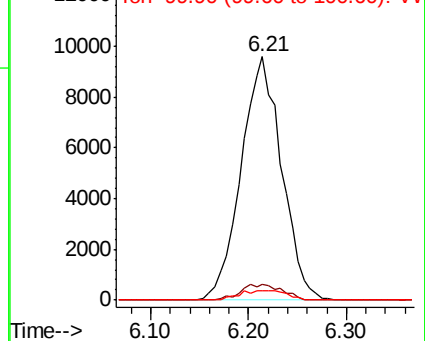
100 3.9 2.5 7.5

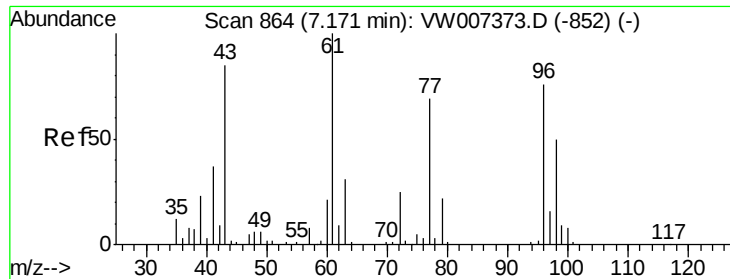


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 105.936 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

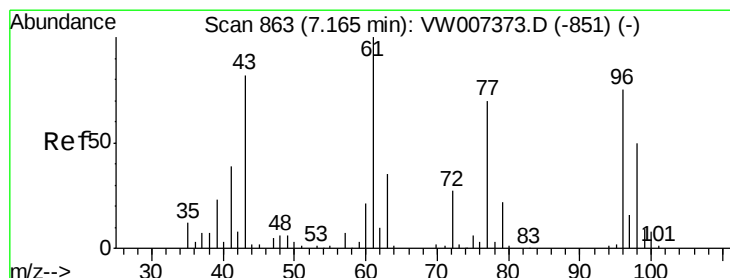
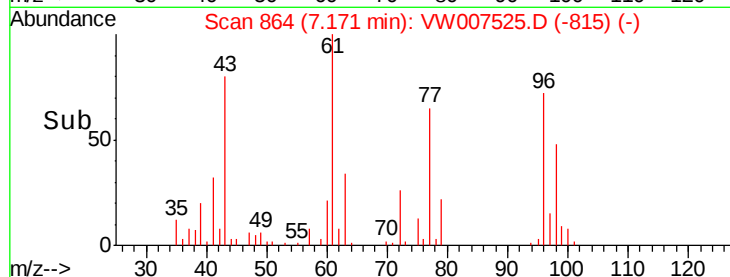
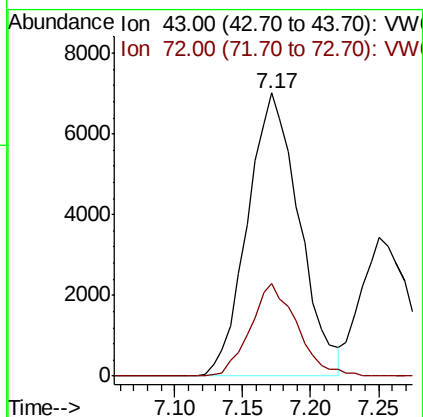
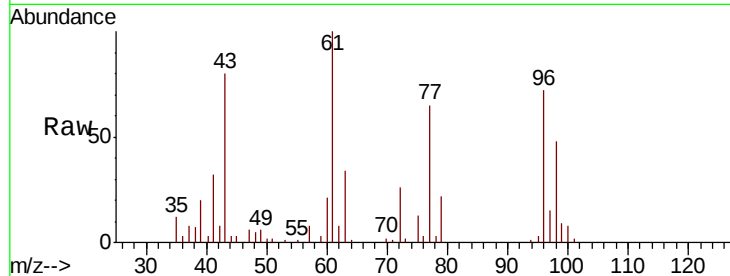
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

Tot Ion: 43 Resp: 18681

Ion Ratio Lower Upper

43 100

72 32.6 23.4 35.2



#26

2,2-Dichloropropane

Concen: 18.862 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007525.D

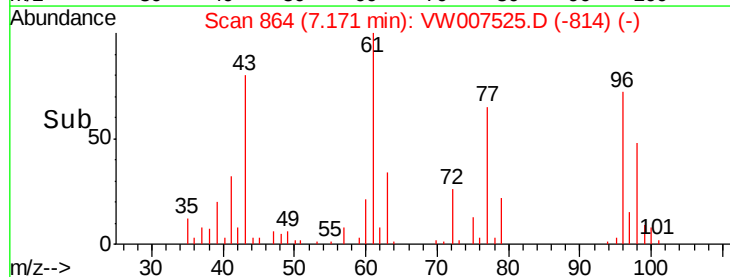
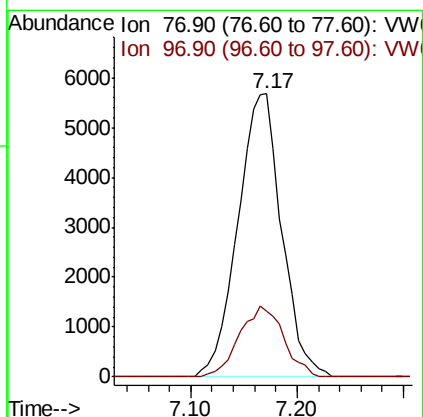
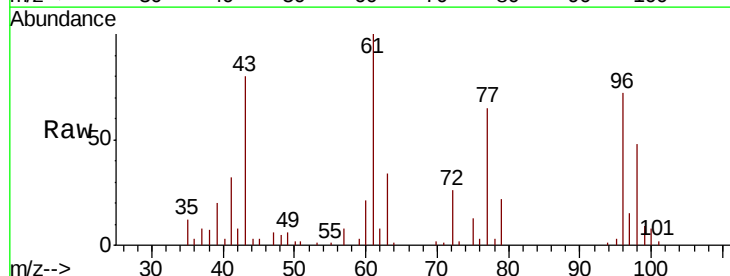
Acq: 14 Dec 2018 10:49

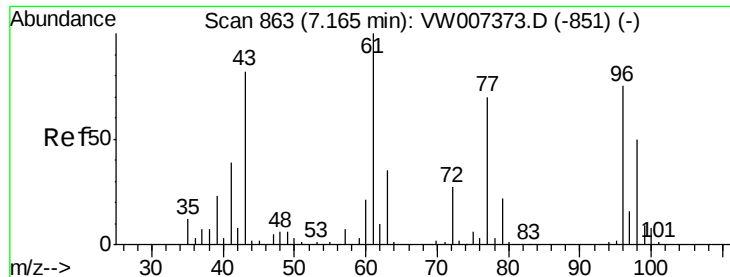
Tgt Ion: 77 Resp: 16345

Ion Ratio Lower Upper

77 100

97 25.3 11.6 34.8



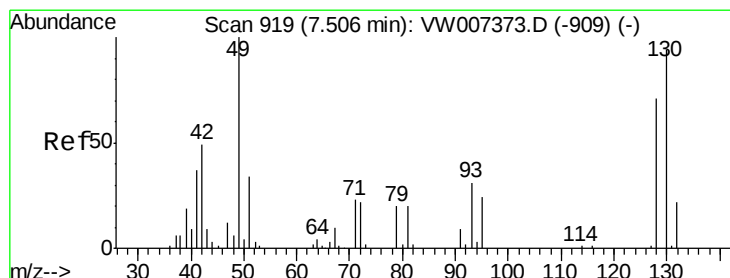
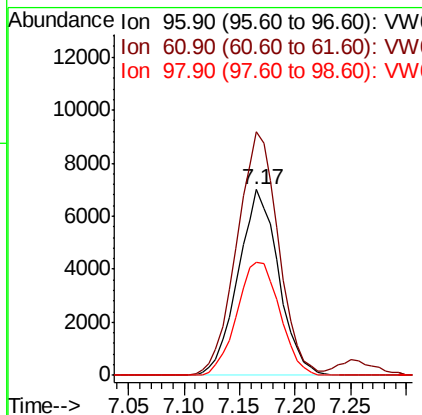
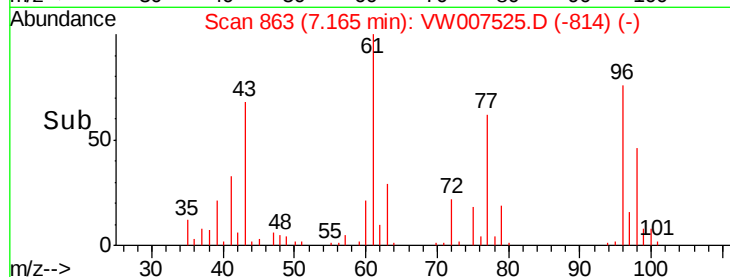
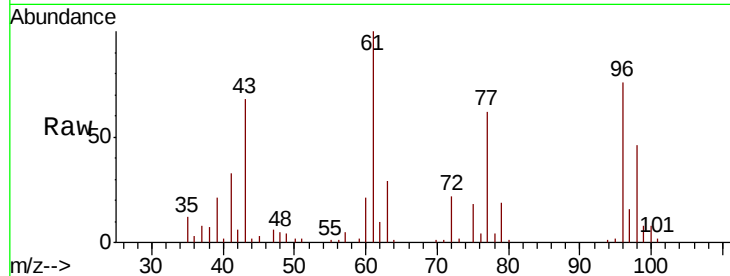


#27

cis-1,2-Dichloroethene
 Concen: 21.203 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD01

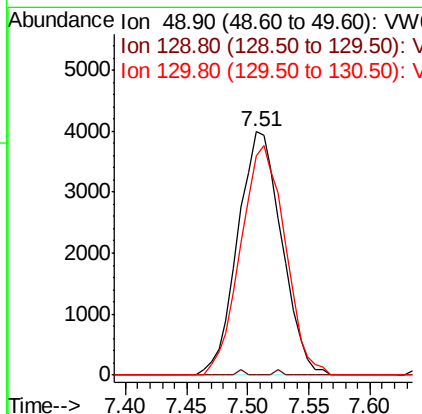
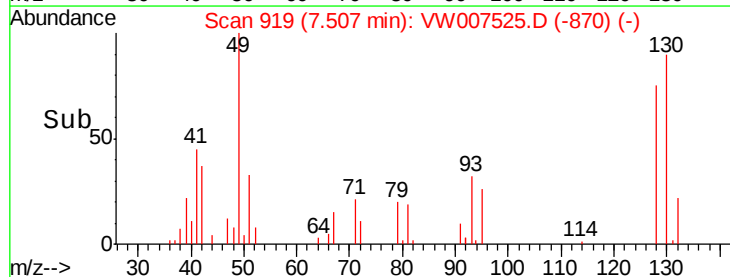
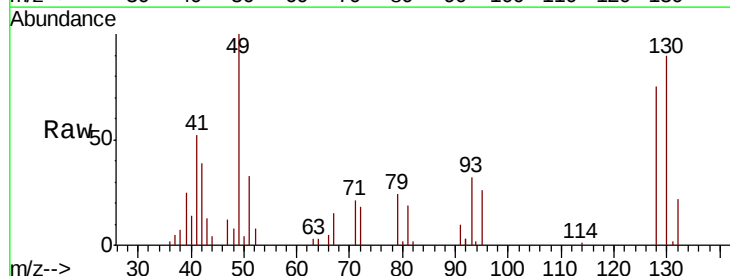
Tot Ion: 96 Resp: 17759
 Ion Ratio Lower Upper
 96 100
 61 133.9 0.0 268.4
 98 64.1 0.0 127.8

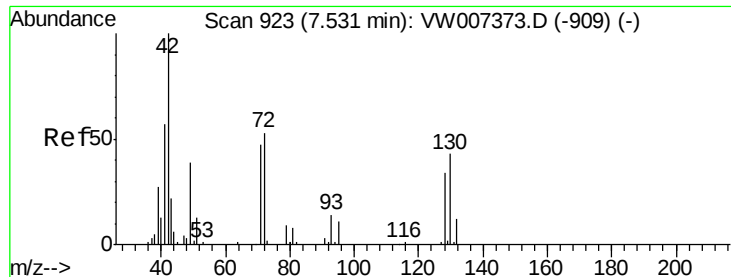


#28

Bromochloromethane
 Concen: 20.251 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Tgt Ion: 49 Resp: 9974
 Ion Ratio Lower Upper
 49 100
 129 0.4 0.0 2.6
 130 95.4 75.9 113.9

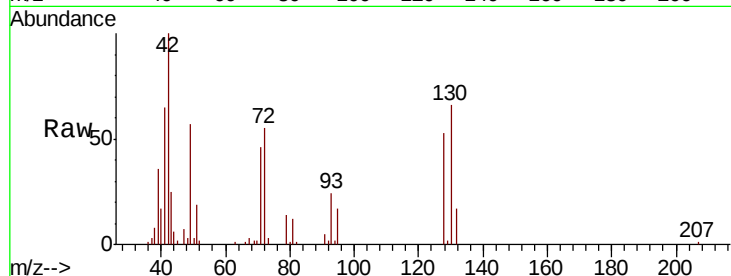




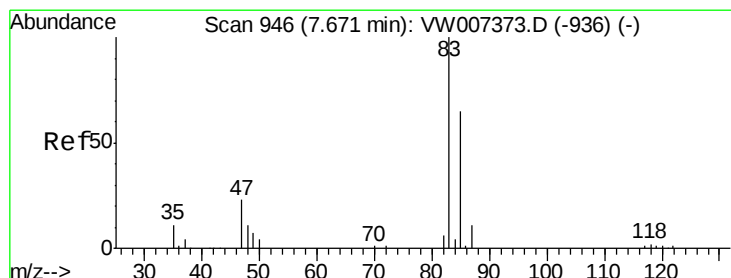
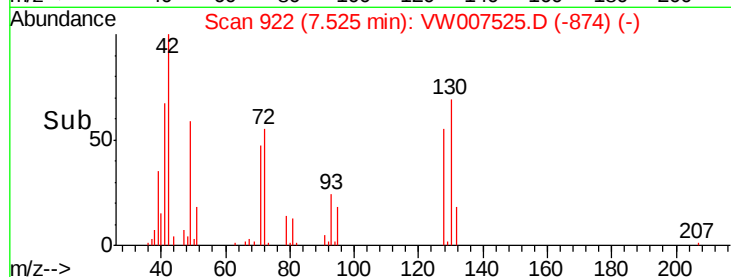
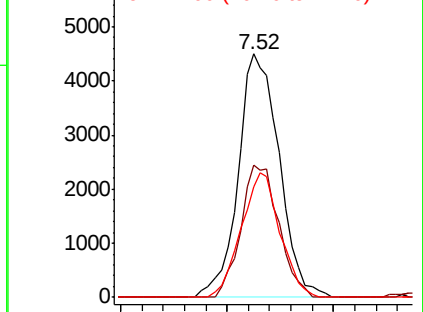
#29
Tetrahydrofuran
Concen: 108.423 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

Tot Ion: 42 Resp: 12104
Ion Ratio Lower Upper
42 100
72 50.3 38.2 57.4
71 48.4 35.5 53.3

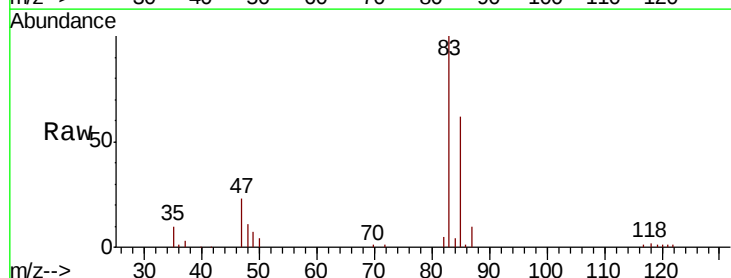


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

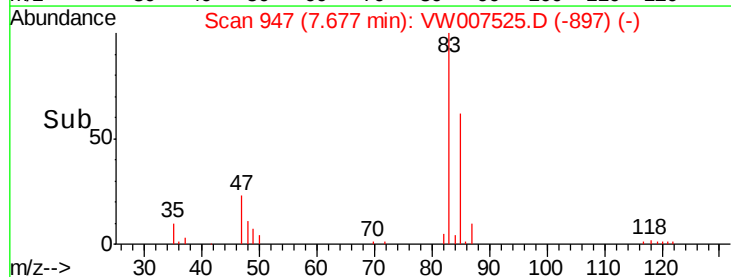
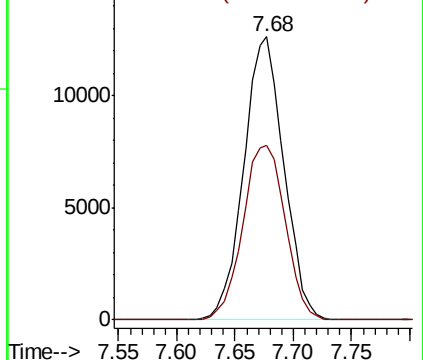


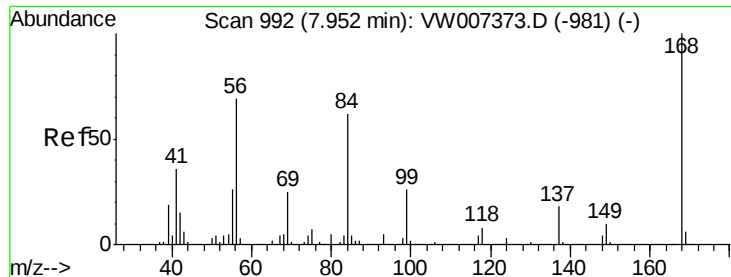
#30
Chloroform
Concen: 21.192 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 83 Resp: 30197
Ion Ratio Lower Upper
83 100
85 61.7 51.8 77.8



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

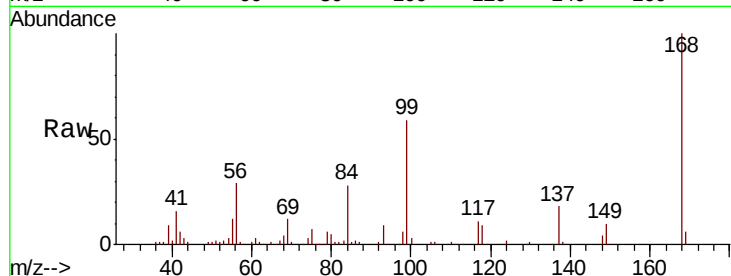




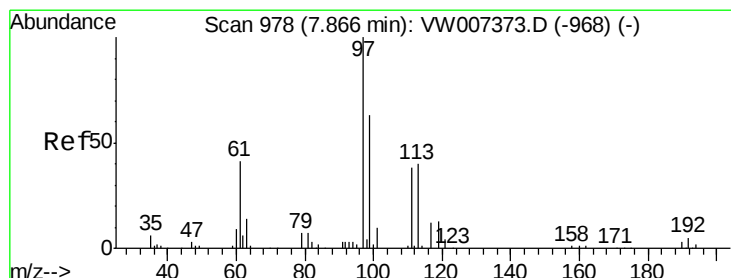
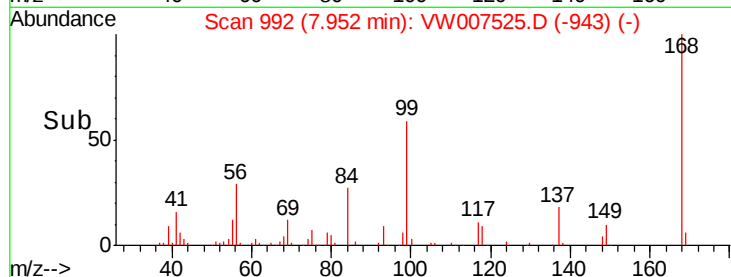
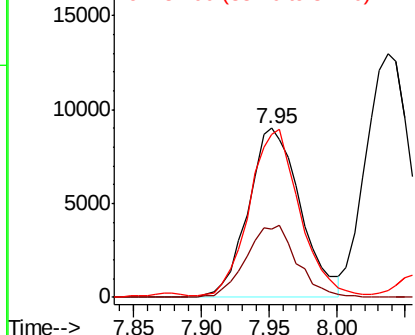
#31
Cyclohexane
Concen: 20.162 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

Tot Ion: 56 Resp: 24222
Ion Ratio Lower Upper
56 100
69 40.4 28.9 43.3
84 95.2 71.8 107.6

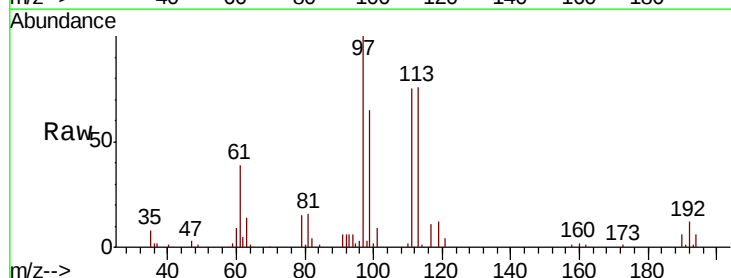


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

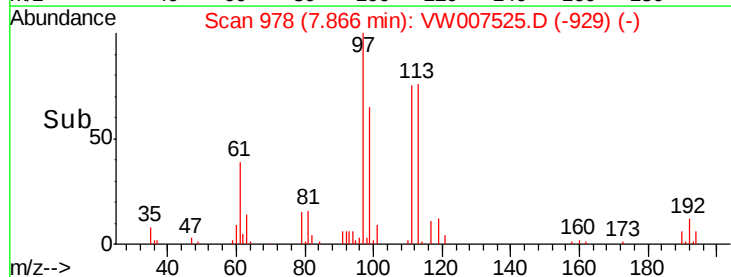
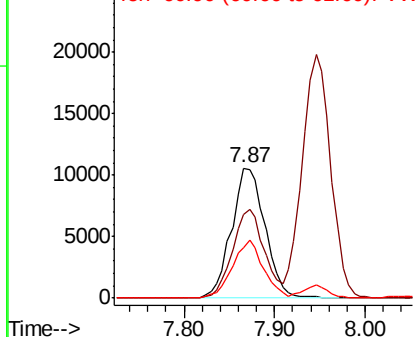


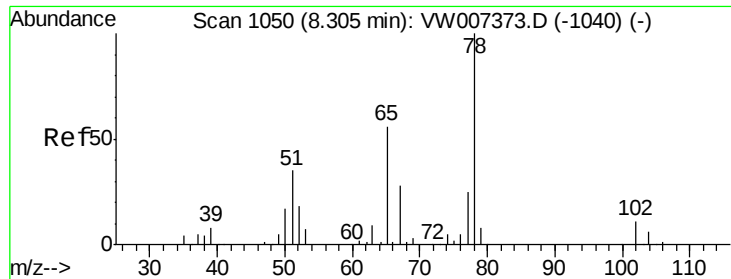
#32
1,1,1-Trichloroethane
Concen: 21.753 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 97 Resp: 27182
Ion Ratio Lower Upper
97 100
99 65.1 51.1 76.7
61 40.7 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

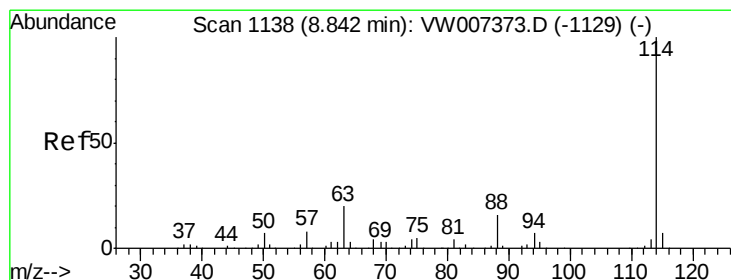
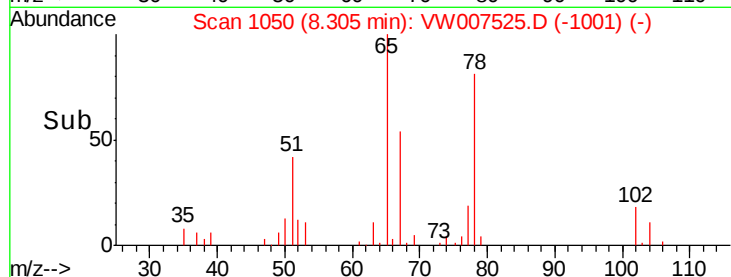
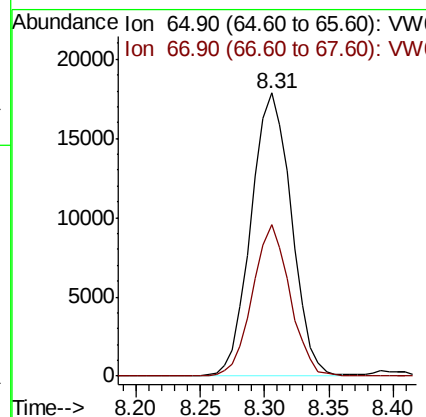
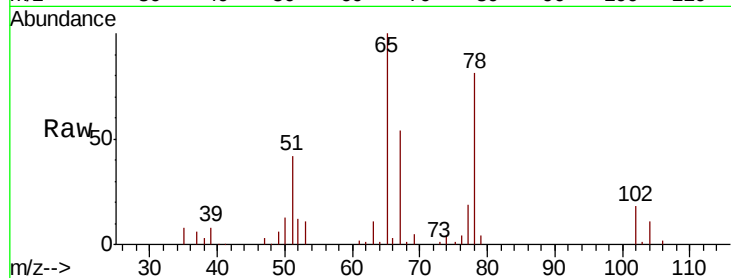




#33
 1,2-Dichloroethane-d4
 Concen: 50.076 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

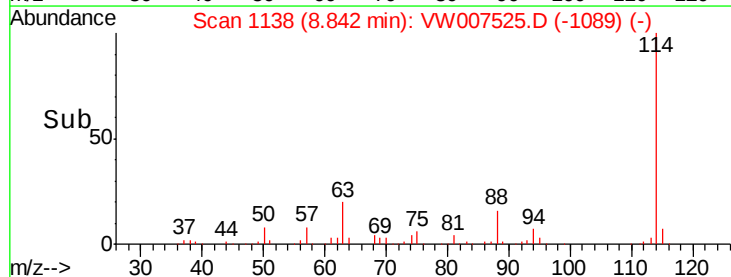
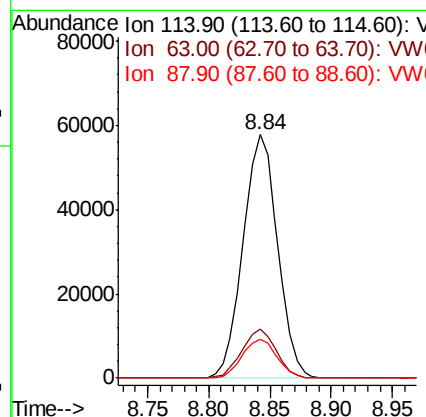
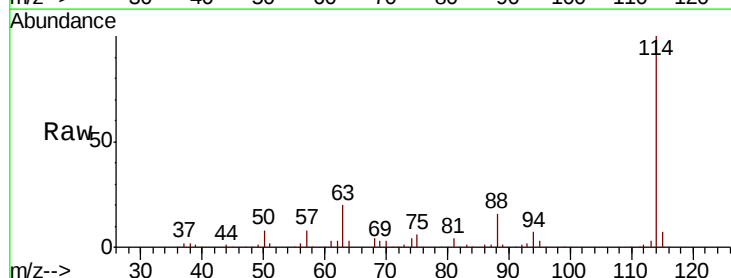
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD01

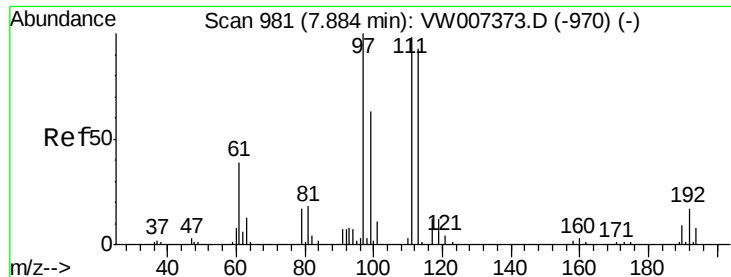
Tot Ion: 65 Resp: 38725
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Tgt Ion: 114 Resp: 113171
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.6
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.860 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD01

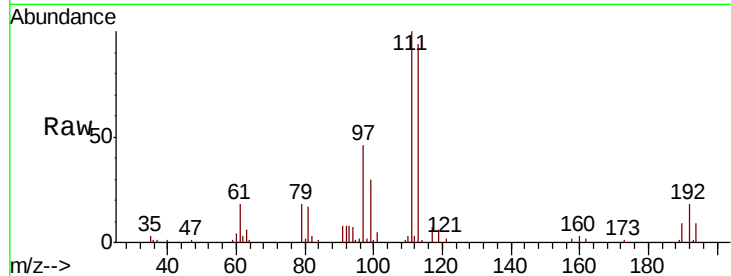
Tot Ion:113 Resp: 35528

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

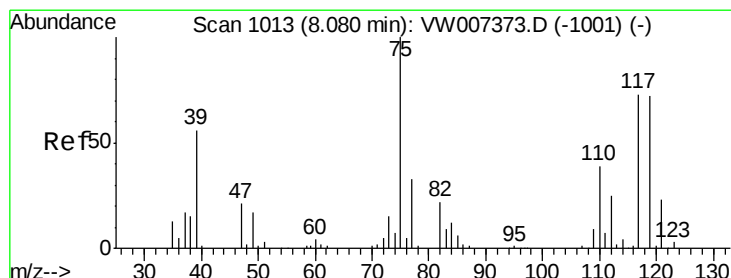
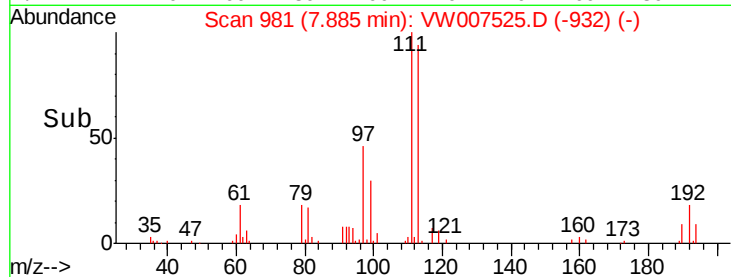
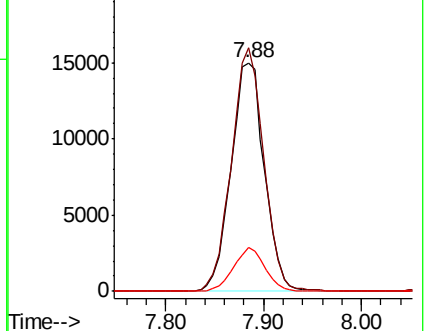
192 18.1 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.153 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

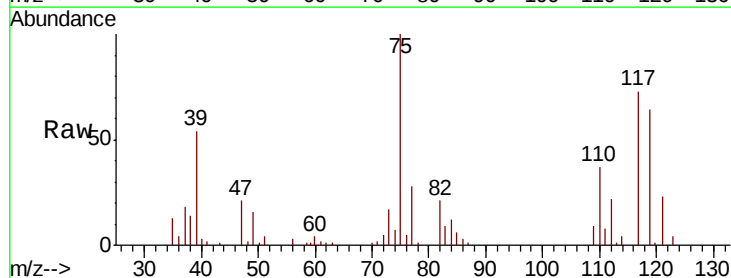
Tgt Ion: 75 Resp: 22870

Ion Ratio Lower Upper

75 100

110 37.8 18.5 55.5

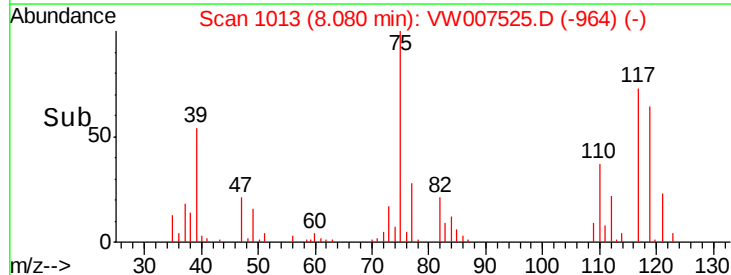
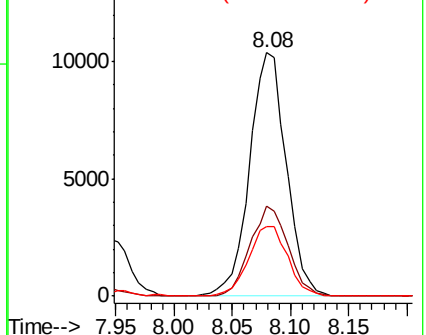
77 30.3 25.6 38.4

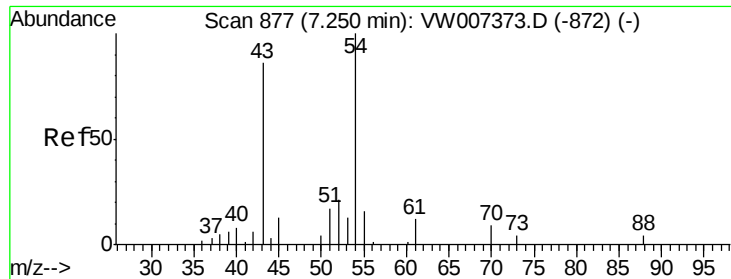


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

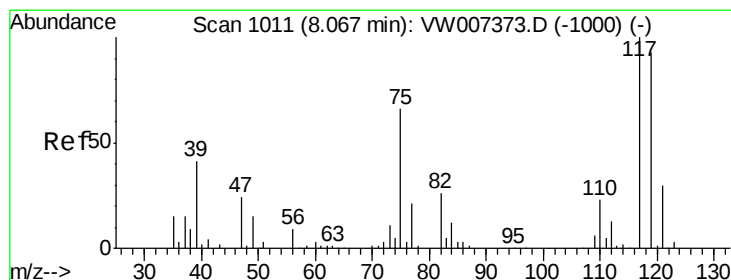
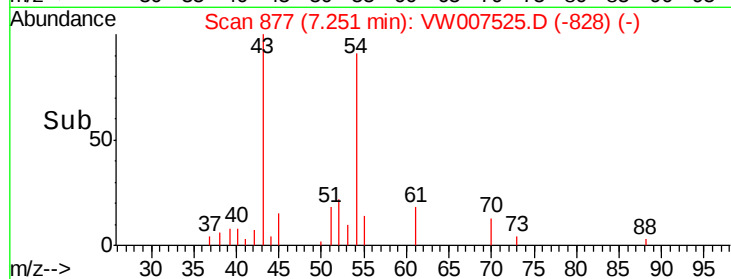
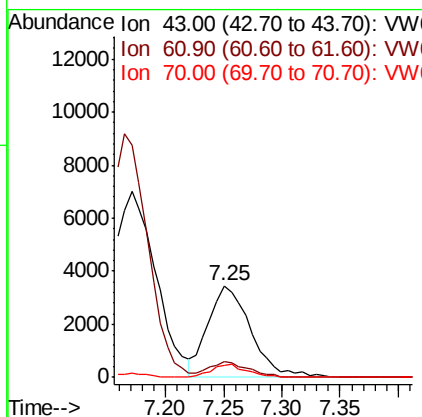
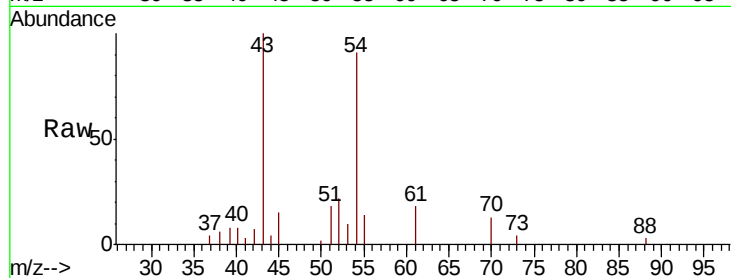




#37
Ethyl Acetate
Concen: 22.913 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

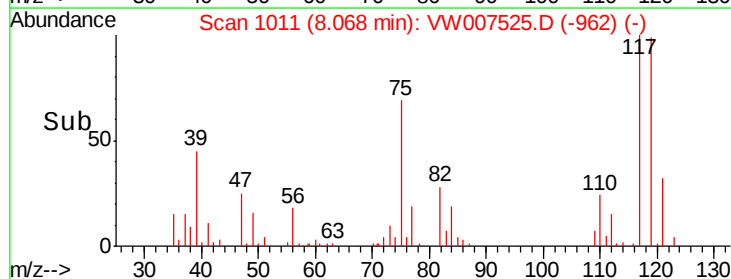
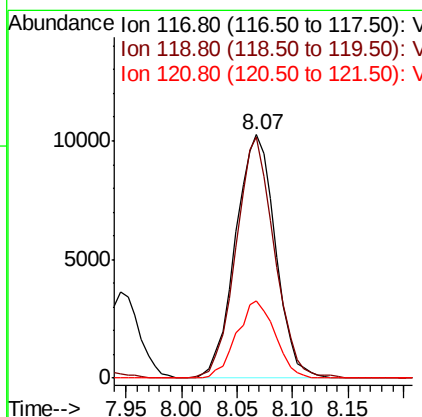
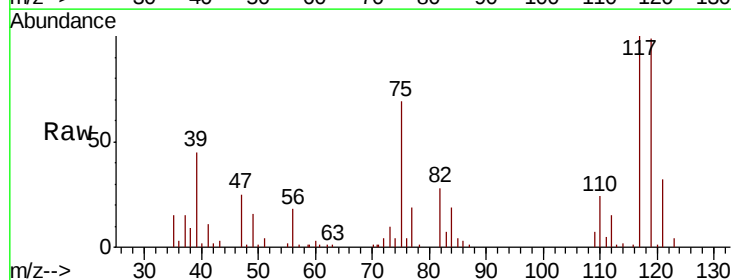
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

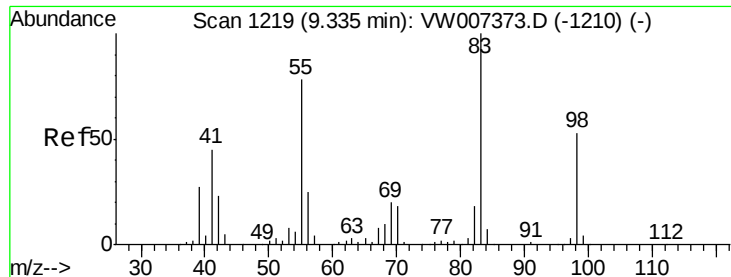
Tot Ion: 43 Resp: 8798
Ion Ratio Lower Upper
43 100
61 16.1 12.1 18.1
70 11.7 10.0 15.0



#38
Carbon Tetrachloride
Concen: 22.720 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 117 Resp: 25522
Ion Ratio Lower Upper
117 100
119 99.1 74.3 111.5
121 32.0 24.3 36.5

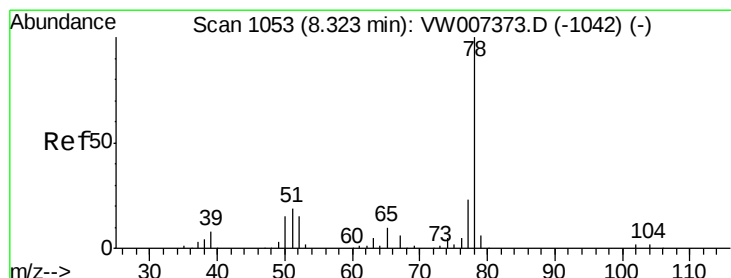
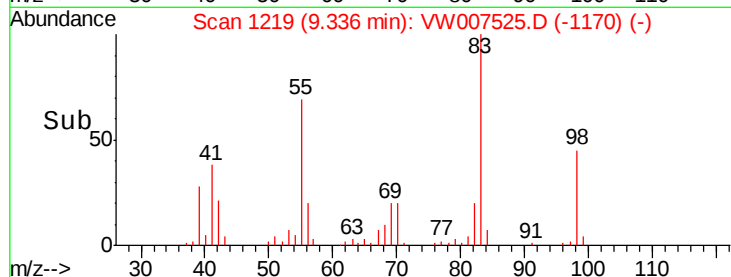
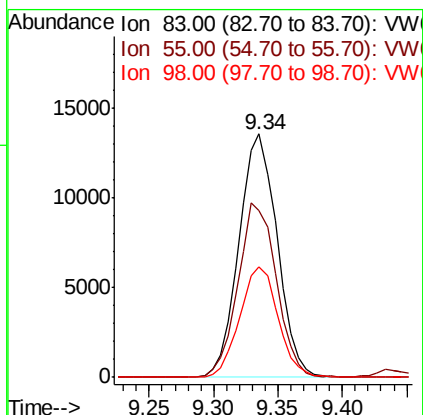
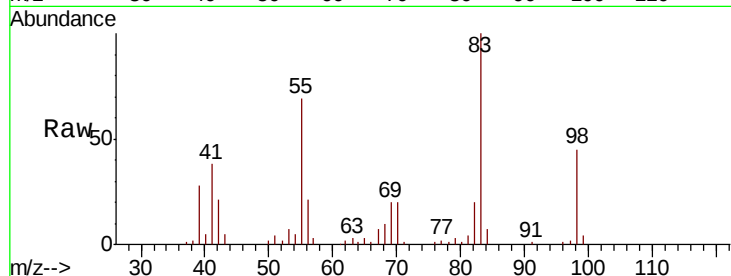




#39
Methvlcvclohexane
Concen: 22.251 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

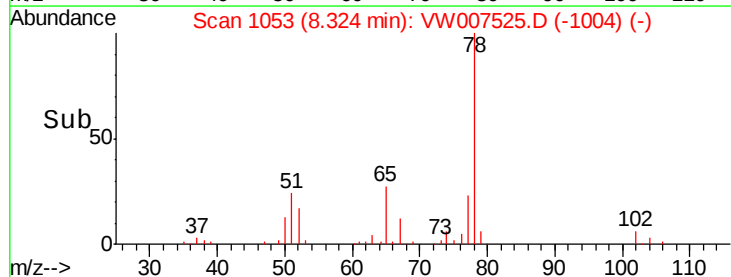
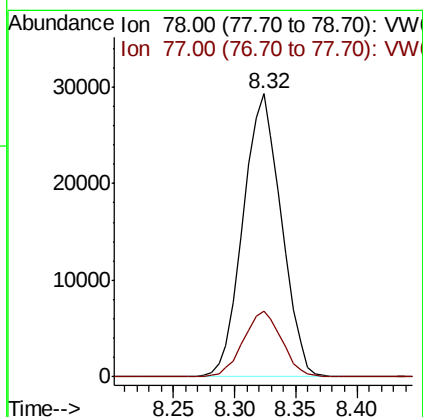
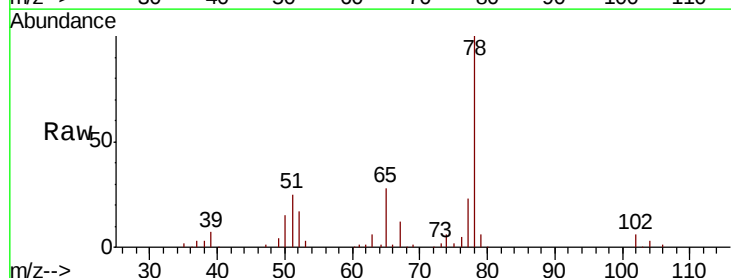
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

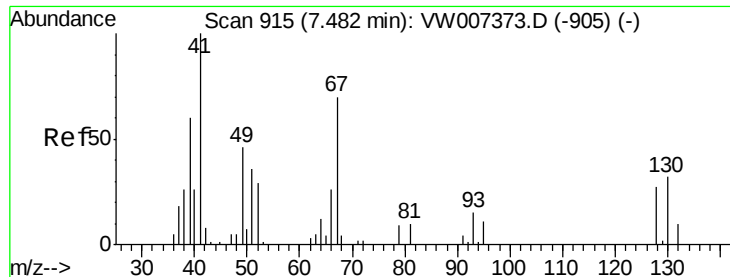
Tot Ion: 83 Resp: 27816
Ion Ratio Lower Upper
83 100
55 68.5 62.8 94.2
98 45.3 42.2 63.2



#40
Benzene
Concen: 22.271 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 78 Resp: 63809
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

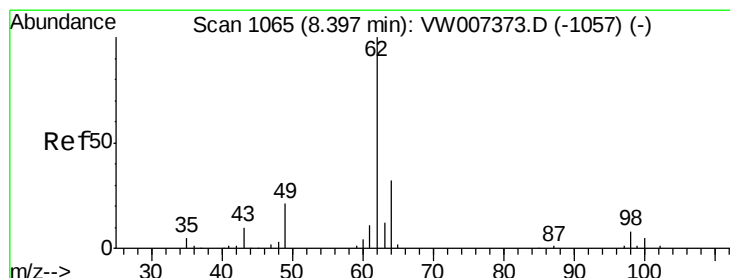
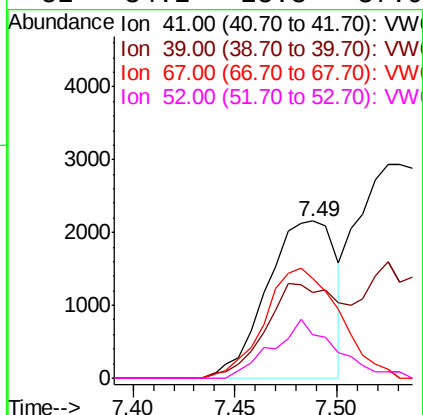
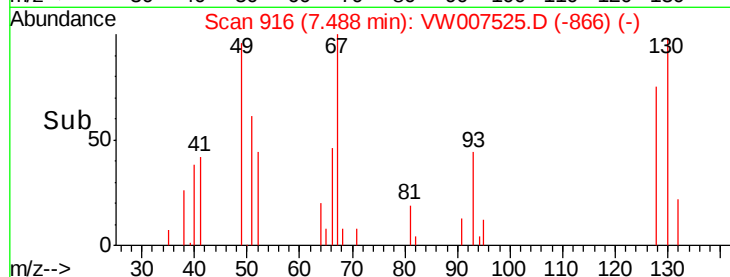
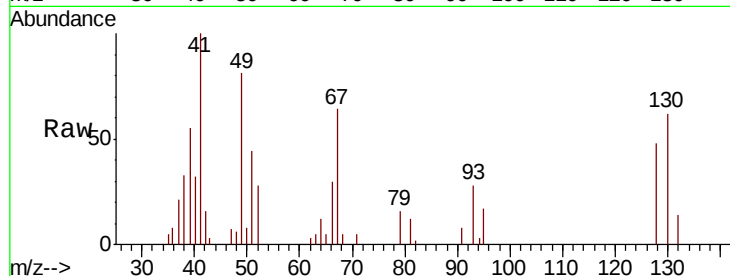




#41
Methacrylonitrile
Concen: 23.196 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

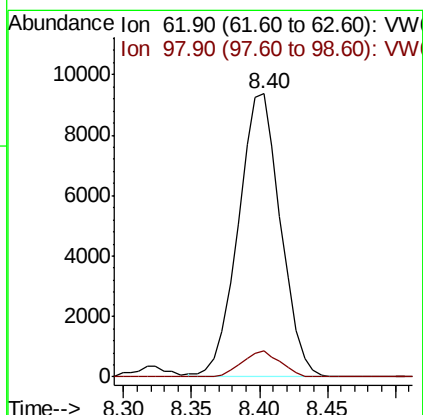
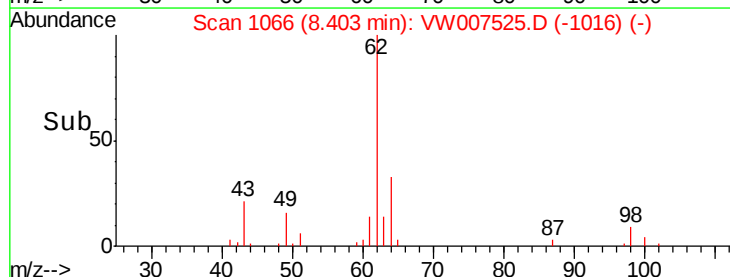
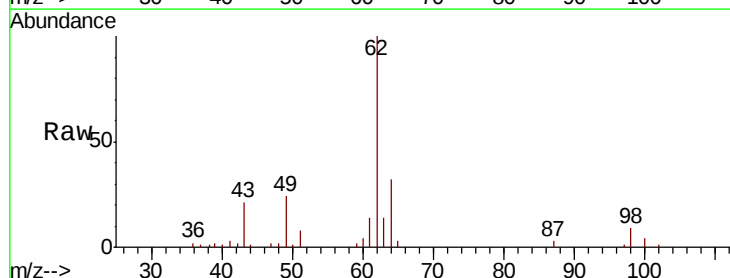
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

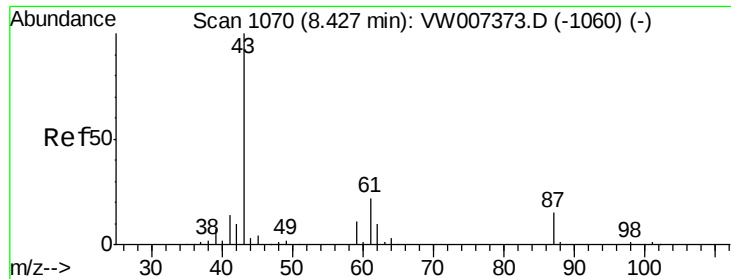
Tot Ion: 41 Resp: 5072
Ion Ratio Lower Upper
41 100
39 67.3 52.2 78.2
67 75.8 60.5 90.7
52 34.2 25.3 37.9



#42
1,2-Dichloroethane
Concen: 22.639 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 62 Resp: 20375
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.6





#43

Isopropyl Acetate

Concen: 22.478 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

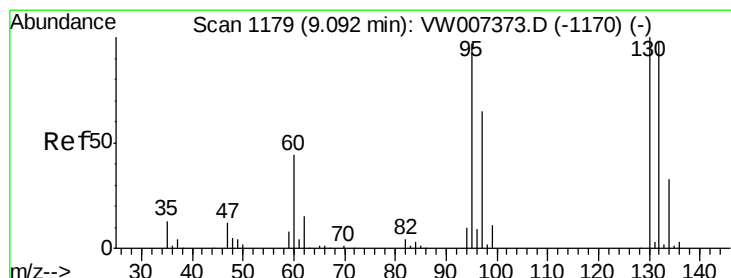
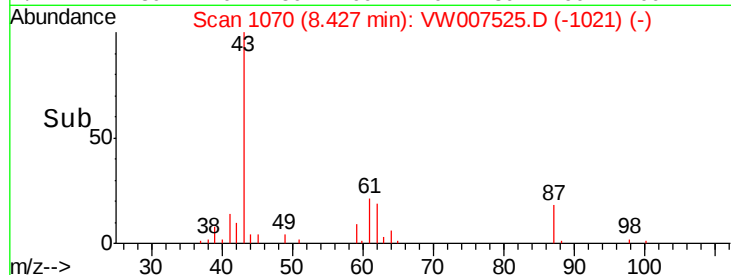
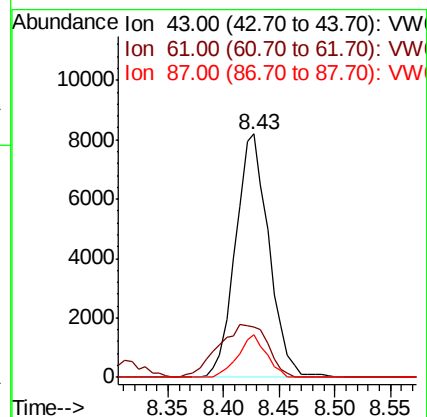
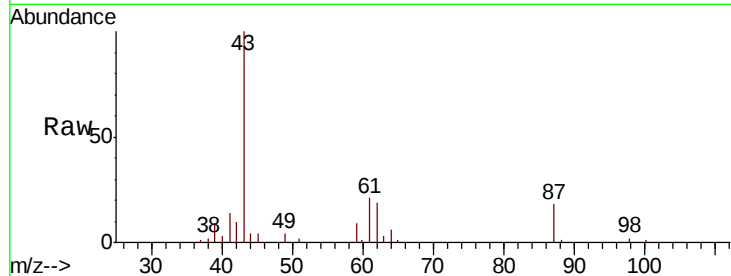
Tot Ion: 43 Resp: 17049

Ion Ratio Lower Upper

43 100

61 31.8 25.3 37.9

87 14.9 11.8 17.8



#44

Trichloroethene

Concen: 22.653 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007525.D

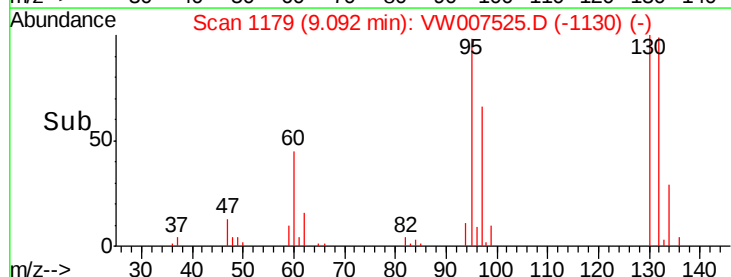
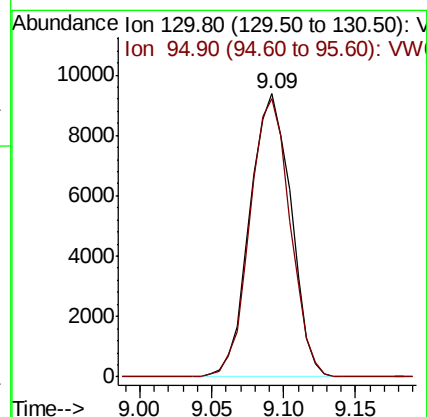
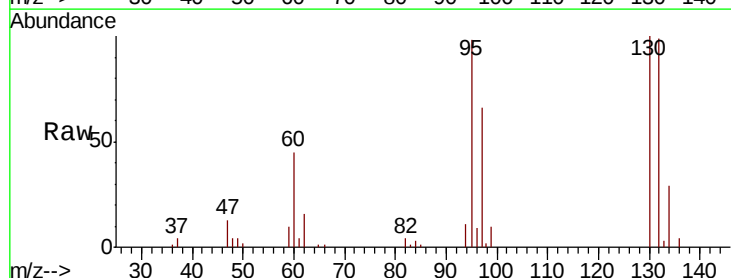
Acq: 14 Dec 2018 10:49

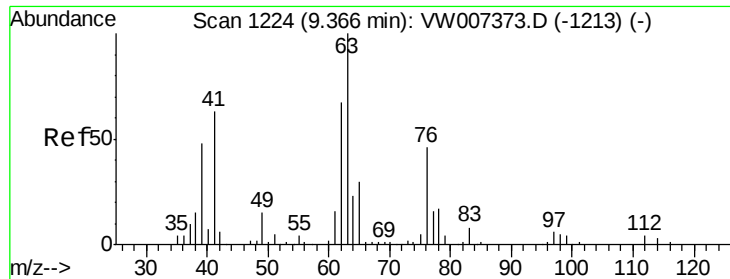
Tgt Ion: 130 Resp: 18533

Ion Ratio Lower Upper

130 100

95 98.5 0.0 193.2





#45

1,2-Dichloropropane

Concen: 22.633 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

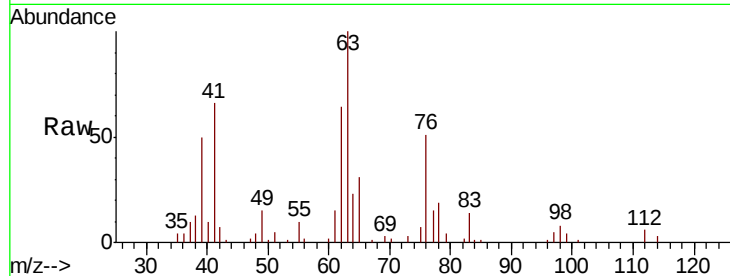
VW1217SBS01

Tot Ion: 63 Resp: 15006

Ion Ratio Lower Upper

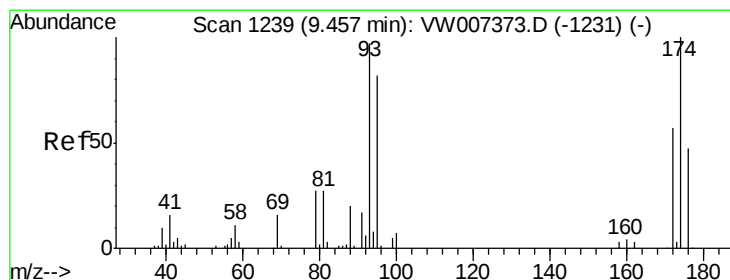
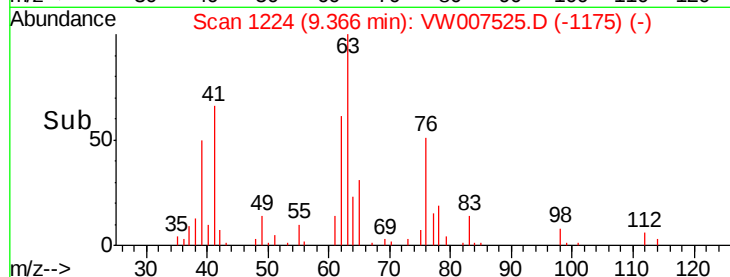
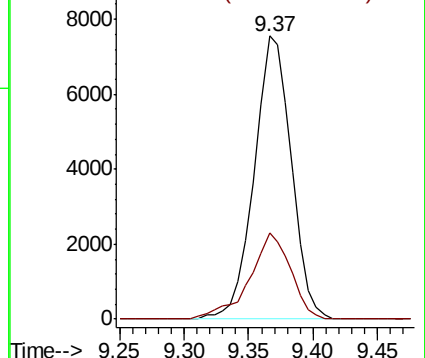
63 100

65 30.6 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: 23.428 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

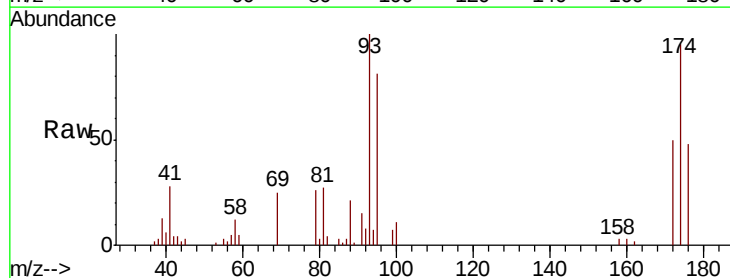
Tgt Ion: 93 Resp: 8821

Ion Ratio Lower Upper

93 100

95 81.8 68.0 102.0

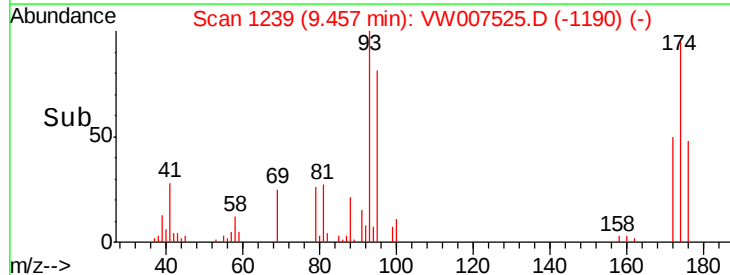
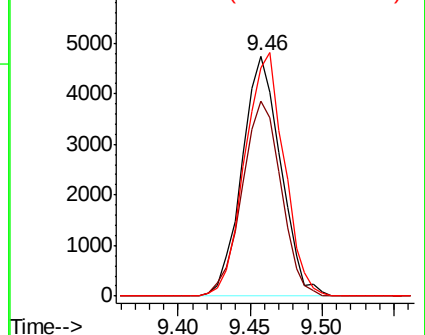
174 102.7 83.2 124.8

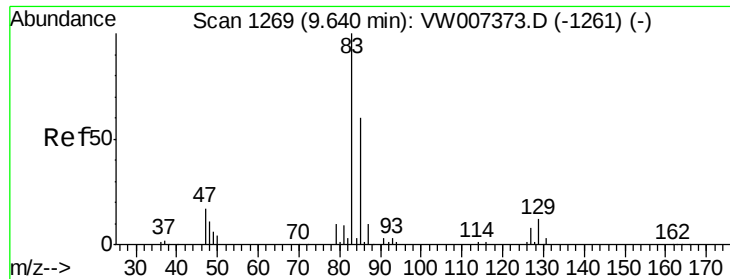


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

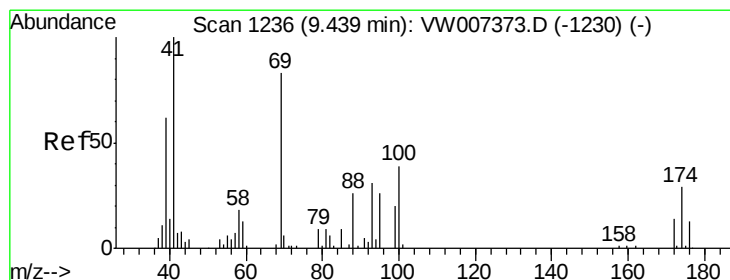
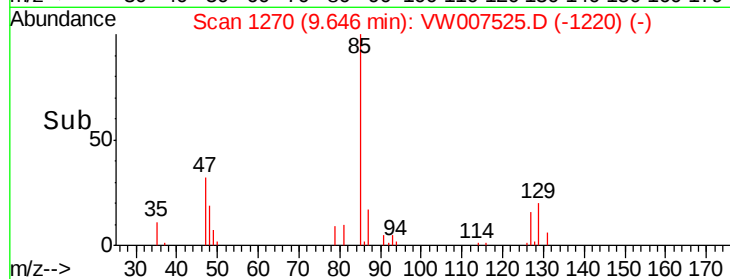
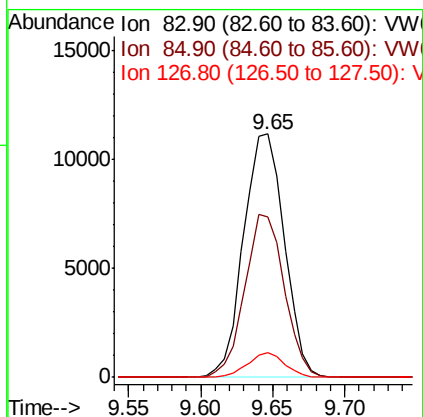
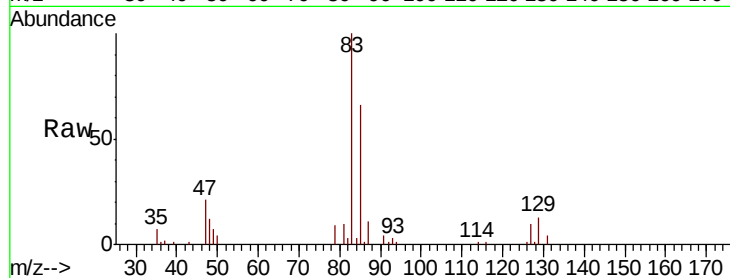




#47
 Bromodichloromethane
 Concen: 22.161 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

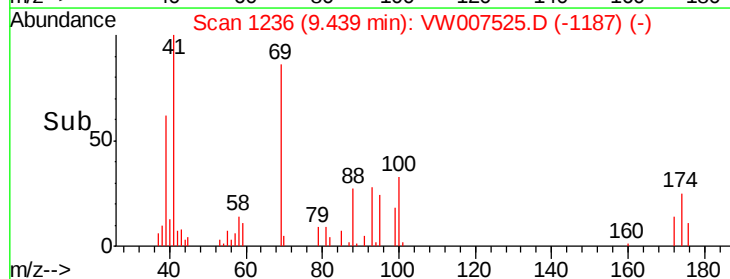
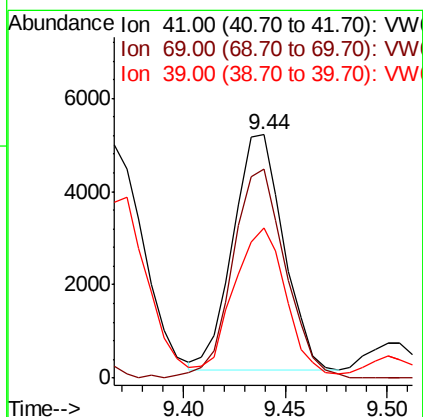
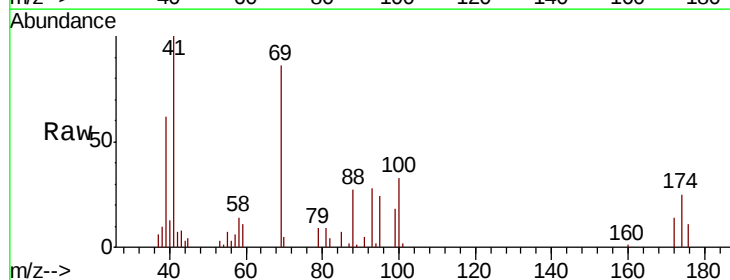
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD01

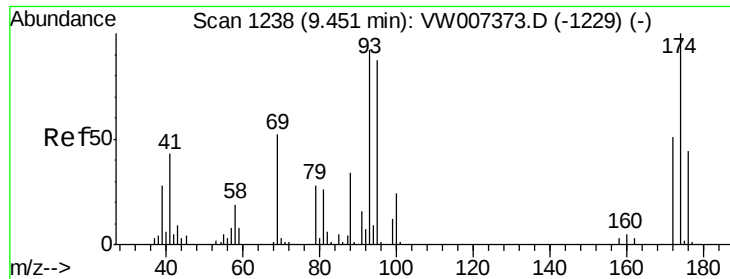
Tot Ion	83	Resp	21886
Ion Ratio	Lower	Upper	
83	100		
85	66.0	47.6	71.4
127	10.4	6.7	10.1#



#48
 Methyl methacrylate
 Concen: 22.396 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Tgt Ion	41	Resp	8724
Ion Ratio	Lower	Upper	
41	100		
69	92.5	69.8	104.8
39	63.0	50.9	76.3

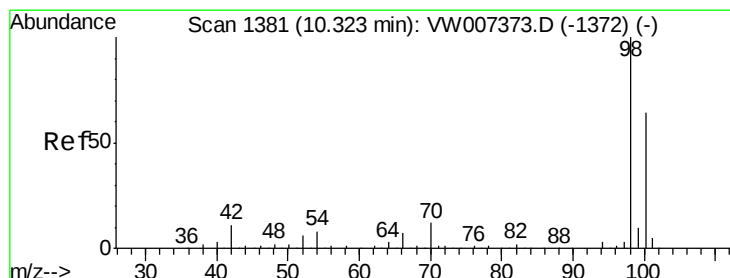
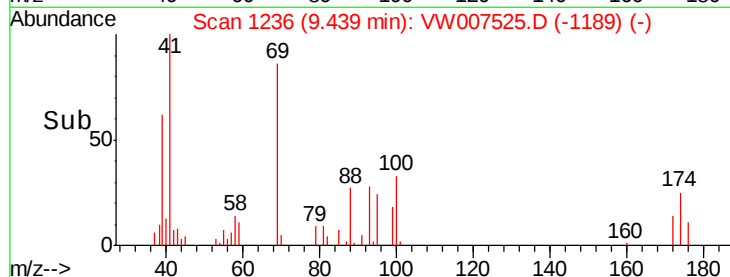
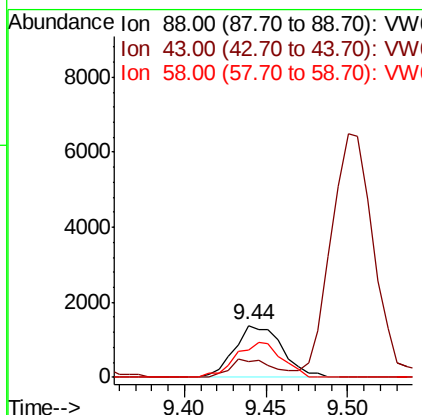
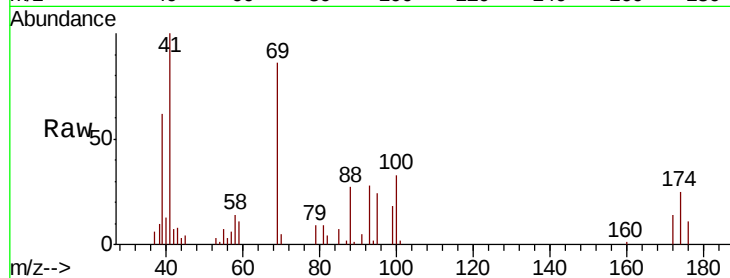




#49
 1,4-Dioxane
 Concen: 460.293 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

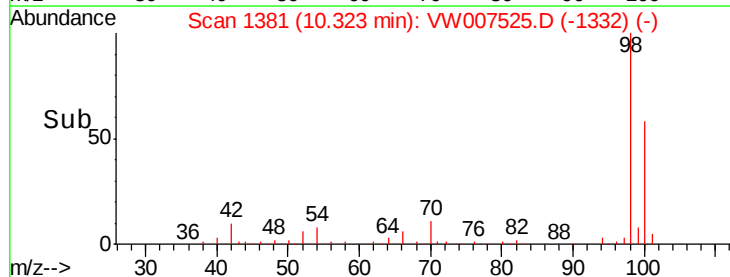
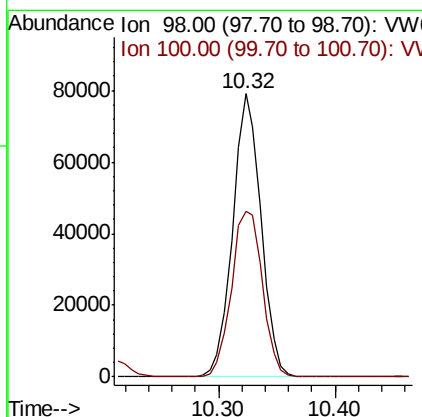
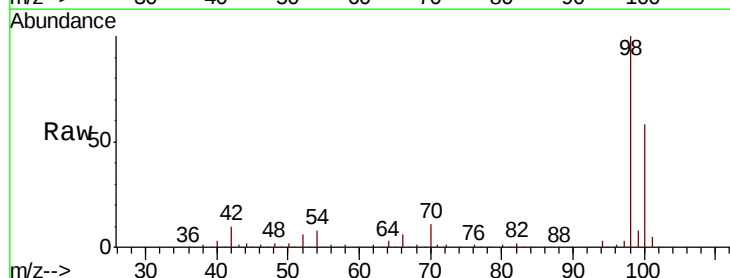
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD01

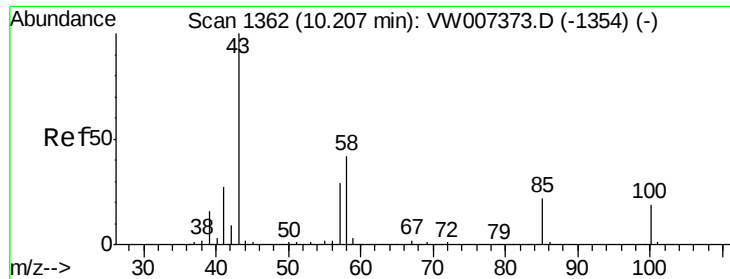
Tot Ion: 88 Resp: 2812
 Ion Ratio Lower Upper
 88 100
 43 30.8 25.0 37.4
 58 63.6 51.4 77.2



#50
 Toluene-d8
 Concen: 52.108 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Tgt Ion: 98 Resp: 133845
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 114.275 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

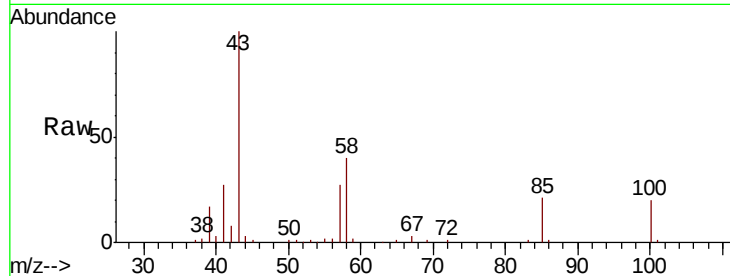
VW1217SBS01

Tot Ion: 43 Resp: 40954

Ion Ratio Lower Upper

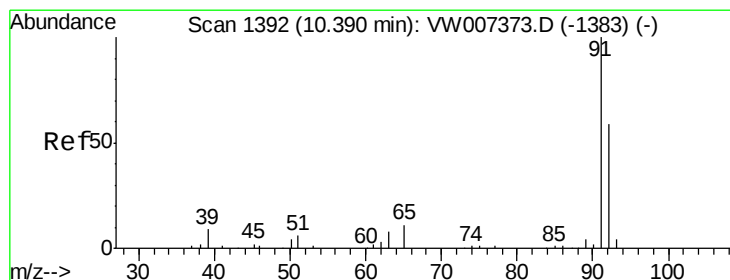
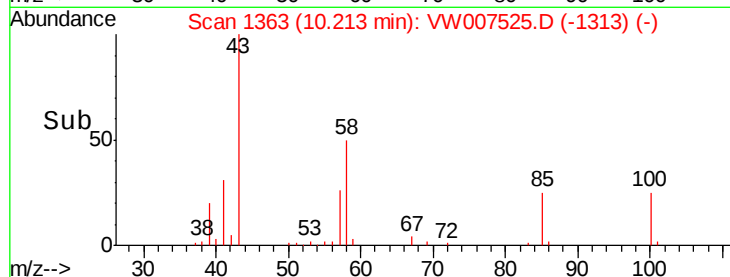
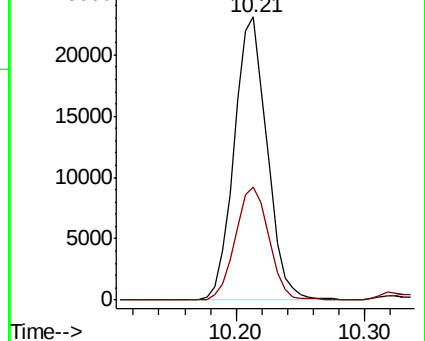
43 100

58 40.7 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 22.043 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007525.D

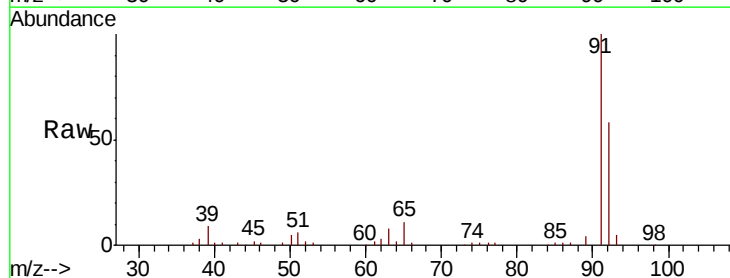
Acq: 14 Dec 2018 10:49

Tgt Ion: 92 Resp: 40870

Ion Ratio Lower Upper

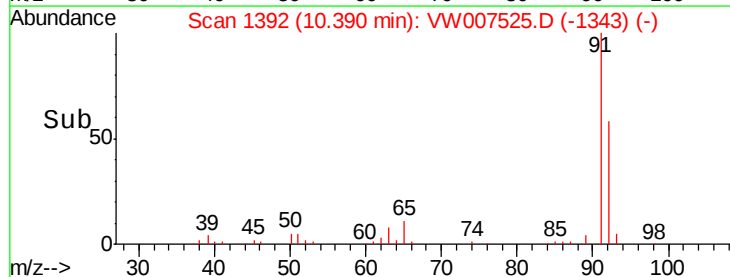
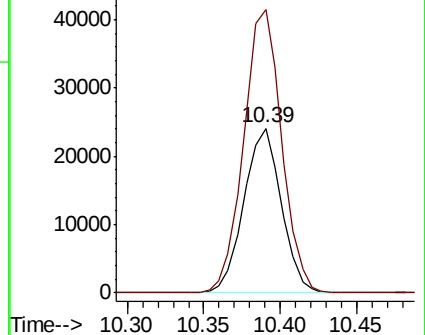
92 100

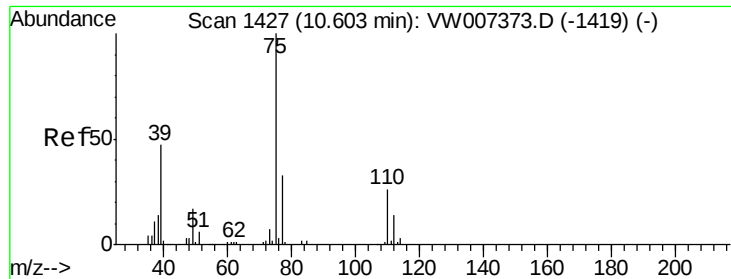
91 174.7 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 22.497 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

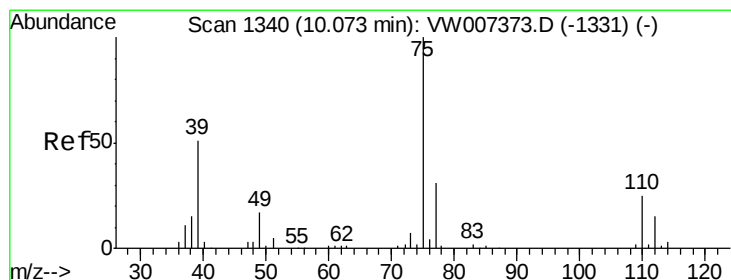
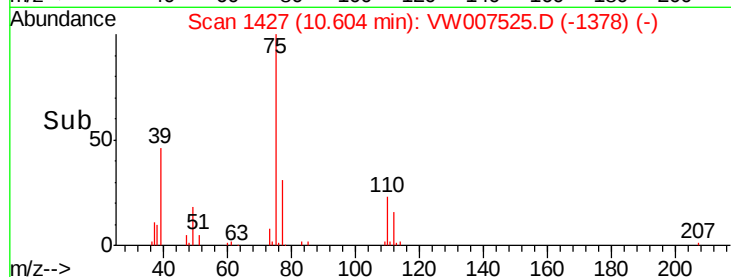
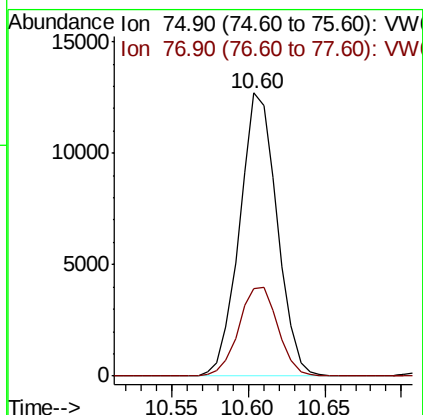
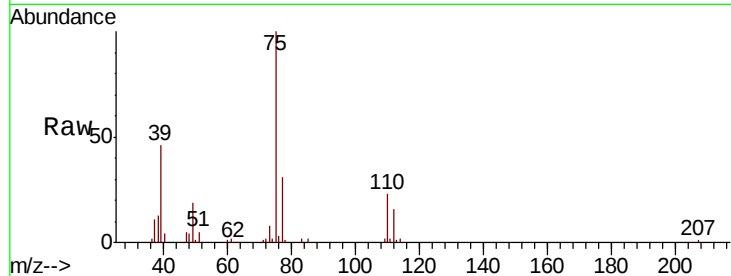
VW1217SBSD01

Tot Ion: 75 Resp: 21570

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 21.323 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

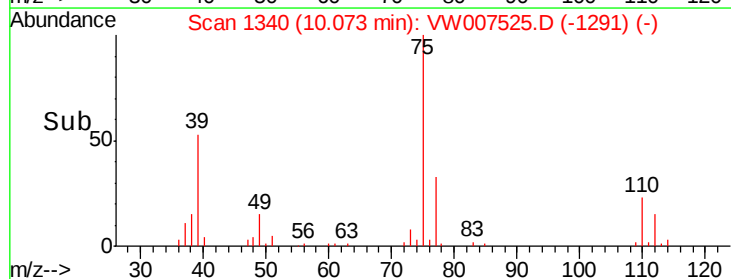
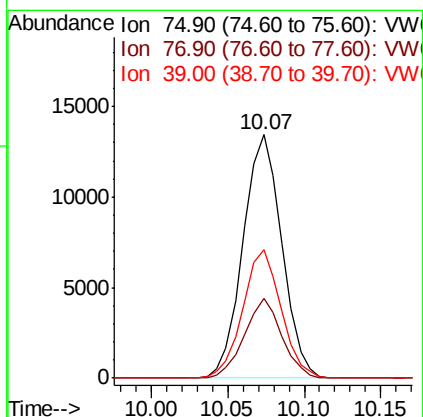
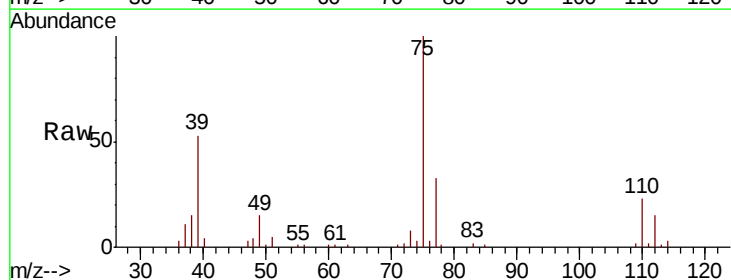
Tgt Ion: 75 Resp: 23634

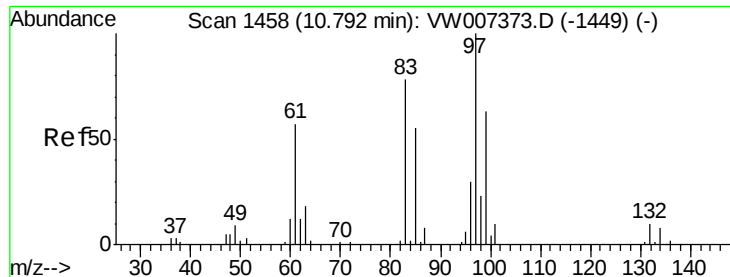
Ion Ratio Lower Upper

75 100

77 33.0 24.8 37.2

39 52.8 40.9 61.3

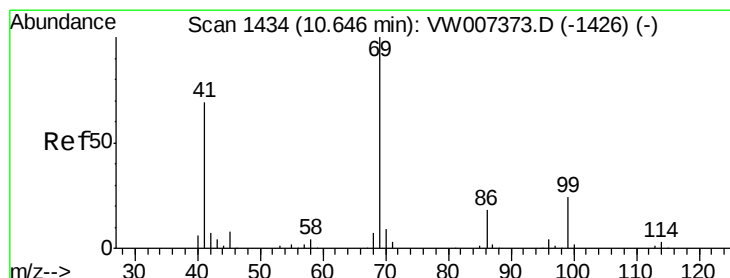
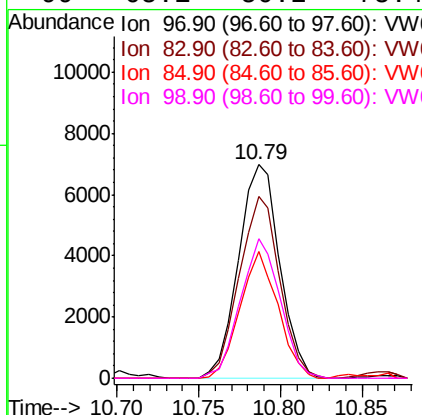
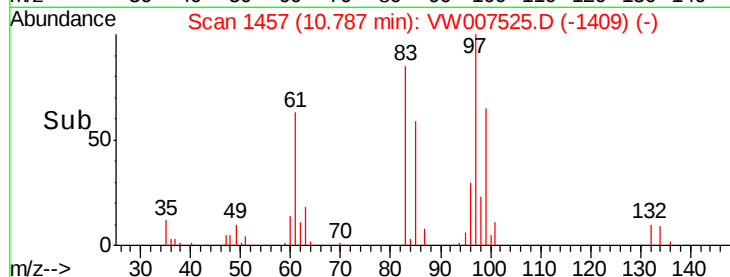
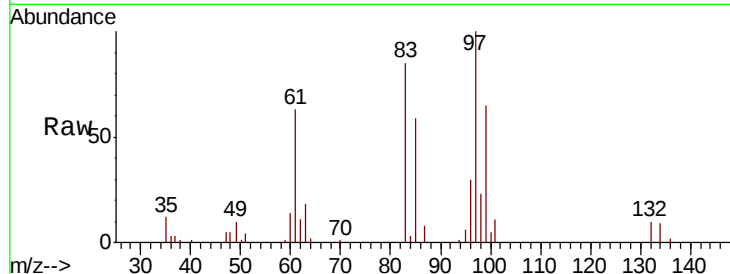




#55
 1,1,2-Trichloroethane
 Concen: 23.970 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

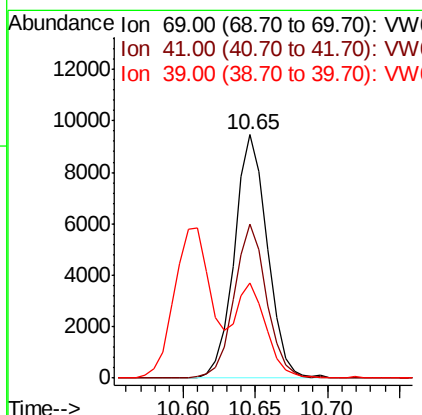
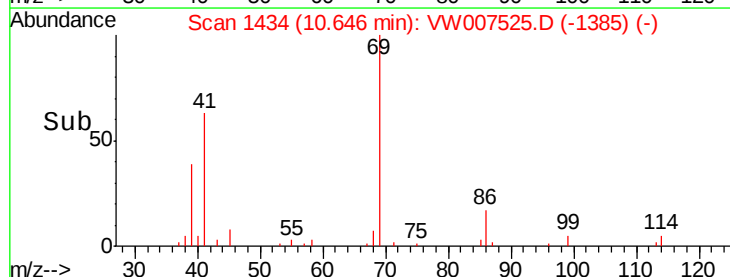
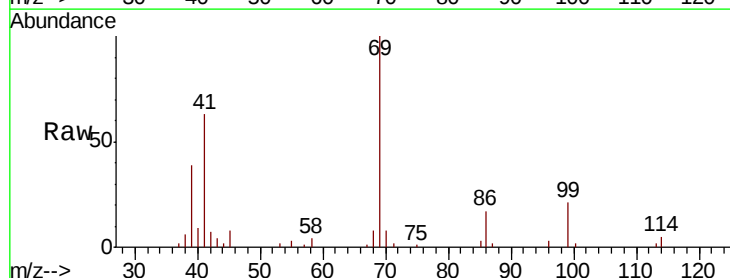
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS01

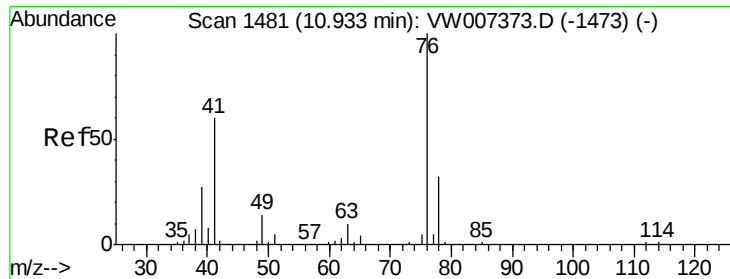
Tot Ion:	97	Resp:	12283
Ion	Ratio	Lower	Upper
97	100		
83	85.0	62.1	93.1
85	59.4	44.2	66.4
99	65.1	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 24.381 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Tgt Ion:	69	Resp:	15017
Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.6
39	36.8	30.8	46.2

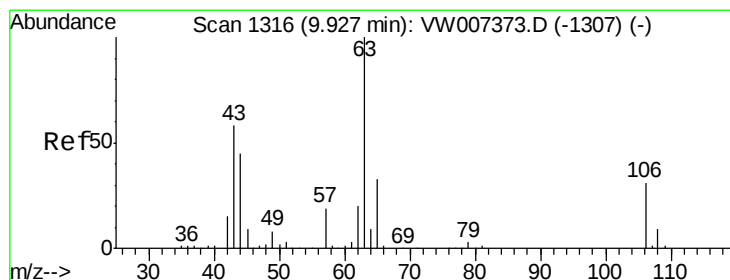
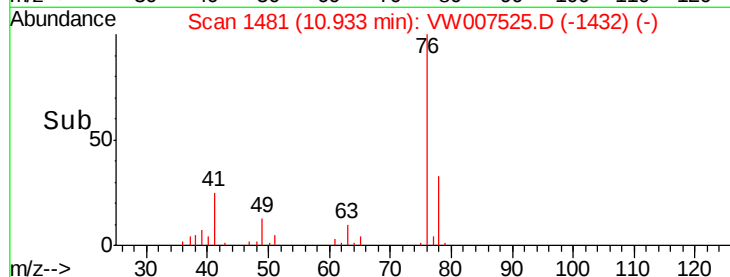
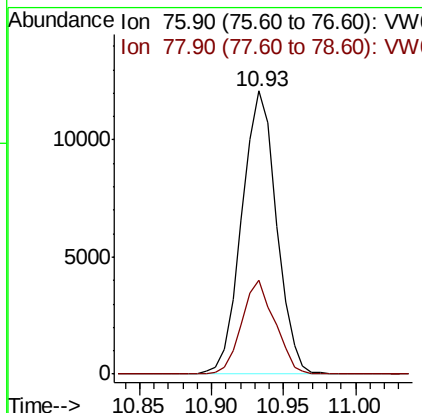
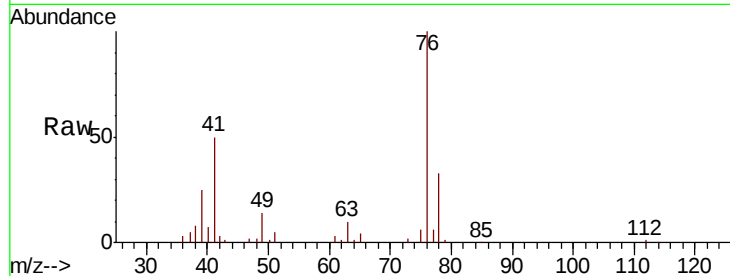




#57
 1,3-Dichloropropane
 Concen: 24.011 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

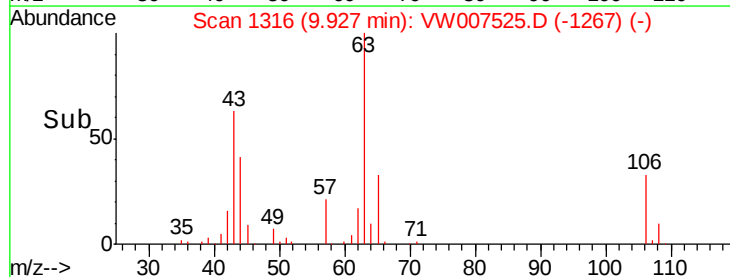
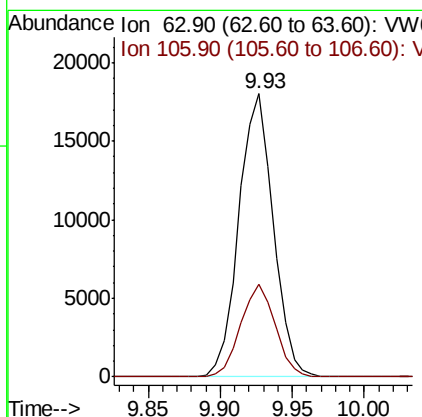
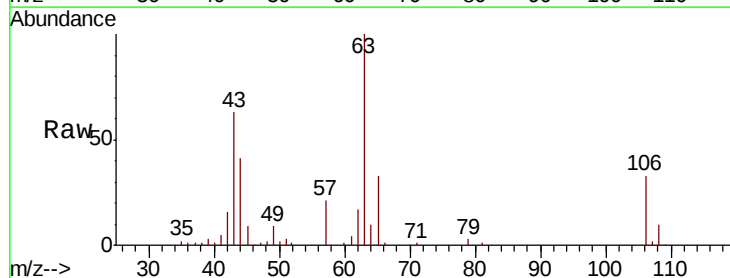
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD01

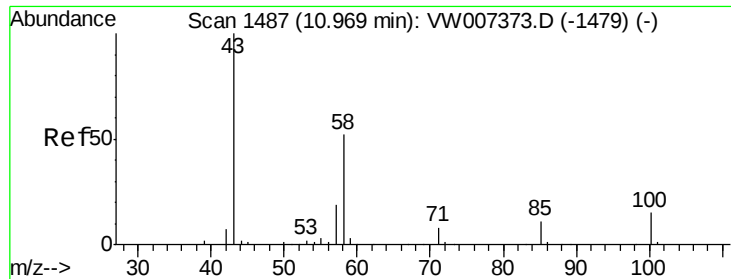
Tot Ion: 76 Resp: 20195
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.076 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Tgt Ion: 63 Resp: 29845
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.0 37.6





#59

2-Hexanone

Concen: 118.262 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

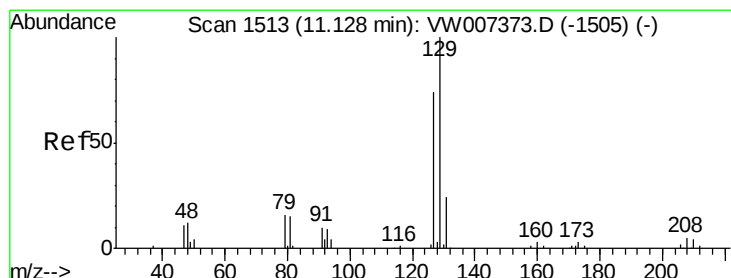
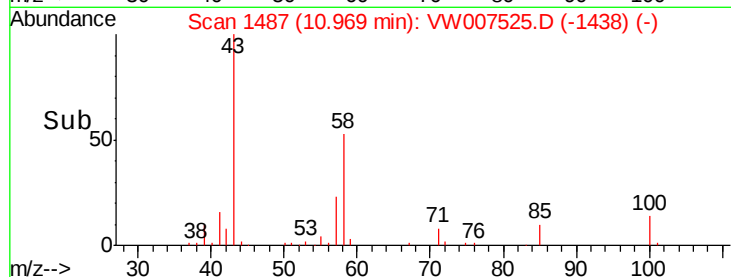
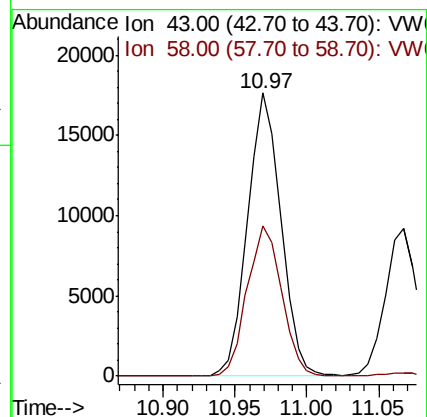
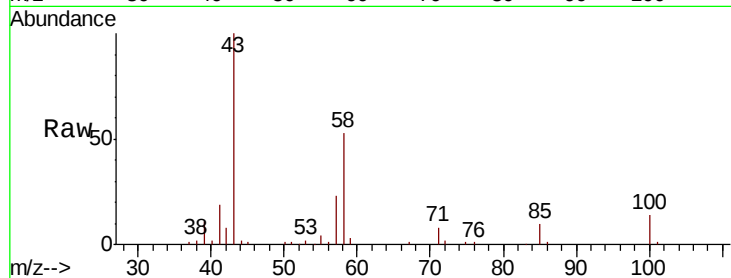
VW1217SBSD01

Tot Ion: 43 Resp: 28261

Ion Ratio Lower Upper

43 100

58 54.9 27.1 81.3



#60

Dibromochloromethane

Concen: 24.257 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007525.D

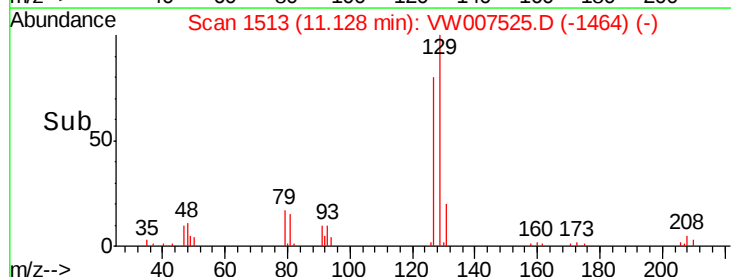
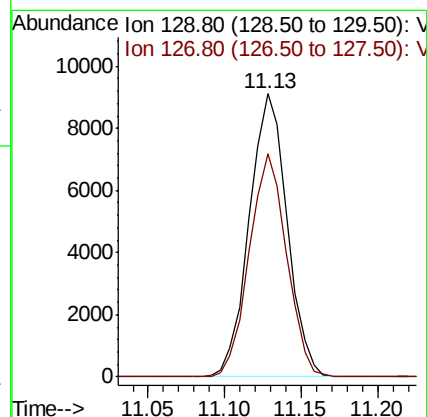
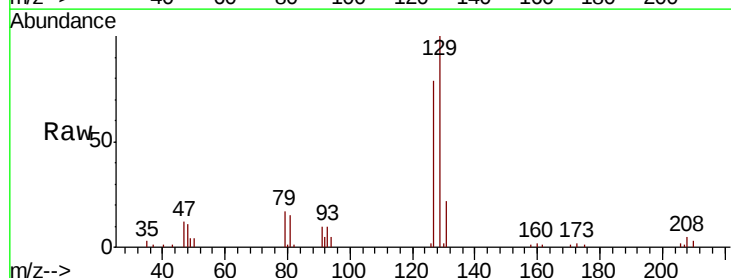
Acq: 14 Dec 2018 10:49

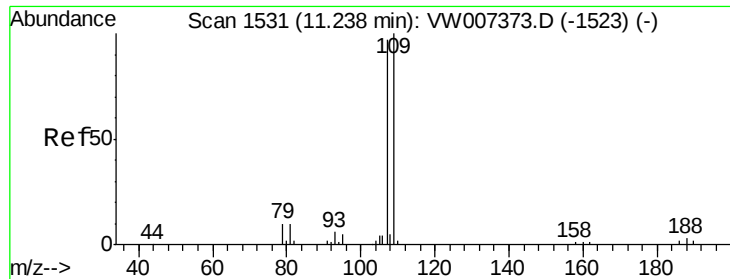
Tgt Ion: 129 Resp: 15687

Ion Ratio Lower Upper

129 100

127 77.7 38.1 114.3

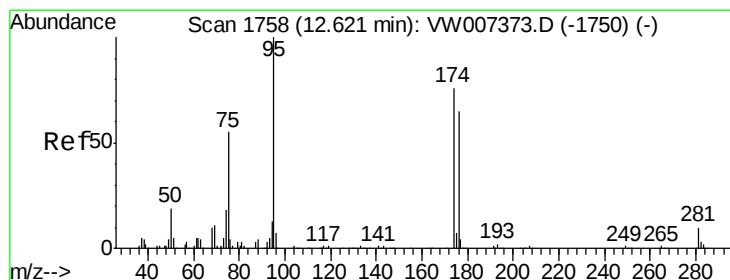
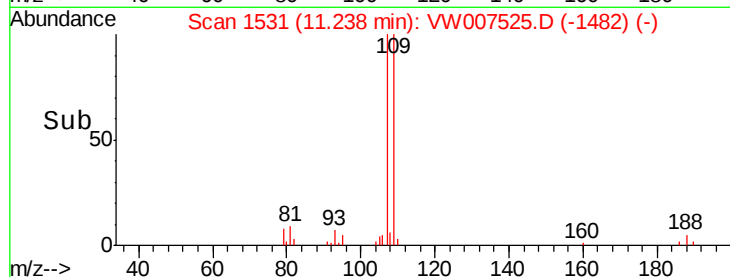
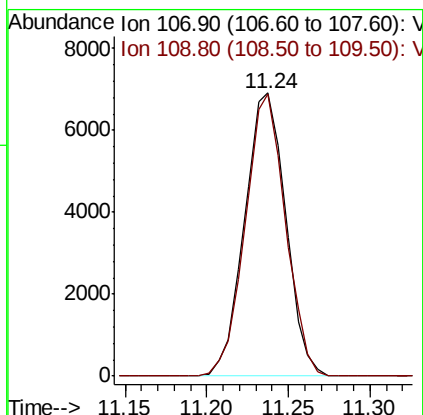
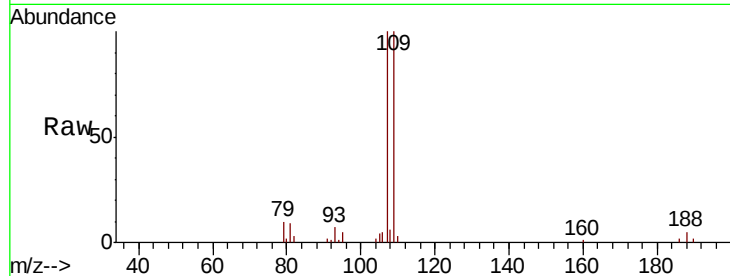




#61
 1,2-Dibromoethane
 Concen: 24.030 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

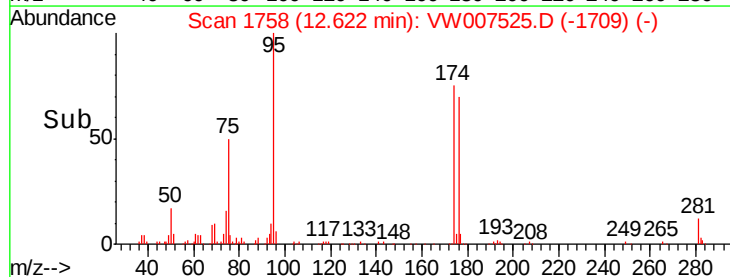
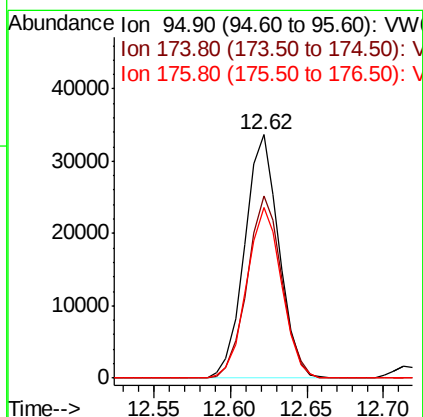
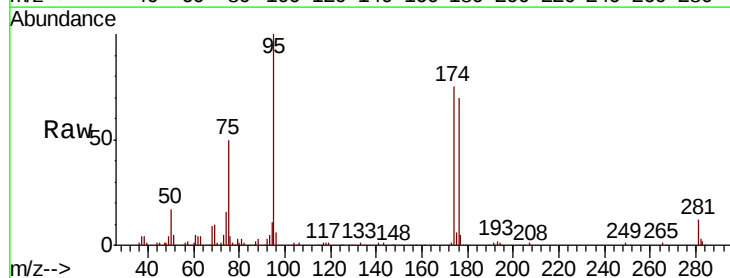
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD01

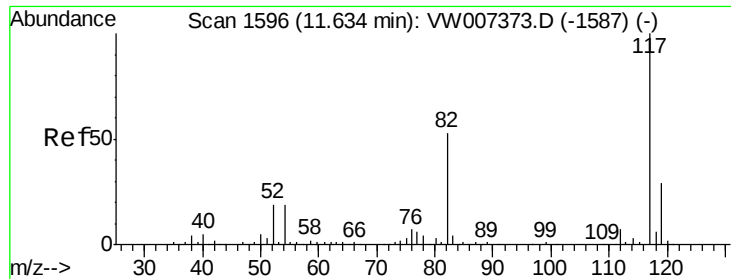
Tot Ion:107 Resp: 12169
 Ion Ratio Lower Upper
 107 100
 109 97.2 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 55.449 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Tgt Ion: 95 Resp: 52367
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 147.2
 176 71.5 0.0 138.8

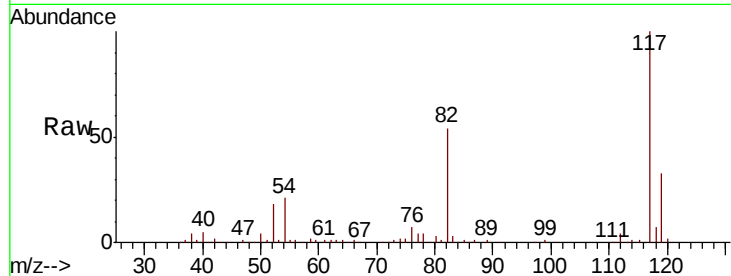




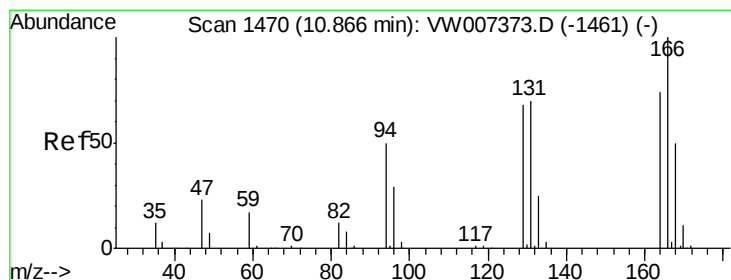
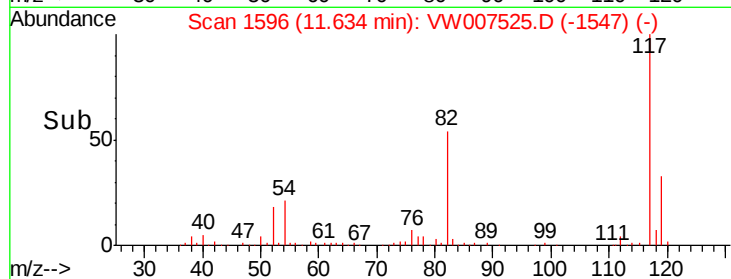
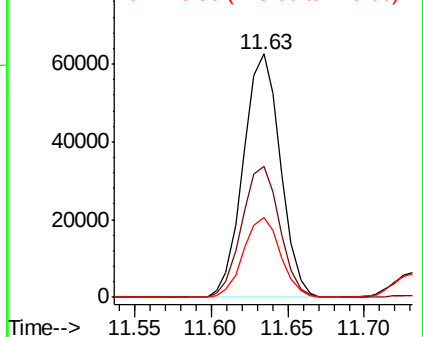
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

Tot Ion:117 Resp: 105751
Ion Ratio Lower Upper
117 100
82 54.0 42.3 63.5
119 32.6 23.0 34.6



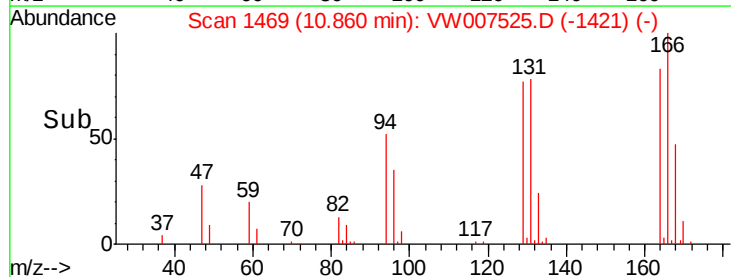
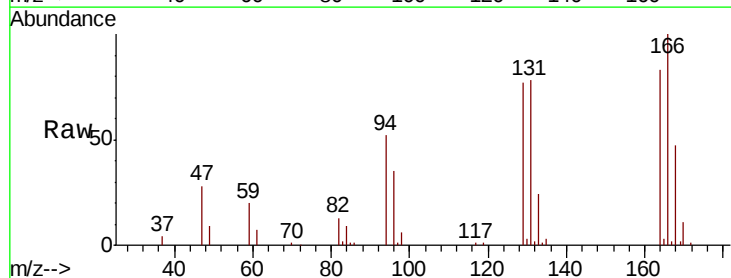
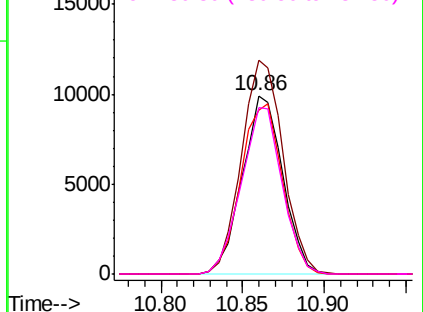
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

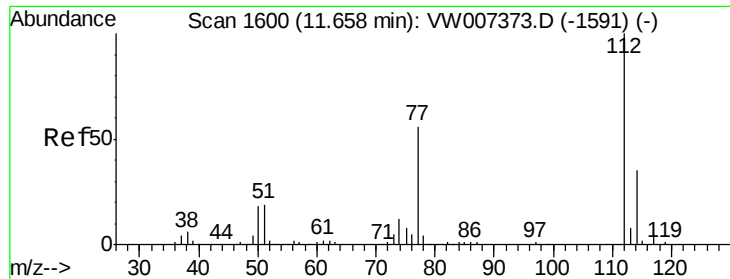


#64
Tetrachloroethene
Concen: 22.547 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion:164 Resp: 17147
Ion Ratio Lower Upper
164 100
166 119.9 107.9 161.9
129 92.1 73.4 110.2
131 93.4 75.8 113.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

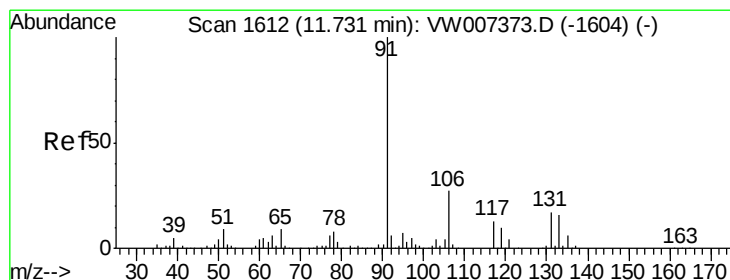
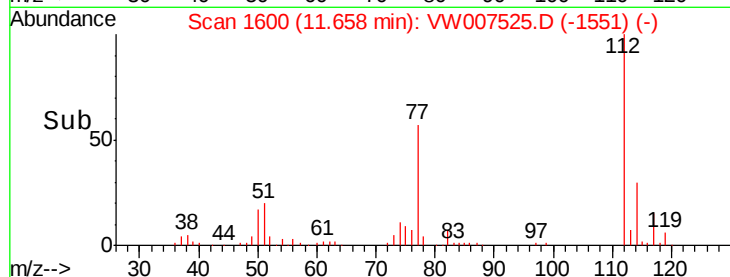
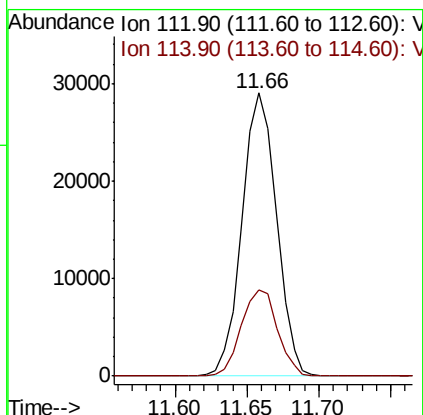
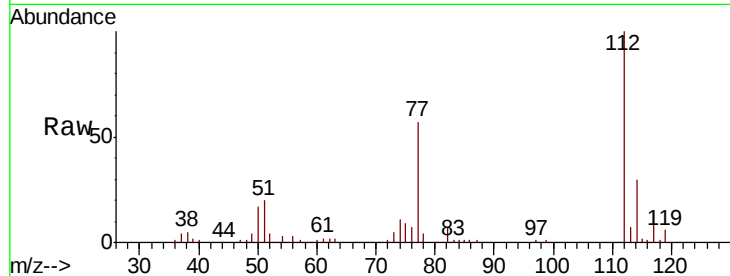




#65
Chlorobenzene
Concen: 21.847 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

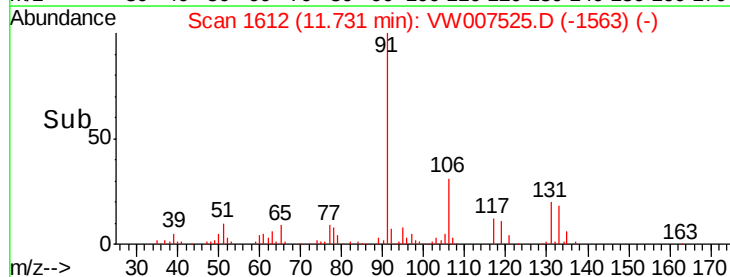
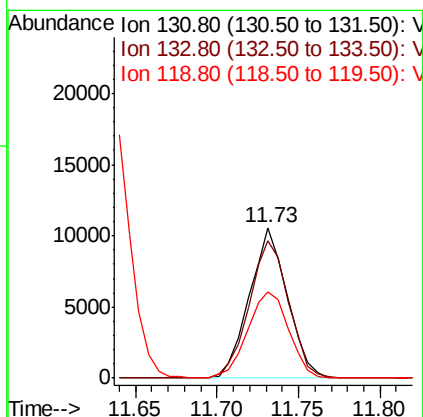
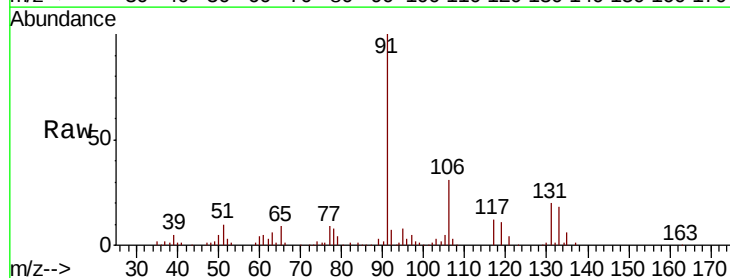
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

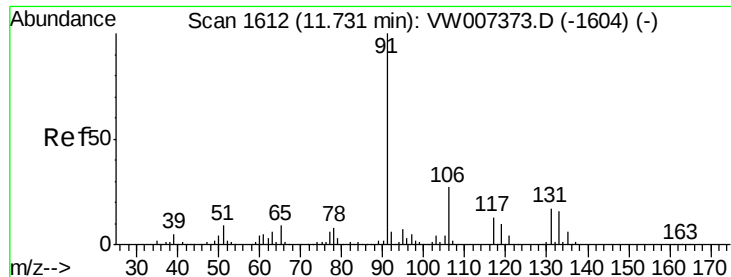
Tot Ion:112 Resp: 48154
Ion Ratio Lower Upper
112 100
114 30.3 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.036 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion:131 Resp: 17107
Ion Ratio Lower Upper
131 100
133 94.6 47.1 141.4
119 62.1 31.3 93.9

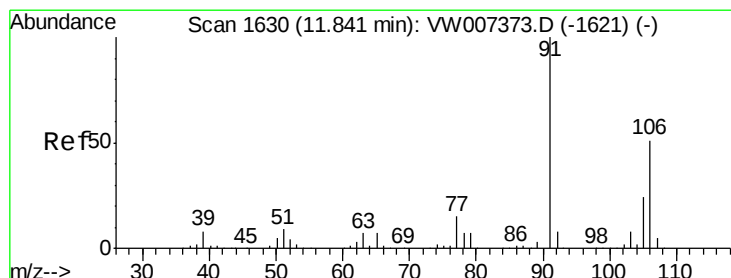
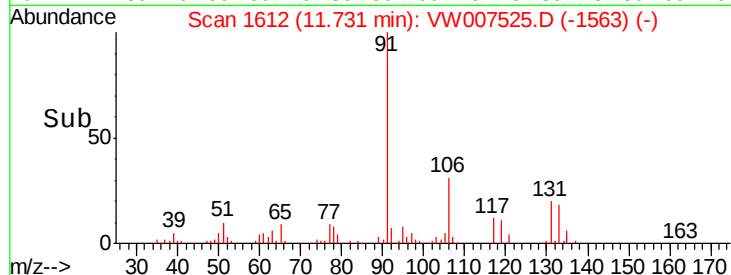
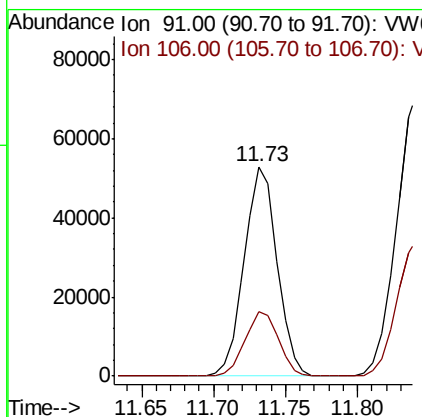
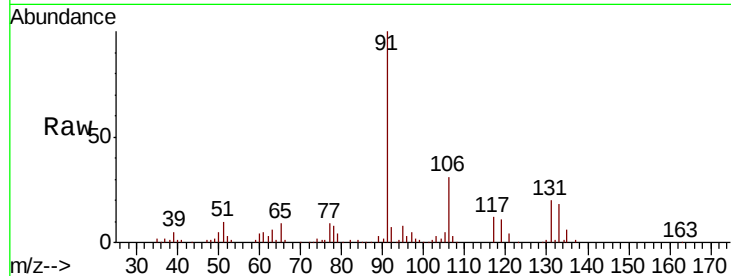




#67
Ethyl Benzene
Concen: 22.020 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

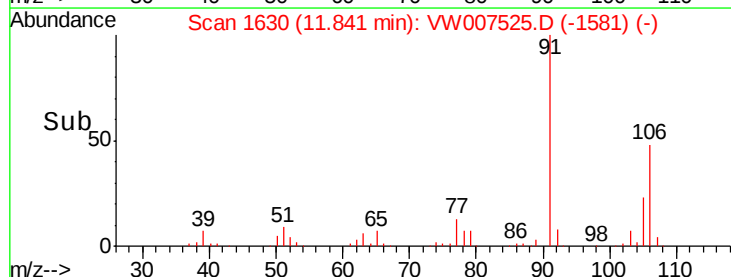
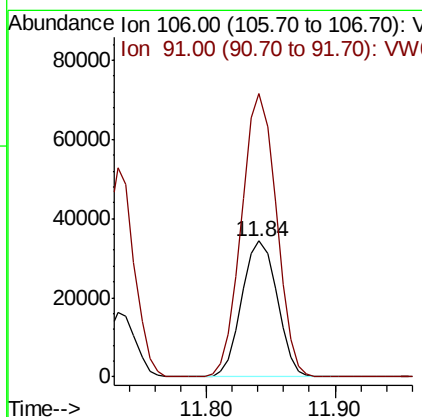
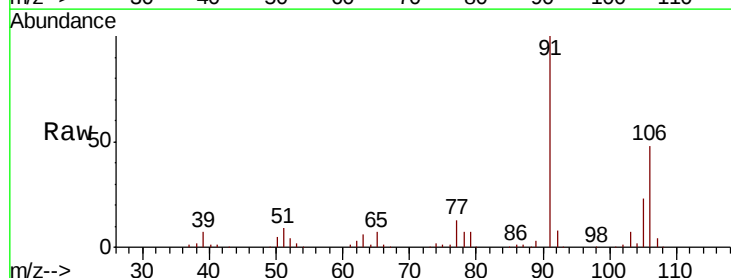
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

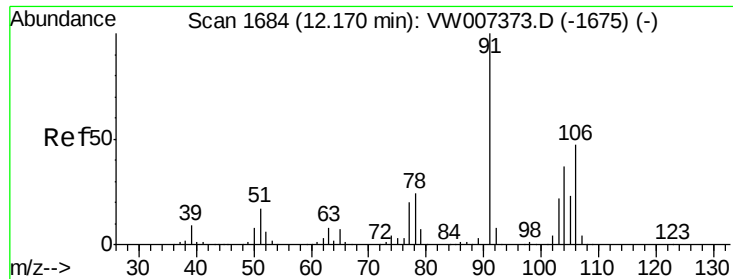
Tot Ion: 91 Resp: 83446
Ion Ratio Lower Upper
91 100
106 31.0 21.8 32.8



#68
m/p-Xylenes
Concen: 44.408 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 106 Resp: 65423
Ion Ratio Lower Upper
106 100
91 204.8 165.3 247.9

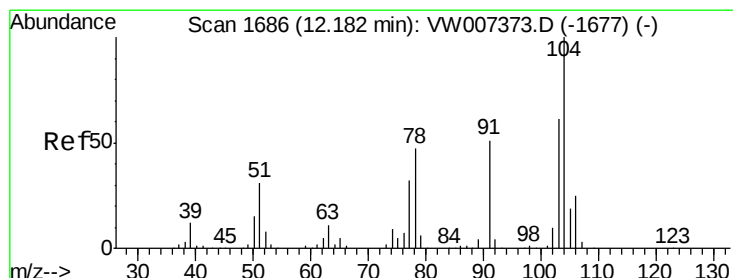
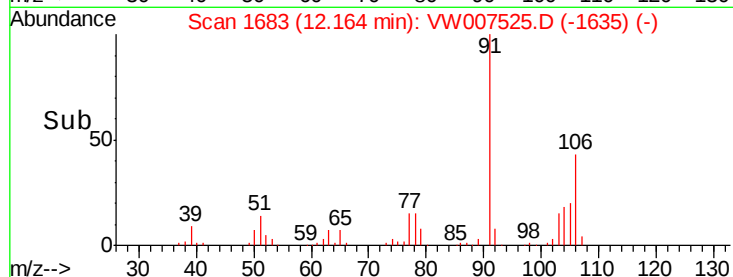
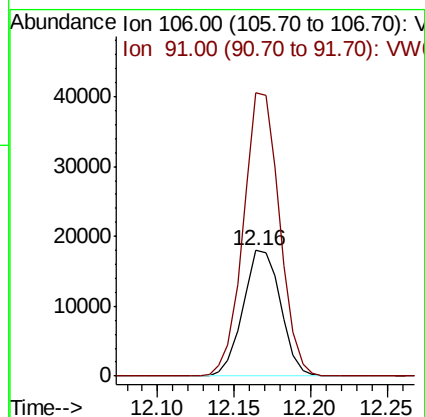
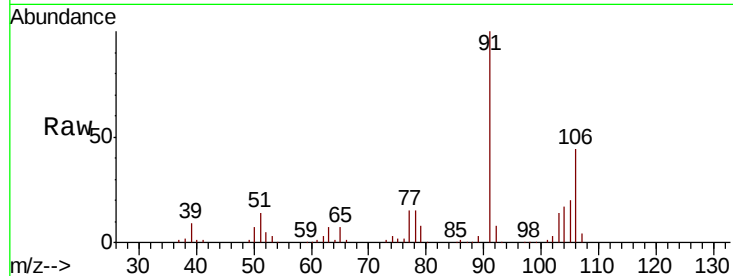




#69
o-Xylene
Concen: 22.318 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

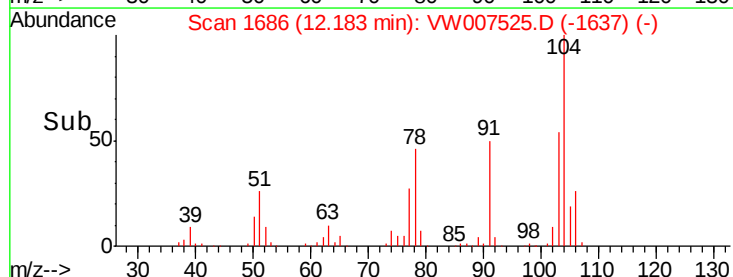
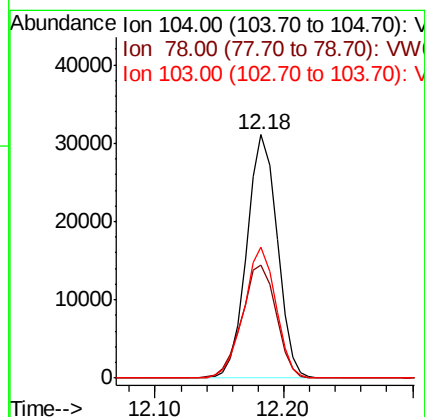
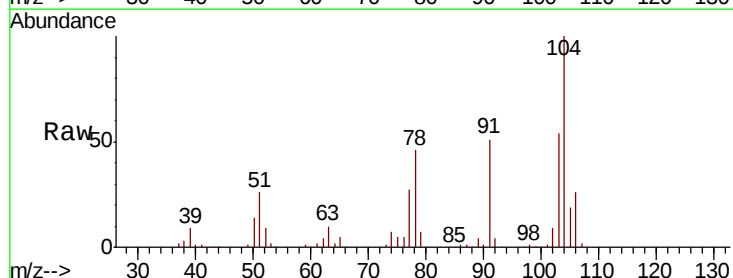
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

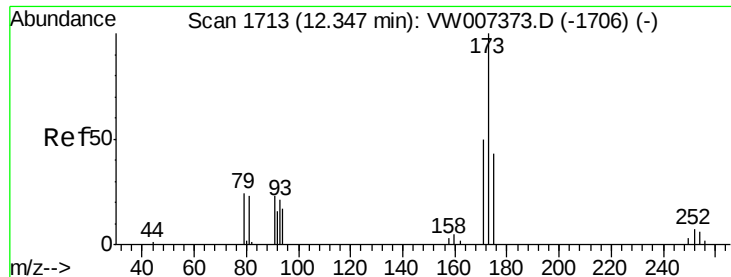
Tot Ion:106 Resp: 30708
Ion Ratio Lower Upper
106 100
91 216.3 106.6 319.8



#70
Styrene
Concen: 22.829 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion:104 Resp: 50735
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.8
103 56.2 46.6 69.8





#71

Bromoform

Concen: 22.952 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD01

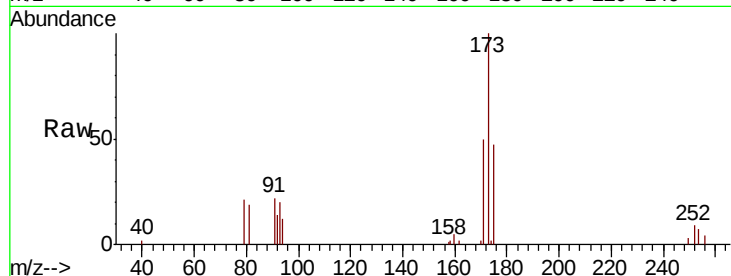
Tot Ion:173 Resp: 9120

Ion Ratio Lower Upper

173 100

175 45.3 23.6 70.8

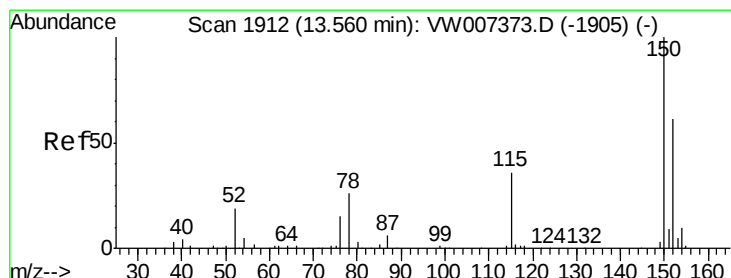
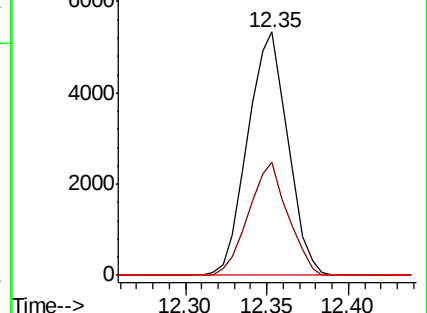
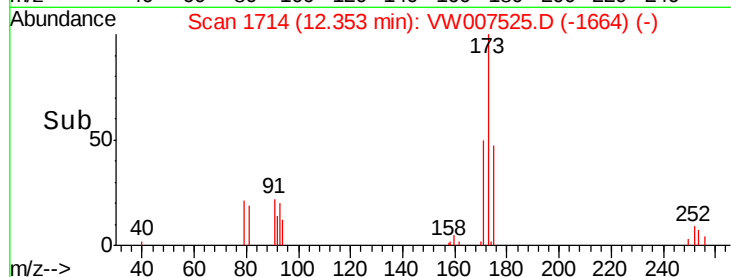
254 0.0 0.0 0.0



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: VW007525.D

Acq: 14 Dec 2018 10:49

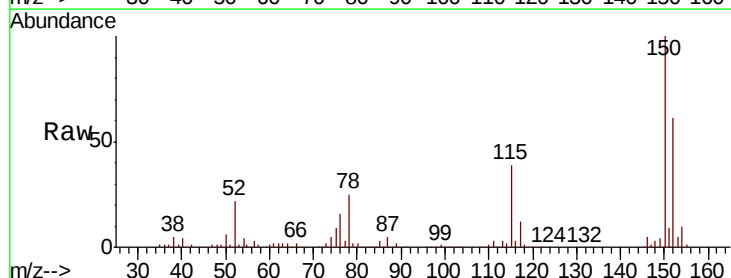
Tgt Ion:152 Resp: 52746

Ion Ratio Lower Upper

152 100

115 61.9 31.4 94.2

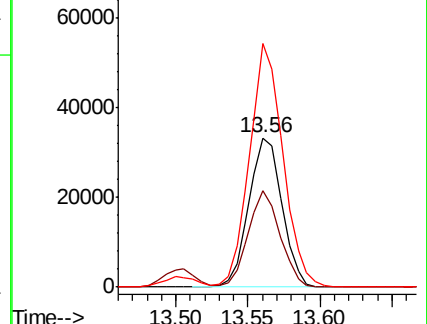
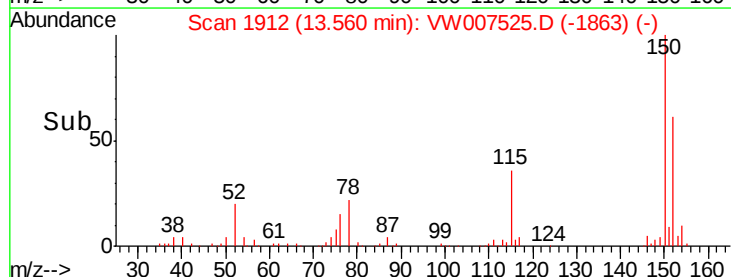
150 164.3 0.0 358.4

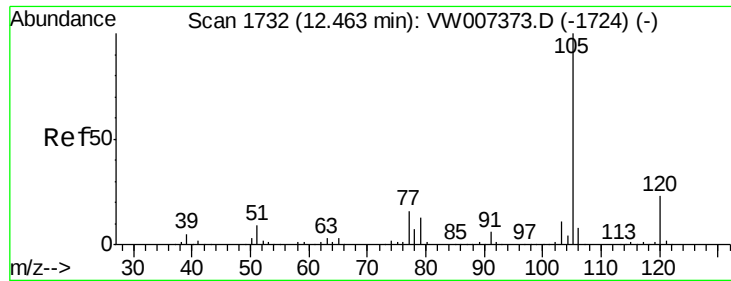


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.476 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

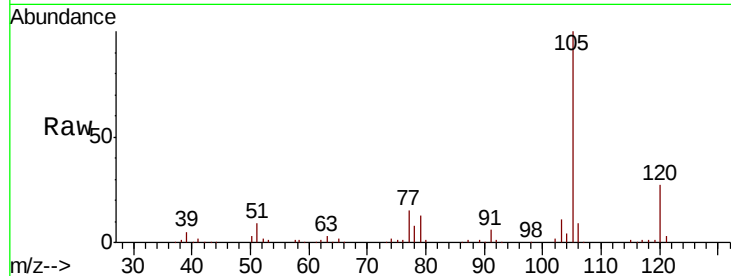
VW1217SBSD01

Tot Ion:105 Resp: 86798

Ion Ratio Lower Upper

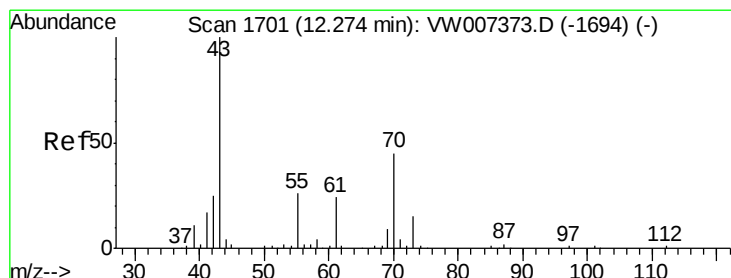
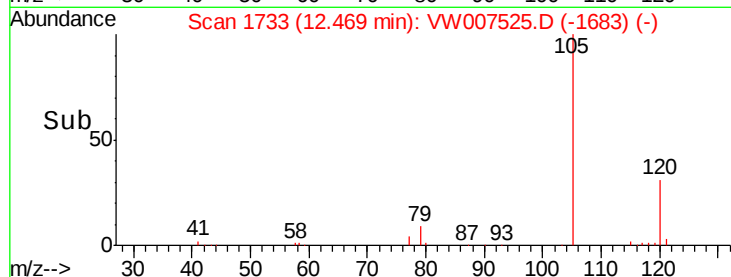
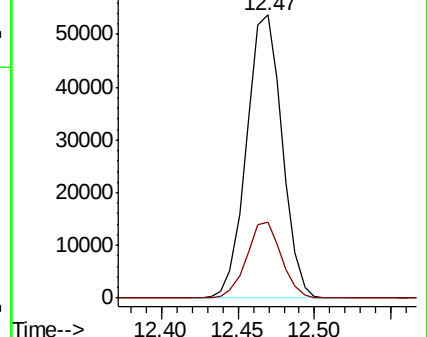
105 100

120 26.1 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: 21.368 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Tgt Ion: 43 Resp: 15695

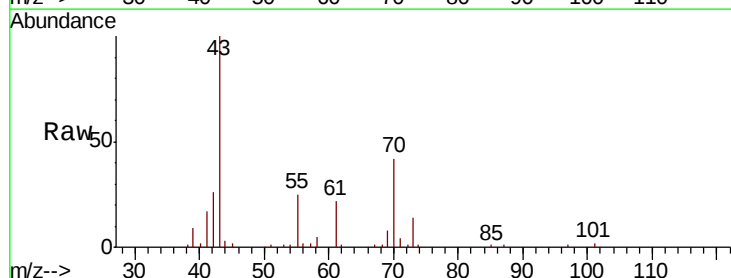
Ion Ratio Lower Upper

43 100

70 45.2 36.5 54.7

55 24.9 20.1 30.1

61 24.6 19.3 28.9

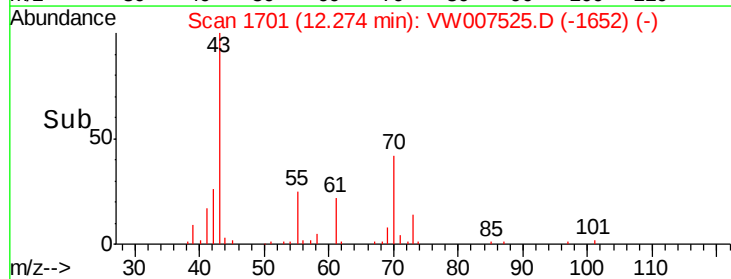
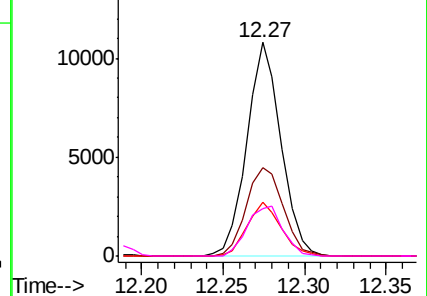


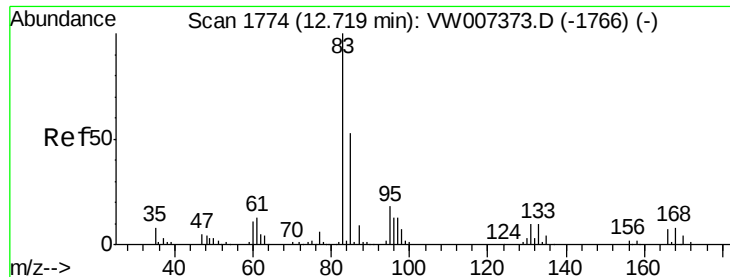
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 23.708 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD01

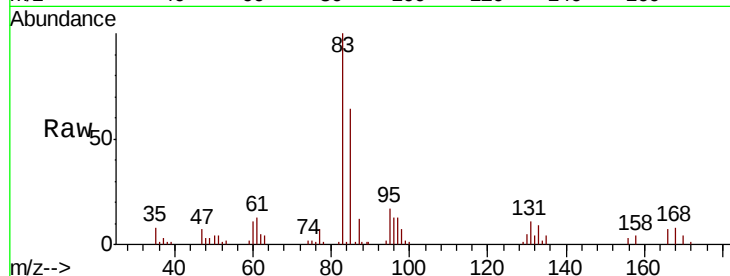
Tot Ion: 83 Resp: 14192

Ion Ratio Lower Upper

83 100

131 12.1 5.9 17.8

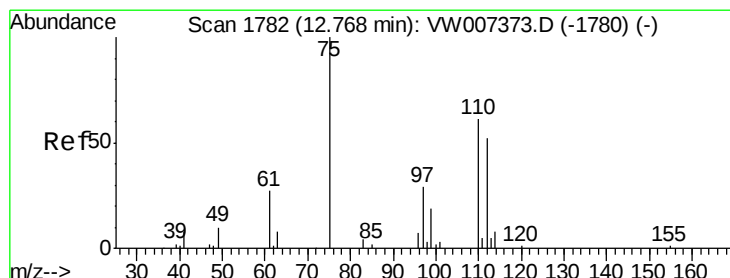
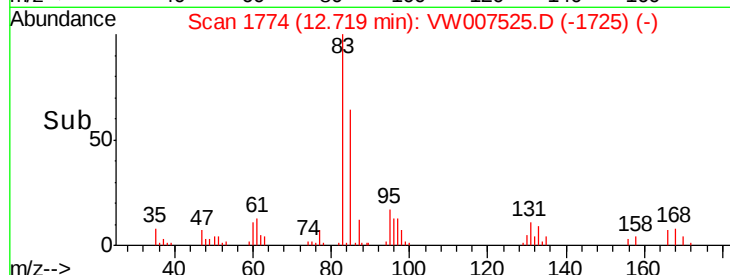
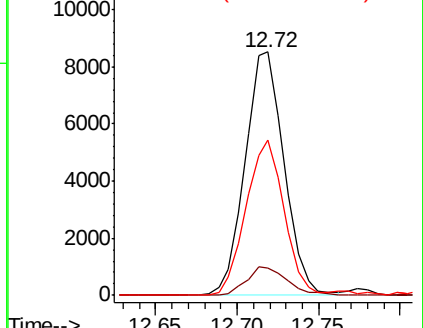
85 62.0 30.0 90.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 44.111 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW007525.D

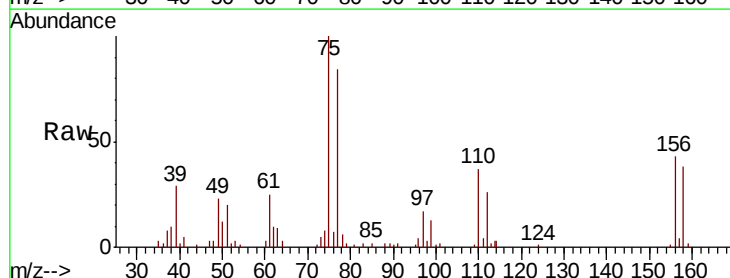
Acq: 14 Dec 2018 10:49

Tgt Ion: 75 Resp: 19184

Ion Ratio Lower Upper

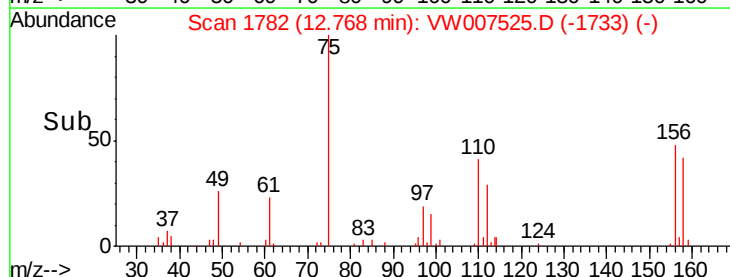
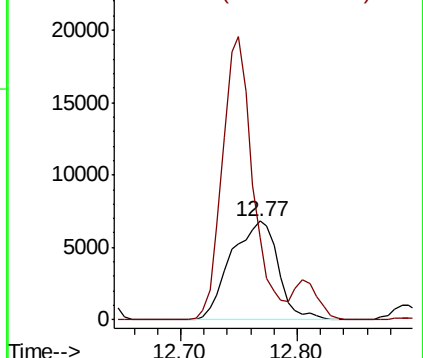
75 100

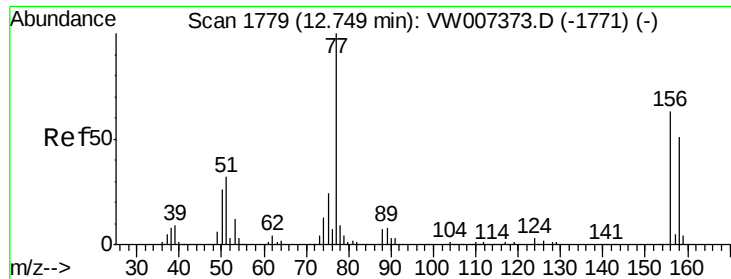
77 186.7 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.085 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD01

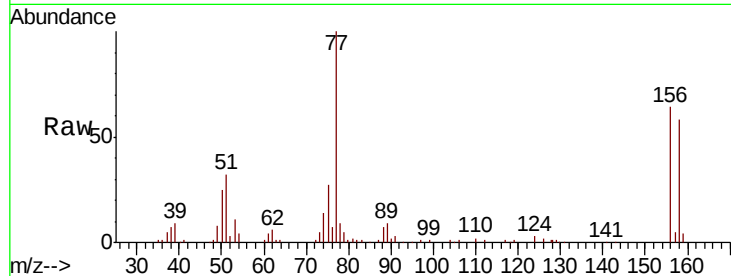
Tot Ion:156 Resp: 19785

Ion Ratio Lower Upper

156 100

77 181.1 88.1 264.4

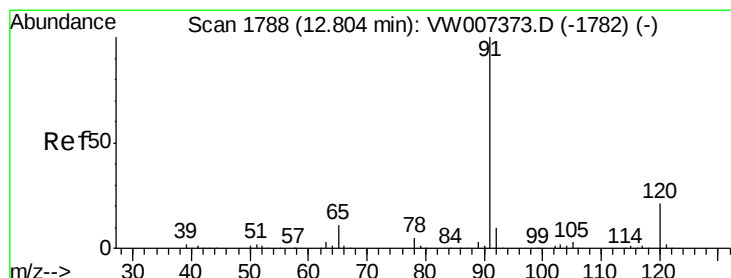
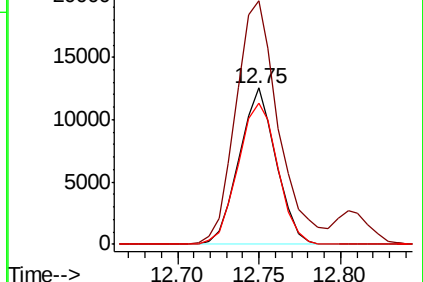
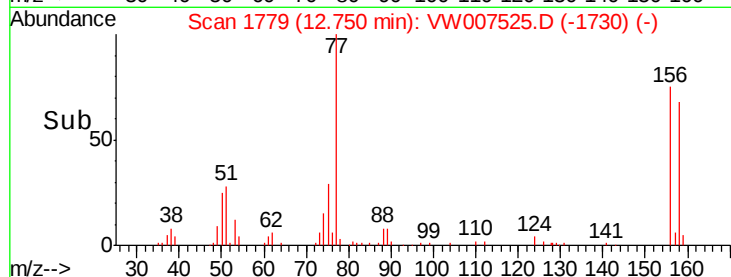
158 96.8 45.6 136.7



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: 22.132 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW007525.D

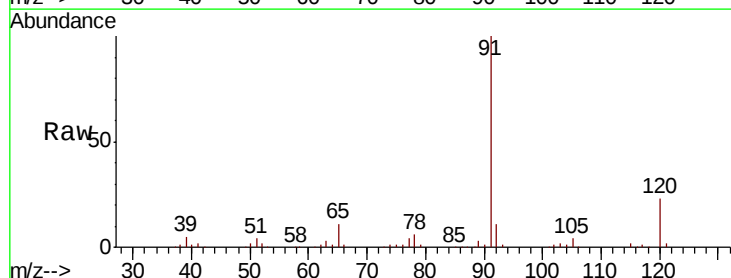
Acq: 14 Dec 2018 10:49

Tgt Ion: 91 Resp: 100664

Ion Ratio Lower Upper

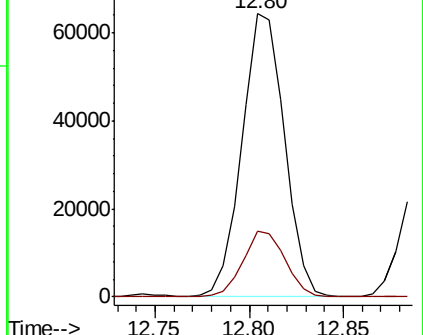
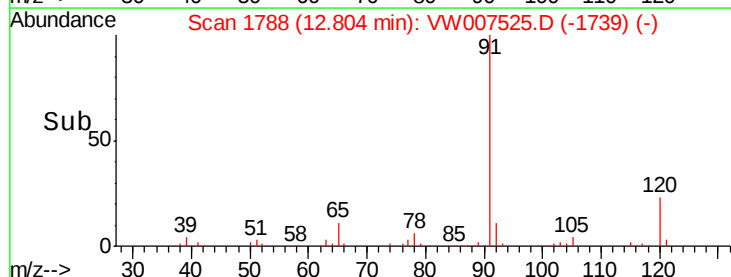
91 100

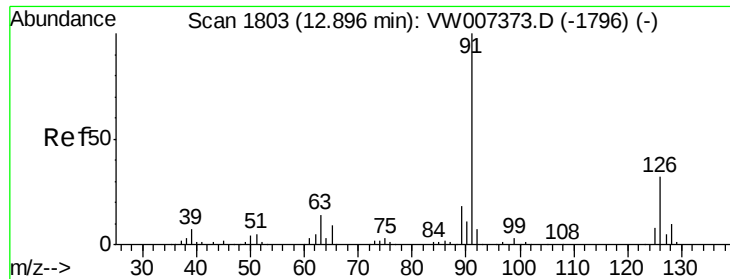
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

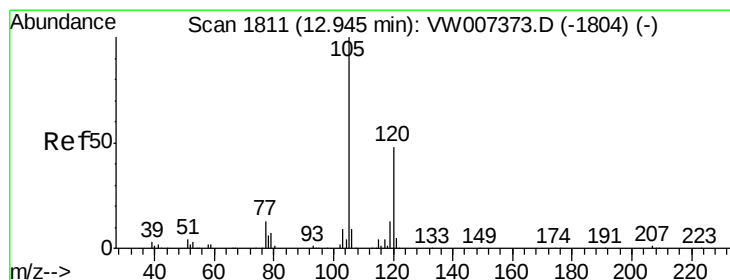
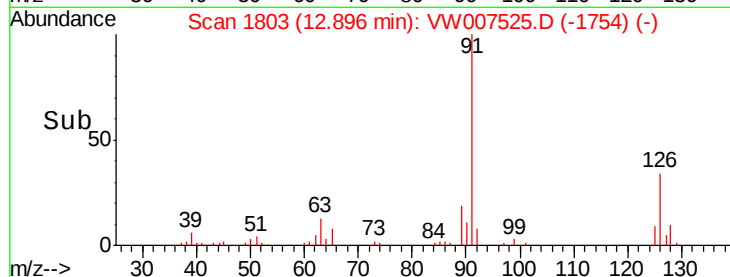
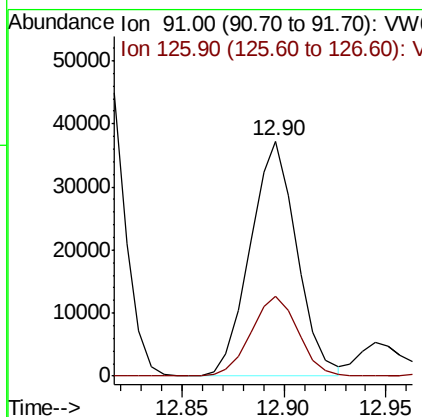
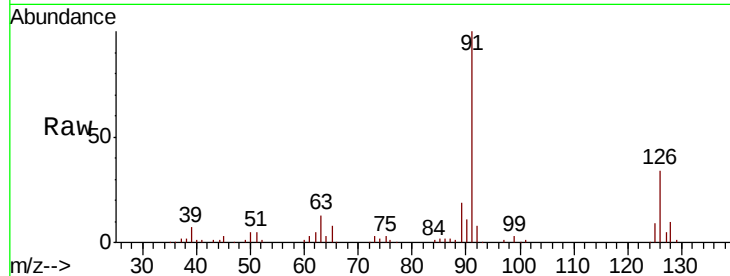




#79
 2-Chlorotoluene
 Concen: 21.501 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

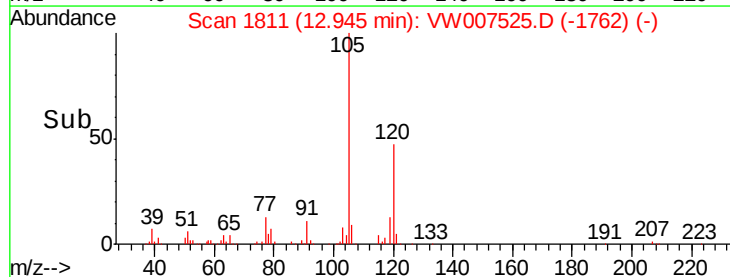
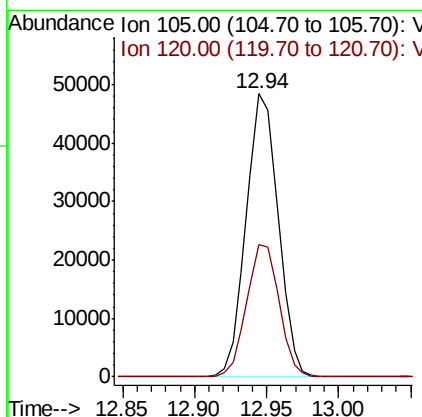
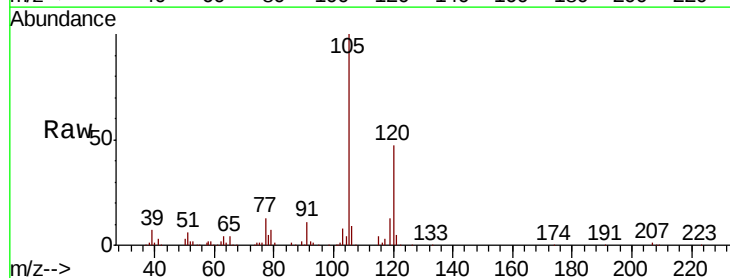
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD01

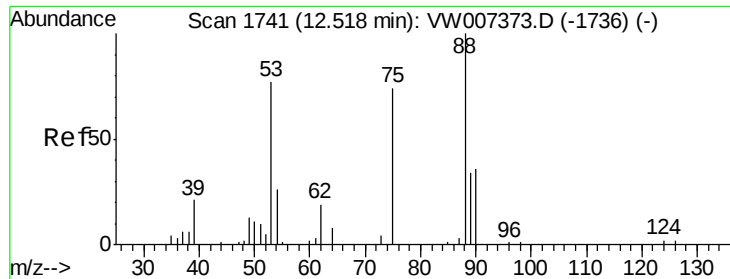
Tot Ion: 91 Resp: 59174
 Ion Ratio Lower Upper
 91 100
 126 34.4 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.999 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Tgt Ion:105 Resp: 74709
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.8 71.4

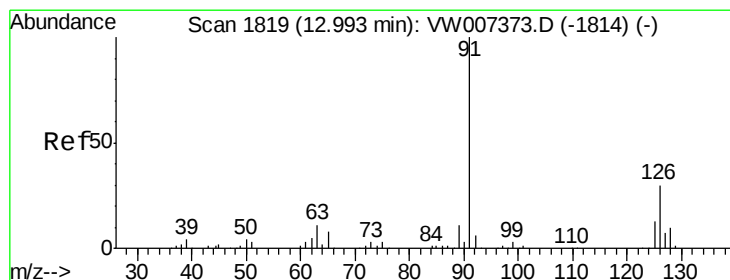
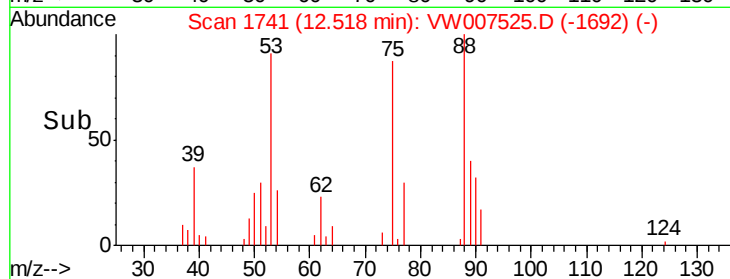
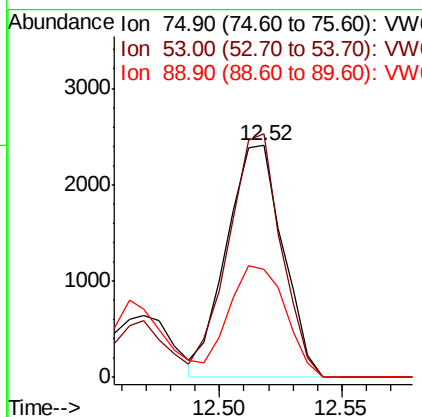
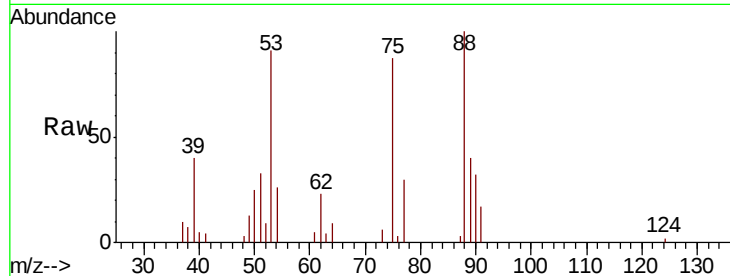




#81
trans-1,4-Dichloro-2-butene
Concen: 19.636 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

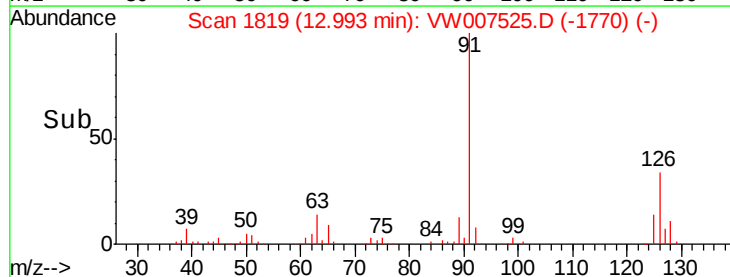
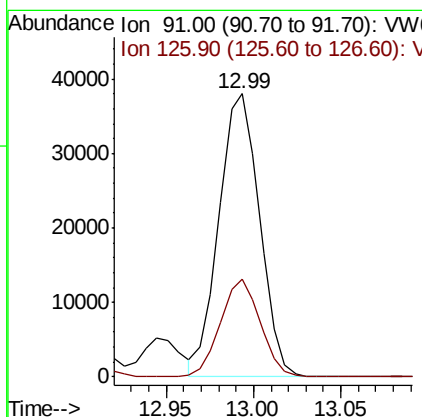
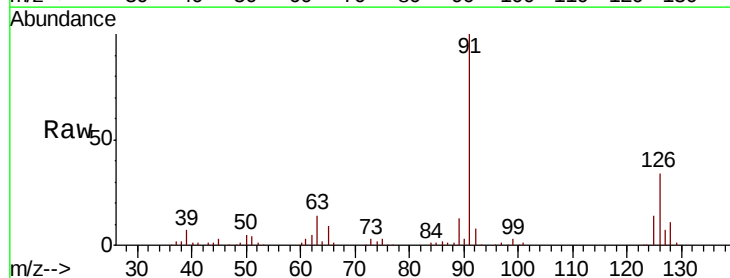
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD01

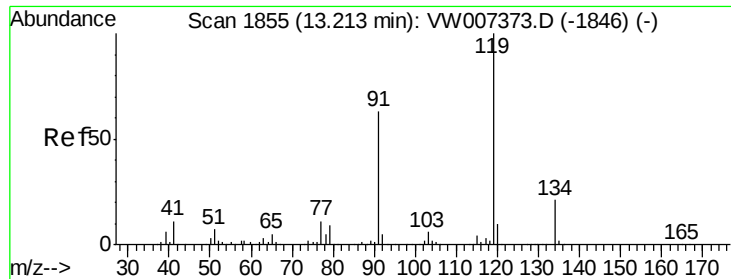
Tot Ion: 75 Resp: 3866
Ion Ratio Lower Upper
75 100
53 98.4 84.9 127.3
89 48.1 40.3 60.5



#82
4-Chlorotoluene
Concen: 21.149 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 91 Resp: 61354
Ion Ratio Lower Upper
91 100
126 33.7 16.0 48.0

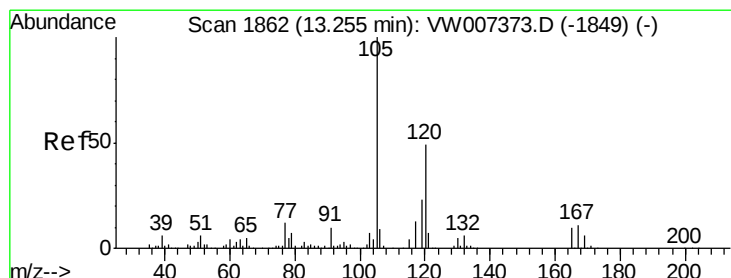
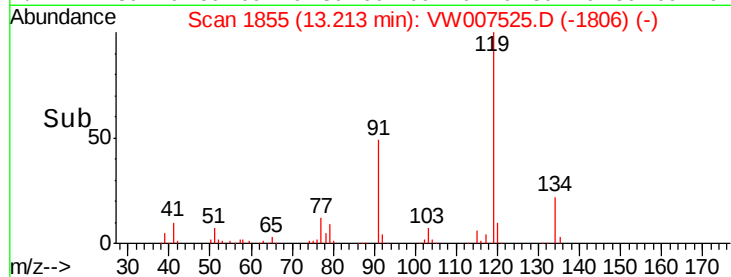
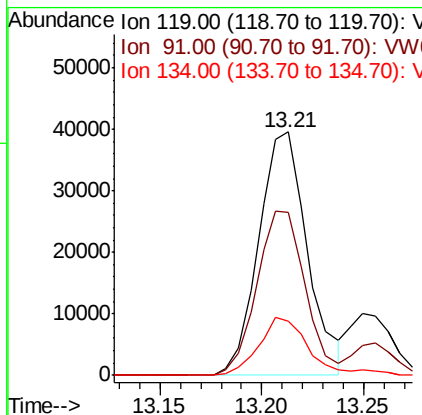
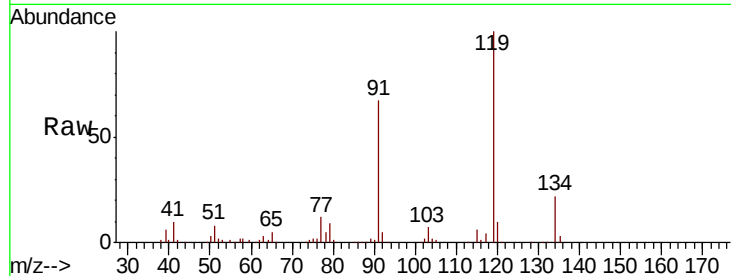




#83
 tert-Butylbenzene
 Concen: 21.996 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

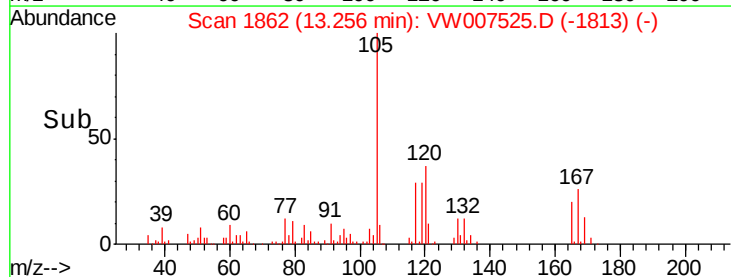
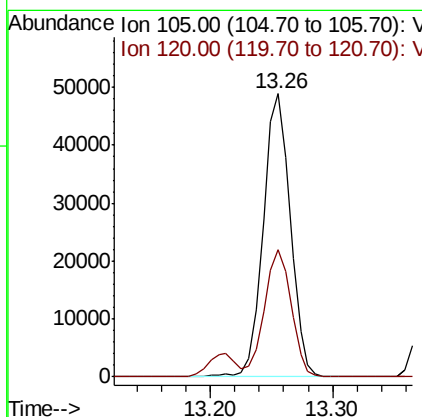
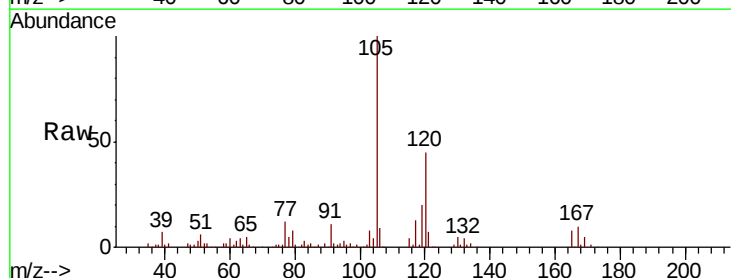
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD01

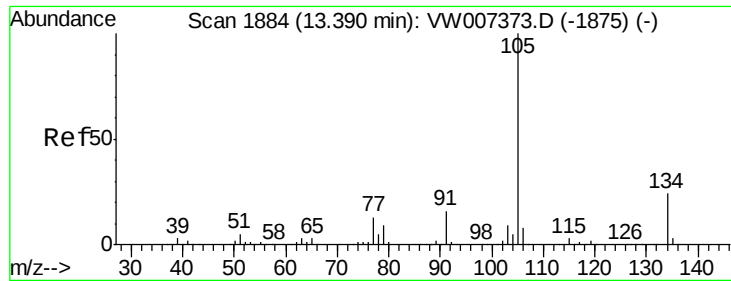
Tot Ion:119 Resp: 65820
 Ion Ratio Lower Upper
 119 100
 91 67.0 33.1 99.2
 134 23.4 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.594 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Tgt Ion:105 Resp: 75463
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.6 67.7





#85

sec-Butylbenzene

Concen: 22.134 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

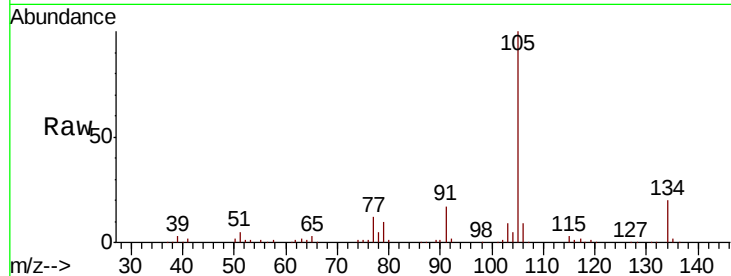
VW1217SBSD01

Tot Ion:105 Resp: 90414

Ion Ratio Lower Upper

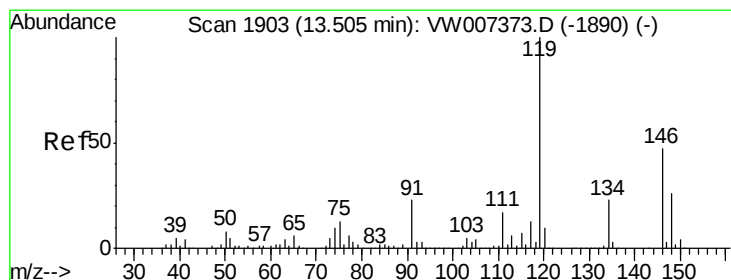
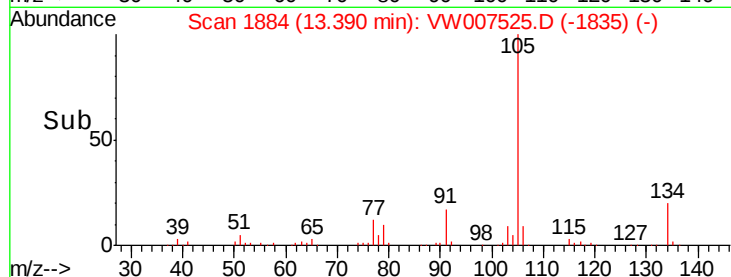
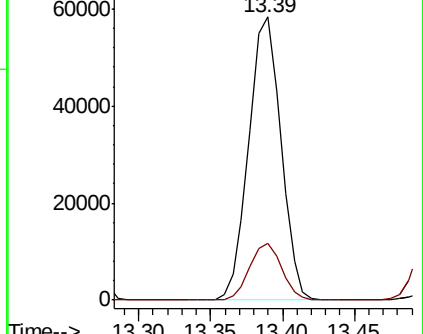
105 100

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: 21.983 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

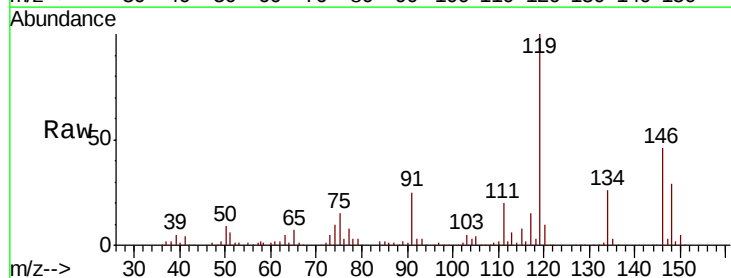
Tgt Ion:119 Resp: 80673

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

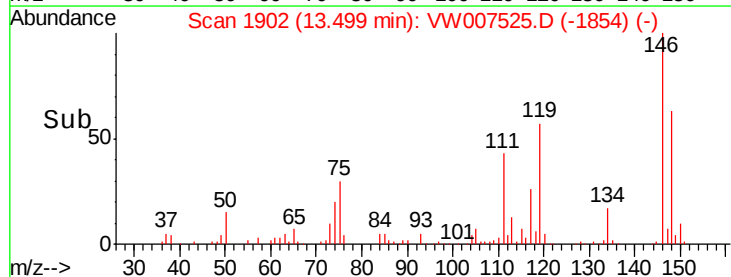
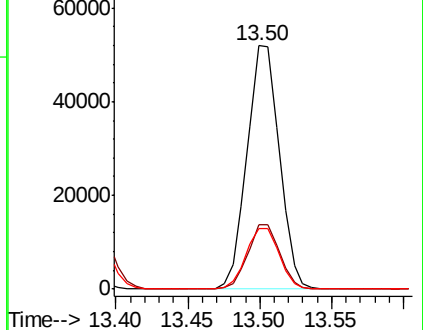
91 25.5 11.9 35.9

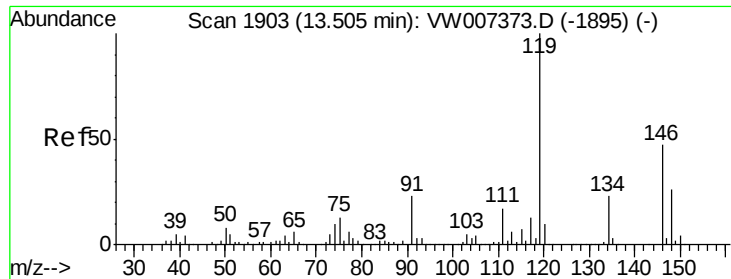


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.023 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

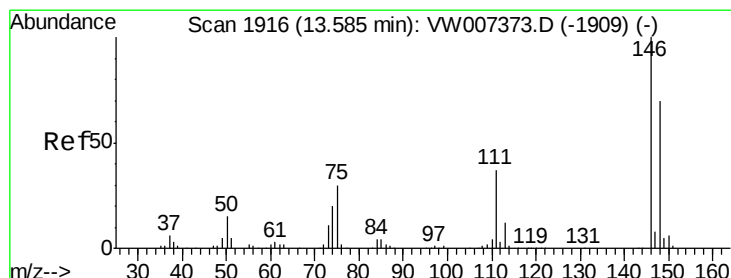
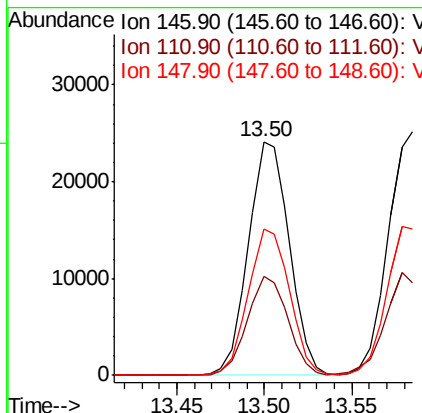
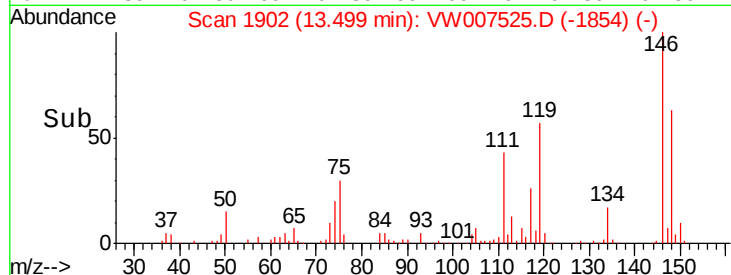
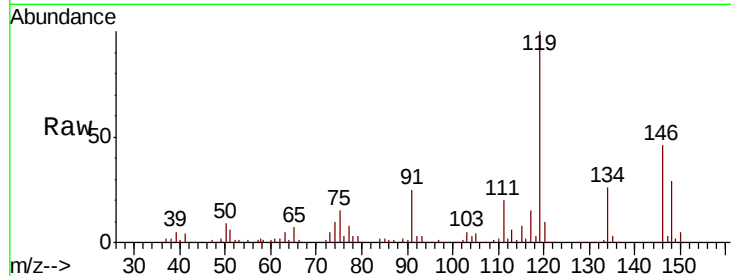
MSVOA_W

ClientSampleId :

VW1217SBSD01

Tot Ion:146 Resp: 39337

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.1	60.3
148	62.9	31.4	94.0



#88

1,4-Dichlorobenzene

Concen: 21.949 ug/l

RT: 13.58 min Scan# 1916

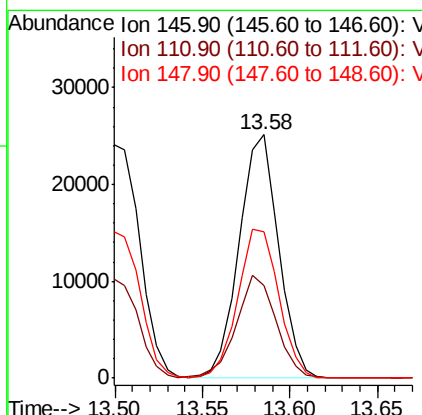
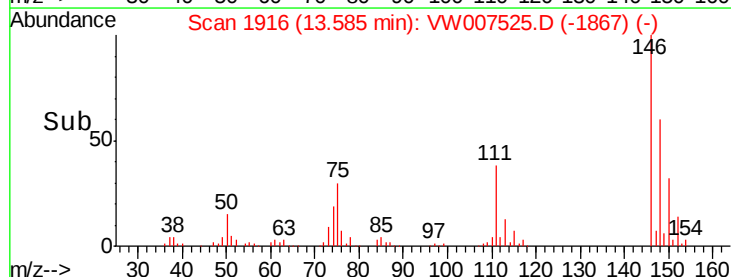
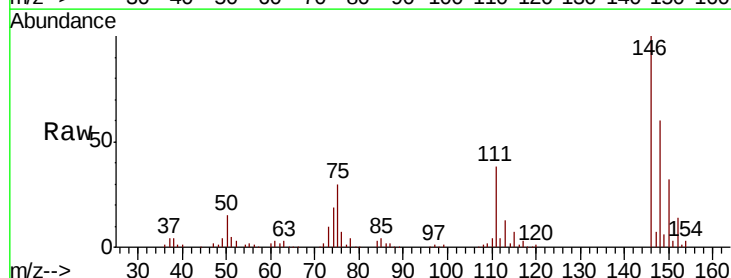
Delta R.T. 0.00 min

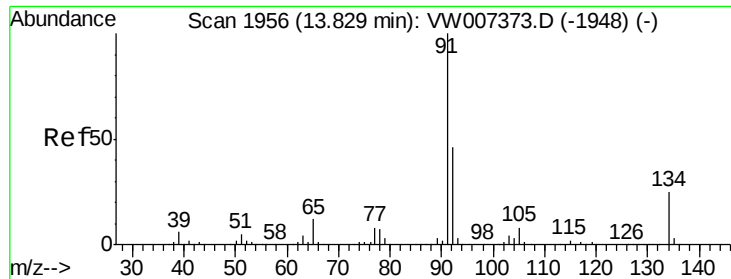
Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Tgt Ion:146 Resp: 39413

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.3	61.0
148	63.5	33.5	100.5

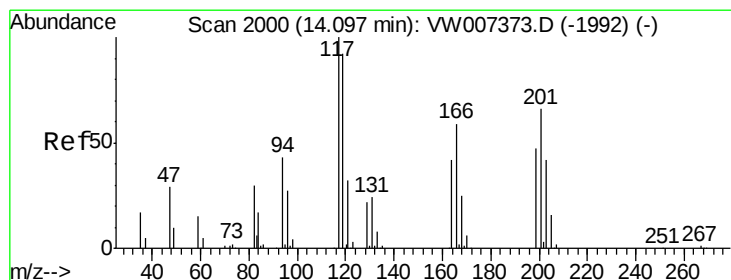
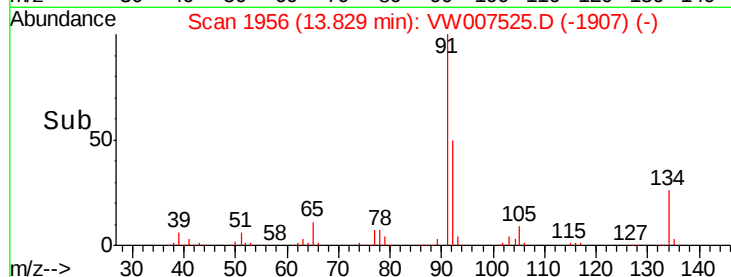
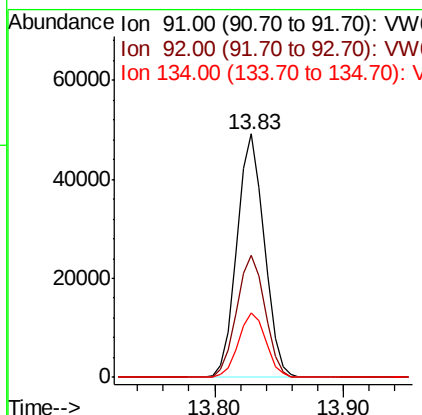
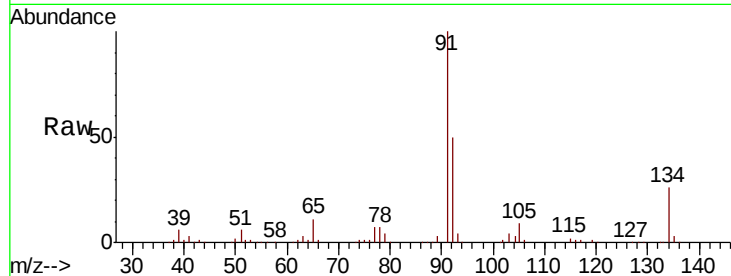




#89
n-Butylbenzene
Concen: 21.298 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

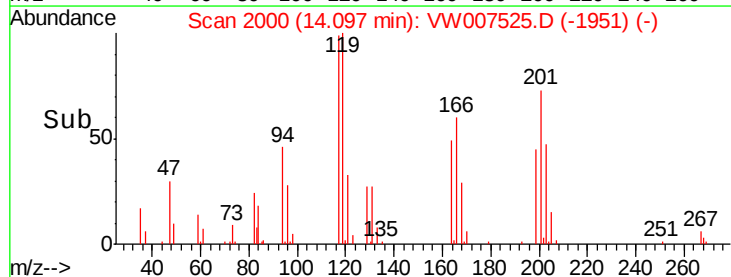
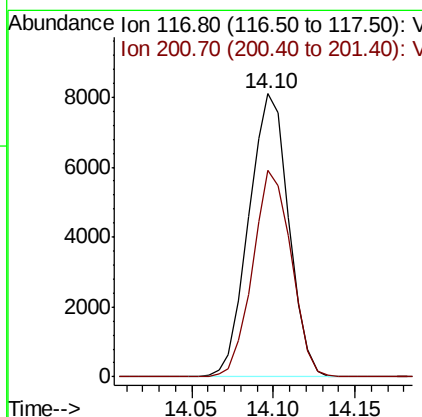
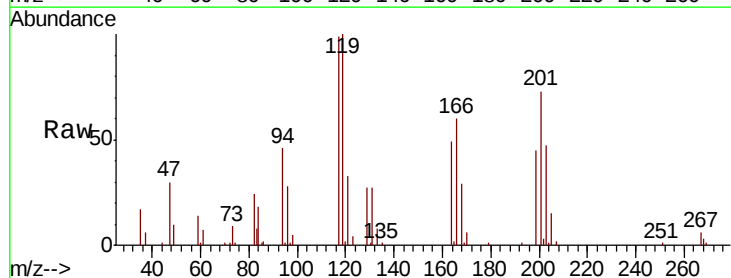
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS01

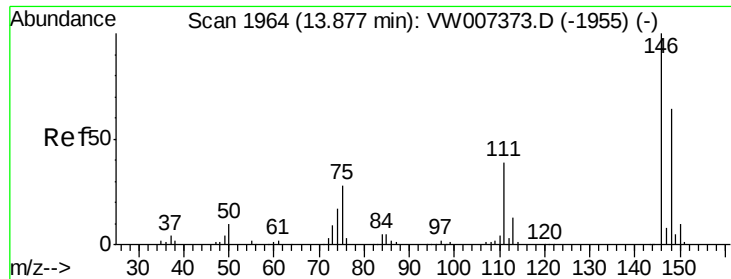
Tot Ion: 91 Resp: 72455
Ion Ratio Lower Upper
91 100
92 51.9 25.7 77.1
134 26.5 13.4 40.2



#90
Hexachloroethane
Concen: 21.080 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007525.D
Acq: 14 Dec 2018 10:49

Tgt Ion: 117 Resp: 13764
Ion Ratio Lower Upper
117 100
201 70.9 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 21.686 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS01

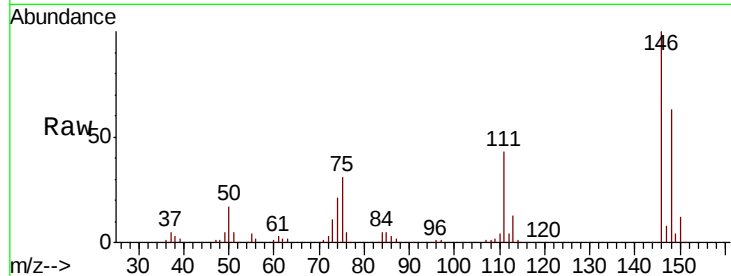
Tot Ion:146 Resp: 34694

Ion Ratio Lower Upper

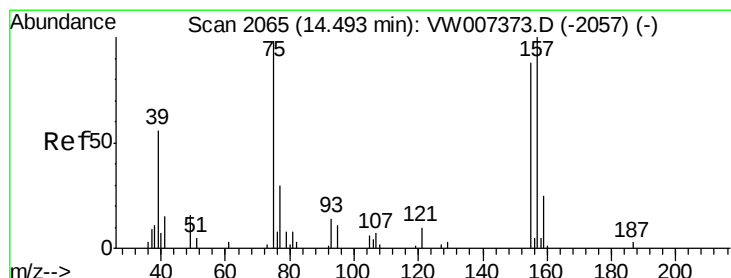
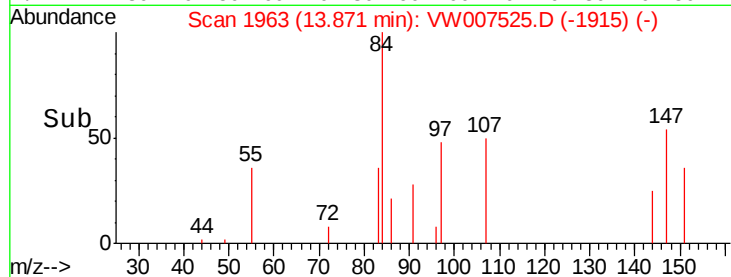
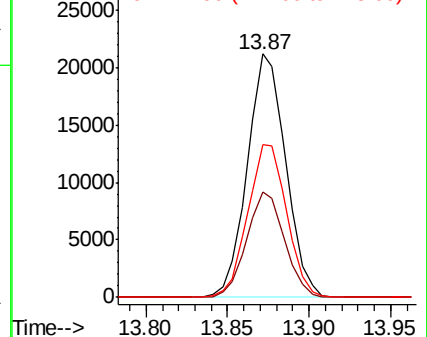
146 100

111 42.7 22.4 67.2

148 63.5 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: 22.609 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

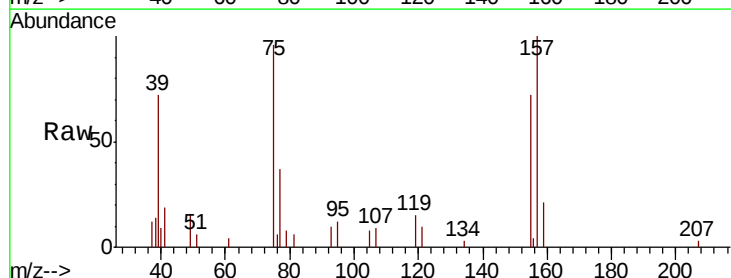
Tgt Ion: 75 Resp: 2716

Ion Ratio Lower Upper

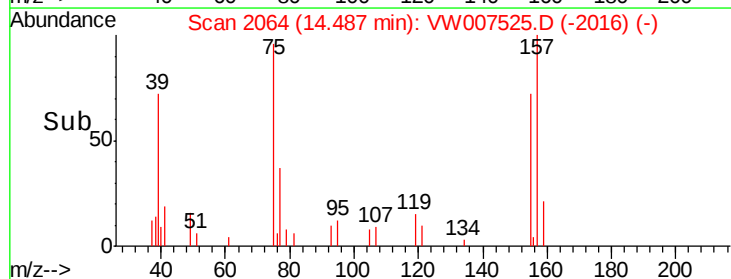
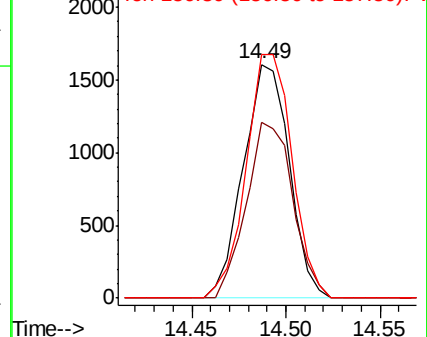
75 100

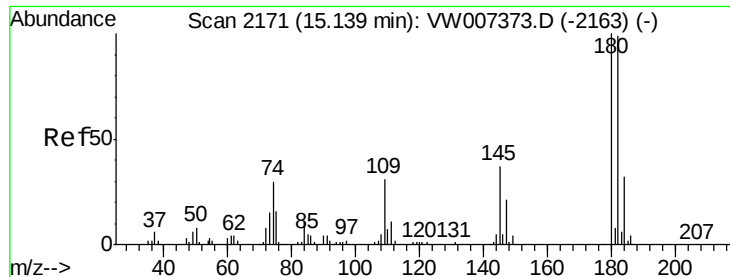
155 76.0 40.8 122.2

157 104.3 51.1 153.4



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

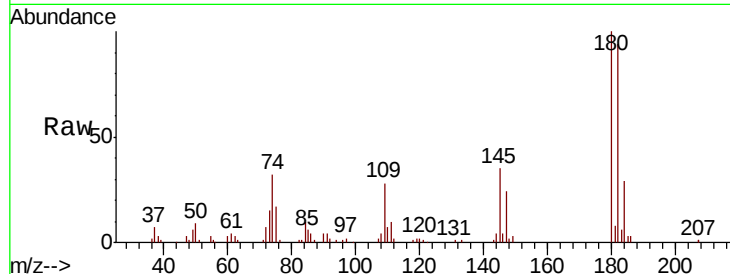




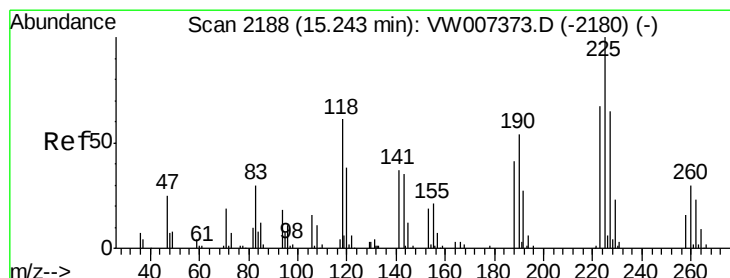
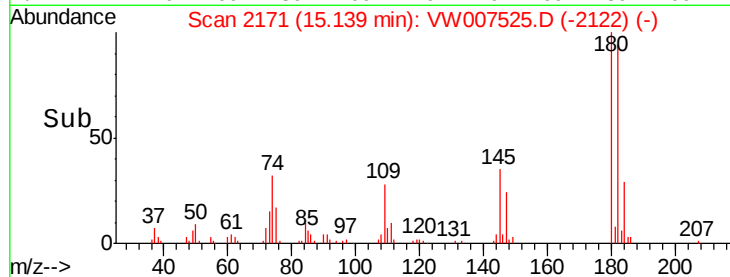
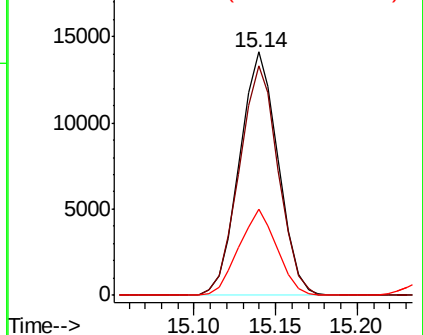
#93
 1,2,4-Trichlorobenzene
 Concen: 21.058 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD01

Tot Ion:180 Resp: 23184
 Ion Ratio Lower Upper
 180 100
 182 95.2 49.9 149.6
 145 34.8 17.8 53.4

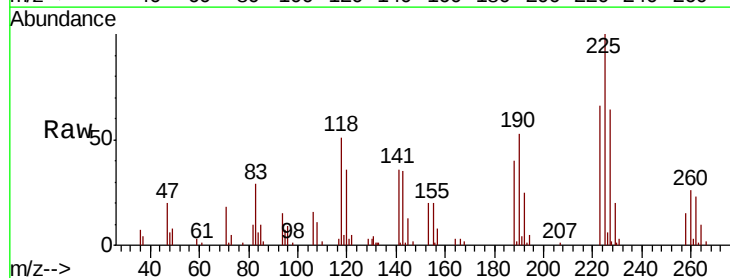


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

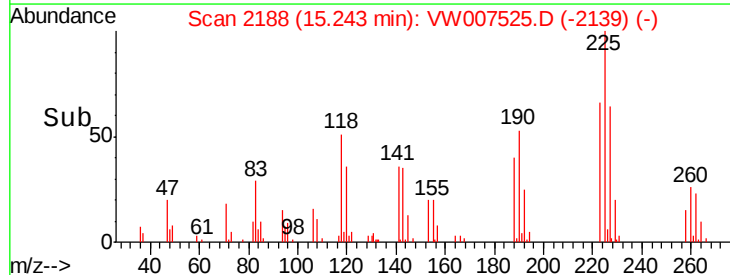
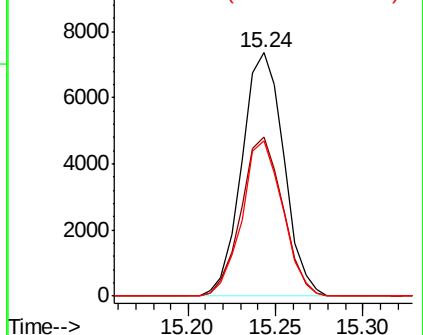


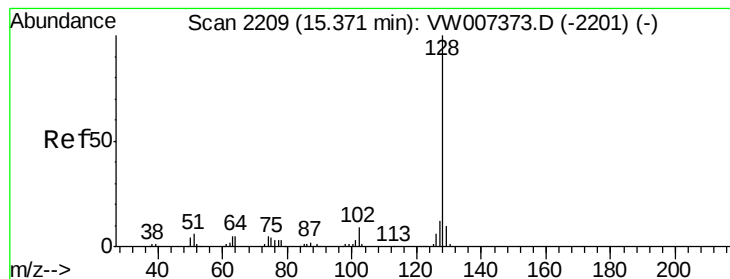
#94
 Hexachlorobutadiene
 Concen: 21.212 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007525.D
 Acq: 14 Dec 2018 10:49

Tgt Ion:225 Resp: 12391
 Ion Ratio Lower Upper
 225 100
 223 64.5 32.1 96.3
 227 61.7 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: 22.396 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD01

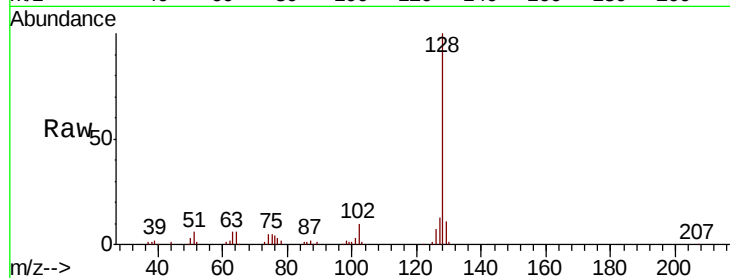
Tot Ion:128 Resp: 47171

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

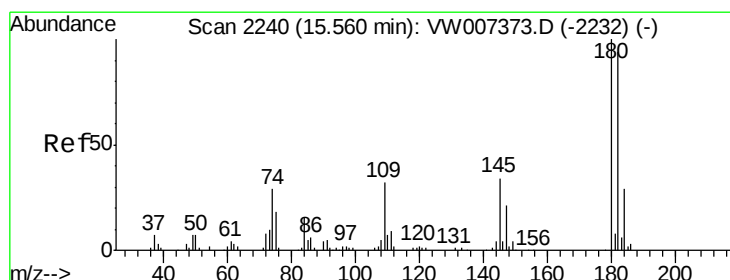
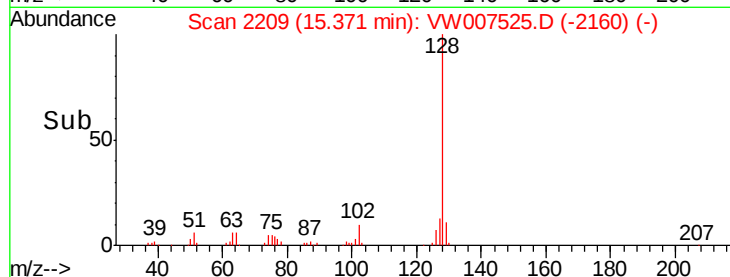
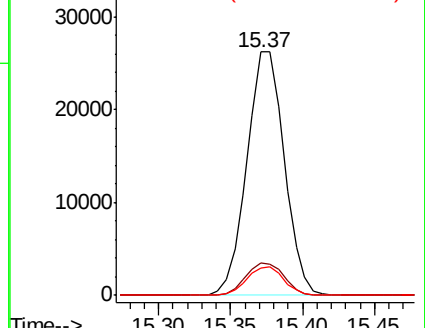
129 11.5 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.466 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW007525.D

Acq: 14 Dec 2018 10:49

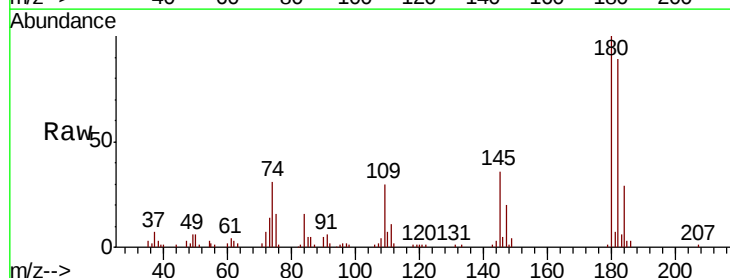
Tgt Ion:180 Resp: 20530

Ion Ratio Lower Upper

180 100

182 93.8 45.6 136.7

145 38.5 17.5 52.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

