

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121518\
 Data File : VW007451.D
 Acq On : 12 Dec 2018 21:29
 Operator : SY/AP
 Sample : VW1212SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Quant Time: Dec 13 04:20:12 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	83950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63452	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	45599	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.88	113	41841	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	10.32	98	160340	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	60975	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13930	23.745	ug/l	99
3) Chloromethane	2.21	50	9590	19.519	ug/l	99
4) Vinyl Chloride	2.37	62	11203	19.430	ug/l	96
5) Bromomethane	2.78	94	7511	19.389	ug/l	96
6) Chloroethane	2.92	64	6202	19.541	ug/l	92
7) Trichlorofluoromethane	3.25	101	9794	18.894	ug/l	98
8) Diethyl Ether	3.68	74	8494	20.936	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17488	20.446	ug/l	99
10) Methyl Iodide	4.26	142	29058	20.512	ug/l	99
11) Tert butyl alcohol	5.17	59	7226	112.969	ug/l	98
12) 1,1-Dichloroethene	4.03	96	16671	20.243	ug/l	92
13) Acrolein	3.89	56	4554	107.596	ug/l	97
14) Allyl chloride	4.66	41	23753	19.568	ug/l	98
15) Acrylonitrile	5.37	53	17350	101.442	ug/l	100
16) Acetone	4.12	43	16759	103.018	ug/l	95
17) Carbon Disulfide	4.37	76	50334	20.158	ug/l	98
18) Methyl Acetate	4.67	43	9141	20.703	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	24835	19.991	ug/l	93
20) Methylene Chloride	4.90	84	19909	20.031	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	18584	20.173	ug/l	99
22) Diisopropyl ether	6.31	45	45954	19.695	ug/l	95
23) Vinyl Acetate	6.25	43	131962	101.114	ug/l	95
24) 1,1-Dichloroethane	6.21	63	31832	20.186	ug/l	99
25) 2-Butanone	7.17	43	21459	101.041	ug/l	98
26) 2,2-Dichloropropane	7.16	77	21035	20.155	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	20575	20.397	ug/l	100
28) Bromochloromethane	7.51	49	12060	20.331	ug/l	97
29) Tetrahydrofuran	7.53	42	13858	103.071	ug/l	99
30) Chloroform	7.67	83	34625	20.176	ug/l	100
31) Cyclohexane	7.95	56	28261	19.533	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	30039	19.960	ug/l	98
36) 1,1-Dichloropropene	8.08	75	25734	19.964	ug/l	98
37) Ethyl Acetate	7.25	43	9724	20.282	ug/l	98
38) Carbon Tetrachloride	8.07	117	29305	20.894	ug/l	98

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 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Quant Time: Dec 13 04:20:12 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)
39) Methylcyclohexane	9.34	83	32273	20.676	ug/l	97
40) Benzene	8.32	78	73835	20.640	ug/l	100
41) Methacrylonitrile	7.49	41	5651	20.699	ug/l	97
42) 1,2-Dichloroethane	8.40	62	23262	20.701	ug/l	100
43) Isopropyl Acetate	8.42	43	19869	20.980	ug/l	100
44) Trichloroethene	9.09	130	21141	20.696	ug/l	97
45) 1,2-Dichloropropane	9.37	63	17300	20.898	ug/l	99
46) Dibromomethane	9.46	93	9893	21.044	ug/l	98
47) Bromodichloromethane	9.64	83	26012	21.095	ug/l	99
48) Methyl methacrylate	9.44	41	9478	19.487	ug/l	96
49) 1,4-Dioxane	9.45	88	3483	456.621	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	46740	104.454	ug/l	100
52) Toluene	10.39	92	48406	20.910	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	25357	21.182	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	28213	20.387	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	14079	22.005	ug/l	94
56) Ethyl methacrylate	10.65	69	16554	21.526	ug/l	98
57) 1,3-Dichloropropane	10.93	76	23209	22.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	32796	92.478	ug/l	99
59) 2-Hexanone	10.97	43	32737	109.719	ug/l	99
60) Dibromochloromethane	11.13	129	17234	21.344	ug/l	98
61) 1,2-Dibromoethane	11.24	107	13676	21.630	ug/l	97
64) Tetrachloroethene	10.86	164	17784	19.448	ug/l	94
65) Chlorobenzene	11.66	112	54324	20.497	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	19337	20.716	ug/l	98
67) Ethyl Benzene	11.73	91	95017	20.852	ug/l	90
68) m/p-Xylenes	11.84	106	73596	41.546	ug/l	100
69) o-Xylene	12.17	106	35505	21.461	ug/l	100
70) Styrene	12.18	104	57503	21.519	ug/l	98
71) Bromoform	12.35	173	9558	20.005	ug/l #	97
73) Isopropylbenzene	12.47	105	97652	20.085	ug/l	99
74) N-amyl acetate	12.27	43	17894	20.251	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	15213	21.126	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	20884	39.917	ug/l	33
77) Bromobenzene	12.75	156	22065	20.474	ug/l	95
78) n-propylbenzene	12.81	91	114448	20.917	ug/l	100
79) 2-Chlorotoluene	12.90	91	66912	20.210	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	84391	20.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4741	20.018	ug/l	96
82) 4-Chlorotoluene	12.99	91	70883	20.311	ug/l	98
83) tert-Butylbenzene	13.21	119	74563	20.714	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	85904	20.434	ug/l	97
85) sec-Butylbenzene	13.39	105	101904	20.738	ug/l	95
86) p-Isopropyltoluene	13.50	119	92283	20.904	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	45140	21.008	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	43540	20.156	ug/l	98
89) n-Butylbenzene	13.83	91	84133	20.558	ug/l	99
90) Hexachloroethane	14.10	117	15799	20.114	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	40171	20.873	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3000	20.760	ug/l	95

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

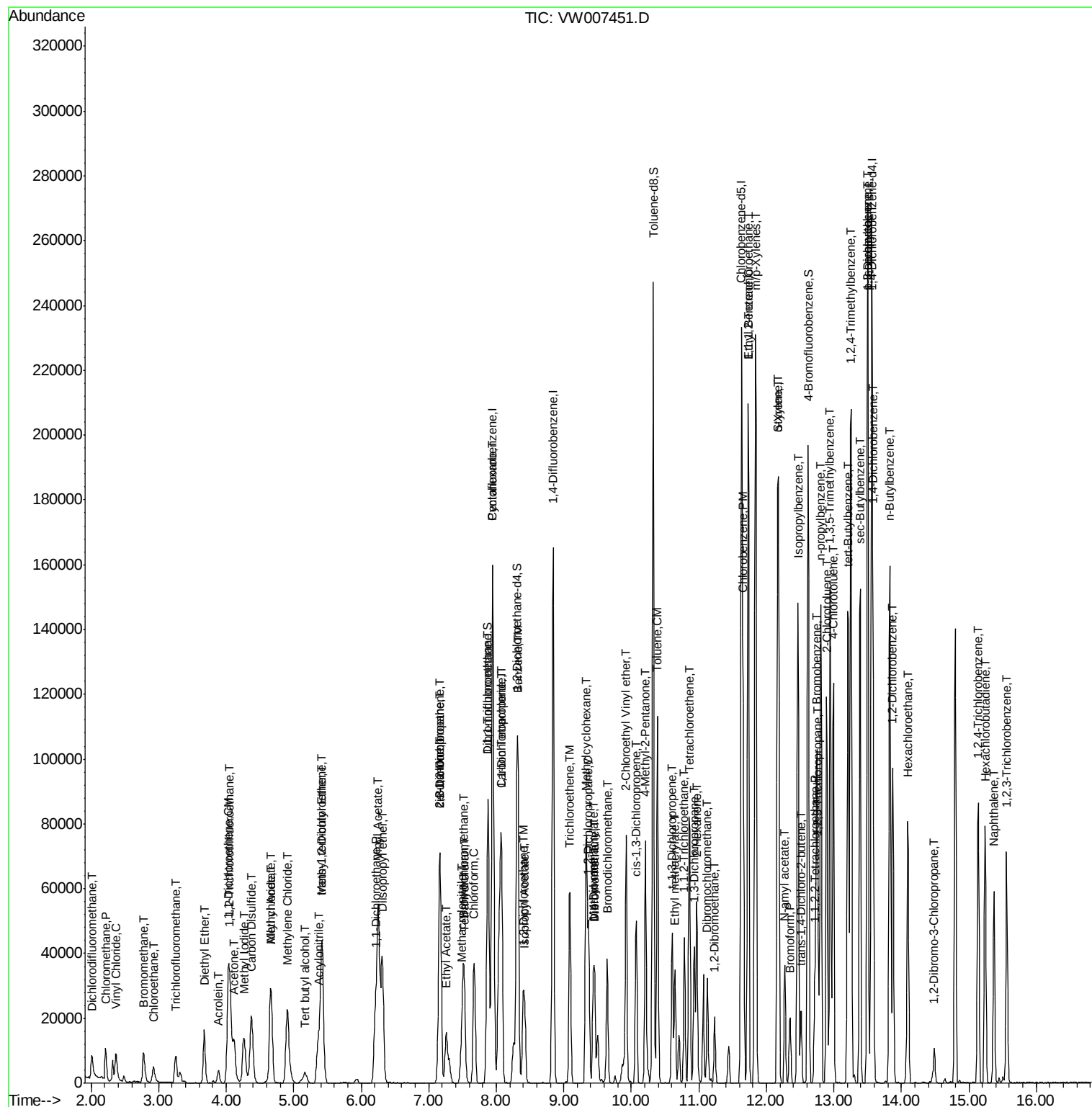
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27191	20.530	ug/l	95
94) Hexachlorobutadiene	15.24	225	14505	20.641	ug/l	99
95) Naphthalene	15.37	128	51773	20.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	23528	20.450	ug/l	96

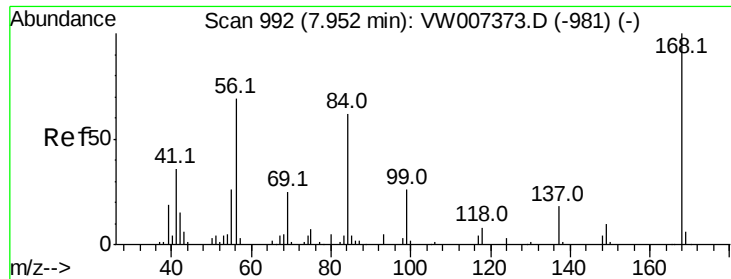
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

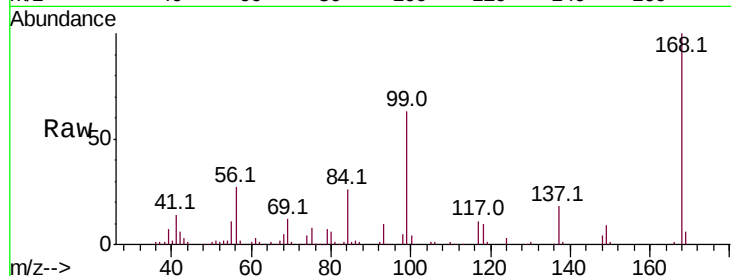
VW1215SBS01

Tot Ion:168 Resp: 83950

Ion Ratio Lower Upper

168 100

99 63.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

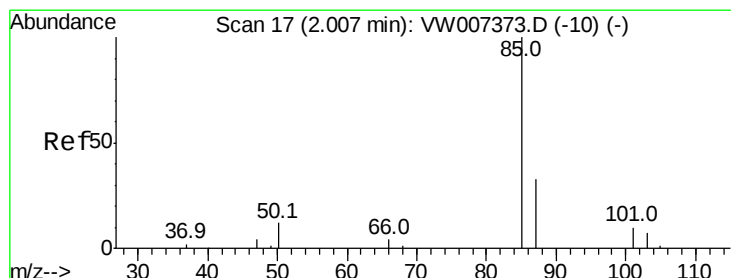
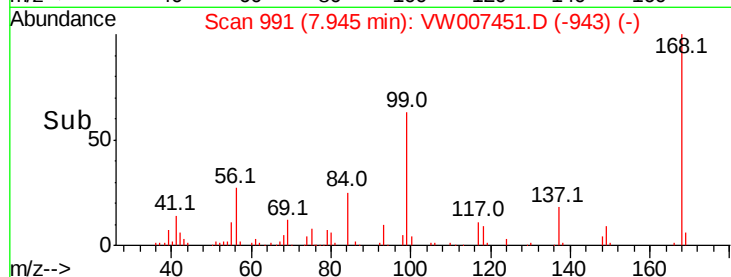
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 23.745 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007451.D

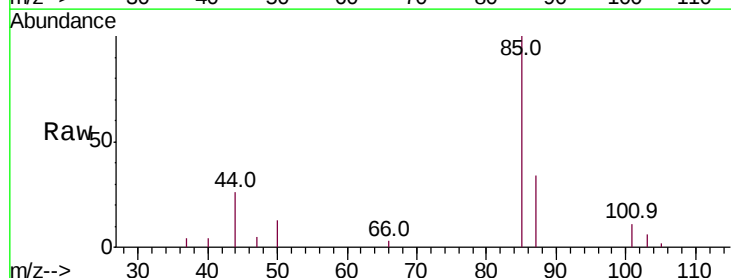
Acq: 12 Dec 2018 21:29

Tgt Ion: 85 Resp: 13930

Ion Ratio Lower Upper

85 100

87 33.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

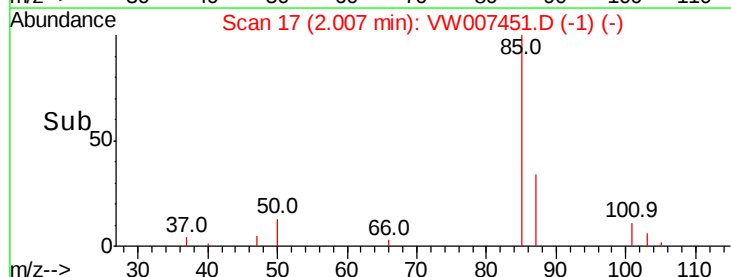
2000

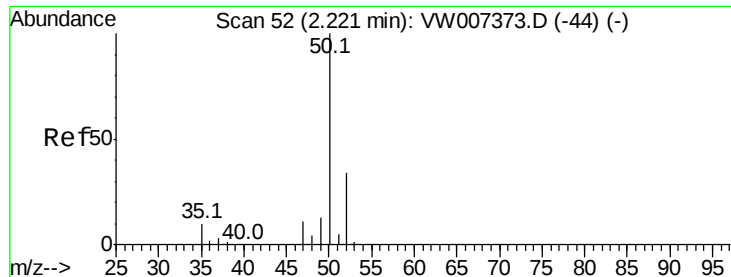
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.519 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

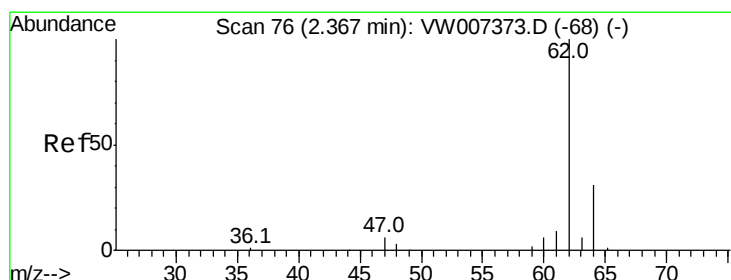
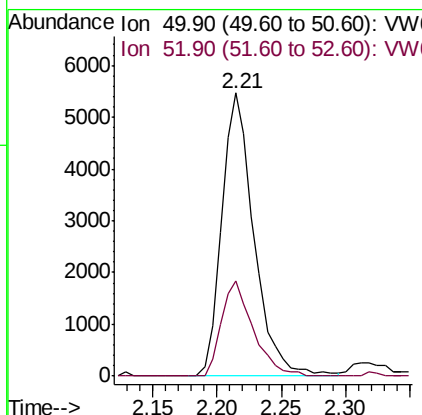
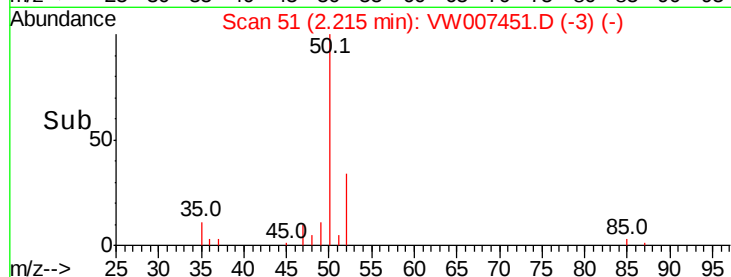
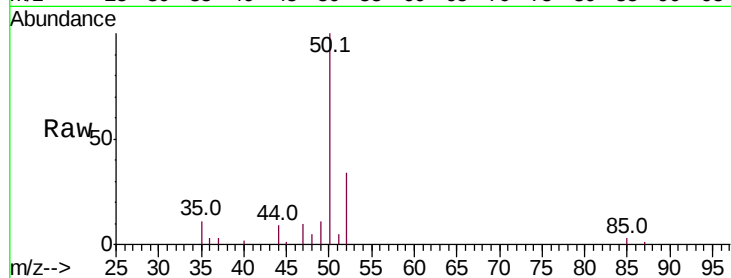
VW1215SBS01

Tot Ion: 50 Resp: 9590

Ion Ratio Lower Upper

50 100

52 33.5 27.4 41.0



#4

Vinyl Chloride

Concen: 19.430 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007451.D

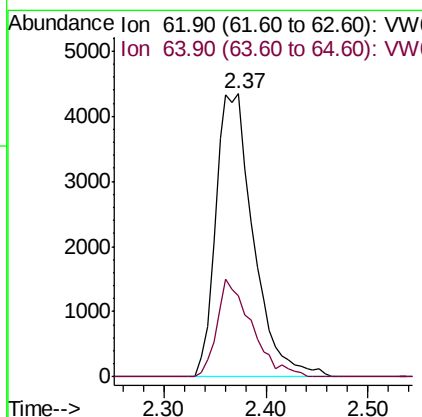
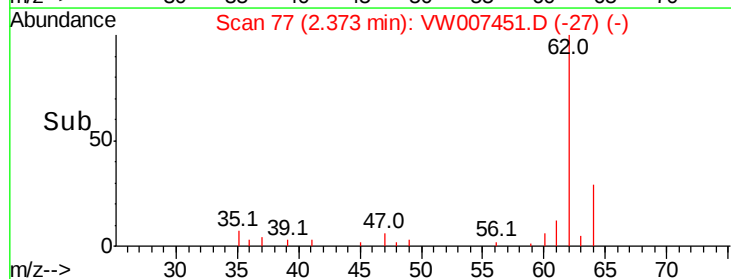
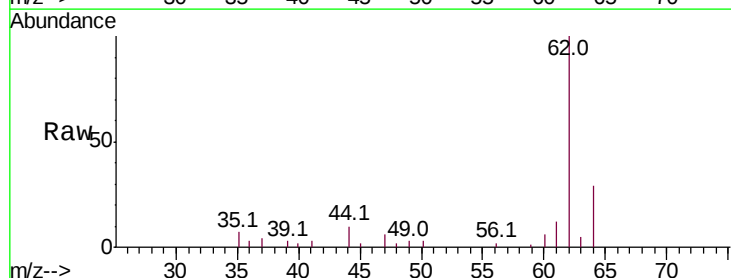
Acq: 12 Dec 2018 21:29

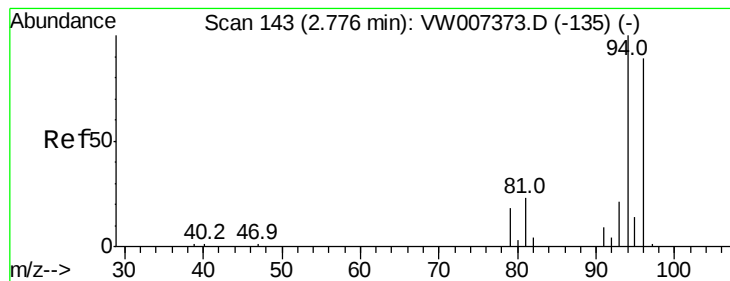
Tgt Ion: 62 Resp: 11203

Ion Ratio Lower Upper

62 100

64 28.8 24.6 37.0





#5

Bromomethane

Concen: 19.389 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

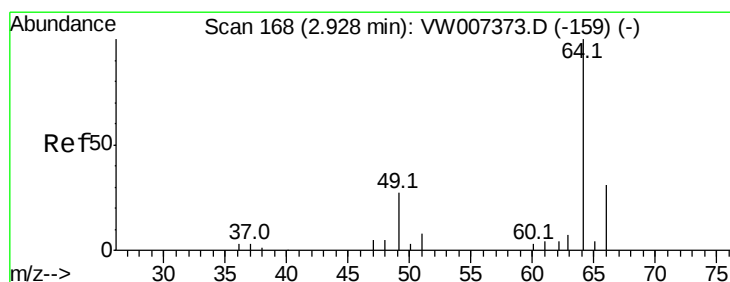
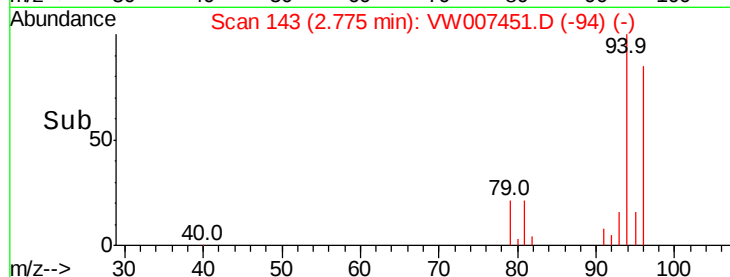
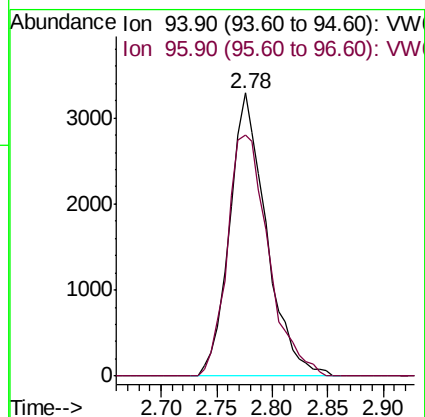
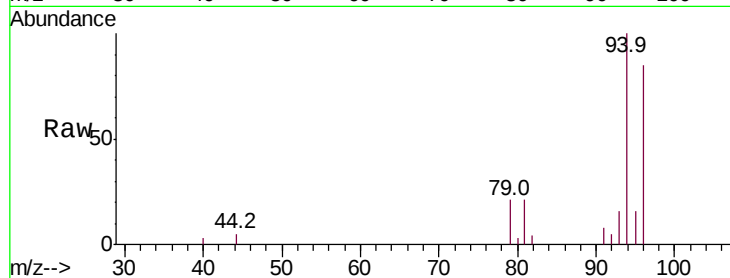
VW1215SBS01

Tot Ion: 94 Resp: 7511

Ion Ratio Lower Upper

94 100

96 85.2 71.0 106.4



#6

Chloroethane

Concen: 19.541 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007451.D

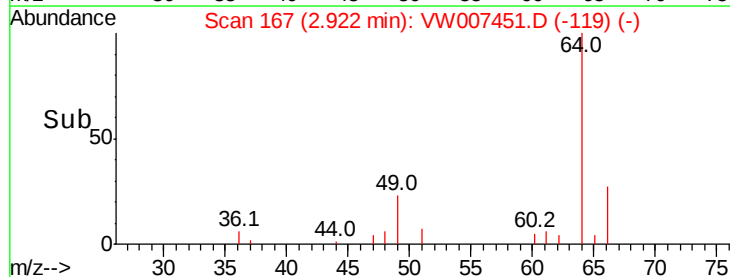
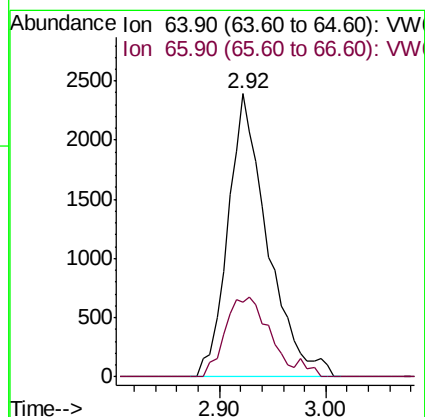
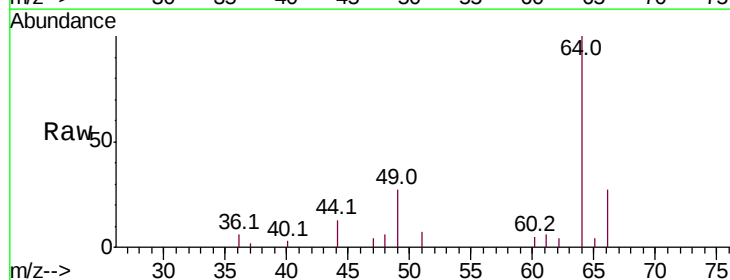
Acq: 12 Dec 2018 21:29

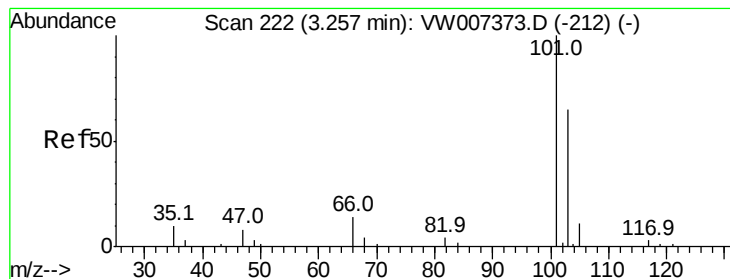
Tgt Ion: 64 Resp: 6202

Ion Ratio Lower Upper

64 100

66 26.5 24.6 37.0



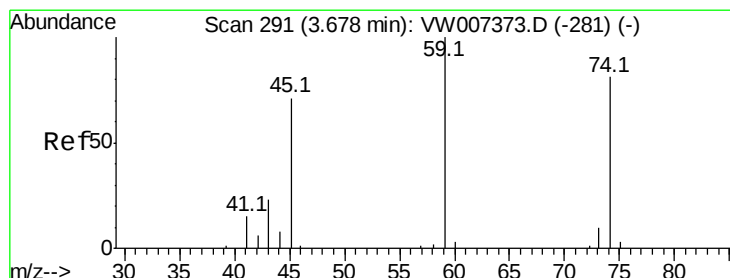
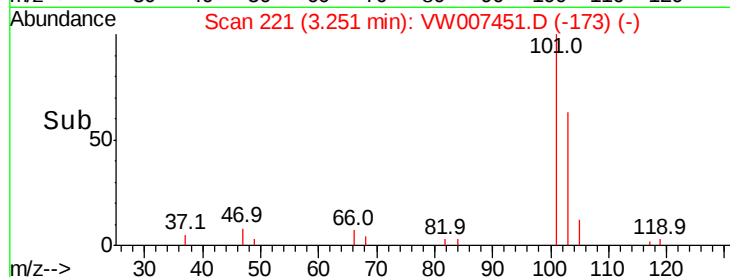
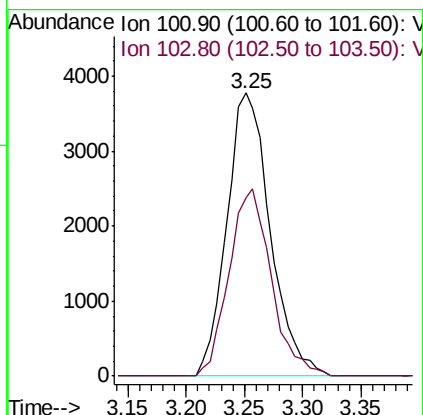
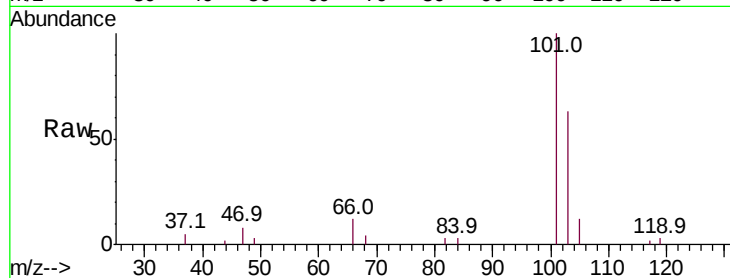


#7

Trichlorofluoromethane
 Concen: 18.894 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
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 VW1215SBS01

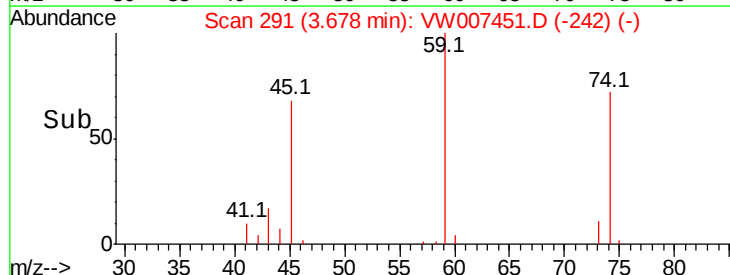
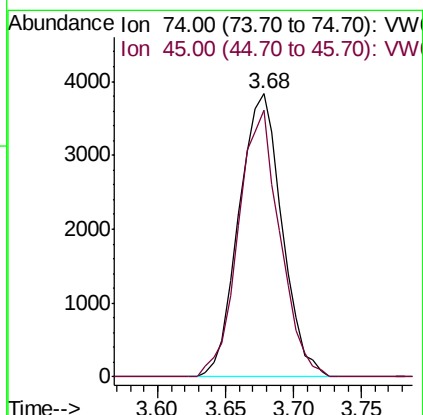
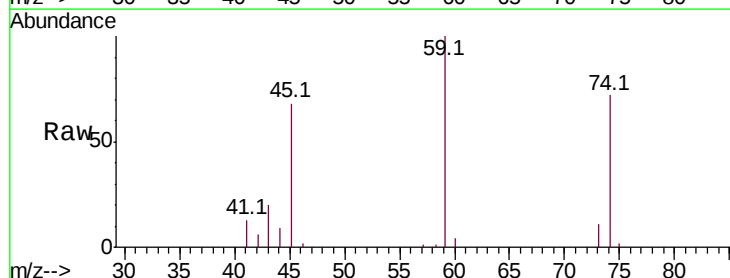
Tot Ion:101 Resp: 9794
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.7 77.5

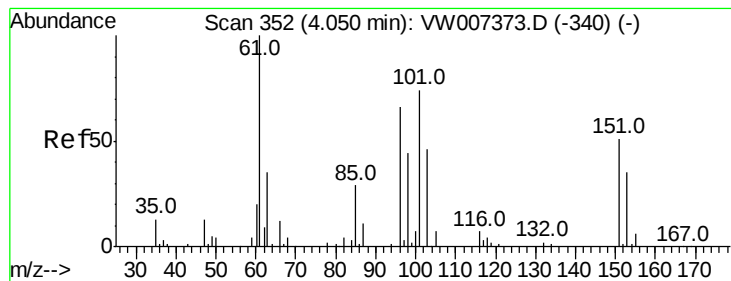


#8

Diethyl Ether
 Concen: 20.936 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion: 74 Resp: 8494
 Ion Ratio Lower Upper
 74 100
 45 90.6 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.446 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

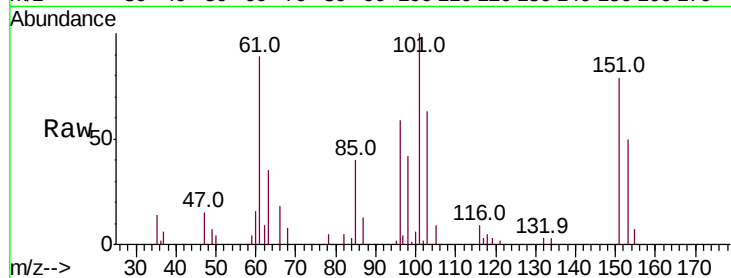
Tot Ion:101 Resp: 17488

Ion Ratio Lower Upper

101 100

85 41.5 33.9 50.9

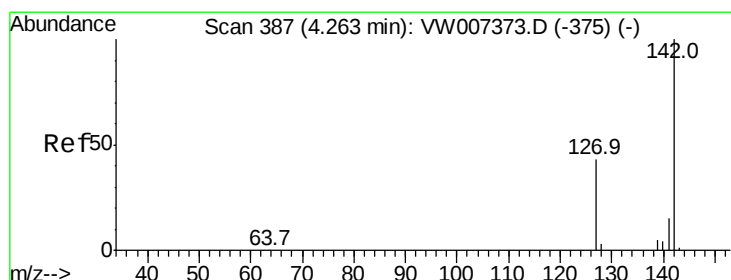
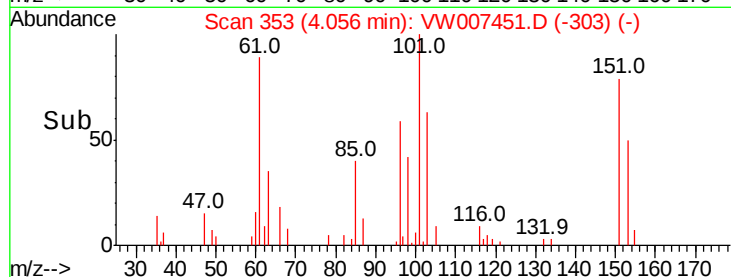
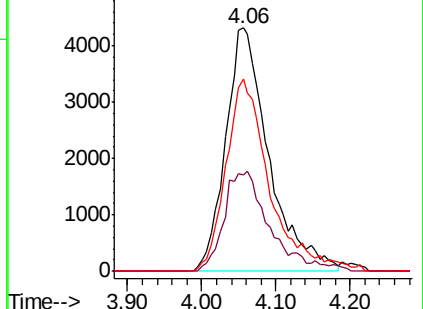
151 79.7 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.512 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

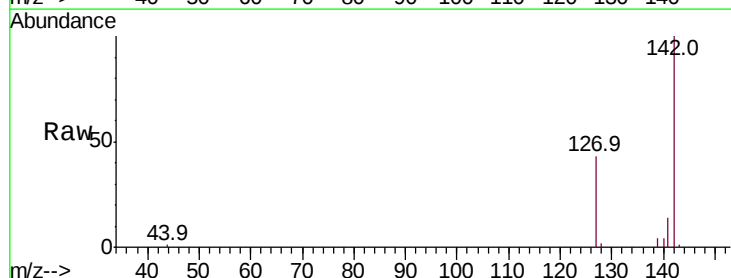
Tgt Ion:142 Resp: 29058

Ion Ratio Lower Upper

142 100

127 44.1 35.8 53.6

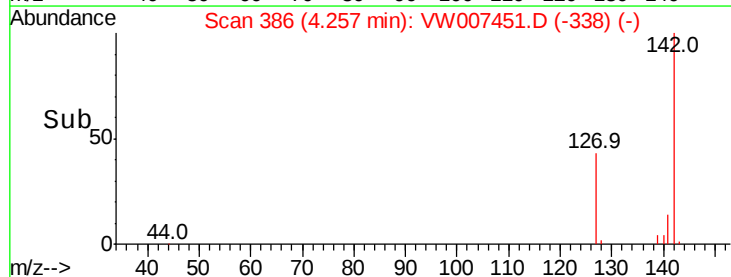
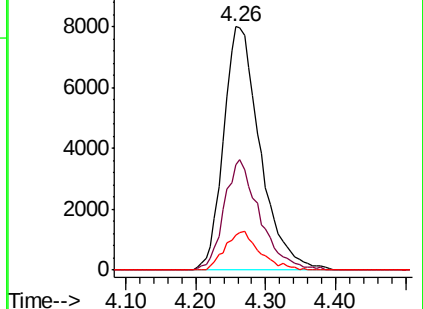
141 15.1 11.1 16.7

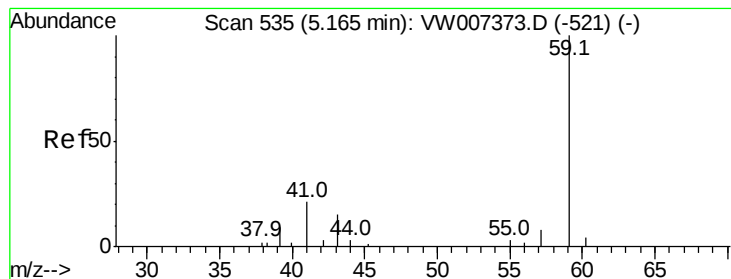


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



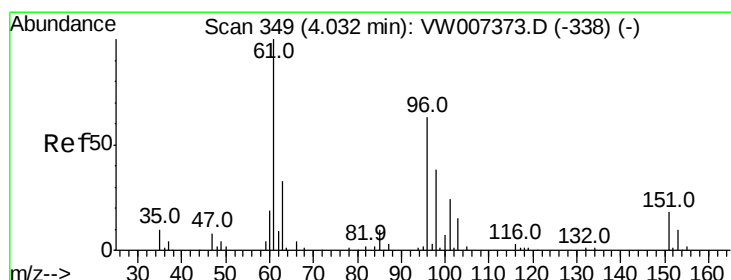
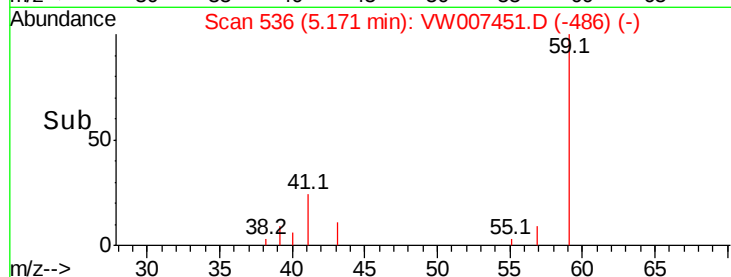
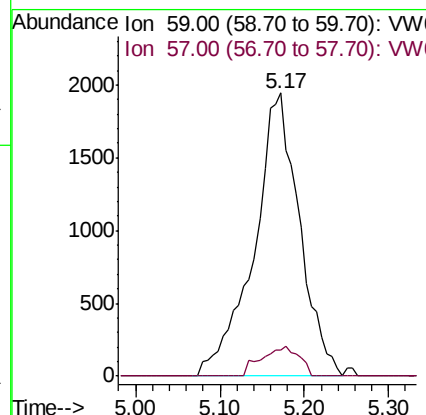
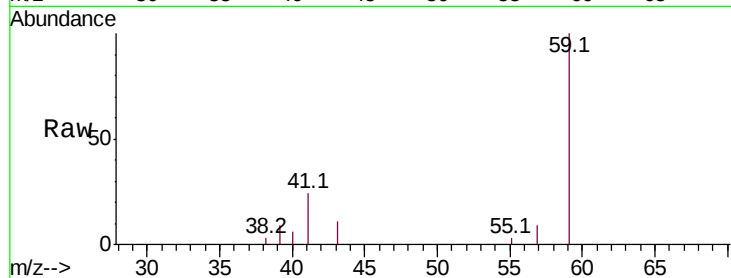


#11

Tert butyl alcohol
 Concen: 112.969 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

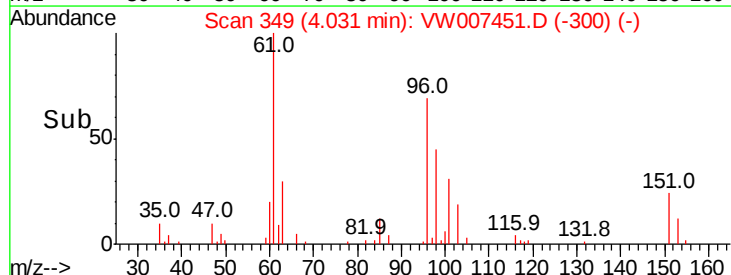
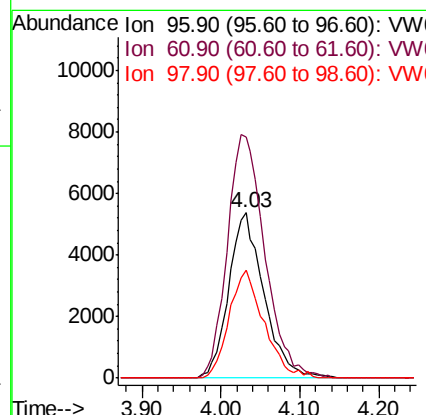
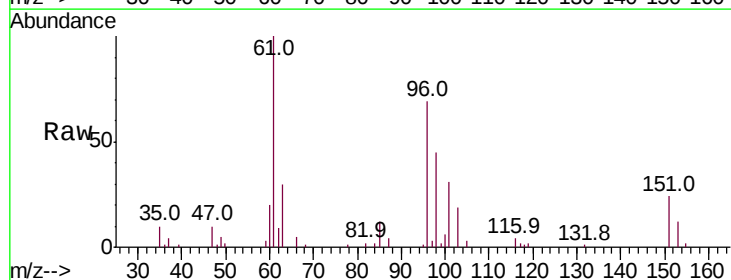
Tot Ion: 59 Resp: 7226
 Ion Ratio Lower Upper
 59 100
 57 8.6 7.6 11.4

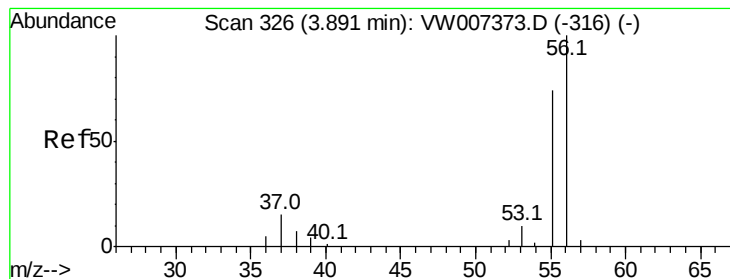


#12

1,1-Dichloroethene
 Concen: 20.243 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion: 96 Resp: 16671
 Ion Ratio Lower Upper
 96 100
 61 145.9 126.2 189.2
 98 65.4 48.3 72.5





#13

Acrolein

Concen: 107.596 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

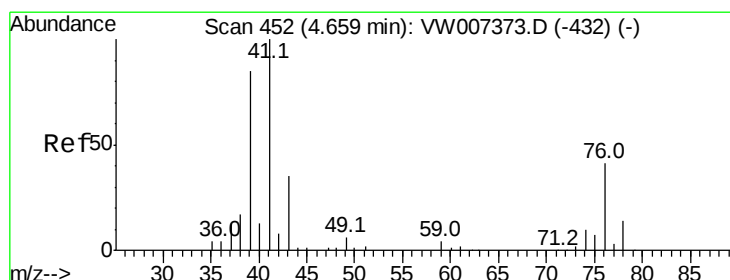
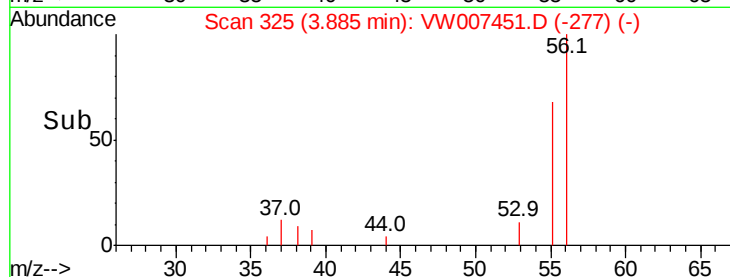
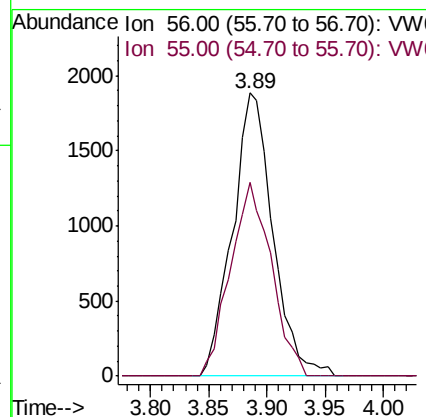
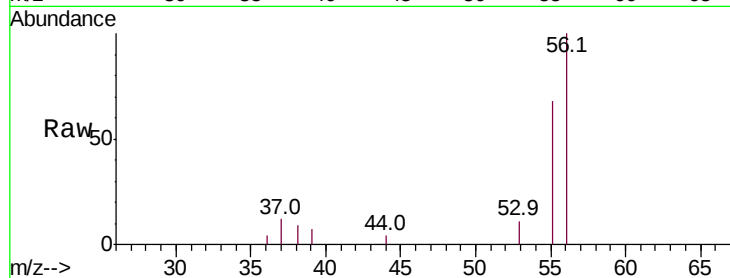
VW1215SBS01

Tot Ion: 56 Resp: 4554

Ion Ratio Lower Upper

56 100

55 69.2 57.4 86.2



#14

Allyl chloride

Concen: 19.568 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

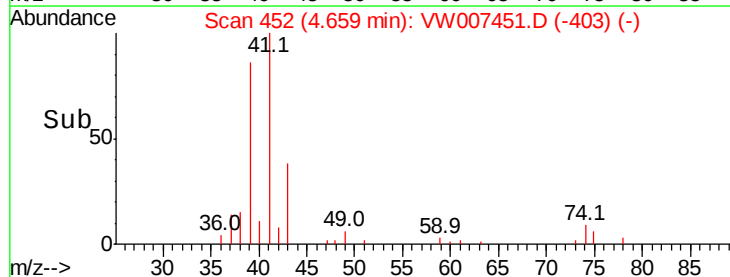
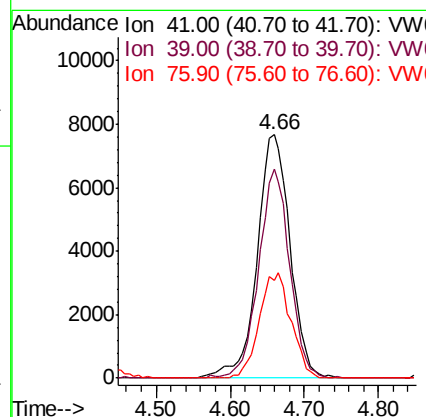
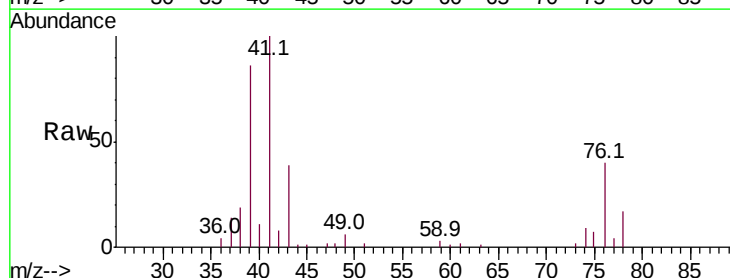
Tgt Ion: 41 Resp: 23753

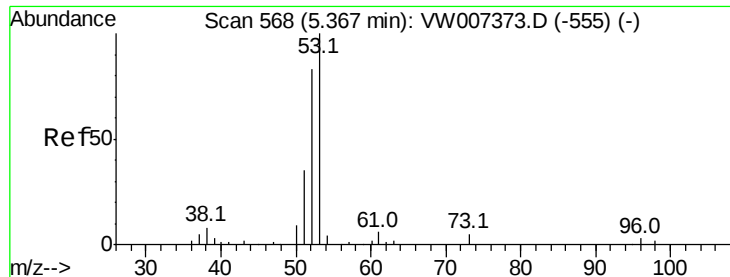
Ion Ratio Lower Upper

41 100

39 80.9 63.4 95.2

76 41.4 32.1 48.1





#15

Acrylonitrile

Concen: 101.442 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

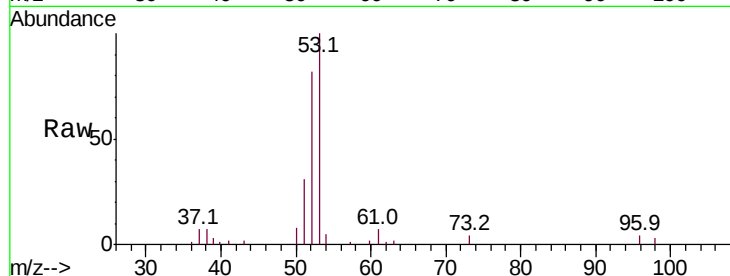
Tot Ion: 53 Resp: 17350

Ion Ratio Lower Upper

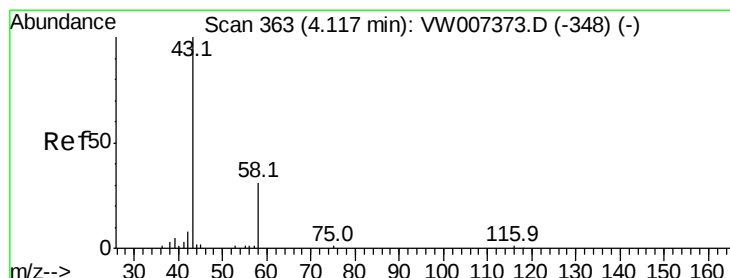
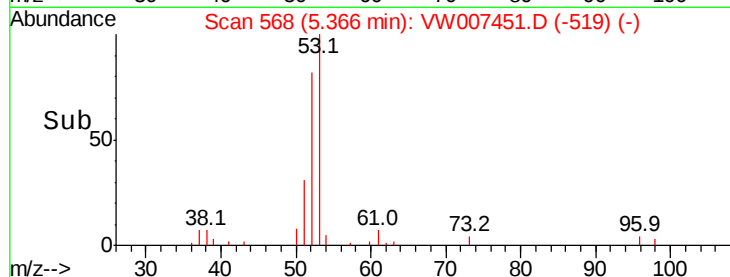
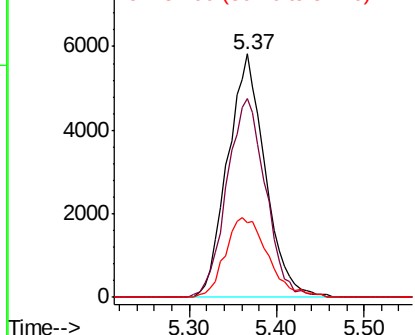
53 100

52 84.3 67.4 101.2

51 37.2 30.2 45.2



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



#16

Acetone

Concen: 103.018 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007451.D

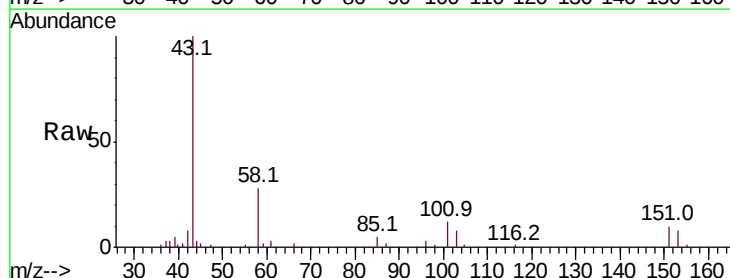
Acq: 12 Dec 2018 21:29

Tgt Ion: 43 Resp: 16759

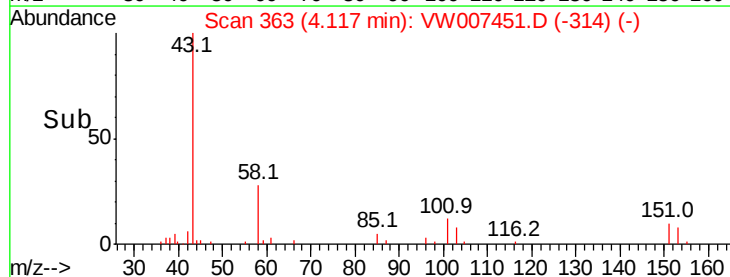
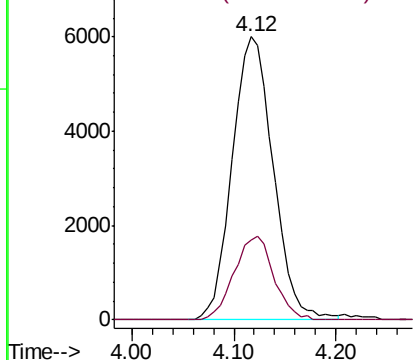
Ion Ratio Lower Upper

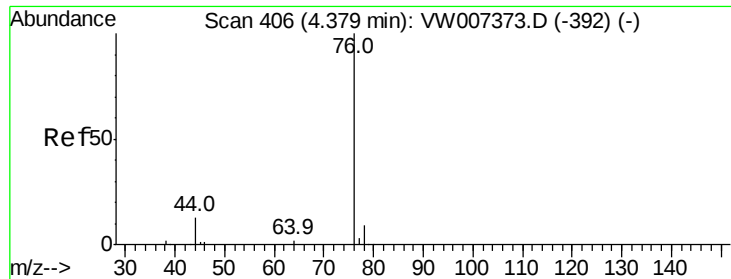
43 100

58 28.3 24.9 37.3



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

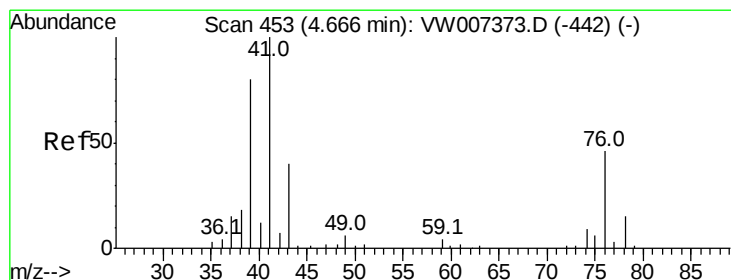
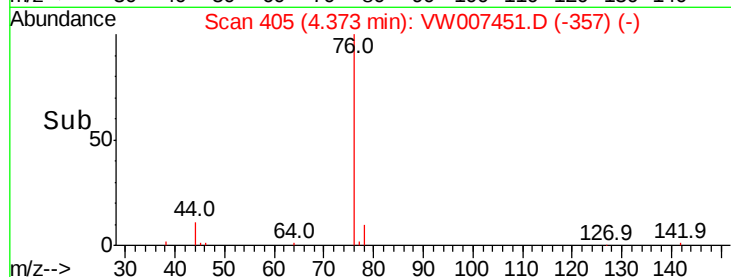
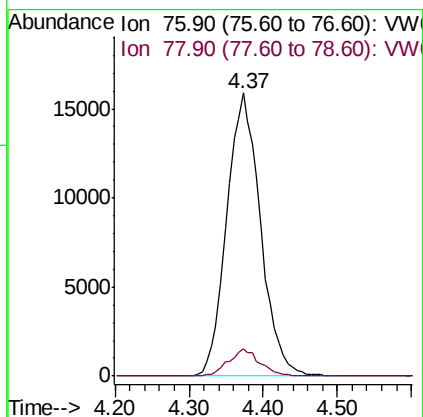
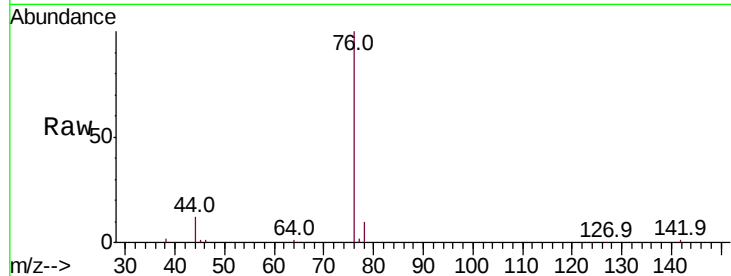




#17
Carbon Disulfide
Concen: 20.158 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

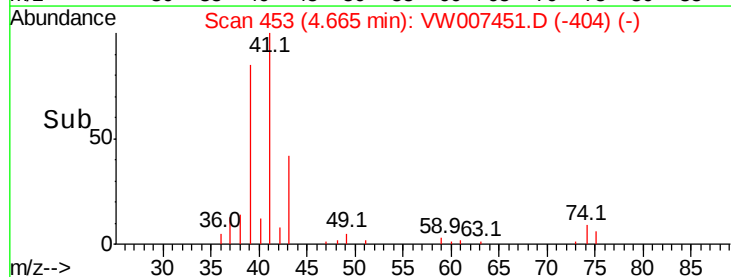
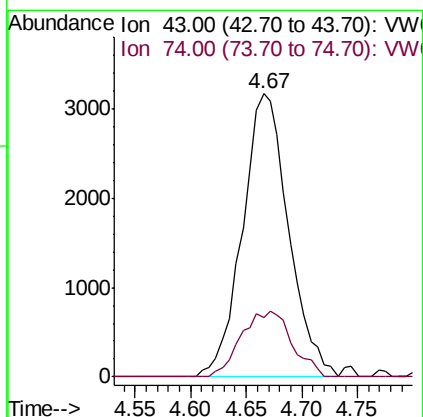
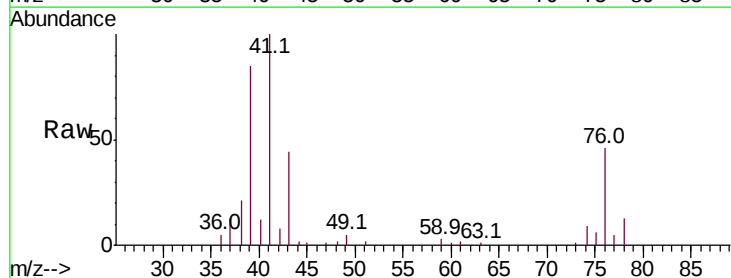
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

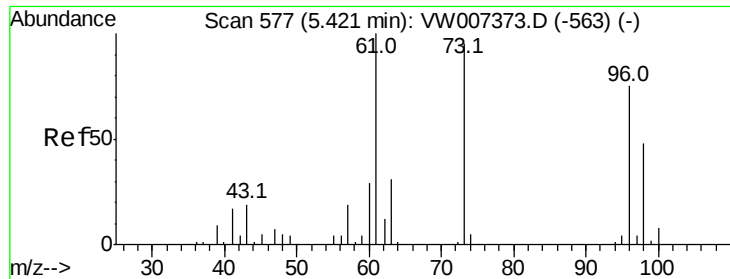
Tot Ion: 76 Resp: 50334
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7



#18
Methyl Acetate
Concen: 20.703 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 43 Resp: 9141
Ion Ratio Lower Upper
43 100
74 25.4 21.1 31.7

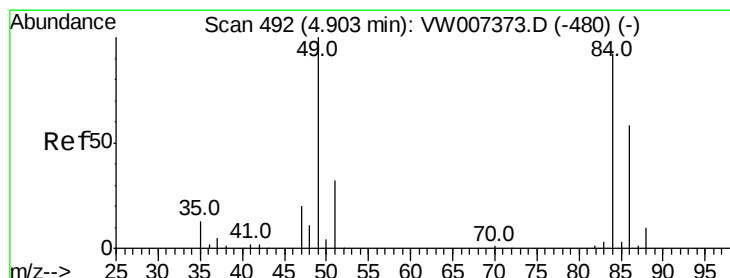
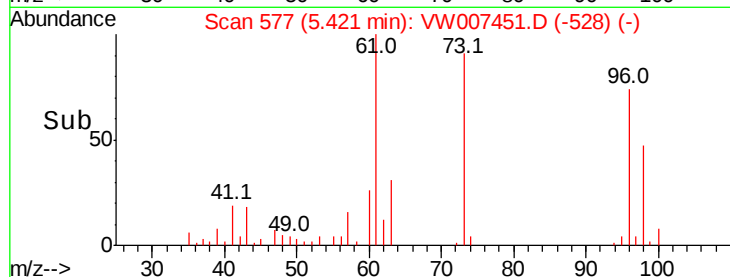
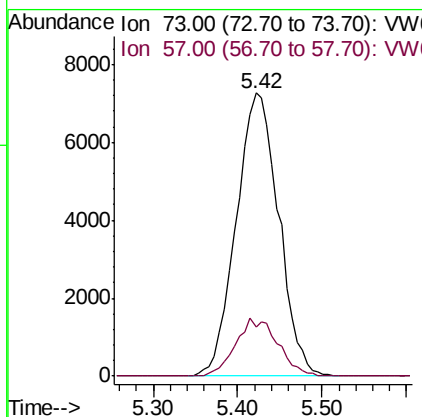
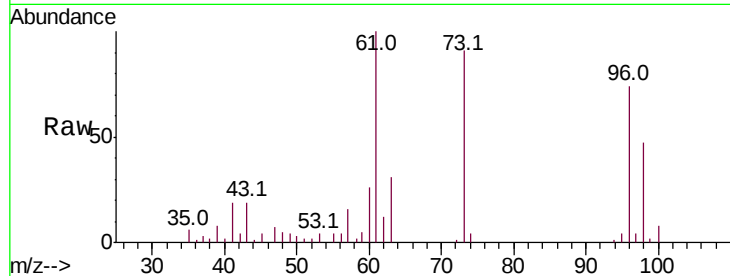




#19
Methyl tert-butyl Ether
Concen: 19.991 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

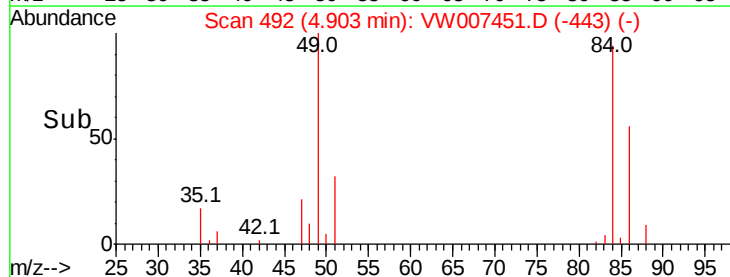
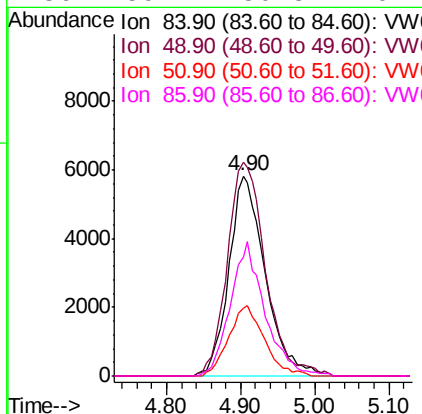
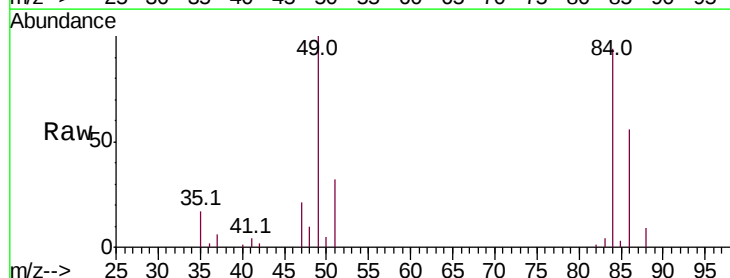
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

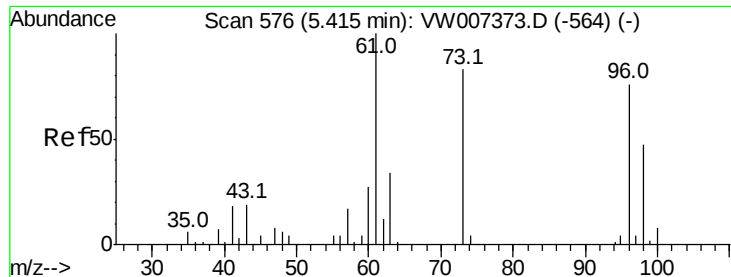
Tot Ion: 73 Resp: 24835
Ion Ratio Lower Upper
73 100
57 17.4 16.4 24.6



#20
Methylene Chloride
Concen: 20.031 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 84 Resp: 19909
Ion Ratio Lower Upper
84 100
49 106.6 87.1 130.7
51 34.1 28.2 42.2
86 59.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.173 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

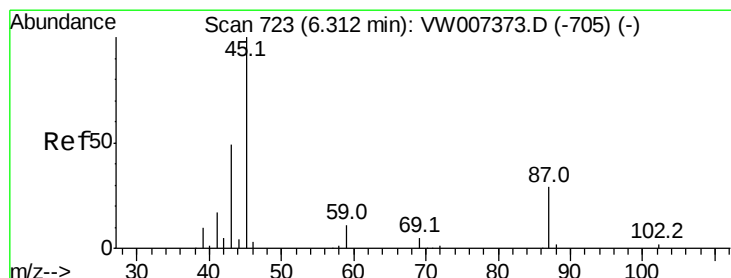
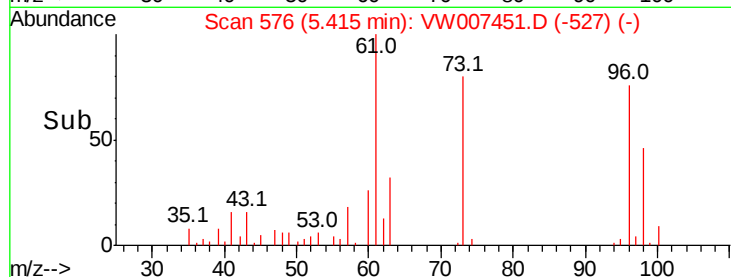
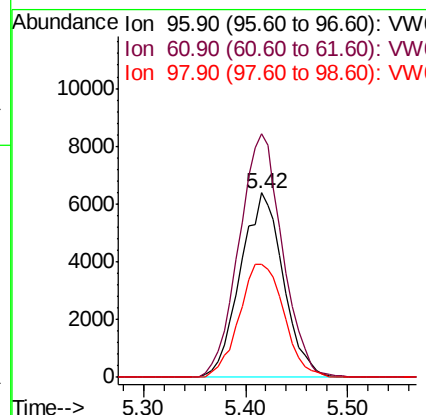
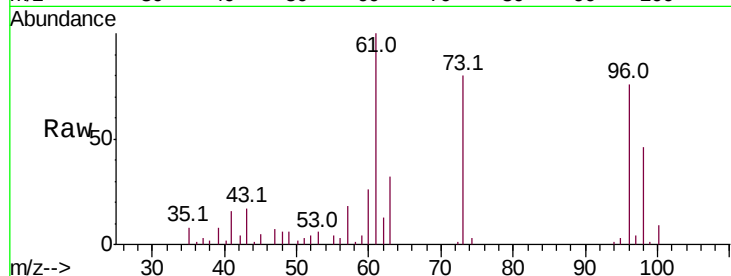
Tot Ion: 96 Resp: 18584

Ion Ratio Lower Upper

96 100

61 132.2 105.0 157.6

98 61.3 49.7 74.5



#22

Diisopropyl ether

Concen: 19.695 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Tgt Ion: 45 Resp: 45954

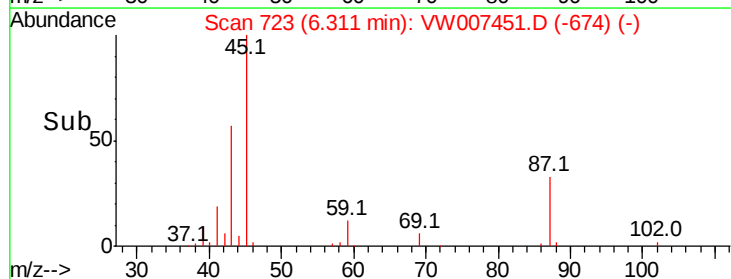
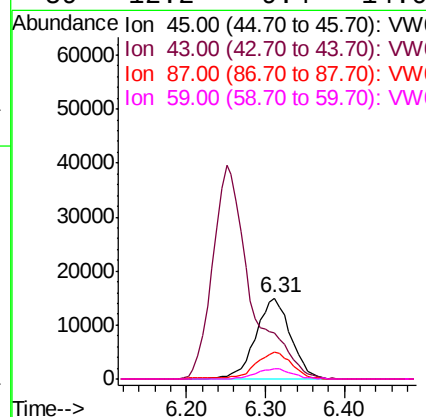
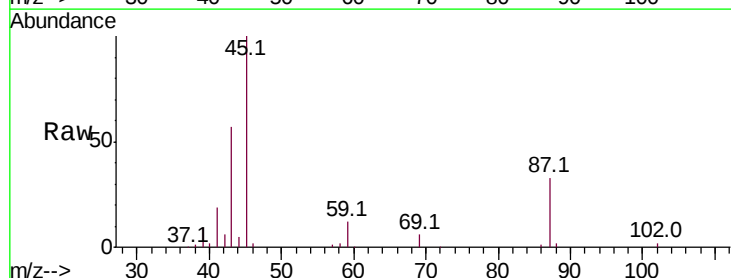
Ion Ratio Lower Upper

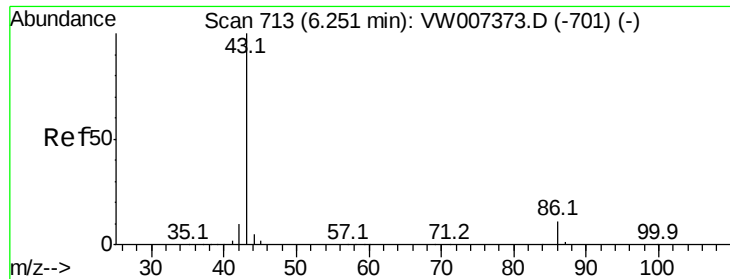
45 100

43 56.3 41.6 62.4

87 32.9 24.3 36.5

59 12.2 9.4 14.0





#23

Vinyl Acetate

Concen: 101.114 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

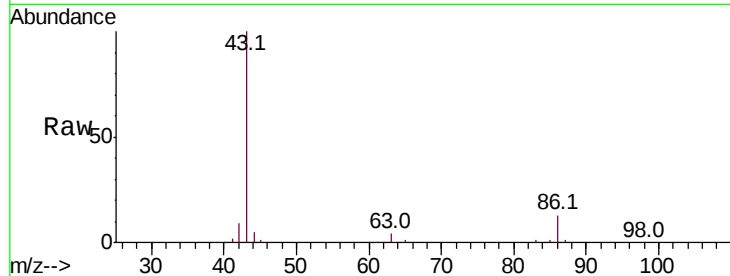
VW1215SBS01

Tot Ion: 43 Resp: 131962

Ion Ratio Lower Upper

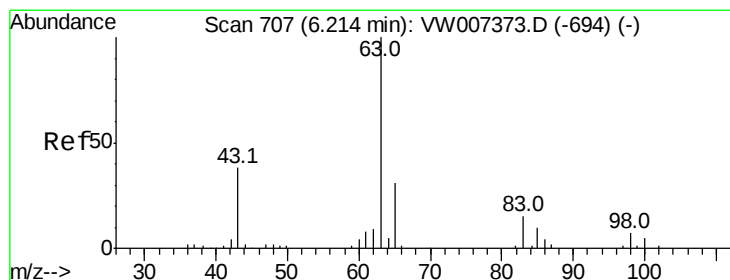
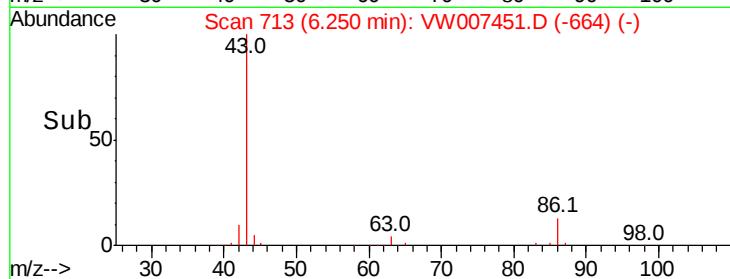
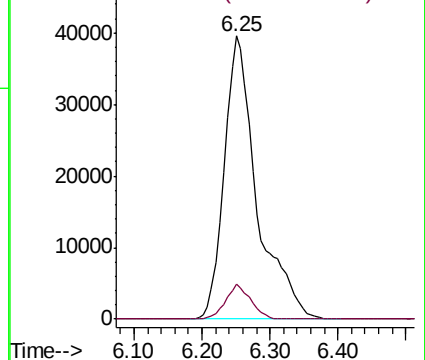
43 100

86 12.5 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: 20.186 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

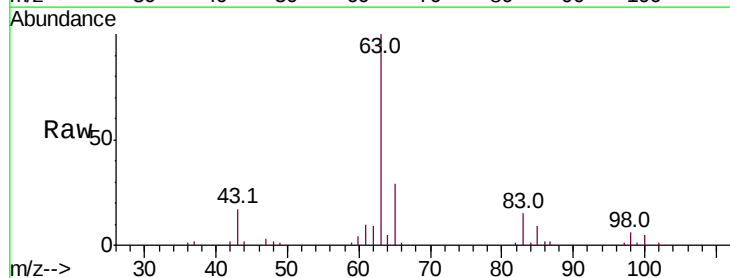
Tgt Ion: 63 Resp: 31832

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

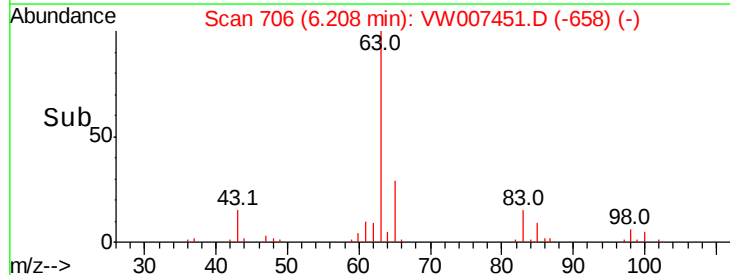
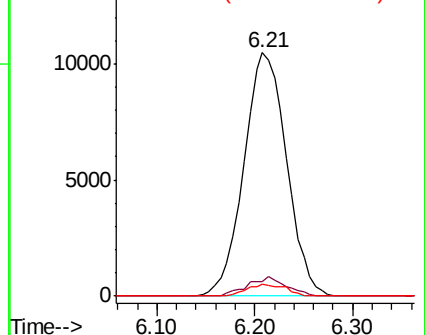
100 4.8 2.5 7.5

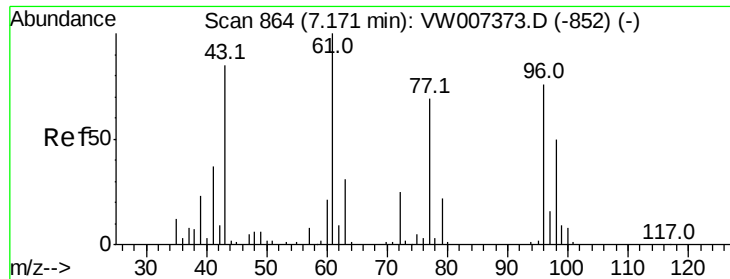


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 101.041 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

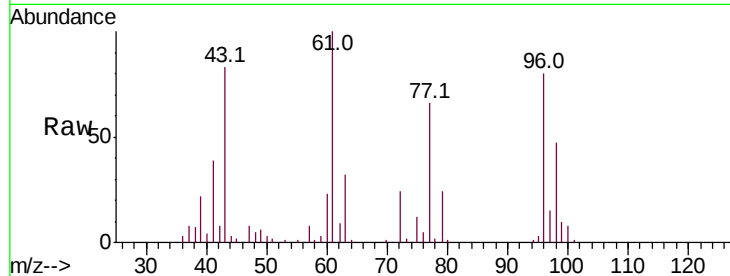
VW1215SBS01

Tot Ion: 43 Resp: 21459

Ion Ratio Lower Upper

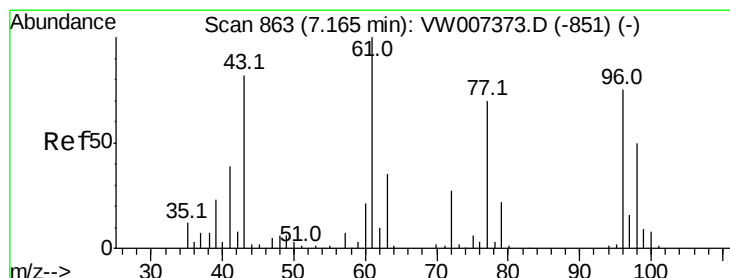
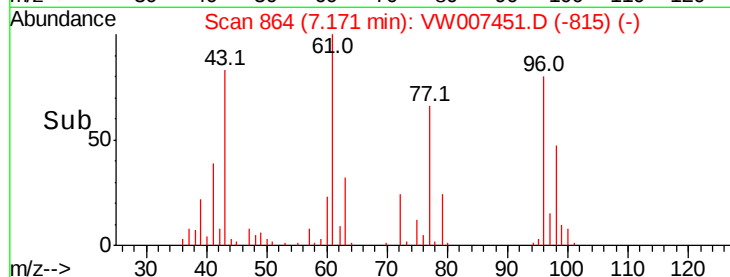
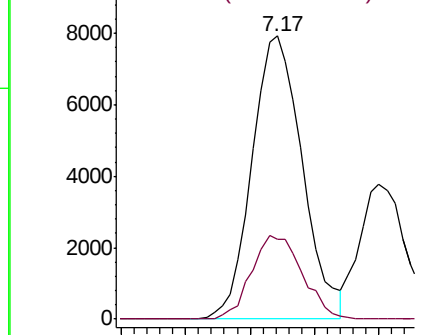
43 100

72 28.3 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 20.155 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007451.D

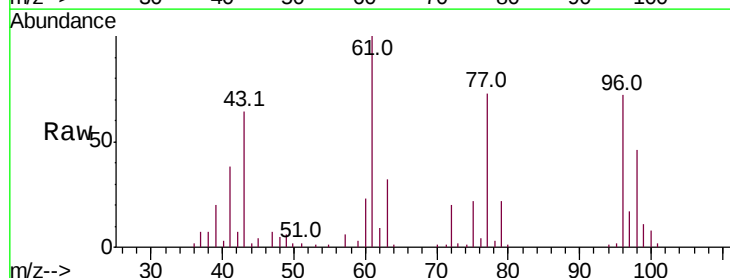
Acq: 12 Dec 2018 21:29

Tgt Ion: 77 Resp: 21035

Ion Ratio Lower Upper

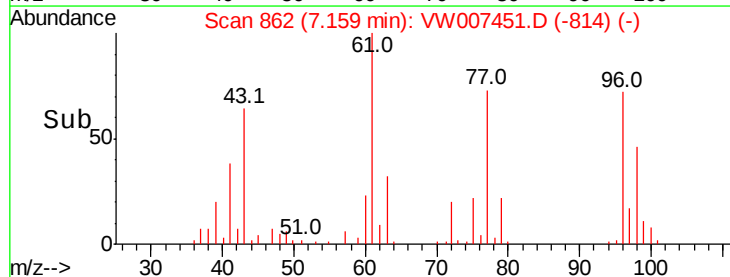
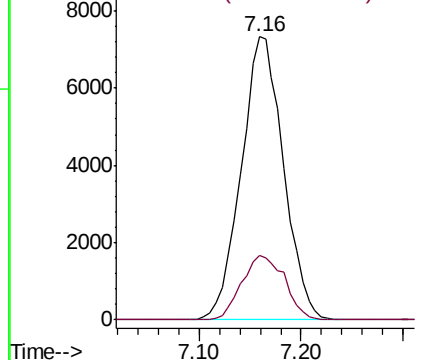
77 100

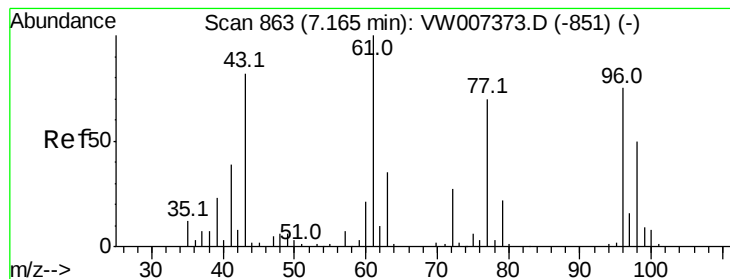
97 23.1 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



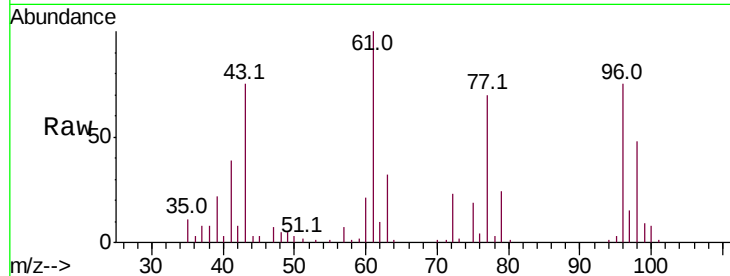


#27

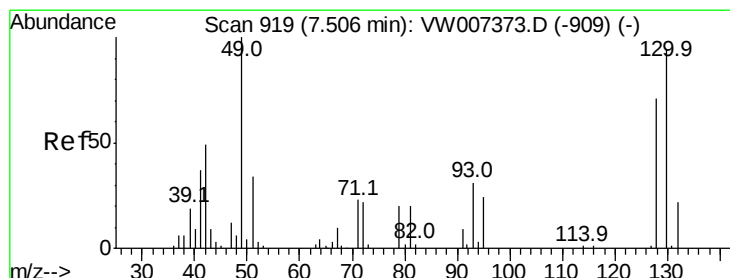
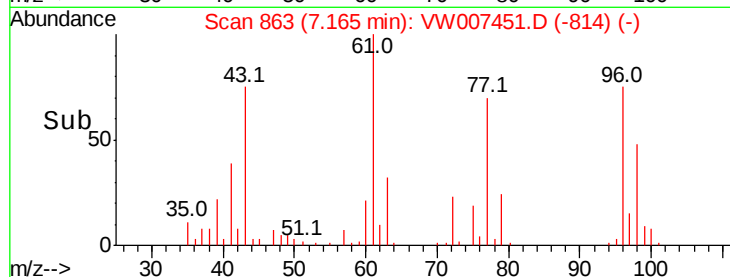
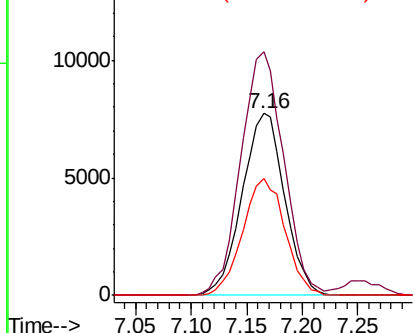
cis-1,2-Dichloroethene
 Concen: 20.397 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampled :
 VW1215SBS01

Tot Ion	96	Resp	20575
Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	268.4
98	63.9	0.0	127.8



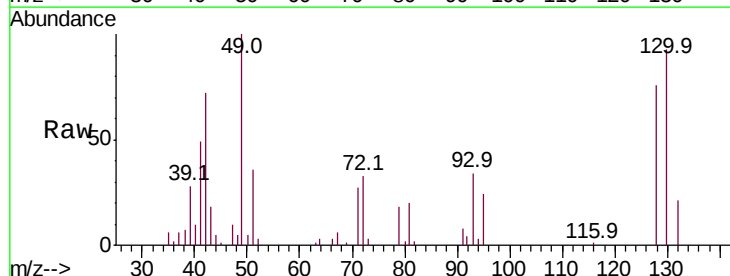
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



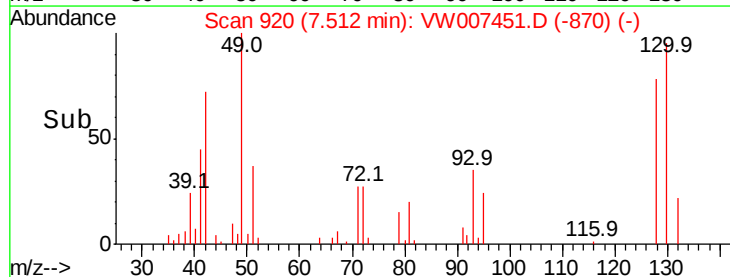
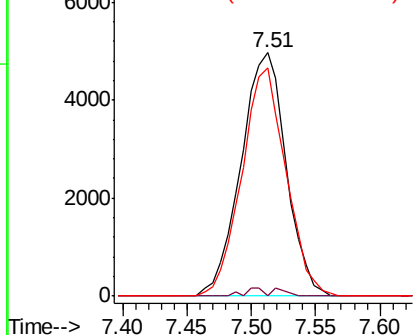
#28

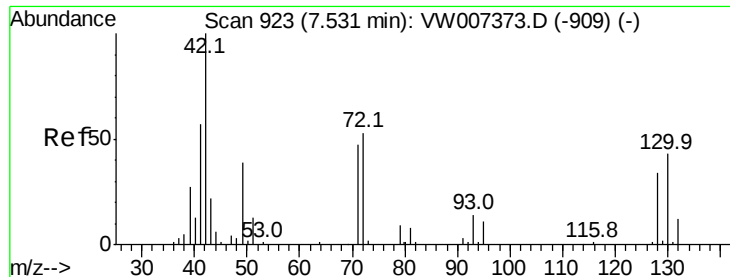
Bromochloromethane
 Concen: 20.331 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion	49	Resp	12060
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.6
130	91.6	75.9	113.9



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

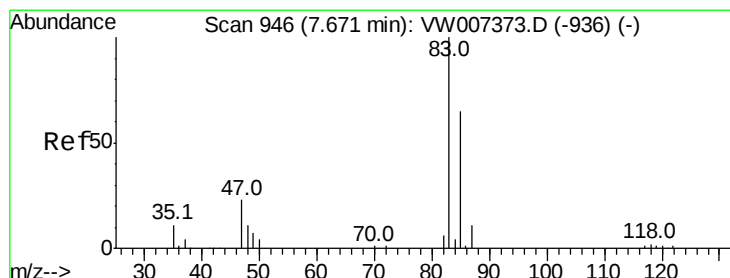
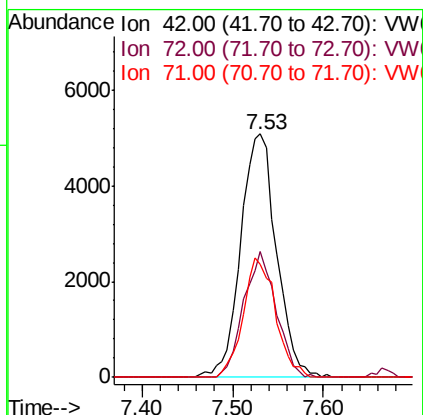
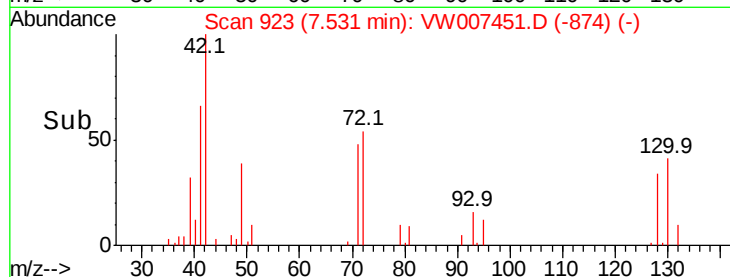
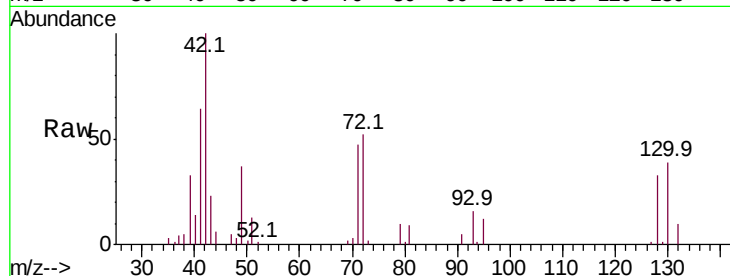




#29
Tetrahydrofuran
Concen: 103.071 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

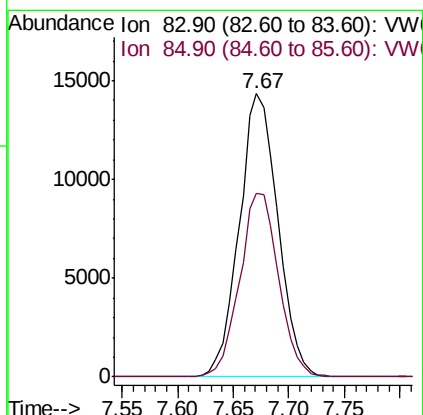
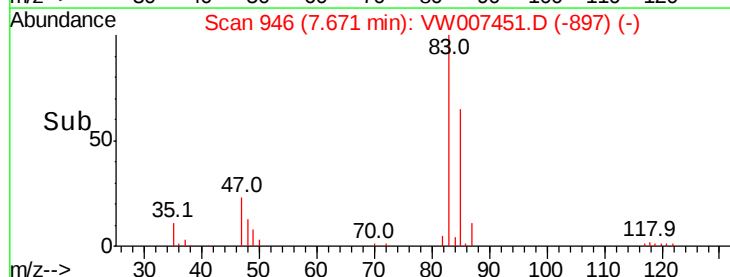
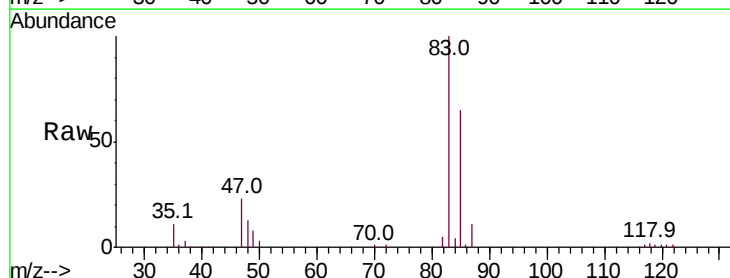
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

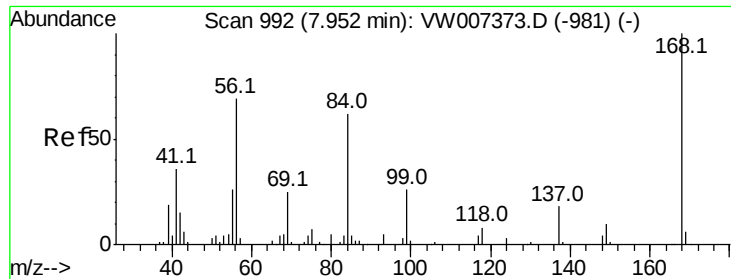
Tot Ion: 42 Resp: 13858
Ion Ratio Lower Upper
42 100
72 46.9 38.2 57.4
71 44.5 35.5 53.3



#30
Chloroform
Concen: 20.176 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 83 Resp: 34625
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.8

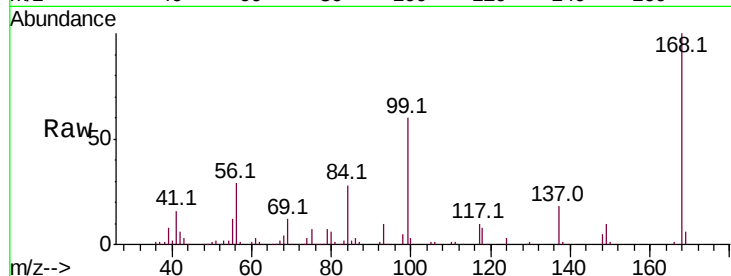




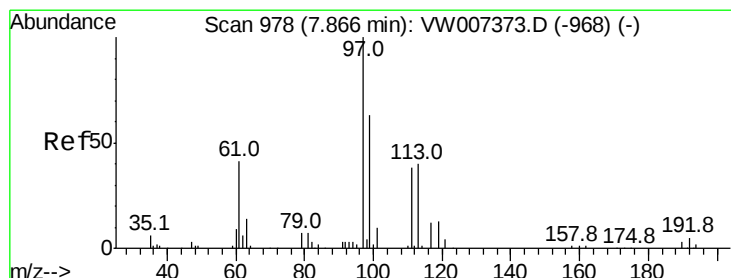
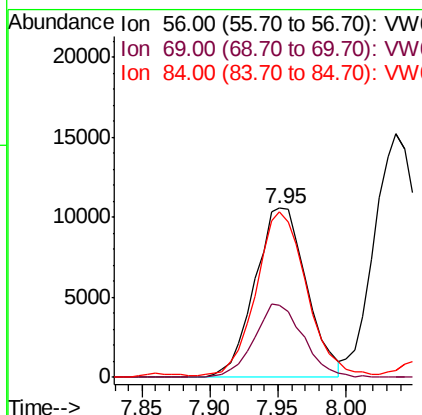
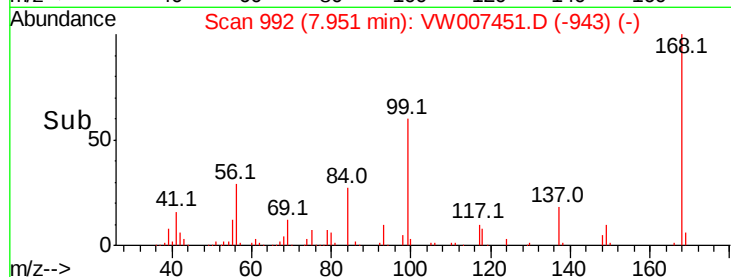
#31
Cyclohexane
Concen: 19.533 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion: 56 Resp: 28261
Ion Ratio Lower Upper
56 100
69 42.6 28.9 43.3
84 96.6 71.8 107.6

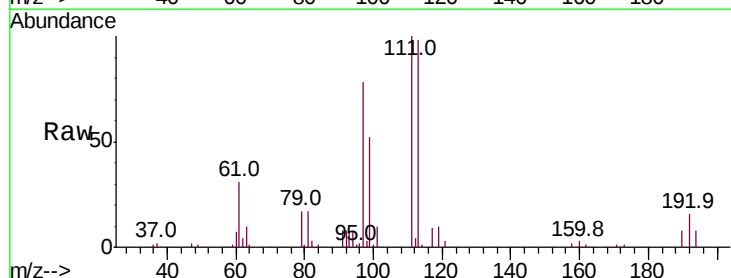


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

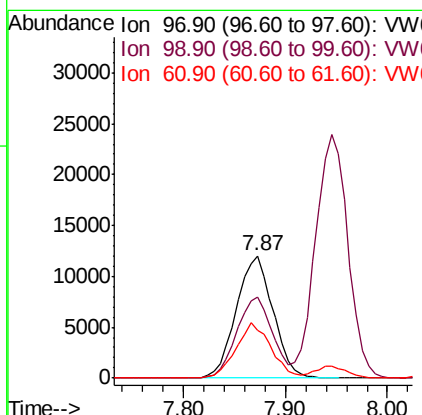
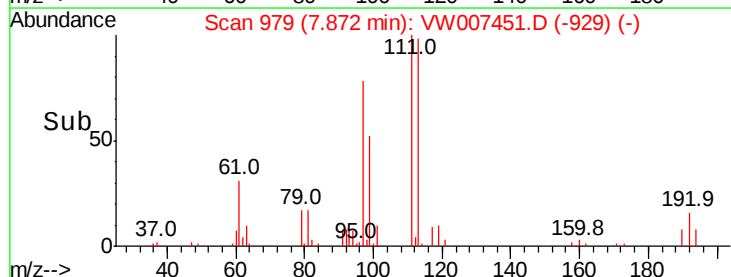


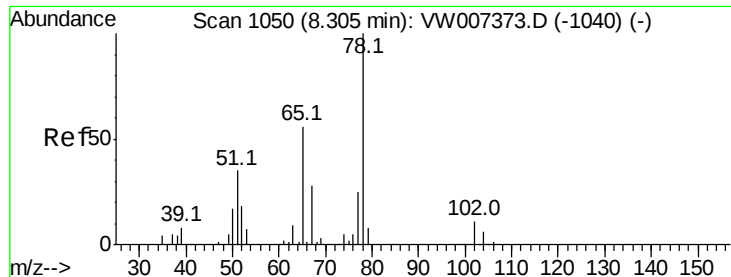
#32
1,1,1-Trichloroethane
Concen: 19.960 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 97 Resp: 30039
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 43.0 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

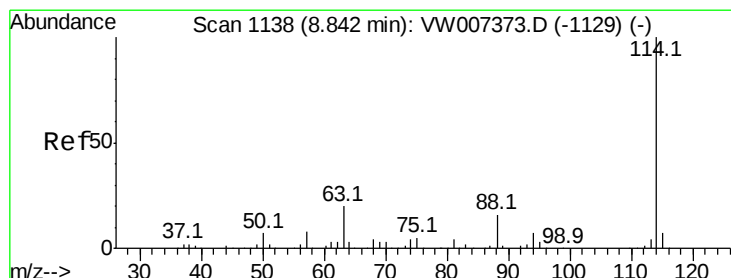
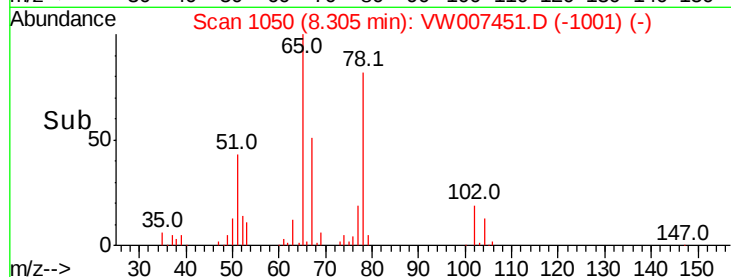
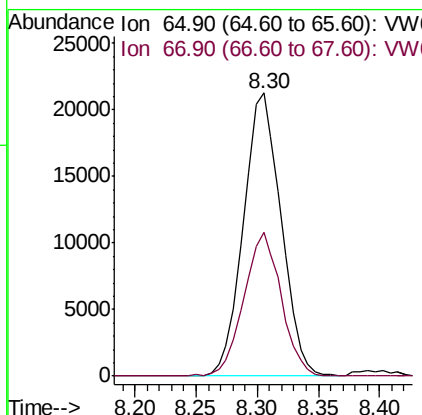
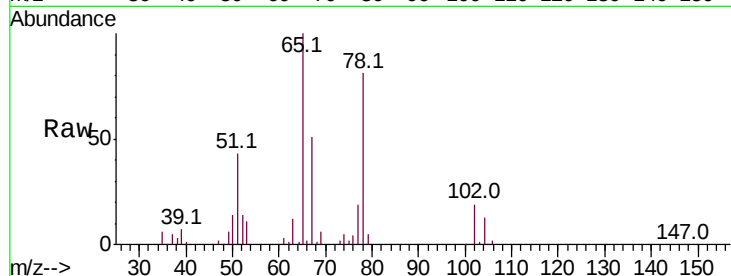




#33
 1,2-Dichloroethane-d4
 Concen: 48.960 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

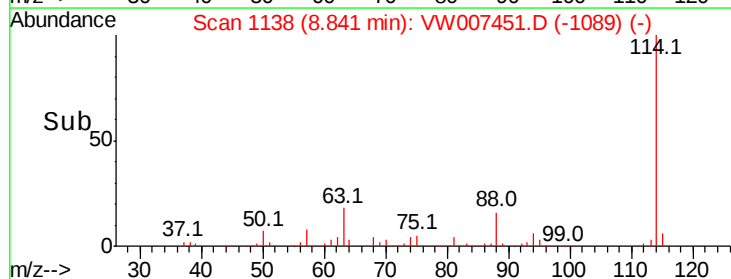
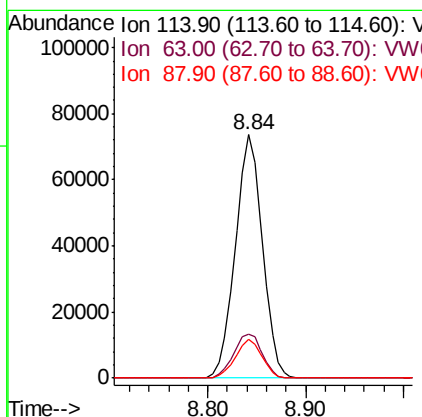
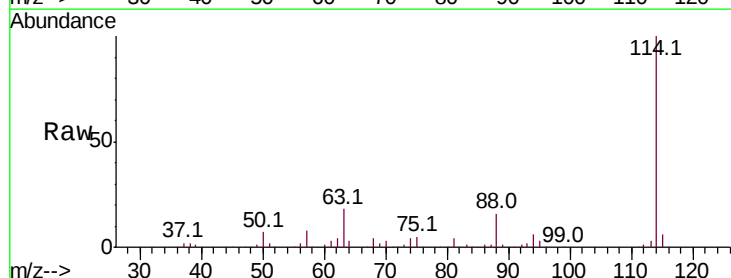
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

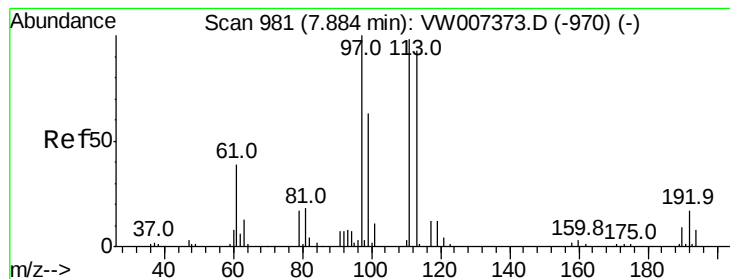
Tot Ion: 65 Resp: 45599
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion: 114 Resp: 141303
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.6
 88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.916 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

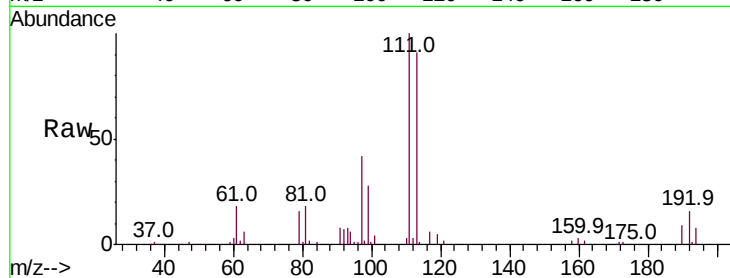
Tot Ion:113 Resp: 41841

Ion Ratio Lower Upper

113 100

111 105.2 81.1 121.7

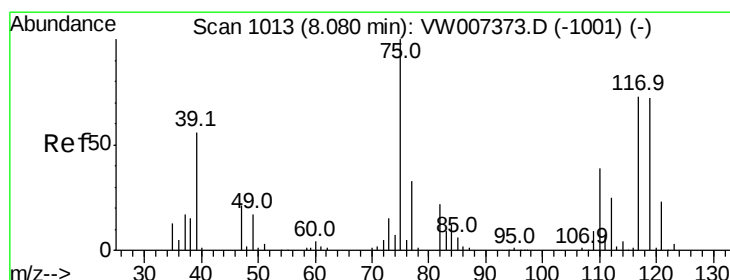
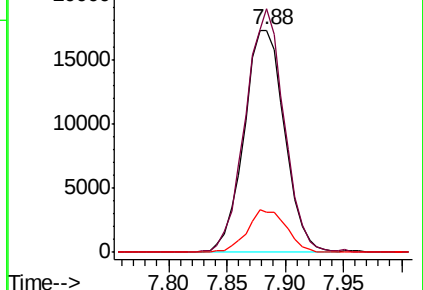
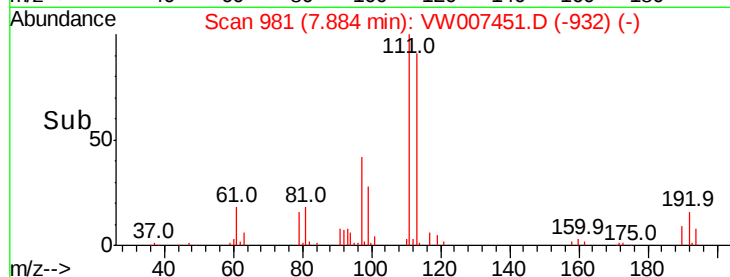
192 18.5 14.6 21.8



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: 19.964 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

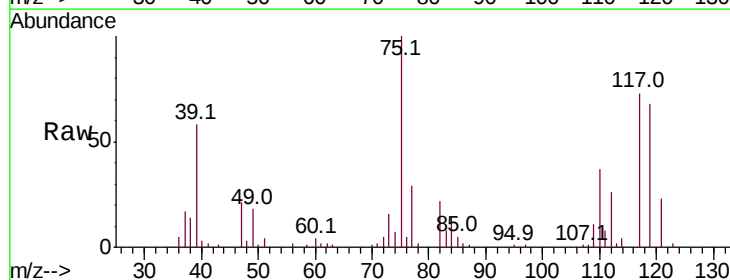
Tgt Ion: 75 Resp: 25734

Ion Ratio Lower Upper

75 100

110 37.7 18.5 55.5

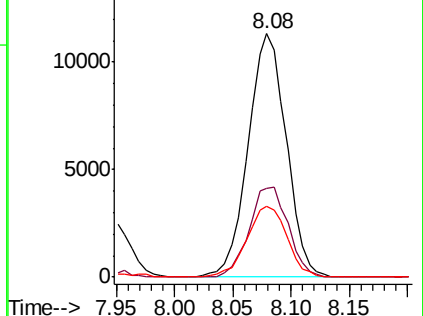
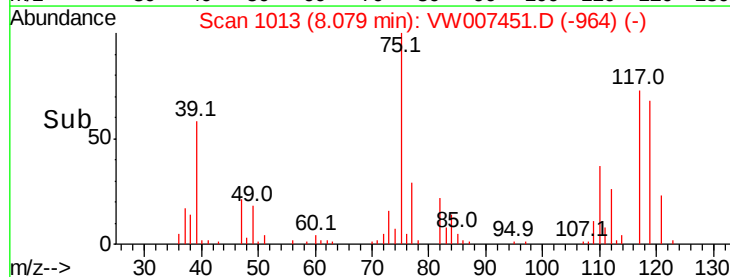
77 30.5 25.6 38.4

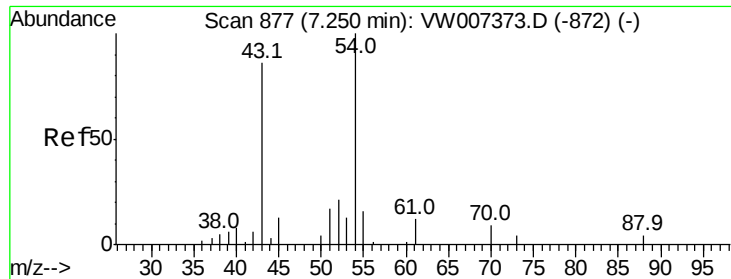


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

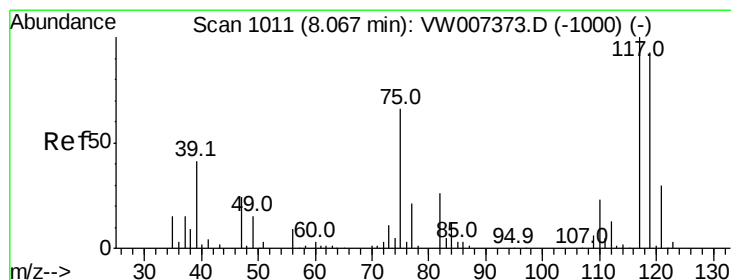
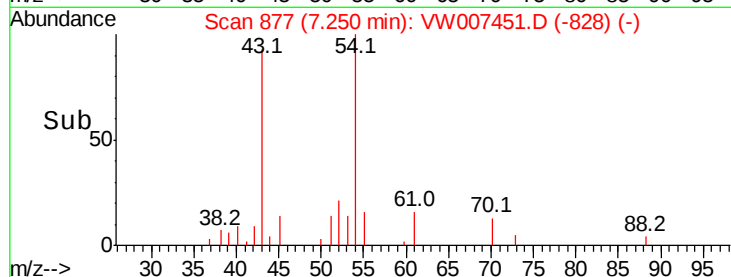
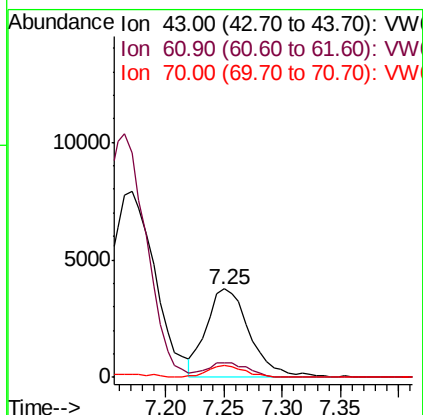
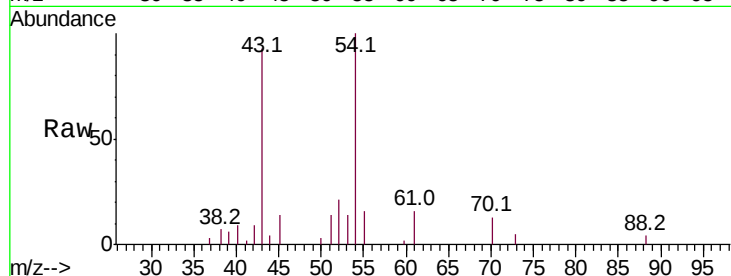




#37
Ethyl Acetate
Concen: 20.282 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

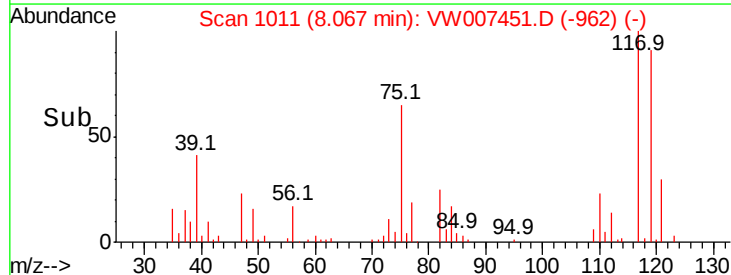
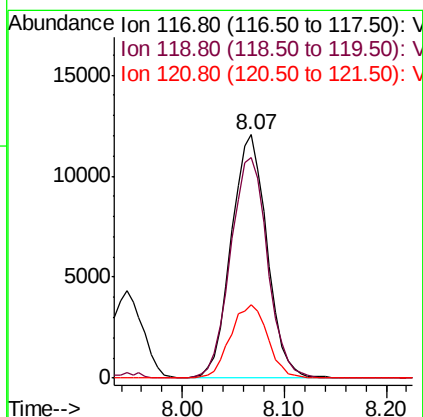
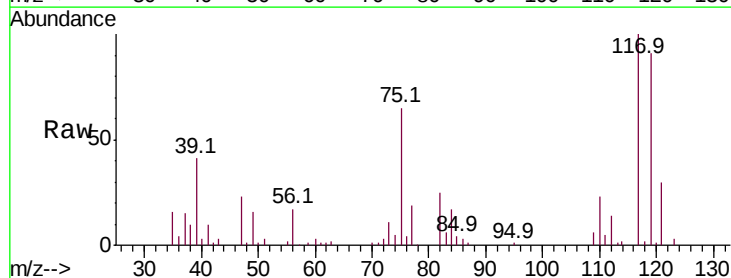
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

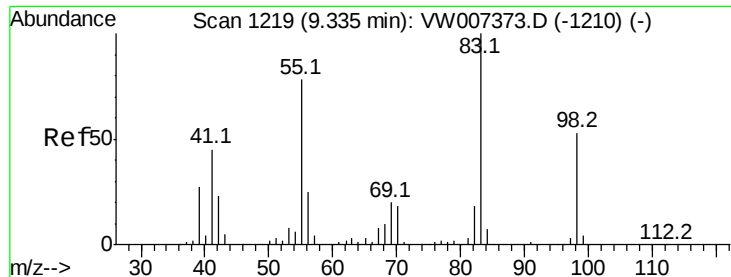
Tot Ion: 43 Resp: 9724
Ion Ratio Lower Upper
43 100
61 16.0 12.1 18.1
70 11.7 10.0 15.0



#38
Carbon Tetrachloride
Concen: 20.894 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 117 Resp: 29305
Ion Ratio Lower Upper
117 100
119 90.5 74.3 111.5
121 29.9 24.3 36.5

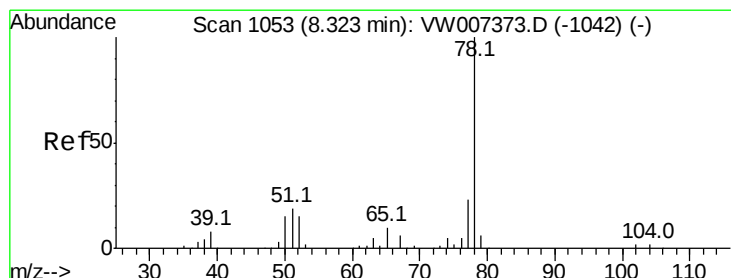
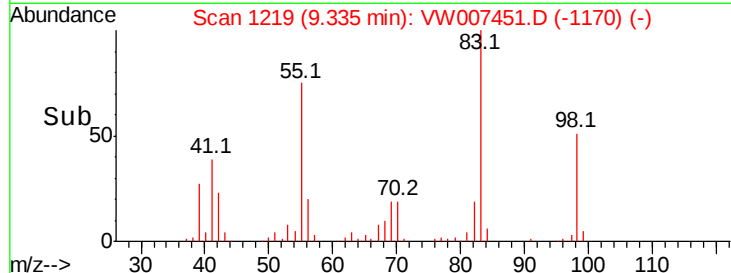
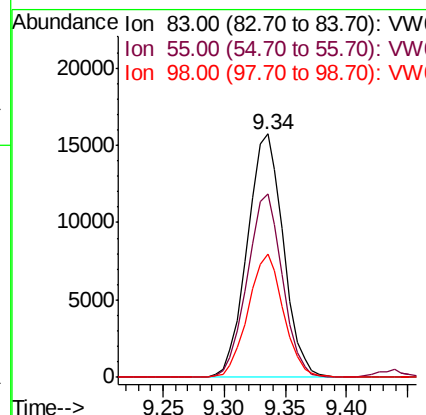
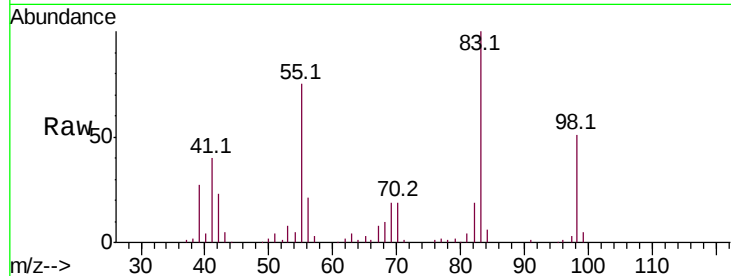




#39
Methvlcvclohexane
Concen: 20.676 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

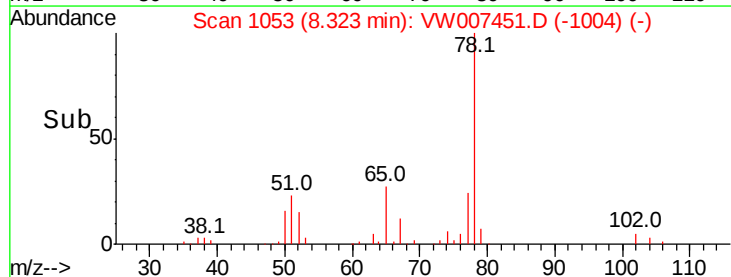
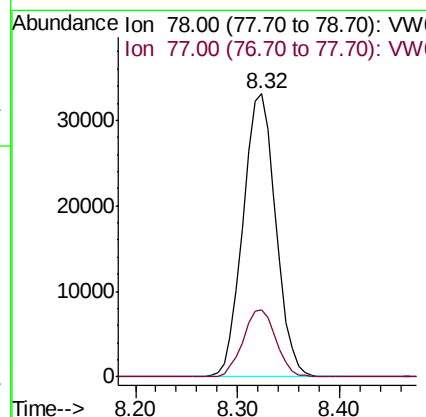
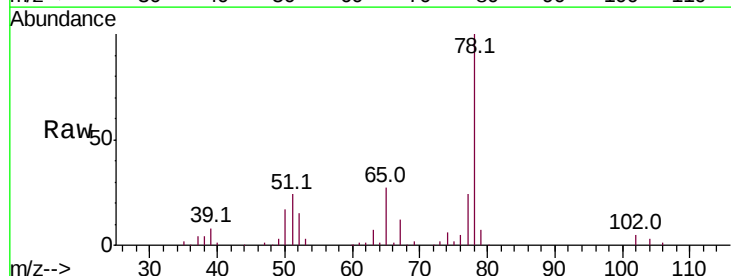
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

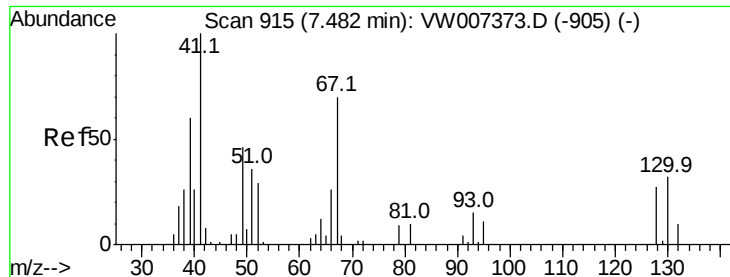
Tot Ion: 83 Resp: 32273
Ion Ratio Lower Upper
83 100
55 75.2 62.8 94.2
98 50.9 42.2 63.2



#40
Benzene
Concen: 20.640 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 78 Resp: 73835
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

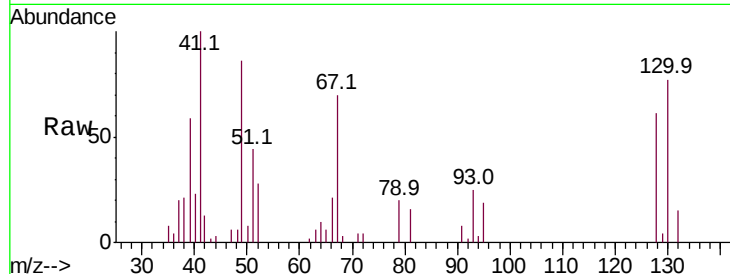




#41
Methacrylonitrile
Concen: 20.699 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion:	41	Resp:	5651
Ion	Ratio	Lower	Upper
41	100		
39	66.0	52.2	78.2
67	81.1	60.5	90.7
52	32.3	25.3	37.9



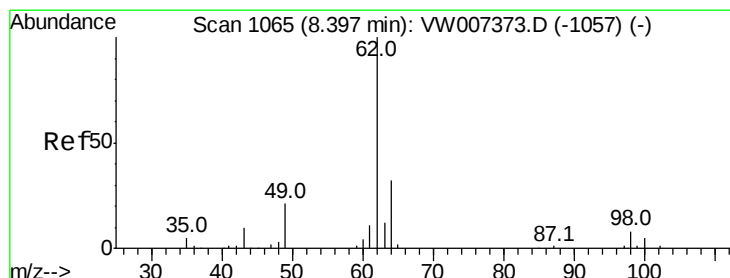
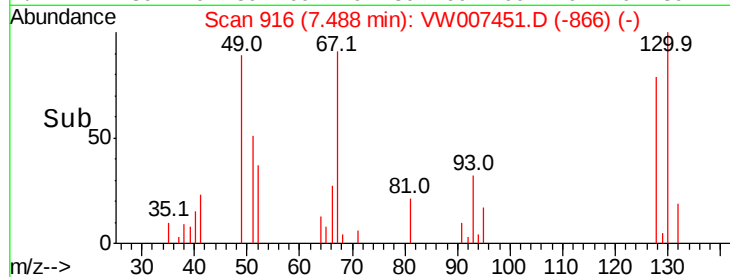
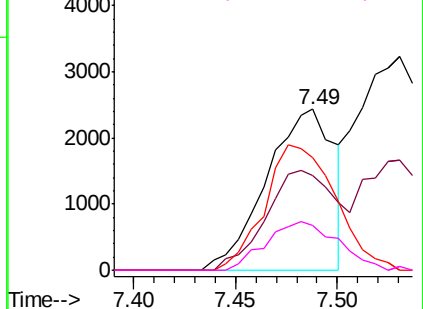
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

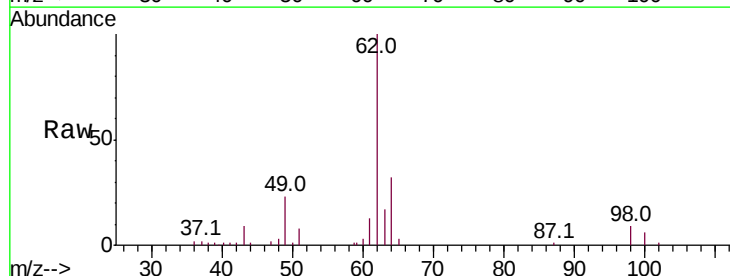
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 20.701 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

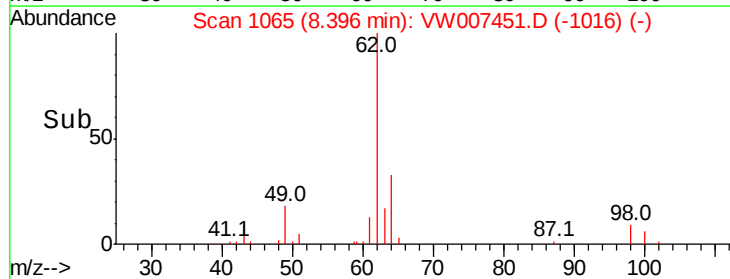
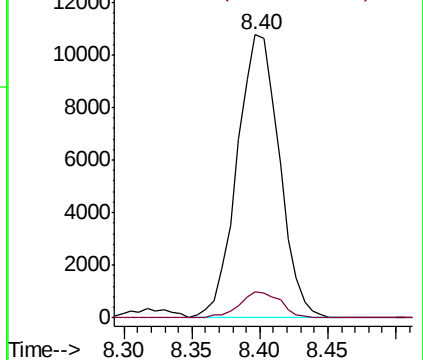
Tgt Ion:	62	Resp:	23262
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.6

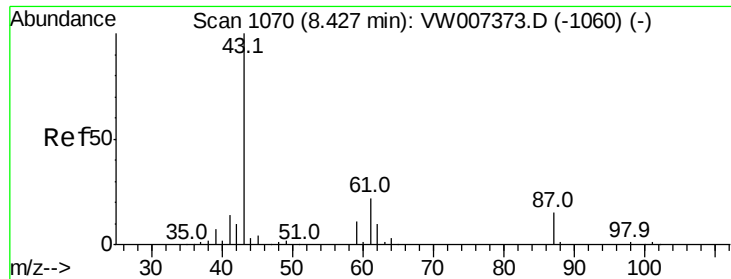


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.980 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

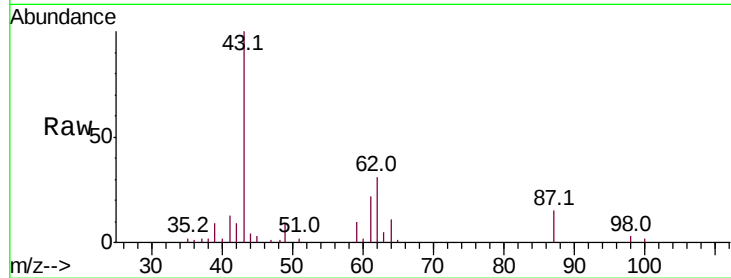
Tot Ion: 43 Resp: 19869

Ion Ratio Lower Upper

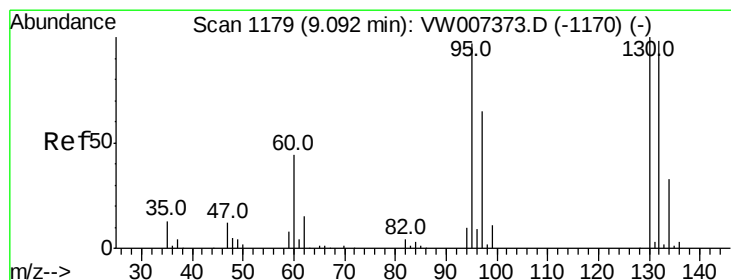
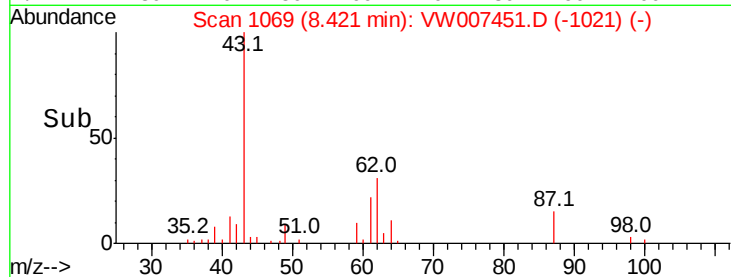
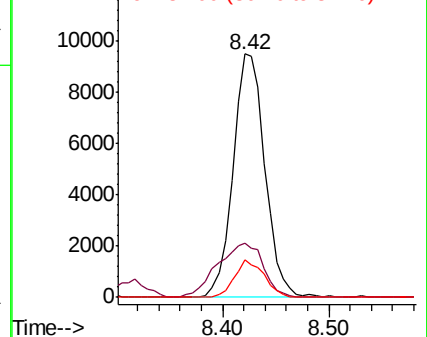
43 100

61 31.5 25.3 37.9

87 14.3 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.696 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW007451.D

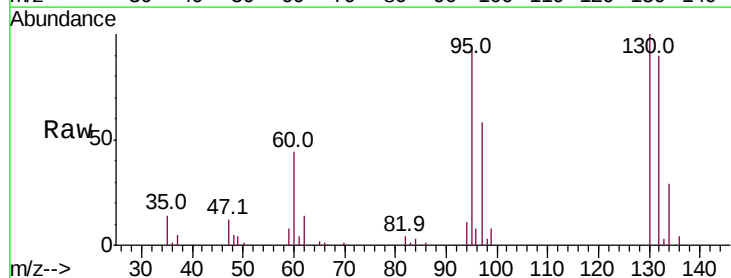
Acq: 12 Dec 2018 21:29

Tgt Ion: 130 Resp: 21141

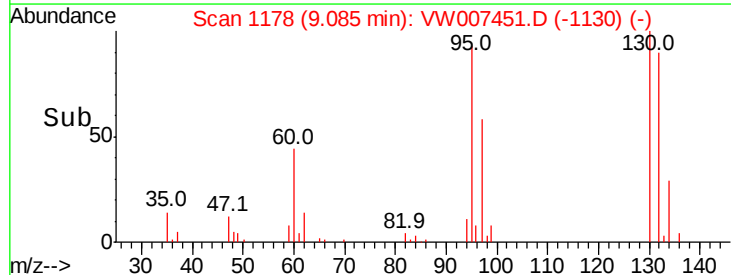
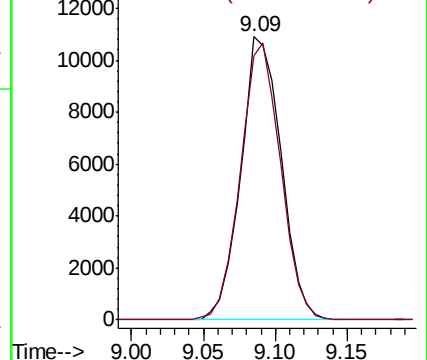
Ion Ratio Lower Upper

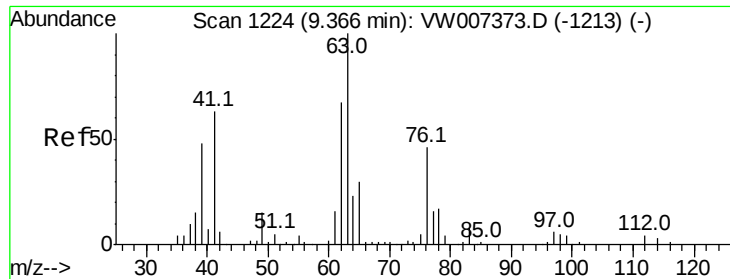
130 100

95 93.4 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.898 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

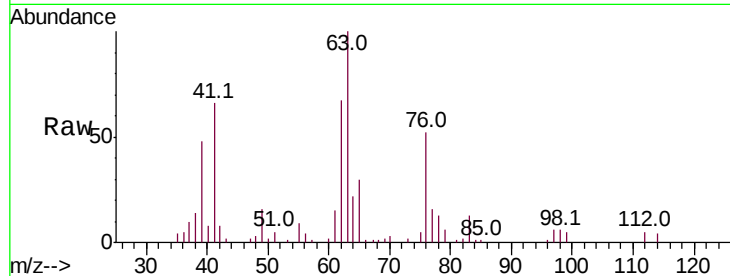
VW1215SBS01

Tot Ion: 63 Resp: 17300

Ion Ratio Lower Upper

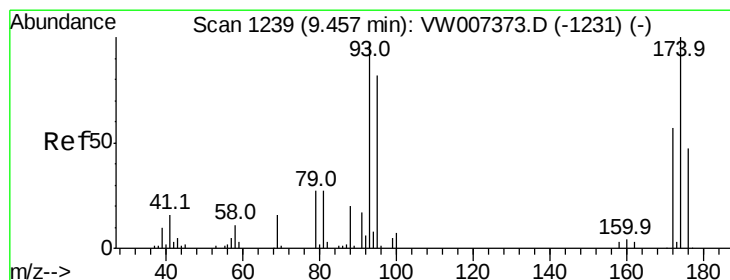
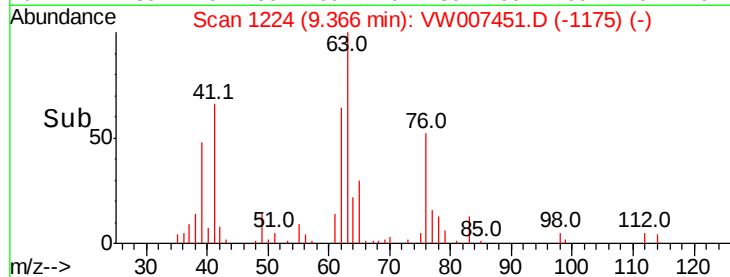
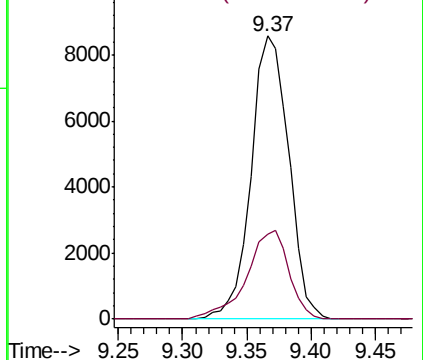
63 100

65 30.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.044 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

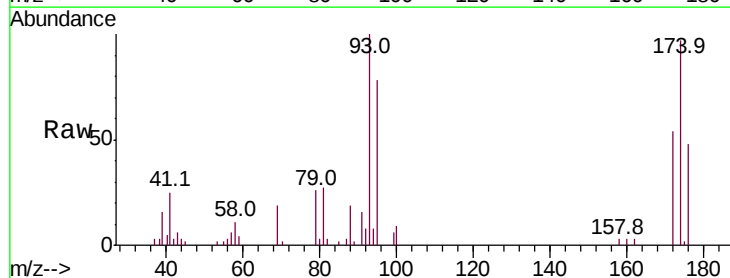
Tgt Ion: 93 Resp: 9893

Ion Ratio Lower Upper

93 100

95 82.0 68.0 102.0

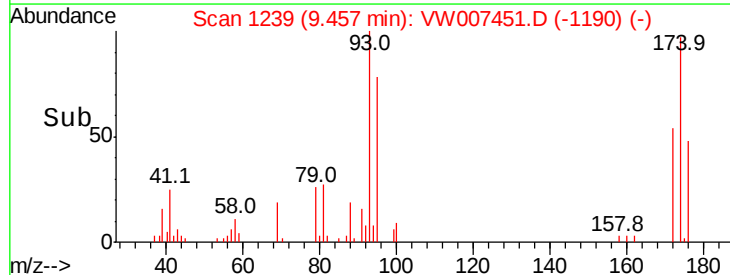
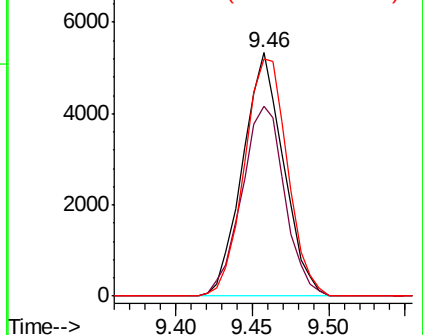
174 103.1 83.2 124.8

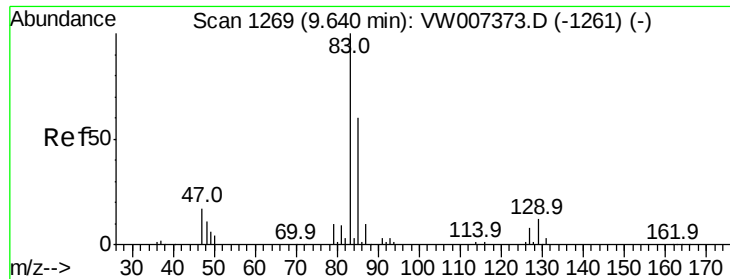


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

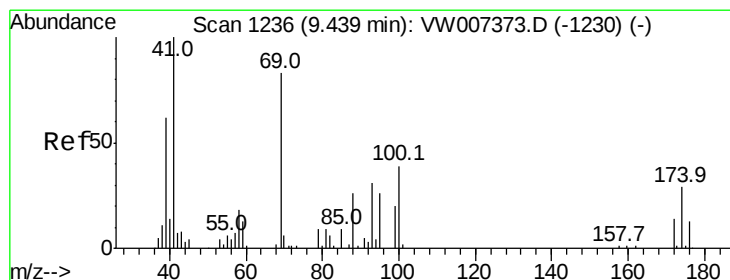
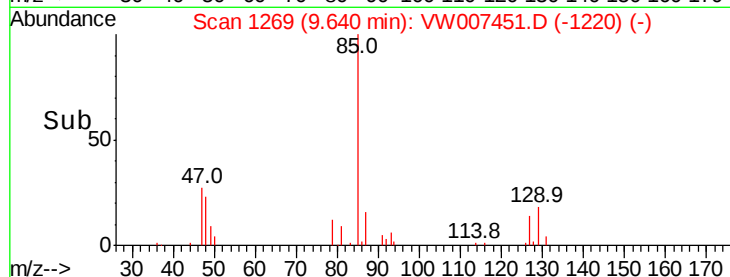
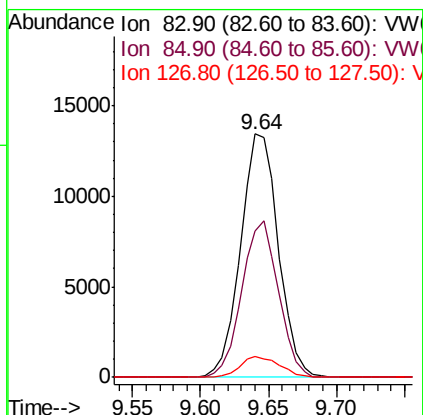
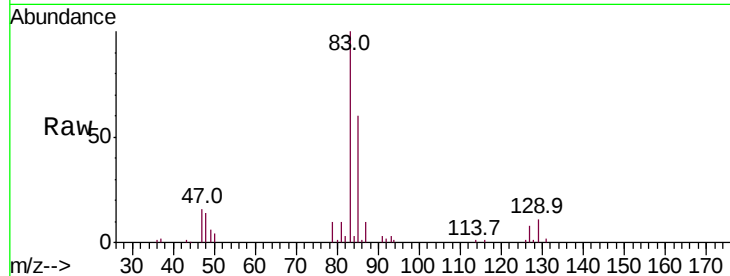




#47
Bromodichloromethane
Concen: 21.095 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

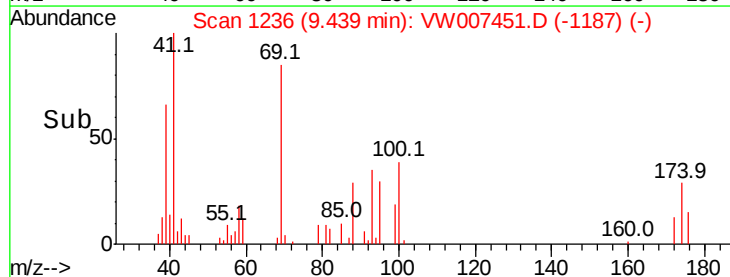
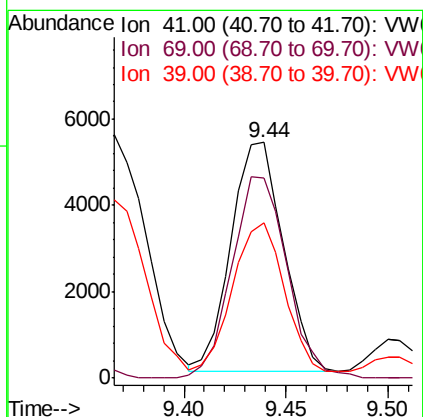
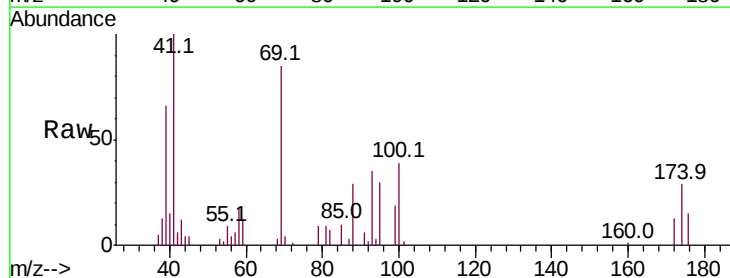
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

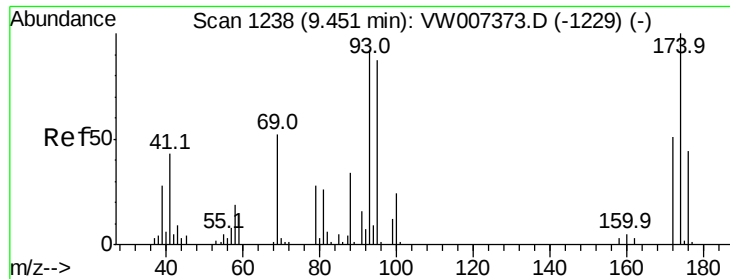
Tot Ion: 83 Resp: 26012
Ion Ratio Lower Upper
83 100
85 60.4 47.6 71.4
127 8.4 6.7 10.1



#48
Methyl methacrylate
Concen: 19.487 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 41 Resp: 9478
Ion Ratio Lower Upper
41 100
69 92.6 69.8 104.8
39 65.0 50.9 76.3

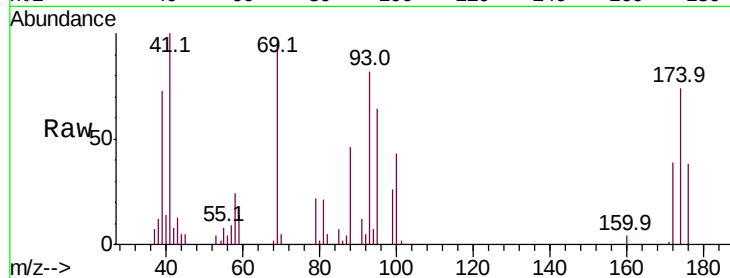




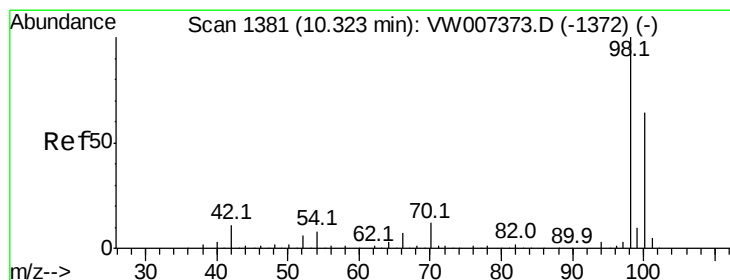
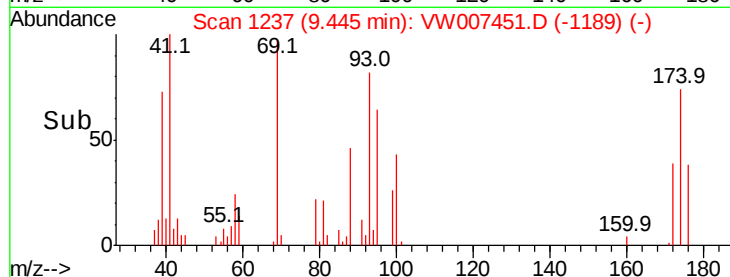
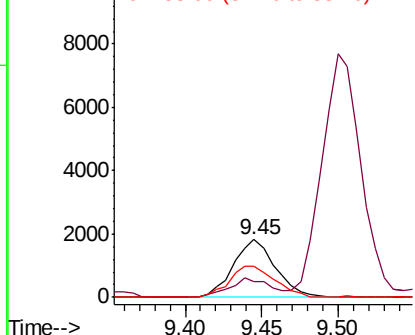
#49
1,4-Dioxane
Concen: 456.621 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion: 88 Resp: 3483
Ion Ratio Lower Upper
88 100
43 33.9 25.0 37.4
58 58.3 51.4 77.2

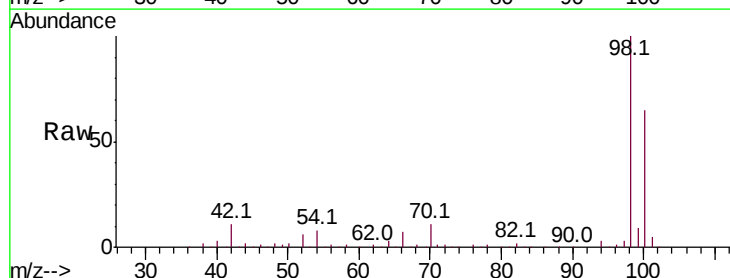


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

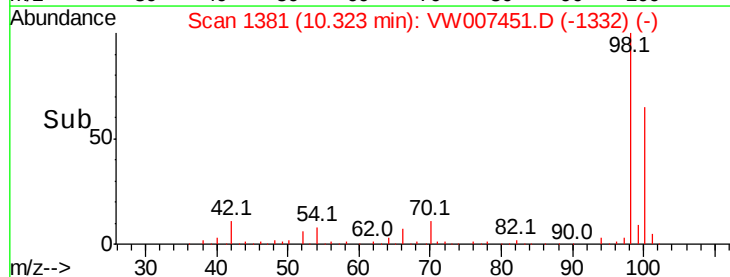
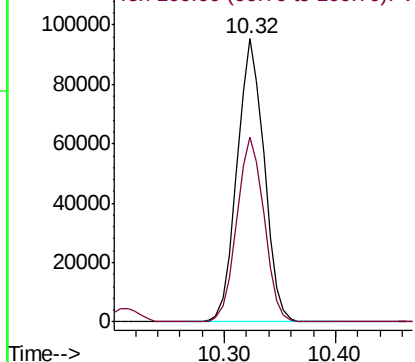


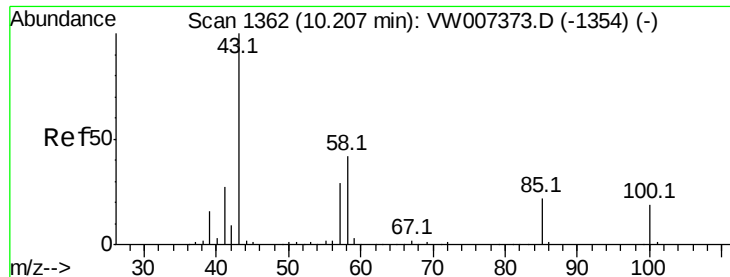
#50
Toluene-d8
Concen: 49.995 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 98 Resp: 160340
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 104.454 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

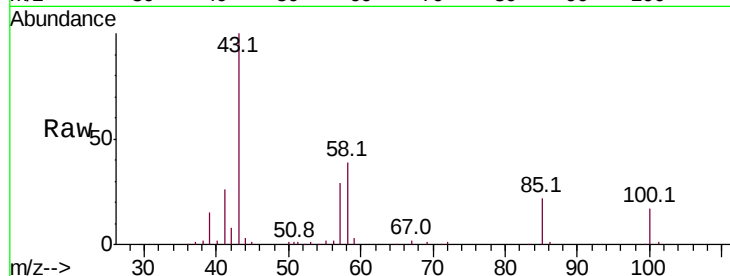
VW1215SBS01

Tot Ion: 43 Resp: 46740

Ion Ratio Lower Upper

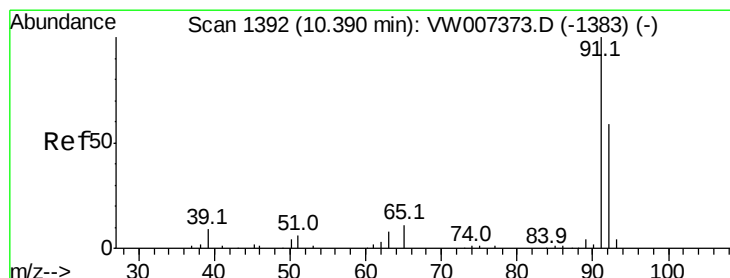
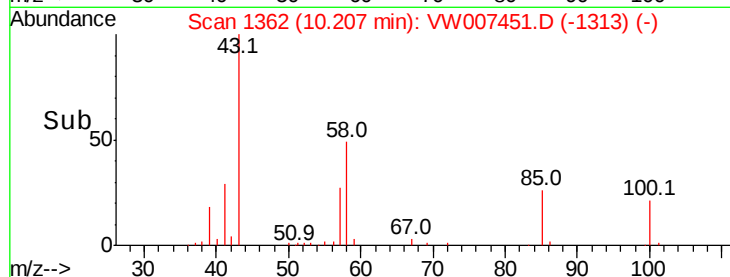
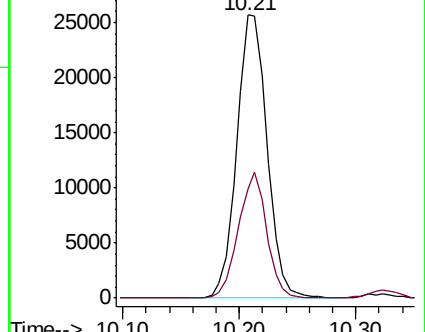
43 100

58 41.3 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: 20.910 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007451.D

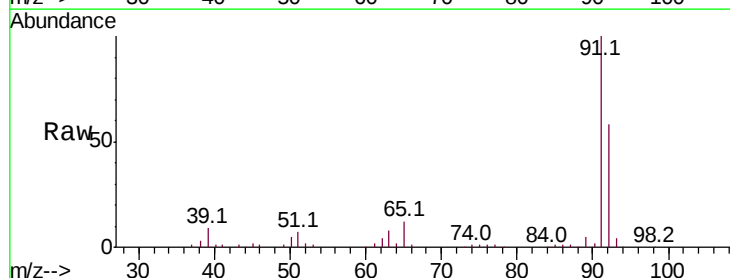
Acq: 12 Dec 2018 21:29

Tgt Ion: 92 Resp: 48406

Ion Ratio Lower Upper

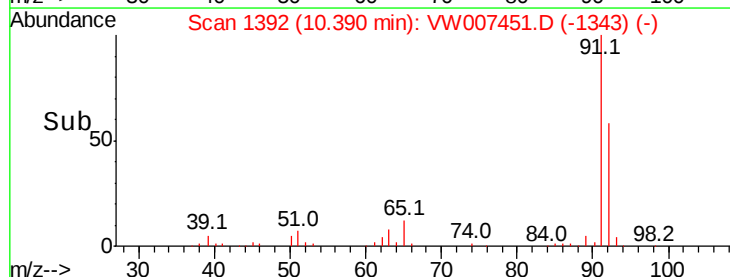
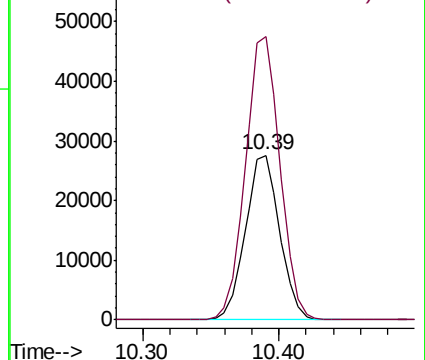
92 100

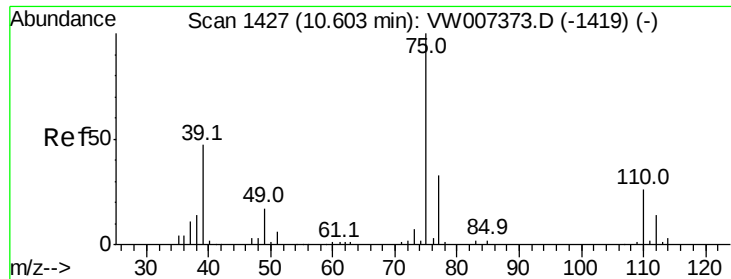
91 173.9 136.2 204.2



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: 21.182 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

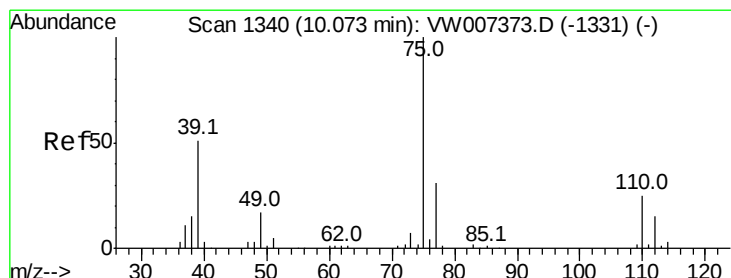
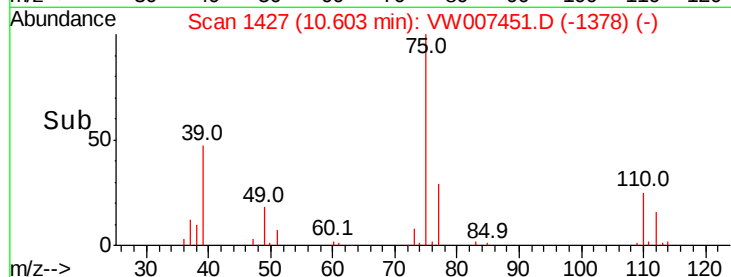
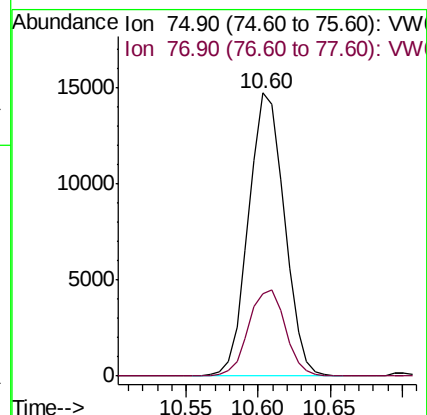
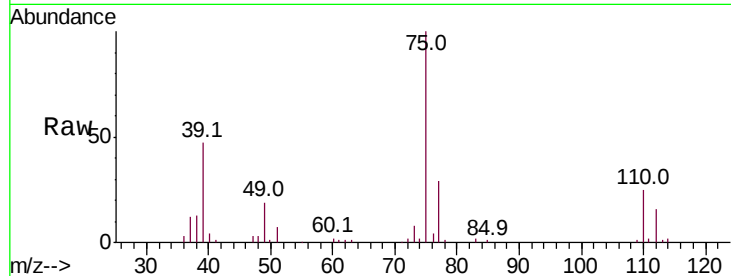
VW1215SBS01

Tot Ion: 75 Resp: 25357

Ion Ratio Lower Upper

75 100

77 29.0 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 20.387 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

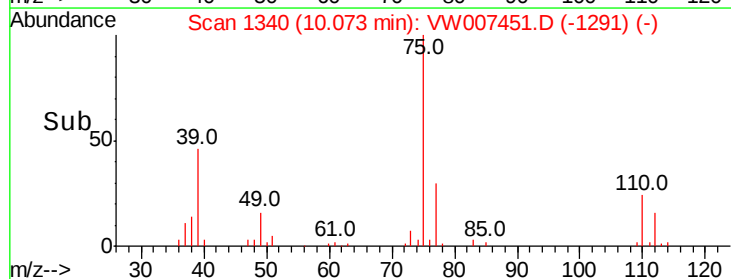
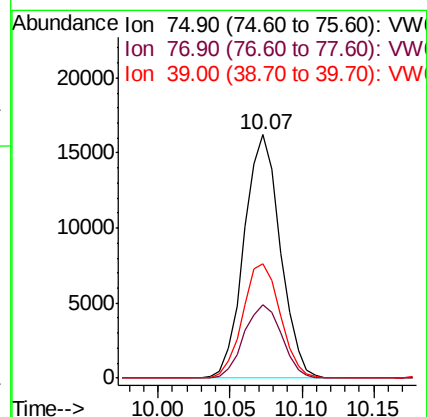
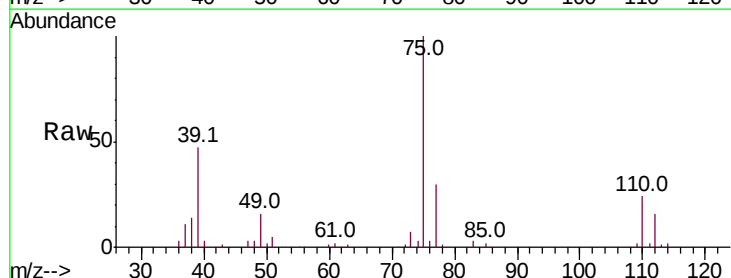
Tgt Ion: 75 Resp: 28213

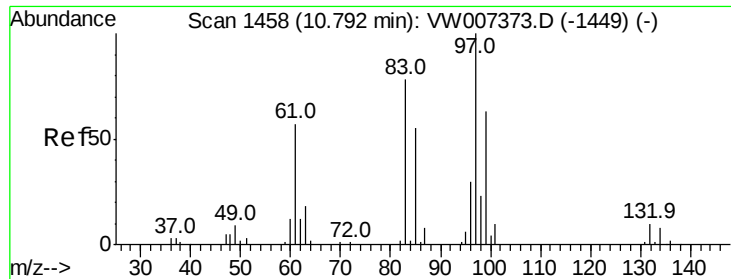
Ion Ratio Lower Upper

75 100

77 30.1 24.8 37.2

39 46.8 40.9 61.3

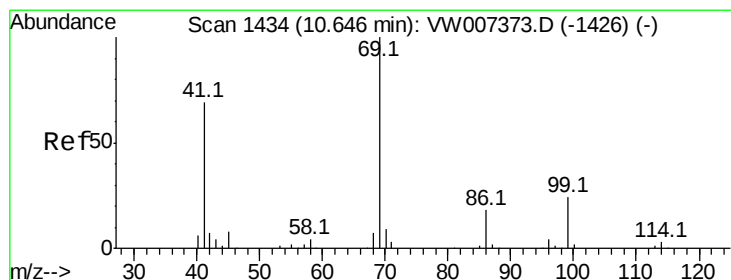
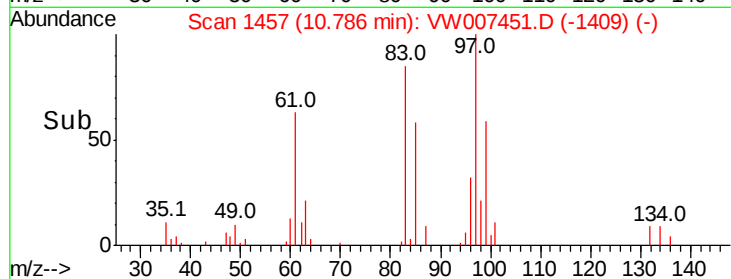
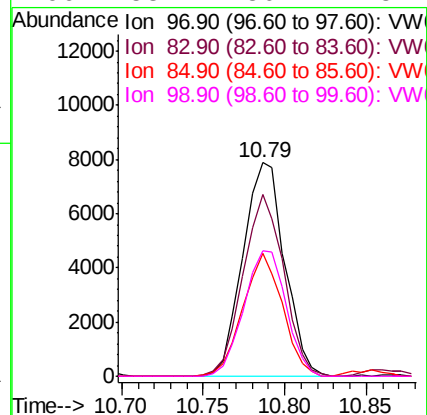
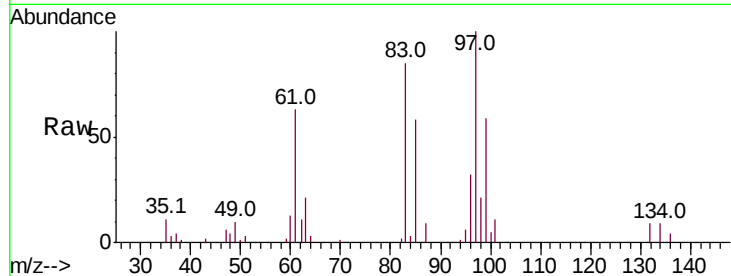




#55
 1,1,2-Trichloroethane
 Concen: 22.005 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

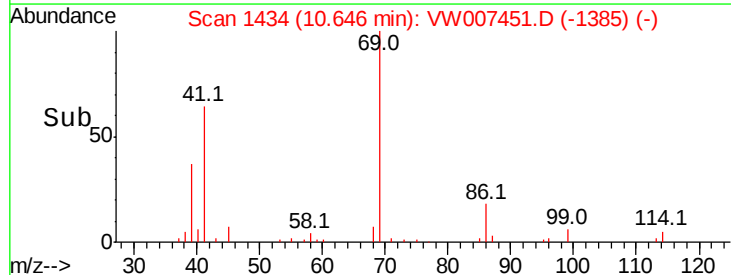
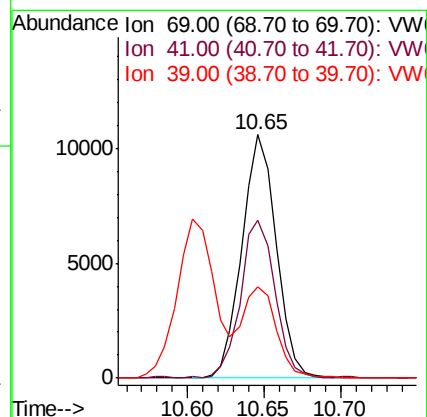
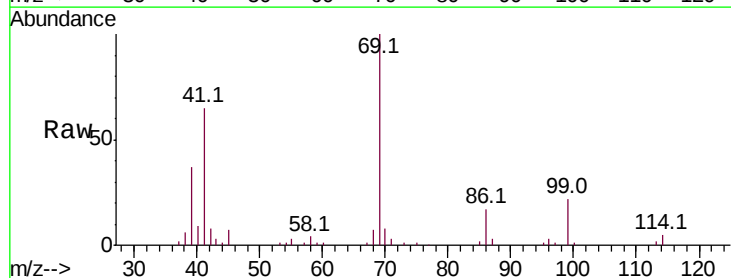
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

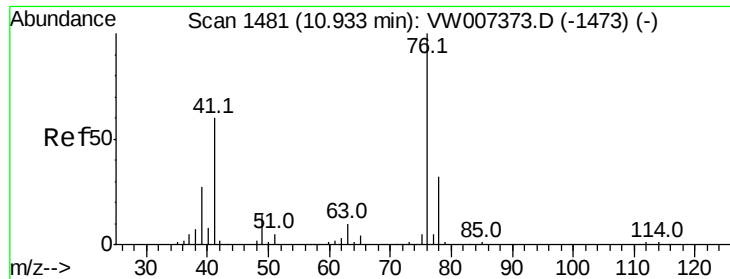
Tot Ion:	97	Resp:	14079
Ion	Ratio	Lower	Upper
97	100		
83	85.1	62.1	93.1
85	57.7	44.2	66.4
99	58.7	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 21.526 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion:	69	Resp:	16554
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.0	76.6
39	37.4	30.8	46.2





#57

1,3-Dichloropropane

Concen: 22.100 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

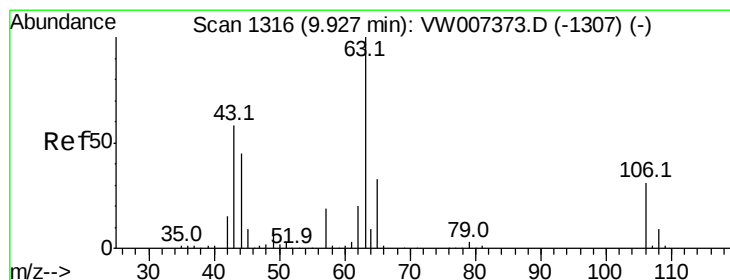
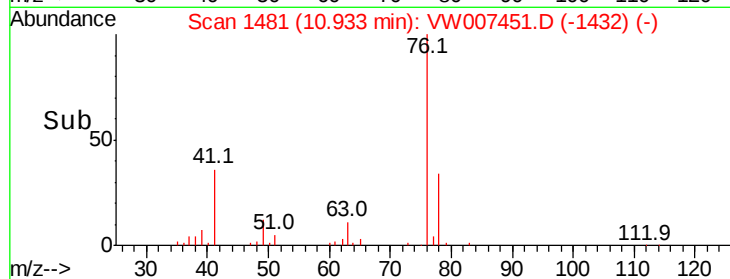
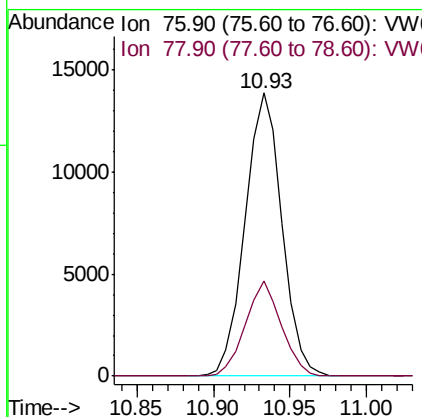
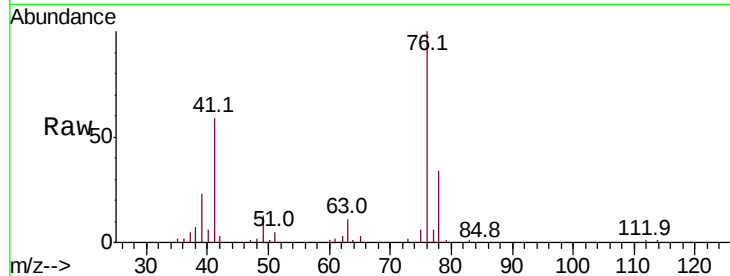
Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion: 76 Resp: 23209

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4



#58

2-Chloroethyl Vinyl ether

Concen: 92.478 ug/l

RT: 9.93 min Scan# 1316

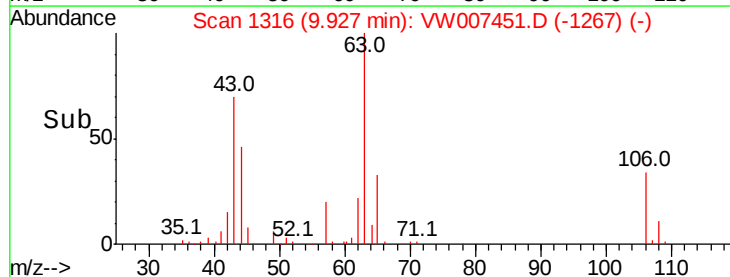
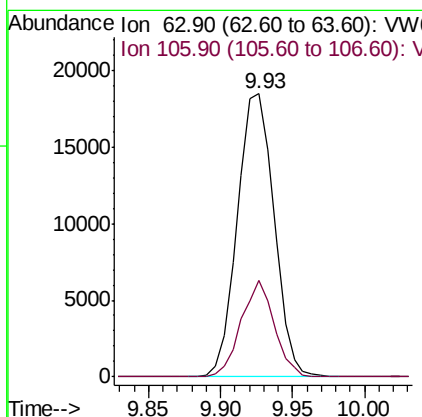
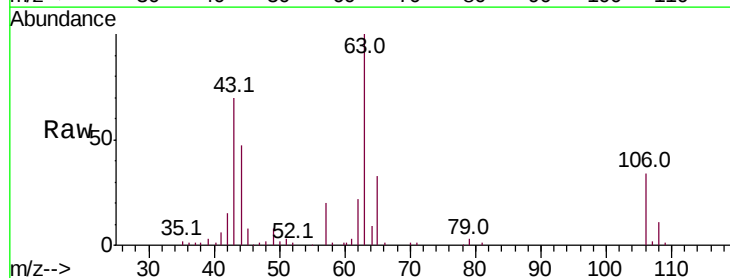
Delta R.T. -0.00 min

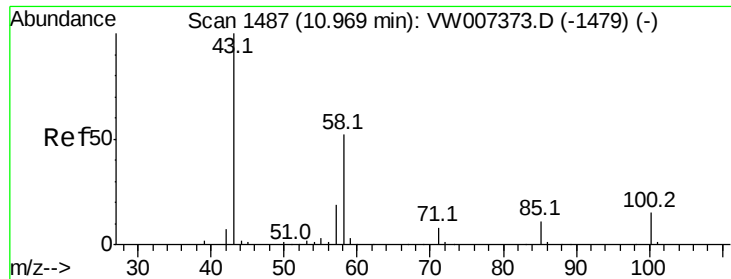
Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Tgt Ion: 63 Resp: 32796

Ion	Ratio	Lower	Upper
63	100		
106	30.6	25.0	37.6





#59

2-Hexanone

Concen: 109.719 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

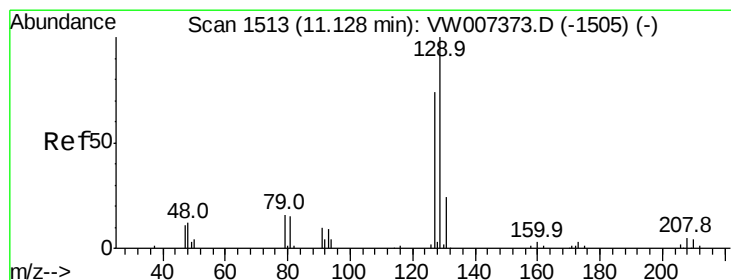
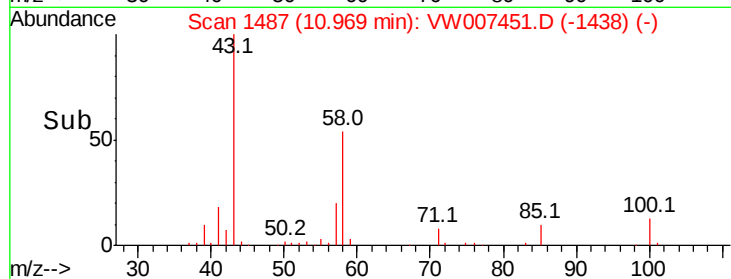
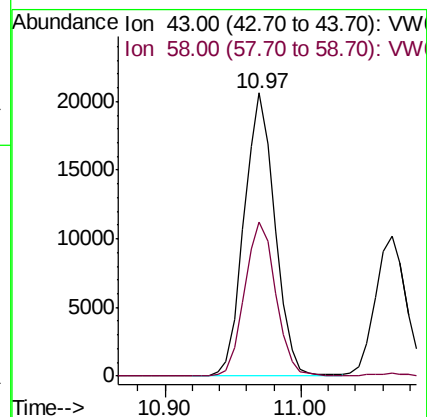
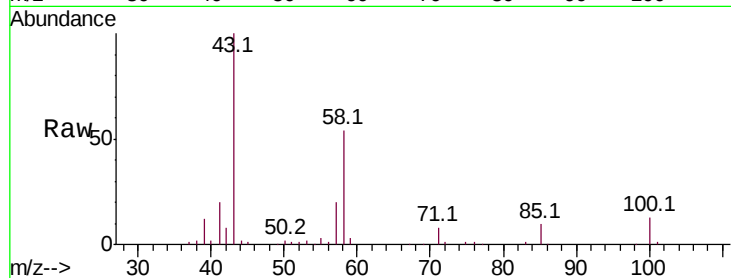
VW1215SBS01

Tot Ion: 43 Resp: 32737

Ion Ratio Lower Upper

43 100

58 54.8 27.1 81.3



#60

Dibromochloromethane

Concen: 21.344 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007451.D

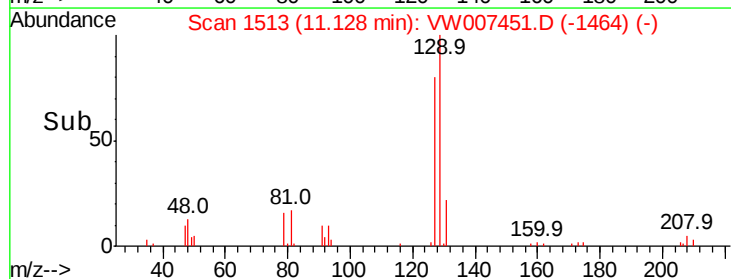
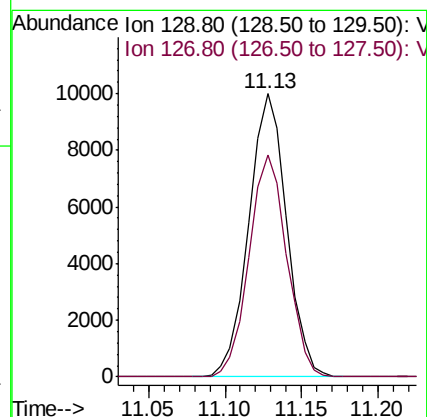
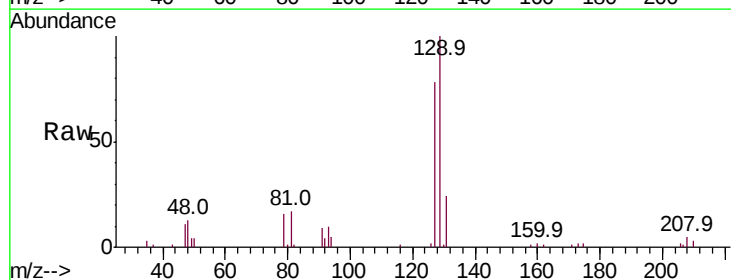
Acq: 12 Dec 2018 21:29

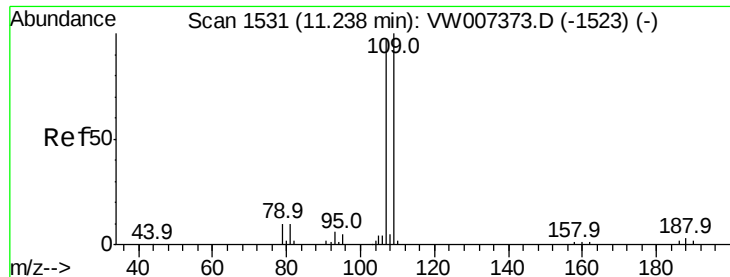
Tgt Ion: 129 Resp: 17234

Ion Ratio Lower Upper

129 100

127 77.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.630 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

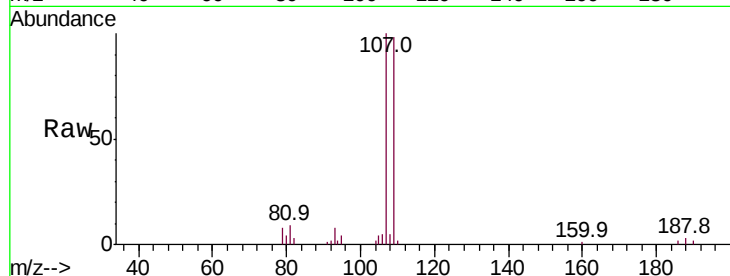
VW1215SBS01

Tot Ion:107 Resp: 13676

Ion Ratio Lower Upper

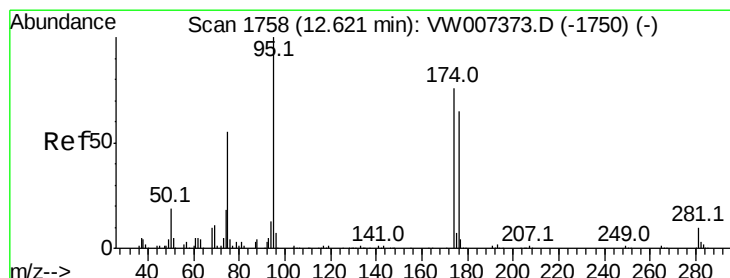
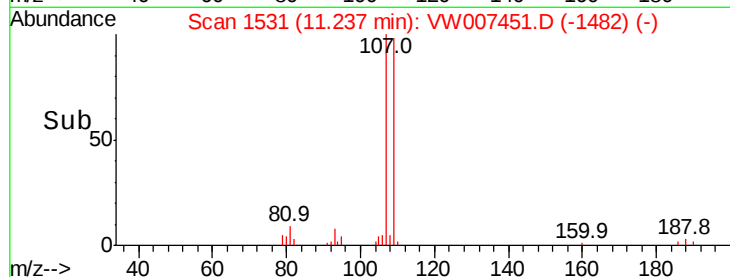
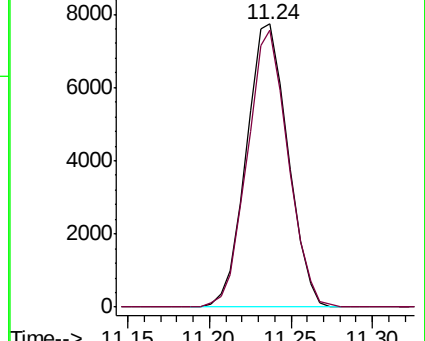
107 100

109 95.9 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.710 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

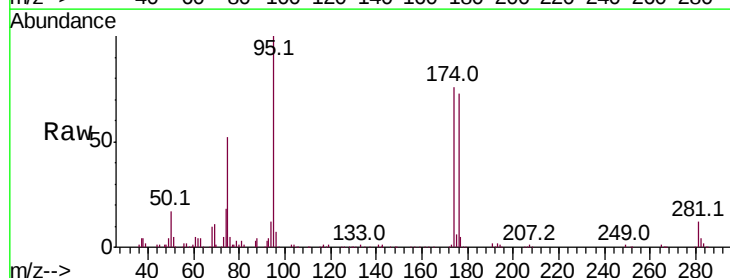
Tgt Ion: 95 Resp: 60975

Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.2

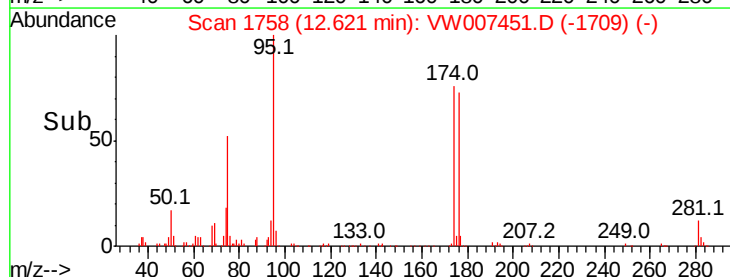
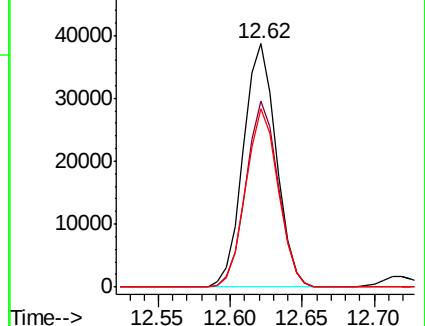
176 72.7 0.0 138.8

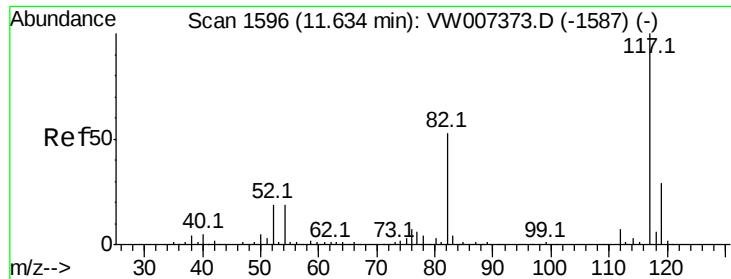


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

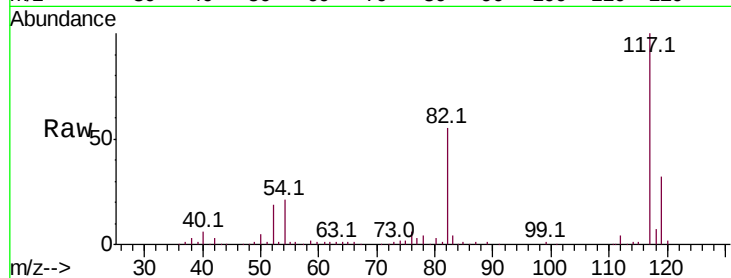




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.3	63.5
119	32.4	23.0	34.6

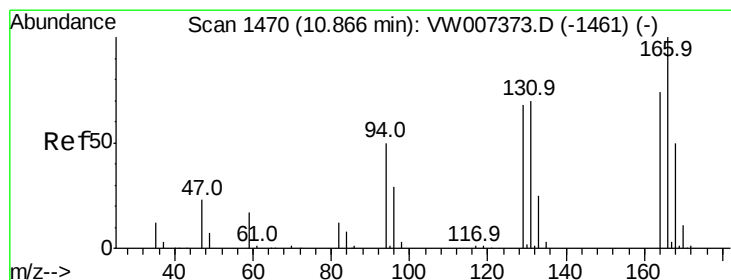
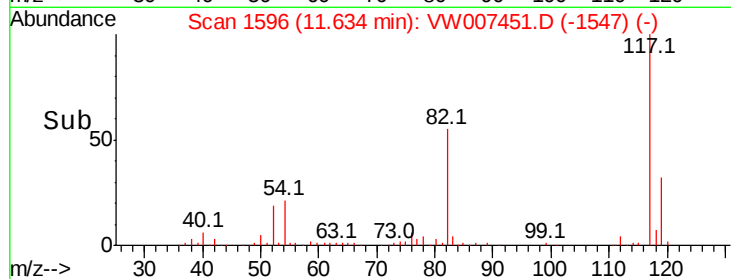
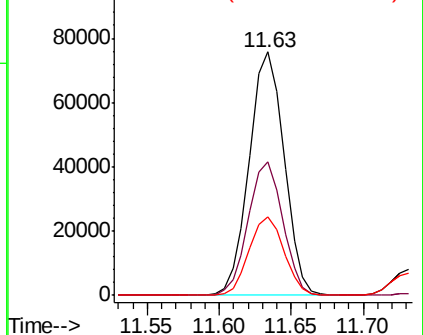


Abundance

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: 19.448 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	107.9	161.9
129	101.1	73.4	110.2
131	96.0	75.8	113.6

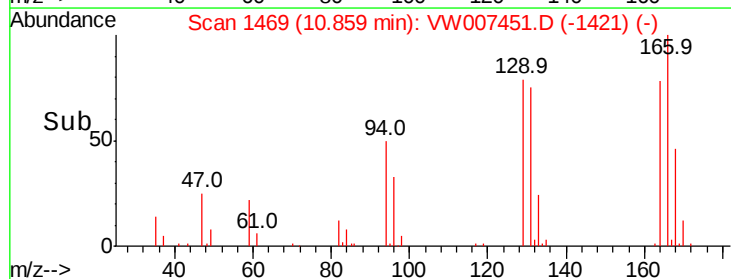
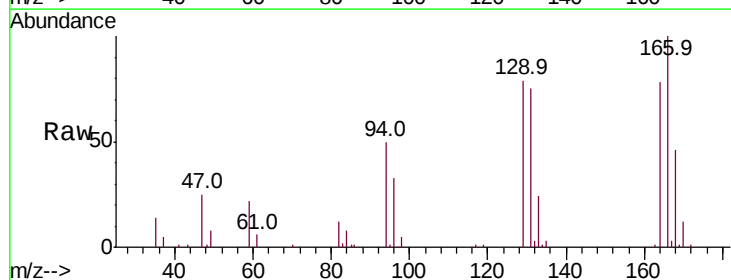
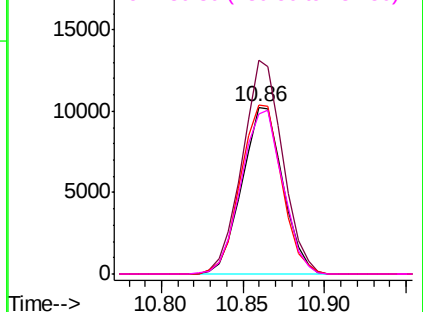
Abundance

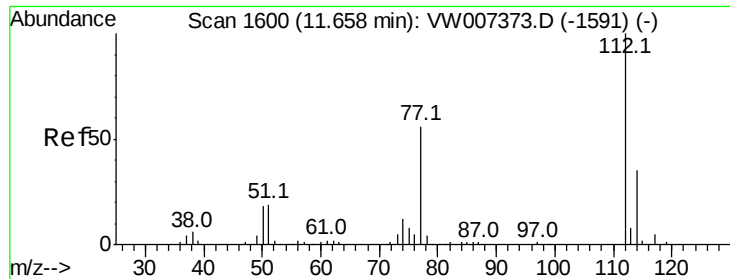
Ion 163.80 (163.50 to 164.50): V

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

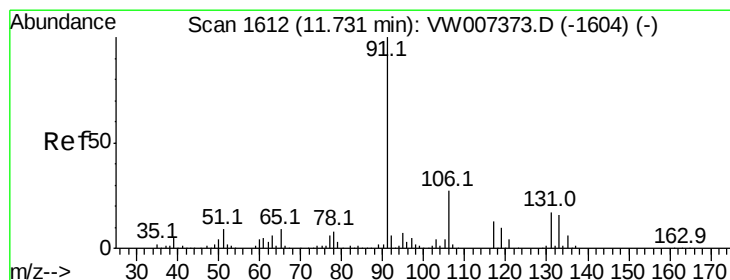
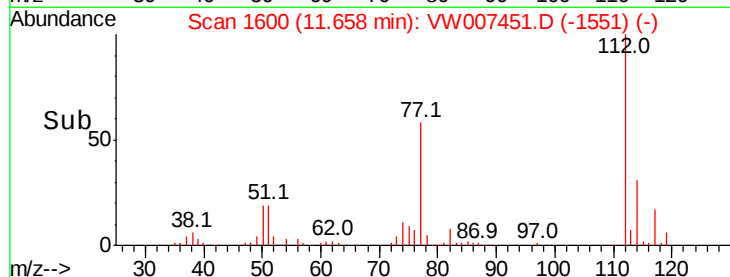
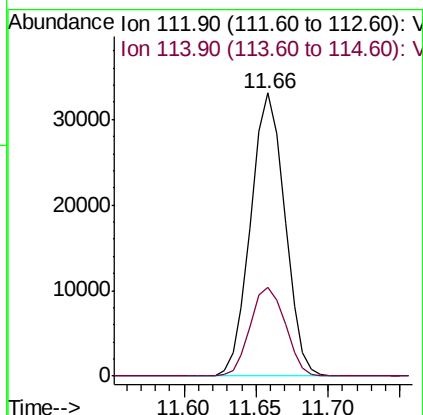
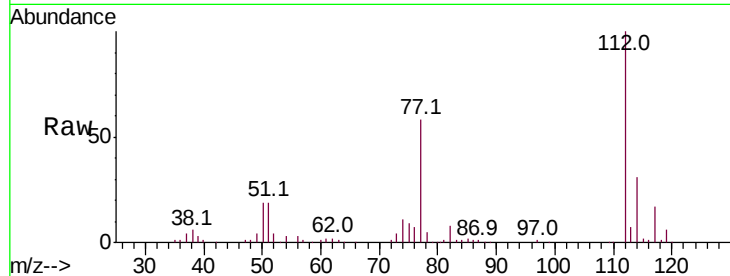




#65
Chlorobenzene
Concen: 20.497 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

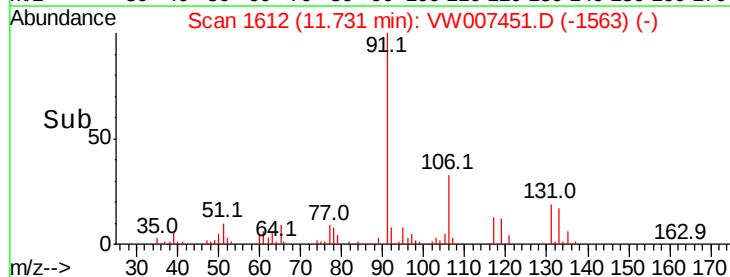
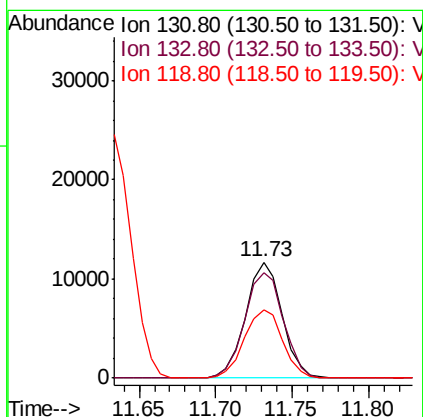
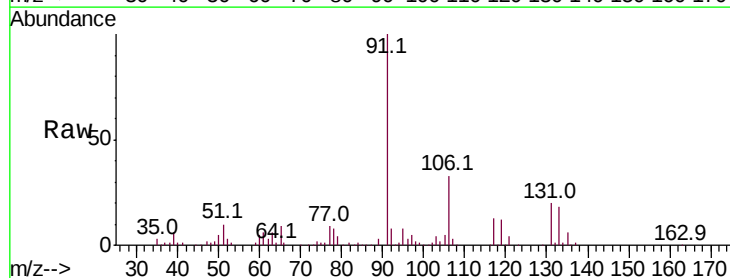
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

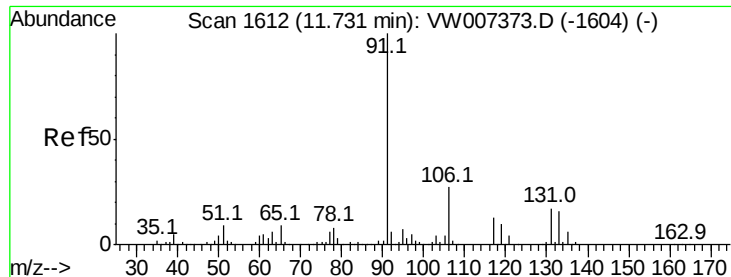
Tot Ion:112 Resp: 54324
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.716 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion:131 Resp: 19337
Ion Ratio Lower Upper
131 100
133 96.4 47.1 141.4
119 62.1 31.3 93.9

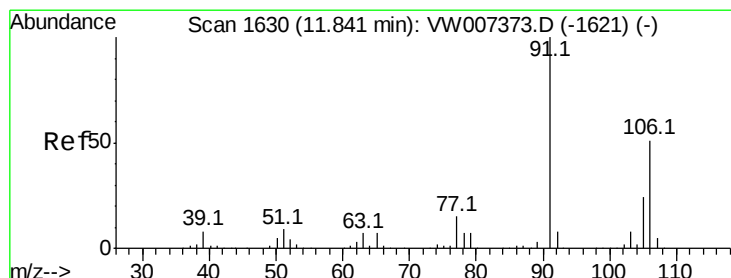
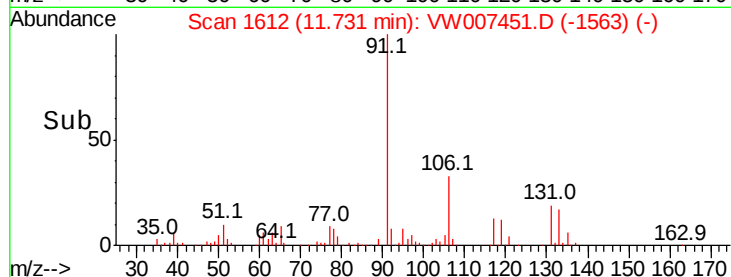
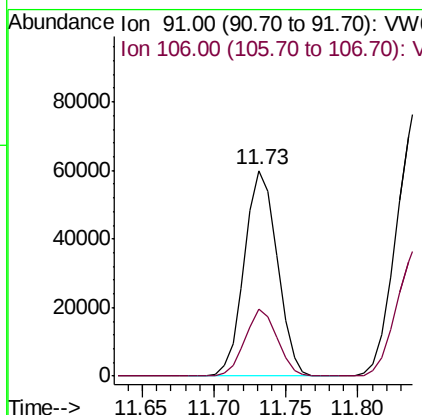
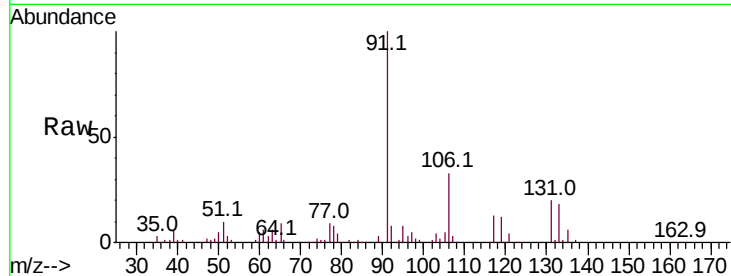




#67
Ethyl Benzene
Concen: 20.852 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

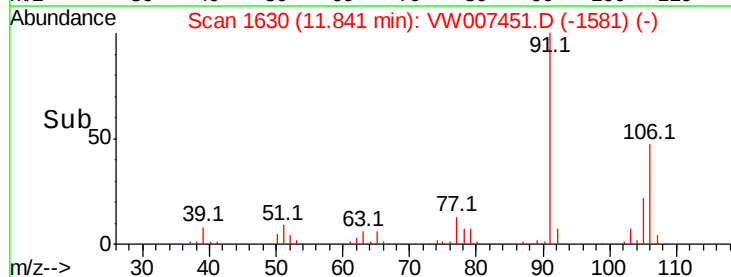
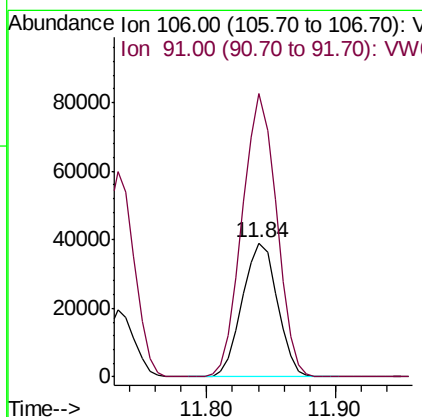
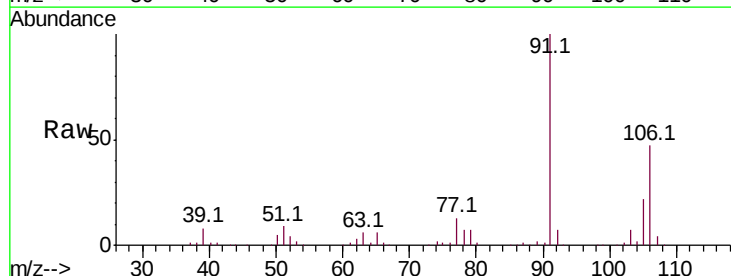
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

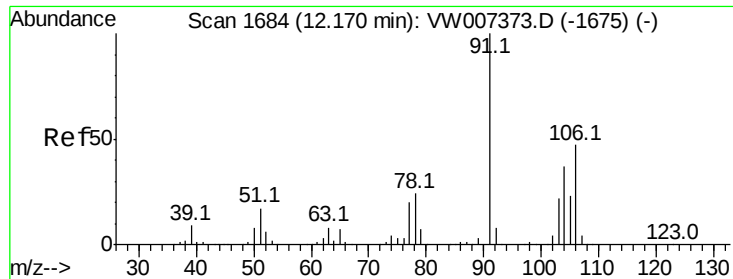
Tot Ion: 91 Resp: 95017
Ion Ratio Lower Upper
91 100
106 32.6 21.8 32.8



#68
m/p-Xylenes
Concen: 41.546 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 106 Resp: 73596
Ion Ratio Lower Upper
106 100
91 207.2 165.3 247.9

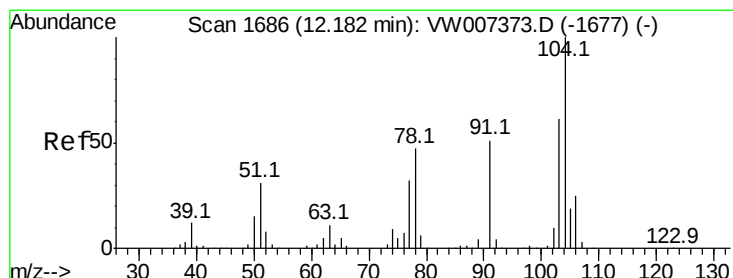
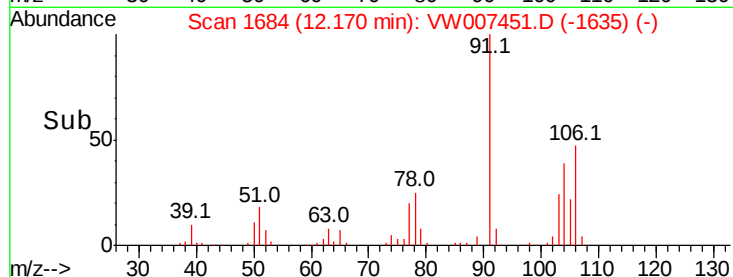
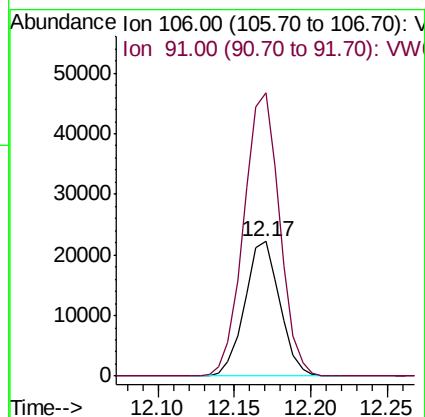
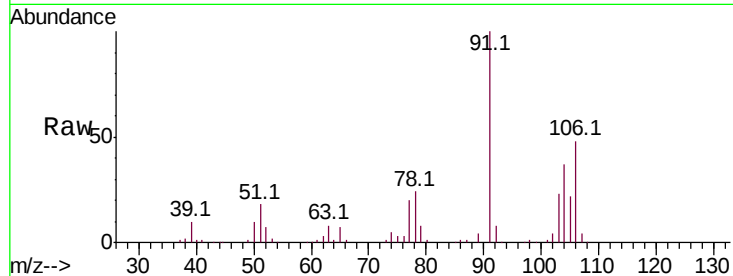




#69
o-Xylene
Concen: 21.461 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

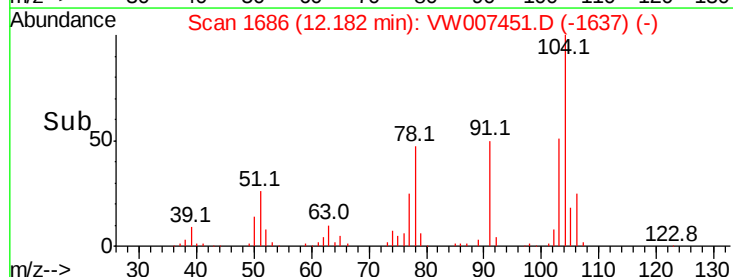
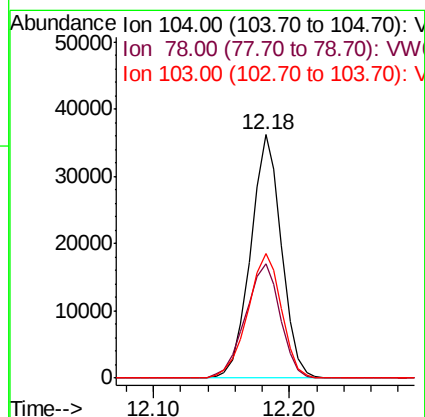
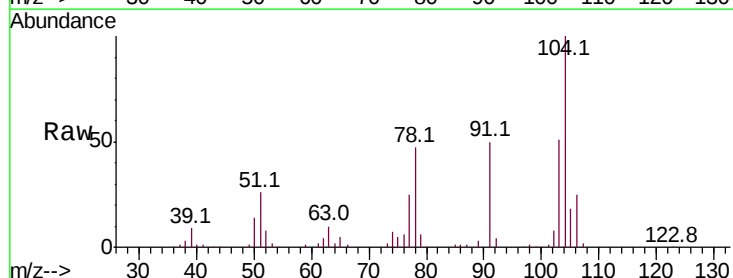
Instrument :
MSVOA_W
ClientSampled :
VW1215SBS01

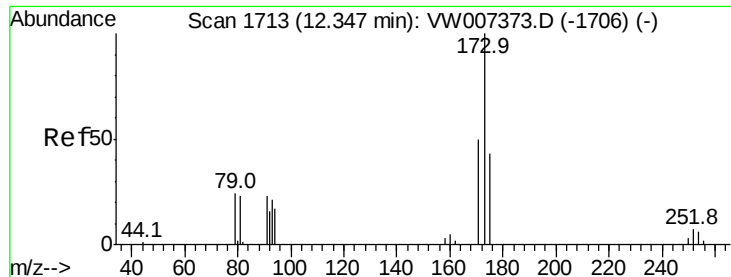
Tot Ion:106 Resp: 35505
Ion Ratio Lower Upper
106 100
91 213.8 106.6 319.8



#70
Styrene
Concen: 21.519 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion:104 Resp: 57503
Ion Ratio Lower Upper
104 100
78 52.9 41.8 62.8
103 56.1 46.6 69.8





#71

Bromoform

Concen: 20.005 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

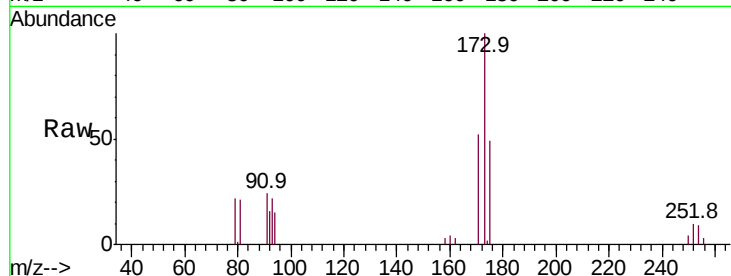
Tot Ion:173 Resp: 9558

Ion Ratio Lower Upper

173 100

175 49.5 23.6 70.8

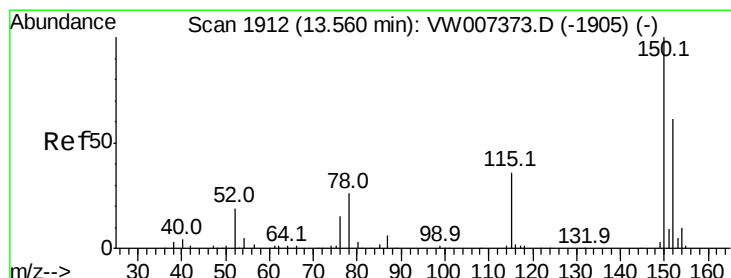
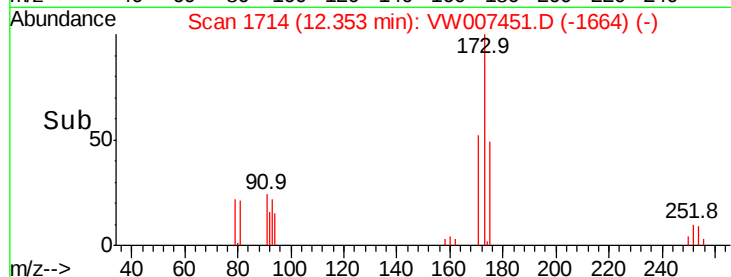
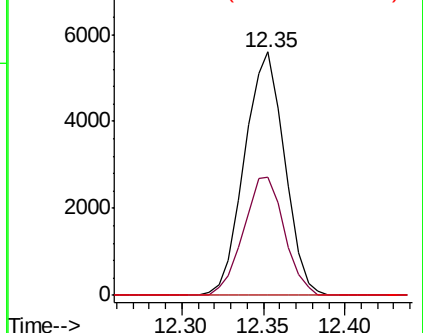
254 0.0 0.0 0.0



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: VW007451.D

Acq: 12 Dec 2018 21:29

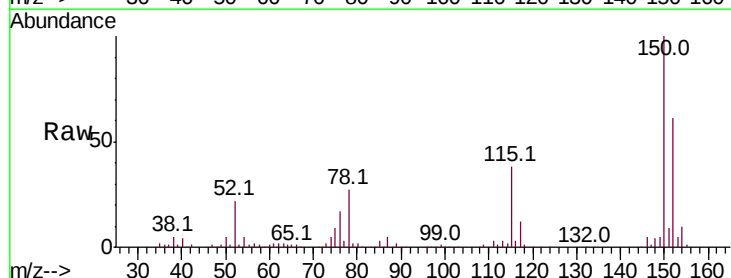
Tgt Ion:152 Resp: 63452

Ion Ratio Lower Upper

152 100

115 62.6 31.4 94.2

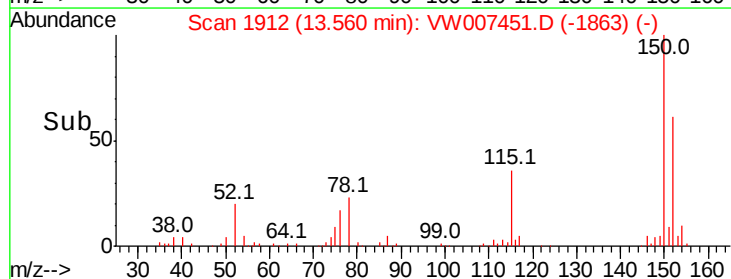
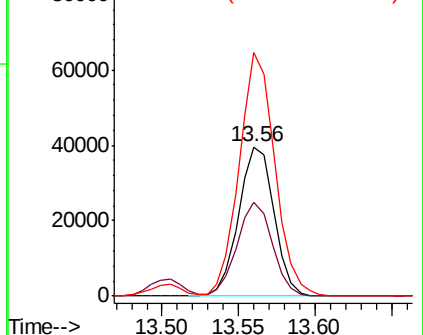
150 164.9 0.0 358.4

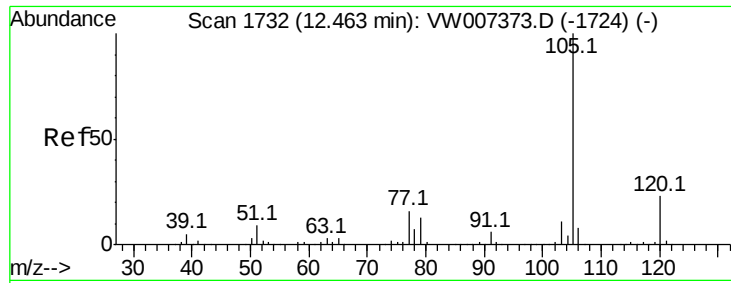


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.085 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

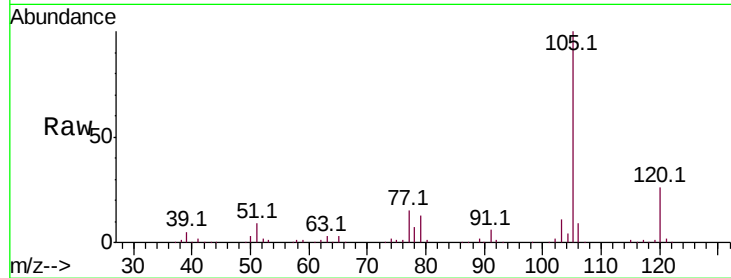
VW1215SBS01

Tot Ion:105 Resp: 97652

Ion Ratio Lower Upper

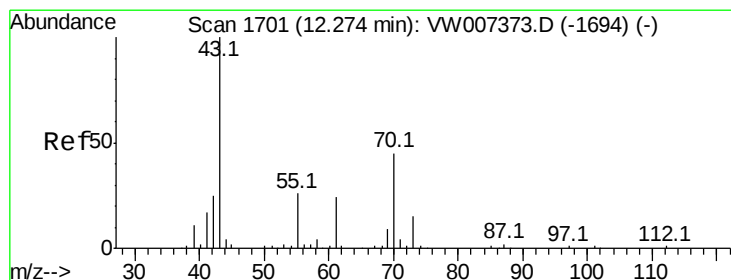
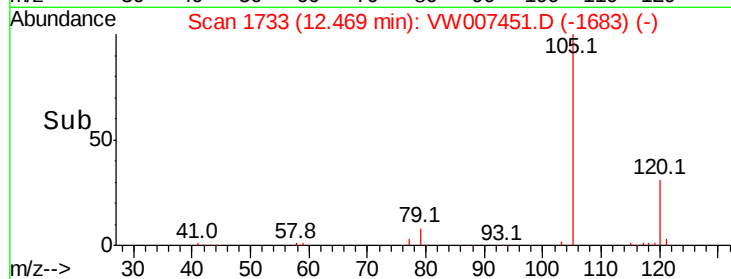
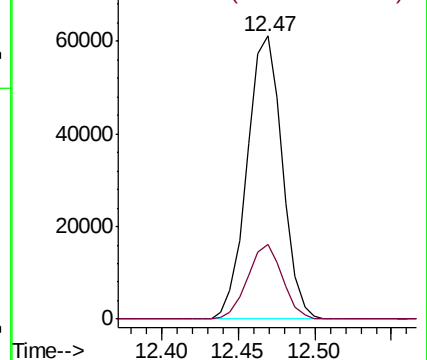
105 100

120 26.2 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: 20.251 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Tgt Ion: 43 Resp: 17894

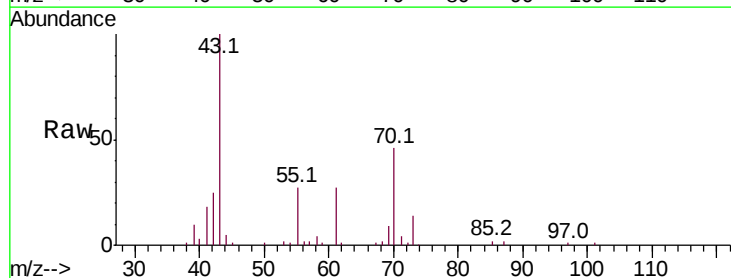
Ion Ratio Lower Upper

43 100

70 45.4 36.5 54.7

55 25.1 20.1 30.1

61 24.1 19.3 28.9

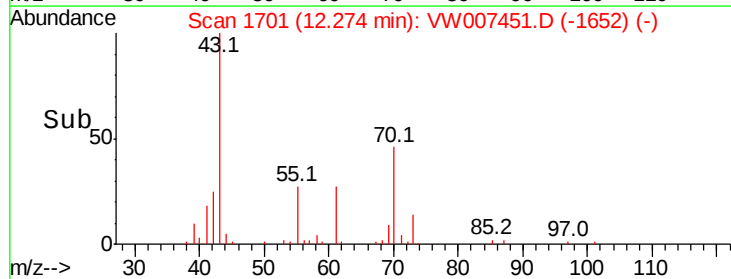
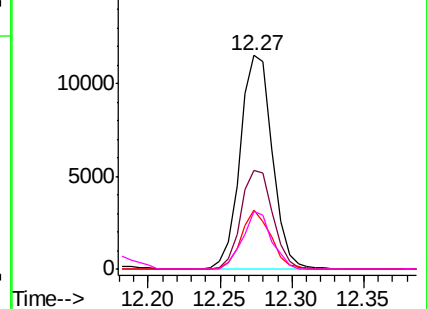


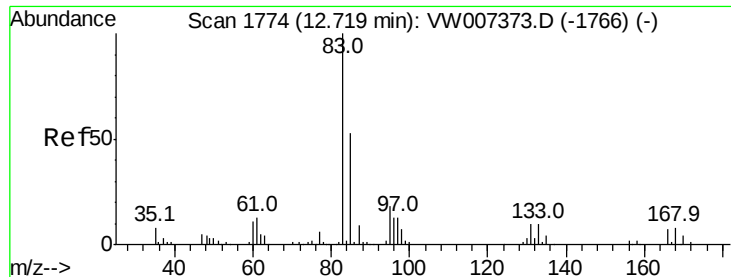
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 21.126 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

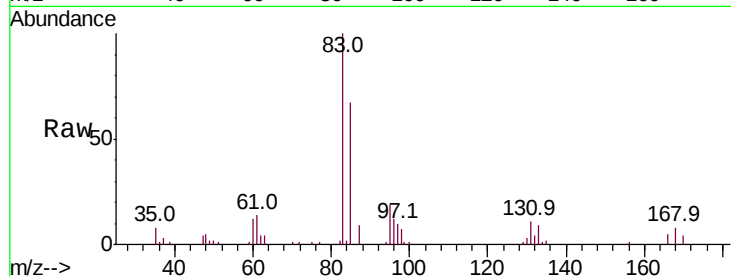
Tot Ion: 83 Resp: 15213

Ion Ratio Lower Upper

83 100

131 12.7 5.9 17.8

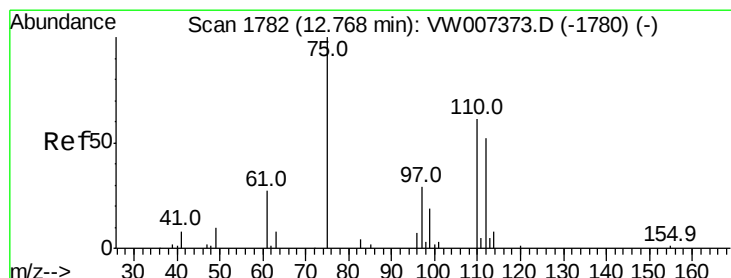
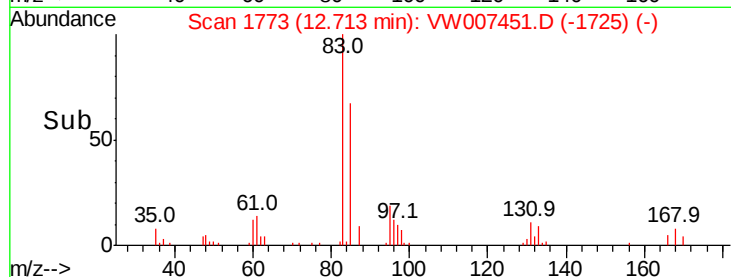
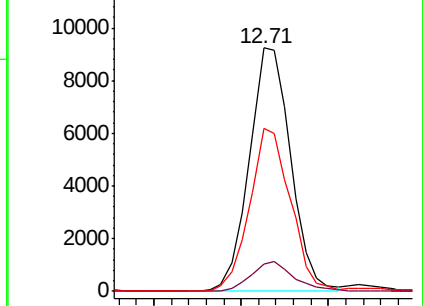
85 66.2 30.0 90.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.917 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW007451.D

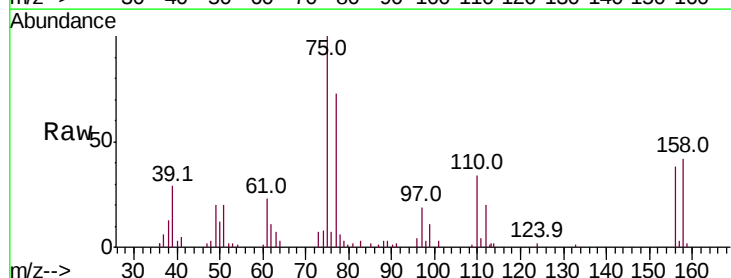
Acq: 12 Dec 2018 21:29

Tgt Ion: 75 Resp: 20884

Ion Ratio Lower Upper

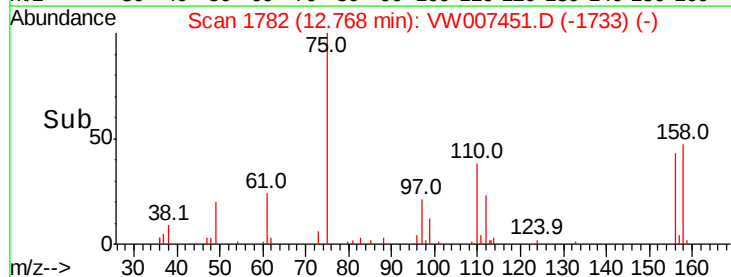
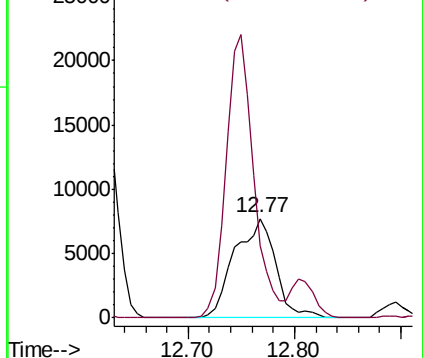
75 100

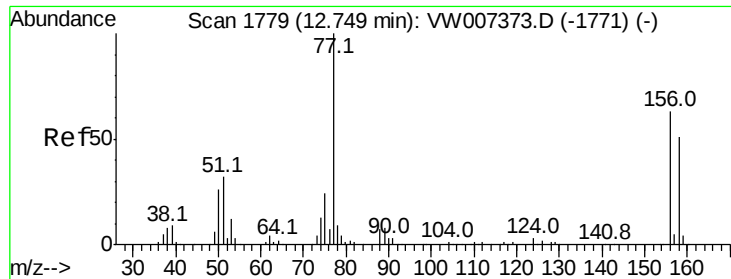
77 193.0 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.474 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

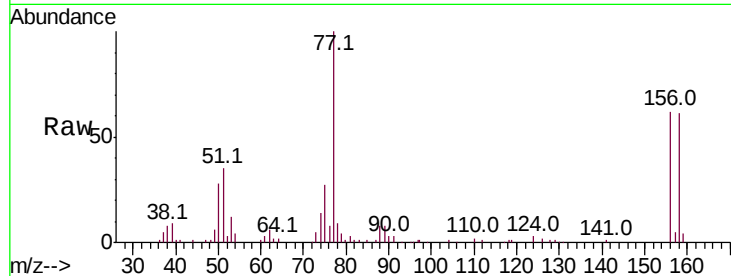
Tot Ion:156 Resp: 22065

Ion Ratio Lower Upper

156 100

77 182.7 88.1 264.4

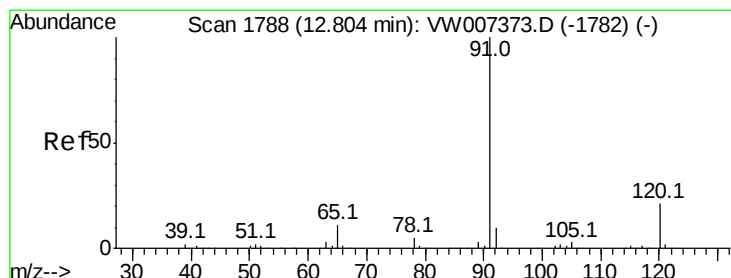
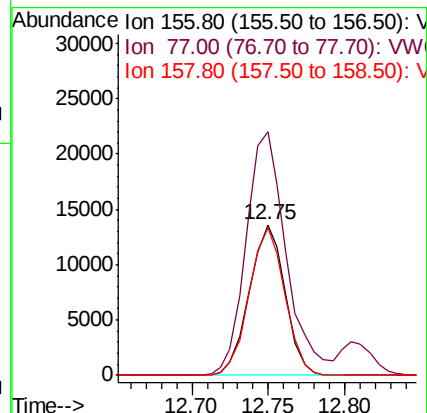
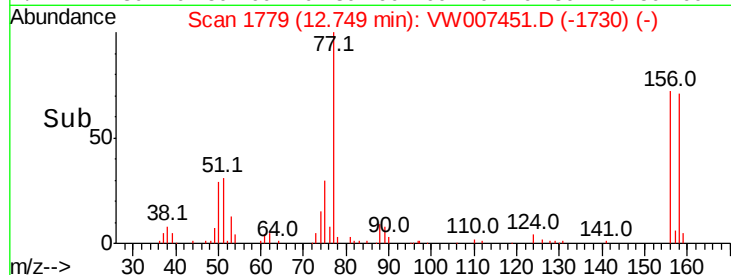
158 97.8 45.6 136.7



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: 20.917 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007451.D

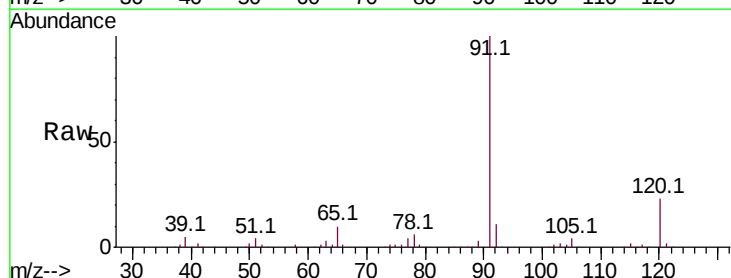
Acq: 12 Dec 2018 21:29

Tgt Ion: 91 Resp: 114448

Ion Ratio Lower Upper

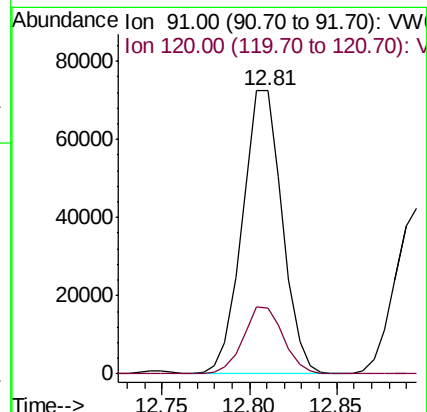
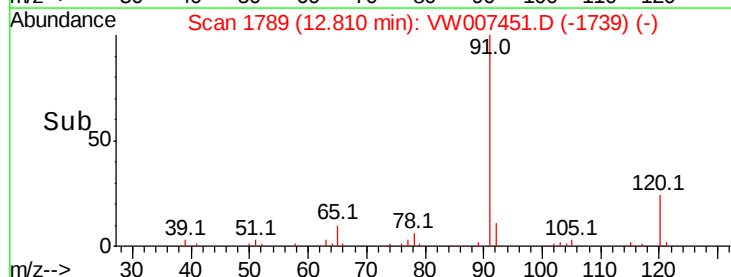
91 100

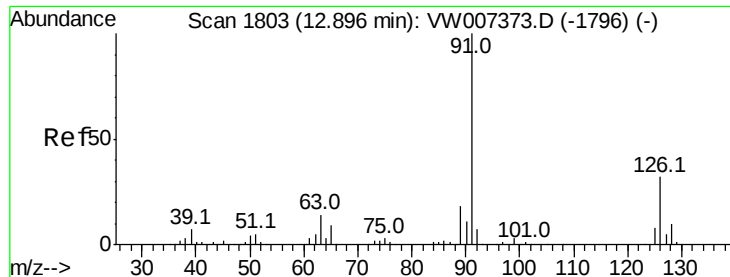
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

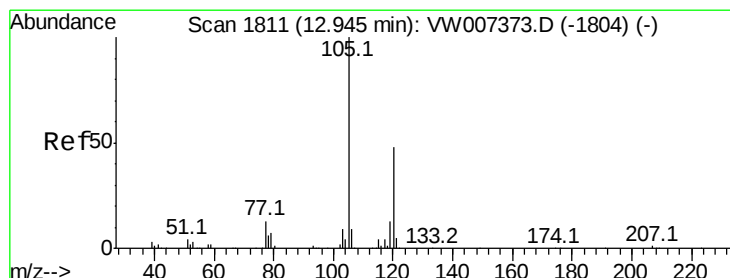
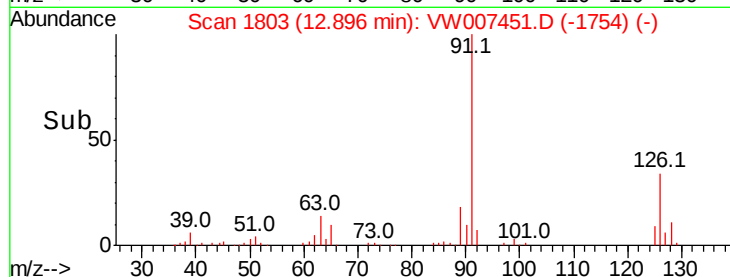
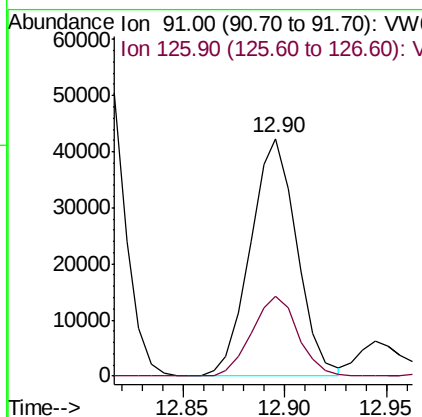
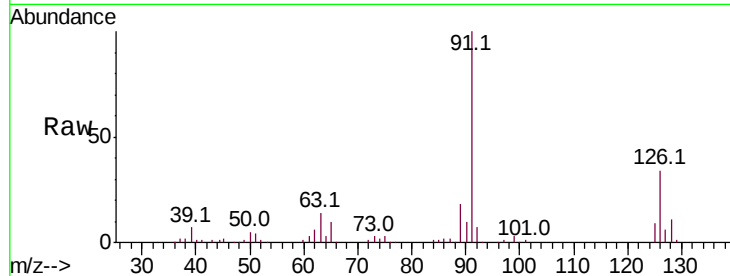




#79
 2-Chlorotoluene
 Concen: 20.210 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

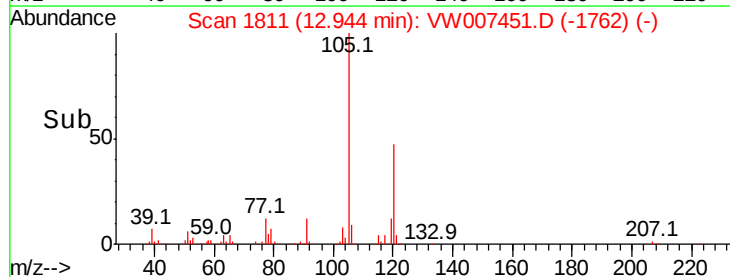
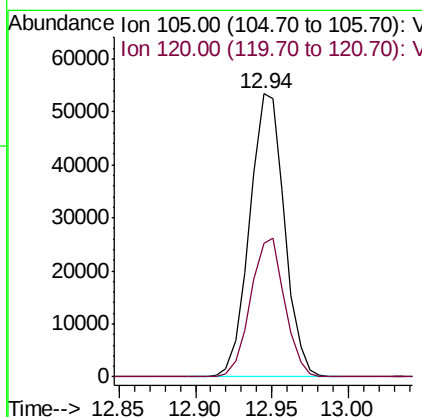
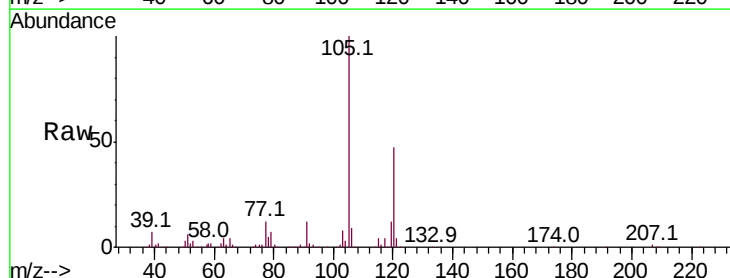
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

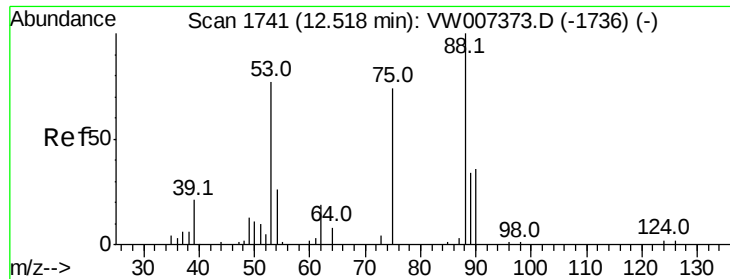
Tot Ion: 91 Resp: 66912
 Ion Ratio Lower Upper
 91 100
 126 33.6 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.658 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion:105 Resp: 84391
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.018 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

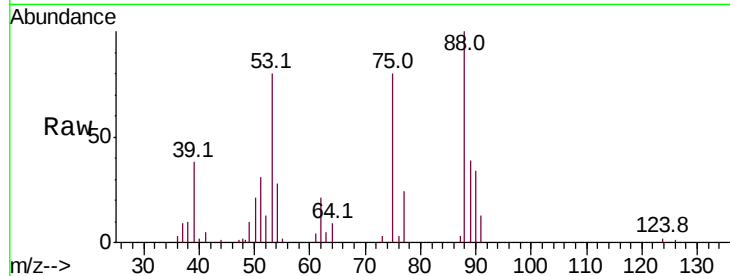
Tot Ion: 75 Resp: 4741

Ion Ratio Lower Upper

75 100

53 100.1 84.9 127.3

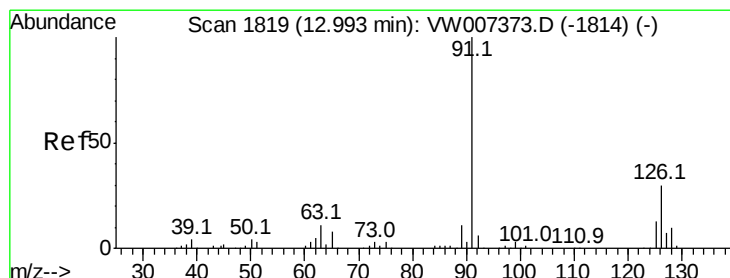
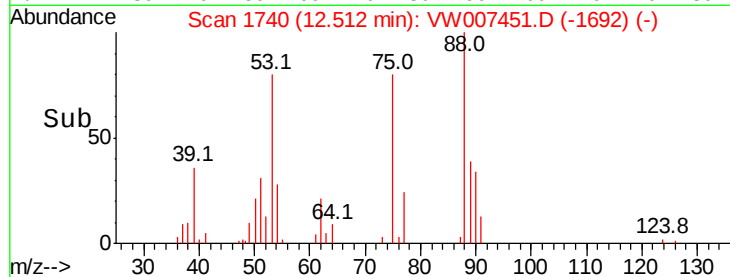
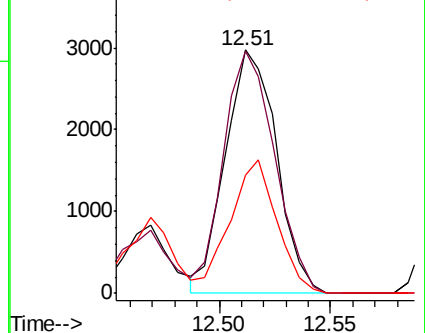
89 50.9 40.3 60.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.311 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007451.D

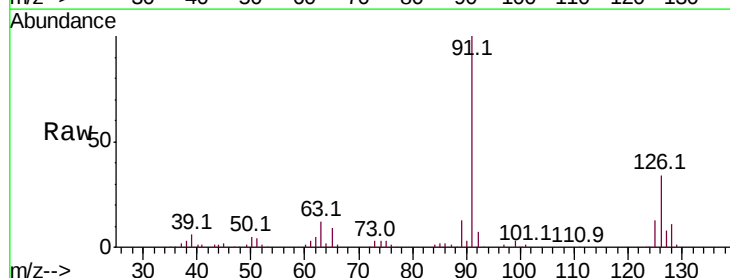
Acq: 12 Dec 2018 21:29

Tgt Ion: 91 Resp: 70883

Ion Ratio Lower Upper

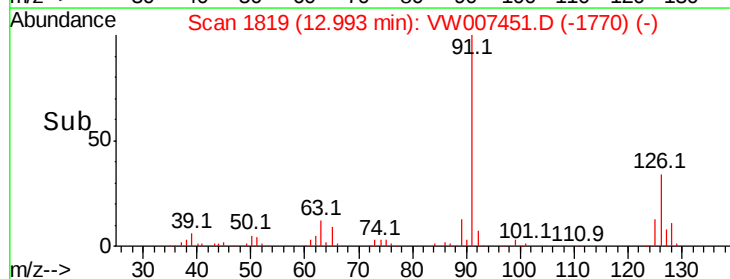
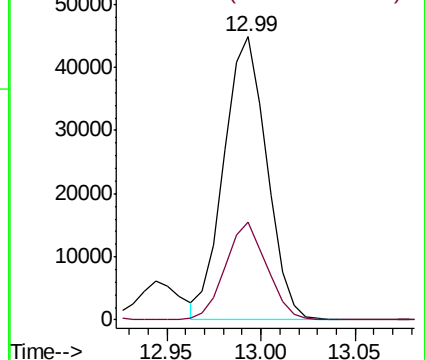
91 100

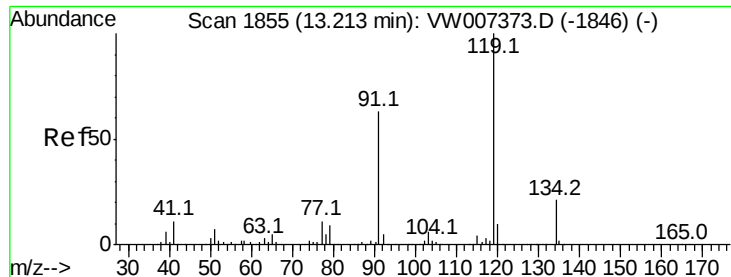
126 33.3 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

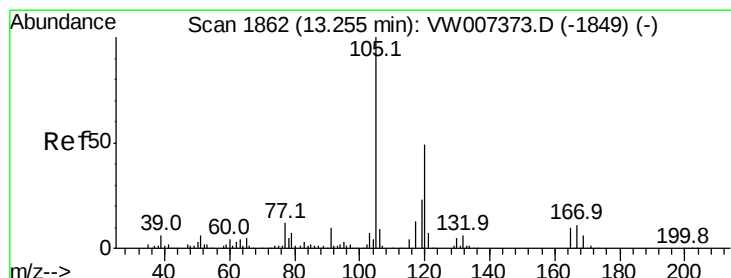
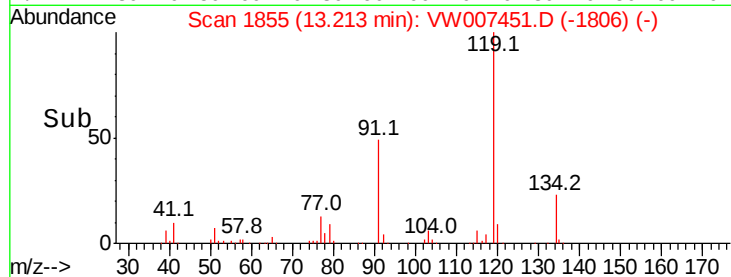
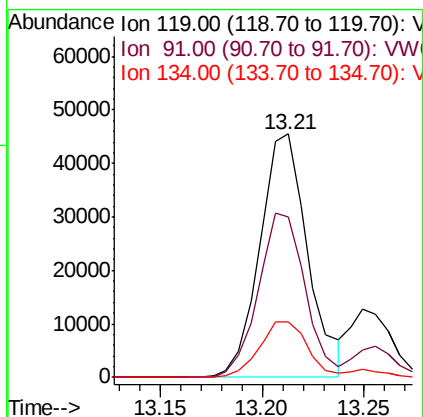
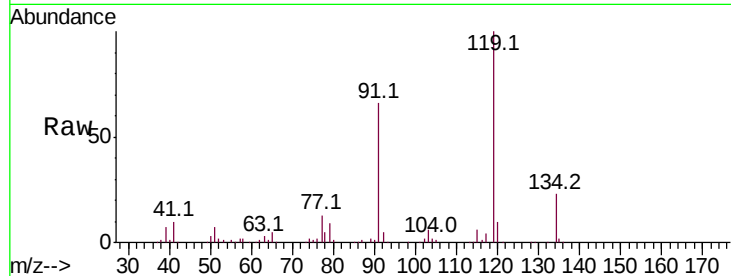




#83
 tert-Butylbenzene
 Concen: 20.714 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

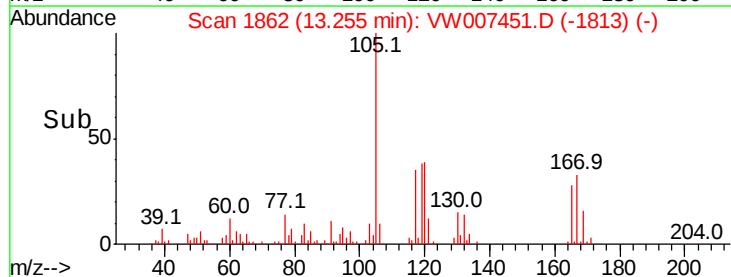
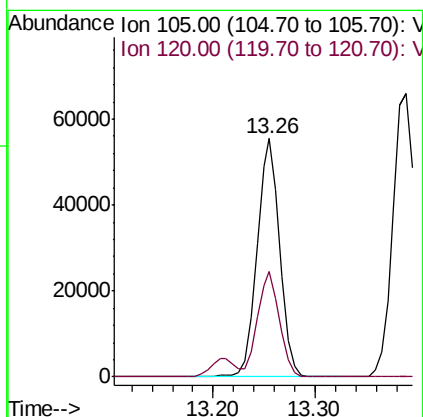
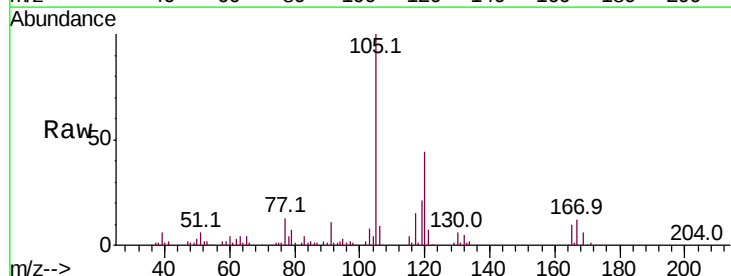
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

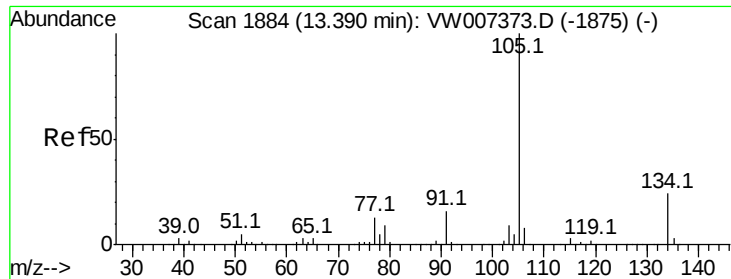
Tot Ion:119 Resp: 74563
 Ion Ratio Lower Upper
 119 100
 91 65.8 33.1 99.2
 134 23.1 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.434 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion:105 Resp: 85904
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.6 67.7

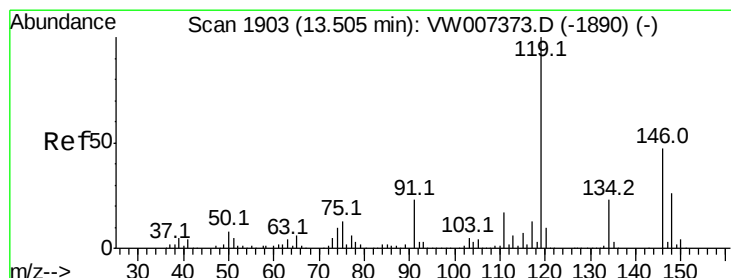
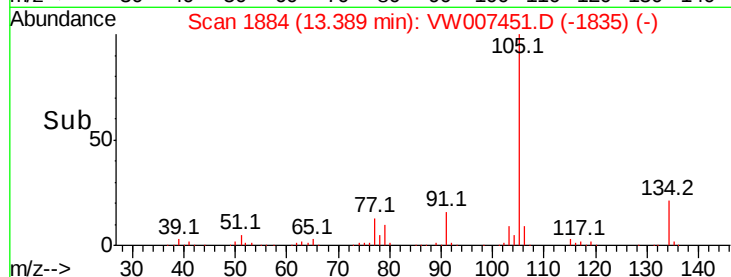
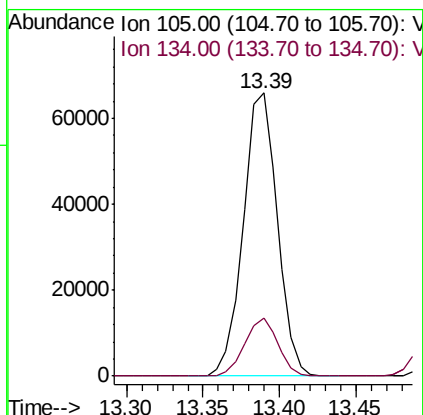
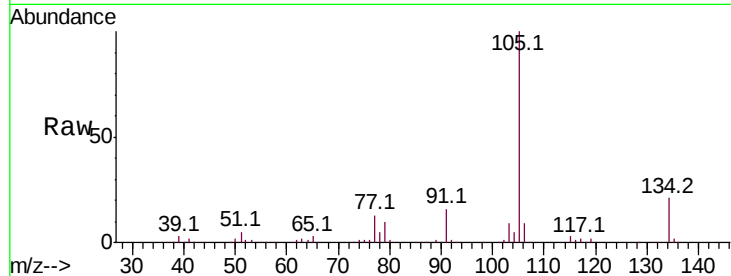




#85
 sec-Butylbenzene
 Concen: 20.738 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

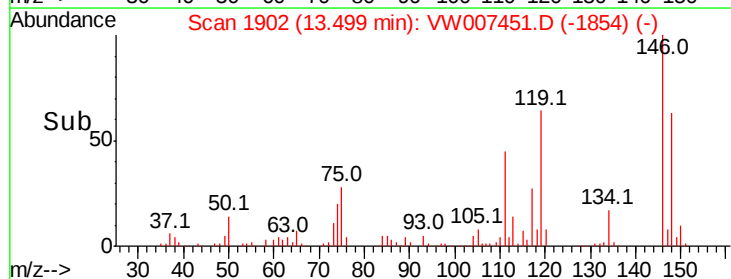
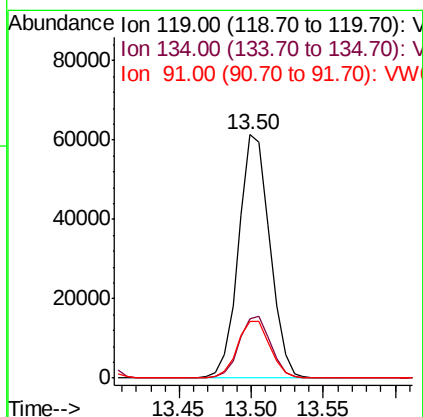
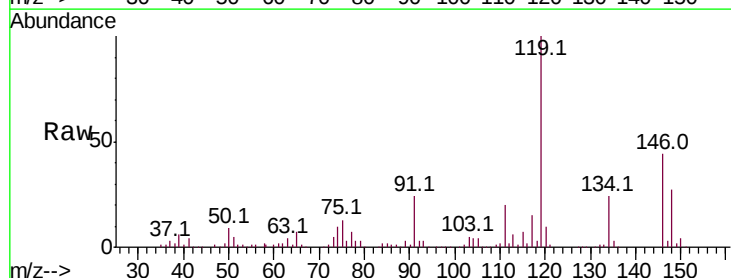
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

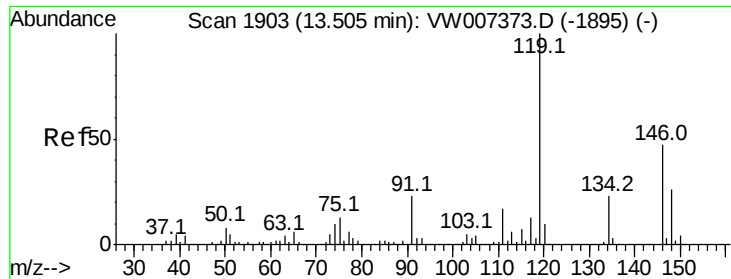
Tot Ion:105 Resp: 101904
 Ion Ratio Lower Upper
 105 100
 134 20.0 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 20.904 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion:119 Resp: 92283
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 24.6 11.9 35.9

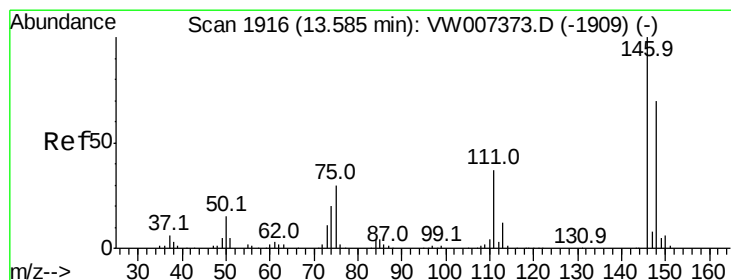
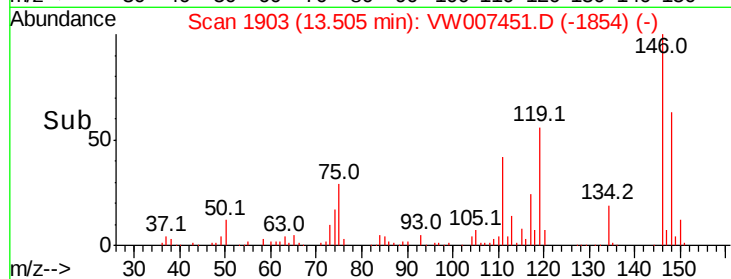
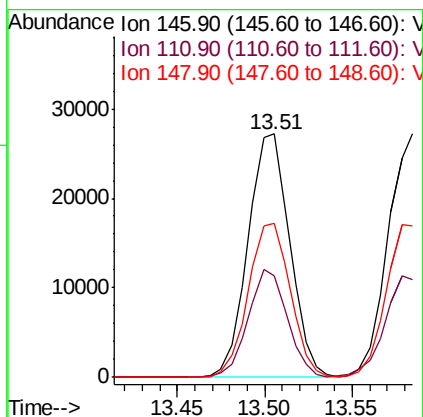
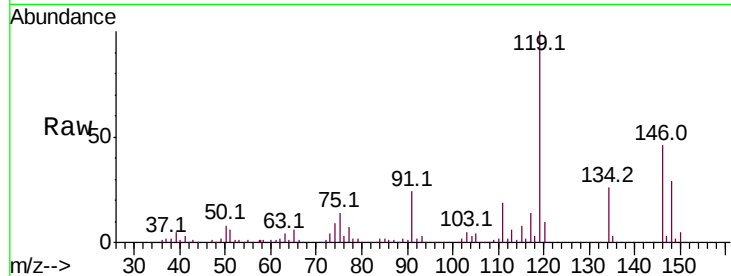




#87
 1,3-Dichlorobenzene
 Concen: 21.008 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

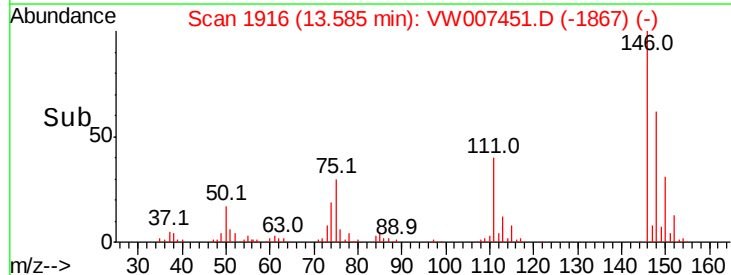
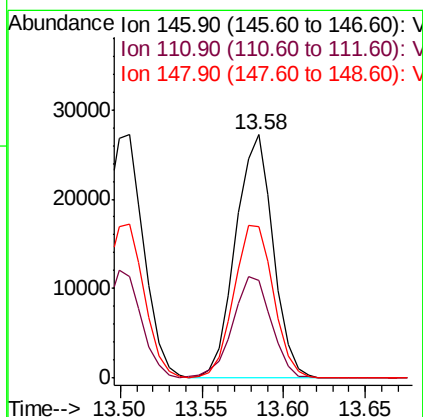
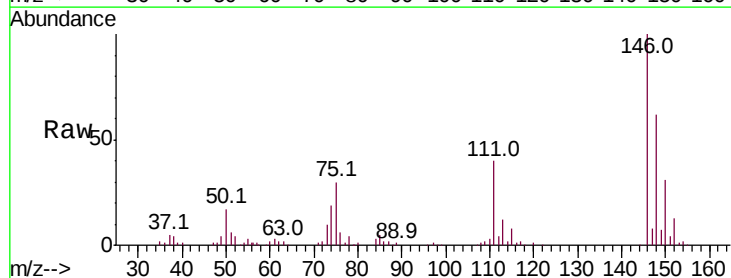
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

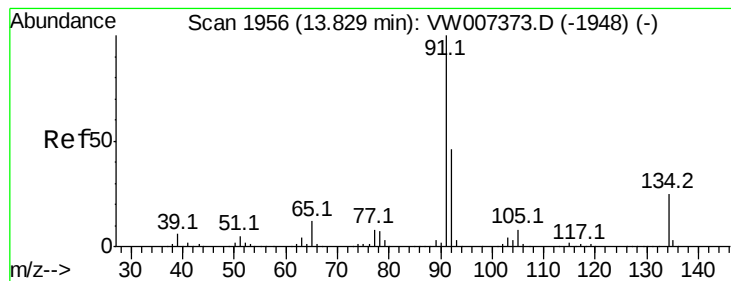
Tot Ion:146 Resp: 45140
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.1 60.3
 148 64.0 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 20.156 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion:146 Resp: 43540
 Ion Ratio Lower Upper
 146 100
 111 43.2 20.3 61.0
 148 66.2 33.5 100.5





#89

n-Butylbenzene

Concen: 20.558 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

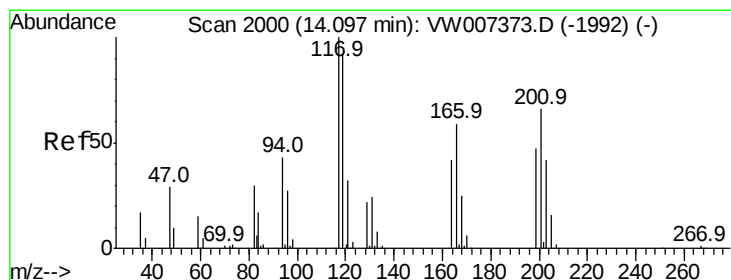
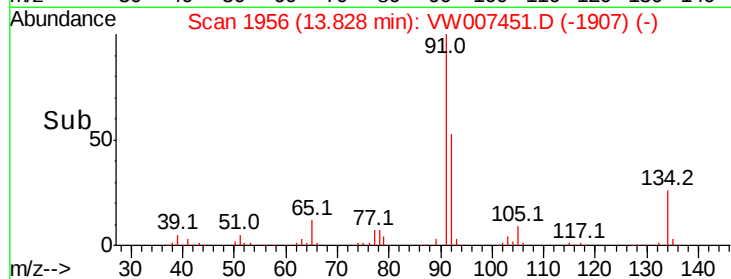
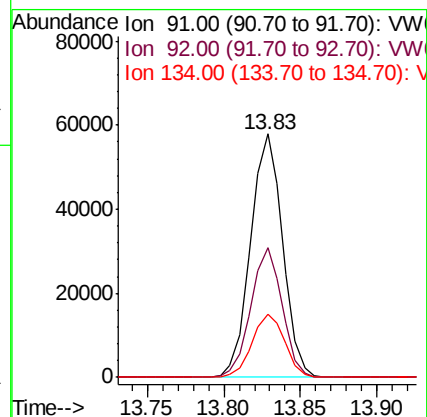
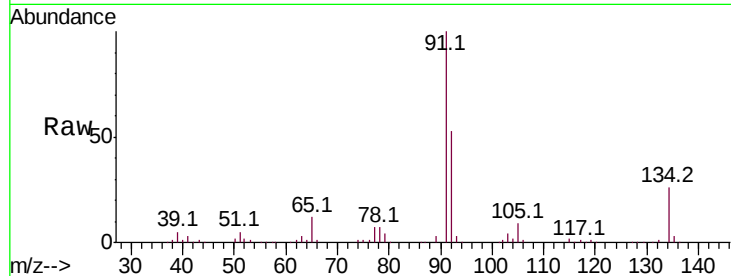
Tot Ion: 91 Resp: 84133

Ion Ratio Lower Upper

91 100

92 52.2 25.7 77.1

134 26.8 13.4 40.2



#90

Hexachloroethane

Concen: 20.114 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007451.D

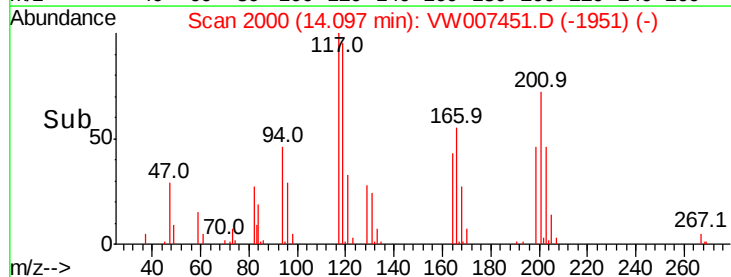
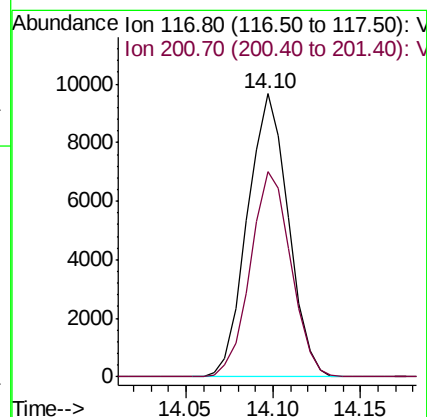
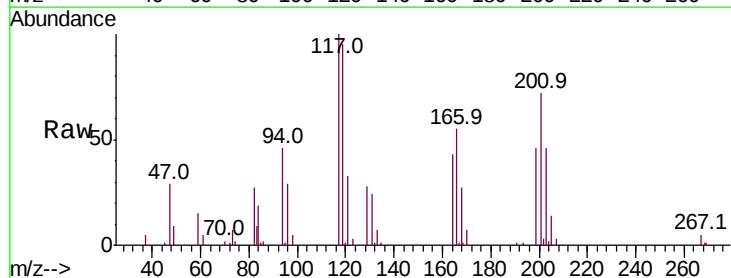
Acq: 12 Dec 2018 21:29

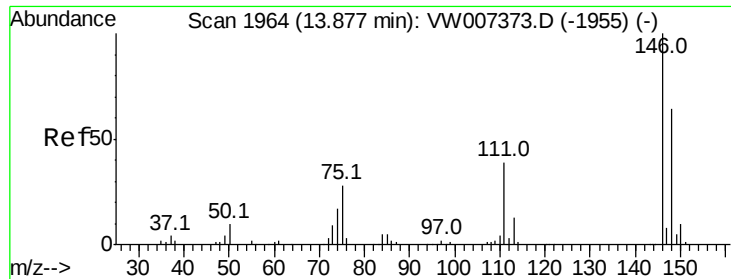
Tgt Ion: 117 Resp: 15799

Ion Ratio Lower Upper

117 100

201 71.9 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 20.873 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

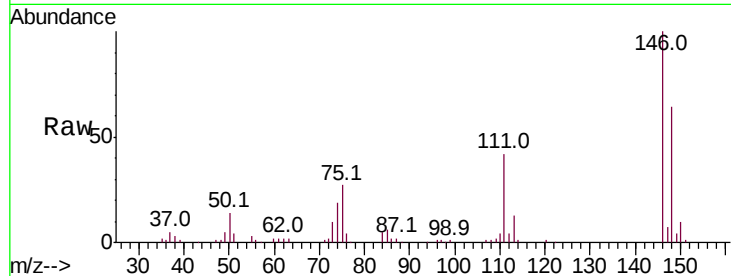
Tot Ion:146 Resp: 40171

Ion Ratio Lower Upper

146 100

111 42.4 22.4 67.2

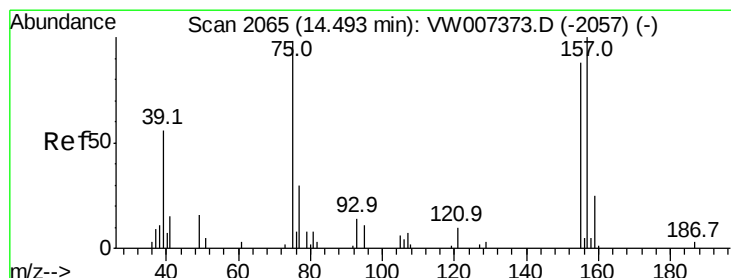
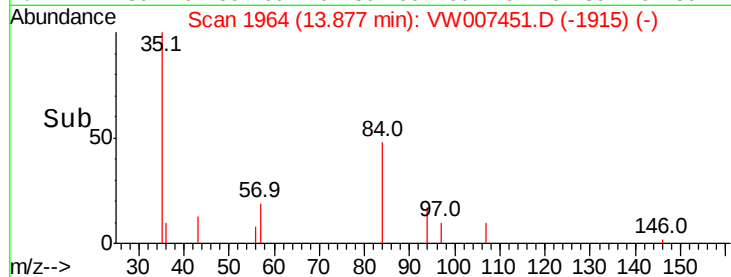
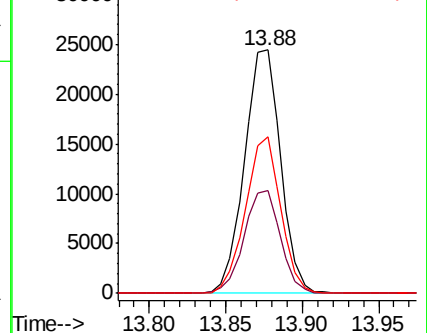
148 62.8 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.760 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

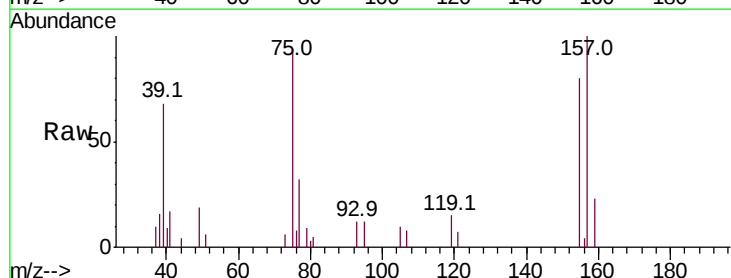
Tgt Ion: 75 Resp: 3000

Ion Ratio Lower Upper

75 100

155 78.2 40.8 122.2

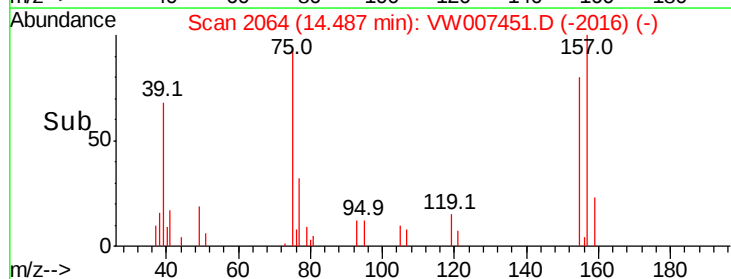
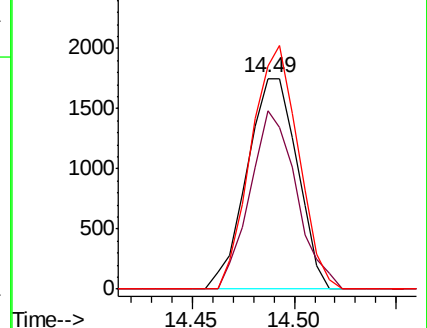
157 108.6 51.1 153.4

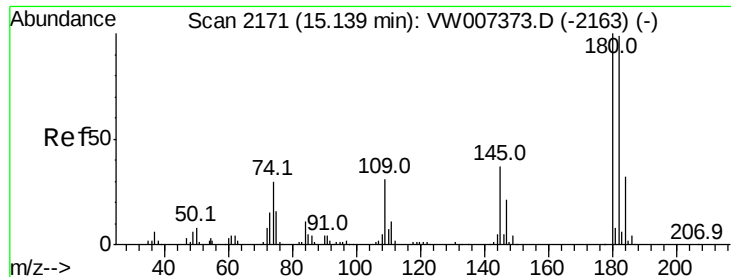


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

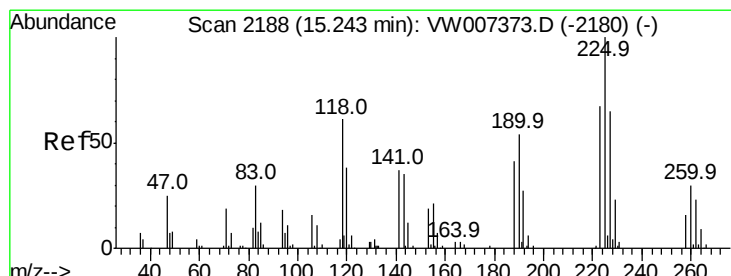
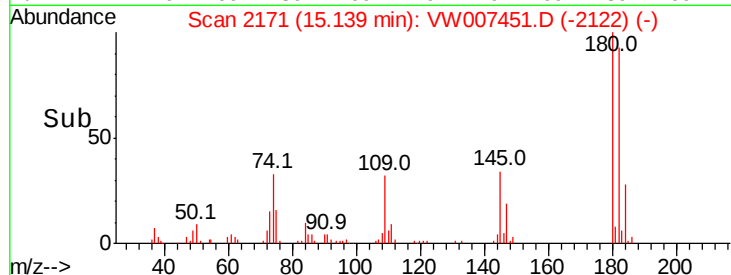
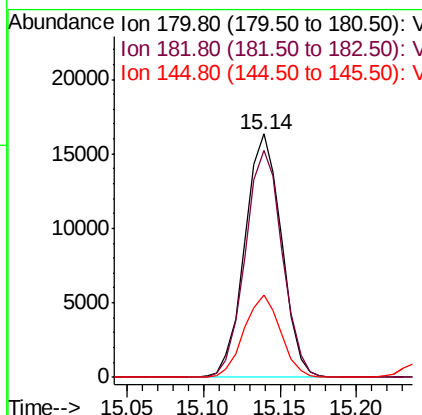
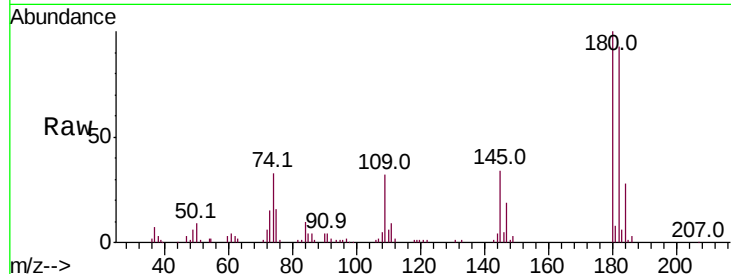




#93
 1,2,4-Trichlorobenzene
 Concen: 20.530 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

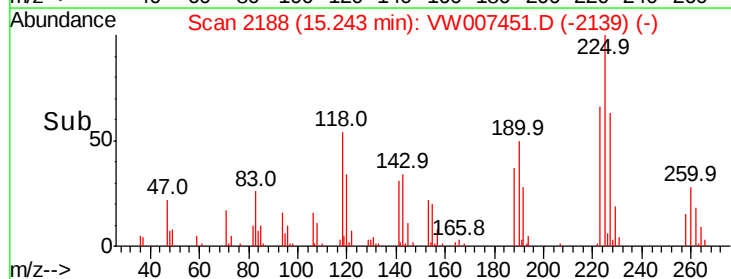
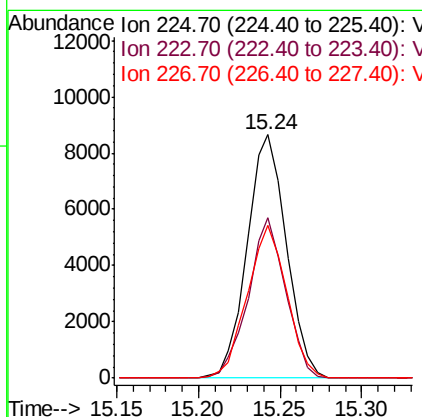
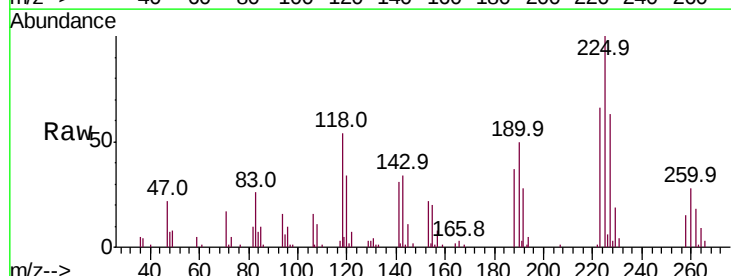
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

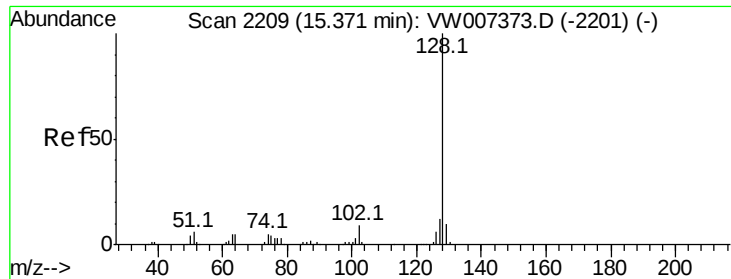
Tot Ion:180 Resp: 27191
 Ion Ratio Lower Upper
 180 100
 182 94.2 49.9 149.6
 145 33.8 17.8 53.4



#94
 Hexachlorobutadiene
 Concen: 20.641 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion:225 Resp: 14505
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.1 96.3
 227 63.0 31.9 95.9

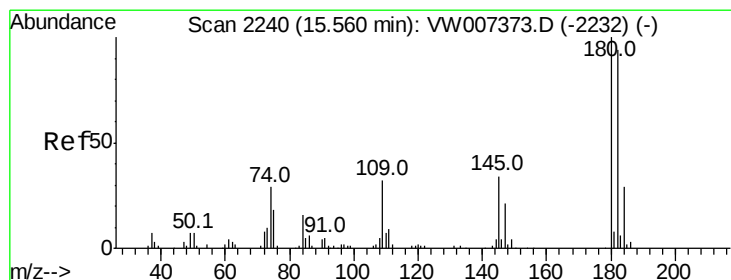
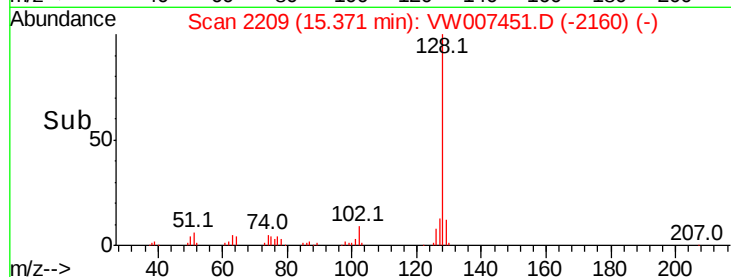
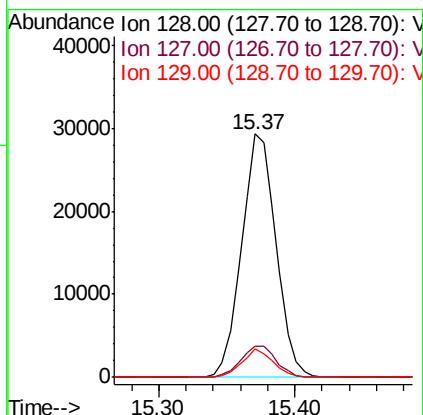
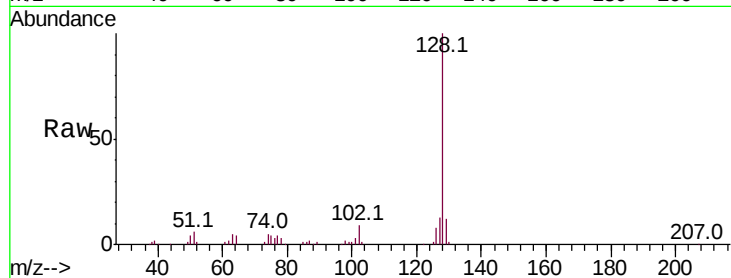




#95
Naphthalene
Concen: 20.434 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot	Ion:128	Resp:	51773
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	10.6	8.3	12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.450 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion:180	Resp:	23528
Ion Ratio	Lower	Upper
180 100		
182 95.4	45.6	136.7
145 35.8	17.5	52.5

