

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121518\
 Data File : VW007452.D
 Acq On : 12 Dec 2018 21:55
 Operator : SY/AP
 Sample : VW1212SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

Quant Time: Dec 13 04:20:41 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	78828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	132855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44074	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.88	113	41276	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.32	98	156387	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.62	95	59268	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12425	22.556	ug/l	91
3) Chloromethane	2.21	50	9339	20.243	ug/l	90
4) Vinyl Chloride	2.36	62	11070	20.447	ug/l	98
5) Bromomethane	2.78	94	7327	20.142	ug/l	95
6) Chloroethane	2.92	64	5814	19.509	ug/l #	86
7) Trichlorofluoromethane	3.25	101	9469	19.454	ug/l	98
8) Diethyl Ether	3.67	74	7634	20.039	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16636	20.714	ug/l	99
10) Methyl Iodide	4.26	142	27415	20.610	ug/l	99
11) Tert butyl alcohol	5.17	59	6681	111.235	ug/l	96
12) 1,1-Dichloroethene	4.03	96	16183	20.928	ug/l	94
13) Acrolein	3.88	56	4290	107.945	ug/l	98
14) Allyl chloride	4.66	41	22311	19.574	ug/l	99
15) Acrylonitrile	5.37	53	15759	98.127	ug/l	99
16) Acetone	4.12	43	15398	100.802	ug/l #	89
17) Carbon Disulfide	4.37	76	47608	20.305	ug/l	100
18) Methyl Acetate	4.67	43	8433	20.340	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	23786	20.390	ug/l	100
20) Methylene Chloride	4.91	84	18723	20.068	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	17897	20.689	ug/l	97
22) Diisopropyl ether	6.31	45	44464	20.295	ug/l	97
23) Vinyl Acetate	6.25	43	123335	100.644	ug/l	100
24) 1,1-Dichloroethane	6.21	63	30292	20.457	ug/l	97
25) 2-Butanone	7.17	43	19615	98.359	ug/l	98
26) 2,2-Dichloropropane	7.17	77	19963	20.371	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	19151	20.219	ug/l	98
28) Bromochloromethane	7.51	49	11024	19.793	ug/l	99
29) Tetrahydrofuran	7.53	42	12510	99.091	ug/l	97
30) Chloroform	7.67	83	32775	20.339	ug/l	100
31) Cyclohexane	7.95	56	27215	20.032	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	29594	20.943	ug/l	98
36) 1,1-Dichloropropene	8.08	75	25123	20.729	ug/l	98
37) Ethyl Acetate	7.25	43	8785	19.489	ug/l	97
38) Carbon Tetrachloride	8.07	117	27839	21.111	ug/l	97

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Quant Time: Dec 13 04:20:41 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	31185	21.250	ug/l	91
40) Benzene	8.32	78	69951	20.798	ug/l	98
41) Methacrylonitrile	7.48	41	5361	20.885	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	21597	20.441	ug/l	97
43) Isopropyl Acetate	8.43	43	17717	19.898	ug/l	98
44) Trichloroethene	9.09	130	19989	20.812	ug/l	96
45) 1,2-Dichloropropane	9.37	63	16013	20.574	ug/l	95
46) Dibromomethane	9.46	93	9142	20.683	ug/l	98
47) Bromodichloromethane	9.64	83	23930	20.640	ug/l	97
48) Methyl methacrylate	9.43	41	8877	19.412	ug/l	94
49) 1,4-Dioxane	9.45	88	2975	414.823	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	42726	101.556	ug/l	98
52) Toluene	10.39	92	47030	21.607	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	23831	21.173	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	26683	20.507	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	12701	21.113	ug/l	98
56) Ethyl methacrylate	10.65	69	15261	21.106	ug/l	99
57) 1,3-Dichloropropane	10.93	76	21740	22.018	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	31832	95.467	ug/l	98
59) 2-Hexanone	10.97	43	29554	105.349	ug/l	99
60) Dibromochloromethane	11.13	129	16382	21.579	ug/l	100
61) 1,2-Dibromoethane	11.24	107	12866	21.642	ug/l	99
64) Tetrachloroethene	10.86	164	17245	19.944	ug/l	94
65) Chlorobenzene	11.66	112	52012	20.754	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	18358	20.799	ug/l	99
67) Ethyl Benzene	11.73	91	90448	20.992	ug/l	94
68) m/p-Xylenes	11.84	106	70030	41.808	ug/l	99
69) o-Xylene	12.17	106	33001	21.095	ug/l	97
70) Styrene	12.18	104	55637	22.019	ug/l	97
71) Bromoform	12.35	173	9042	20.014	ug/l #	98
73) Isopropylbenzene	12.47	105	93020	20.265	ug/l	98
74) N-amyl acetate	12.27	43	16351	19.600	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	14212	20.904	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	19848	40.183	ug/l	31
77) Bromobenzene	12.75	156	21002	20.641	ug/l	96
78) n-propylbenzene	12.81	91	108021	20.910	ug/l	99
79) 2-Chlorotoluene	12.90	91	63693	20.377	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	80243	20.805	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4421	19.772	ug/l	96
82) 4-Chlorotoluene	12.99	91	66803	20.275	ug/l	98
83) tert-Butylbenzene	13.21	119	69114	20.337	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	82010	20.663	ug/l	99
85) sec-Butylbenzene	13.39	105	96653	20.833	ug/l	96
86) p-Isopropyltoluene	13.50	119	88298	21.185	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	41555	20.484	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	41667	20.431	ug/l	96
89) n-Butylbenzene	13.83	91	80318	20.787	ug/l	99
90) Hexachloroethane	14.10	117	15318	20.656	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	38001	20.914	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2605	19.093	ug/l	91

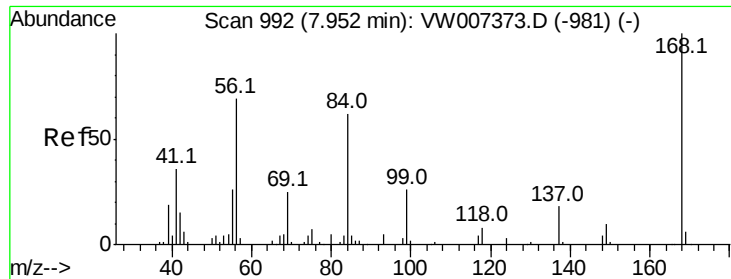
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121518\
Data File : VW007452.D
Acq On : 12 Dec 2018 21:55
Operator : SY/AP
Sample : VW1212SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
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Instrument :
MSVOA_W
ClientSampleId :
VW1215SBSD01

Quant Time: Dec 13 04:20:41 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.14	180	25788	20.623	ug/l	96
94) Hexachlorobutadiene	15.24	225	13676	20.613	ug/l	99
95) Naphthalene	15.37	128	48280	20.183	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	22109	20.354	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

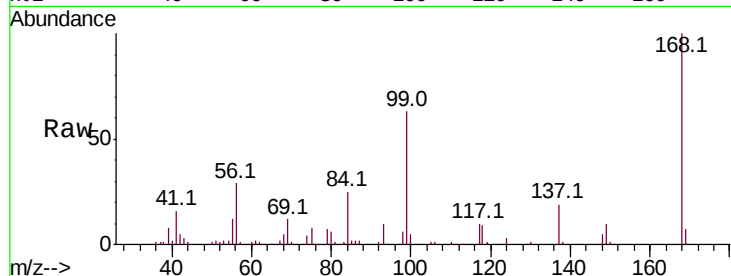
VW1215SBSD01

Tot Ion:168 Resp: 78828

Ion Ratio Lower Upper

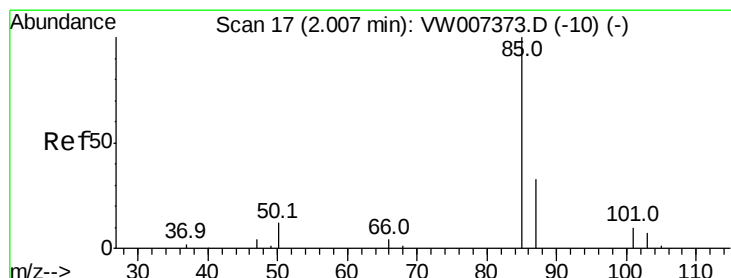
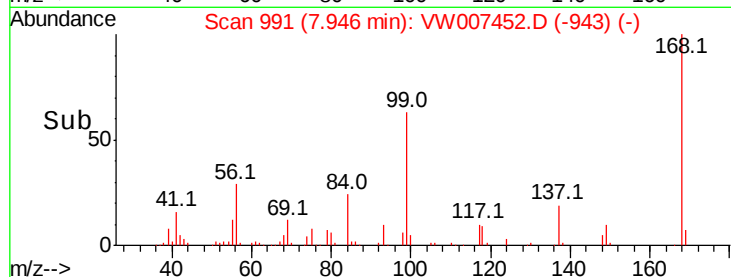
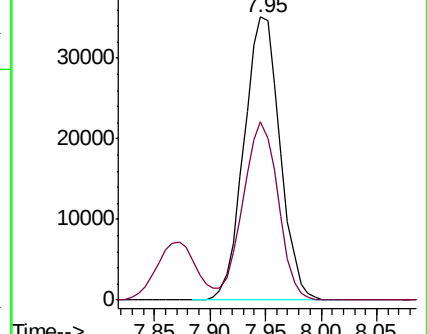
168 100

99 63.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.556 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW007452.D

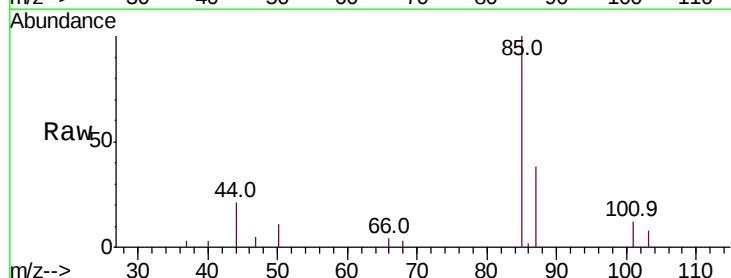
Acq: 12 Dec 2018 21:55

Tgt Ion: 85 Resp: 12425

Ion Ratio Lower Upper

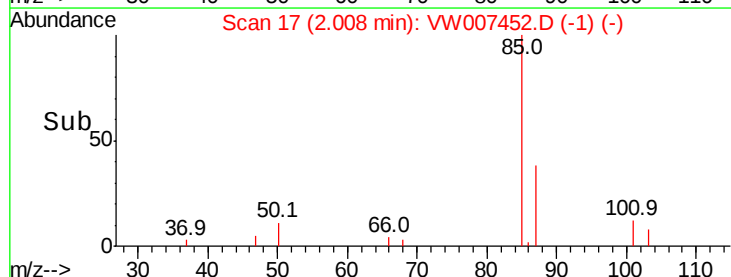
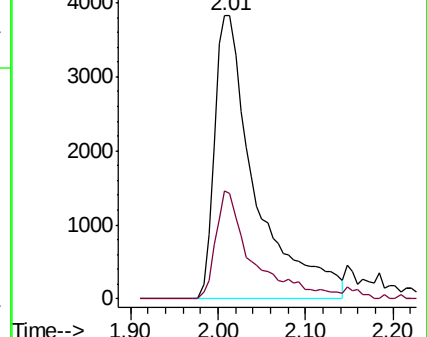
85 100

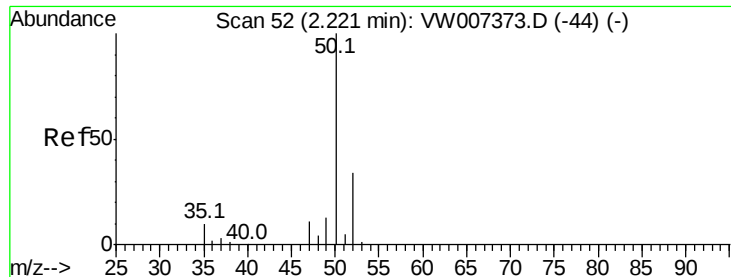
87 38.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.243 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

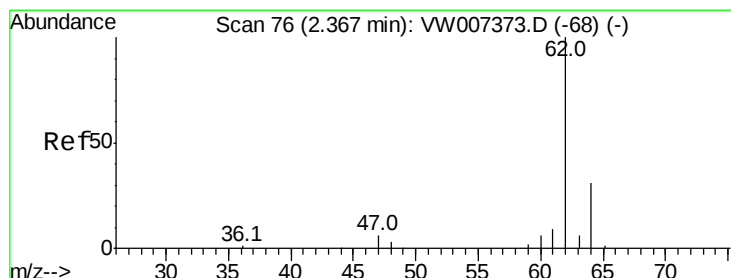
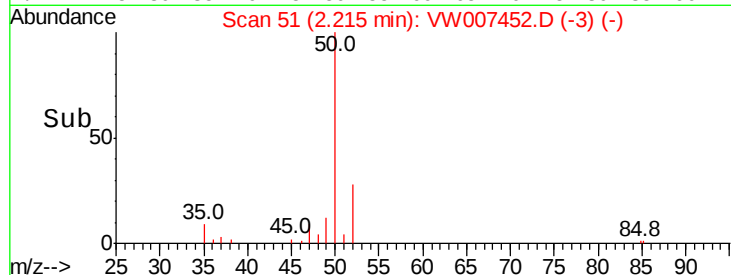
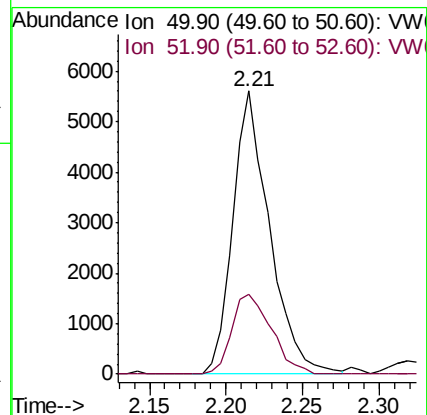
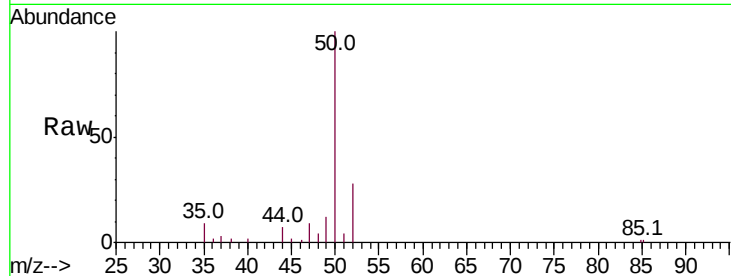
VW1215SBS01

Tot Ion: 50 Resp: 9339

Ion Ratio Lower Upper

50 100

52 28.4 27.4 41.0



#4

Vinyl Chloride

Concen: 20.447 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007452.D

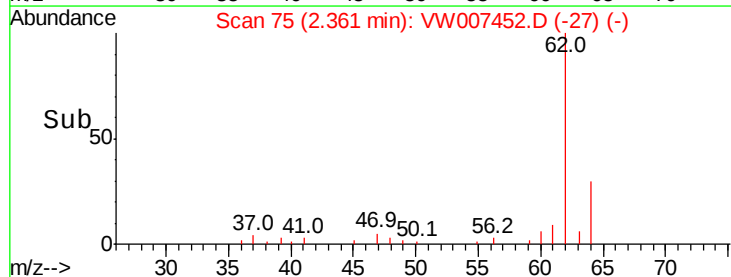
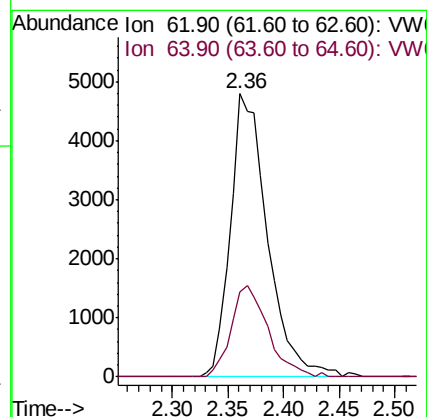
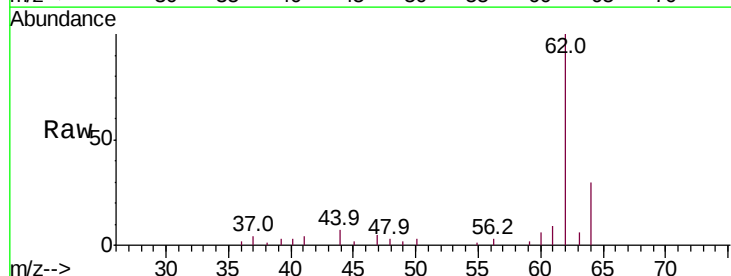
Acq: 12 Dec 2018 21:55

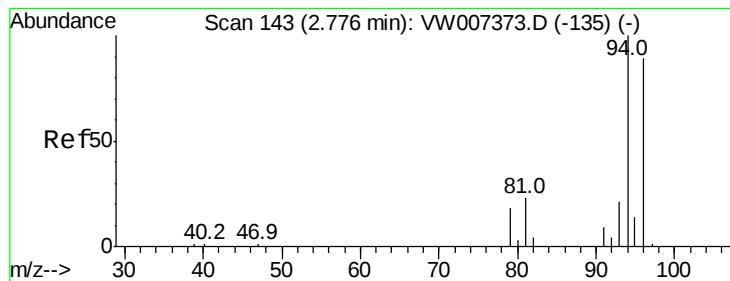
Tgt Ion: 62 Resp: 11070

Ion Ratio Lower Upper

62 100

64 29.9 24.6 37.0





#5

Bromomethane

Concen: 20.142 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

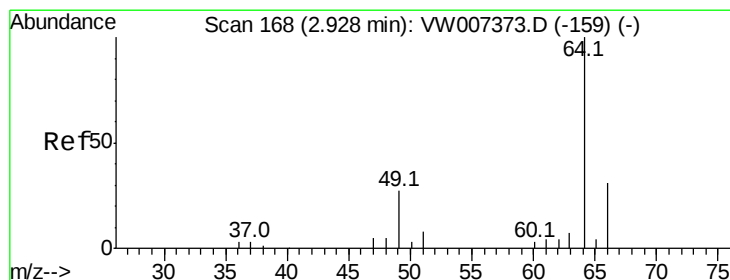
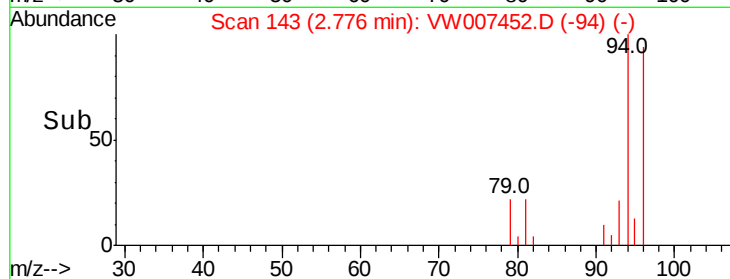
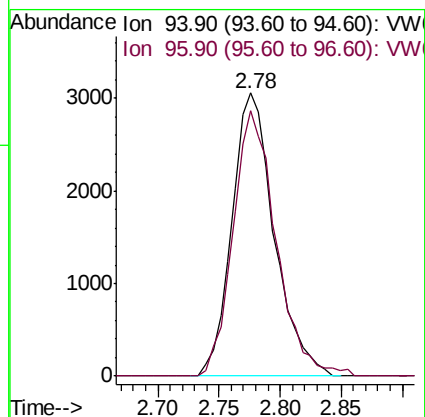
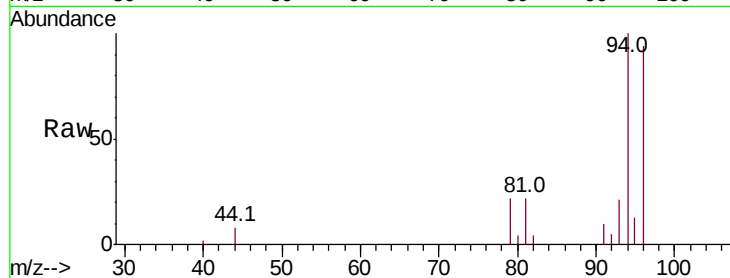
VW1215SBSD01

Tot Ion: 94 Resp: 7327

Ion Ratio Lower Upper

94 100

96 93.6 71.0 106.4



#6

Chloroethane

Concen: 19.509 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007452.D

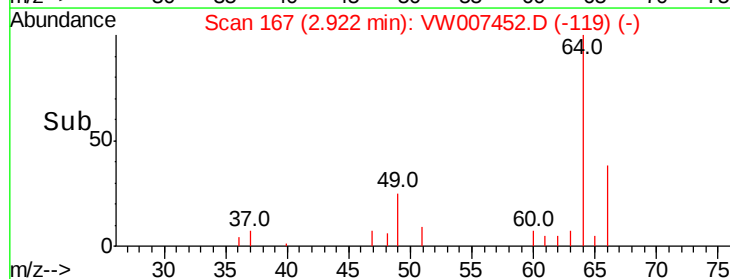
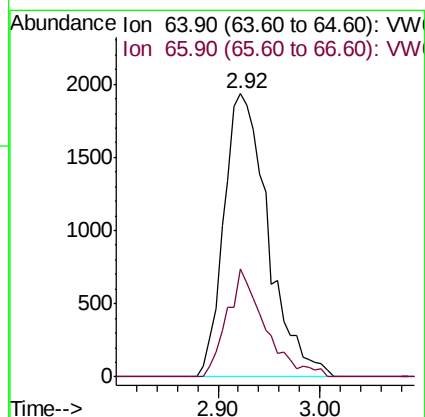
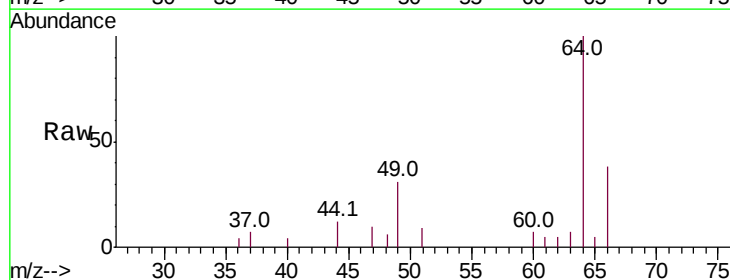
Acq: 12 Dec 2018 21:55

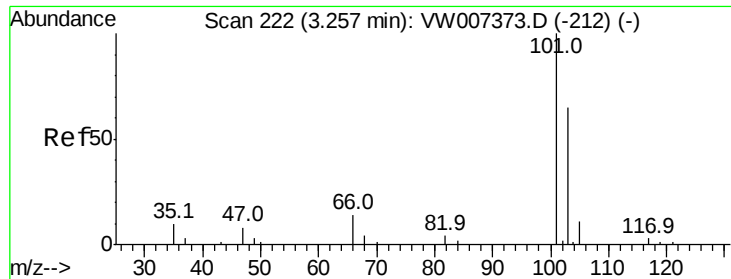
Tgt Ion: 64 Resp: 5814

Ion Ratio Lower Upper

64 100

66 38.4 24.6 37.0#



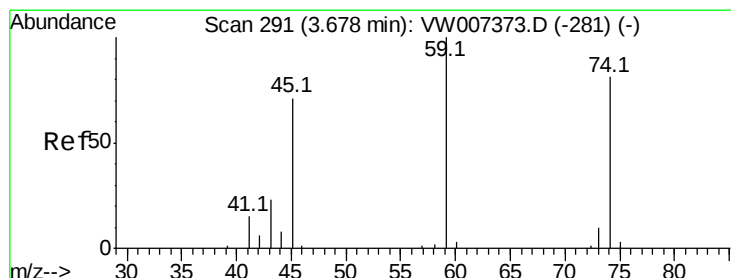
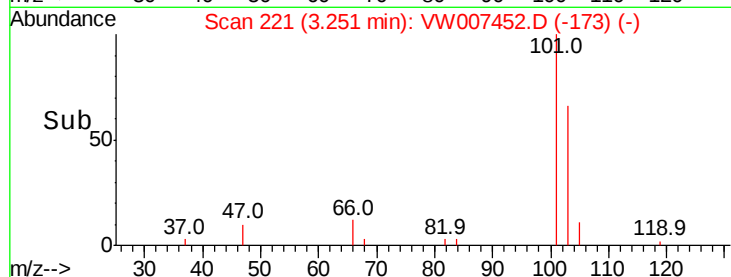
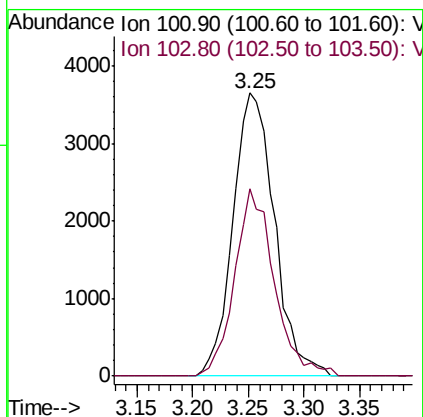
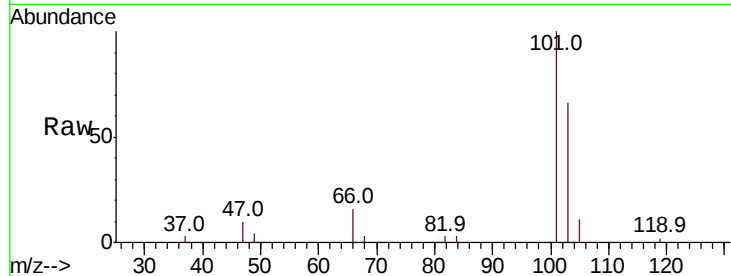


#7

Trichlorofluoromethane
 Concen: 19.454 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

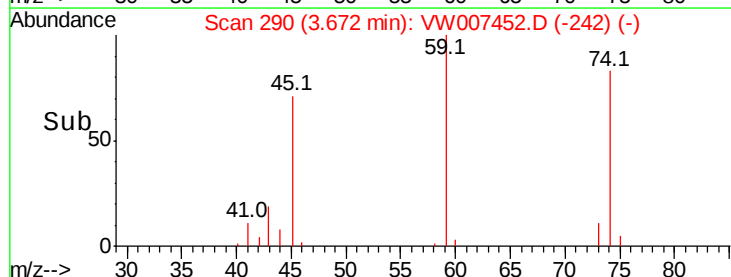
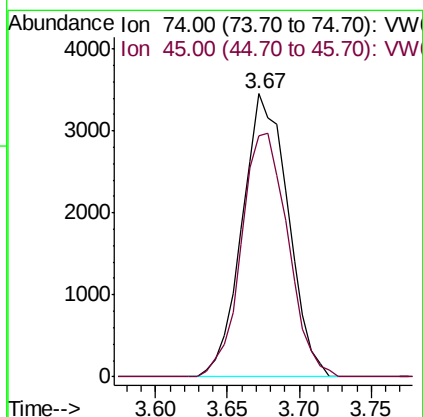
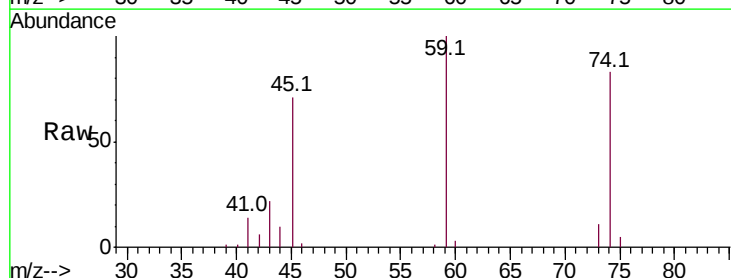
Tot Ion:101 Resp: 9469
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.7 77.5

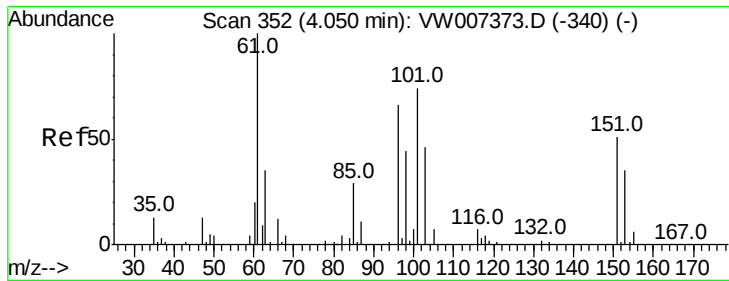


#8

Diethyl Ether
 Concen: 20.039 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion: 74 Resp: 7634
 Ion Ratio Lower Upper
 74 100
 45 87.1 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.714 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

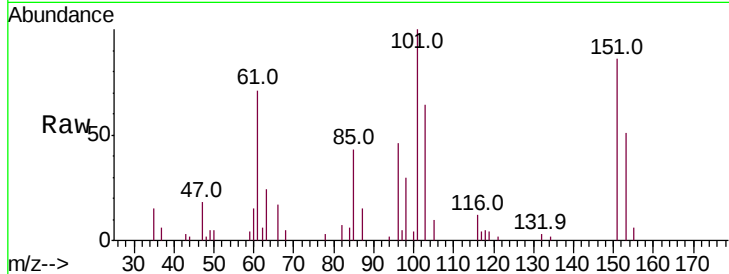
Tot Ion:101 Resp: 16636

Ion Ratio Lower Upper

101 100

85 44.0 33.9 50.9

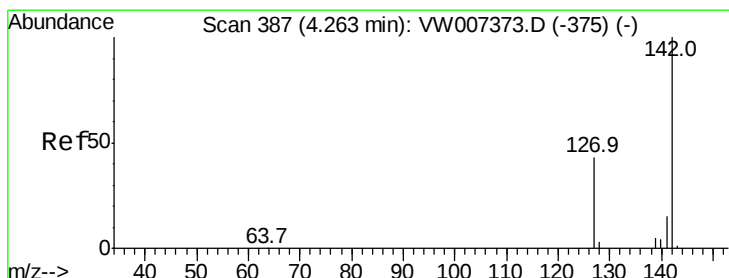
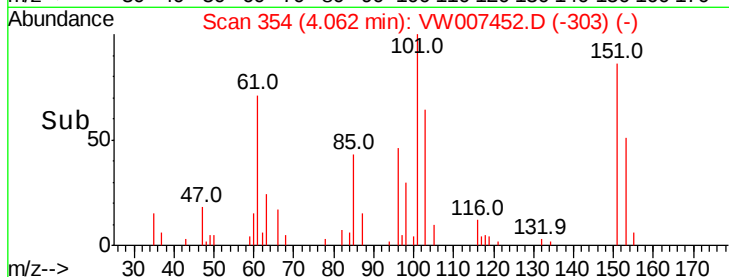
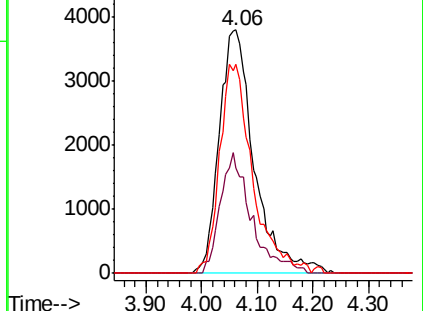
151 79.8 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VV

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.610 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

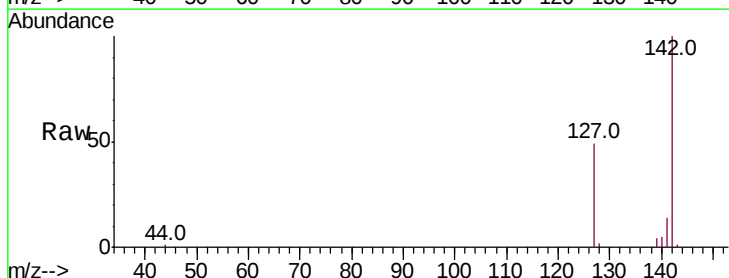
Tgt Ion:142 Resp: 27415

Ion Ratio Lower Upper

142 100

127 45.7 35.8 53.6

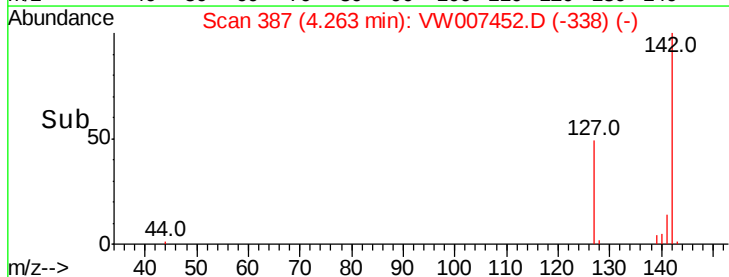
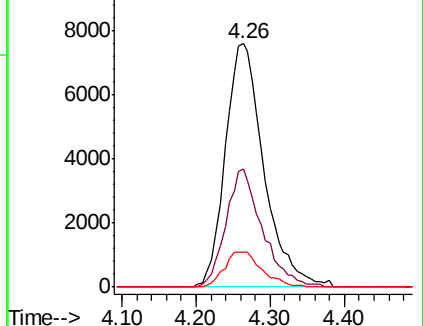
141 14.3 11.1 16.7

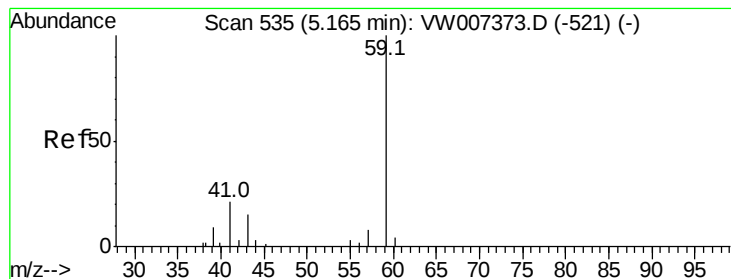


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



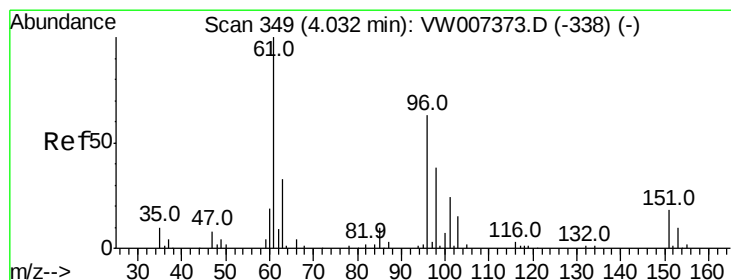
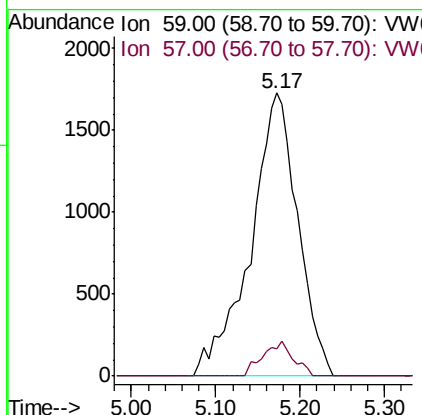
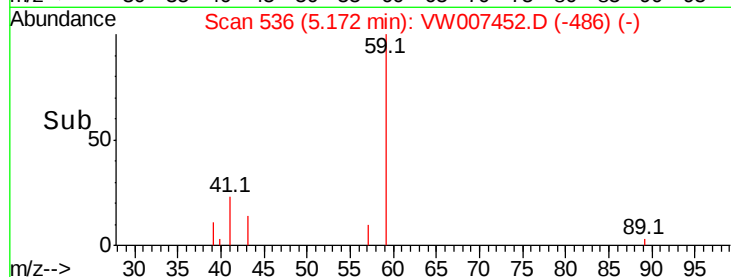
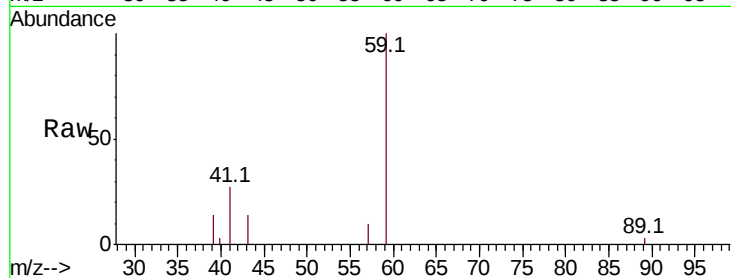


#11

Tert butyl alcohol
 Concen: 111.235 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

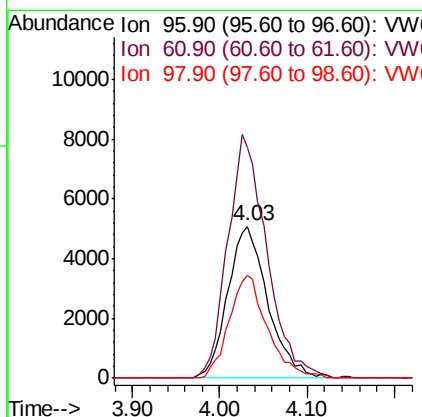
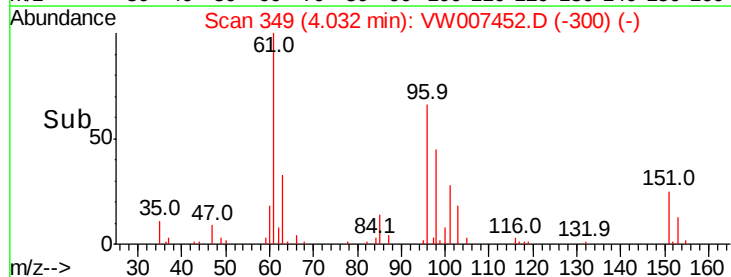
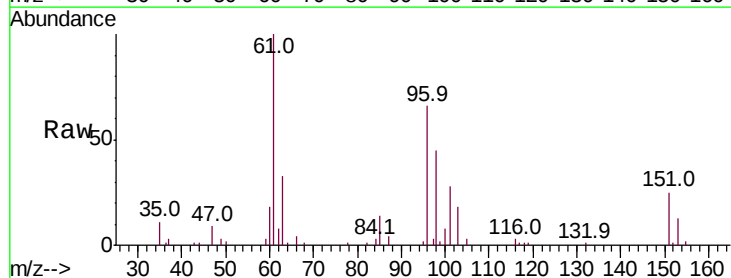
Tot Ion: 59 Resp: 6681
 Ion Ratio Lower Upper
 59 100
 57 8.0 7.6 11.4

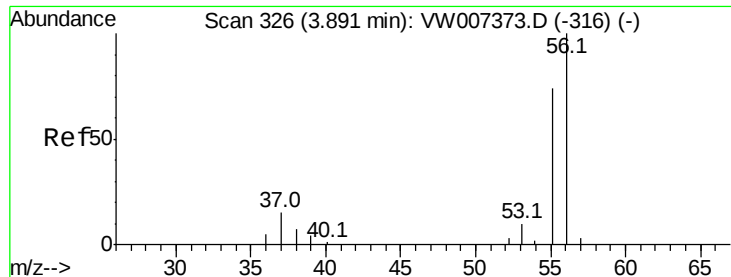


#12

1,1-Dichloroethene
 Concen: 20.928 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion: 96 Resp: 16183
 Ion Ratio Lower Upper
 96 100
 61 151.5 126.2 189.2
 98 67.6 48.3 72.5





#13

Acrolein

Concen: 107.945 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

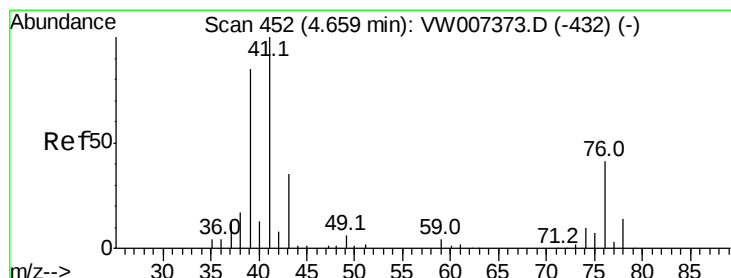
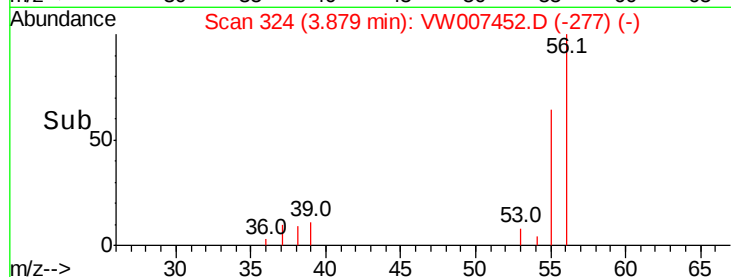
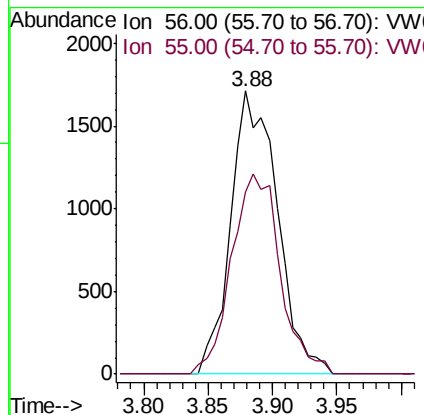
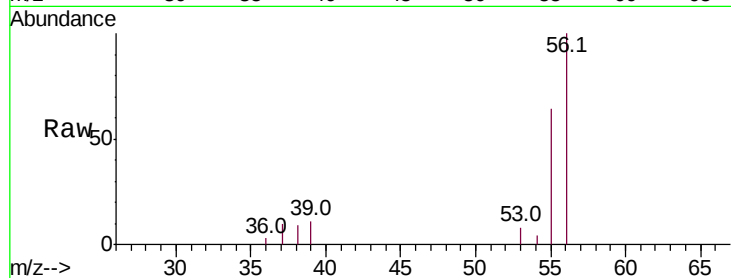
VW1215SBS01

Tot Ion: 56 Resp: 4290

Ion Ratio Lower Upper

56 100

55 73.9 57.4 86.2



#14

Allyl chloride

Concen: 19.574 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

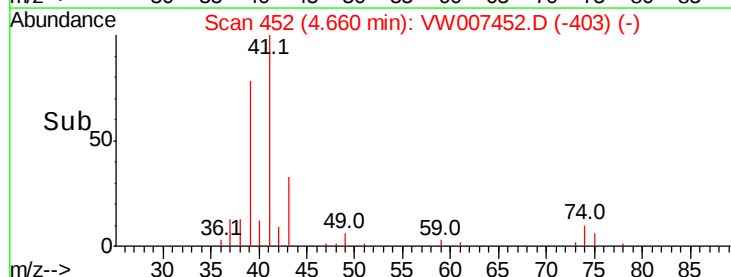
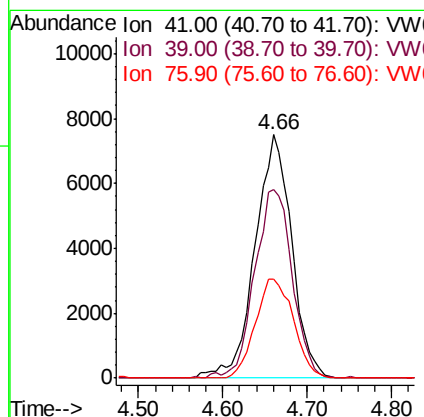
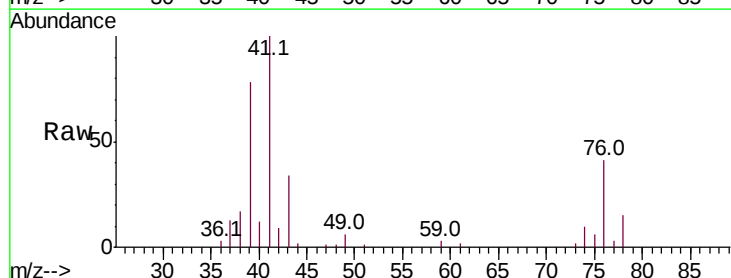
Tgt Ion: 41 Resp: 22311

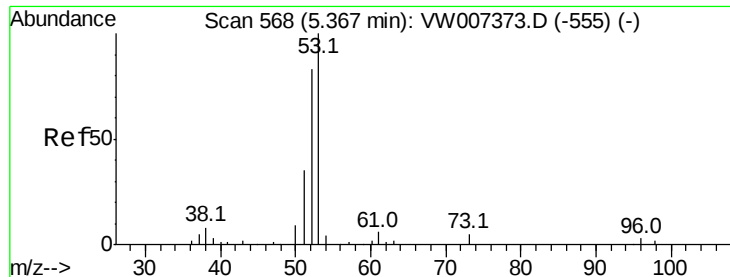
Ion Ratio Lower Upper

41 100

39 79.4 63.4 95.2

76 42.2 32.1 48.1





#15

Acrylonitrile

Concen: 98.127 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

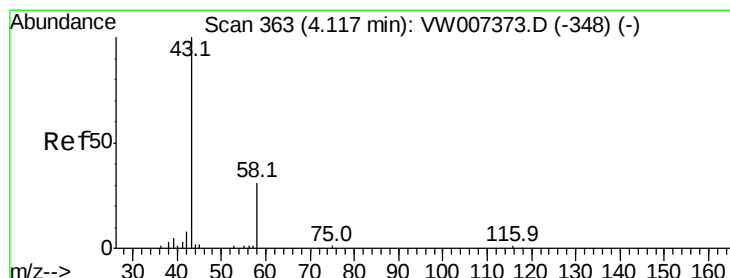
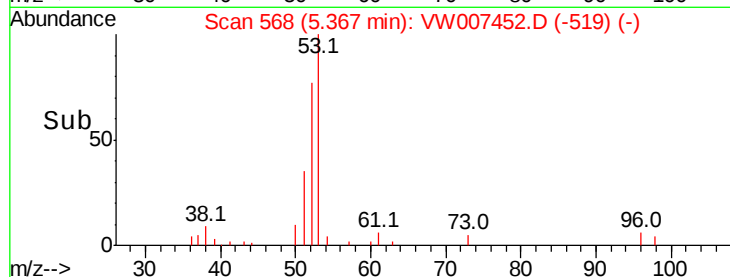
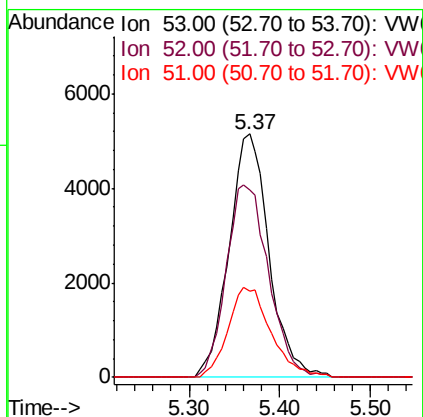
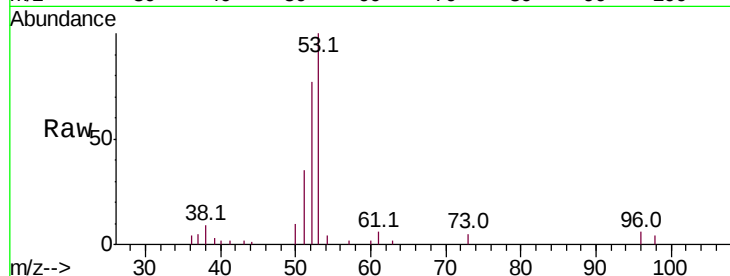
Tot Ion: 53 Resp: 15759

Ion Ratio Lower Upper

53 100

52 83.6 67.4 101.2

51 39.5 30.2 45.2



#16

Acetone

Concen: 100.802 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007452.D

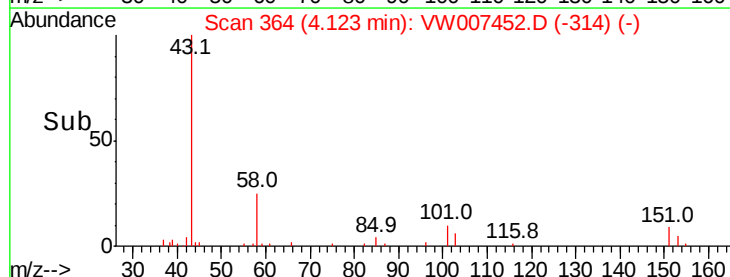
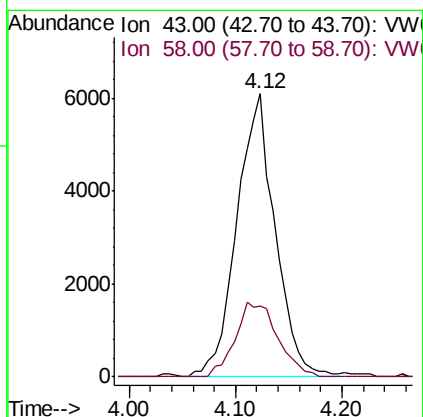
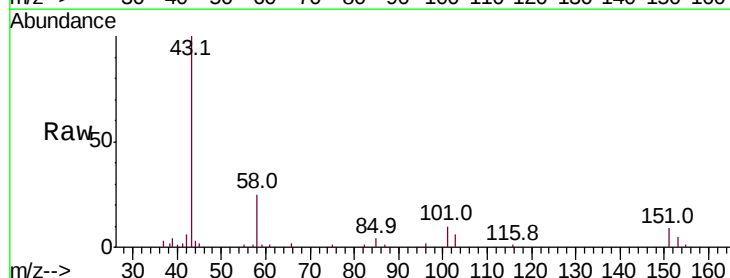
Acq: 12 Dec 2018 21:55

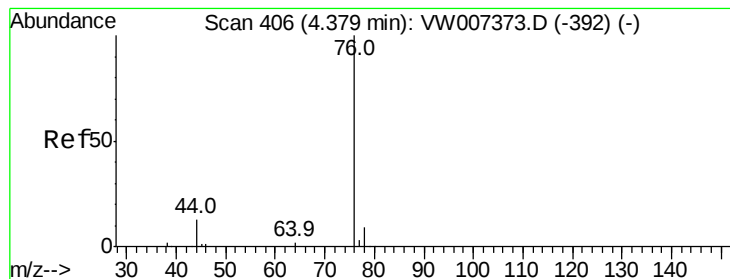
Tgt Ion: 43 Resp: 15398

Ion Ratio Lower Upper

43 100

58 24.9 24.9 37.3#





#17

Carbon Disulfide

Concen: 20.305 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

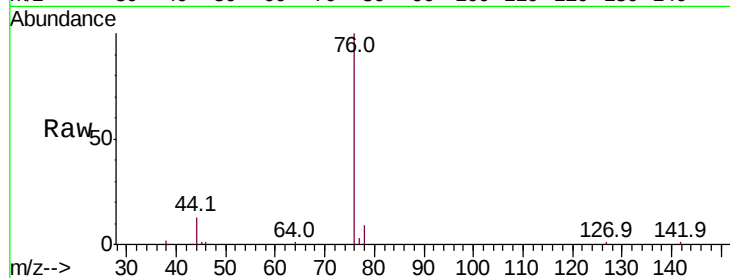
VW1215SBSD01

Tot Ion: 76 Resp: 47608

Ion Ratio Lower Upper

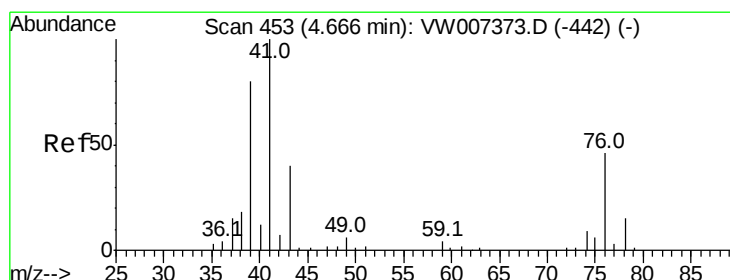
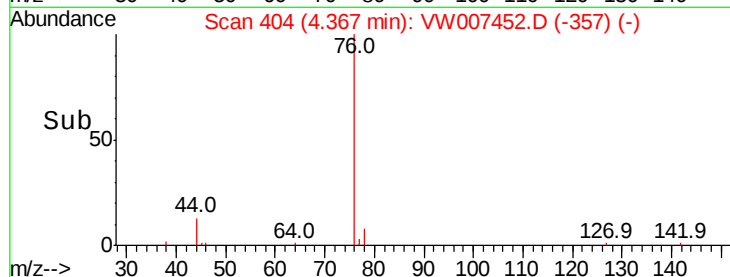
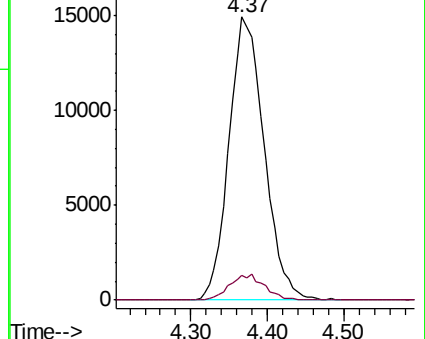
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.340 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW007452.D

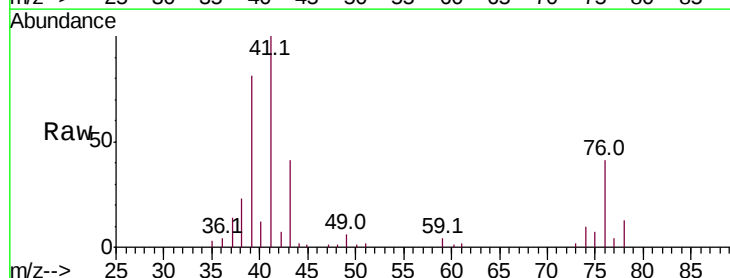
Acq: 12 Dec 2018 21:55

Tgt Ion: 43 Resp: 8433

Ion Ratio Lower Upper

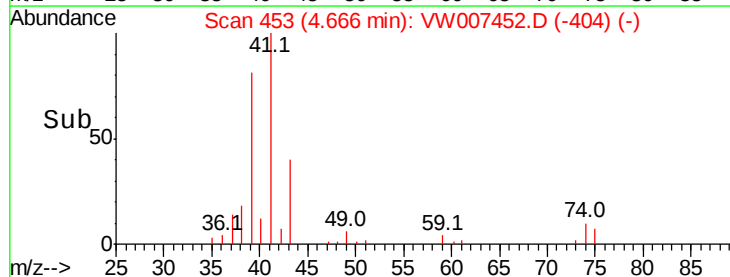
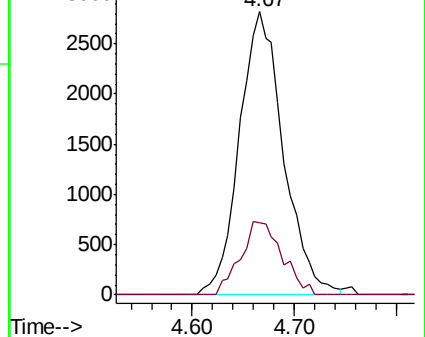
43 100

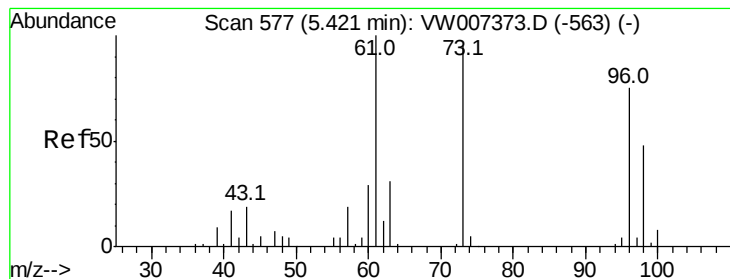
74 24.5 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



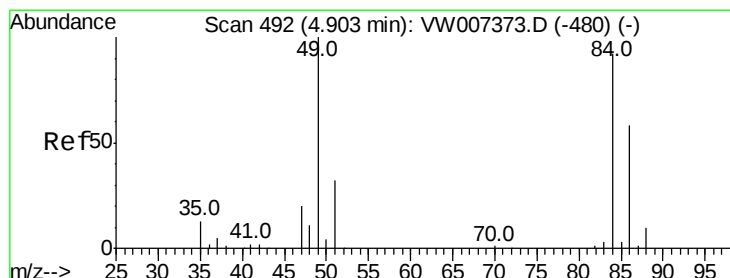
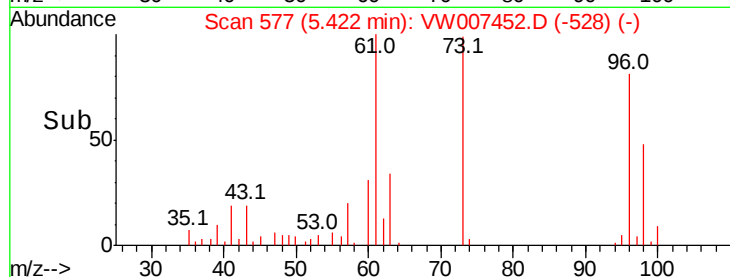
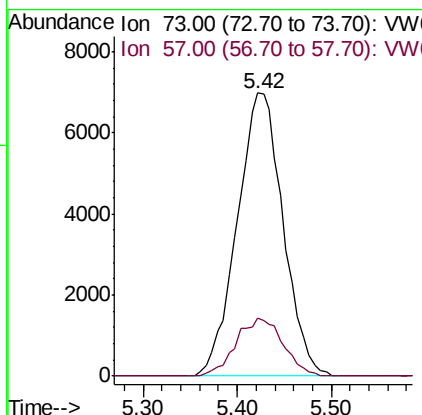
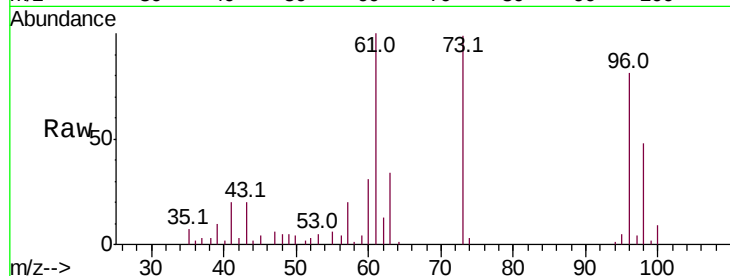


#19

Methyl tert-butyl Ether
 Concen: 20.390 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

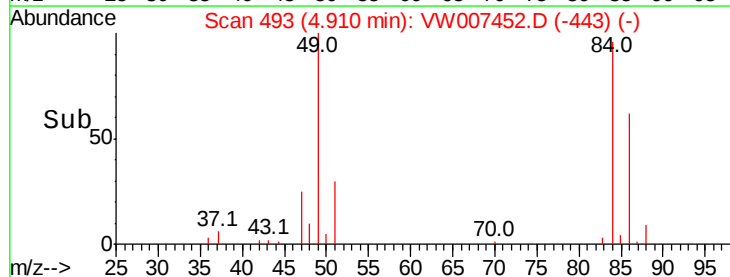
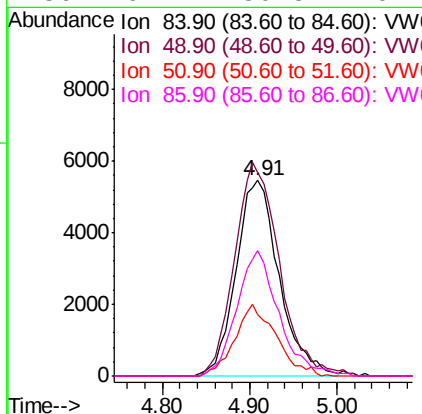
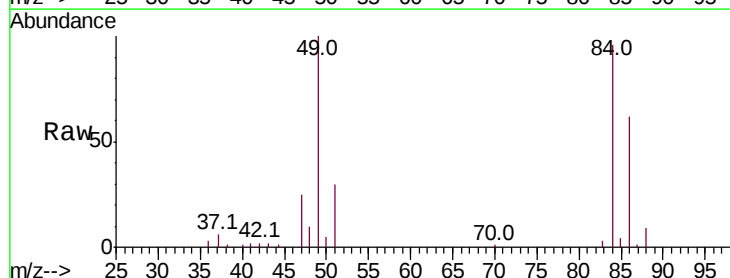
Tot Ion: 73 Resp: 23786
 Ion Ratio Lower Upper
 73 100
 57 20.4 16.4 24.6

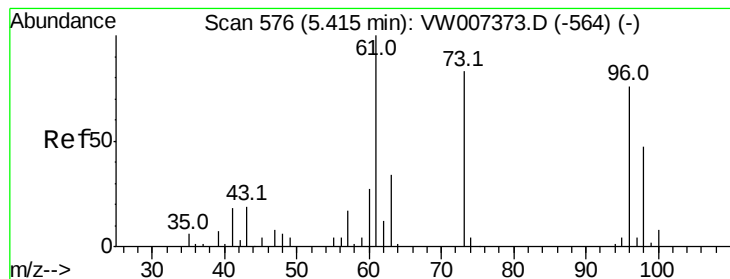


#20

Methylene Chloride
 Concen: 20.068 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion: 84 Resp: 18723
 Ion Ratio Lower Upper
 84 100
 49 103.8 87.1 130.7
 51 31.3 28.2 42.2
 86 64.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.689 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

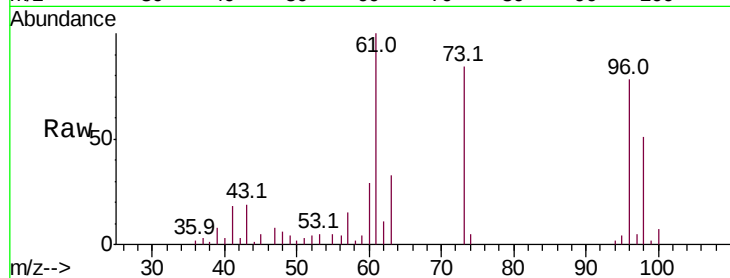
Tot Ion: 96 Resp: 17897

Ion Ratio Lower Upper

96 100

61 127.6 105.0 157.6

98 64.9 49.7 74.5

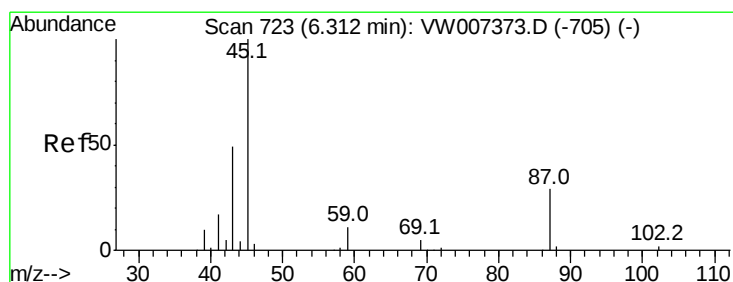
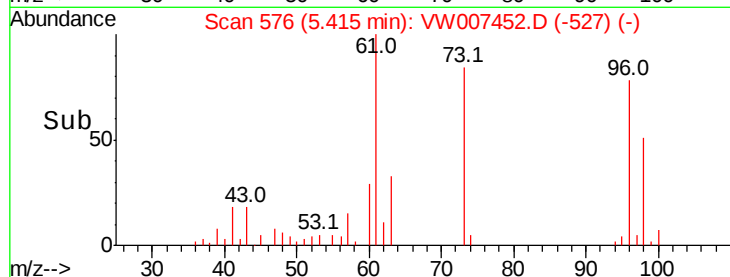
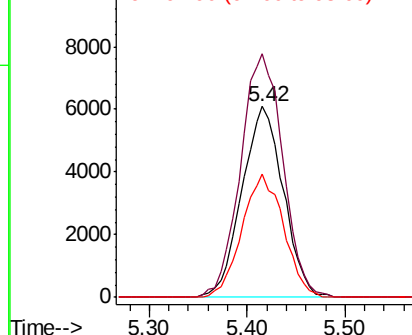


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.295 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Tgt Ion: 45 Resp: 44464

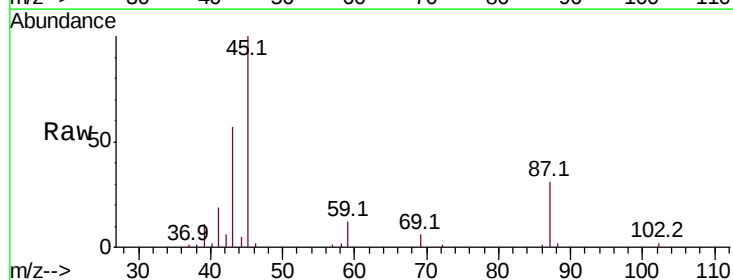
Ion Ratio Lower Upper

45 100

43 55.6 41.6 62.4

87 30.5 24.3 36.5

59 11.9 9.4 14.0



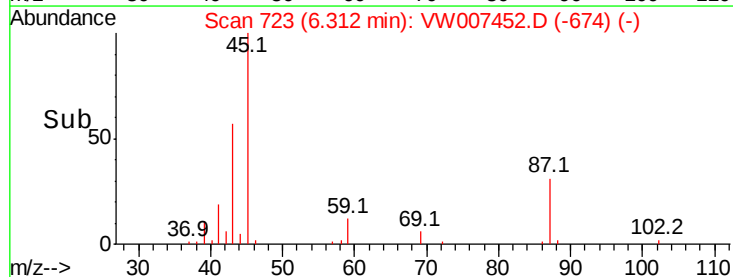
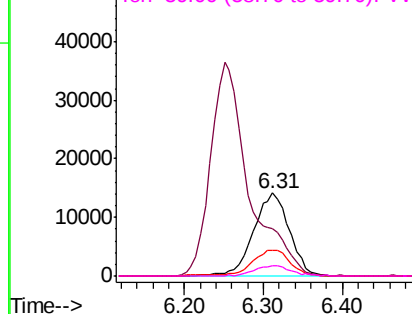
Abundance

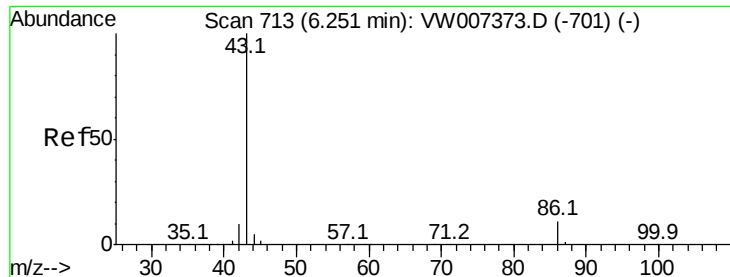
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 100.644 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

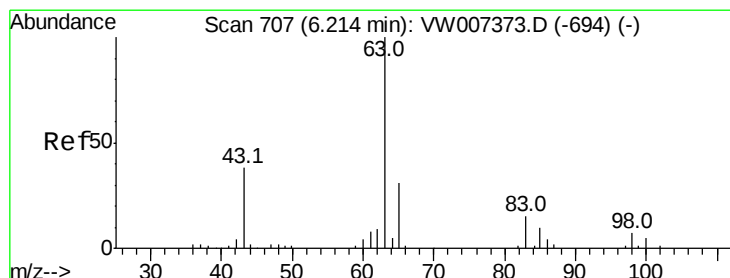
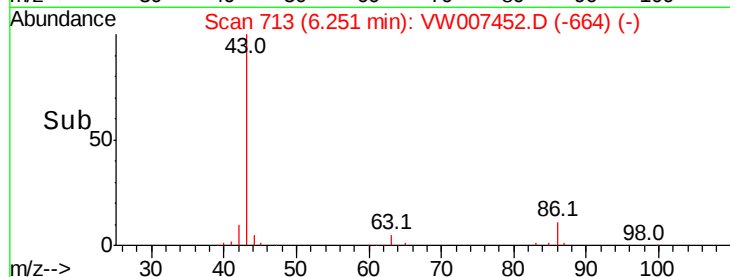
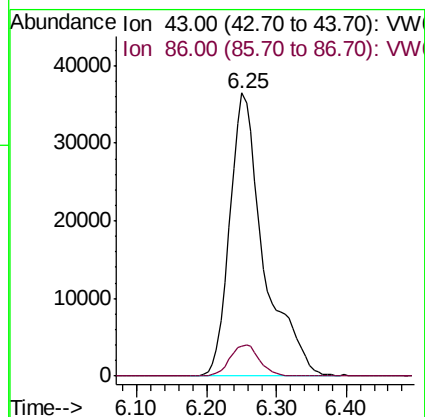
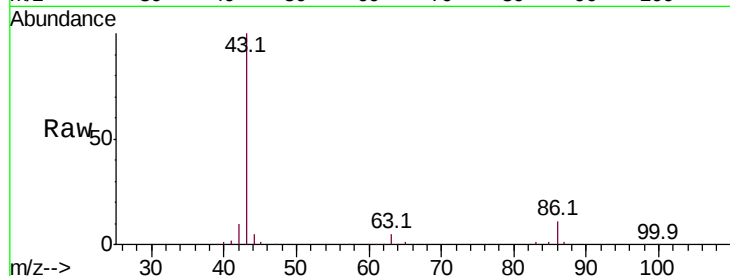
VW1215SBSD01

Tot Ion: 43 Resp: 123335

Ion Ratio Lower Upper

43 100

86 10.7 8.6 12.8



#24

1,1-Dichloroethane

Concen: 20.457 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

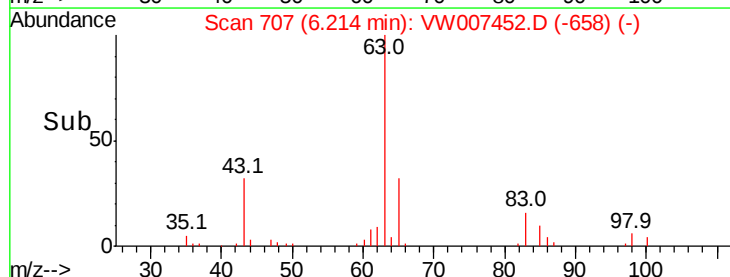
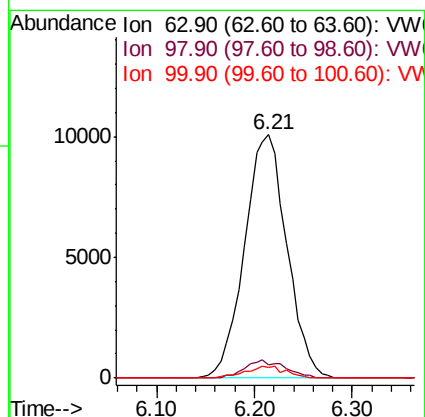
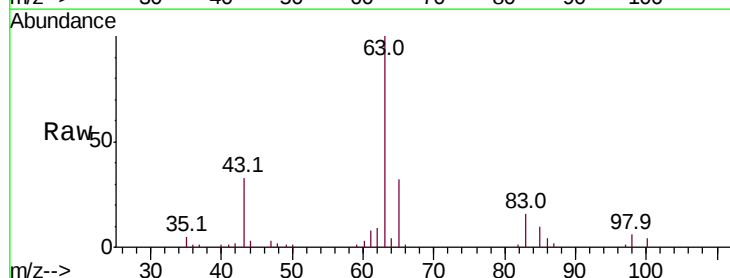
Tgt Ion: 63 Resp: 30292

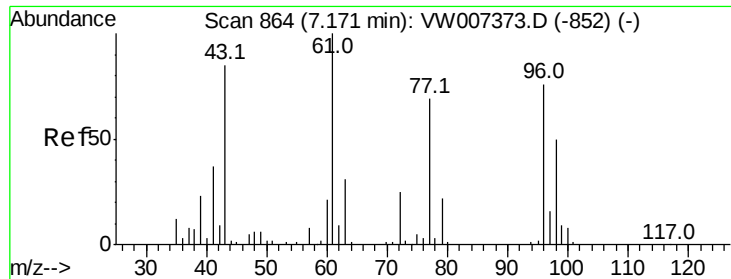
Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.4

100 4.1 2.5 7.5





#25

2-Butanone

Concen: 98.359 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampled :

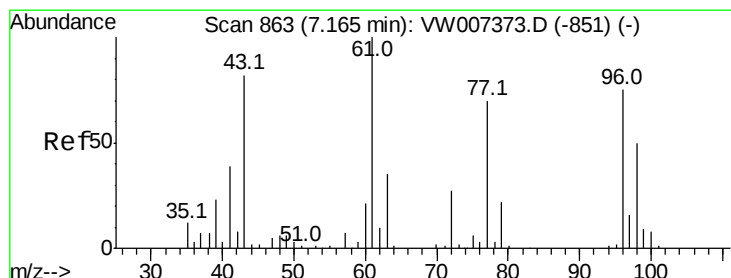
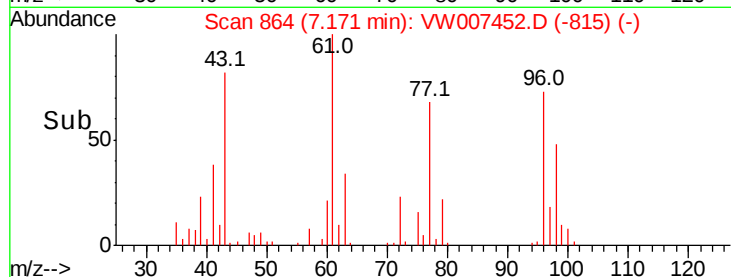
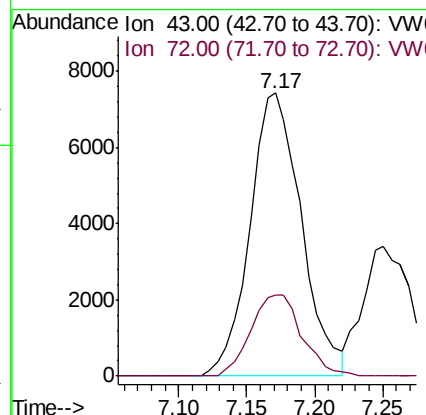
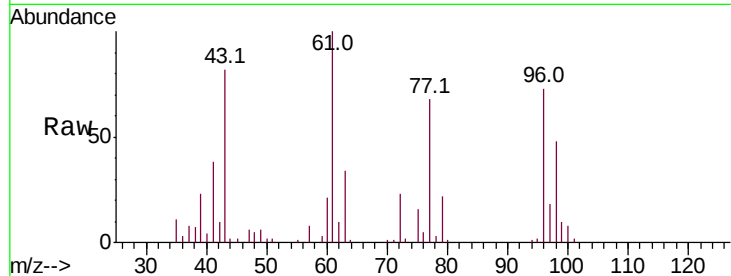
VW1215SBS01

Tot Ion: 43 Resp: 19615

Ion Ratio Lower Upper

43 100

72 28.4 23.4 35.2



#26

2,2-Dichloropropane

Concen: 20.371 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007452.D

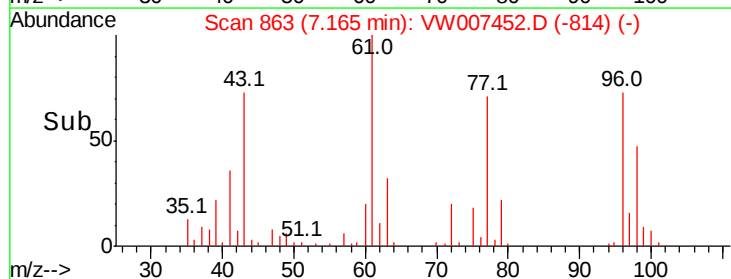
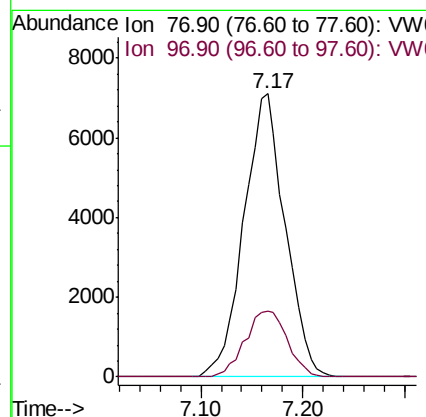
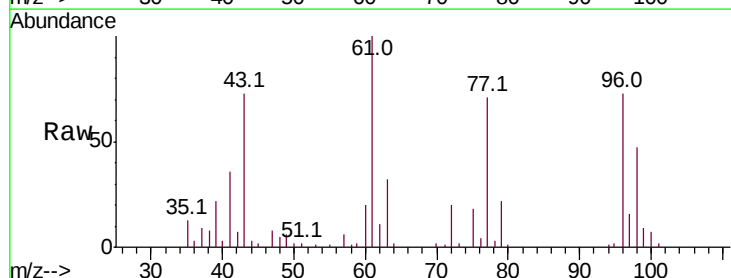
Acq: 12 Dec 2018 21:55

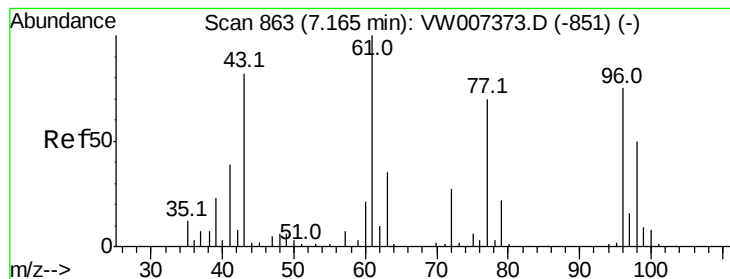
Tgt Ion: 77 Resp: 19963

Ion Ratio Lower Upper

77 100

97 23.7 11.6 34.8



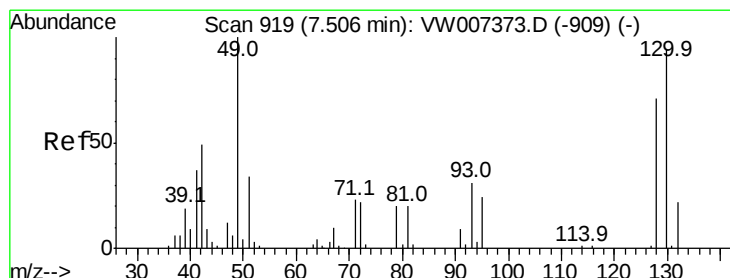
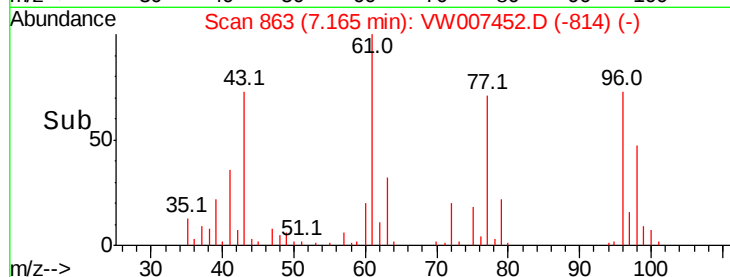
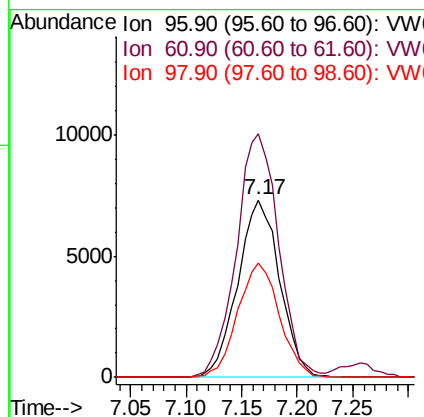
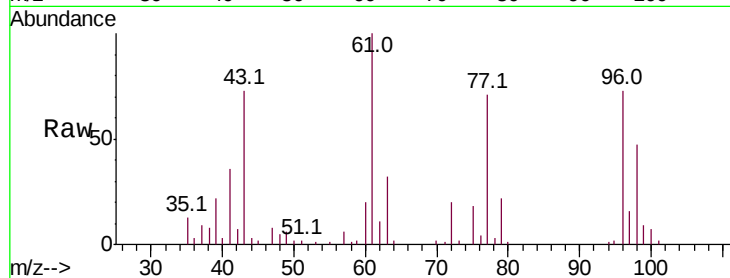


#27

cis-1,2-Dichloroethene
 Concen: 20.219 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1215SBSD01

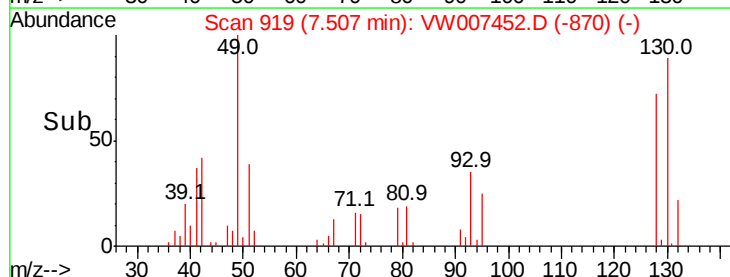
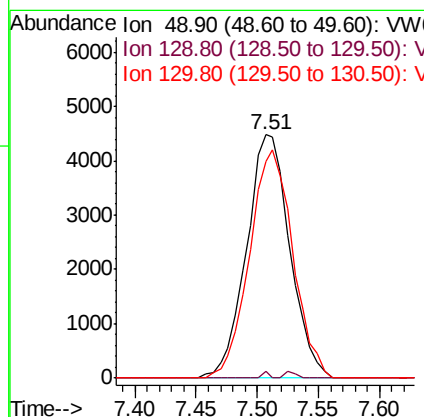
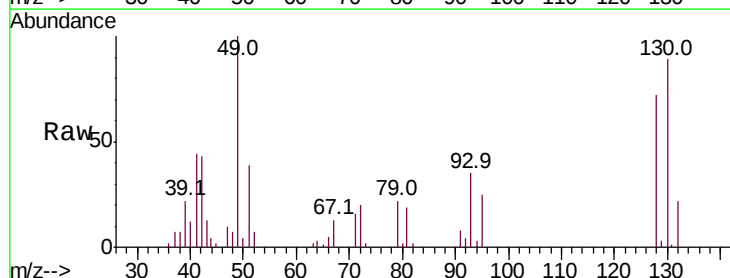
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	268.4
98	64.0	0.0	127.8

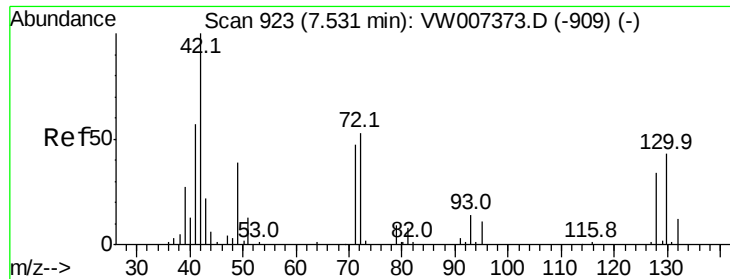


#28

Bromochloromethane
 Concen: 19.793 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.6
130	94.0	75.9	113.9





#29

Tetrahydrofuran

Concen: 99.091 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

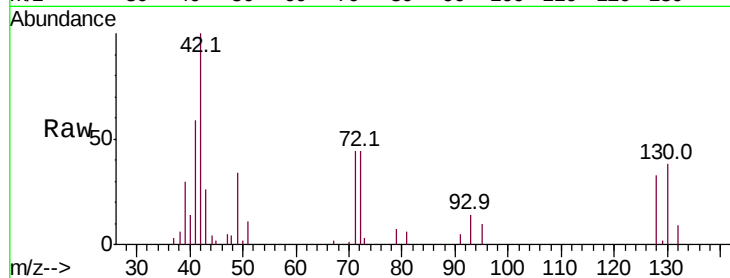
Tot Ion: 42 Resp: 12510

Ion Ratio Lower Upper

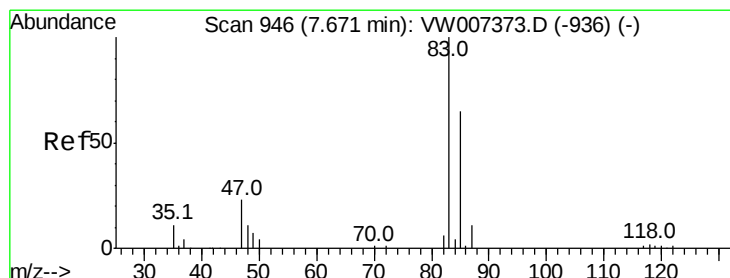
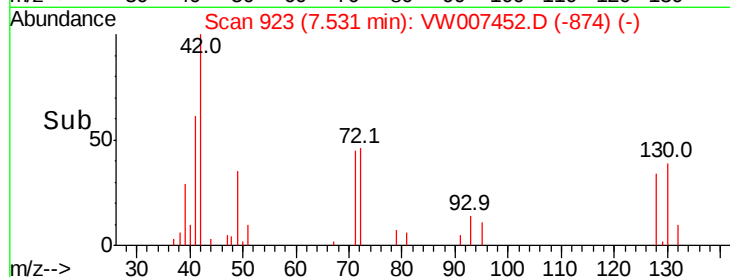
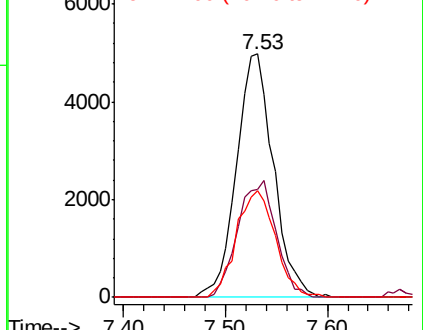
42 100

72 50.1 38.2 57.4

71 46.6 35.5 53.3



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



#30

Chloroform

Concen: 20.339 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW007452.D

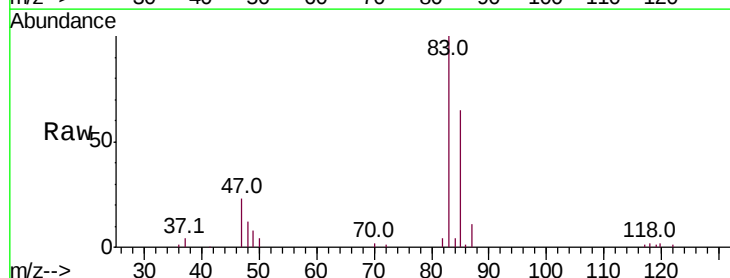
Acq: 12 Dec 2018 21:55

Tgt Ion: 83 Resp: 32775

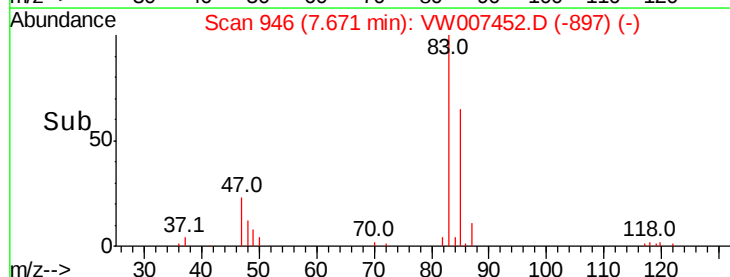
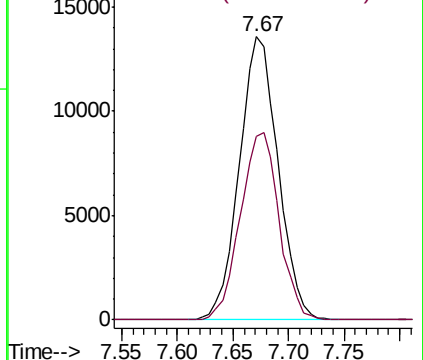
Ion Ratio Lower Upper

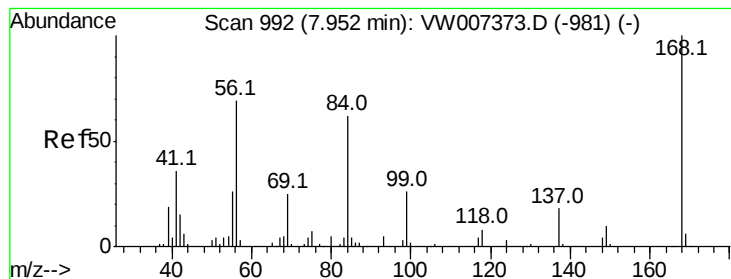
83 100

85 65.0 51.8 77.8



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





#31

Cyclohexane

Concen: 20.032 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

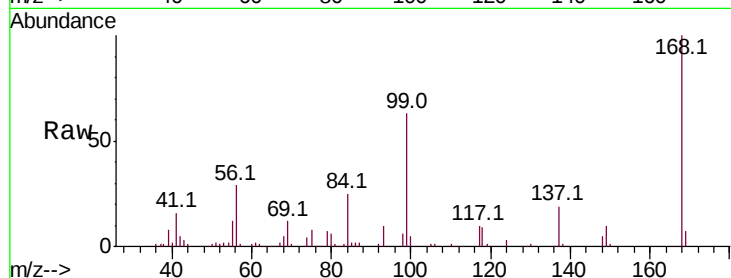
Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion: 56 Resp: 27215

Ion	Ratio	Lower	Upper
56	100		
69	42.5	28.9	43.3
84	87.7	71.8	107.6

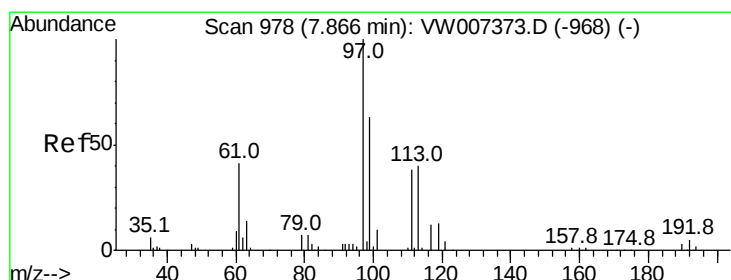
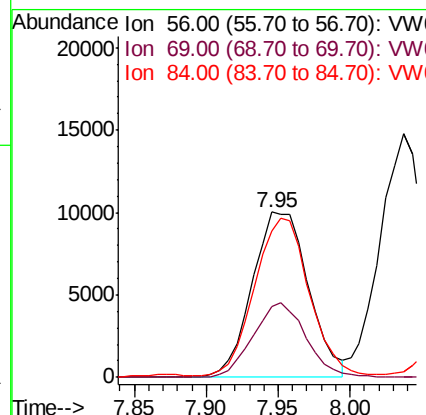
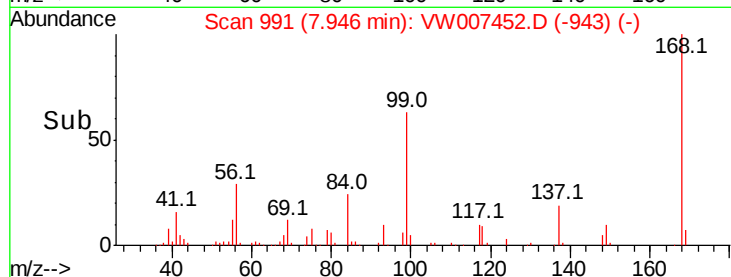


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 20.943 ug/l

RT: 7.87 min Scan# 979

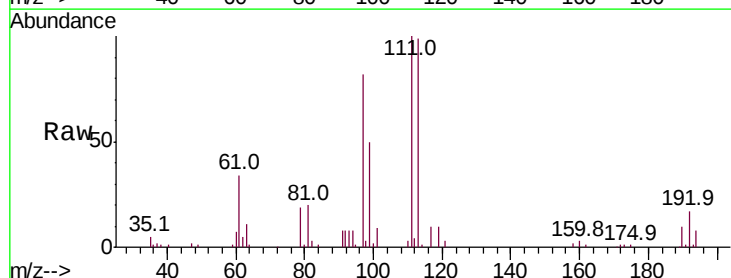
Delta R.T. 0.01 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Tgt Ion: 97 Resp: 29594

Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.1	76.7
61	40.7	33.2	49.8

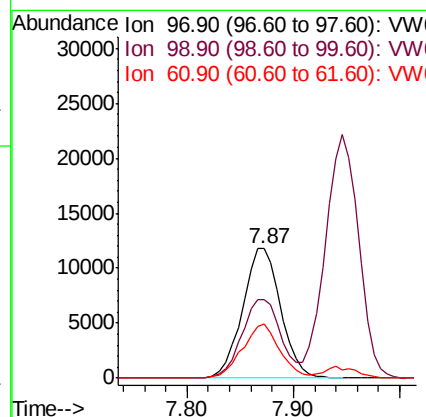
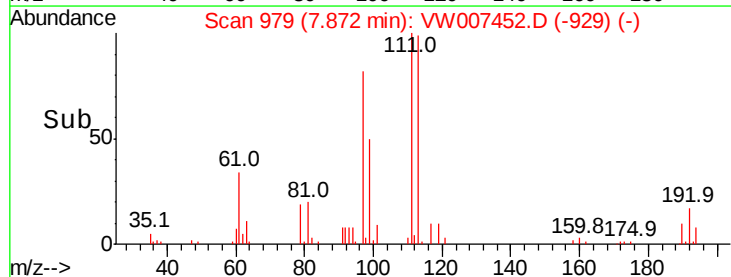


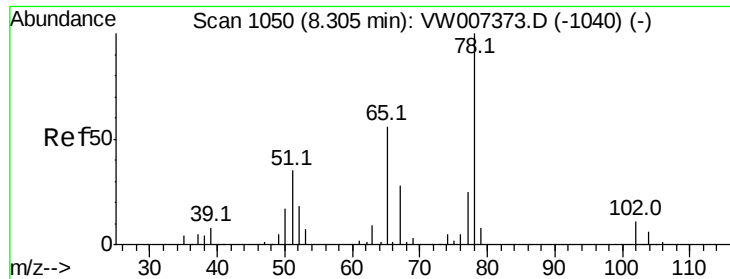
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

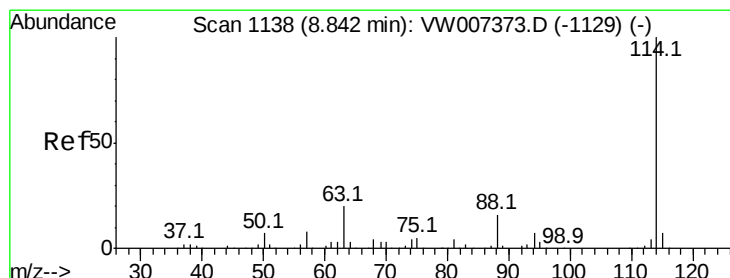
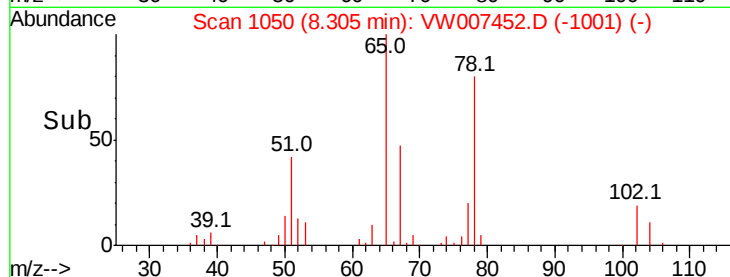
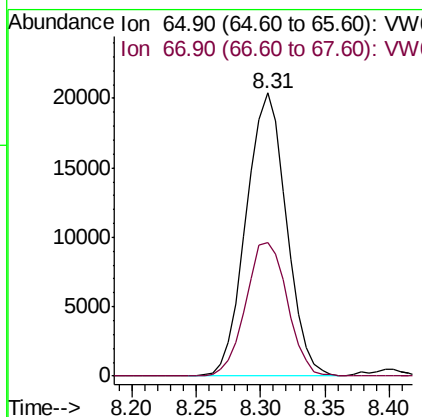
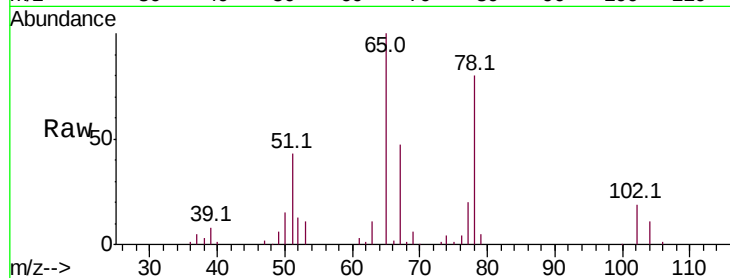




#33
 1,2-Dichloroethane-d4
 Concen: 50.397 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

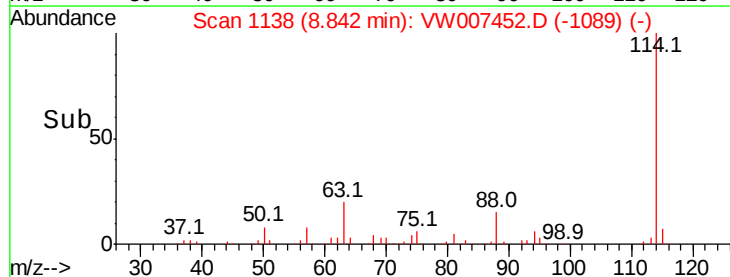
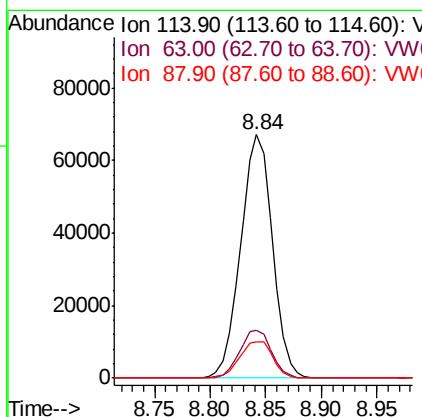
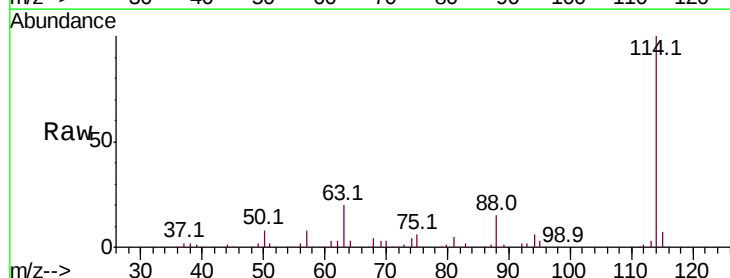
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

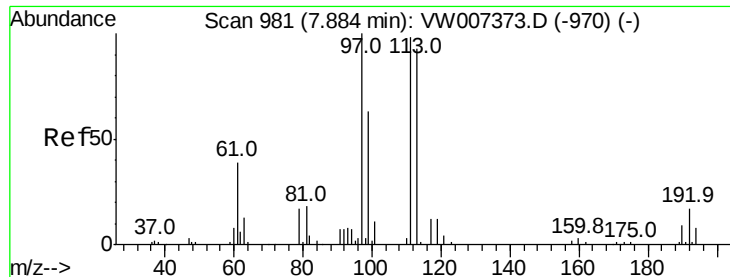
Tot Ion: 65 Resp: 44074
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion: 114 Resp: 132855
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 14.8 0.0 31.4

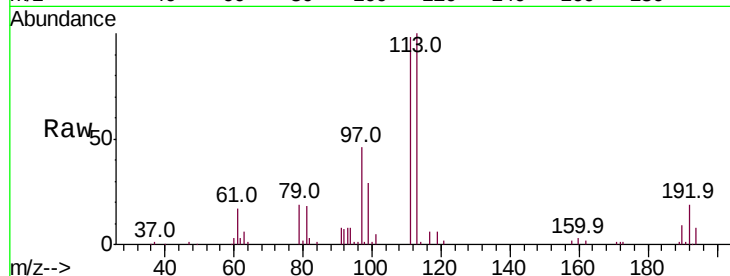




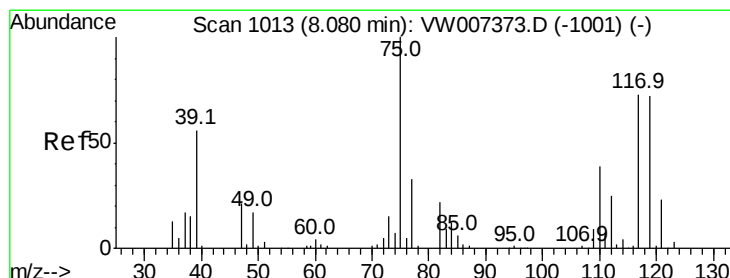
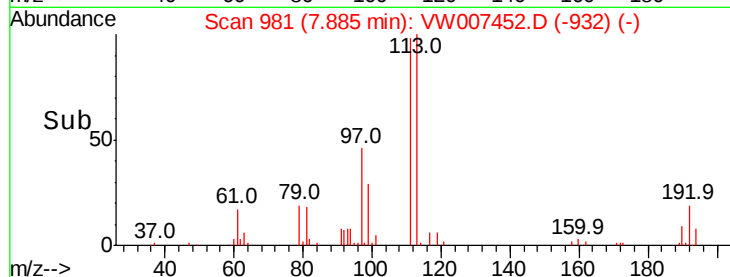
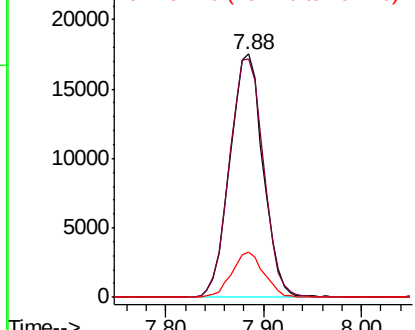
#35
 Dibromofluoromethane
 Concen: 51.324 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

Tot Ion:113 Resp: 41276
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.1 121.7
 192 18.0 14.6 21.8

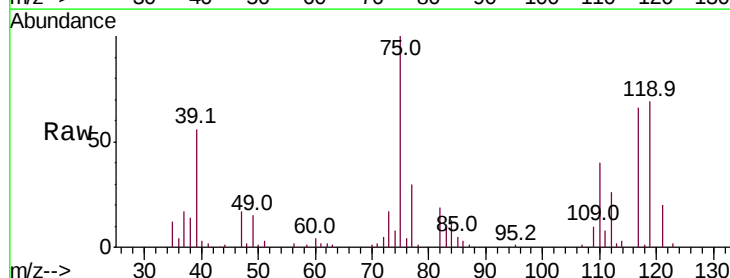


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

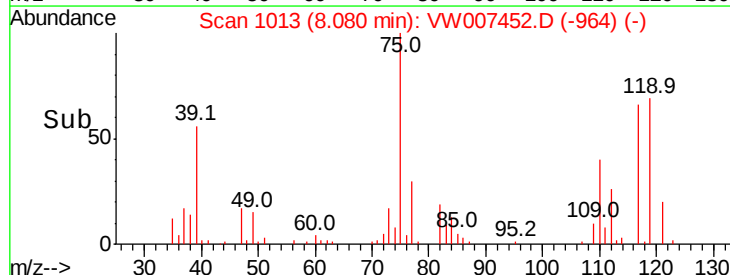
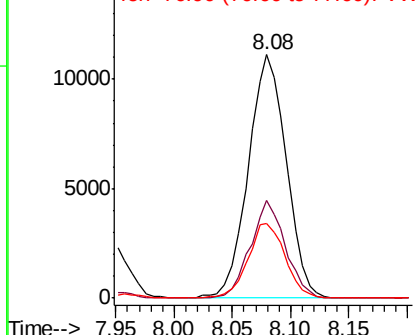


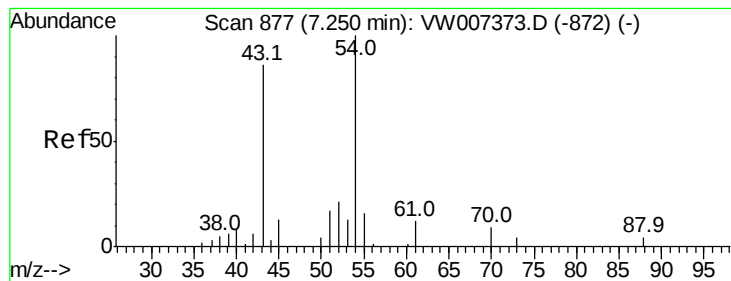
#36
 1,1-Dichloropropene
 Concen: 20.729 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion: 75 Resp: 25123
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.5 55.5
 77 30.0 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: 19.489 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

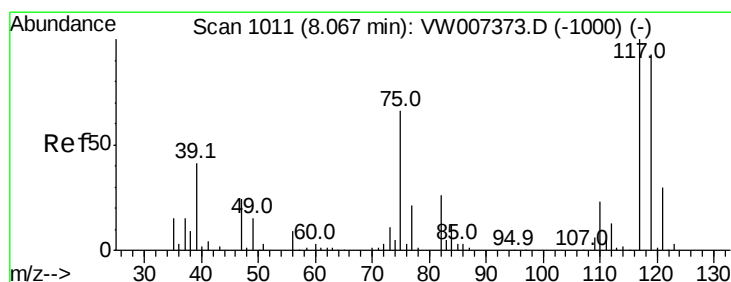
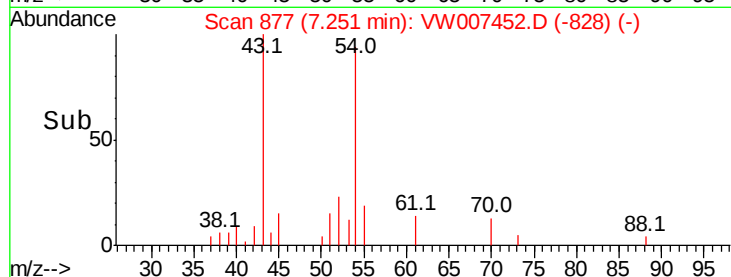
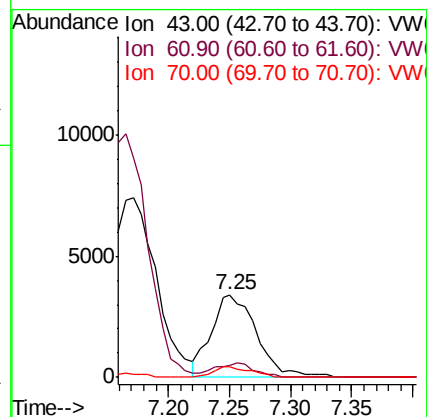
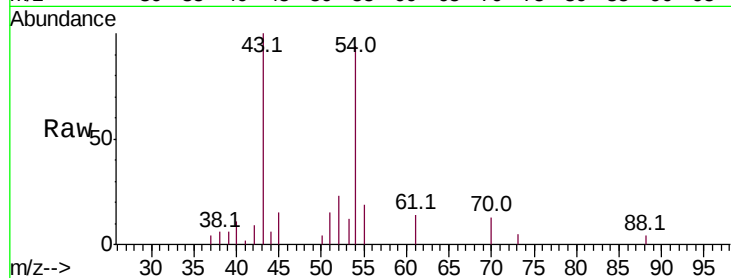
Tot Ion: 43 Resp: 8785

Ion Ratio Lower Upper

43 100

61 15.7 12.1 18.1

70 10.8 10.0 15.0



#38

Carbon Tetrachloride

Concen: 21.111 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

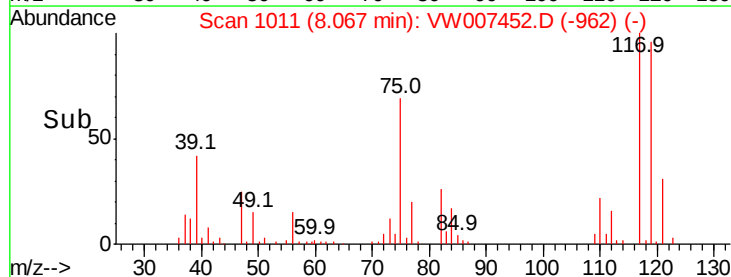
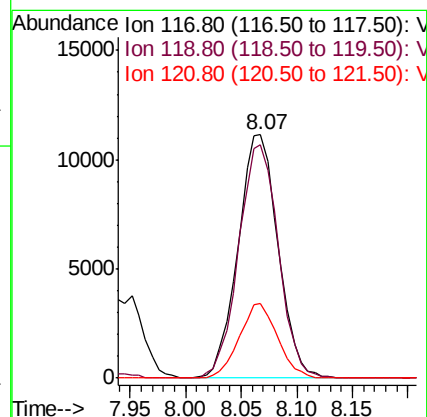
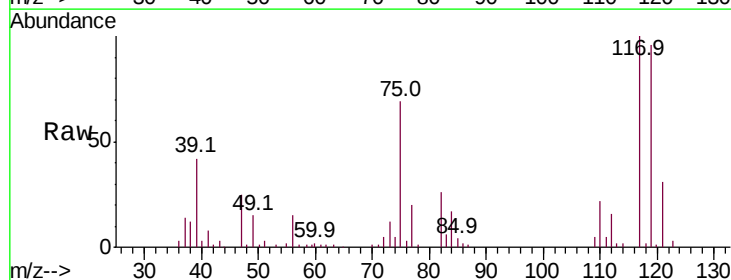
Tgt Ion: 117 Resp: 27839

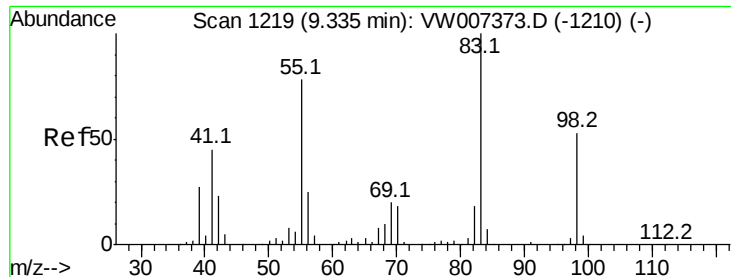
Ion Ratio Lower Upper

117 100

119 96.0 74.3 111.5

121 30.9 24.3 36.5

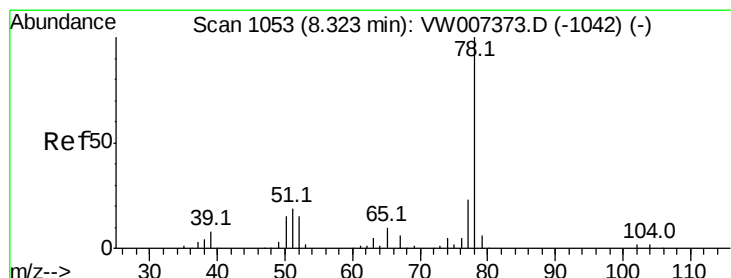
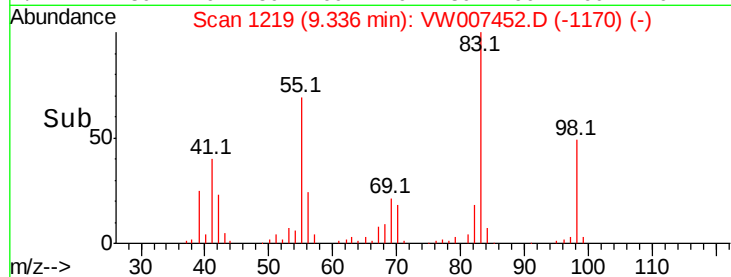
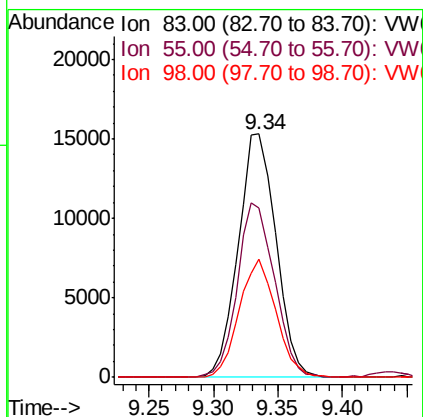
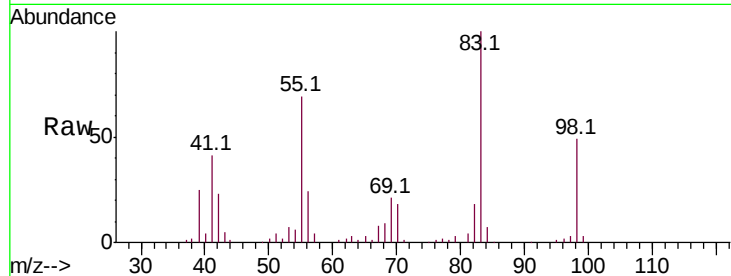




#39
Methvlcvclohexane
Concen: 21.250 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

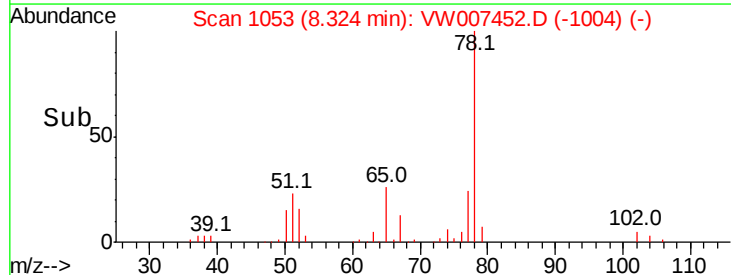
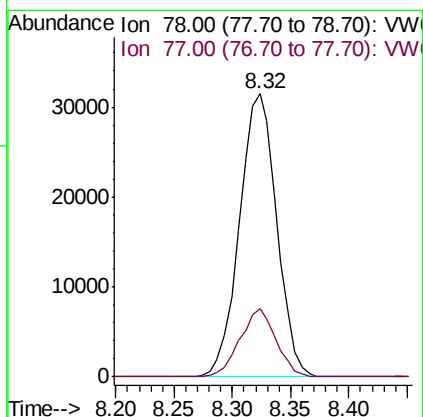
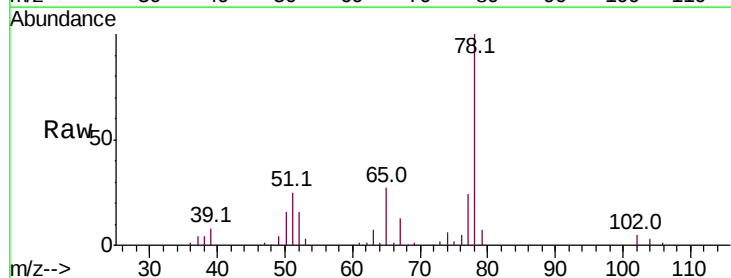
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBSD01

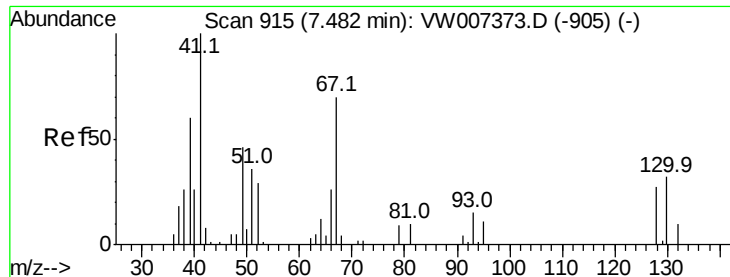
Tot Ion: 83 Resp: 31185
Ion Ratio Lower Upper
83 100
55 69.5 62.8 94.2
98 48.5 42.2 63.2



#40
Benzene
Concen: 20.798 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

Tgt Ion: 78 Resp: 69951
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2





#41

Methacrylonitrile

Concen: 20.885 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBSD01

Tot Ion: 41 Resp: 5361

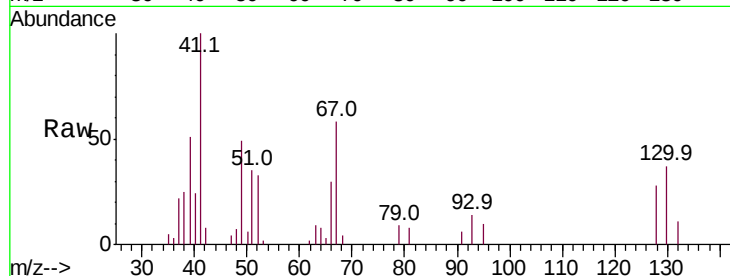
Ion Ratio Lower Upper

41 100

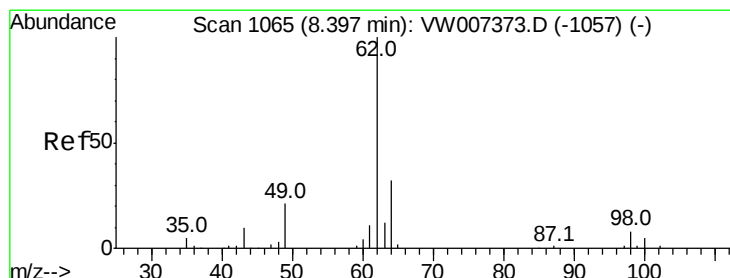
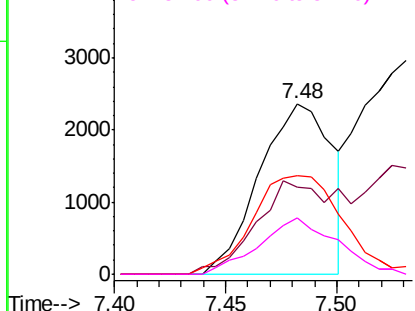
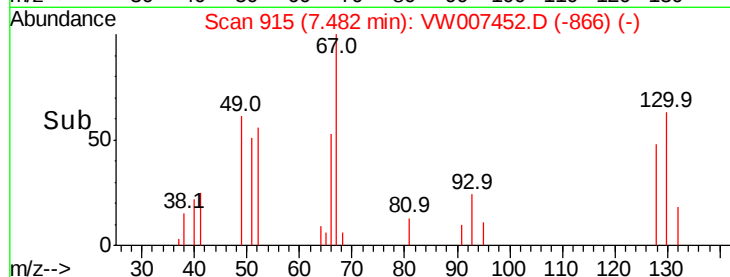
39 49.2 52.2 78.2#

67 71.6 60.5 90.7

52 35.2 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: 20.441 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW007452.D

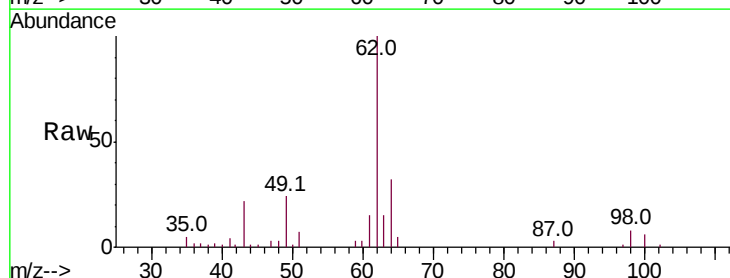
Acq: 12 Dec 2018 21:55

Tgt Ion: 62 Resp: 21597

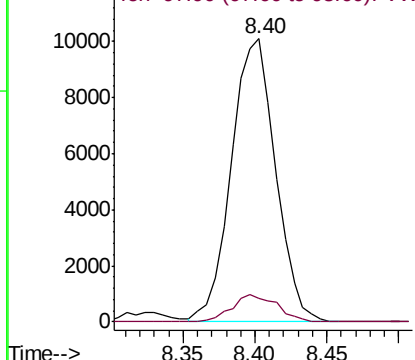
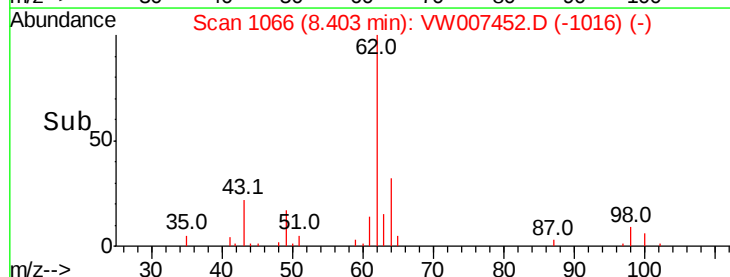
Ion Ratio Lower Upper

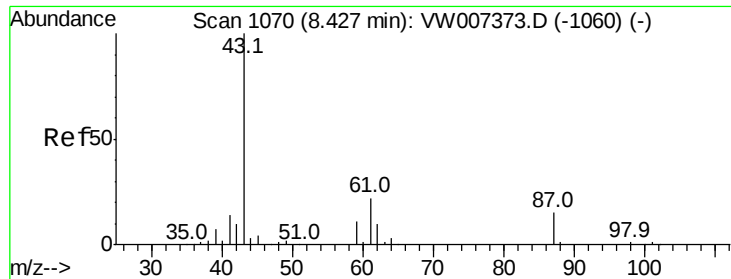
62 100

98 9.8 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: 19.898 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

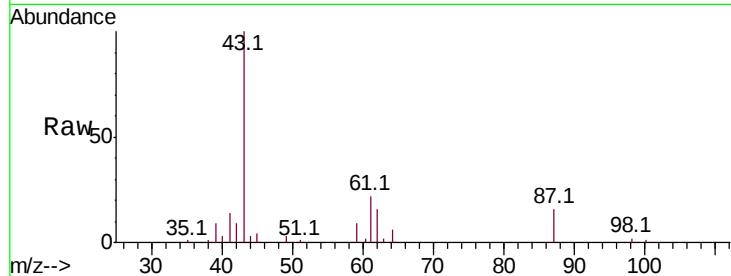
Tot Ion: 43 Resp: 17717

Ion Ratio Lower Upper

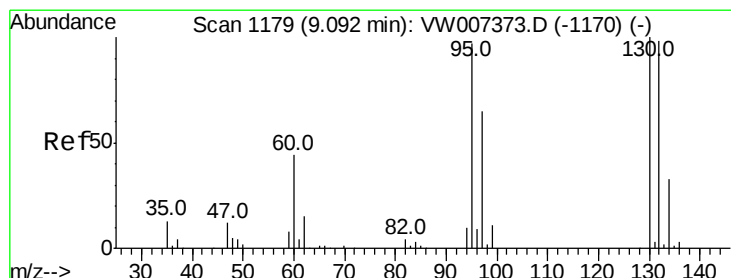
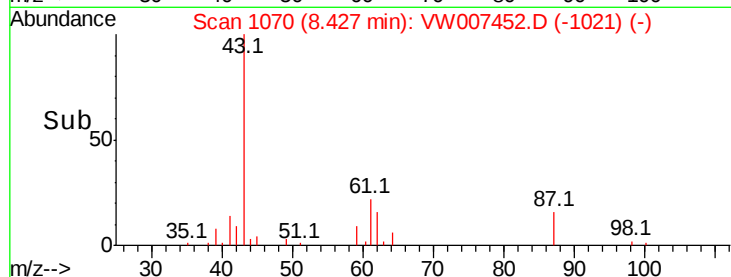
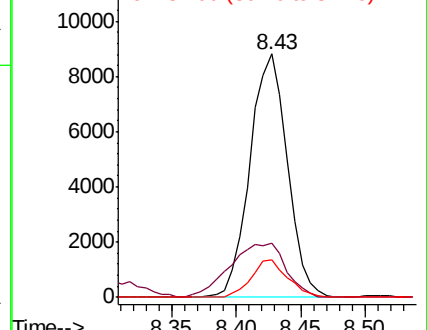
43 100

61 33.3 25.3 37.9

87 14.9 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: 20.812 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007452.D

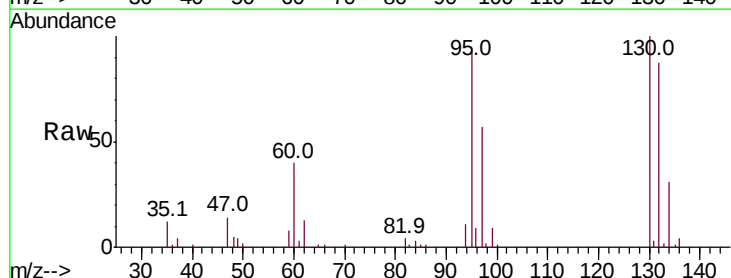
Acq: 12 Dec 2018 21:55

Tgt Ion: 130 Resp: 19989

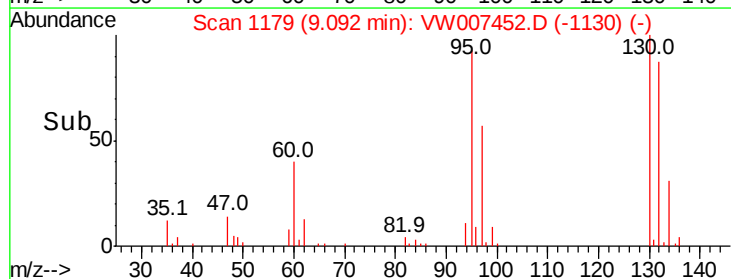
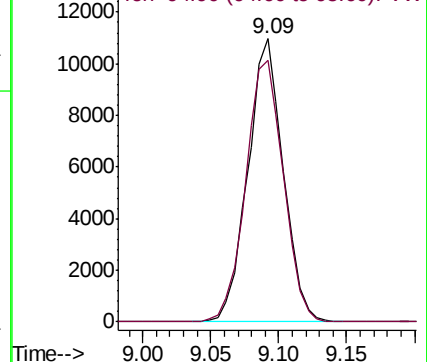
Ion Ratio Lower Upper

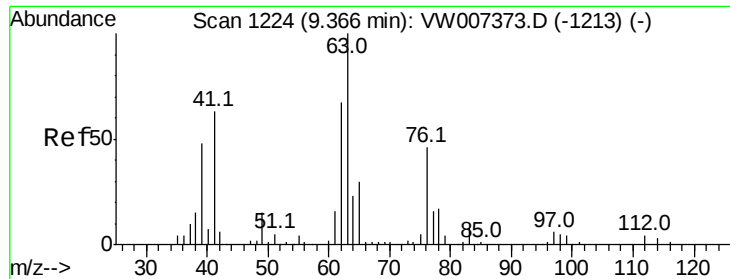
130 100

95 92.6 0.0 193.2



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

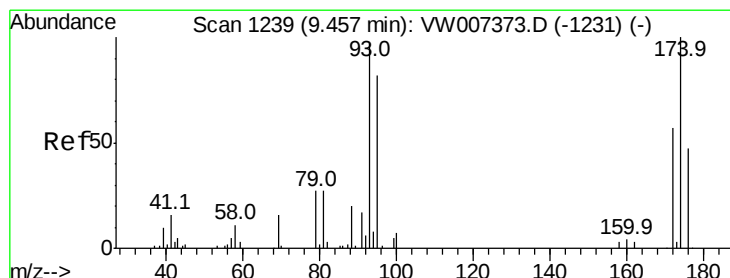
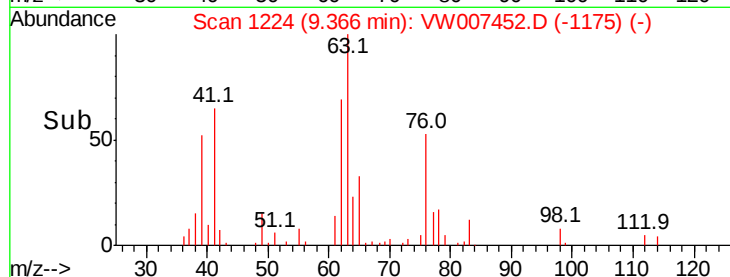
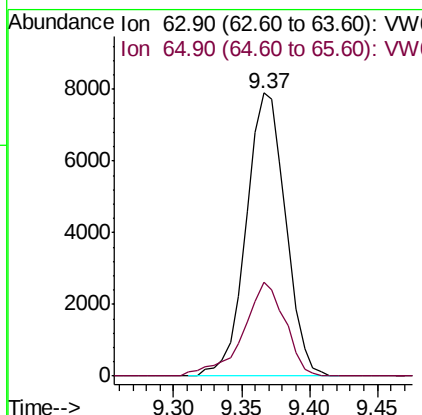
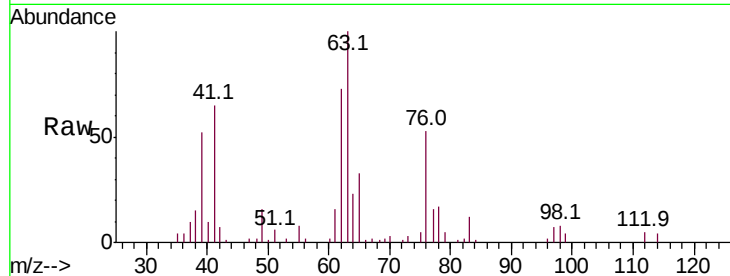




#45
 1,2-Dichloropropane
 Concen: 20.574 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

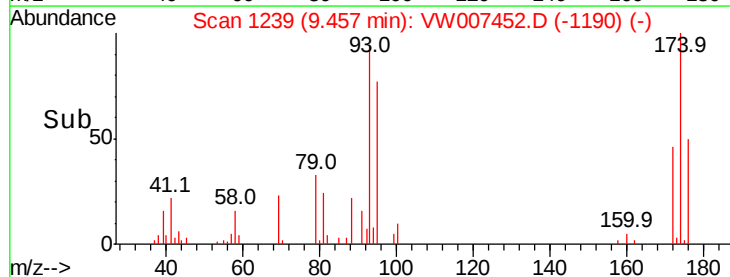
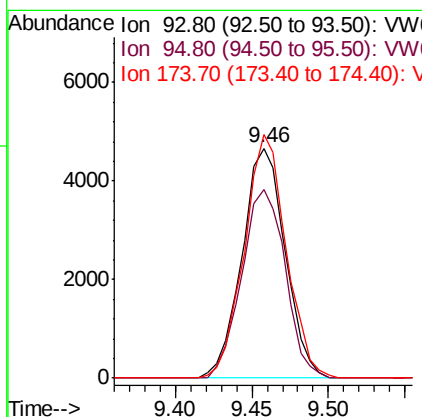
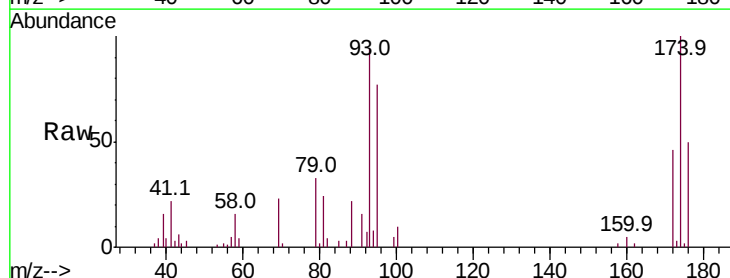
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

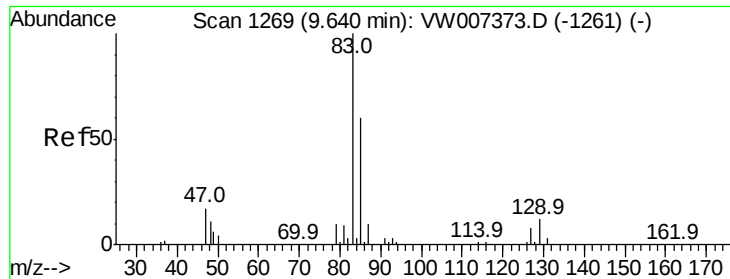
Tot Ion: 63 Resp: 16013
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.4 36.6



#46
 Dibromomethane
 Concen: 20.683 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion: 93 Resp: 9142
 Ion Ratio Lower Upper
 93 100
 95 82.8 68.0 102.0
 174 102.7 83.2 124.8

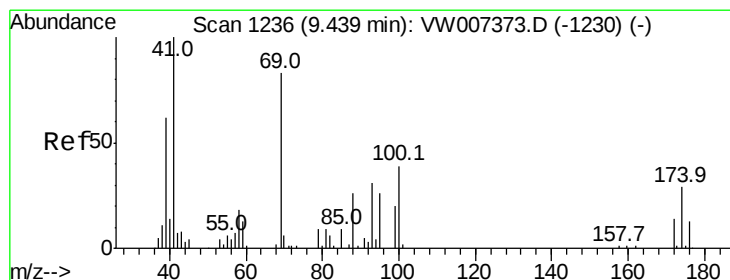
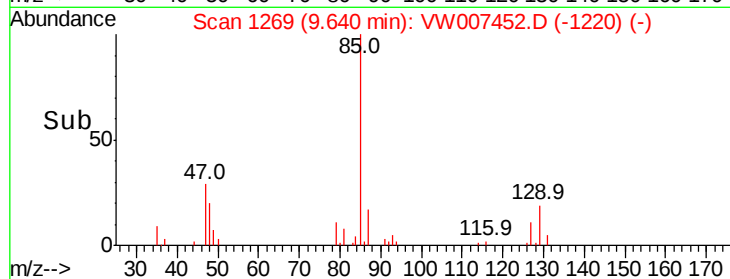
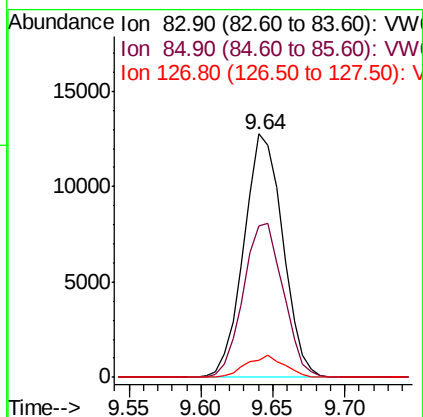
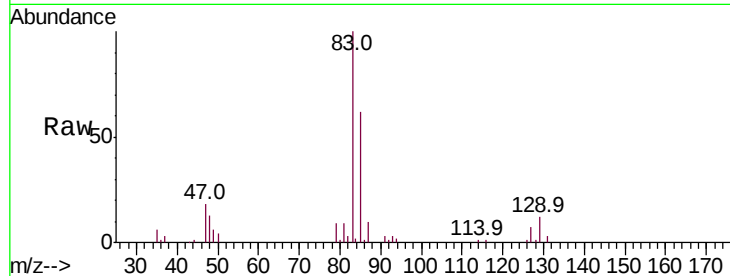




#47
Bromodichloromethane
Concen: 20.640 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

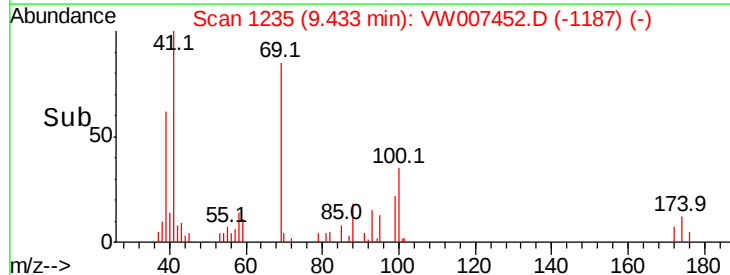
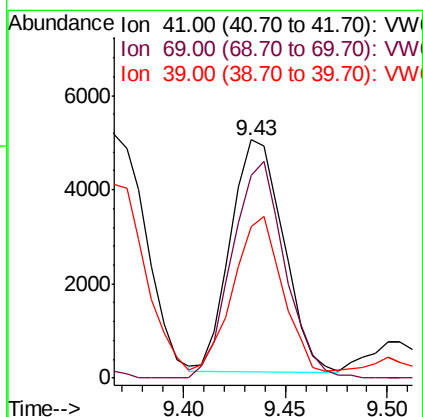
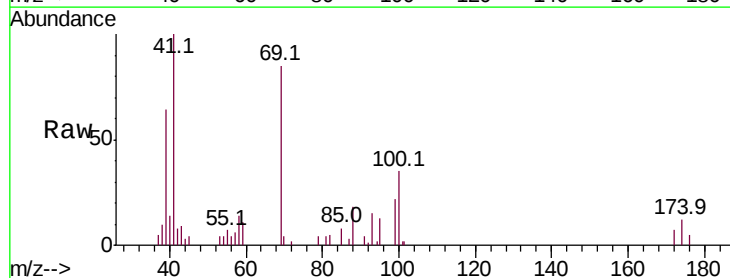
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBSD01

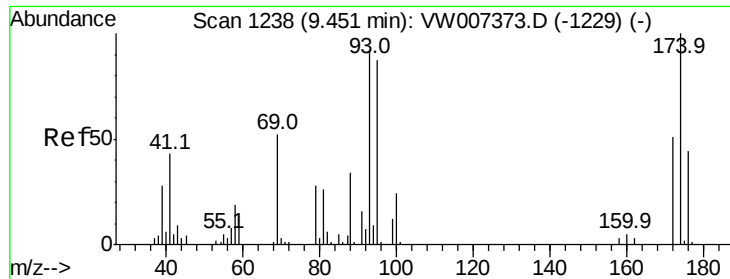
Tot Ion	83	Resp	23930
Ion Ratio	100		
Lower	47.6		
Upper	71.4		
85	62.0		
127	7.0		



#48
Methyl methacrylate
Concen: 19.412 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

Tgt Ion	41	Resp	8877
Ion Ratio	100		
Lower	69.8		
Upper	104.8		
69	93.4		
39	67.8		

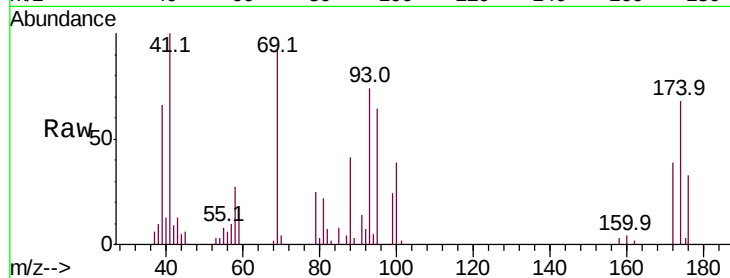




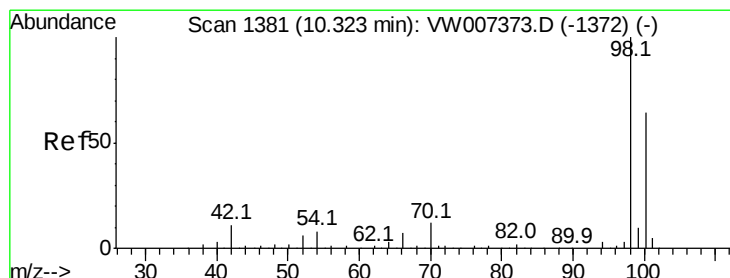
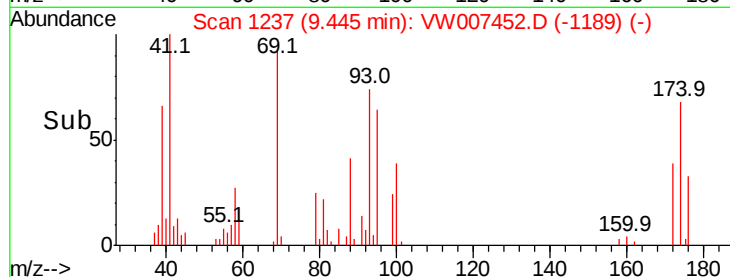
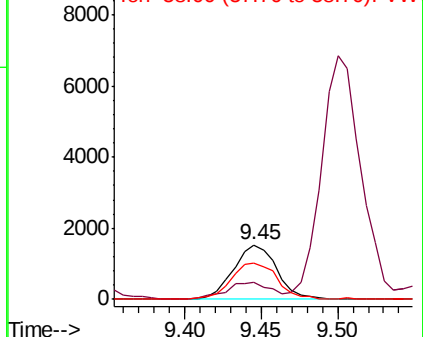
#49
 1,4-Dioxane
 Concen: 414.823 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion: 88 Resp: 2975
 Ion Ratio Lower Upper
 88 100
 43 32.7 25.0 37.4
 58 72.2 51.4 77.2

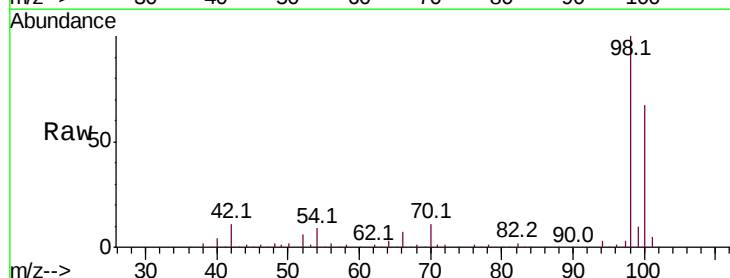


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

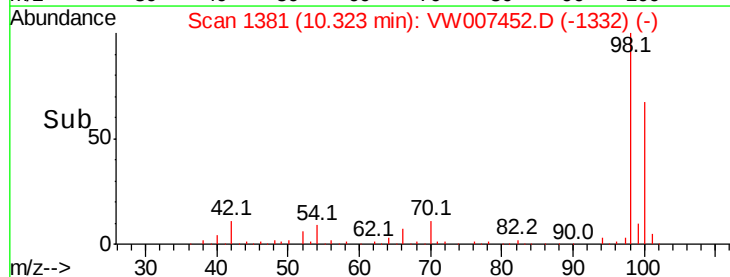
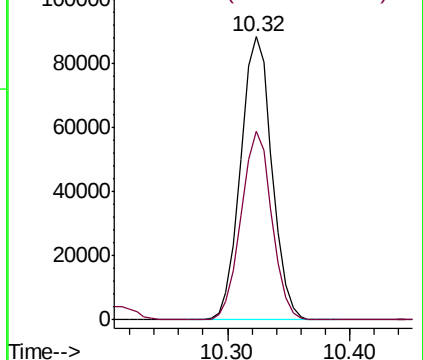


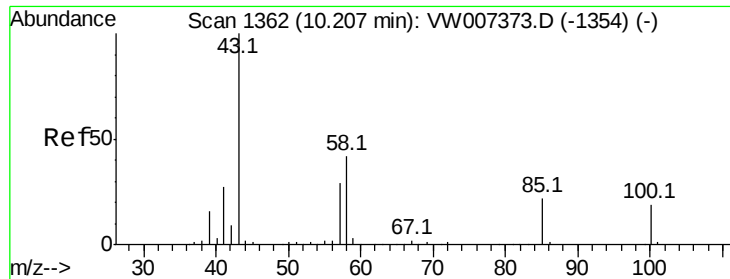
#50
 Toluene-d8
 Concen: 51.863 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion: 98 Resp: 156387
 Ion Ratio Lower Upper
 98 100
 100 65.3 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: 101.556 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

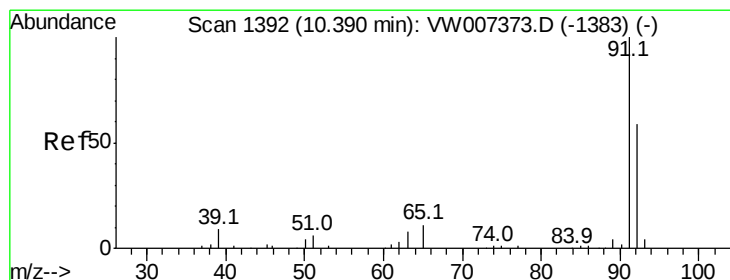
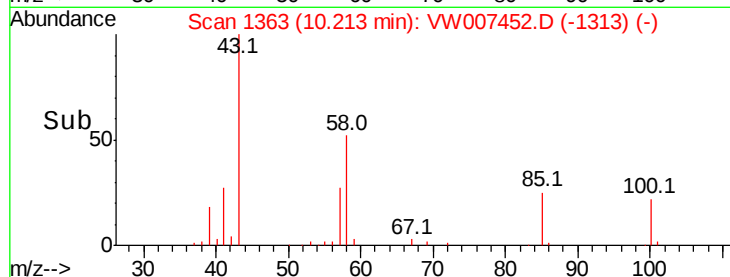
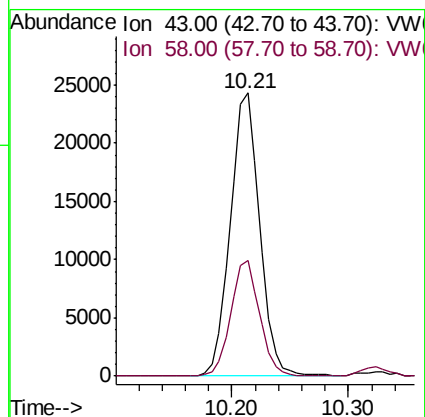
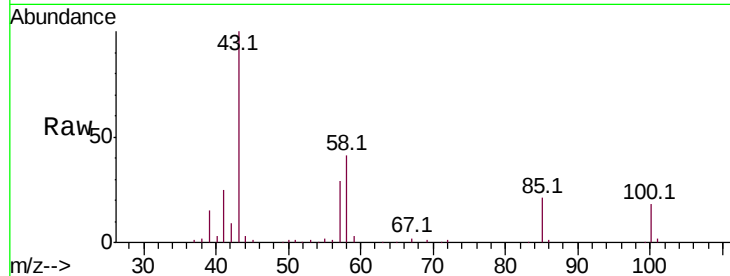
VW1215SBSD01

Tot Ion: 43 Resp: 42726

Ion Ratio Lower Upper

43 100

58 40.0 33.1 49.7



#52

Toluene

Concen: 21.607 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007452.D

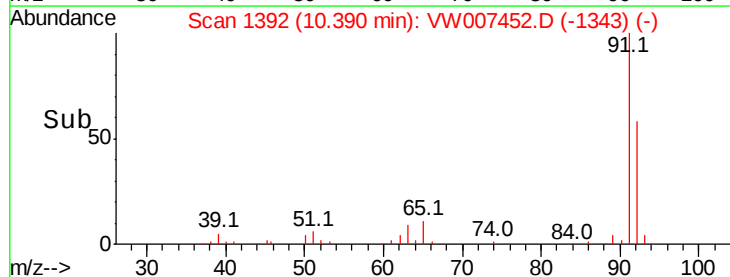
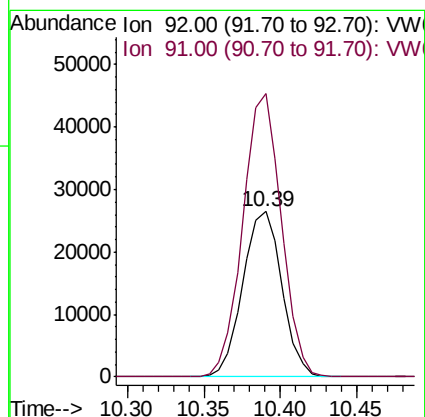
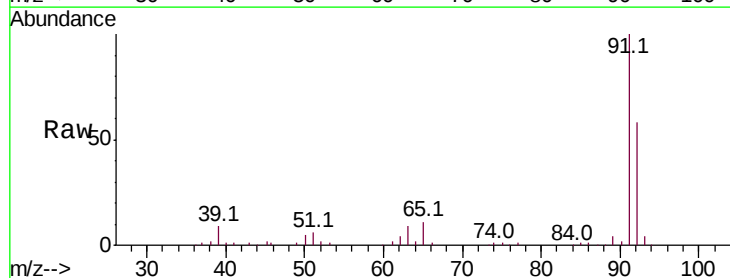
Acq: 12 Dec 2018 21:55

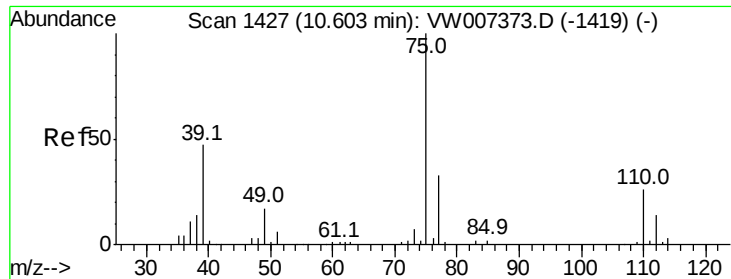
Tgt Ion: 92 Resp: 47030

Ion Ratio Lower Upper

92 100

91 168.5 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 21.173 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

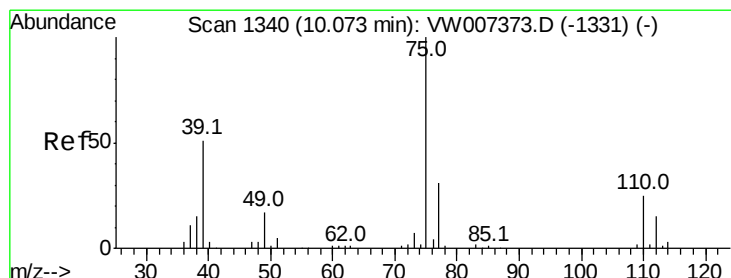
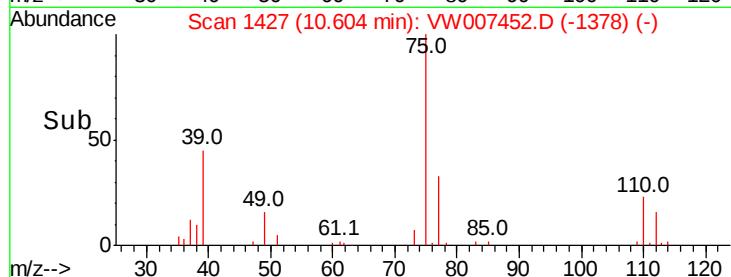
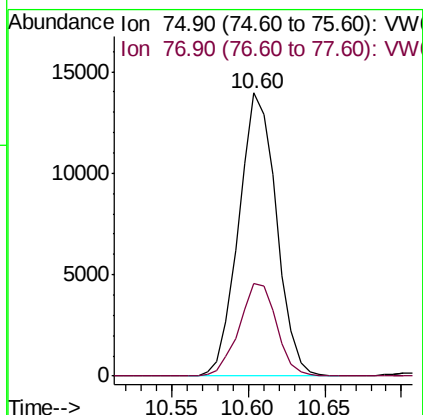
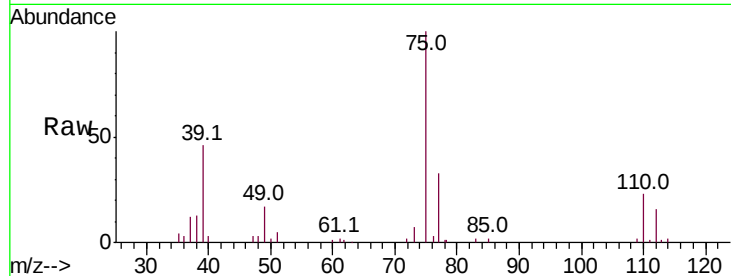
VW1215SBS01

Tot Ion: 75 Resp: 23831

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 20.507 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

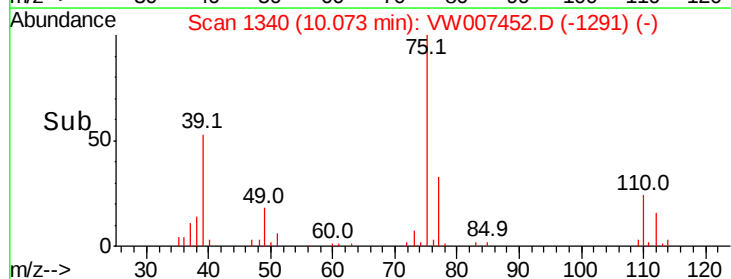
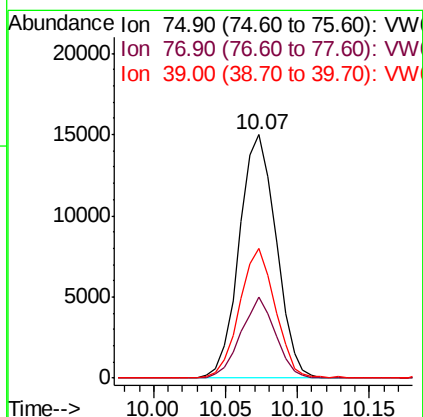
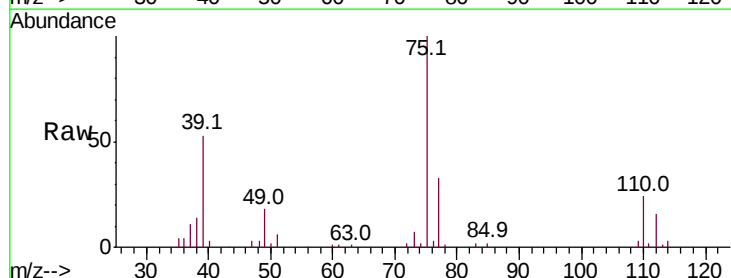
Tgt Ion: 75 Resp: 26683

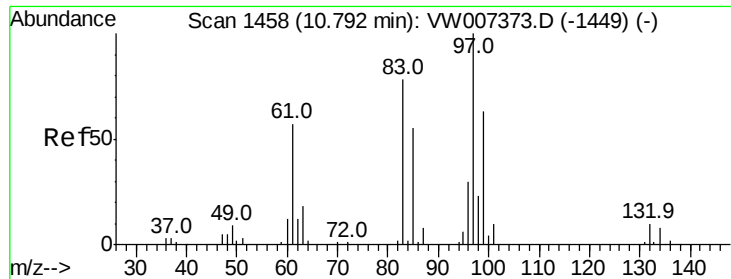
Ion Ratio Lower Upper

75 100

77 33.2 24.8 37.2

39 53.4 40.9 61.3

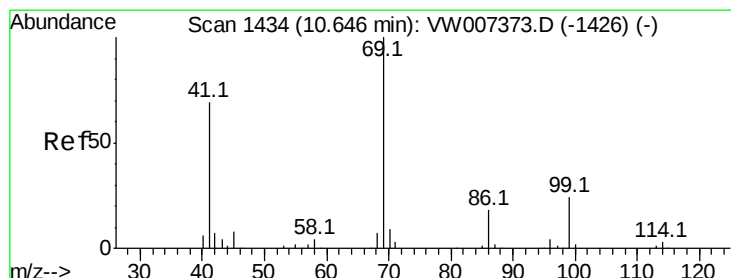
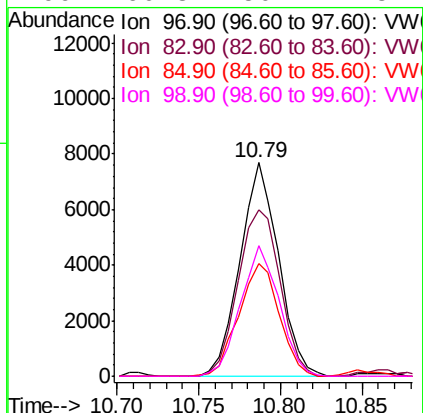
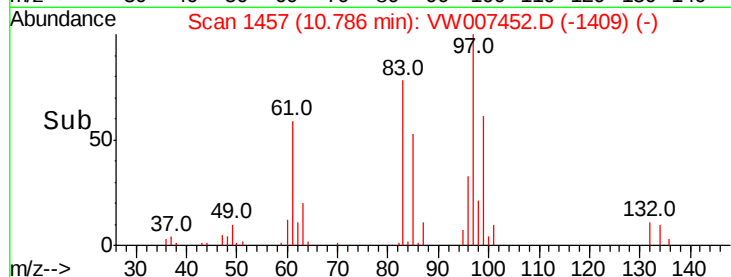
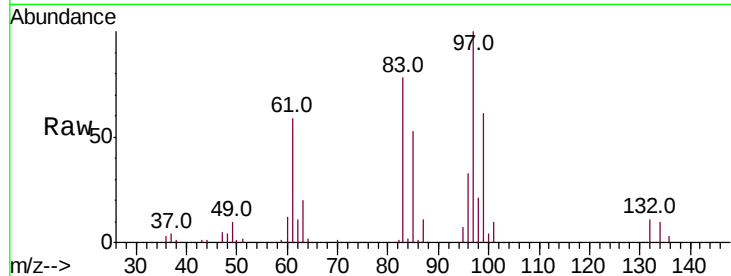




#55
 1,1,2-Trichloroethane
 Concen: 21.113 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

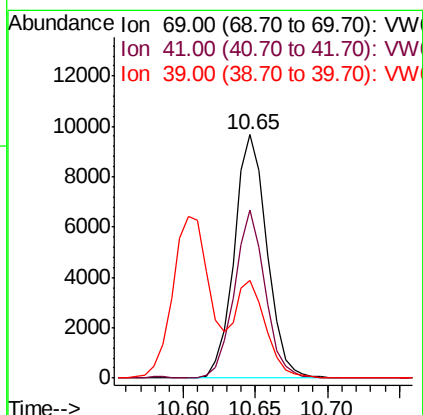
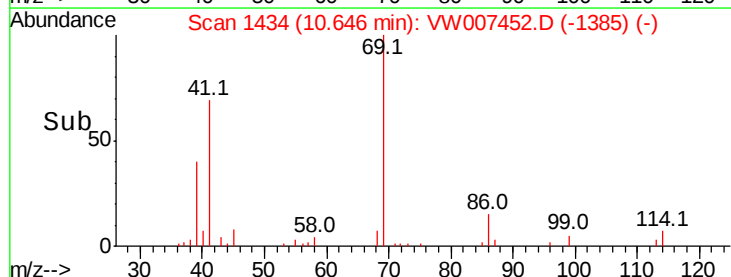
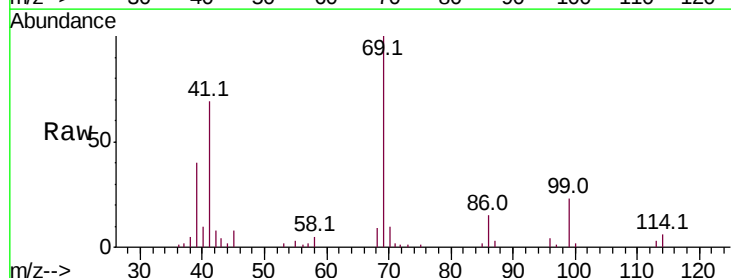
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

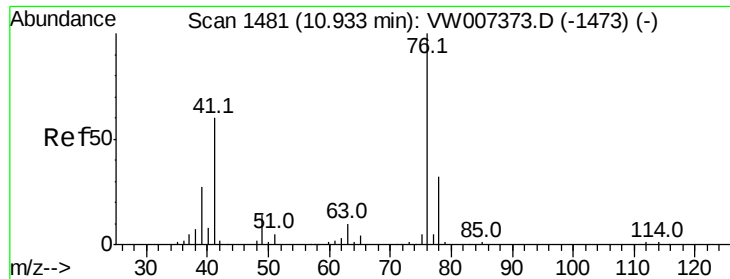
Tot Ion:	97	Resp:	12701
Ion	Ratio	Lower	Upper
97	100		
83	77.9	62.1	93.1
85	53.0	44.2	66.4
99	60.8	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 21.106 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion:	69	Resp:	15261
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.0	76.6
39	38.3	30.8	46.2

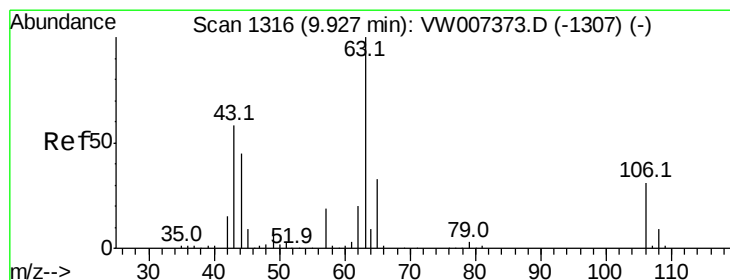
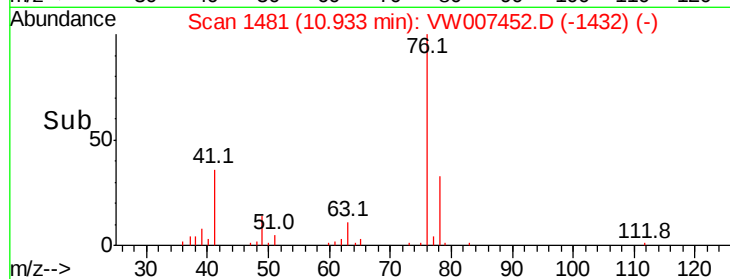
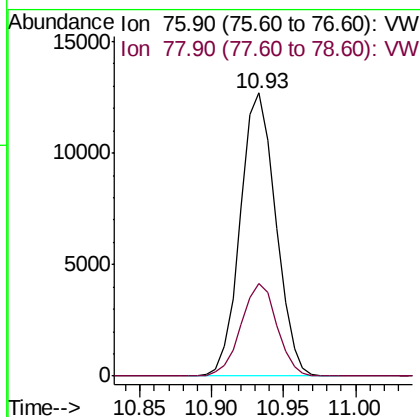
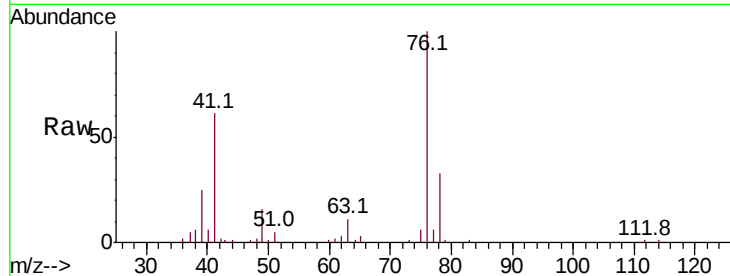




#57
 1,3-Dichloropropane
 Concen: 22.018 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

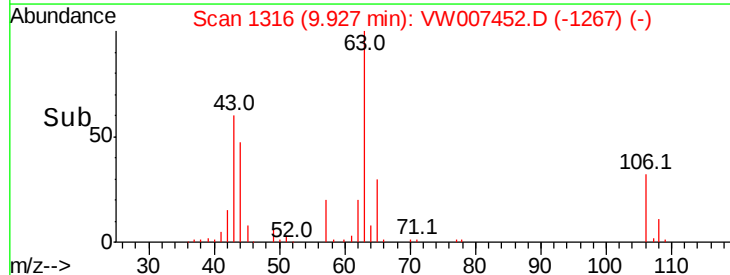
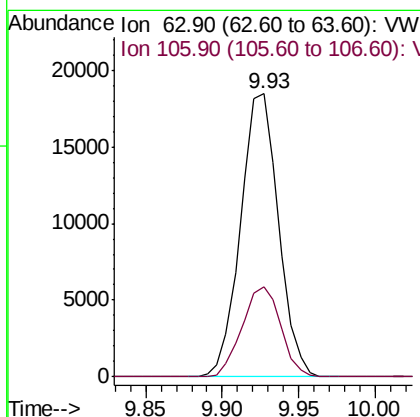
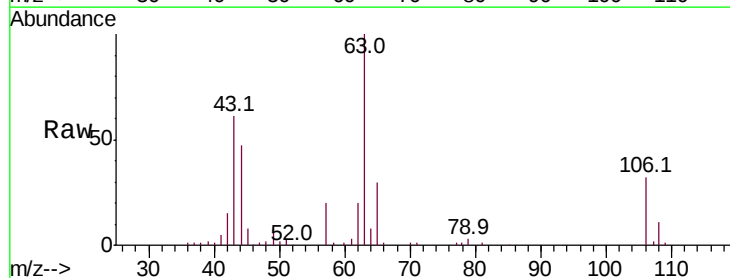
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

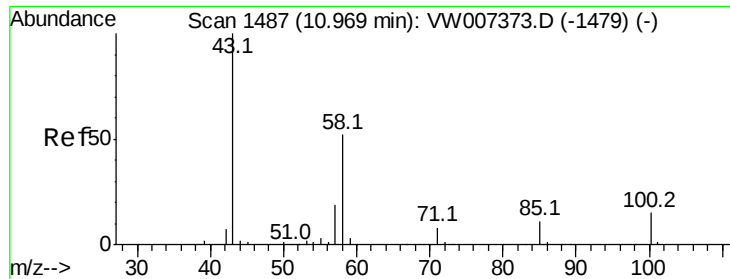
Tot Ion: 76 Resp: 21740
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.467 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion: 63 Resp: 31832
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.0 37.6





#59

2-Hexanone

Concen: 105.349 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

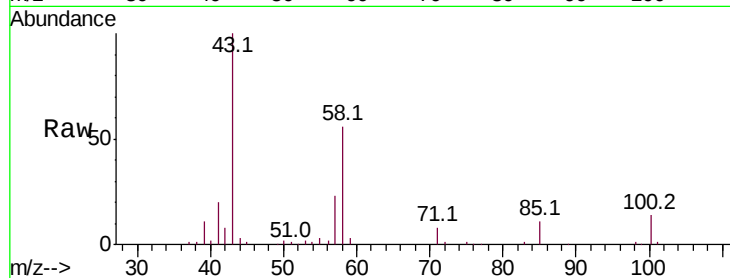
VW1215SBSD01

Tot Ion: 43 Resp: 29554

Ion Ratio Lower Upper

43 100

58 53.7 27.1 81.3

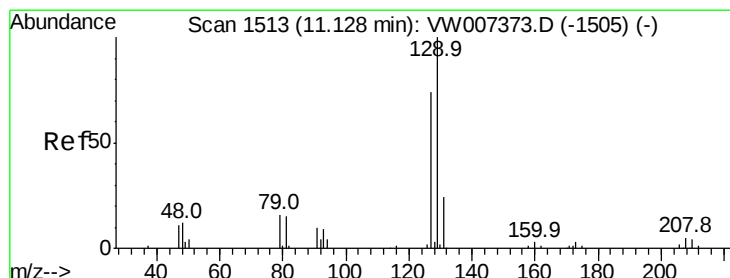
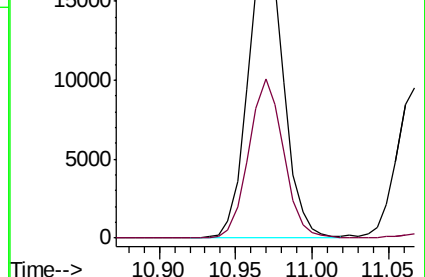
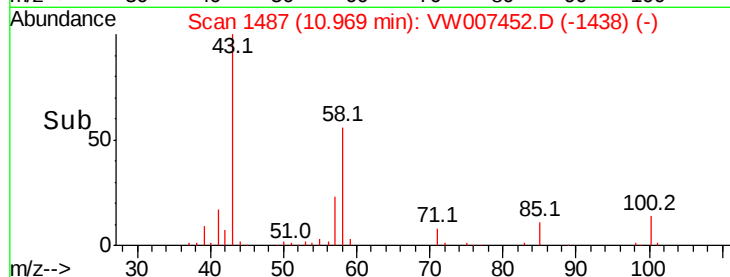


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.97

10.95 11.00 11.05



#60

Dibromochloromethane

Concen: 21.579 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007452.D

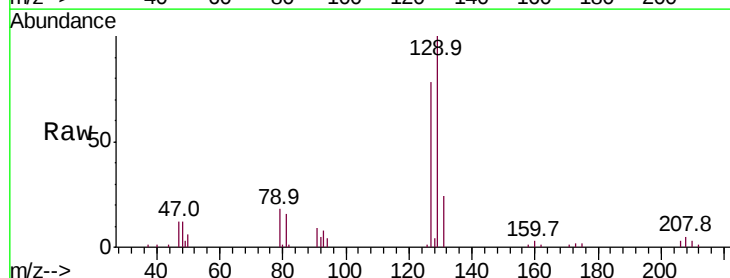
Acq: 12 Dec 2018 21:55

Tgt Ion: 129 Resp: 16382

Ion Ratio Lower Upper

129 100

127 76.6 38.1 114.3

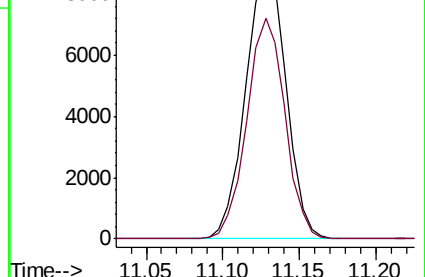
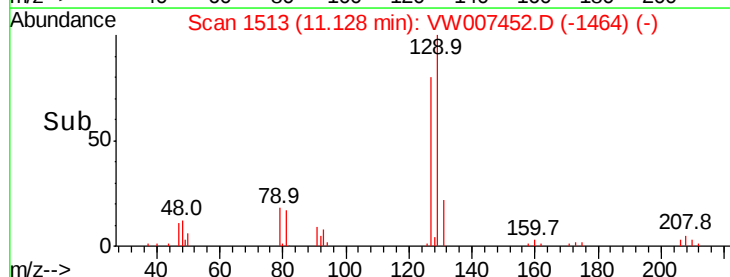


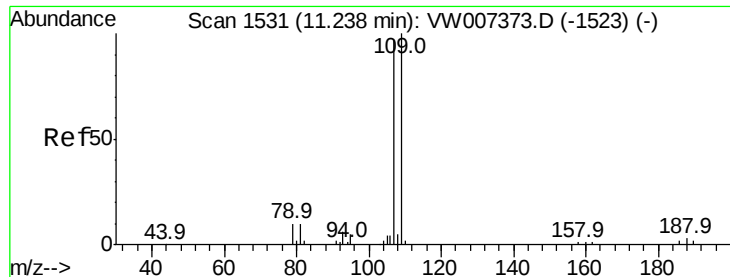
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

11.05 11.10 11.15 11.20

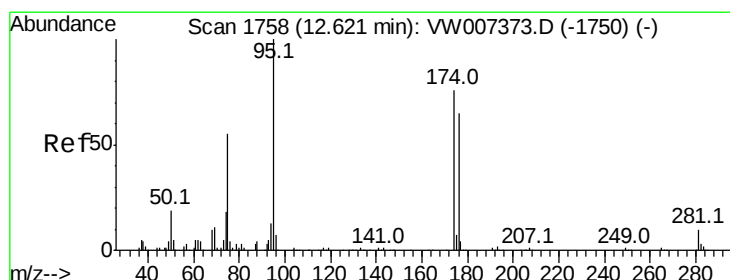
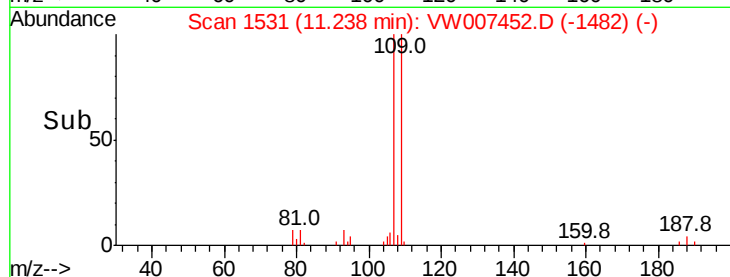
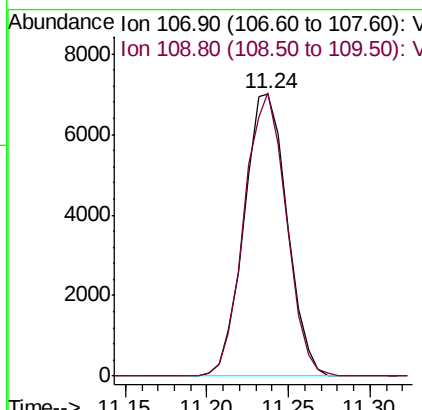
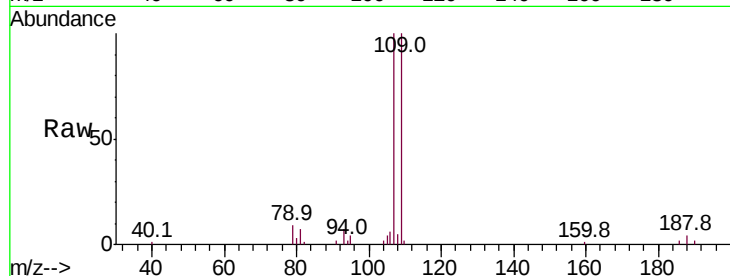




#61
 1,2-Dibromoethane
 Concen: 21.642 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

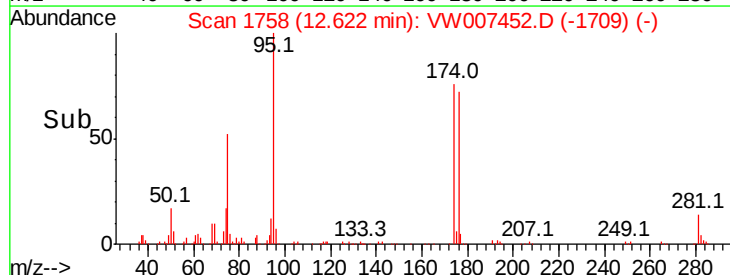
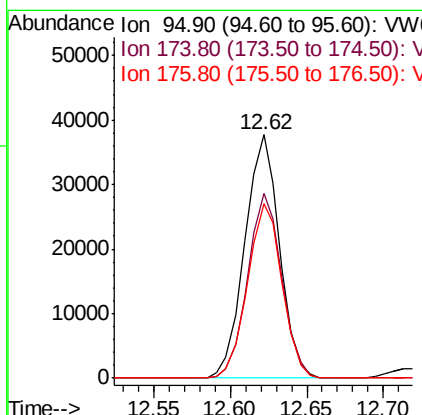
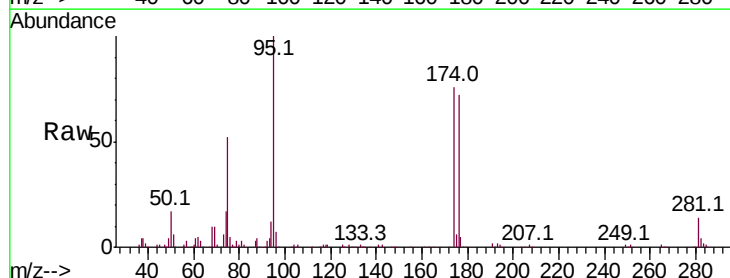
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

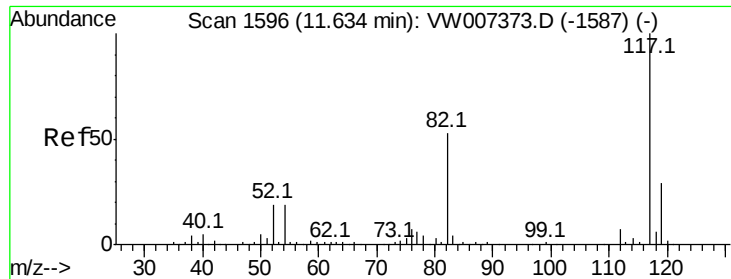
Tot Ion:107 Resp: 12866
 Ion Ratio Lower Upper
 107 100
 109 97.5 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 53.458 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion: 95 Resp: 59268
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 147.2
 176 71.5 0.0 138.8

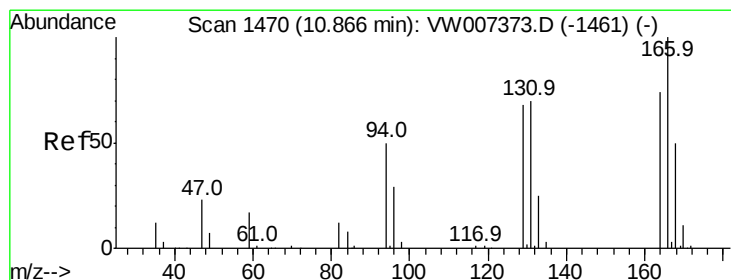
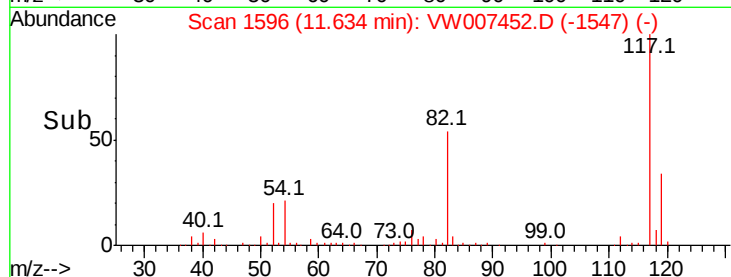
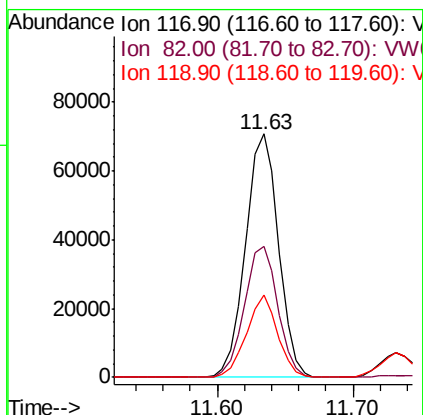
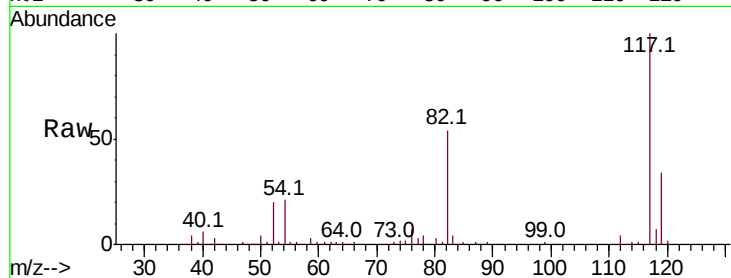




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

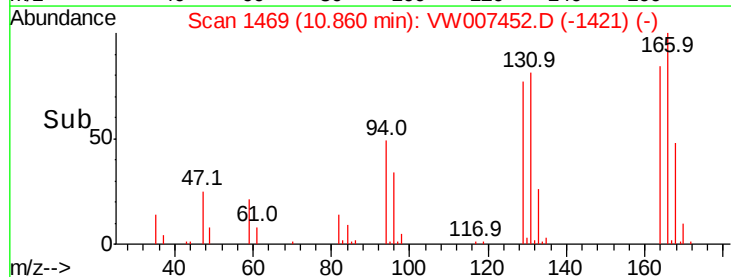
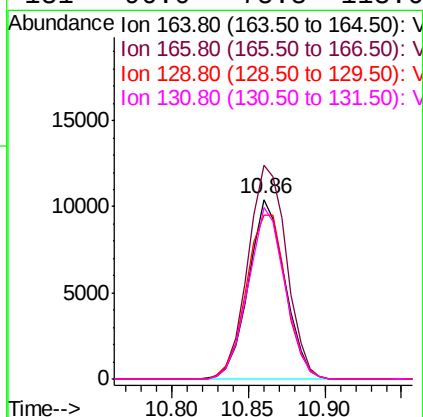
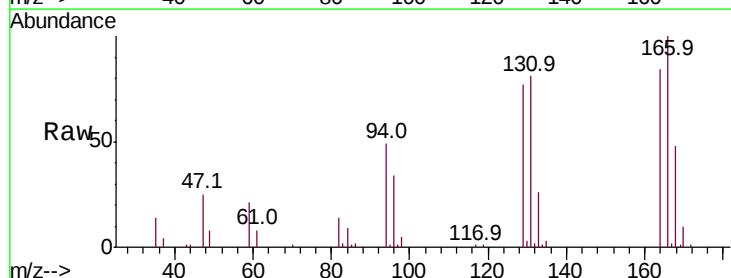
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

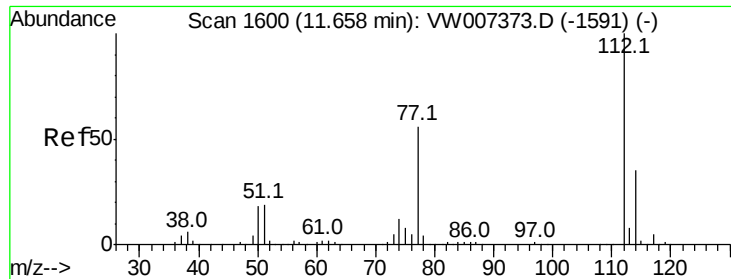
Tot Ion:117 Resp: 120236
Ion Ratio Lower Upper
117 100
82 54.0 42.3 63.5
119 33.8 23.0 34.6



#64
Tetrachloroethene
Concen: 19.944 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

Tgt Ion:164 Resp: 17245
Ion Ratio Lower Upper
164 100
166 119.2 107.9 161.9
129 91.7 73.4 110.2
131 96.0 75.8 113.6

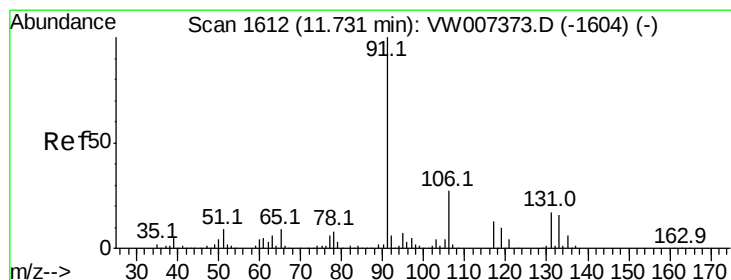
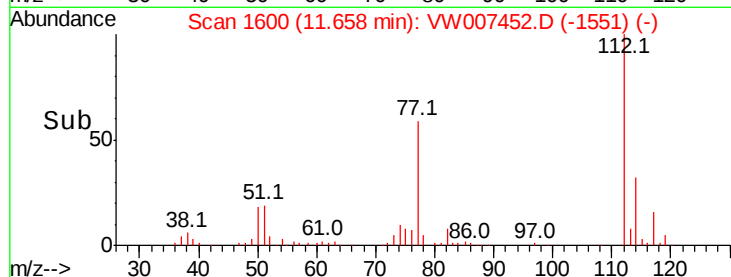
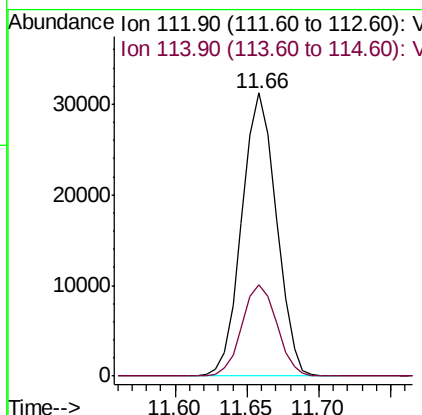
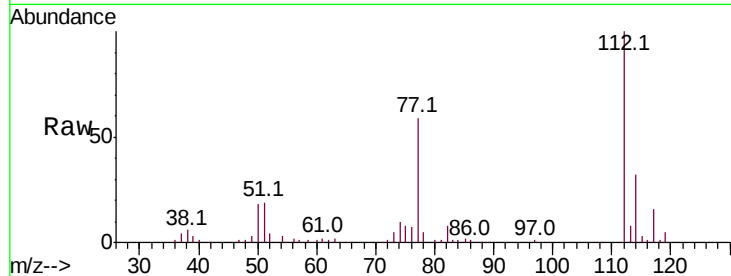




#65
Chlorobenzene
Concen: 20.754 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

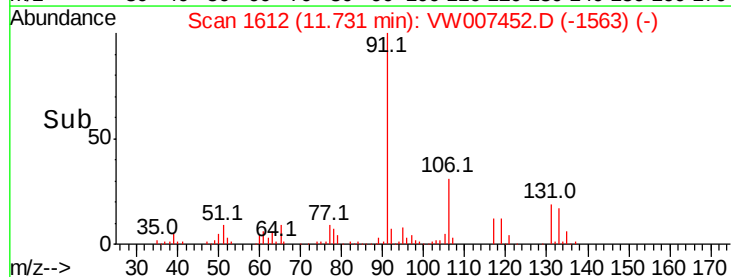
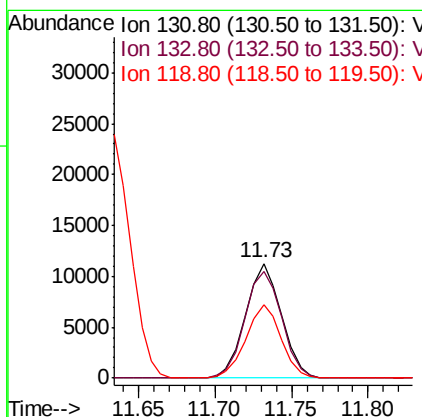
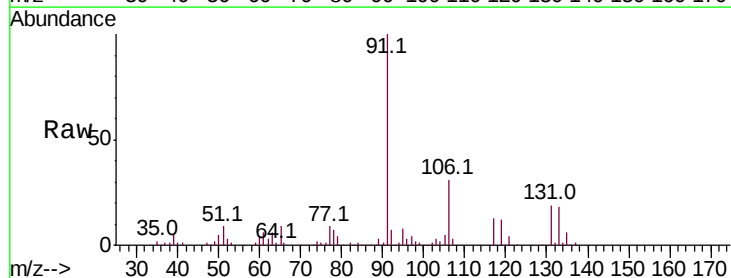
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

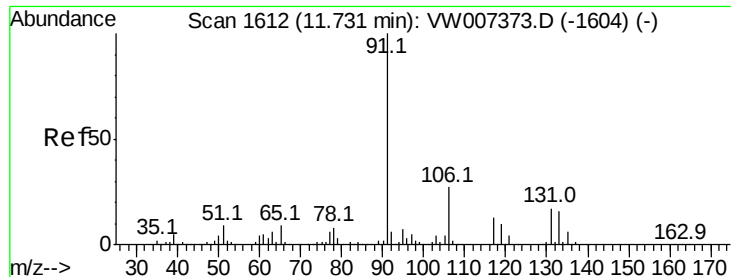
Tot Ion:112 Resp: 52012
Ion Ratio Lower Upper
112 100
114 32.5 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.799 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

Tgt Ion:131 Resp: 18358
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.4
119 62.8 31.3 93.9

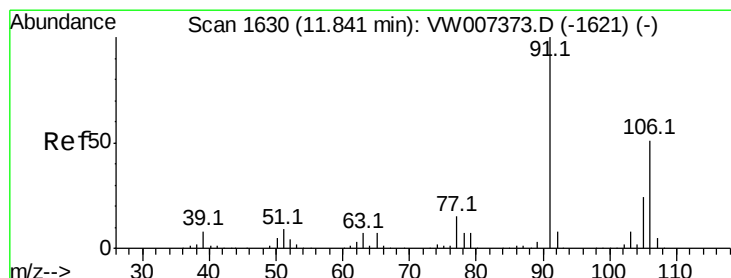
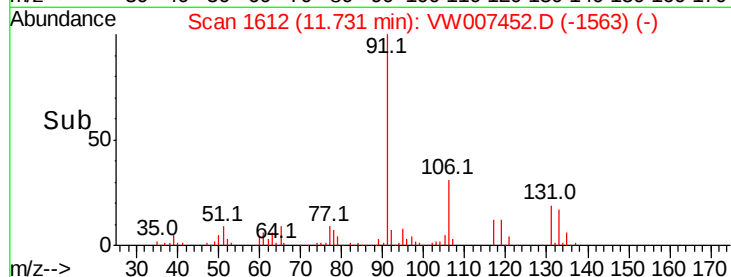
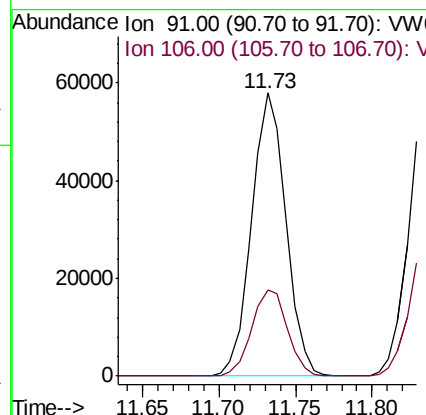
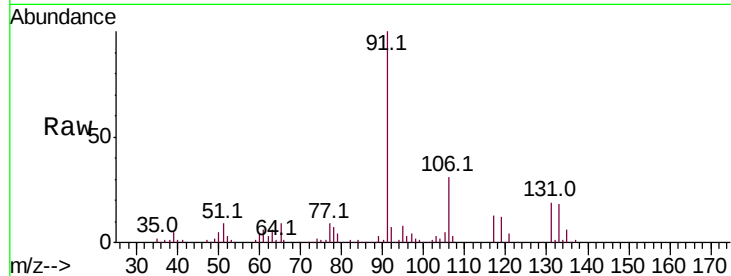




#67
Ethyl Benzene
Concen: 20.992 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

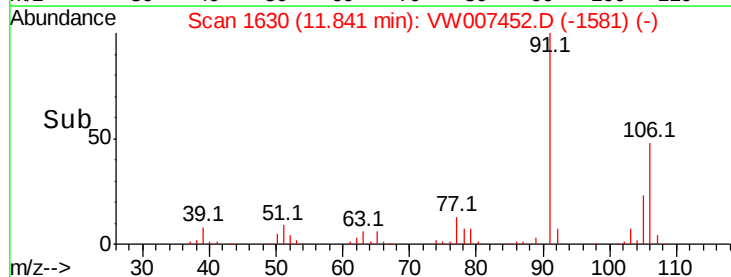
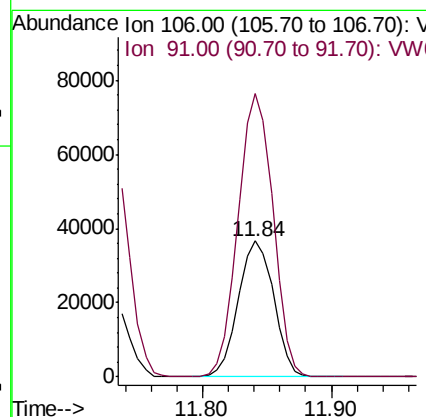
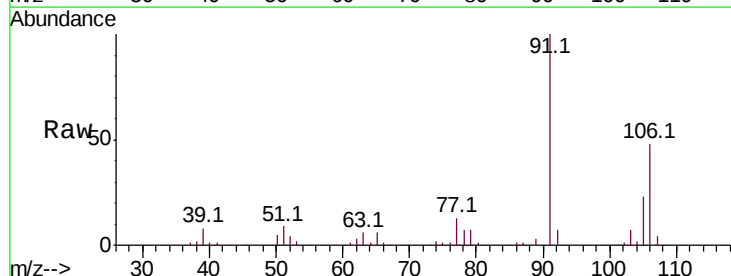
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBSD01

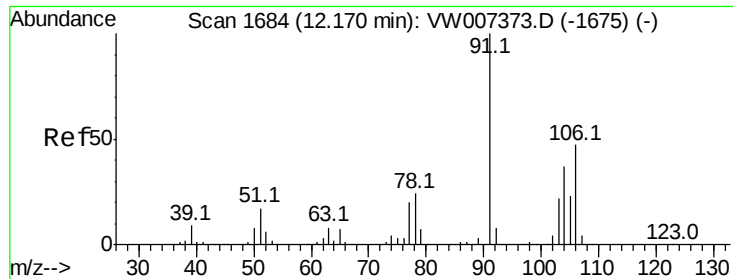
Tot Ion: 91 Resp: 90448
Ion Ratio Lower Upper
91 100
106 30.5 21.8 32.8



#68
m/p-Xylenes
Concen: 41.808 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

Tgt Ion:106 Resp: 70030
Ion Ratio Lower Upper
106 100
91 205.5 165.3 247.9

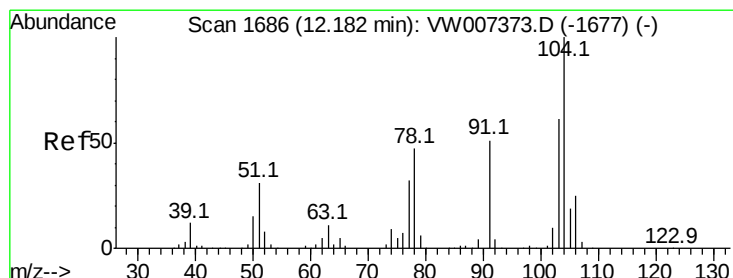
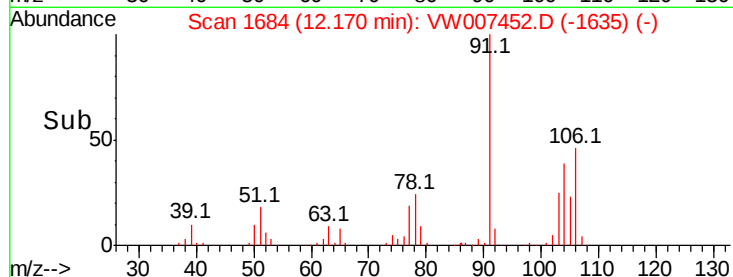
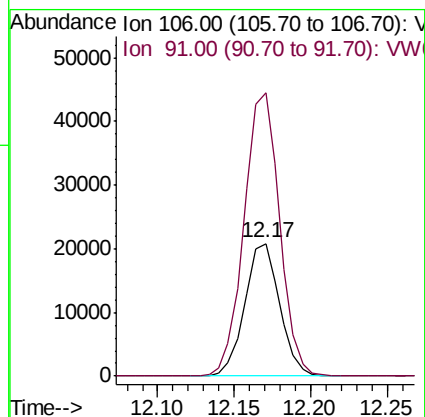
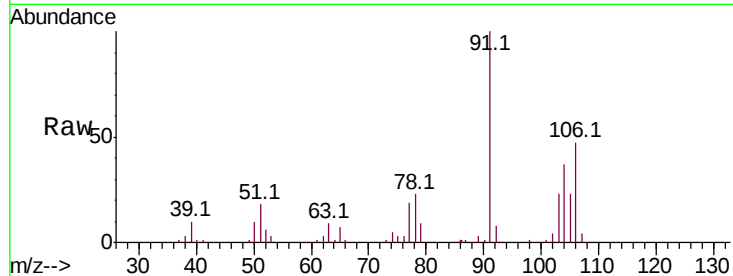




#69
o-Xylene
Concen: 21.095 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

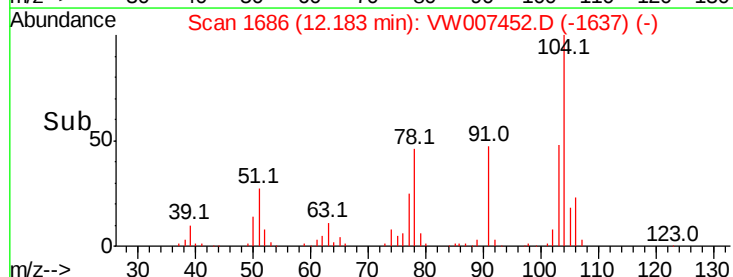
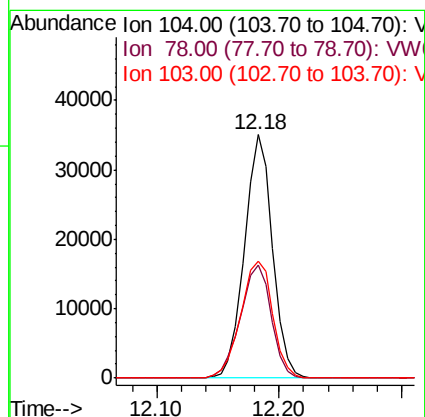
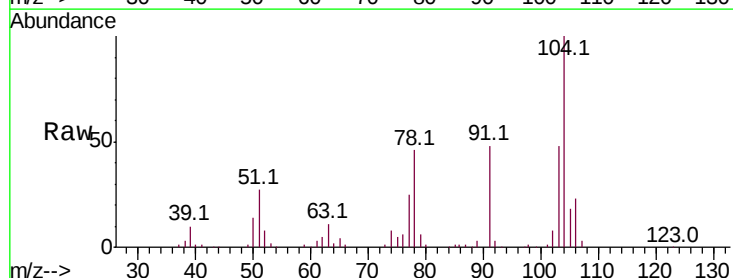
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBSD01

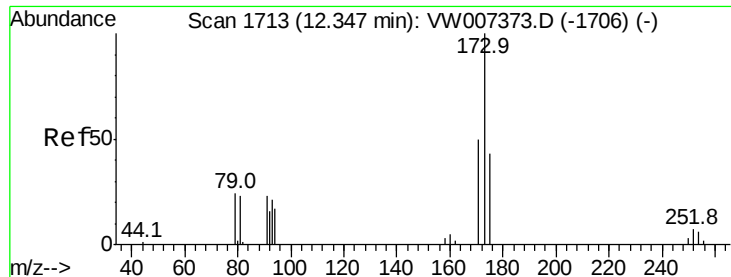
Tot Ion:106 Resp: 33001
Ion Ratio Lower Upper
106 100
91 217.7 106.6 319.8



#70
Styrene
Concen: 22.019 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

Tgt Ion:104 Resp: 55637
Ion Ratio Lower Upper
104 100
78 51.4 41.8 62.8
103 55.1 46.6 69.8

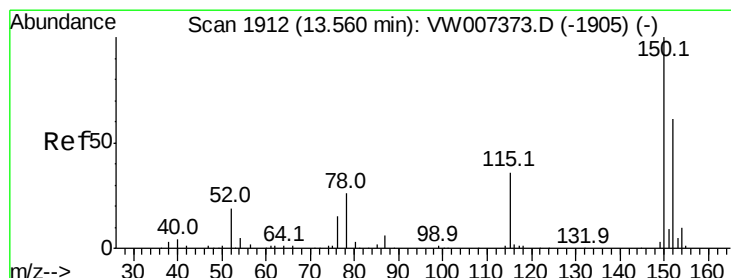
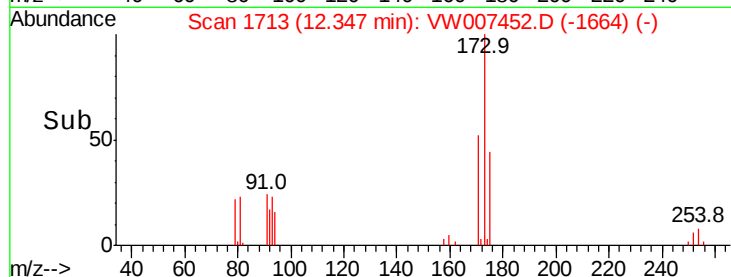
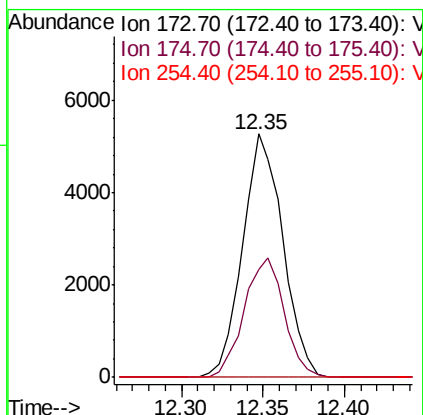
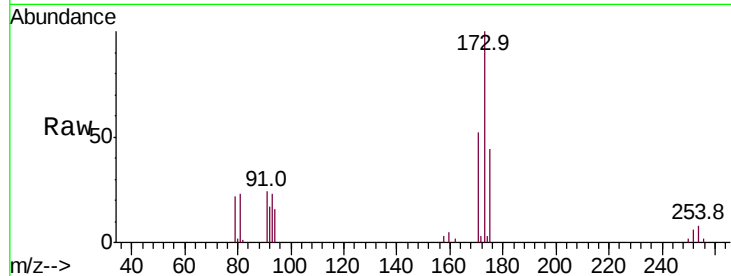




#71
Bromoform
Concen: 20.014 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

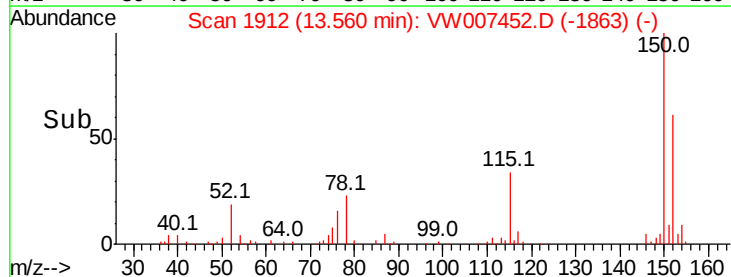
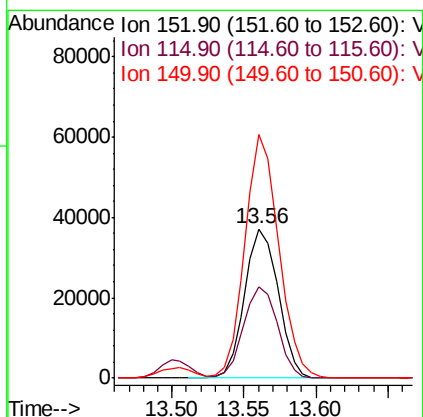
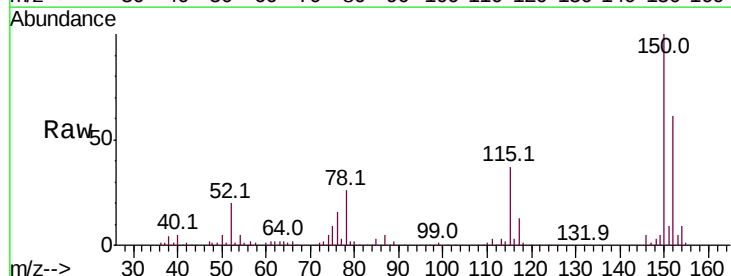
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBSD01

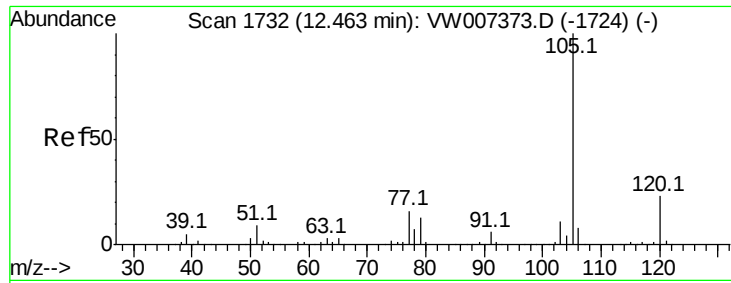
Tot Ion:173 Resp: 9042
Ion Ratio Lower Upper
173 100
175 48.7 23.6 70.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

Tgt Ion:152 Resp: 59906
Ion Ratio Lower Upper
152 100
115 61.8 31.4 94.2
150 164.5 0.0 358.4





#73

Isopropylbenzene

Concen: 20.265 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

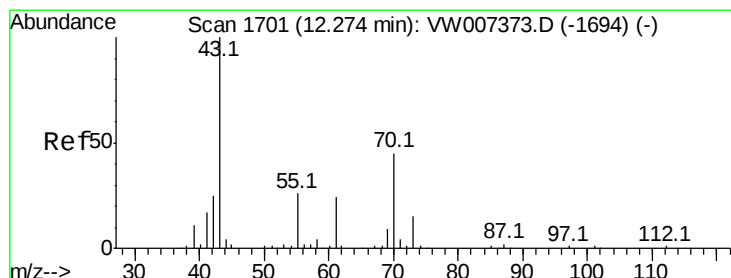
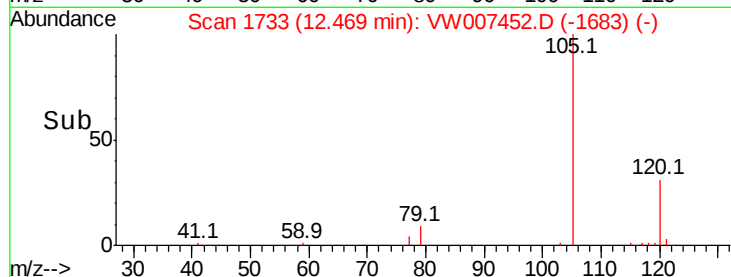
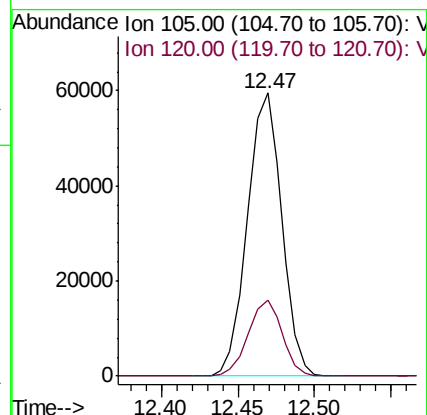
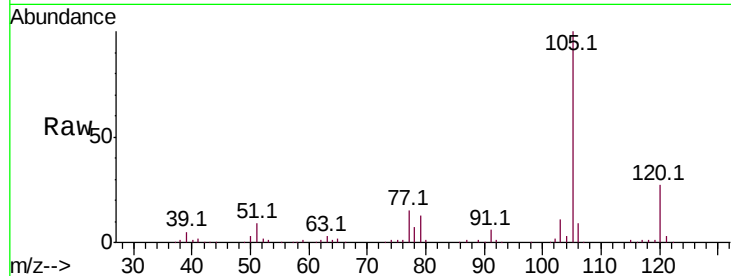
VW1215SBSD01

Tot Ion:105 Resp: 93020

Ion Ratio Lower Upper

105 100

120 26.5 12.8 38.4



#74

N-ethyl acetate

Concen: 19.600 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Tgt Ion: 43 Resp: 16351

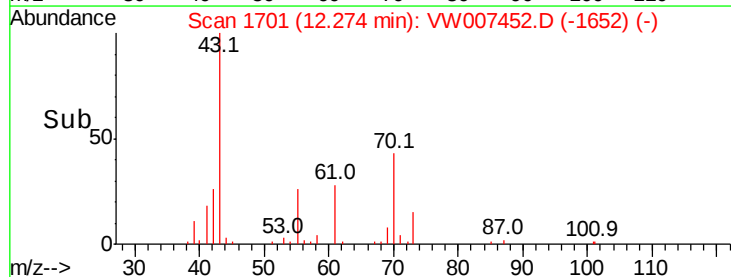
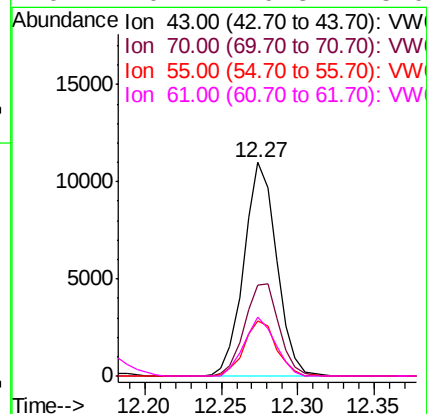
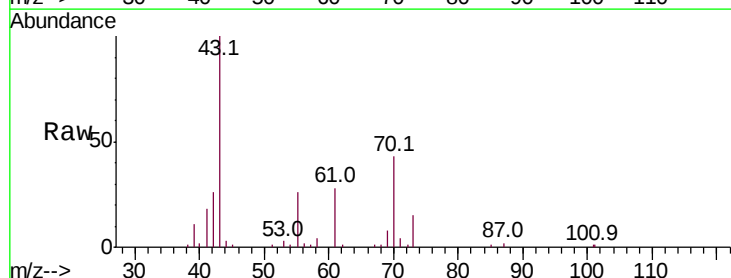
Ion Ratio Lower Upper

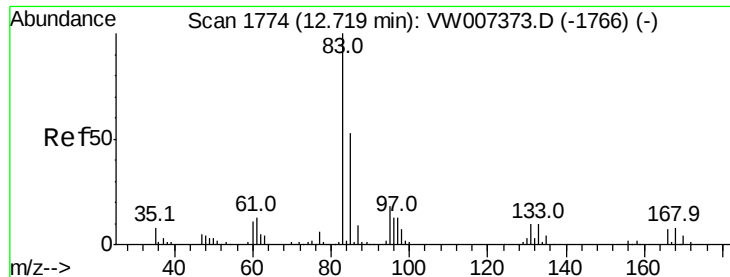
43 100

70 45.2 36.5 54.7

55 25.4 20.1 30.1

61 26.4 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.904 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

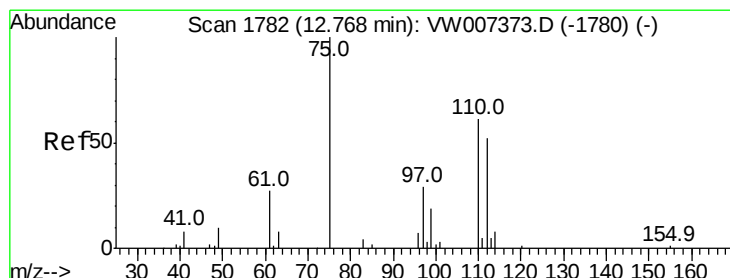
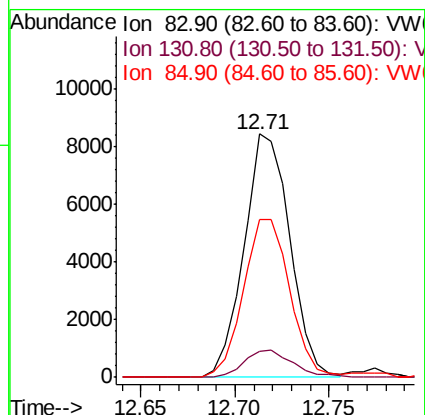
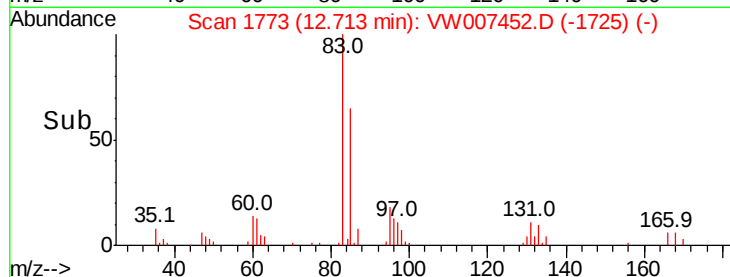
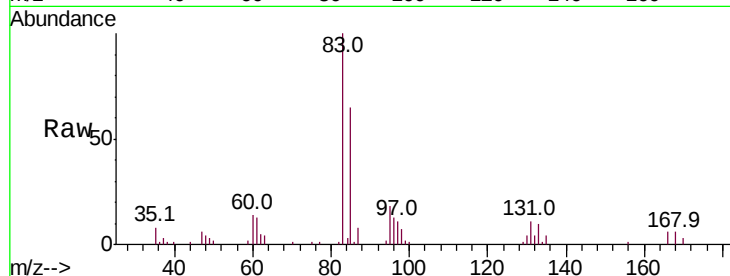
Tot Ion: 83 Resp: 14212

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.8

85 65.6 30.0 90.0



#76

1,2,3-Trichloropropane

Concen: 40.183 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW007452.D

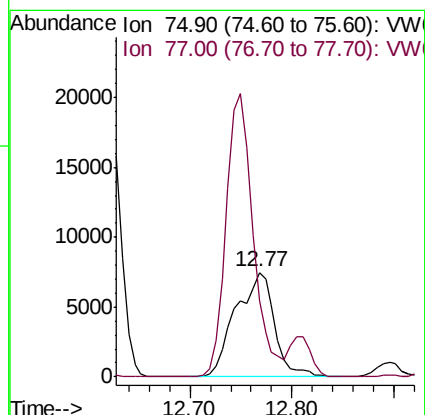
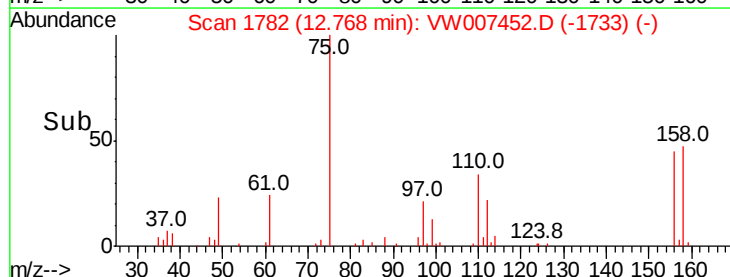
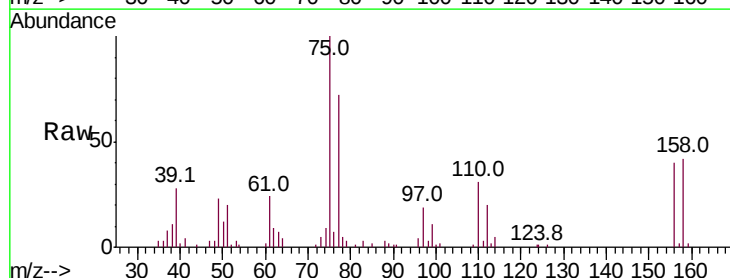
Acq: 12 Dec 2018 21:55

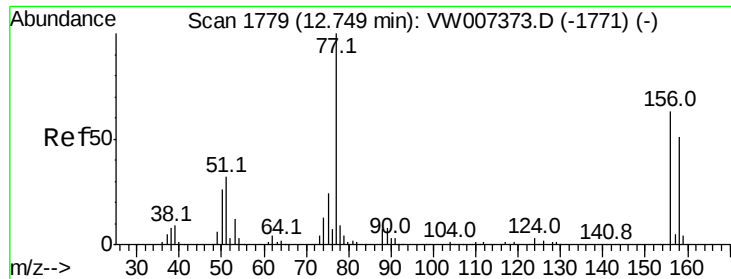
Tgt Ion: 75 Resp: 19848

Ion Ratio Lower Upper

75 100

77 189.7 166.9 500.8





#77

Bromobenzene

Concen: 20.641 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

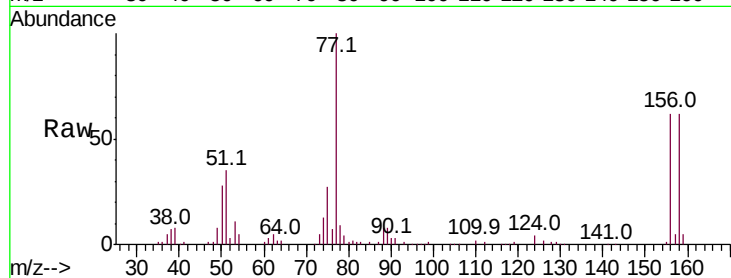
Tot Ion:156 Resp: 21002

Ion Ratio Lower Upper

156 100

77 179.3 88.1 264.4

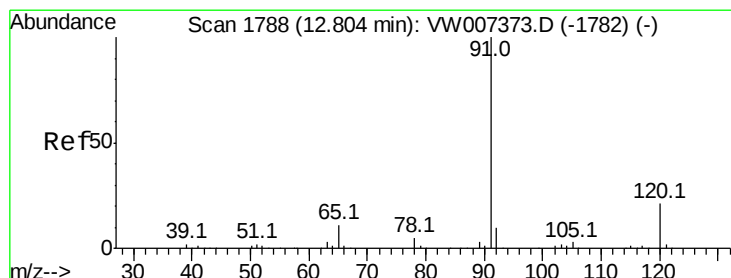
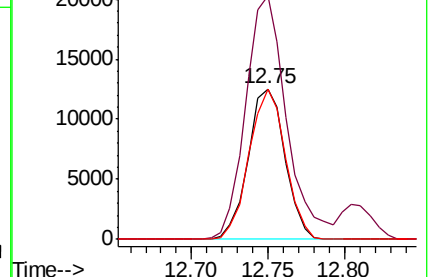
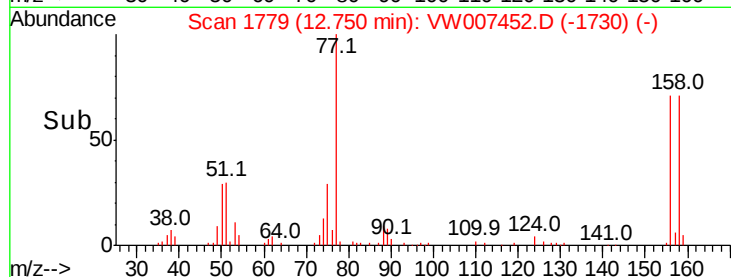
158 98.0 45.6 136.7



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: 20.910 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007452.D

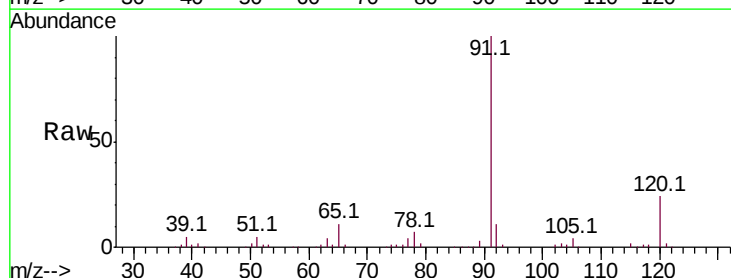
Acq: 12 Dec 2018 21:55

Tgt Ion: 91 Resp: 108021

Ion Ratio Lower Upper

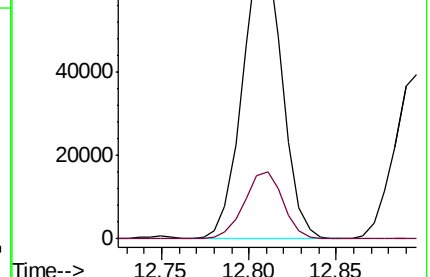
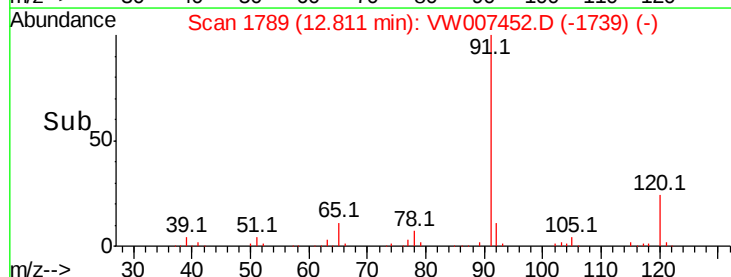
91 100

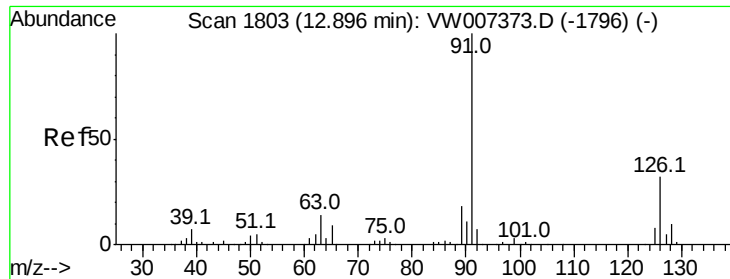
120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

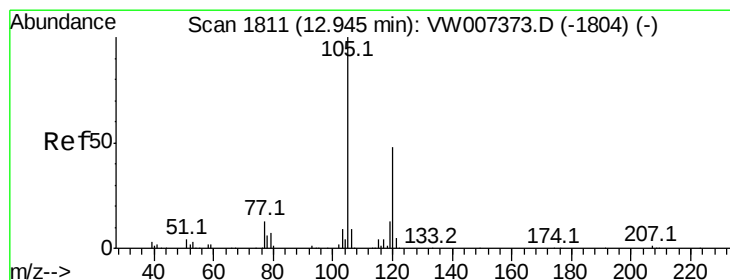
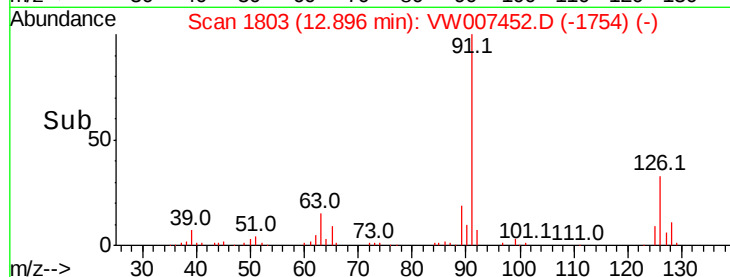
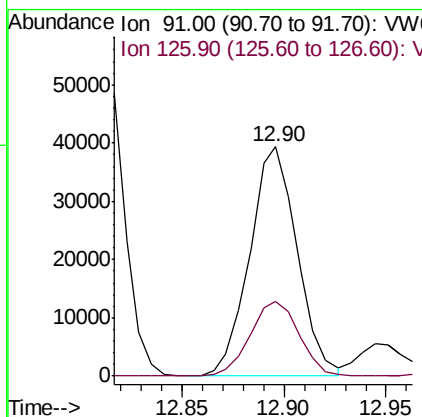
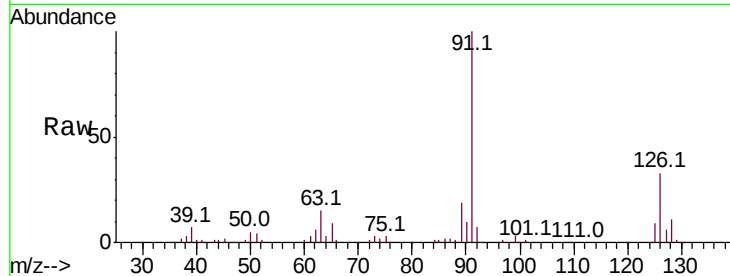




#79
 2-Chlorotoluene
 Concen: 20.377 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

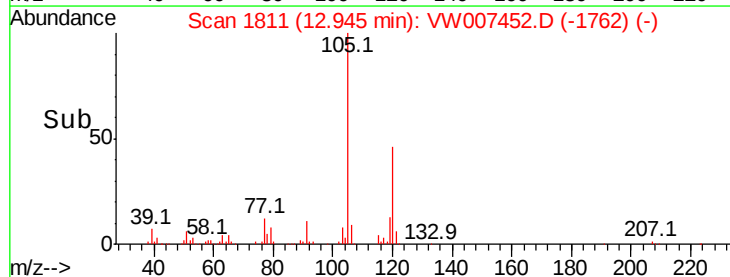
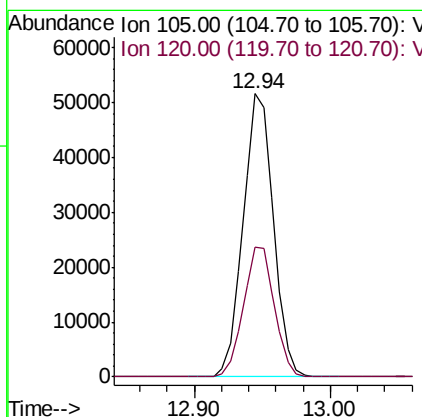
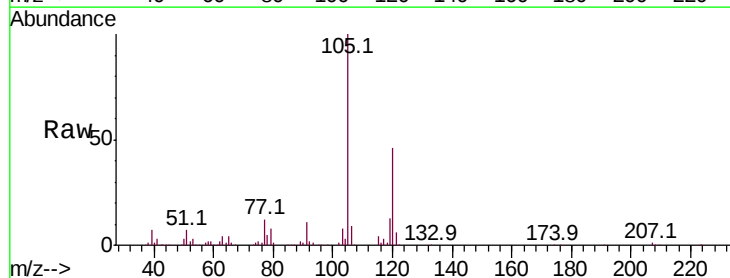
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

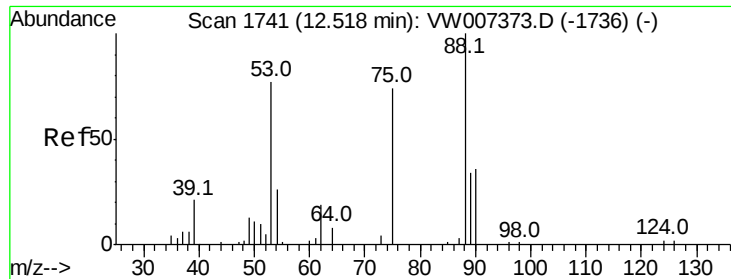
Tot Ion: 91 Resp: 63693
 Ion Ratio Lower Upper
 91 100
 126 33.8 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.805 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion: 105 Resp: 80243
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.772 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

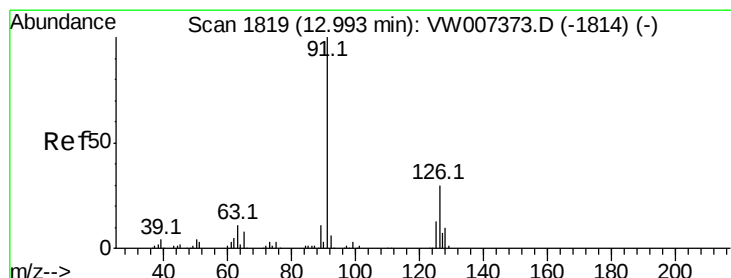
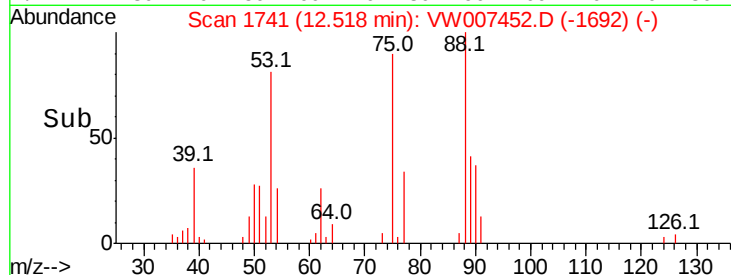
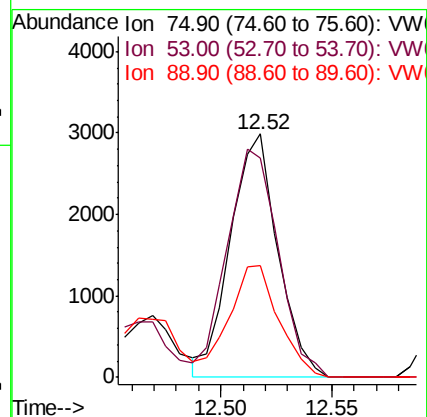
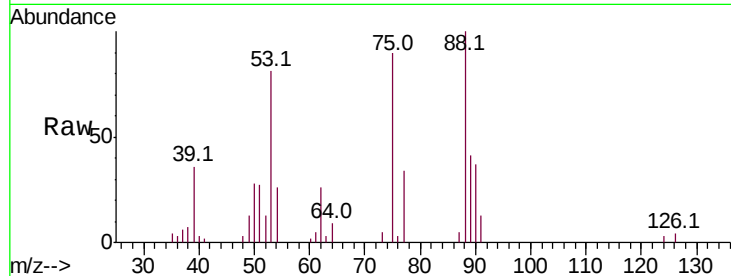
Tot Ion: 75 Resp: 4421

Ion Ratio Lower Upper

75 100

53 101.4 84.9 127.3

89 48.8 40.3 60.5



#82

4-Chlorotoluene

Concen: 20.275 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007452.D

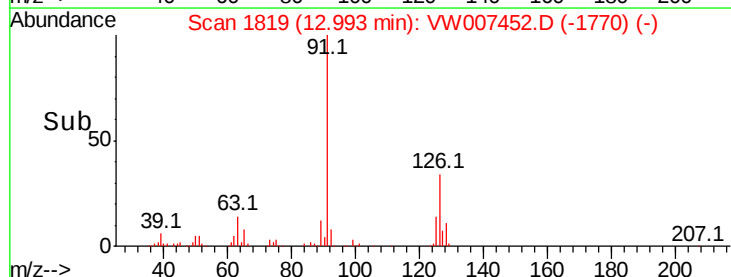
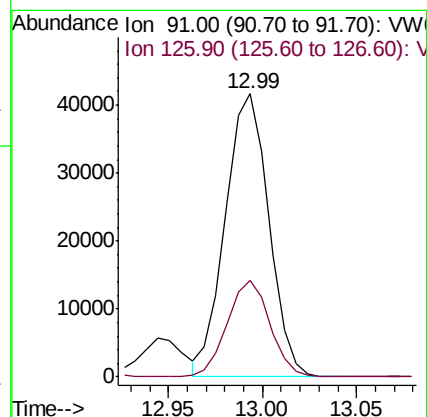
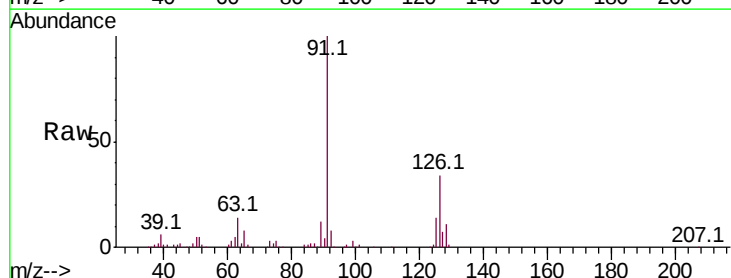
Acq: 12 Dec 2018 21:55

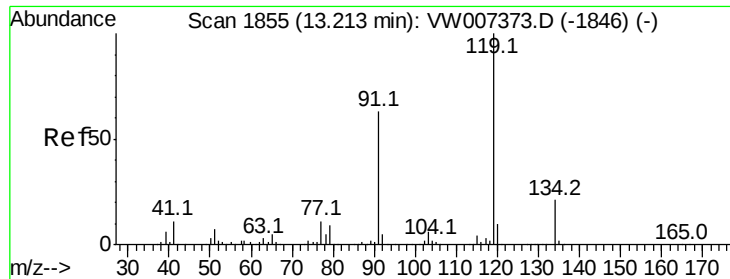
Tgt Ion: 91 Resp: 66803

Ion Ratio Lower Upper

91 100

126 33.3 16.0 48.0

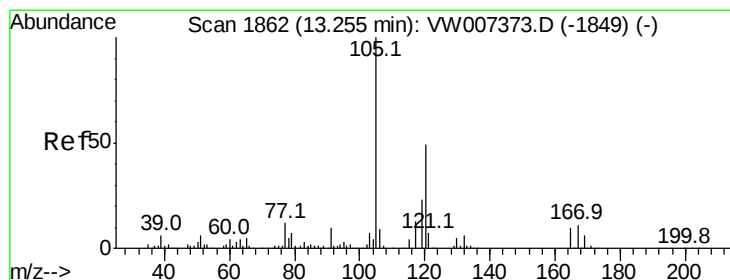
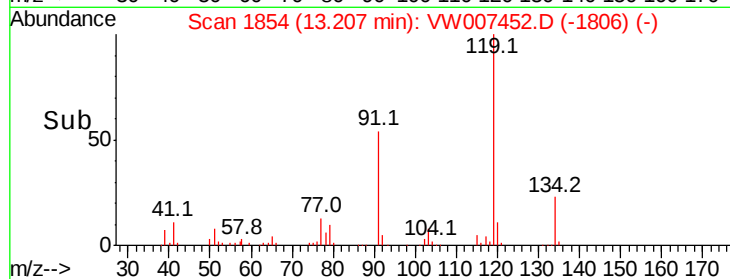
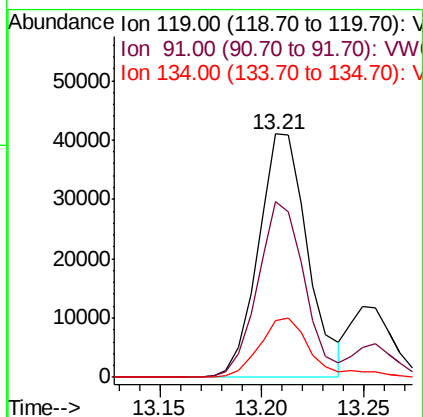
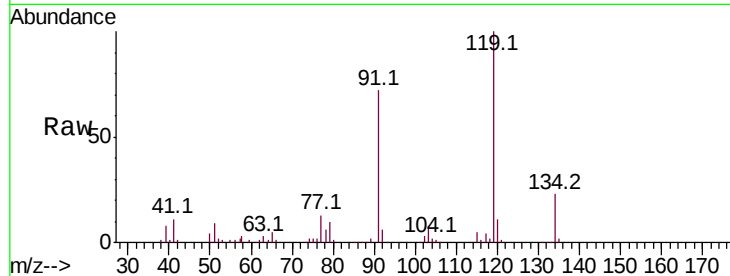




#83
tert-Butylbenzene
Concen: 20.337 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

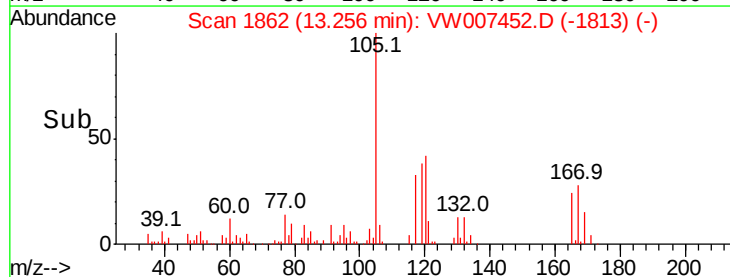
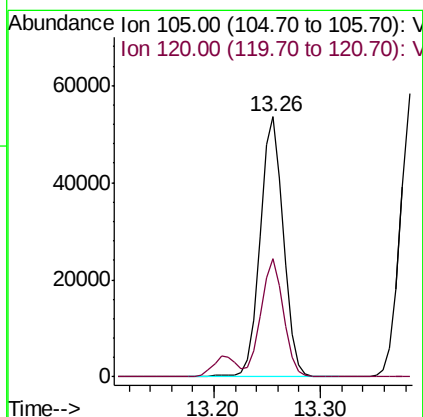
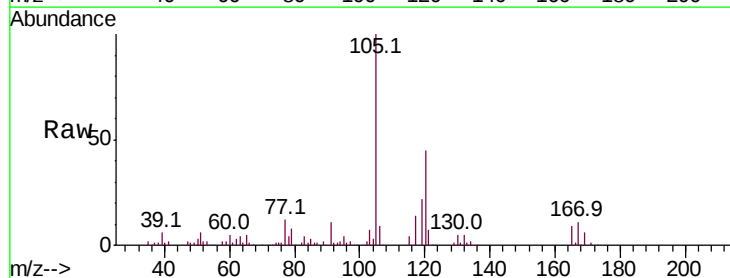
Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

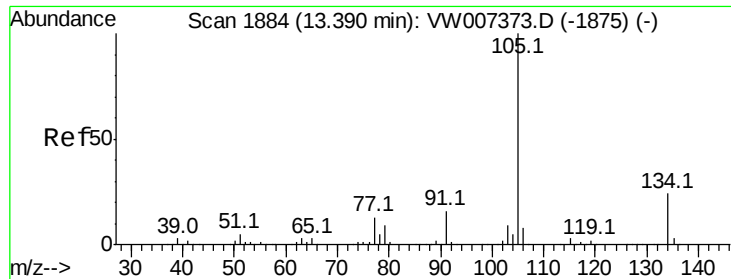
Tot Ion:119 Resp: 69114
Ion Ratio Lower Upper
119 100
91 68.4 33.1 99.2
134 25.8 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 20.663 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

Tgt Ion:105 Resp: 82010
Ion Ratio Lower Upper
105 100
120 44.3 22.6 67.7

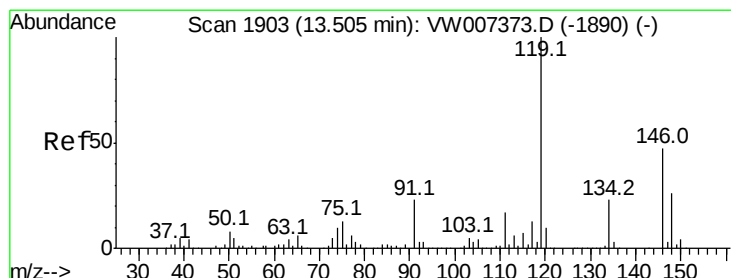
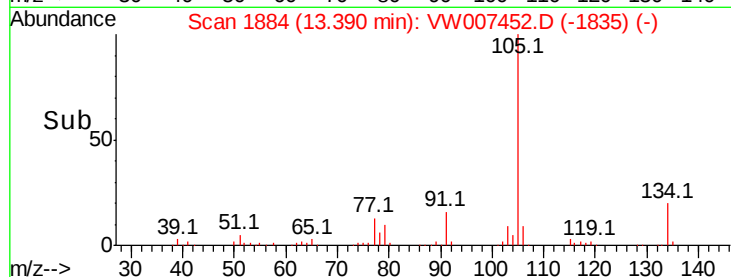
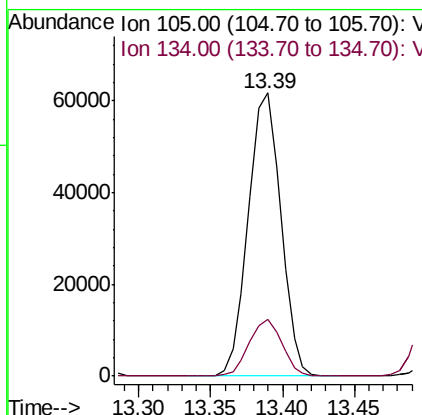
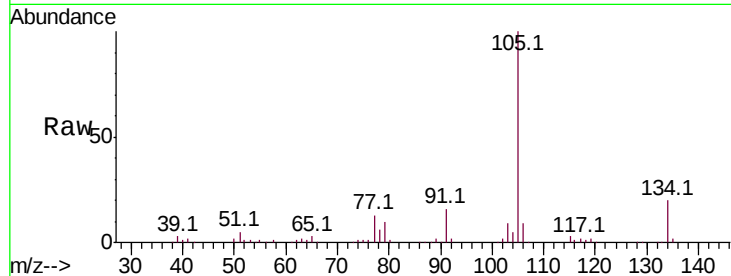




#85
 sec-Butylbenzene
 Concen: 20.833 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

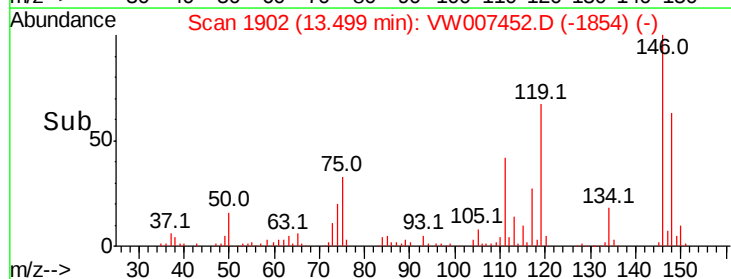
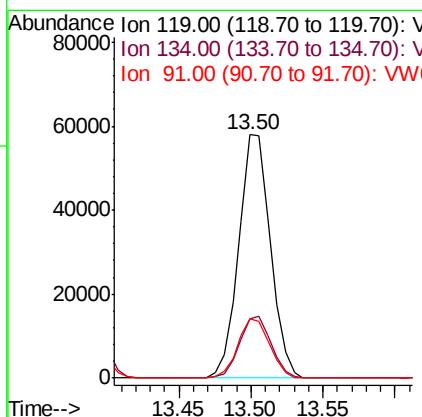
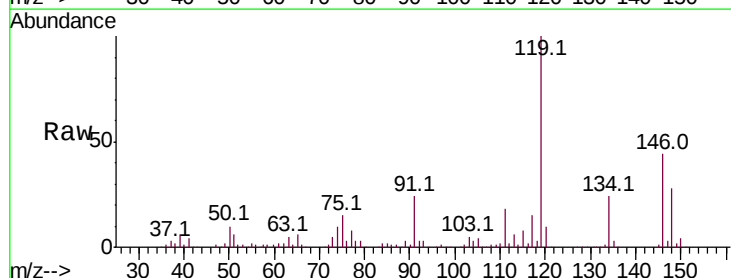
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

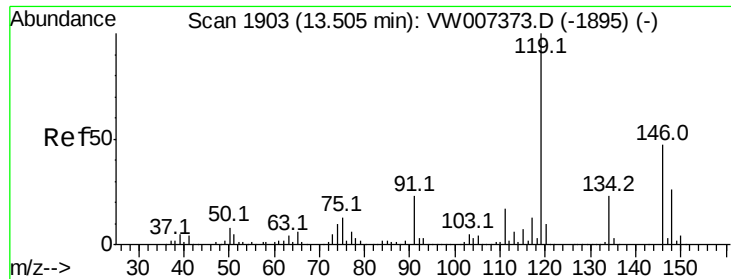
Tot Ion:105 Resp: 96653
 Ion Ratio Lower Upper
 105 100
 134 20.2 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 21.185 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion:119 Resp: 88298
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.9 38.7
 91 24.7 11.9 35.9

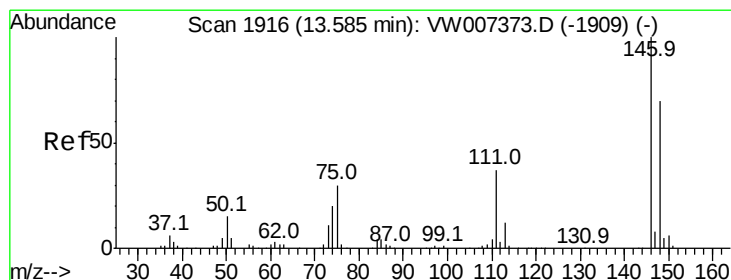
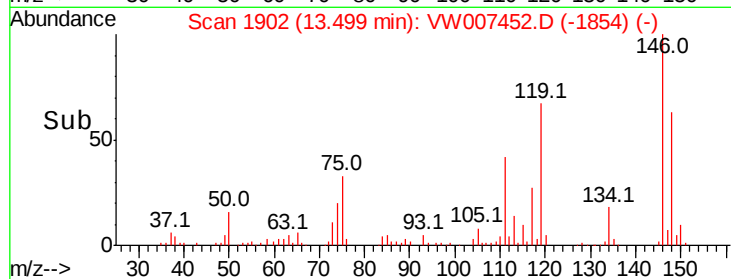
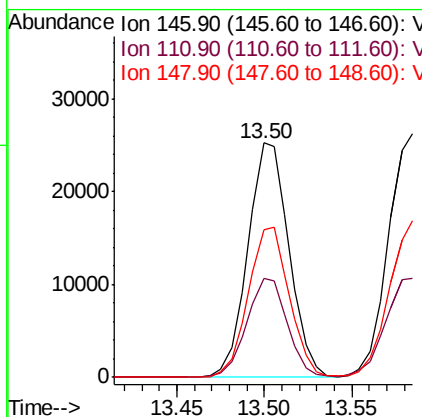
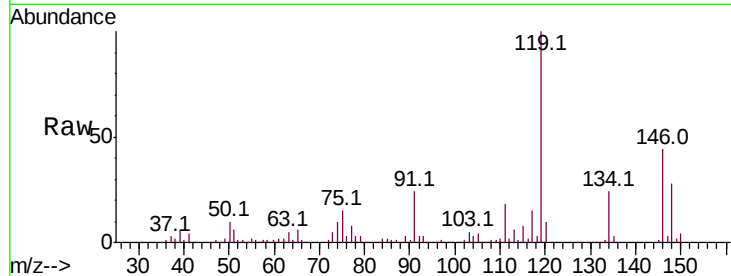




#87
 1,3-Dichlorobenzene
 Concen: 20.484 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

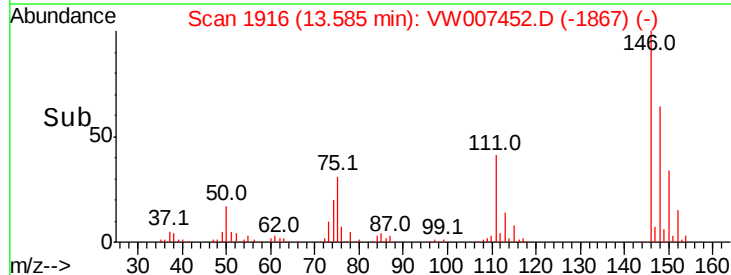
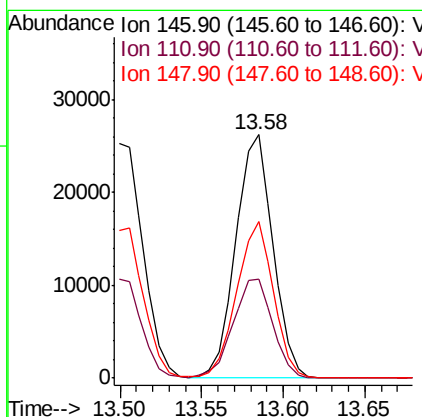
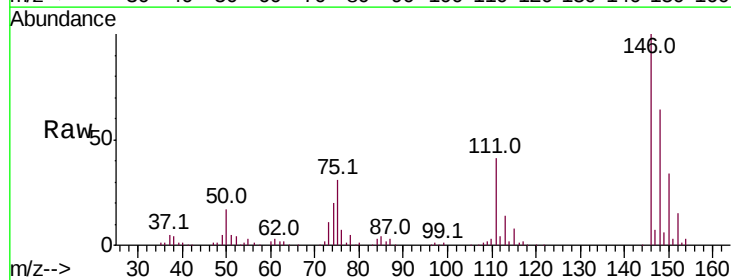
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

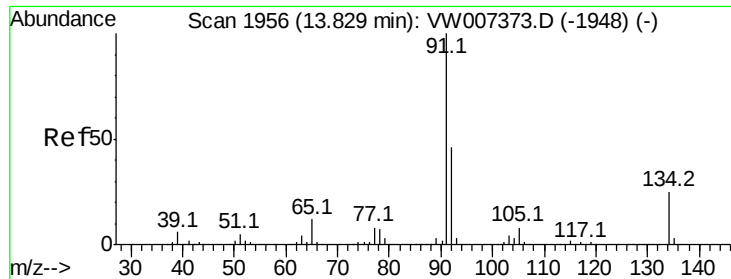
Tot Ion:146 Resp: 41555
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.1 60.3
 148 64.4 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 20.431 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion:146 Resp: 41667
 Ion Ratio Lower Upper
 146 100
 111 43.3 20.3 61.0
 148 63.3 33.5 100.5





#89

n-Butylbenzene

Concen: 20.787 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007452.D

Acq: 12 Dec 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

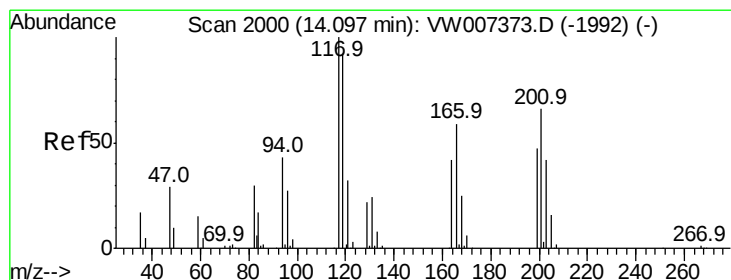
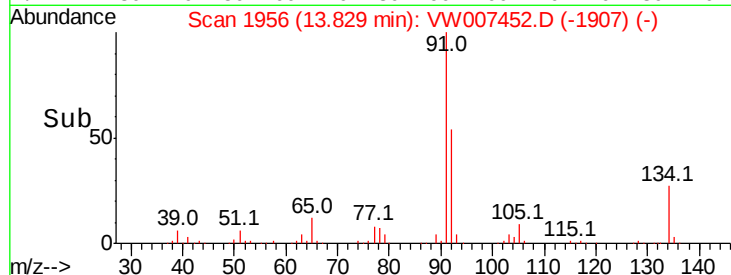
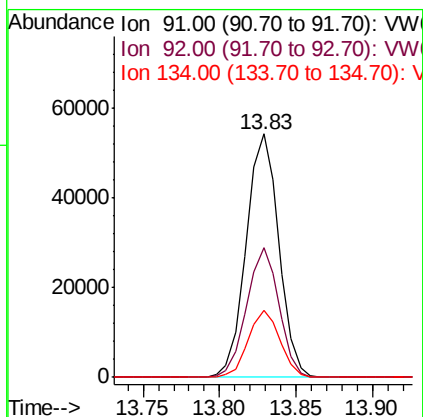
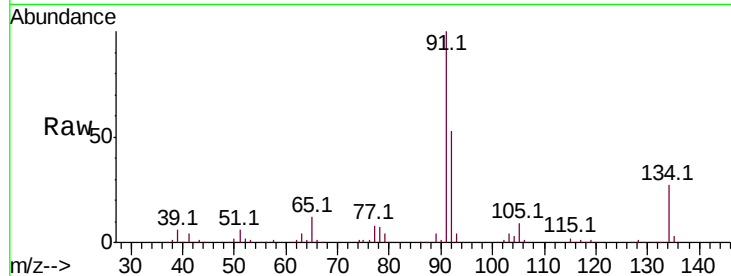
Tot Ion: 91 Resp: 80318

Ion Ratio Lower Upper

91 100

92 52.8 25.7 77.1

134 26.8 13.4 40.2



#90

Hexachloroethane

Concen: 20.656 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007452.D

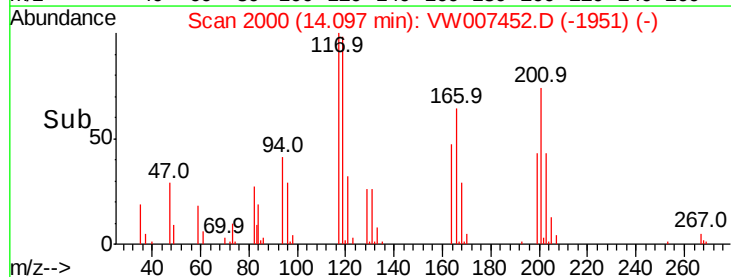
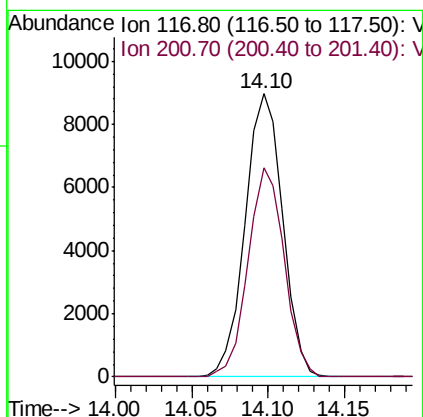
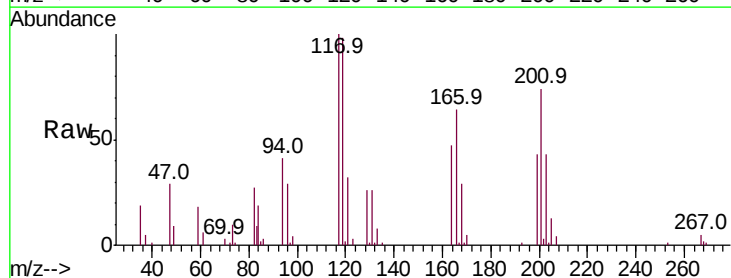
Acq: 12 Dec 2018 21:55

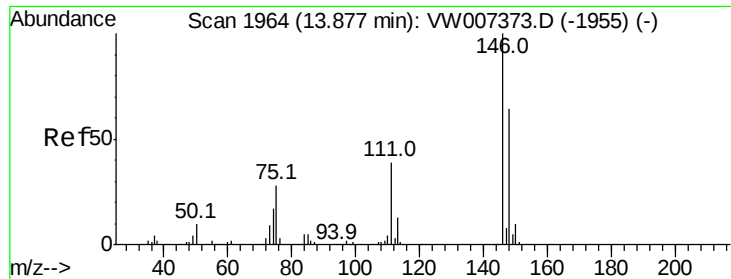
Tgt Ion: 117 Resp: 15318

Ion Ratio Lower Upper

117 100

201 71.1 35.3 105.9

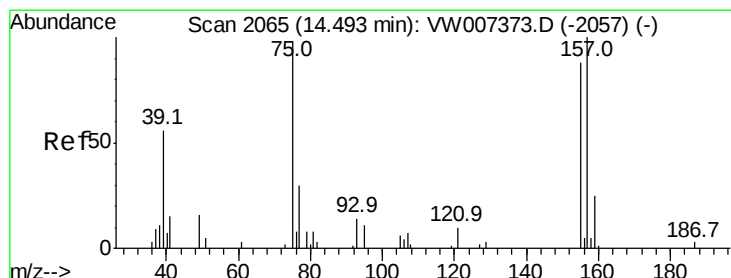
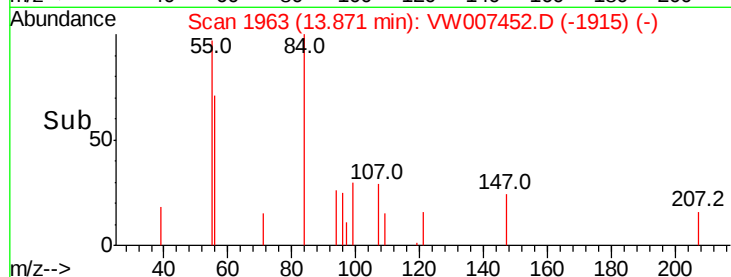
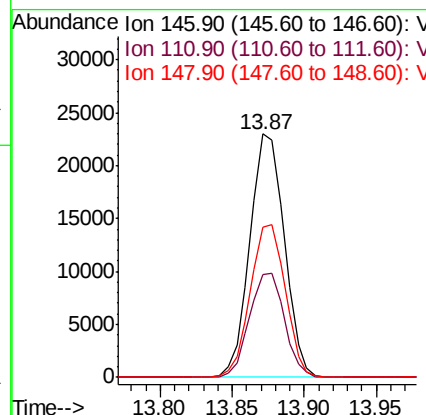
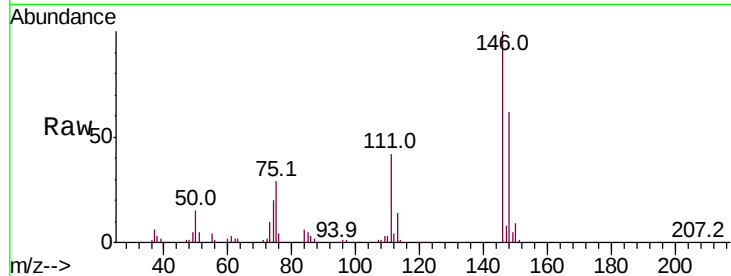




#91
 1,2-Dichlorobenzene
 Concen: 20.914 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

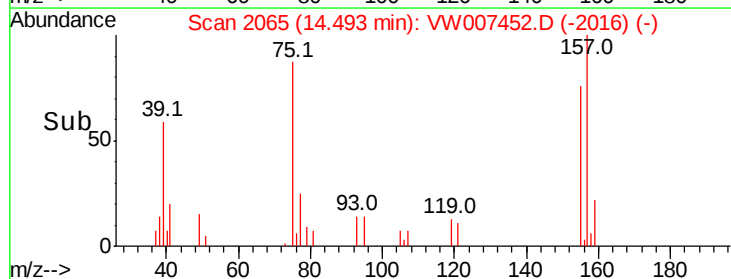
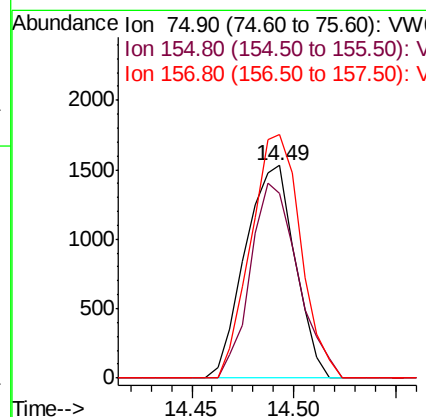
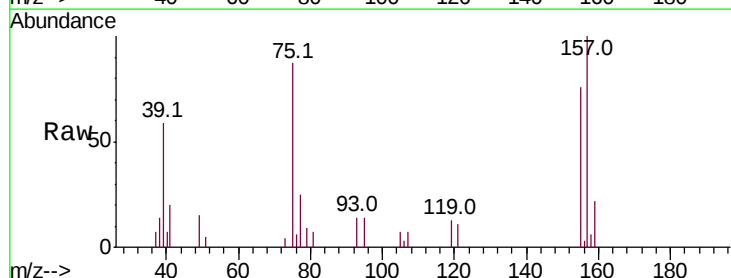
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

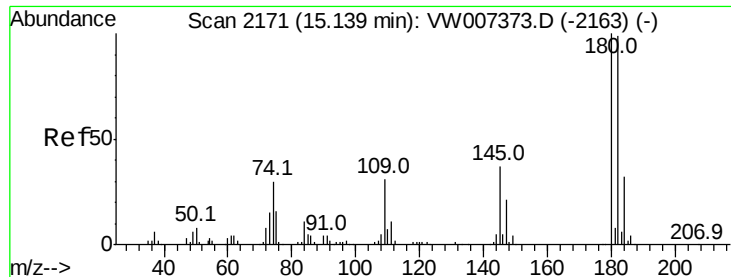
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.4	67.2
148	63.9	32.4	97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.093 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	40.8	122.2
157	114.4	51.1	153.4

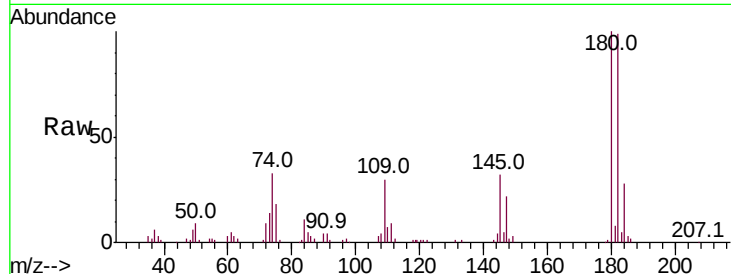




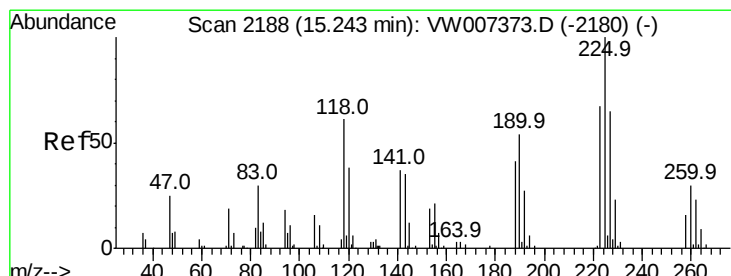
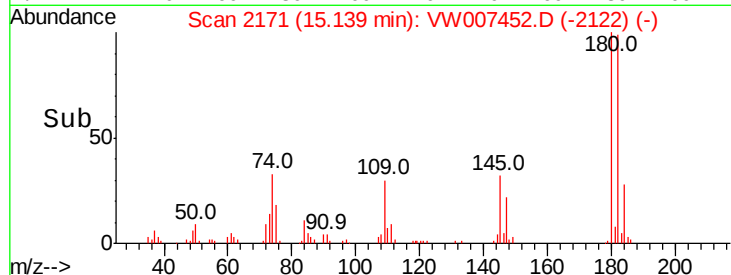
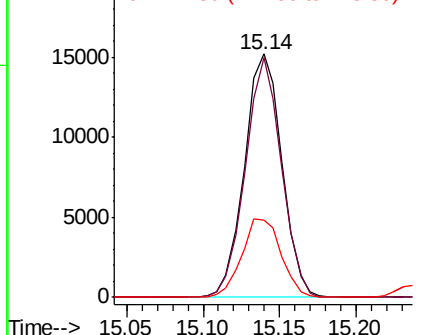
#93
 1,2,4-Trichlorobenzene
 Concen: 20.623 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBSD01

Tot Ion:180 Resp: 25788
 Ion Ratio Lower Upper
 180 100
 182 94.7 49.9 149.6
 145 34.0 17.8 53.4

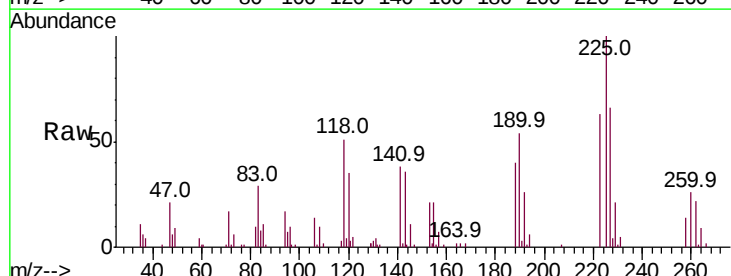


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

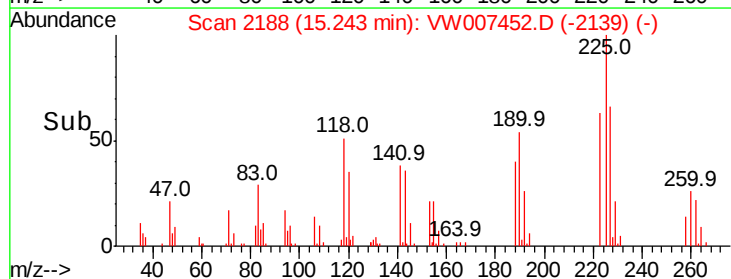
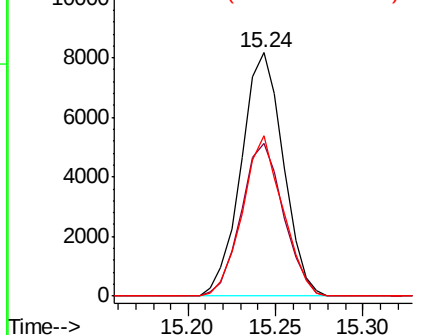


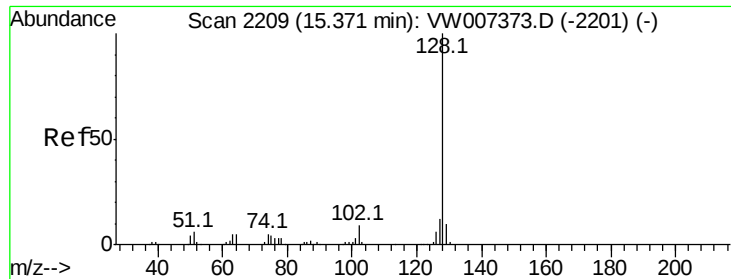
#94
 Hexachlorobutadiene
 Concen: 20.613 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007452.D
 Acq: 12 Dec 2018 21:55

Tgt Ion:225 Resp: 13676
 Ion Ratio Lower Upper
 225 100
 223 63.2 32.1 96.3
 227 63.0 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

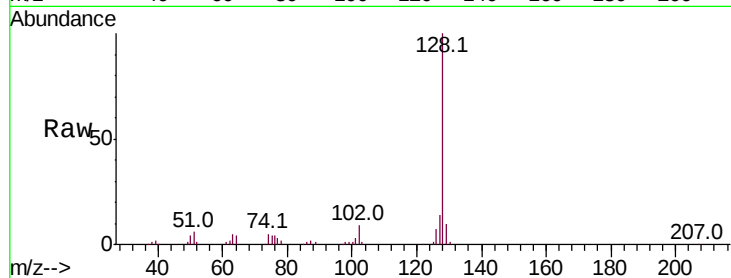




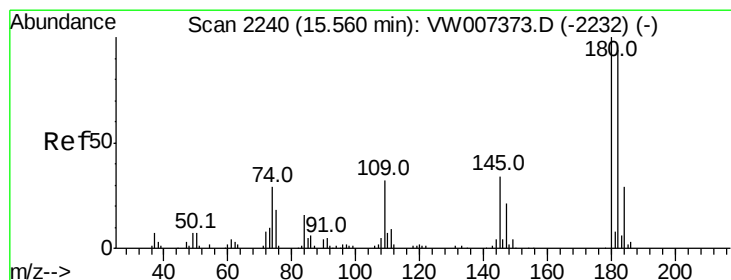
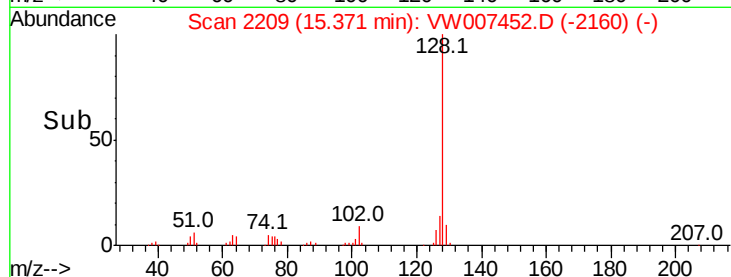
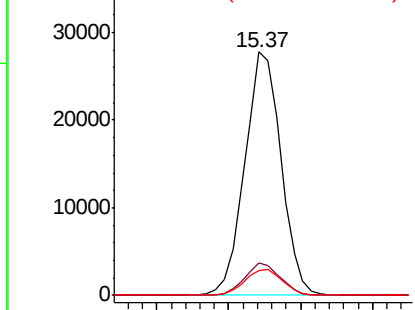
#95
Naphthalene
Concen: 20.183 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBSD01

Tot Ion:128 Resp: 48280
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.0 8.3 12.5

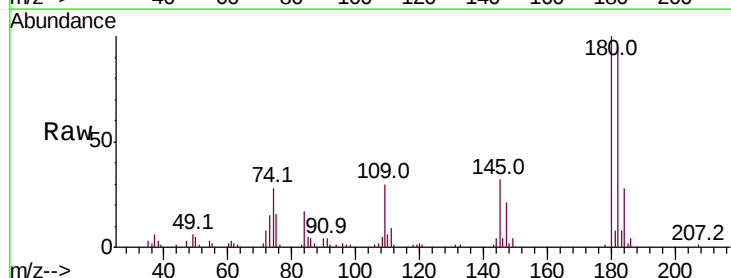


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.354 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007452.D
Acq: 12 Dec 2018 21:55

Tgt Ion:180 Resp: 22109
Ion Ratio Lower Upper
180 100
182 95.1 45.6 136.7
145 35.7 17.5 52.5



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

