

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008646.D
 Acq On : 13 Feb 2019 18:25
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Quant Time: Feb 14 04:44:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	392837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	601647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	549220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	285764	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	220590	54.01	ug/l	0.00
Spiked Amount						
			Recovery	=	108.02%	
35) Dibromofluoromethane	7.88	113	199673	53.45	ug/l	0.00
Spiked Amount						
			Recovery	=	106.90%	
50) Toluene-d8	10.32	98	745710	51.78	ug/l	0.00
Spiked Amount						
			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.62	95	280168	51.65	ug/l	0.00
Spiked Amount						
			Recovery	=	103.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	123686	49.158	ug/l	99
3) Chloromethane	2.21	50	175666	48.431	ug/l	99
4) Vinyl Chloride	2.36	62	229316	48.130	ug/l	99
5) Bromomethane	2.78	94	189927	50.377	ug/l	97
6) Chloroethane	2.92	64	180909	51.029	ug/l	98
7) Trichlorofluoromethane	3.25	101	192265	51.811	ug/l	94
8) Diethyl Ether	3.67	74	116793	52.741	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	205335	52.360	ug/l	98
10) Methyl Iodide	4.26	142	320496	52.362	ug/l	100
11) Tert butyl alcohol	5.17	59	96609	295.654	ug/l	99
12) 1,1-Dichloroethene	4.03	96	197445	51.483	ug/l	99
13) Acrolein	3.89	56	85209	253.099	ug/l	94
14) Allyl chloride	4.66	41	337997	53.046	ug/l	99
15) Acrylonitrile	5.36	53	273762	293.710	ug/l	99
16) Acetone	4.12	43	293778	316.109	ug/l	97
17) Carbon Disulfide	4.37	76	597624	51.637	ug/l	100
18) Methyl Acetate	4.67	43	124358	58.558	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	376776	55.964	ug/l	96
20) Methylene Chloride	4.90	84	224966	55.777	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	217945	51.892	ug/l	95
22) Diisopropyl ether	6.31	45	680382	53.054	ug/l	99
23) Vinyl Acetate	6.25	43	2358813	283.402	ug/l	100
24) 1,1-Dichloroethane	6.21	63	385068	52.035	ug/l	99
25) 2-Butanone	7.17	43	406375	309.666	ug/l	100
26) 2,2-Dichloropropane	7.16	77	243634	52.701	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	238463	52.507	ug/l	99
28) Bromochloromethane	7.51	49	179782	57.550	ug/l	99
29) Tetrahydrofuran	7.52	42	256624	296.689	ug/l	99
30) Chloroform	7.67	83	390339	52.642	ug/l	95
31) Cyclohexane	7.95	56	367495	49.201	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	325505	51.978	ug/l	99
36) 1,1-Dichloropropene	8.07	75	316095	52.294	ug/l	99
37) Ethyl Acetate	7.25	43	176489	60.528	ug/l	99
38) Carbon Tetrachloride	8.06	117	315042	52.414	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	391953	51.266	ug/l	97
40) Benzene	8.32	78	858068	51.978	ug/l	100
41) Methacrylonitrile	7.48	41	103226	62.921	ug/l	95
42) 1,2-Dichloroethane	8.40	62	276351	53.968	ug/l	99
43) Isopropyl Acetate	8.42	43	344689	59.284	ug/l	99
44) Trichloroethene	9.09	130	237081	51.796	ug/l	99
45) 1,2-Dichloropropane	9.37	63	216964	53.105	ug/l	96
46) Dibromomethane	9.46	93	123471	54.862	ug/l	99
47) Bromodichloromethane	9.64	83	292638	54.104	ug/l	100
48) Methyl methacrylate	9.43	41	158723	58.907	ug/l	98
49) 1,4-Dioxane	9.44	88	41687	1160.410	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	897854	300.619	ug/l	99
52) Toluene	10.38	92	557360	52.335	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	312952	55.076	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	350692	54.445	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	168878	54.687	ug/l	99
56) Ethyl methacrylate	10.65	69	237593	57.942	ug/l	99
57) 1,3-Dichloropropane	10.93	76	299484	54.660	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	576789	293.227	ug/l	100
59) 2-Hexanone	10.97	43	648218	308.949	ug/l	99
60) Dibromochloromethane	11.13	129	207040	56.034	ug/l	99
61) 1,2-Dibromoethane	11.24	107	168676	55.476	ug/l	98
64) Tetrachloroethene	10.86	164	205589	50.337	ug/l	98
65) Chlorobenzene	11.66	112	611343	51.644	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	217681	51.909	ug/l	99
67) Ethyl Benzene	11.73	91	1081333	51.281	ug/l	99
68) m/p-Xylenes	11.84	106	827860	100.902	ug/l	98
69) o-Xylene	12.16	106	399101	51.461	ug/l	100
70) Styrene	12.18	104	658516	51.986	ug/l	99
71) Bromoform	12.35	173	127947	56.626	ug/l #	98
73) Isopropylbenzene	12.46	105	1106063	51.962	ug/l	100
74) N-amyl acetate	12.27	43	338035	58.726	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	211383	57.077	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	293324	103.950	ug/l #	100
77) Bromobenzene	12.75	156	256278	52.376	ug/l	98
78) n-propylbenzene	12.80	91	1326327	52.442	ug/l	100
79) 2-Chlorotoluene	12.89	91	741096	51.846	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	923880	52.254	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	68953	53.681	ug/l	98
82) 4-Chlorotoluene	12.99	91	788233	52.034	ug/l	99
83) tert-Butylbenzene	13.21	119	806678	52.545	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	957540	52.693	ug/l	99
85) sec-Butylbenzene	13.38	105	1169696	52.327	ug/l	100
86) p-Isopropyltoluene	13.50	119	1048419	52.427	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	516223	52.044	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	505798	51.741	ug/l	99
89) n-Butylbenzene	13.83	91	1001754	52.714	ug/l	100
90) Hexachloroethane	14.10	117	186650	53.423	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	462286	52.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	38949	60.520	ug/l	97

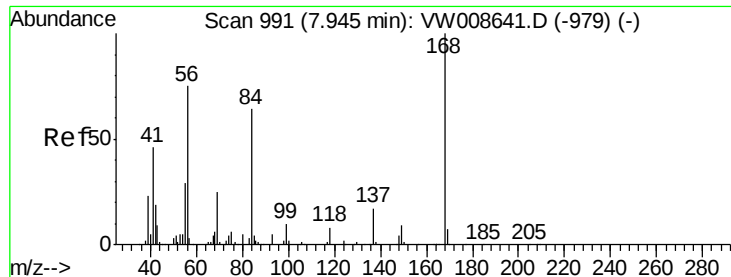
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	325583	52.045	ug/l	100
94) Hexachlorobutadiene	15.24	225	191759	52.660	ug/l	99
95) Naphthalene	15.37	128	651343	58.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	293296	54.636	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

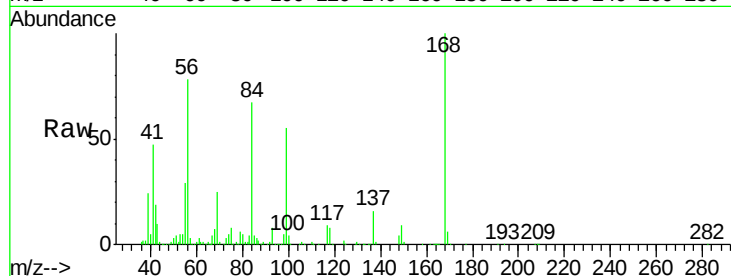
VW0213SBS01

Tot Ion:168 Resp: 392837

Ion Ratio Lower Upper

168 100

99 55.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

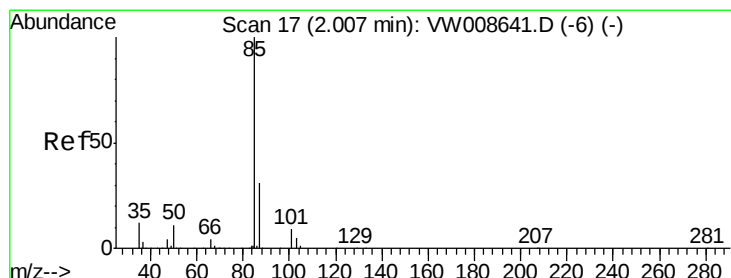
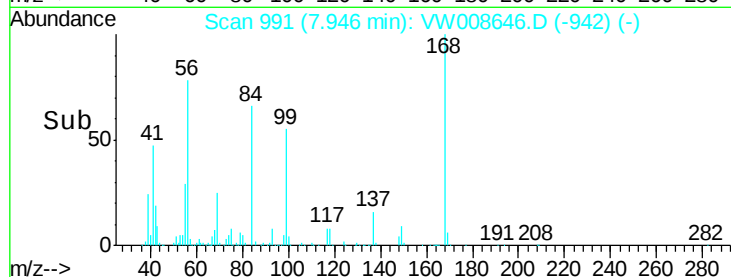
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 49.158 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008646.D

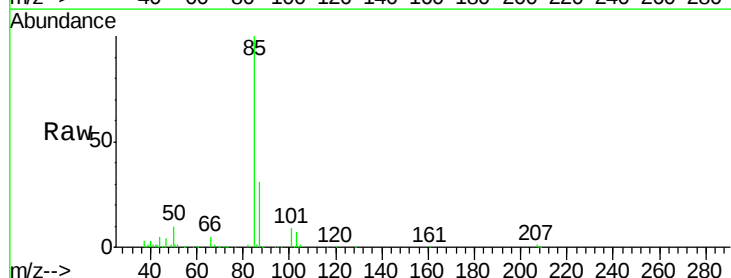
Acq: 13 Feb 2019 18:25

Tgt Ion: 85 Resp: 123686

Ion Ratio Lower Upper

85 100

87 31.5 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

50000

40000

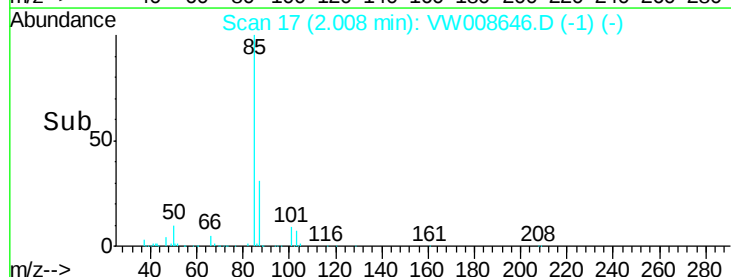
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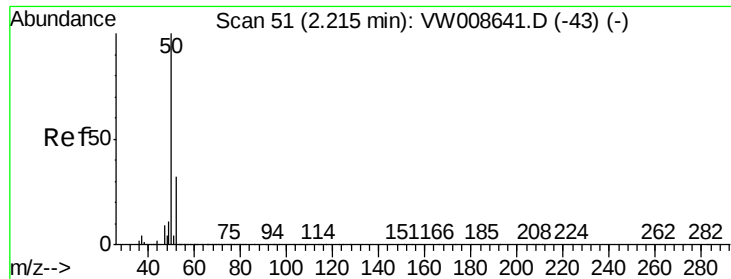
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 48.431 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

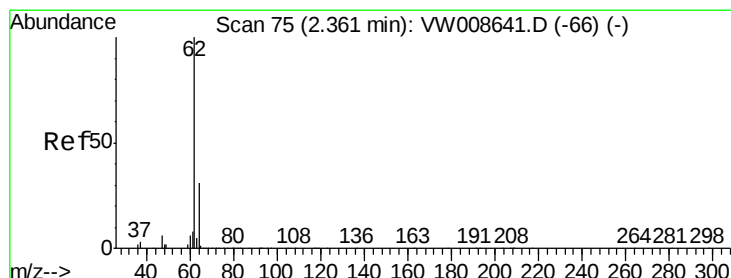
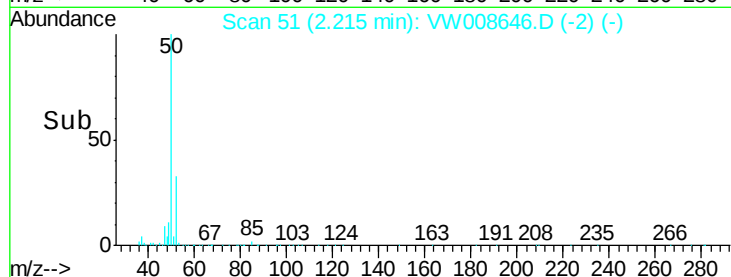
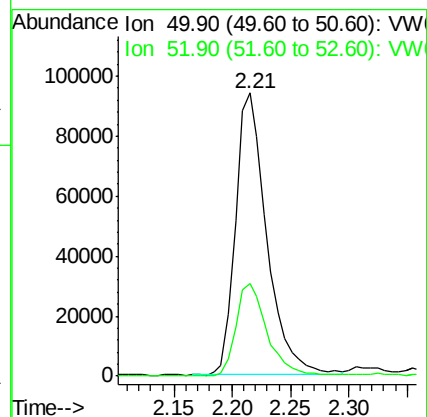
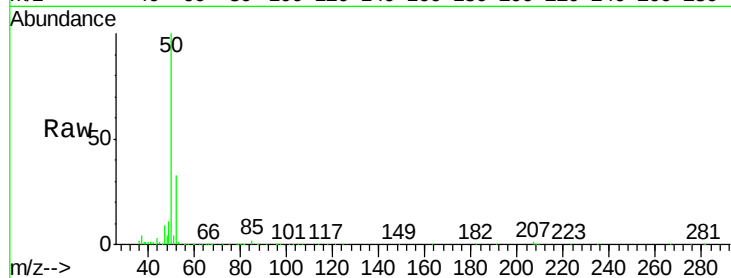
VW0213SBS01

Tot Ion: 50 Resp: 175666

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 48.130 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW008646.D

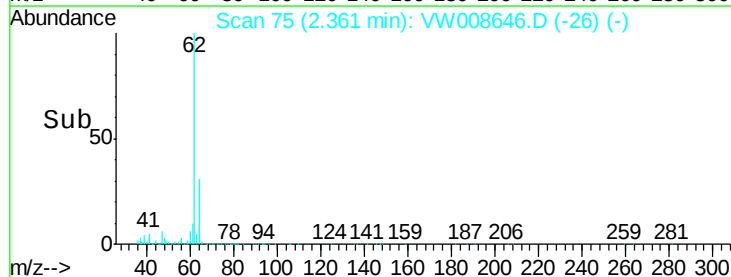
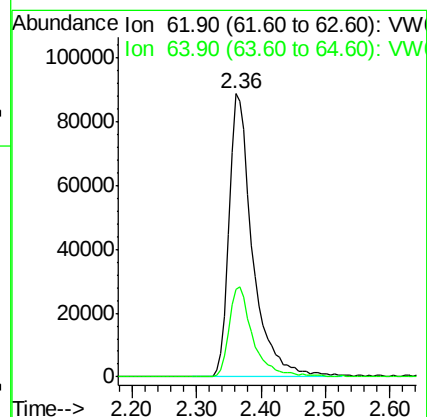
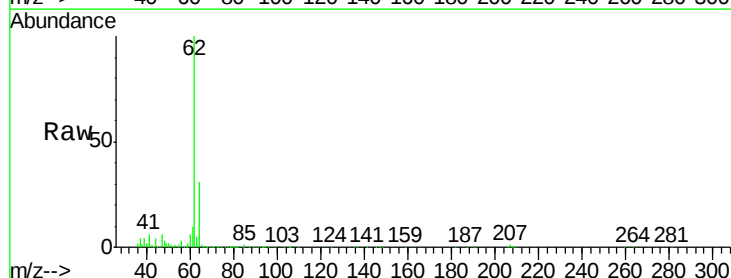
Acq: 13 Feb 2019 18:25

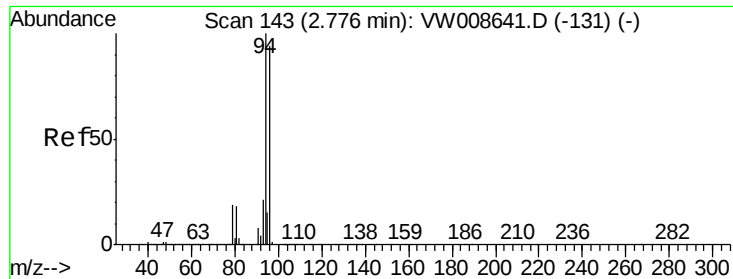
Tgt Ion: 62 Resp: 229316

Ion Ratio Lower Upper

62 100

64 30.8 25.1 37.7





#5

Bromomethane

Concen: 50.377 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

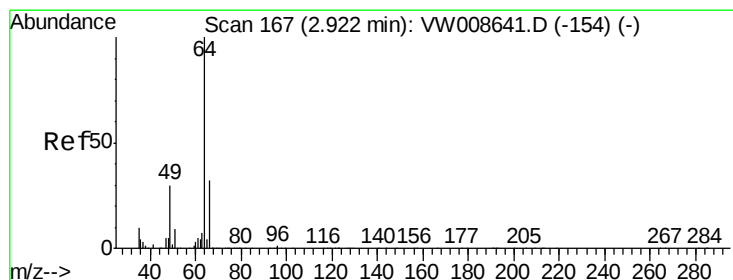
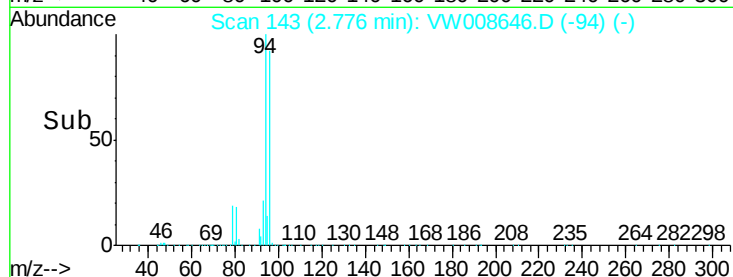
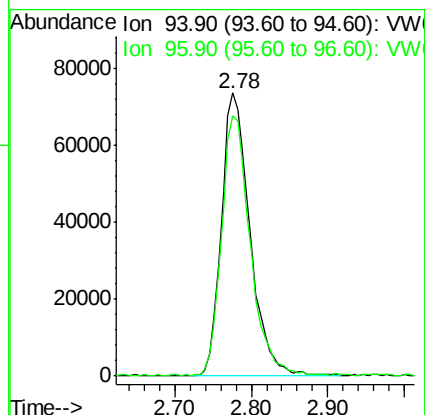
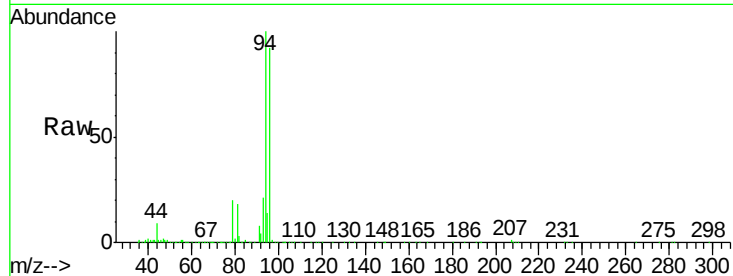
VW0213SBS01

Tot Ion: 94 Resp: 189927

Ion Ratio Lower Upper

94 100

96 91.9 75.5 113.3



#6

Chloroethane

Concen: 51.029 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008646.D

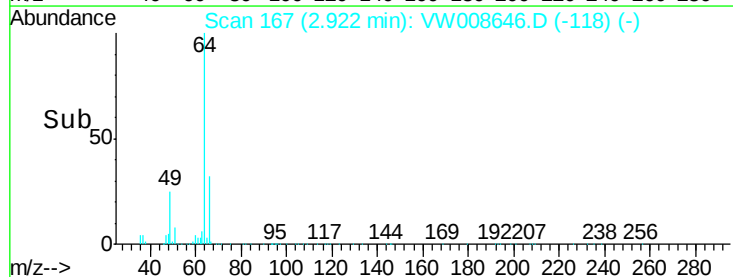
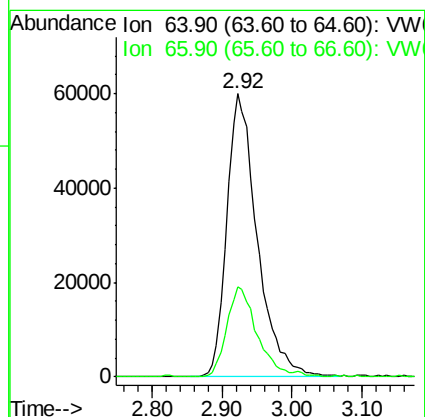
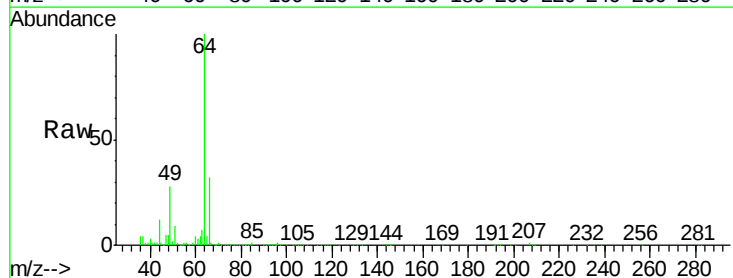
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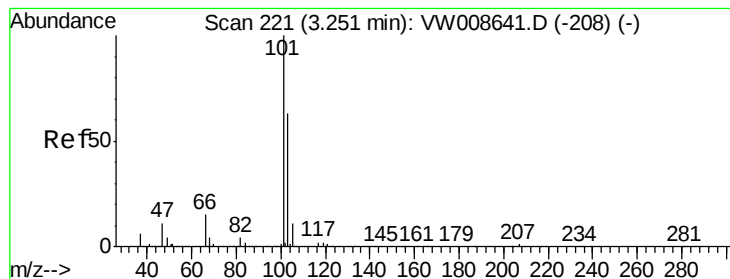
Tgt Ion: 64 Resp: 180909

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.4



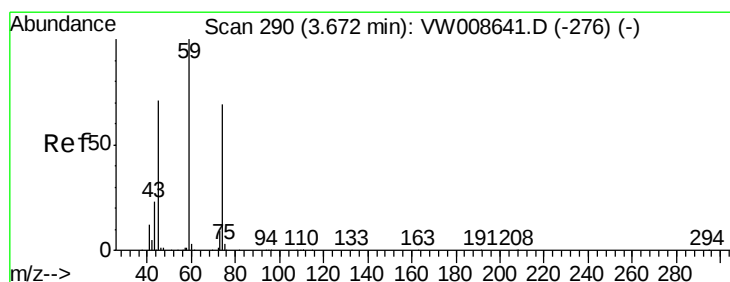
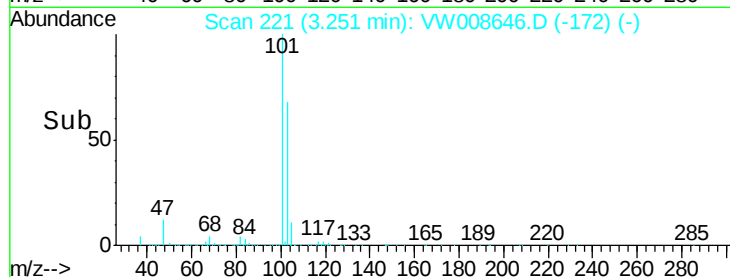
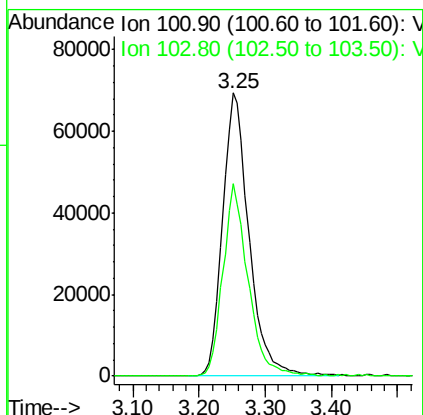
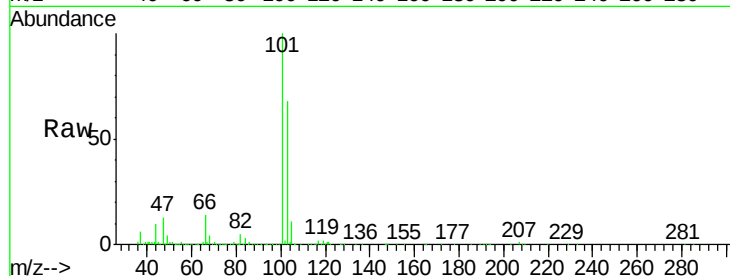


#7

Trichlorofluoromethane
Concen: 51.811 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Instrument :
MSVOA_W
ClientSampleId :
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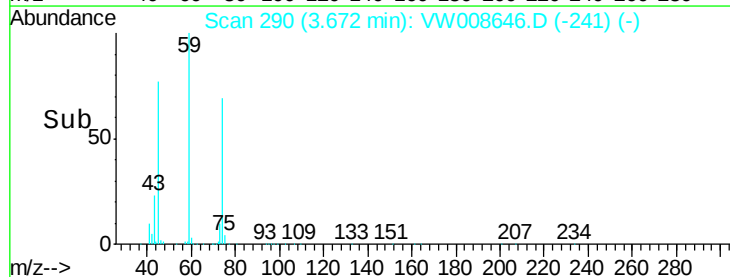
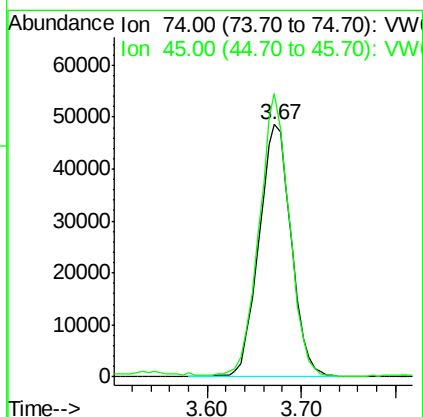
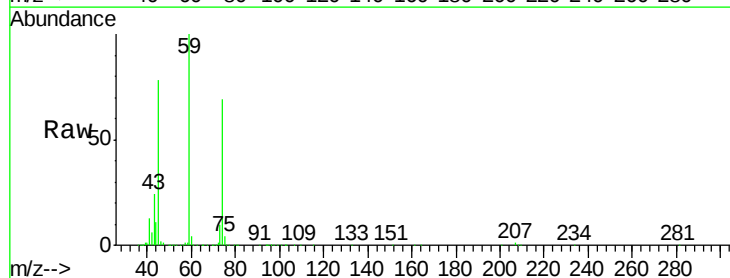
Tot Ion	Ratio	Lower	Upper
101	100		
103	68.0	50.5	75.7

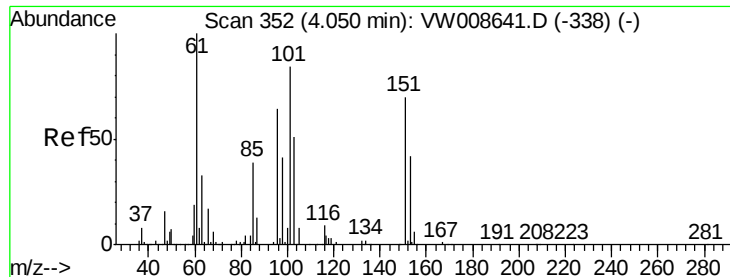


#8

Diethyl Ether
Concen: 52.741 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.1	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.360 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

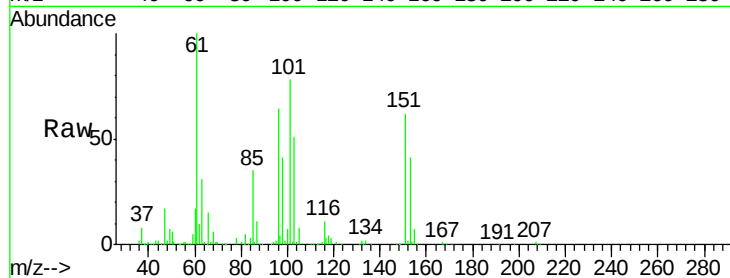
Tot Ion:101 Resp: 205335

Ion Ratio Lower Upper

101 100

85 44.1 34.3 51.5

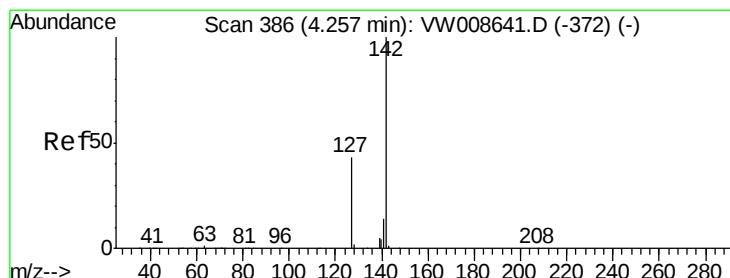
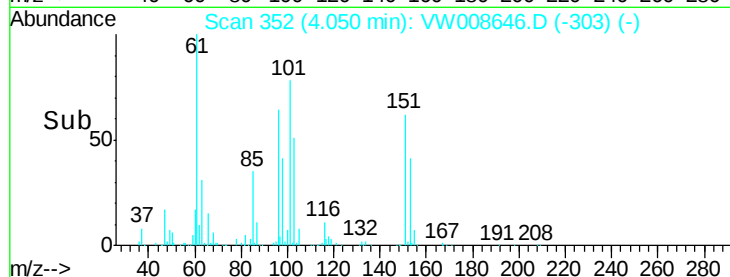
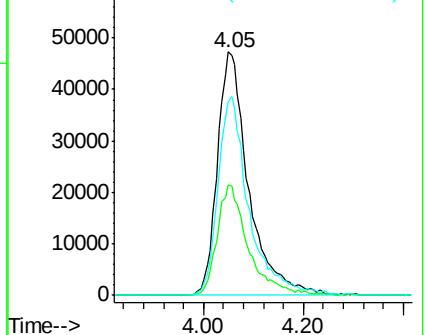
151 79.6 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.362 ug/l

RT: 4.26 min Scan# 386

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

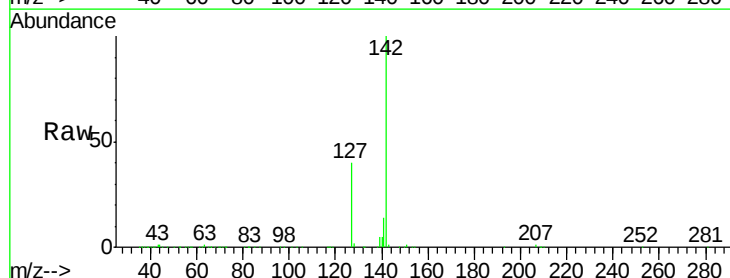
Tgt Ion:142 Resp: 320496

Ion Ratio Lower Upper

142 100

127 43.3 34.8 52.2

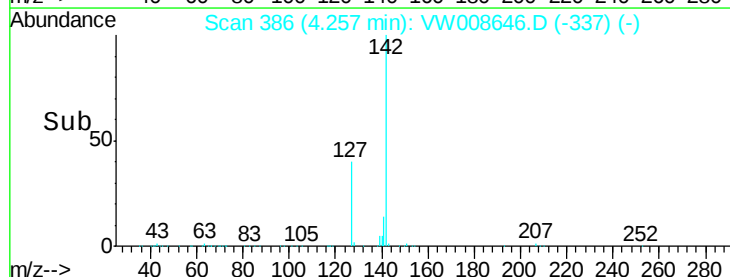
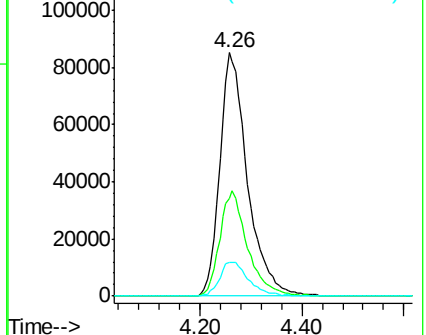
141 14.6 11.8 17.8

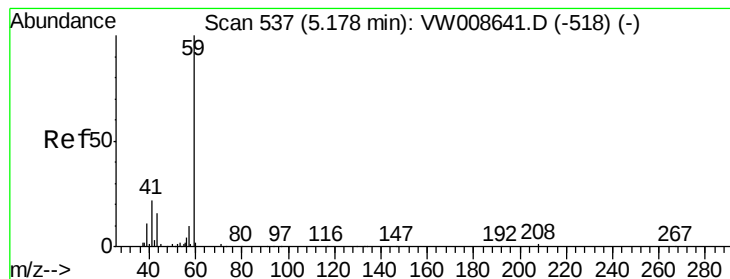


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



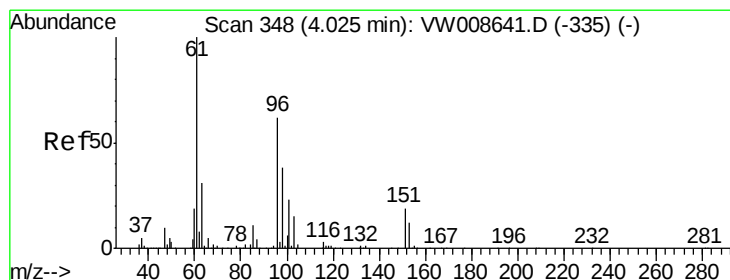
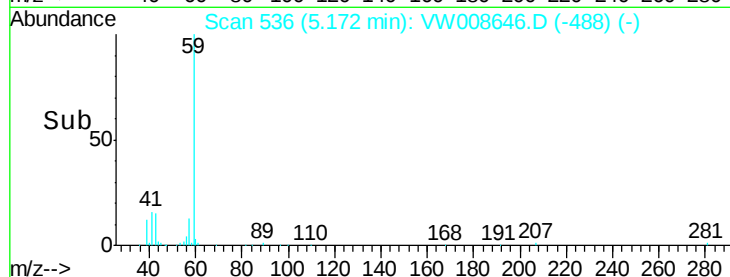
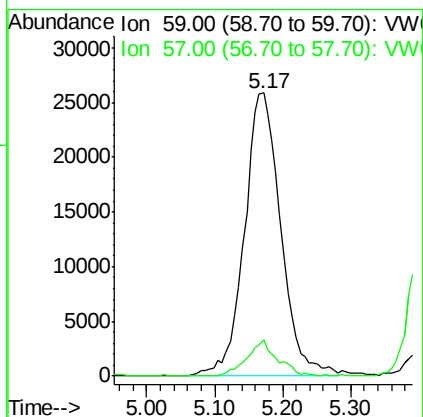
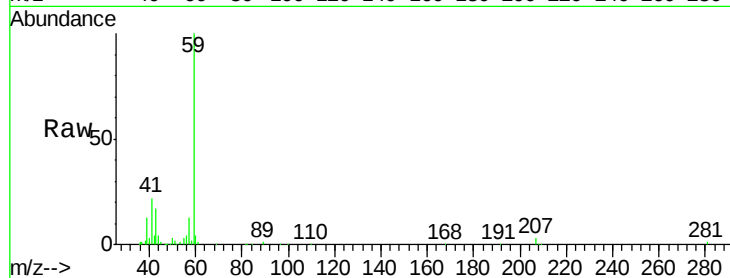


#11

Tert butyl alcohol
Concen: 295.654 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

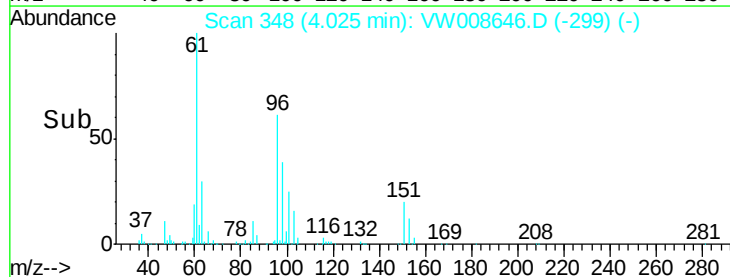
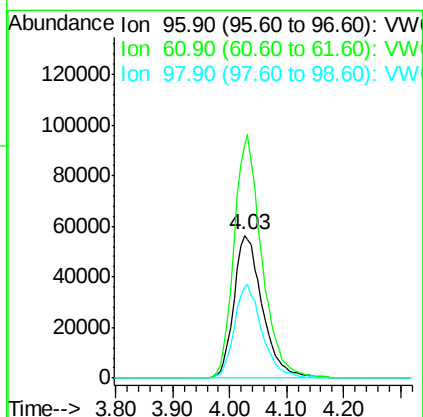
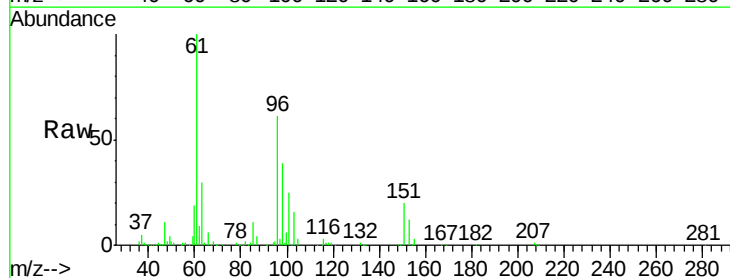
Tot Ion: 59 Resp: 96609
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

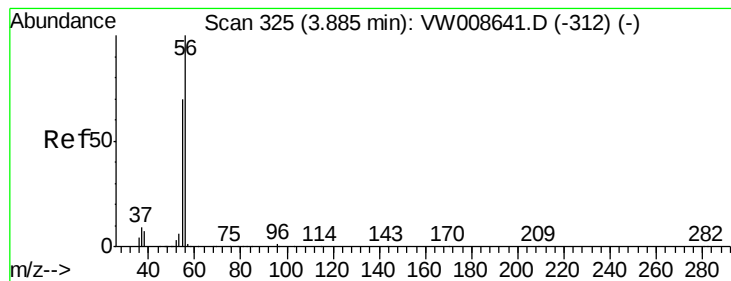


#12

1,1-Dichloroethene
Concen: 51.483 ug/l
RT: 4.03 min Scan# 348
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion: 96 Resp: 197445
Ion Ratio Lower Upper
96 100
61 163.3 129.8 194.6
98 63.7 49.3 73.9





#13

Acrolein

Concen: 253.099 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

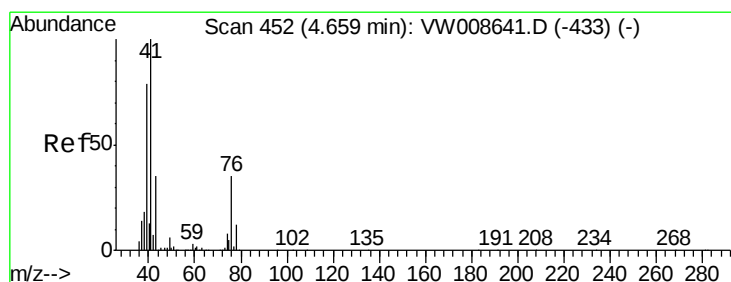
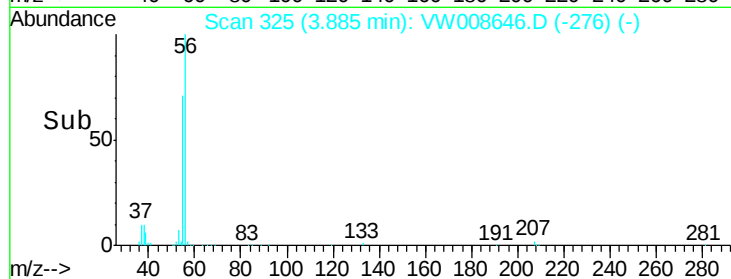
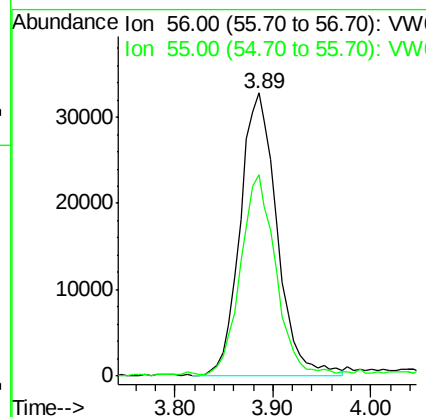
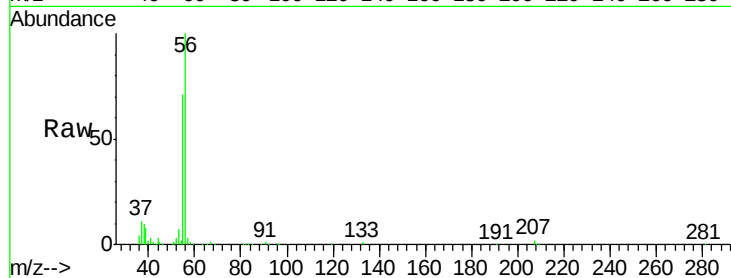
VW0213SBS01

Tot Ion: 56 Resp: 85209

Ion Ratio Lower Upper

56 100

55 66.7 57.4 86.2



#14

Allyl chloride

Concen: 53.046 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

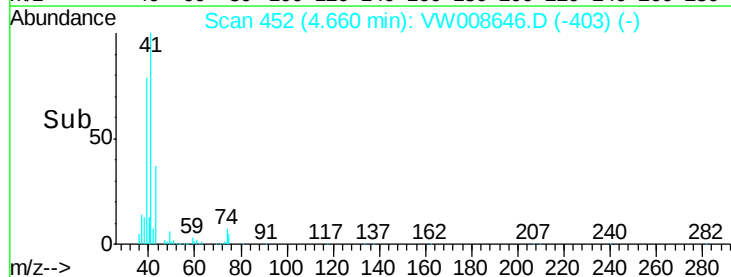
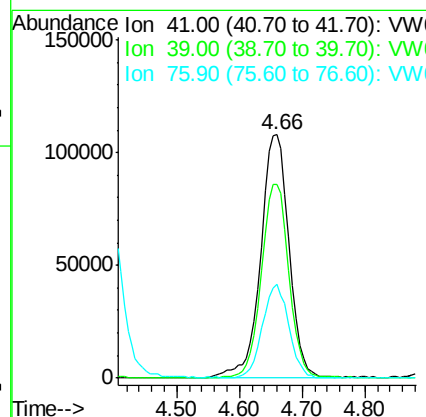
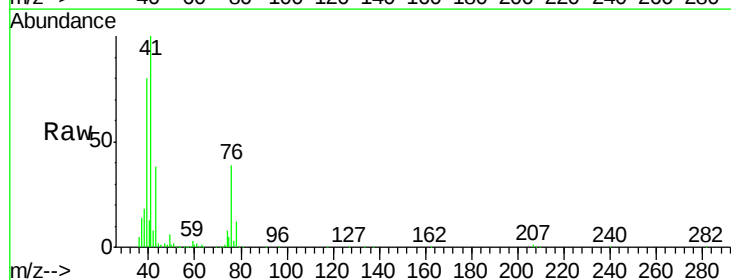
Tgt Ion: 41 Resp: 337997

Ion Ratio Lower Upper

41 100

39 77.0 61.7 92.5

76 35.4 27.7 41.5





#15

Acrylonitrile

Concen: 293.710 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

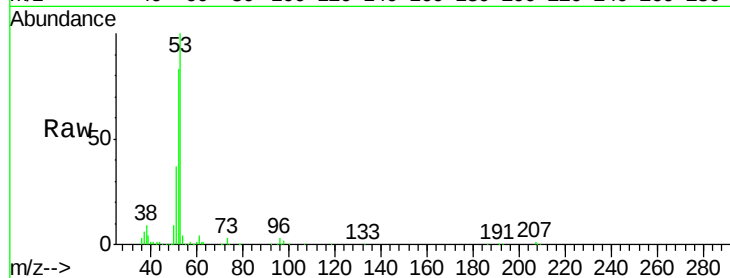
Tot Ion: 53 Resp: 273762

Ion Ratio Lower Upper

53 100

52 82.6 66.8 100.2

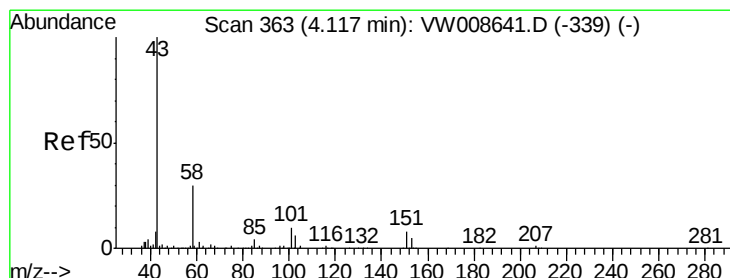
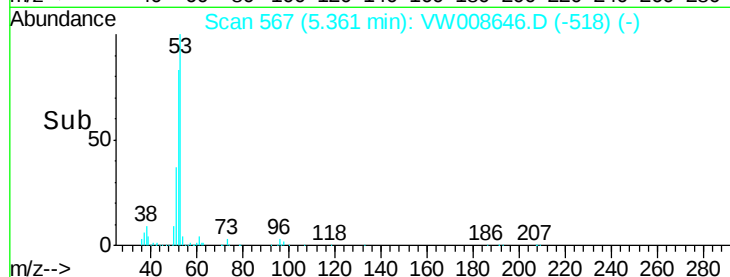
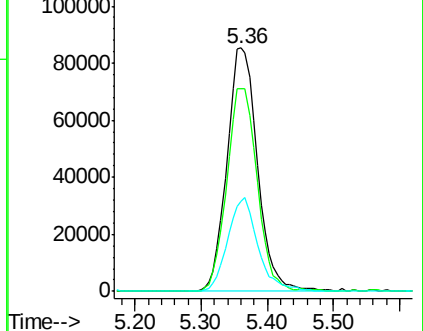
51 38.1 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 316.109 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008646.D

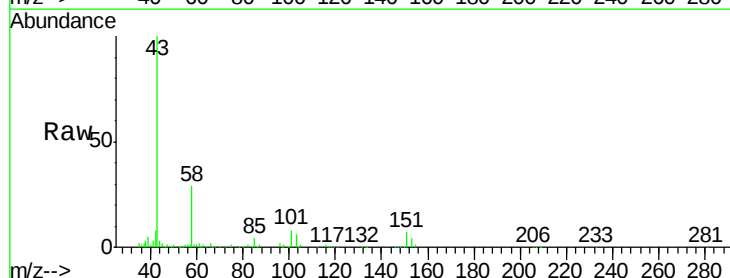
Acq: 13 Feb 2019 18:25

Tgt Ion: 43 Resp: 293778

Ion Ratio Lower Upper

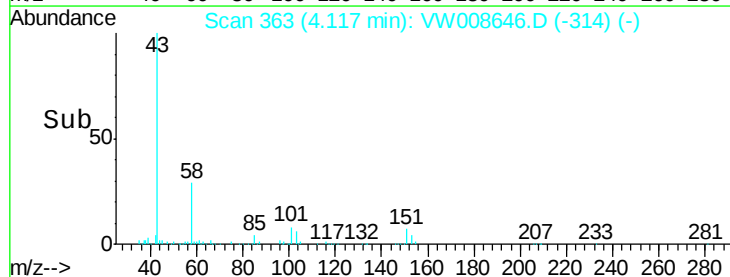
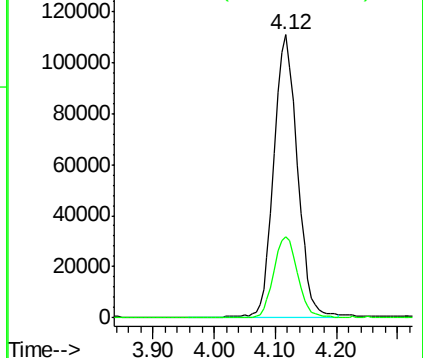
43 100

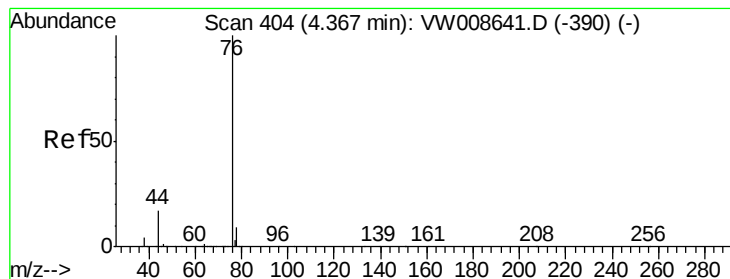
58 28.6 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 51.637 ug/l

RT: 4.37 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

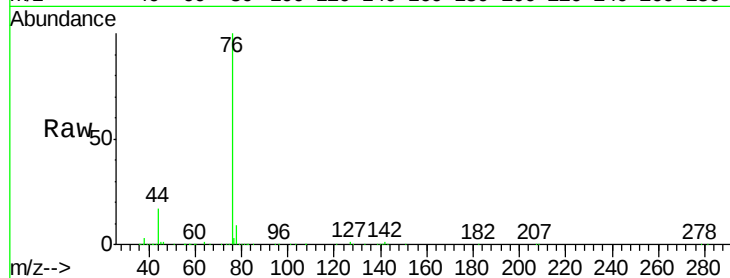
VW0213SBS01

Tot Ion: 76 Resp: 597624

Ion Ratio Lower Upper

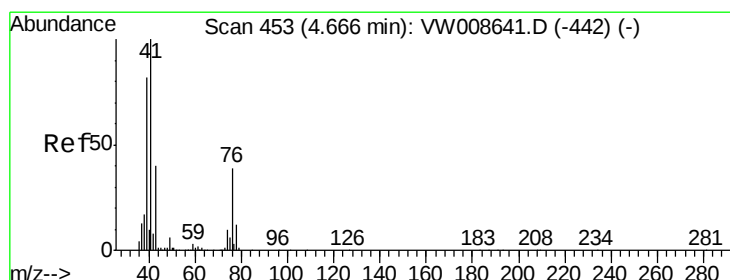
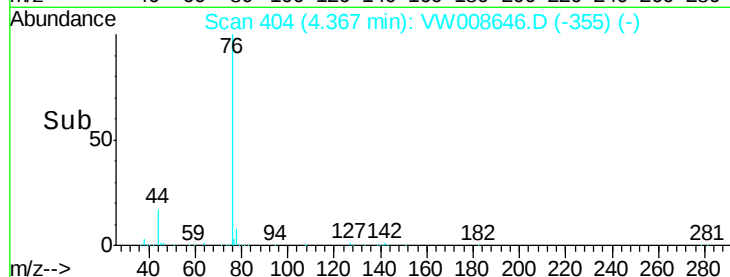
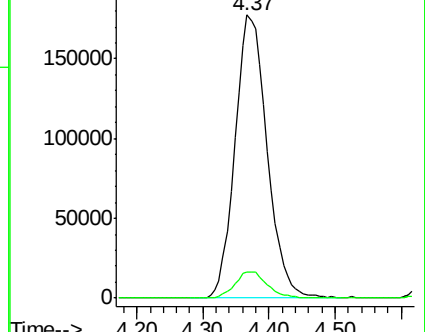
76 100

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: 58.558 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008646.D

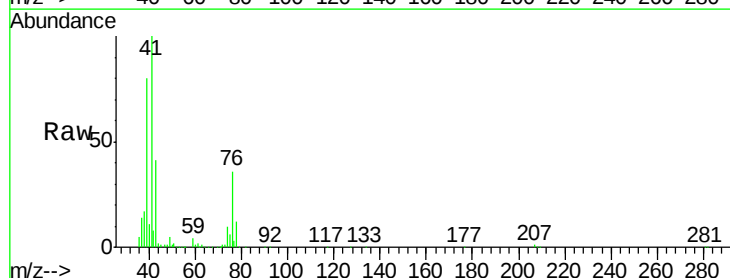
Acq: 13 Feb 2019 18:25

Tgt Ion: 43 Resp: 124358

Ion Ratio Lower Upper

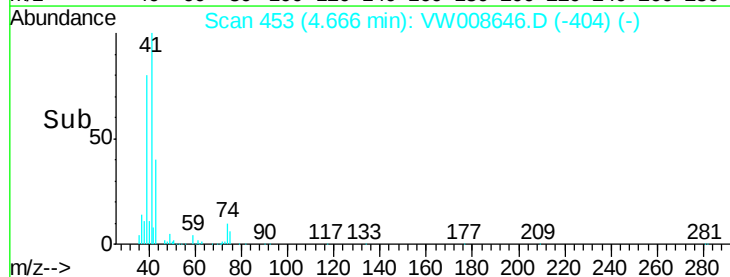
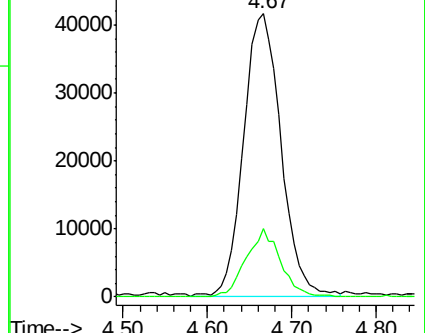
43 100

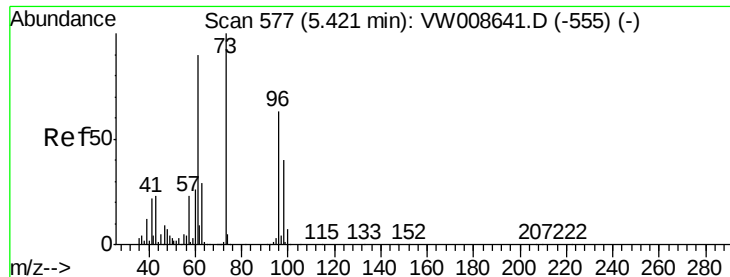
74 22.3 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

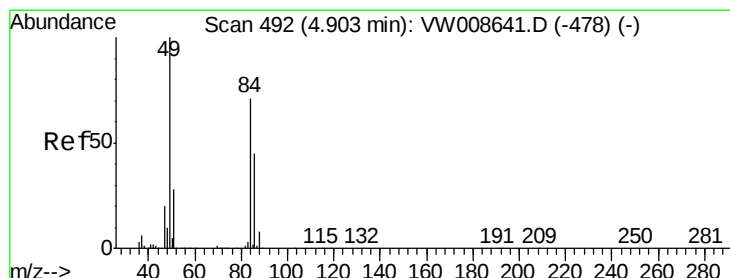
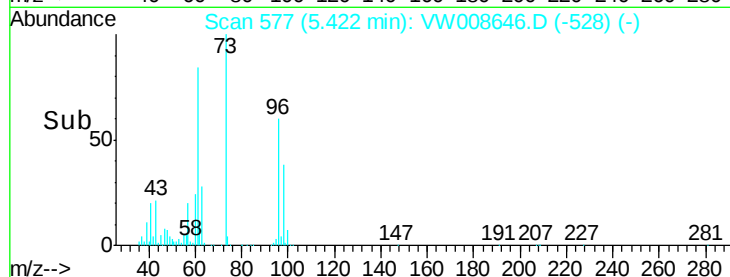
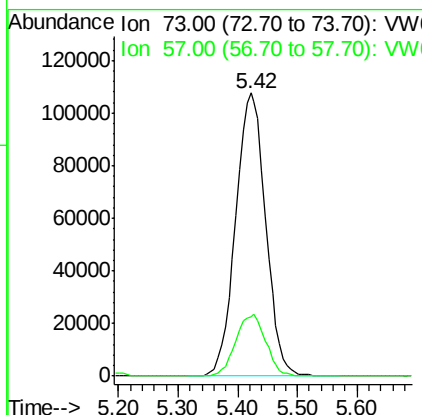
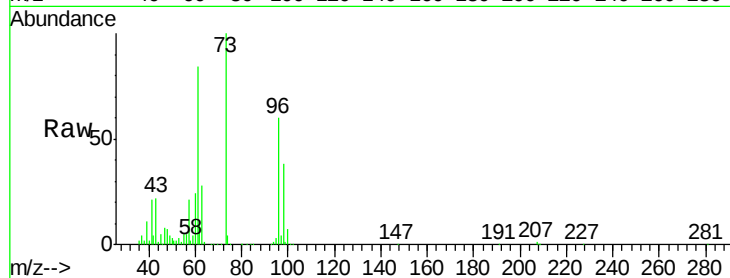




#19
Methyl tert-butyl Ether
Concen: 55.964 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

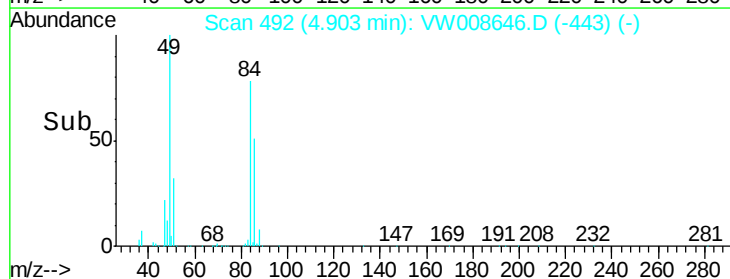
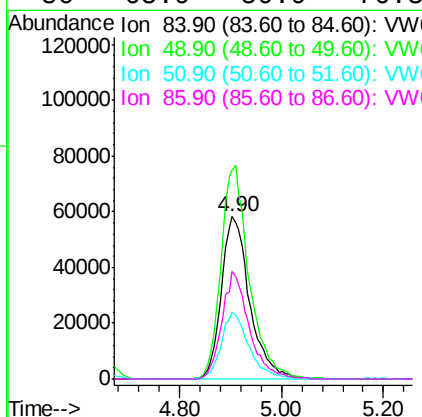
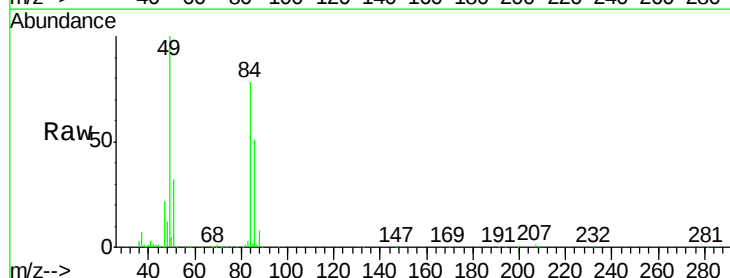
Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

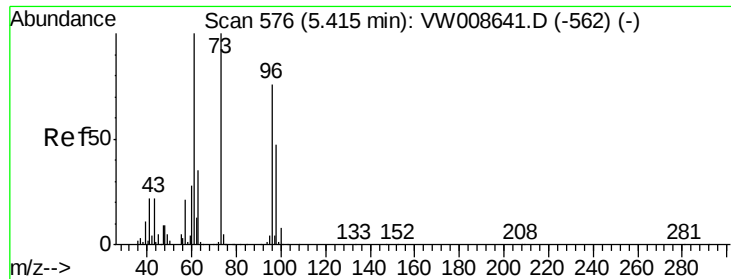
Tot Ion: 73 Resp: 376776
Ion Ratio Lower Upper
73 100
57 21.0 18.2 27.2



#20
Methylene Chloride
Concen: 55.777 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion: 84 Resp: 224966
Ion Ratio Lower Upper
84 100
49 128.7 113.3 169.9
51 41.1 32.1 48.1
86 65.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.892 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

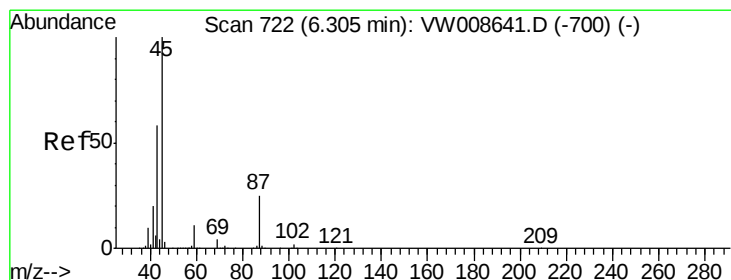
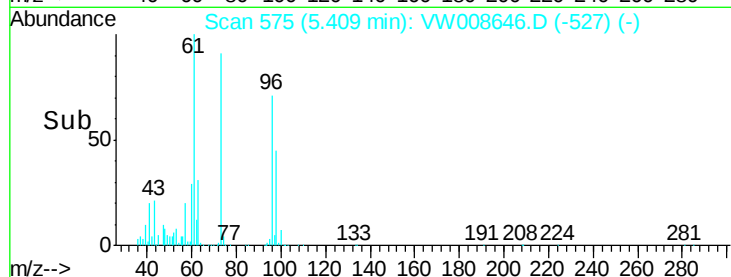
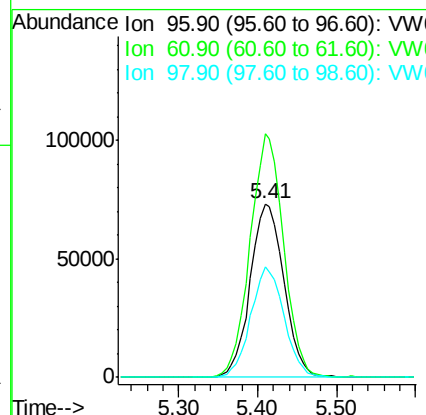
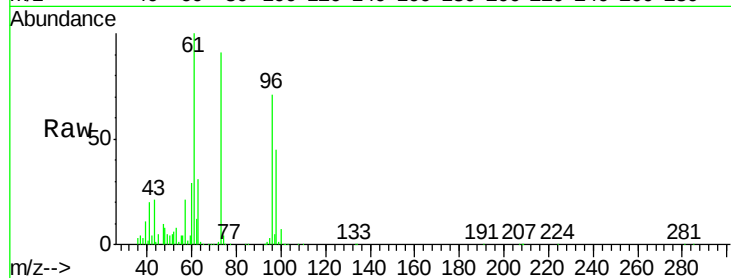
Tot Ion: 96 Resp: 217945

Ion Ratio Lower Upper

96 100

61 140.1 105.9 158.9

98 63.4 49.8 74.6



#22

Diisopropyl ether

Concen: 53.054 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Tgt Ion: 45 Resp: 680382

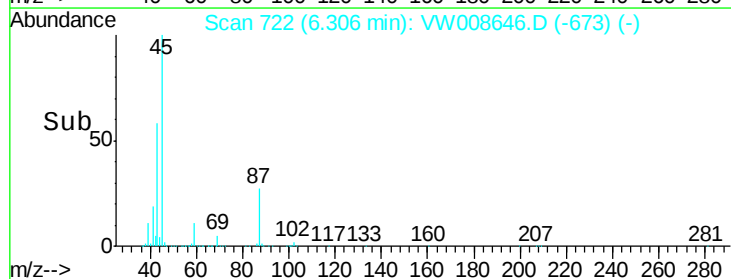
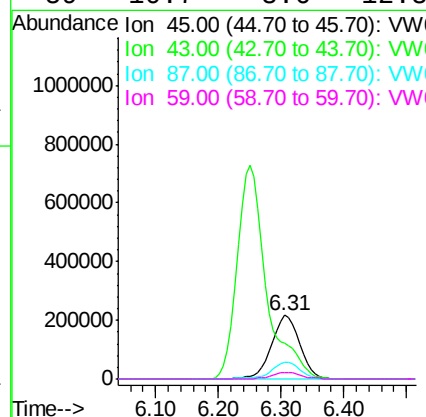
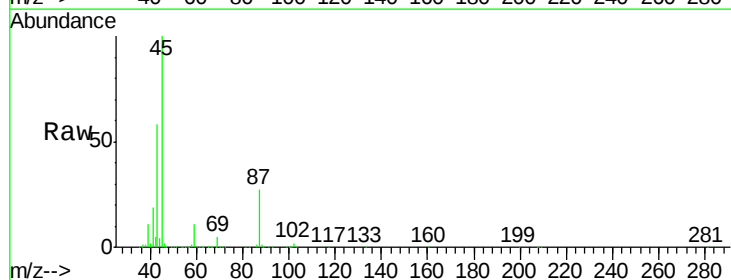
Ion Ratio Lower Upper

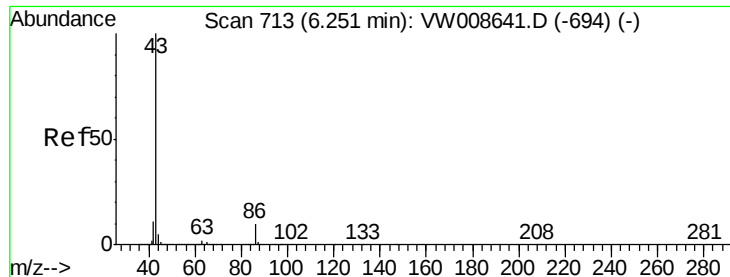
45 100

43 57.5 46.1 69.1

87 26.9 20.5 30.7

59 10.7 8.6 12.8





#23

Vinyl Acetate

Concen: 283.402 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

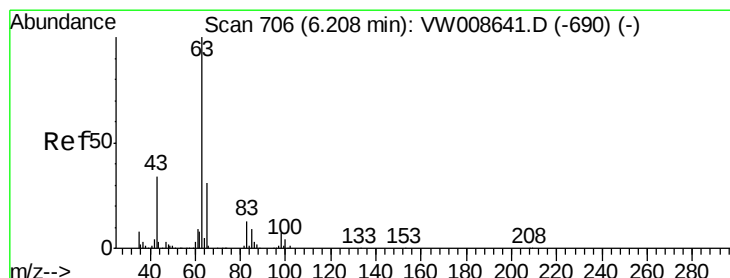
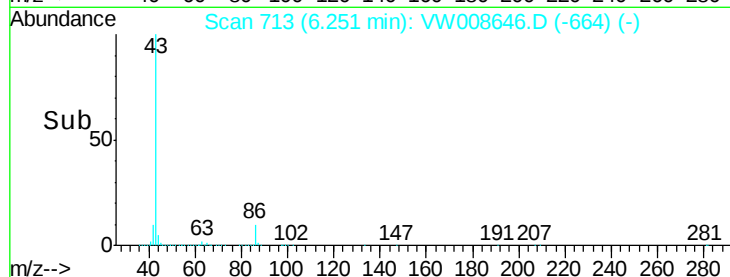
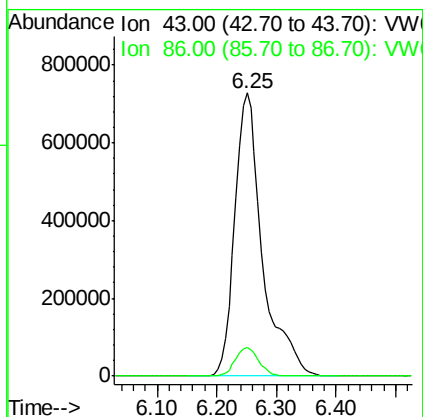
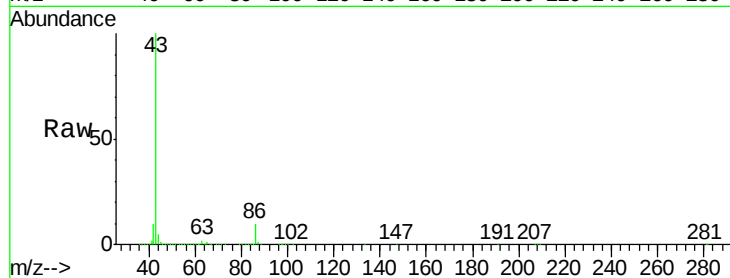
VW0213SBS01

Tot Ion: 43 Resp: 2358813

Ion Ratio Lower Upper

43 100

86 9.9 7.9 11.9



#24

1,1-Dichloroethane

Concen: 52.035 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

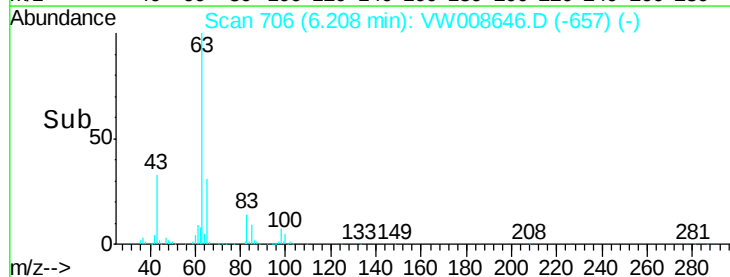
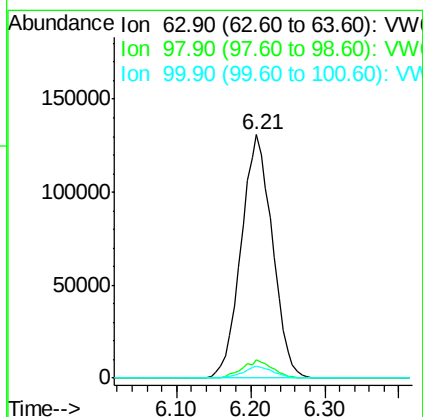
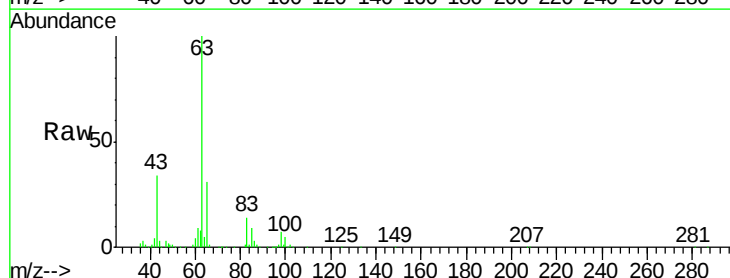
Tgt Ion: 63 Resp: 385068

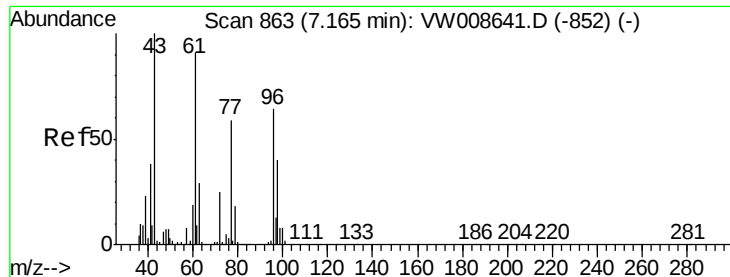
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 4.9 2.2 6.6





#25

2-Butanone

Concen: 309.666 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

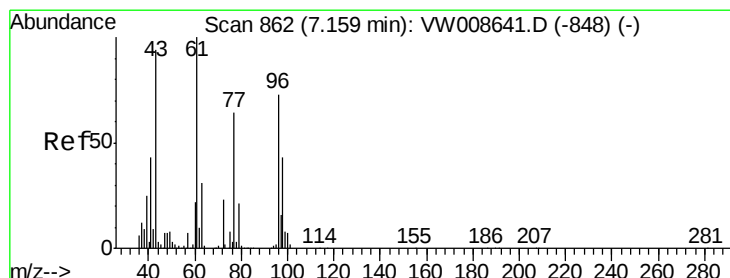
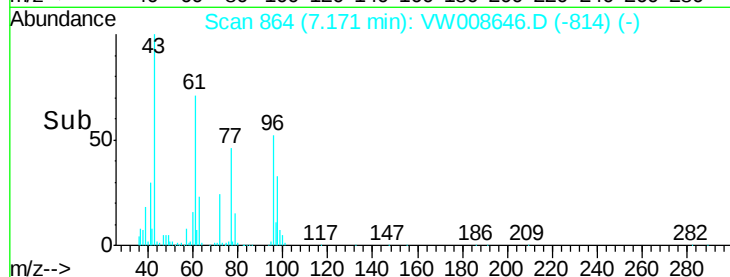
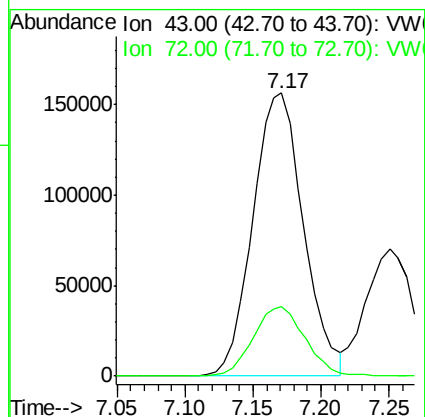
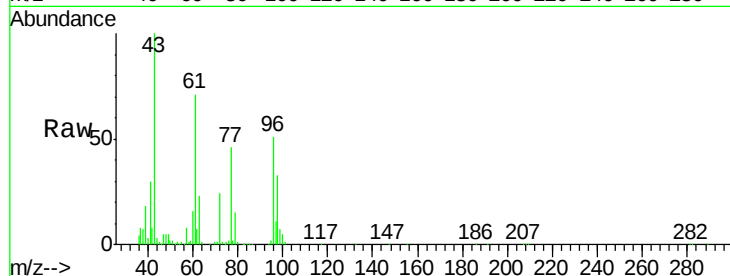
VW0213SBS01

Tot Ion: 43 Resp: 406375

Ion Ratio Lower Upper

43 100

72 24.5 19.7 29.5



#26

2,2-Dichloropropane

Concen: 52.701 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008646.D

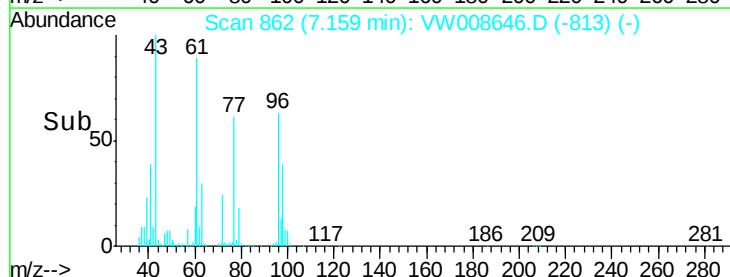
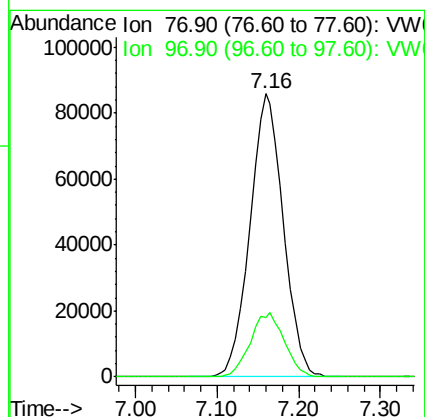
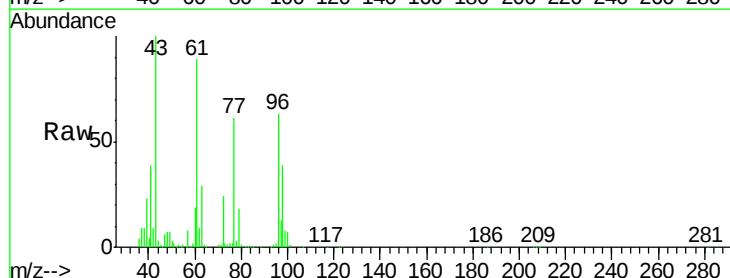
Acq: 13 Feb 2019 18:25

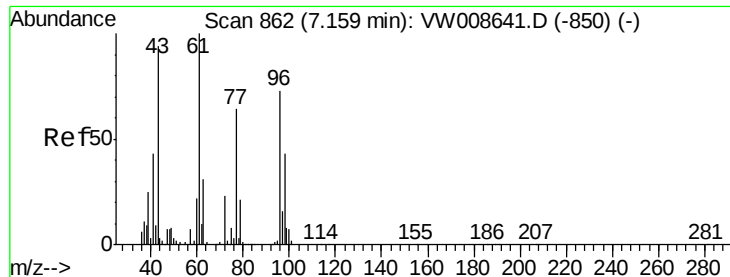
Tgt Ion: 77 Resp: 243634

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0



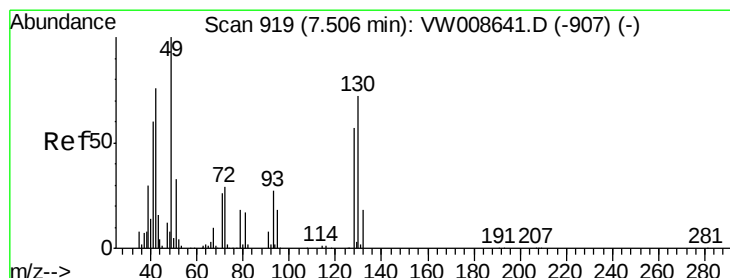
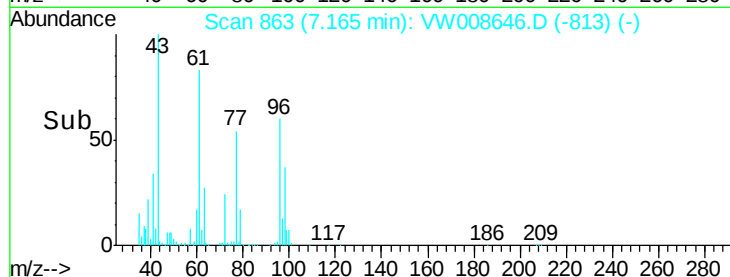
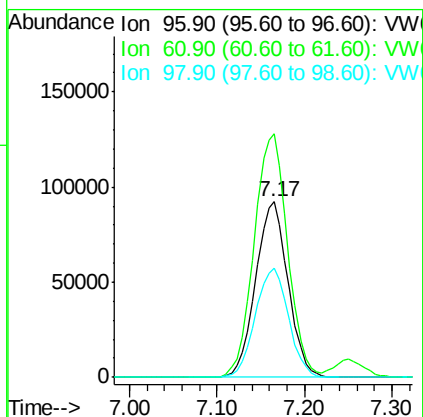
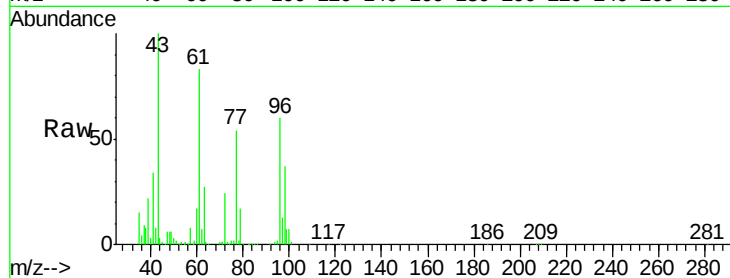


#27

cis-1,2-Dichloroethene
Concen: 52.507 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

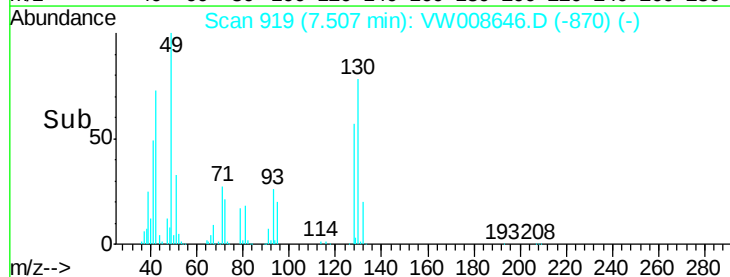
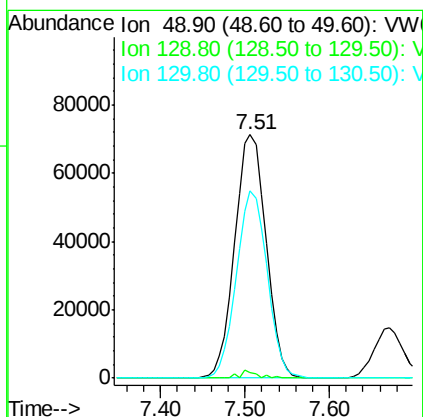
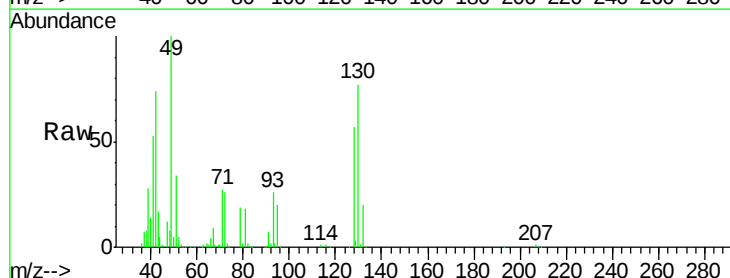
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	286.4
98	63.7	0.0	125.0

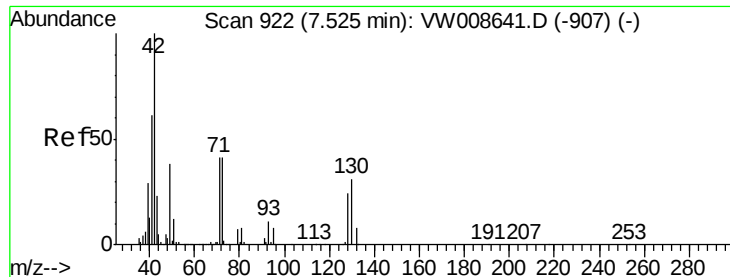


#28

Bromochloromethane
Concen: 57.550 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	75.2	59.4	89.0





#29

Tetrahydrofuran

Concen: 296.689 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

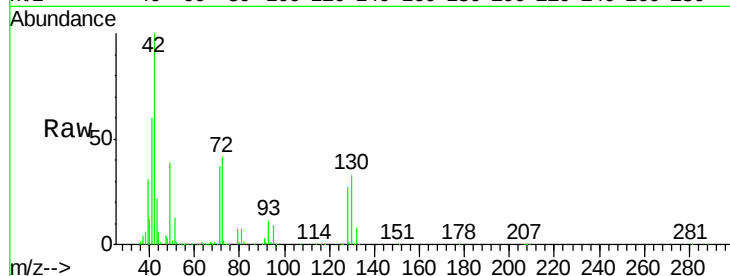
Tot Ion: 42 Resp: 256624

Ion Ratio Lower Upper

42 100

72 40.8 32.2 48.2

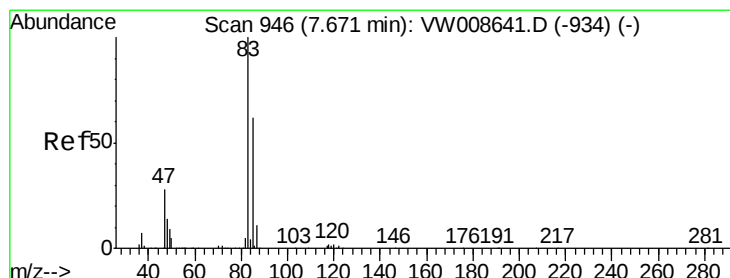
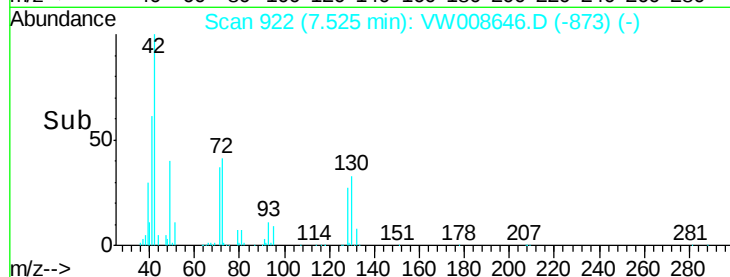
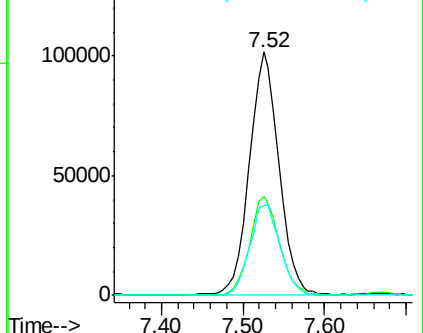
71 38.3 31.0 46.6



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: 52.642 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008646.D

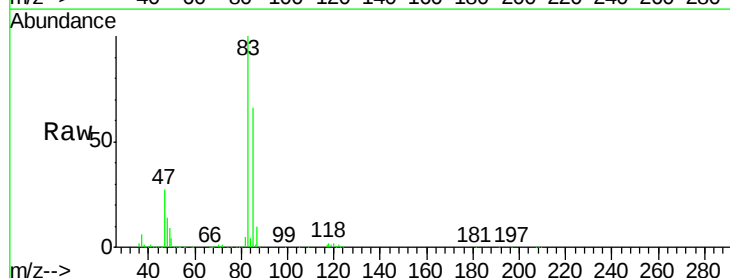
Acq: 13 Feb 2019 18:25

Tgt Ion: 83 Resp: 390339

Ion Ratio Lower Upper

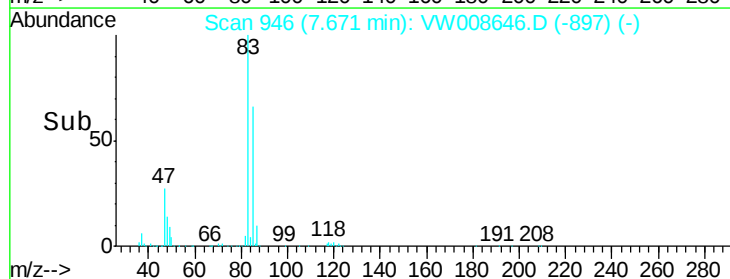
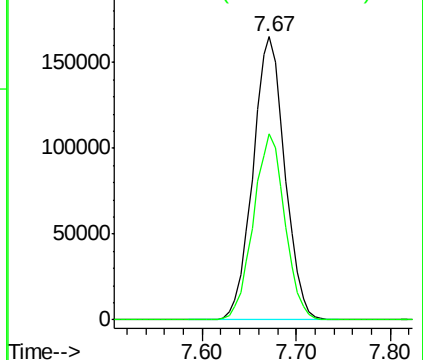
83 100

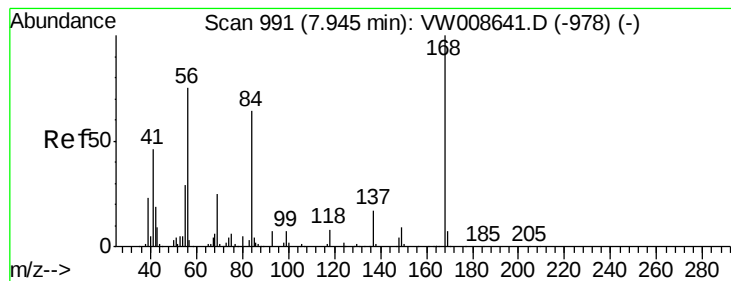
85 65.9 49.8 74.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 49.201 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampled :

VW0213SBS01

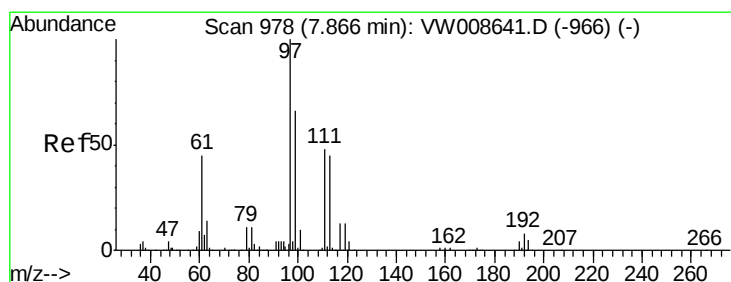
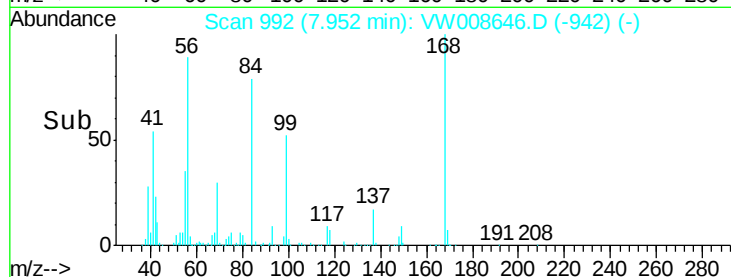
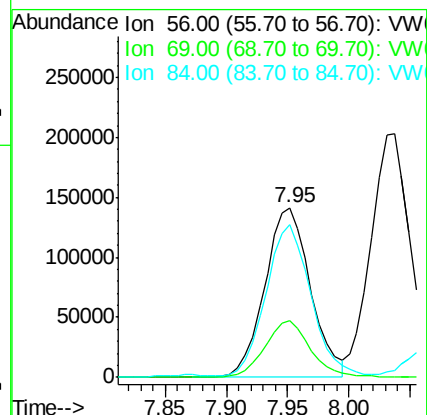
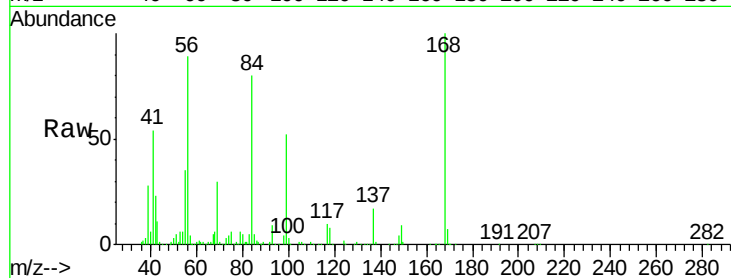
Tot Ion: 56 Resp: 367495

Ion Ratio Lower Upper

56 100

69 33.7 26.4 39.6

84 87.7 67.4 101.2



#32

1,1,1-Trichloroethane

Concen: 51.978 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

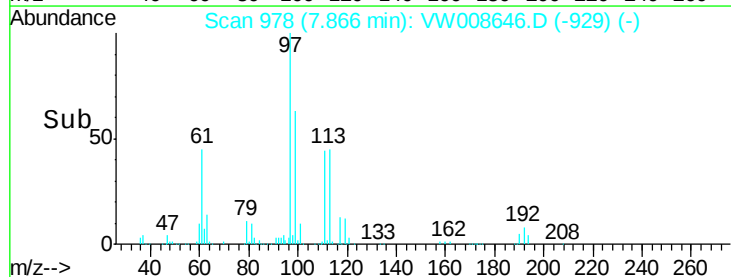
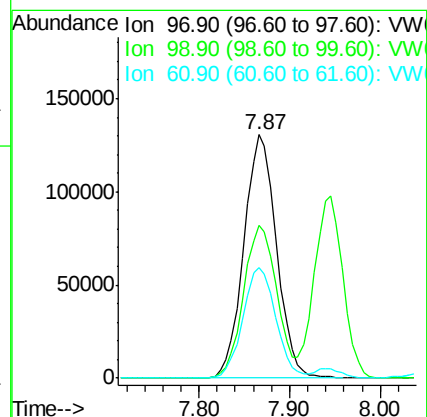
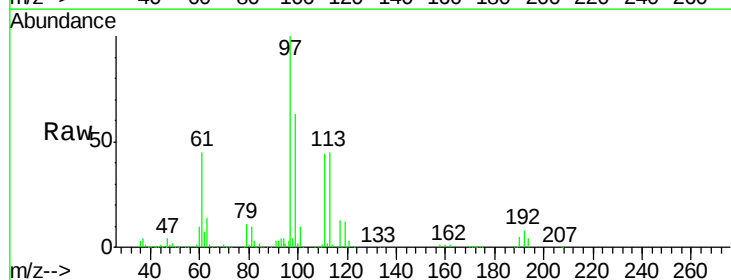
Tgt Ion: 97 Resp: 325505

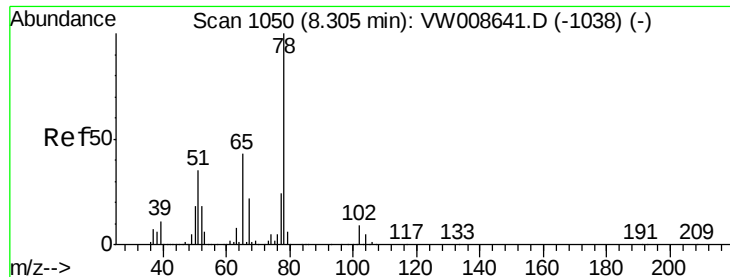
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 45.9 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 54.012 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

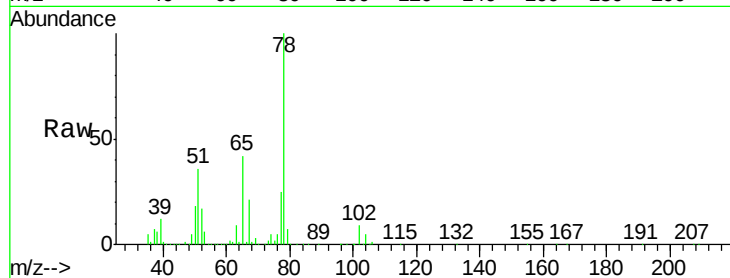
VW0213SBS01

Tot Ion: 65 Resp: 220590

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

120000

100000

80000

60000

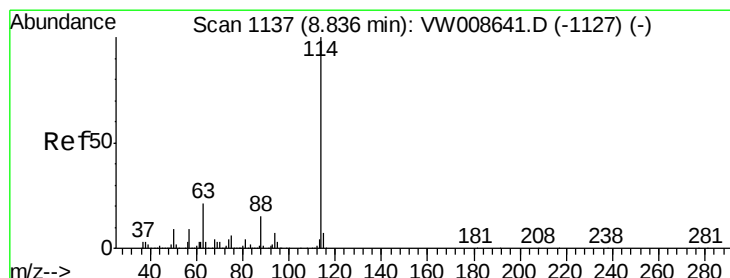
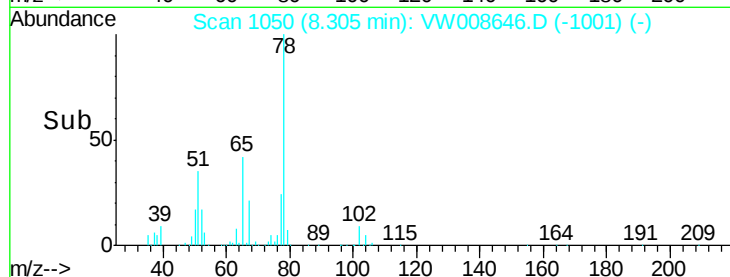
40000

20000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

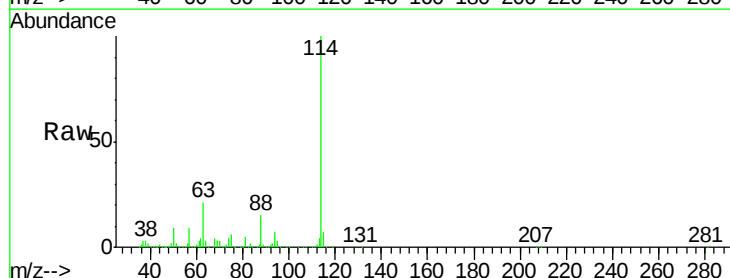
Tgt Ion: 114 Resp: 601647

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.2

88 14.9 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

400000

300000

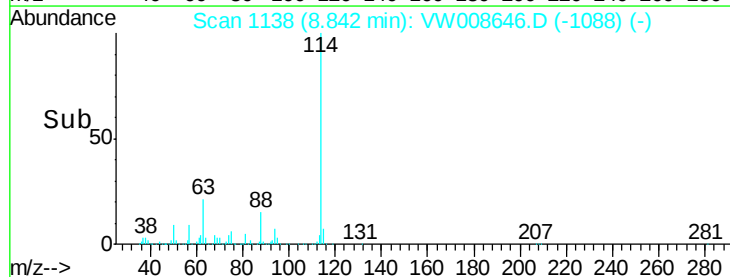
200000

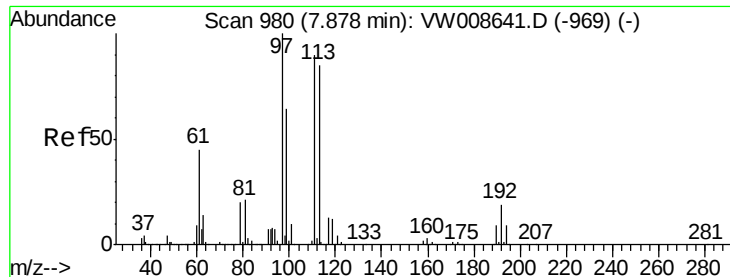
100000

0

8.80 8.84 8.90

Time-->

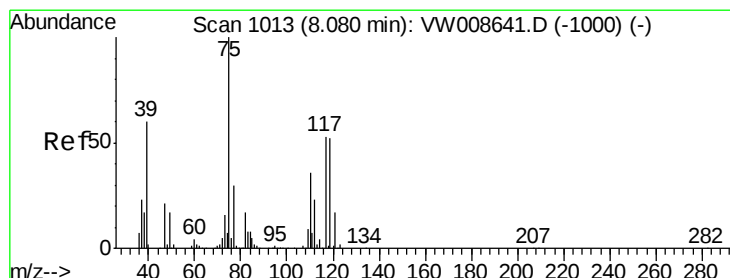
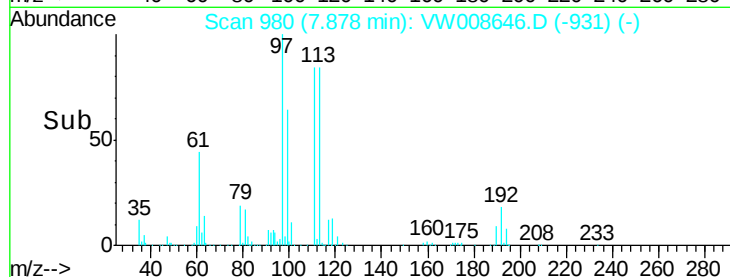
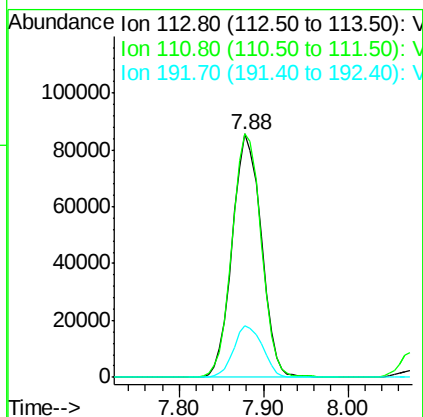
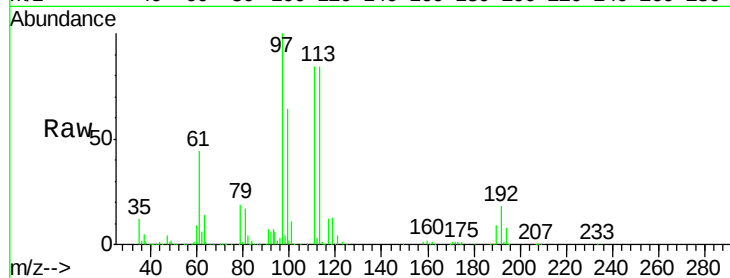




#35
 Dibromofluoromethane
 Concen: 53.448 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 18:25

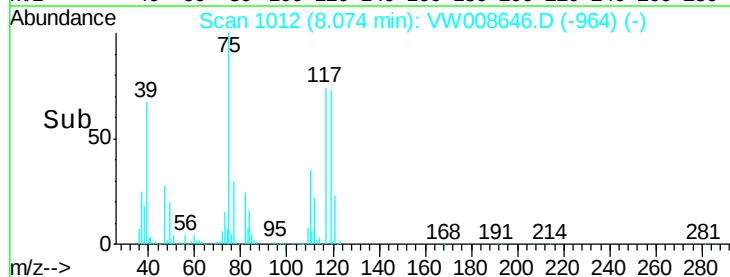
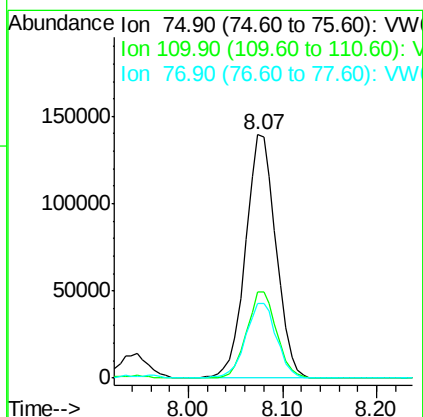
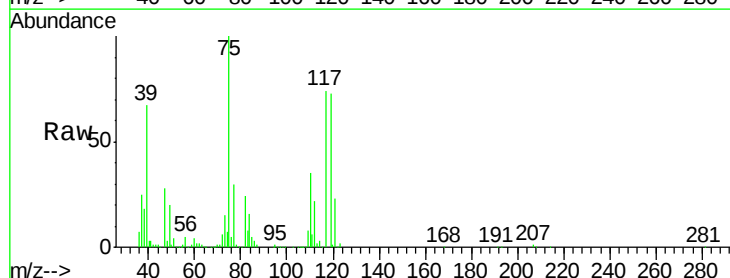
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

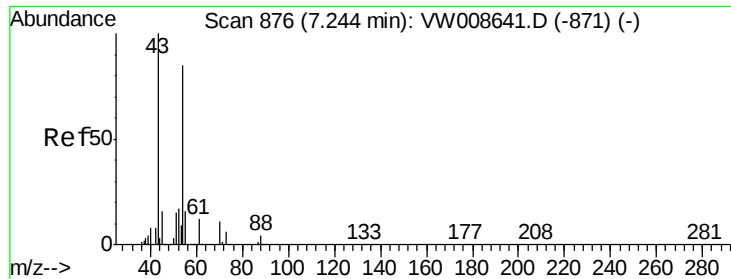
Tot Ion:113 Resp: 199673
 Ion Ratio Lower Upper
 113 100
 111 100.4 84.0 126.0
 192 21.2 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 52.294 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 18:25

Tgt Ion: 75 Resp: 316095
 Ion Ratio Lower Upper
 75 100
 110 34.8 17.8 53.3
 77 31.3 24.7 37.1

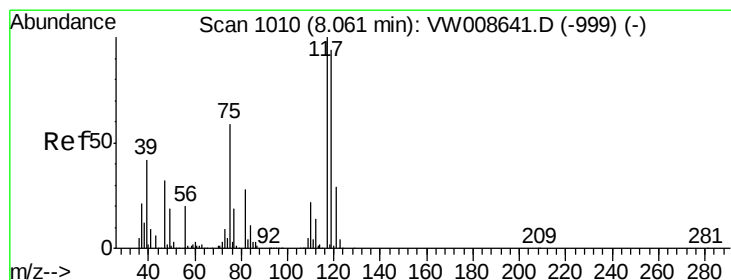
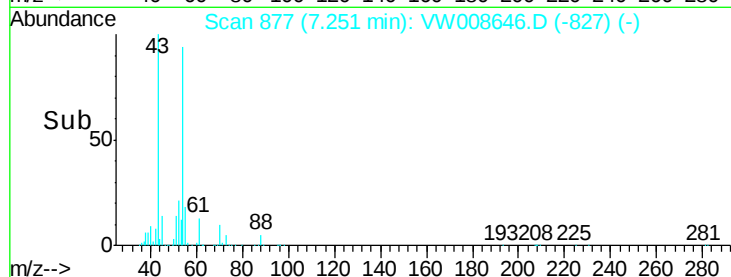
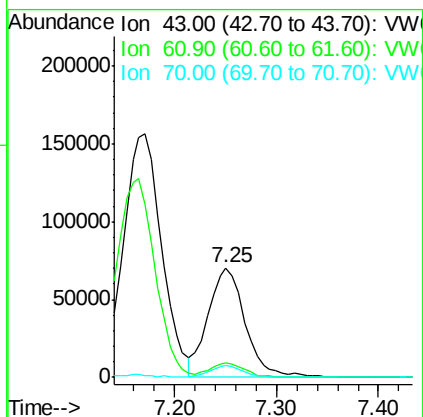
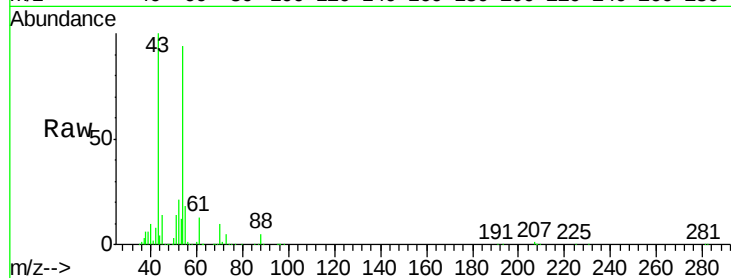




#37
Ethyl Acetate
Concen: 60.528 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

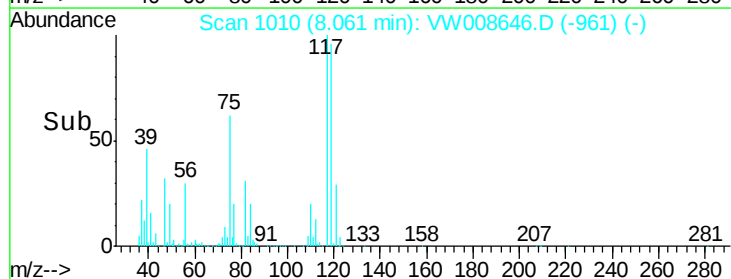
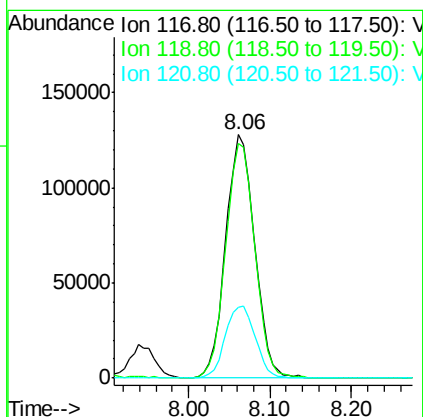
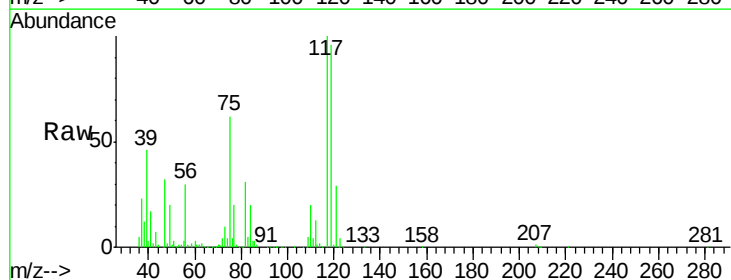
Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

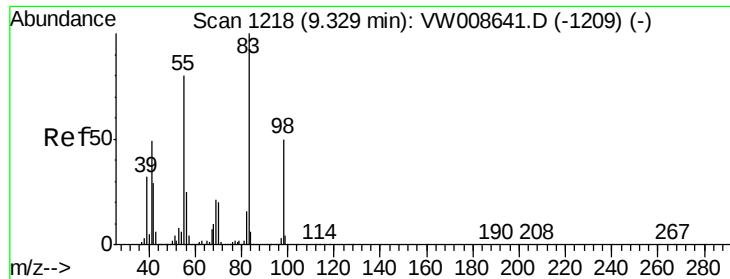
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.5	15.7
70	9.9	8.1	12.1



#38
Carbon Tetrachloride
Concen: 52.414 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.1	112.7
121	29.3	23.5	35.3

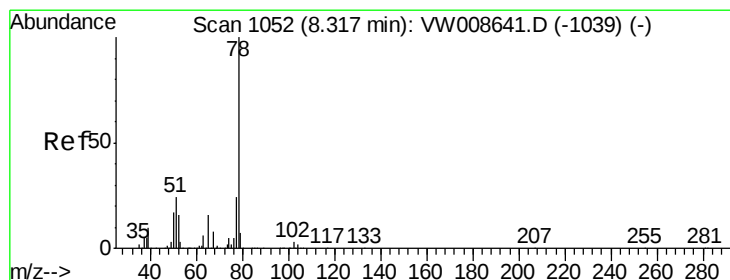
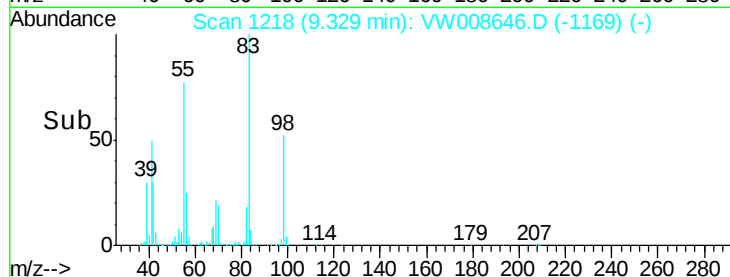
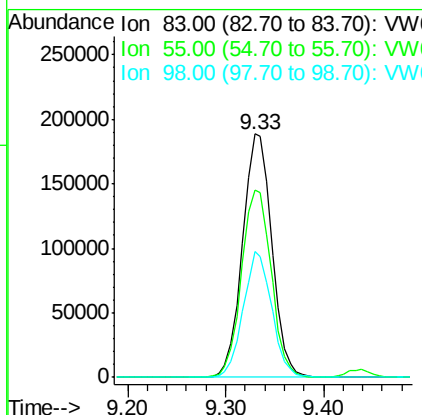
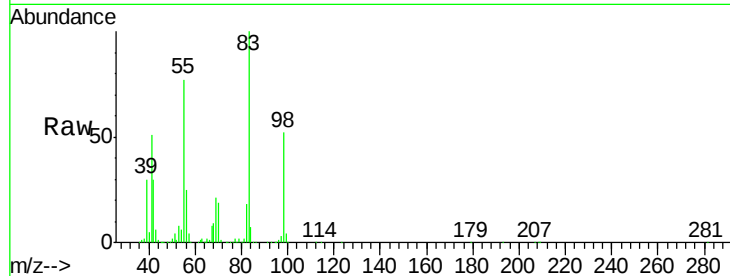




#39
Methvlcvclohexane
Concen: 51.266 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

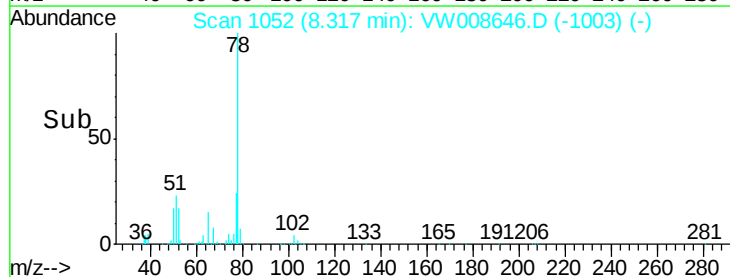
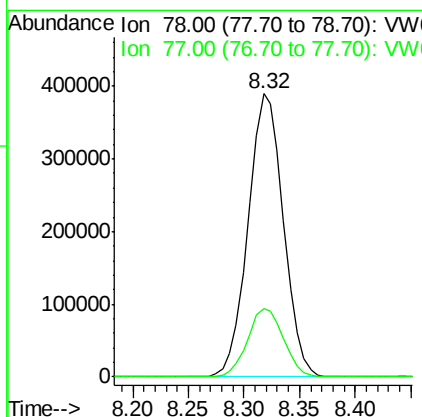
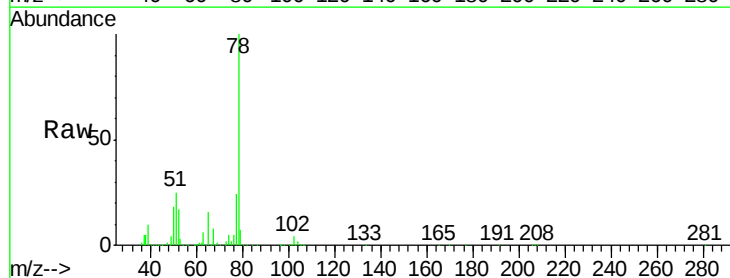
Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

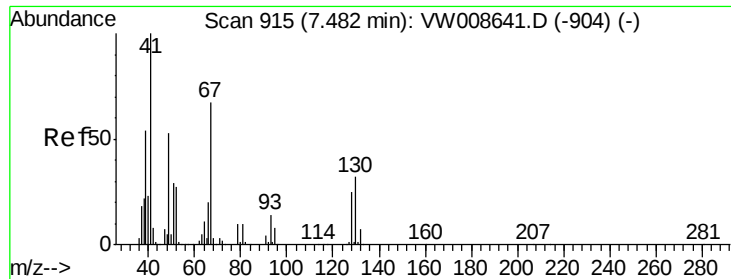
Tot Ion: 83 Resp: 391953
Ion Ratio Lower Upper
83 100
55 76.8 63.9 95.9
98 51.8 40.2 60.2



#40
Benzene
Concen: 51.978 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion: 78 Resp: 858068
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3

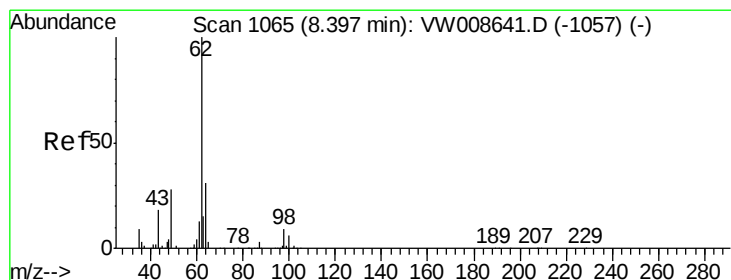
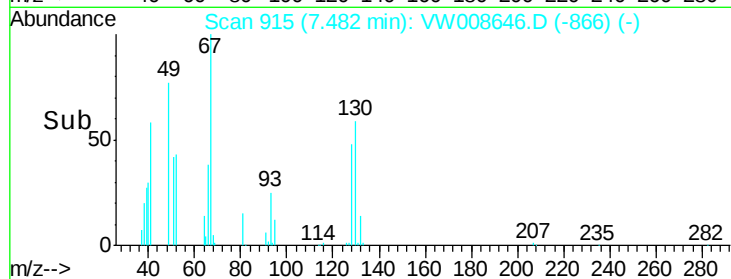
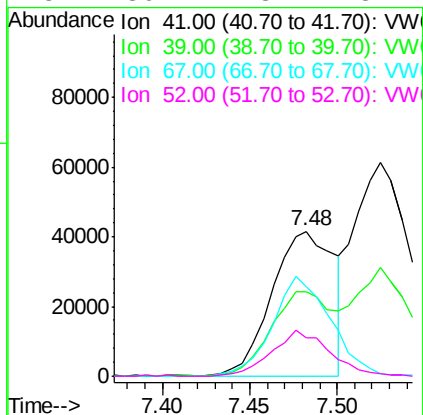
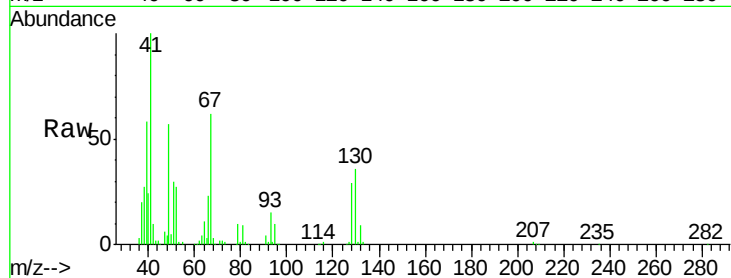




#41
Methacrylonitrile
Concen: 62.921 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

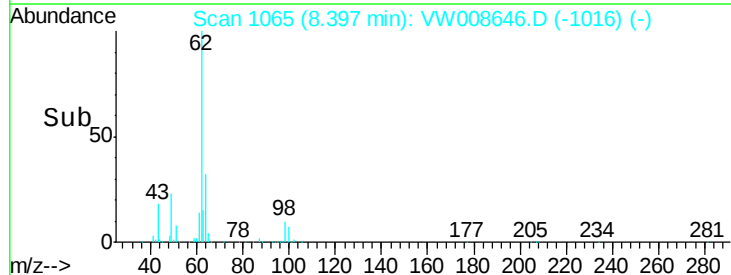
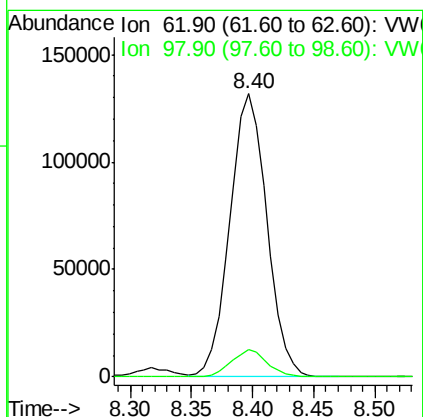
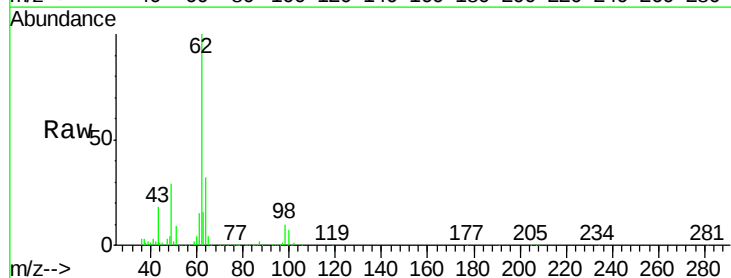
Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

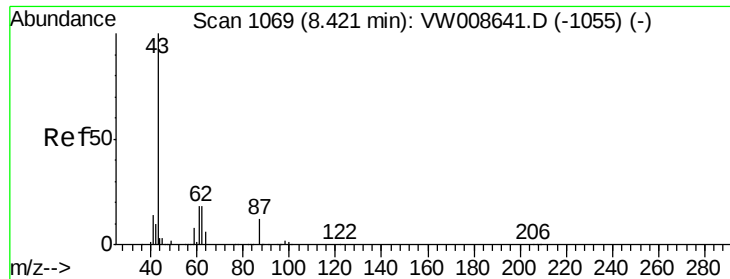
Tot Ion:	41	Resp:	103226
Ion	Ratio	Lower	Upper
41	100		
39	57.4	39.7	59.5
67	64.4	52.5	78.7
52	30.1	23.1	34.7



#42
1,2-Dichloroethane
Concen: 53.968 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion:	62	Resp:	276351
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43

Isopropyl Acetate

Concen: 59.284 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

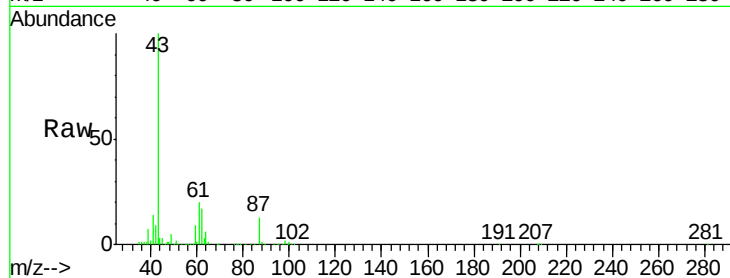
Tot Ion: 43 Resp: 344689

Ion Ratio Lower Upper

43 100

61 27.2 21.4 32.2

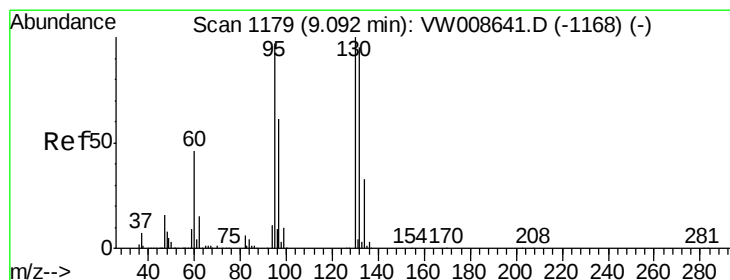
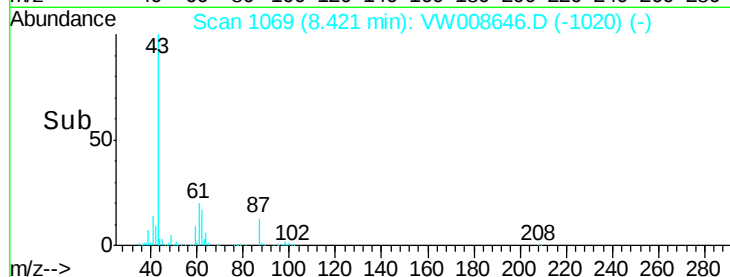
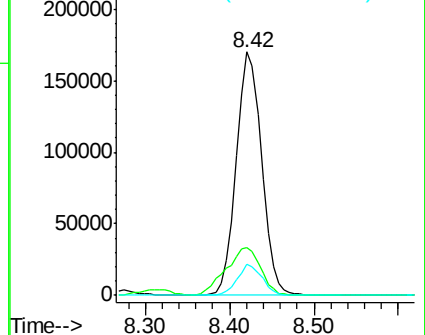
87 12.2 9.8 14.8



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: 51.796 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008646.D

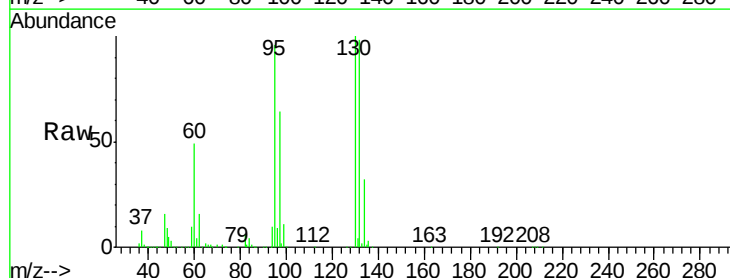
Acq: 13 Feb 2019 18:25

Tgt Ion: 130 Resp: 237081

Ion Ratio Lower Upper

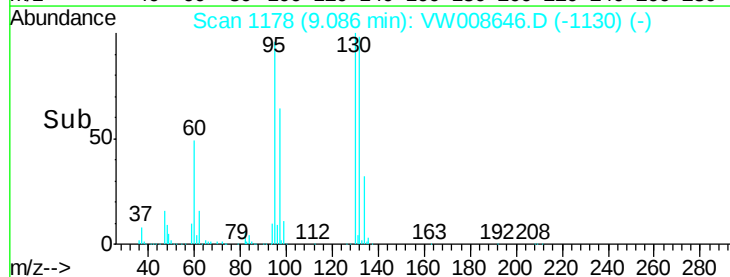
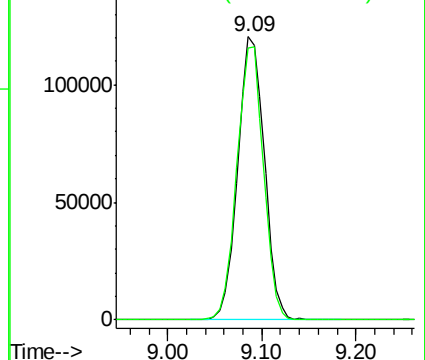
130 100

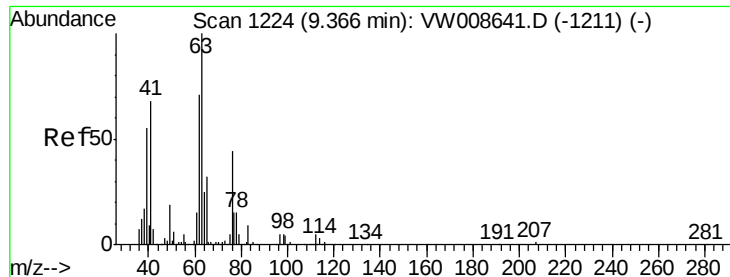
95 96.2 0.0 193.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

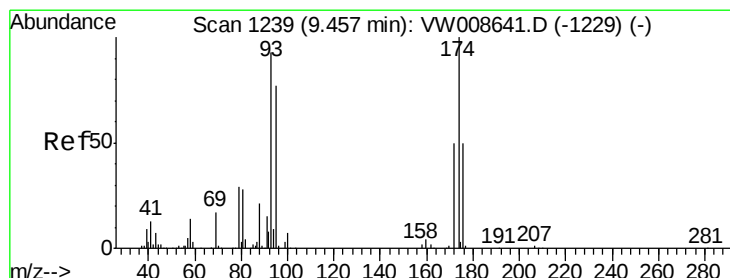
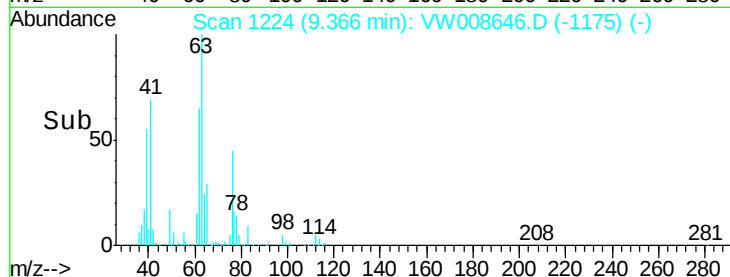
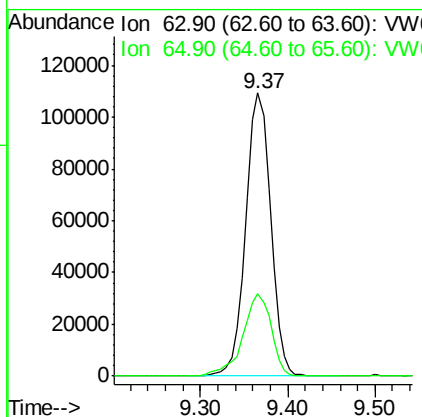
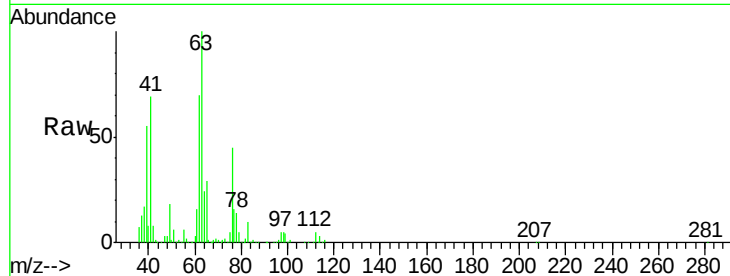




#45
 1,2-Dichloropropane
 Concen: 53.105 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 18:25

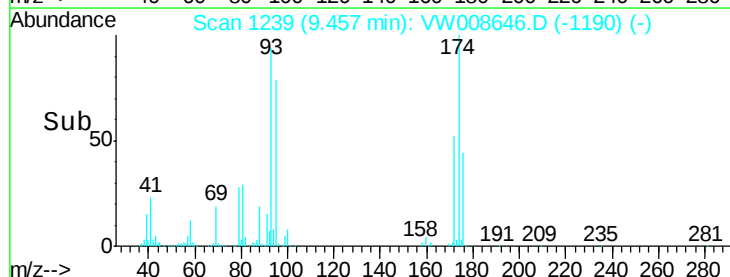
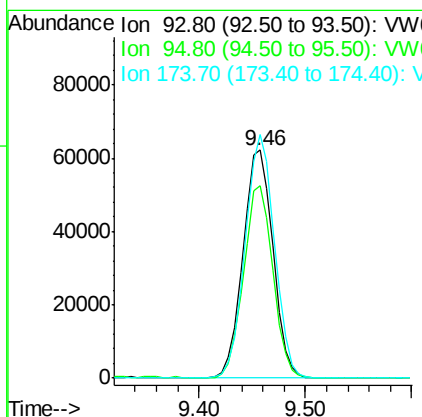
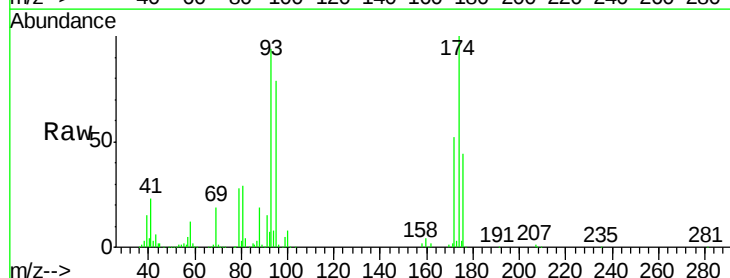
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

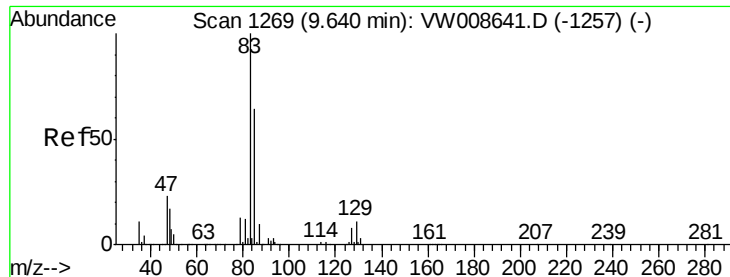
Tot Ion: 63 Resp: 216964
 Ion Ratio Lower Upper
 63 100
 65 29.2 25.4 38.0



#46
 Dibromomethane
 Concen: 54.862 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 18:25

Tgt Ion: 93 Resp: 123471
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.8 98.8
 174 104.2 82.5 123.7





#47

Bromodichloromethane

Concen: 54.104 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

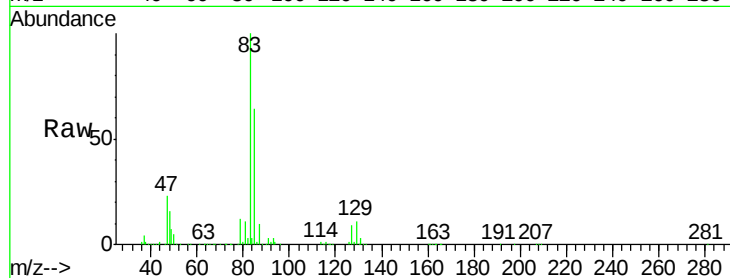
Tot Ion: 83 Resp: 292638

Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8

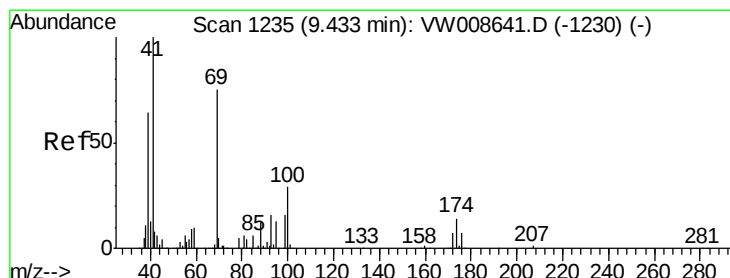
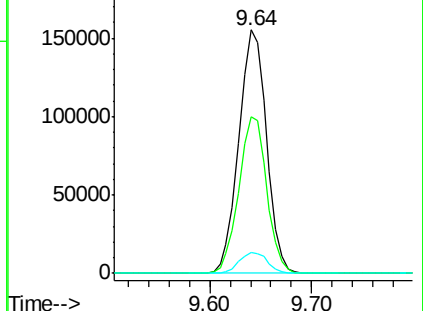
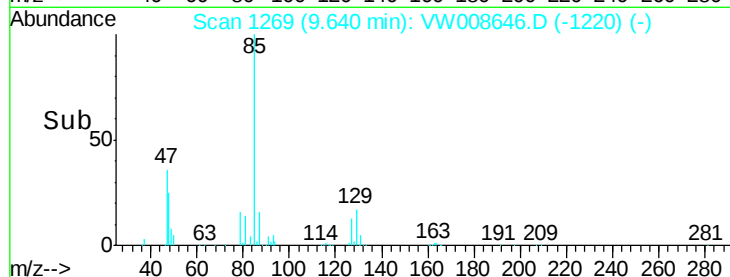
127 8.6 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 58.907 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

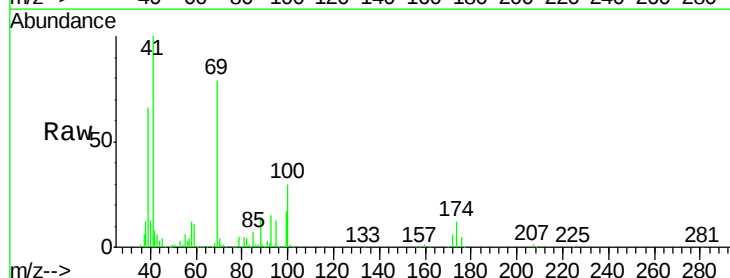
Tgt Ion: 41 Resp: 158723

Ion Ratio Lower Upper

41 100

69 82.2 64.1 96.1

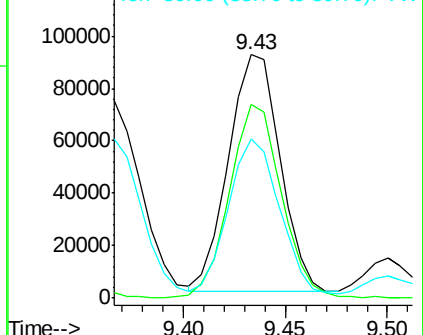
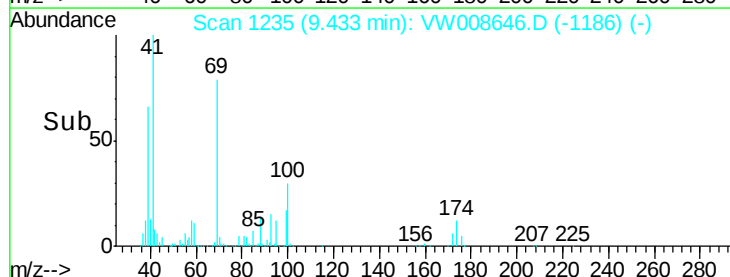
39 64.7 52.3 78.5

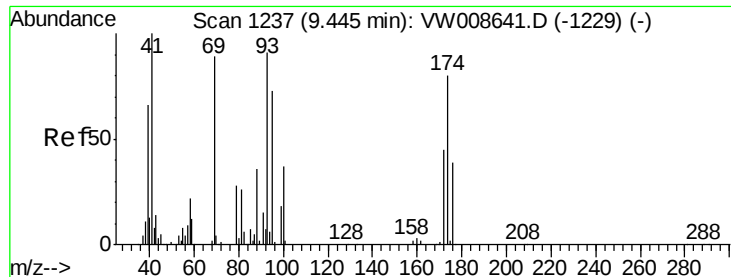


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1160.410 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

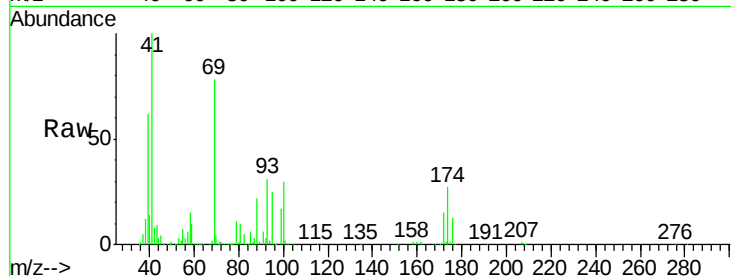
Tot Ion: 88 Resp: 41687

Ion Ratio Lower Upper

88 100

43 34.4 31.0 46.6

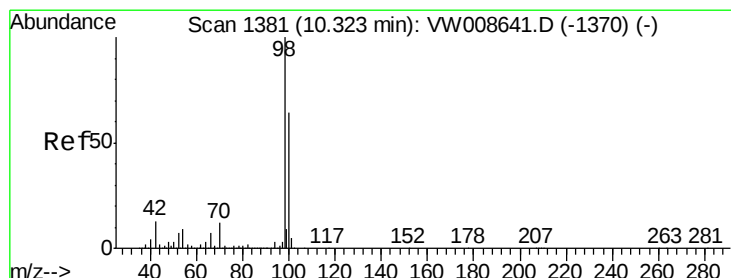
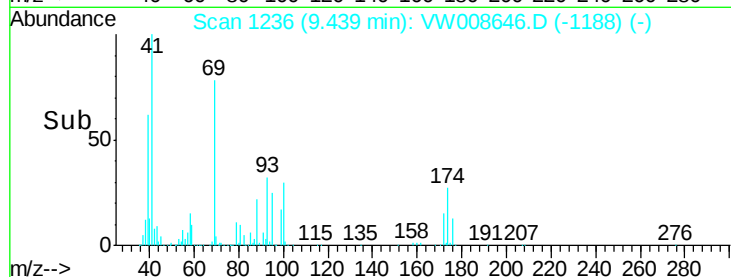
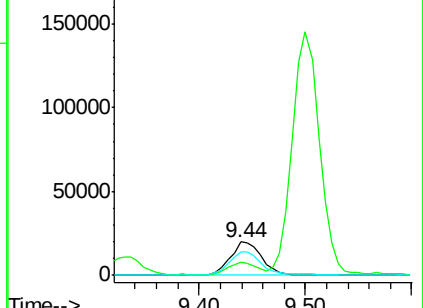
58 71.0 57.0 85.6



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: 51.781 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008646.D

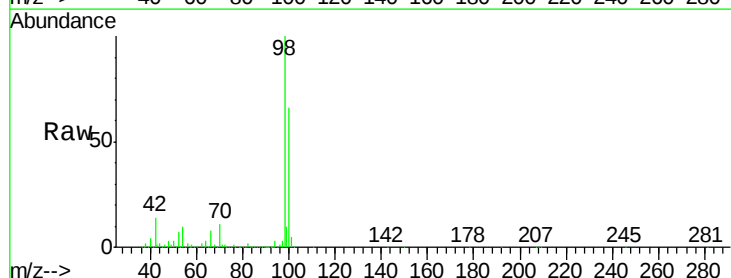
Acq: 13 Feb 2019 18:25

Tgt Ion: 98 Resp: 745710

Ion Ratio Lower Upper

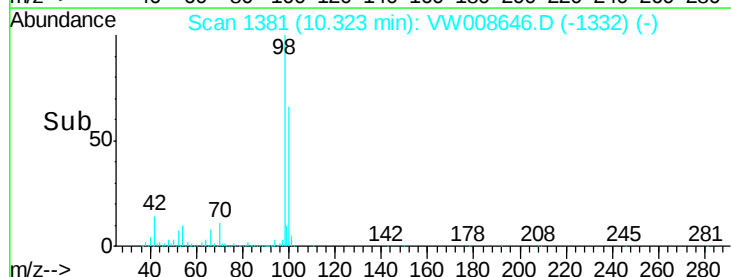
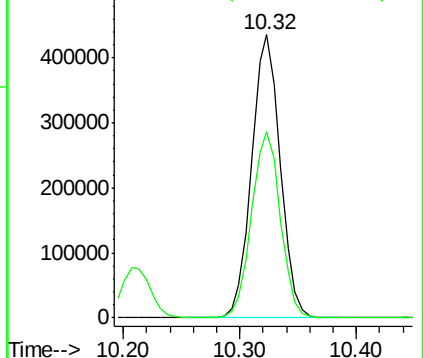
98 100

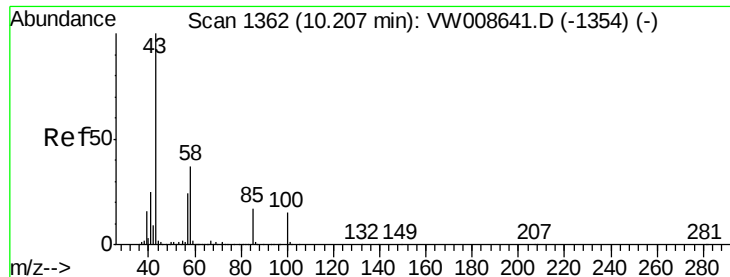
100 66.2 52.2 78.4



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: 300.619 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampled :

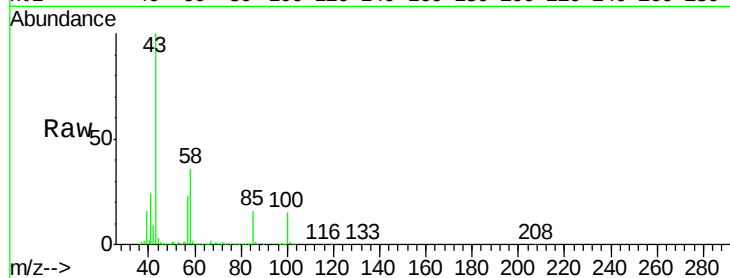
VW0213SBS01

Tot Ion: 43 Resp: 897854

Ion Ratio Lower Upper

43 100

58 36.8 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

500000

400000

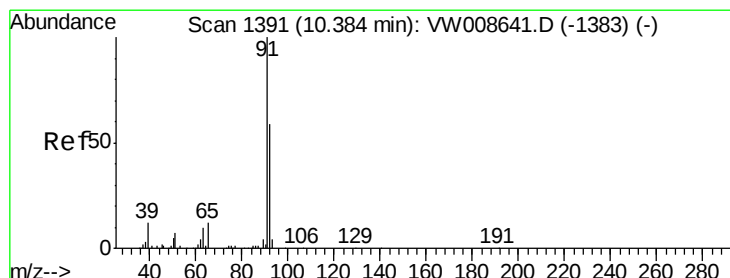
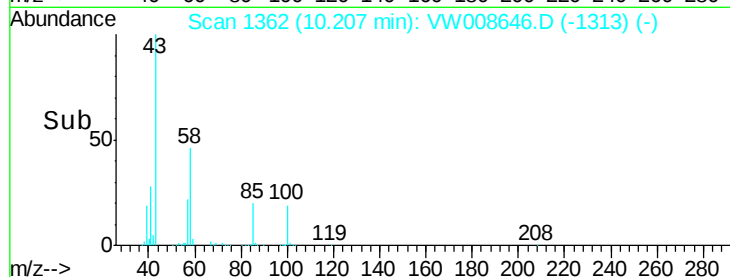
300000

200000

100000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 52.335 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008646.D

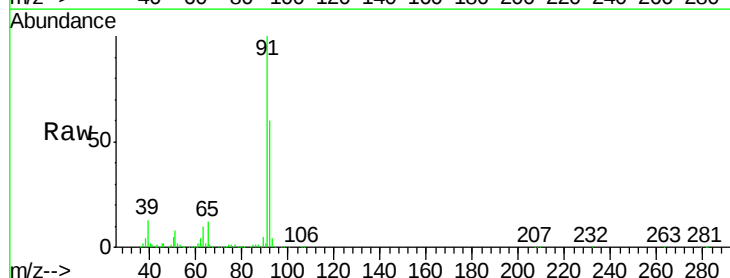
Acq: 13 Feb 2019 18:25

Tgt Ion: 92 Resp: 557360

Ion Ratio Lower Upper

92 100

91 170.1 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

600000

500000

400000

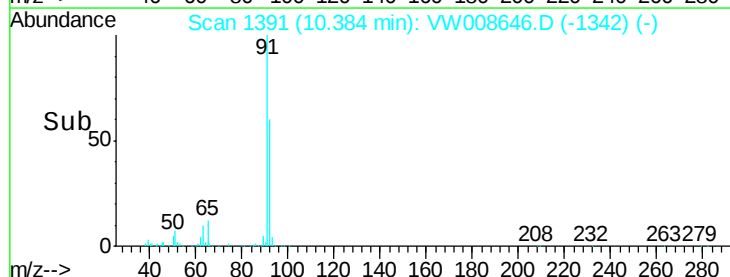
300000

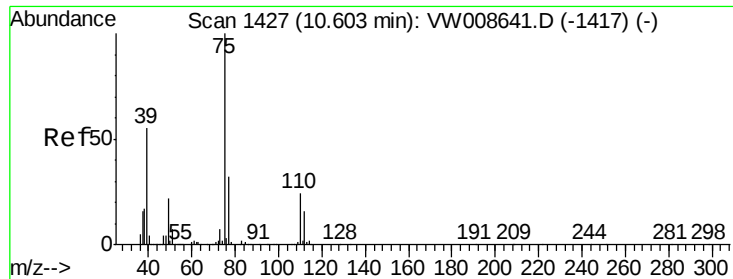
200000

100000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 55.076 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

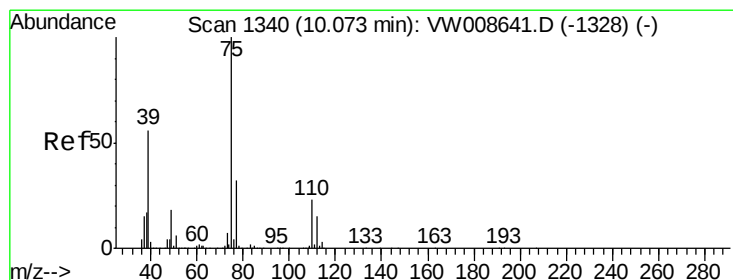
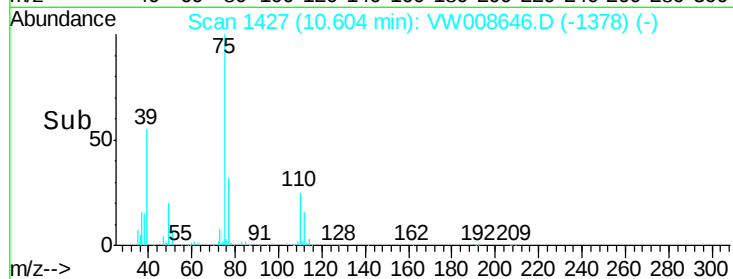
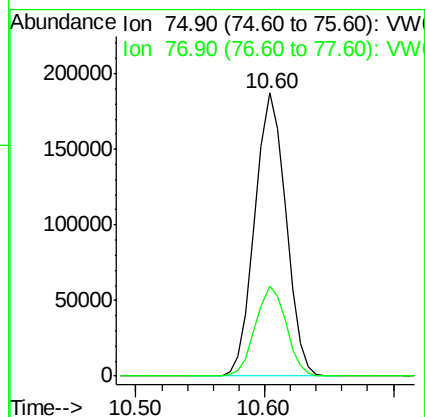
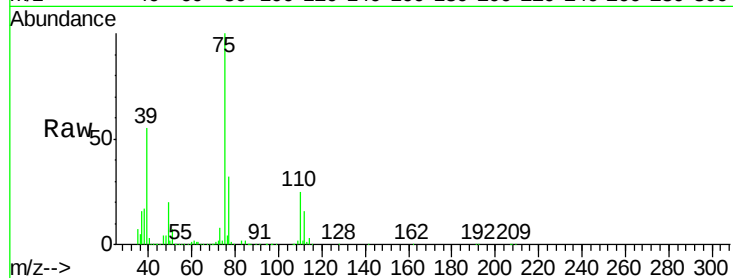
VW0213SBS01

Tot Ion: 75 Resp: 312952

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 54.445 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

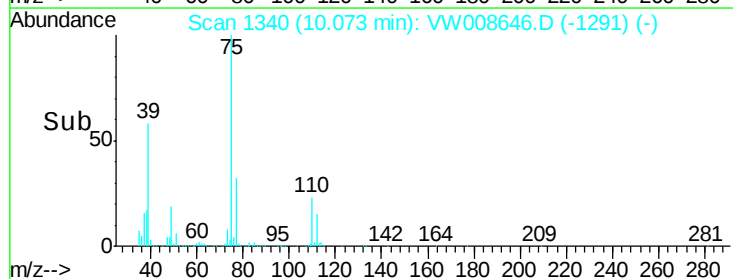
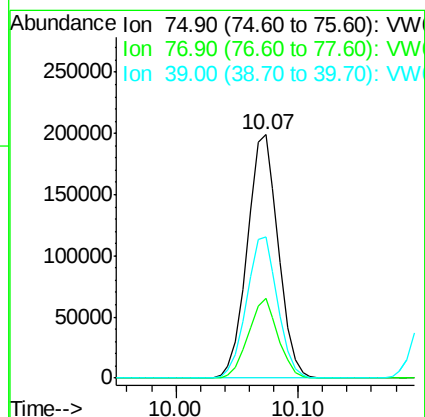
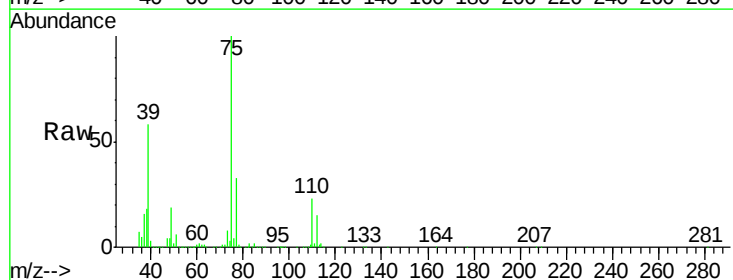
Tgt Ion: 75 Resp: 350692

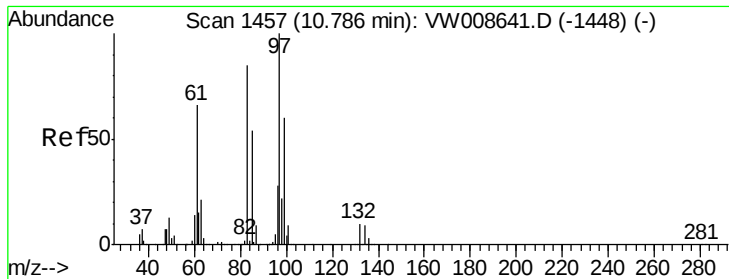
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

39 57.8 44.5 66.7

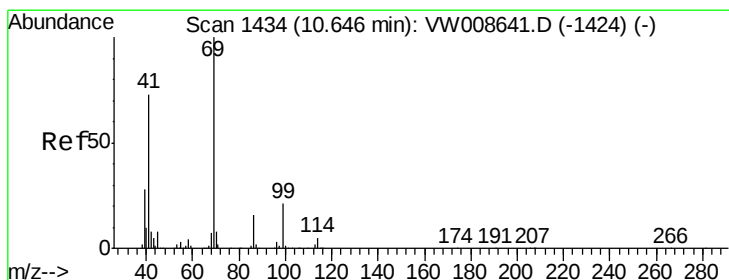
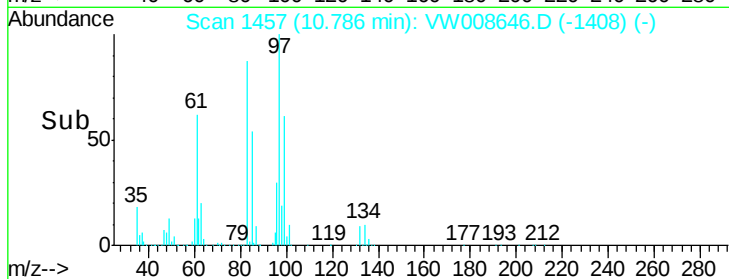
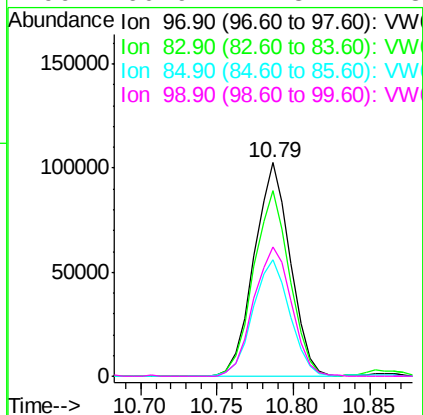
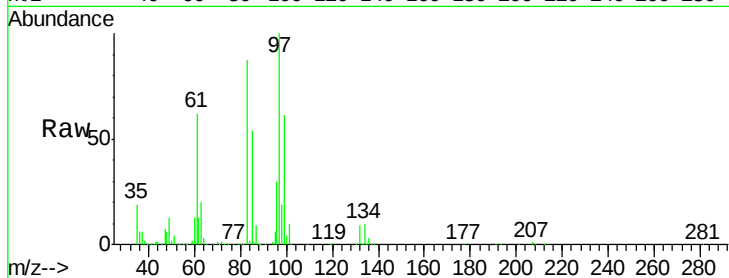




#55
 1,1,2-Trichloroethane
 Concen: 54.687 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 18:25

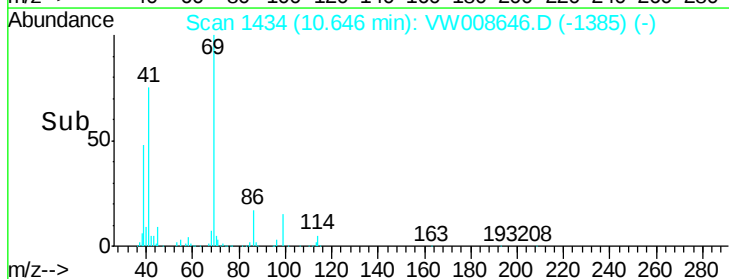
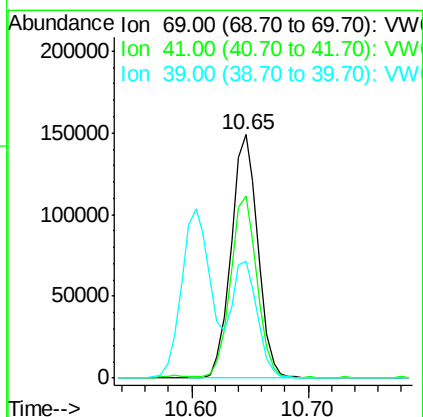
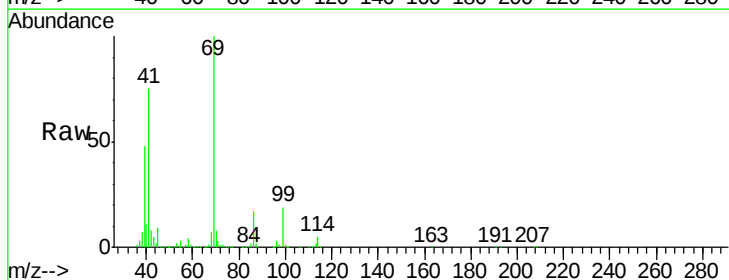
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

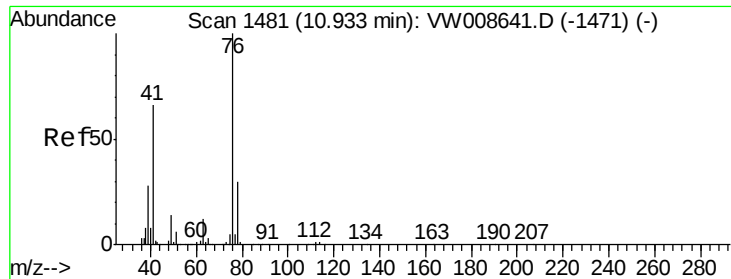
Tot Ion	97	Resp	168878
Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.4	102.6
85	54.4	43.1	64.7
99	60.9	47.8	71.8



#56
 Ethyl methacrylate
 Concen: 57.942 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 18:25

Tgt Ion	69	Resp	237593
Ion	Ratio	Lower	Upper
69	100		
41	73.9	59.0	88.4
39	44.6	34.4	51.6





#57

1,3-Dichloropropane

Concen: 54.660 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

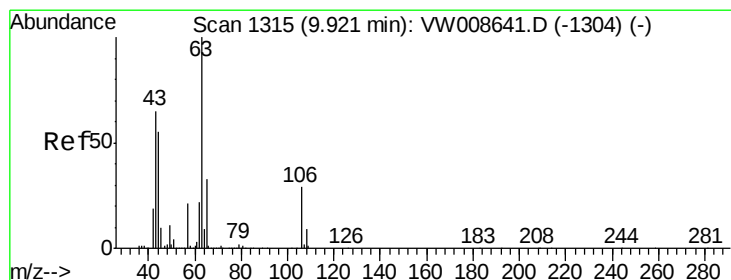
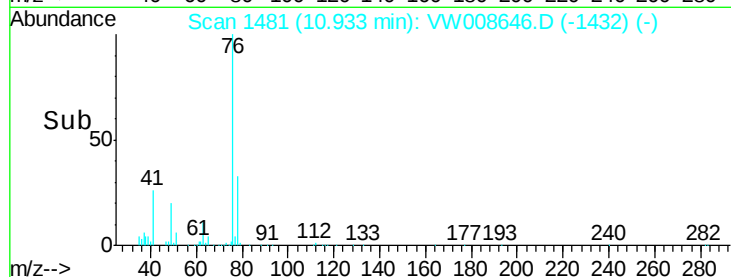
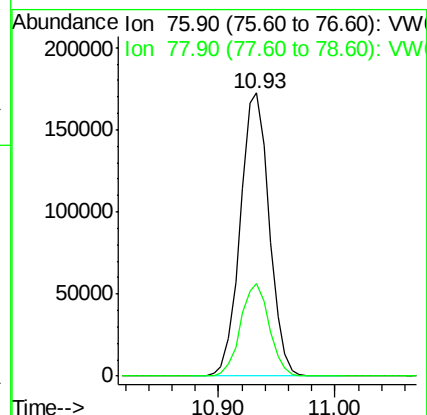
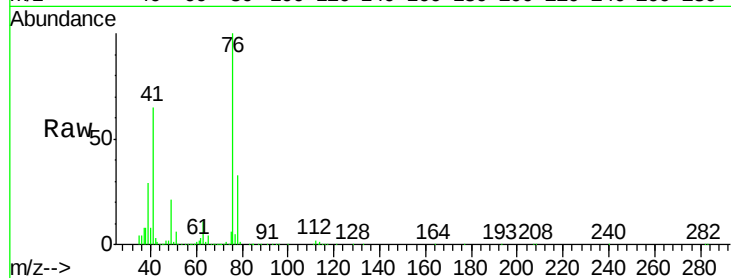
VW0213SBS01

Tot Ion: 76 Resp: 299484

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 293.227 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW008646.D

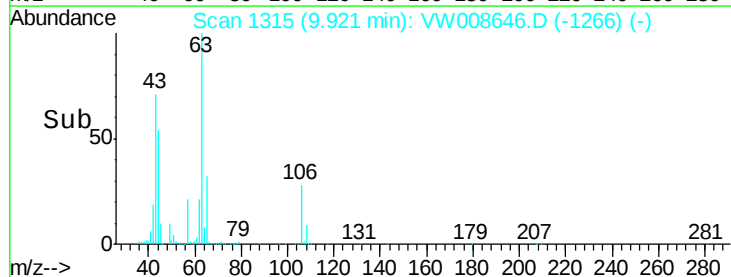
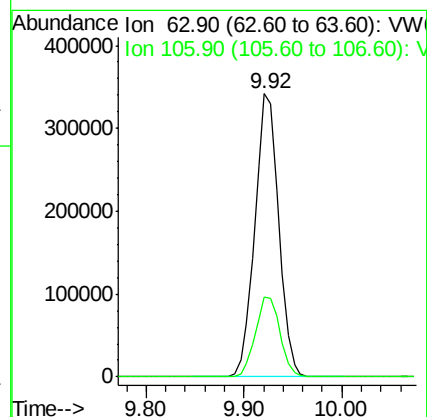
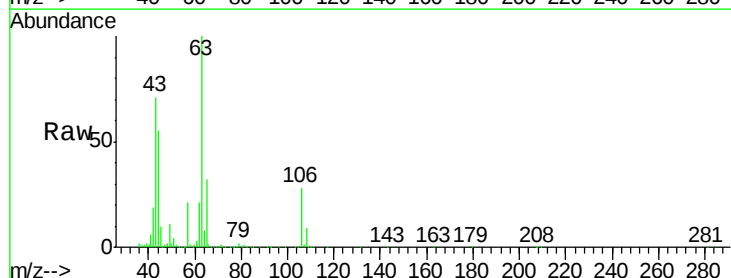
Acq: 13 Feb 2019 18:25

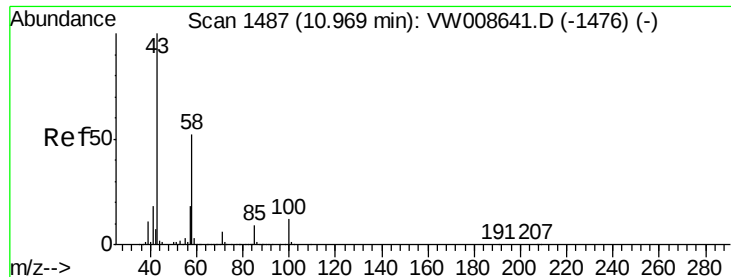
Tgt Ion: 63 Resp: 576789

Ion Ratio Lower Upper

63 100

106 29.1 23.4 35.2

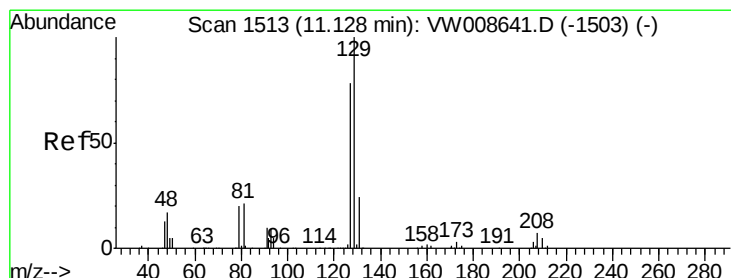
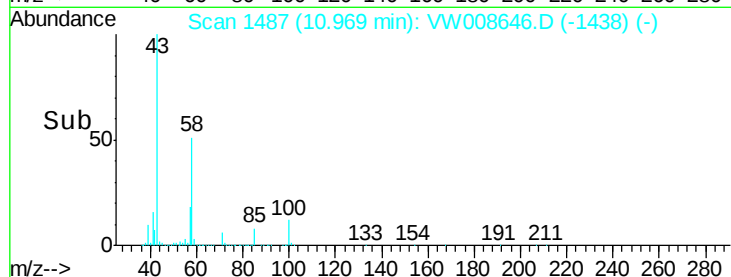
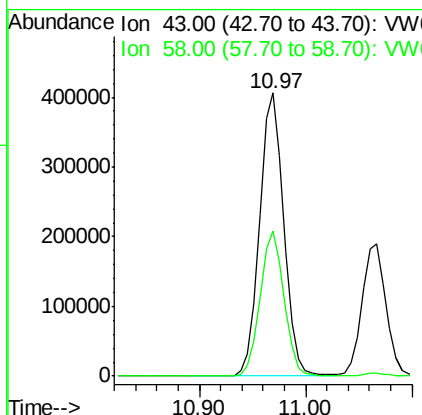
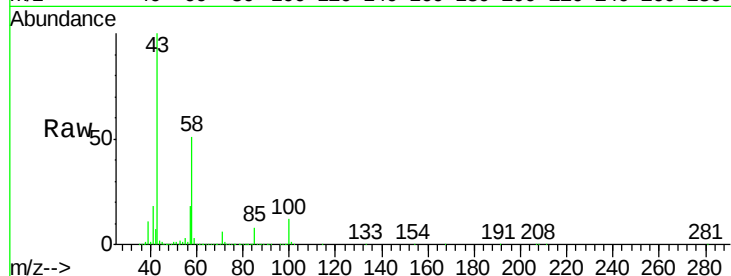




#59
2-Hexanone
Concen: 308.949 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

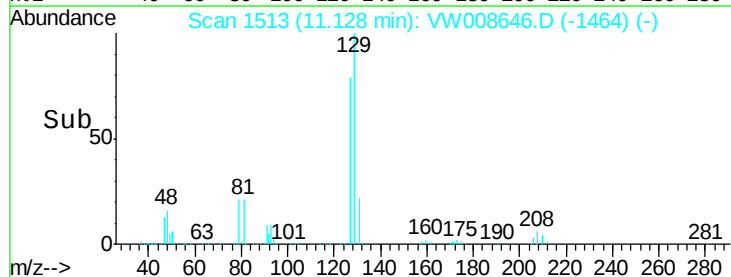
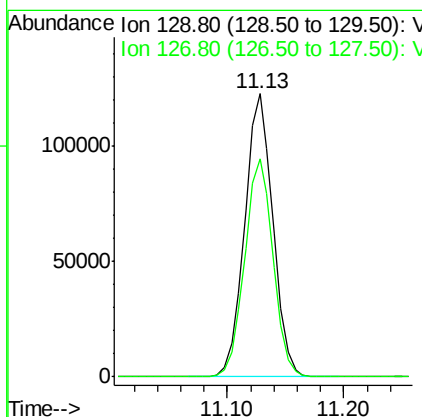
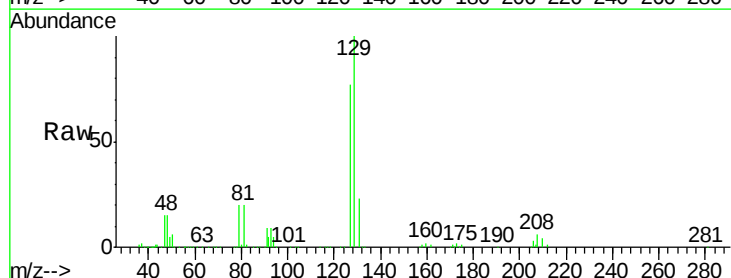
Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

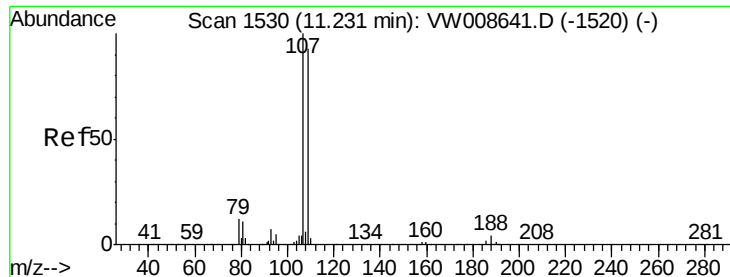
Tot Ion: 43 Resp: 648218
Ion Ratio Lower Upper
43 100
58 50.5 25.6 76.6



#60
Dibromochloromethane
Concen: 56.034 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion: 129 Resp: 207040
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 55.476 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

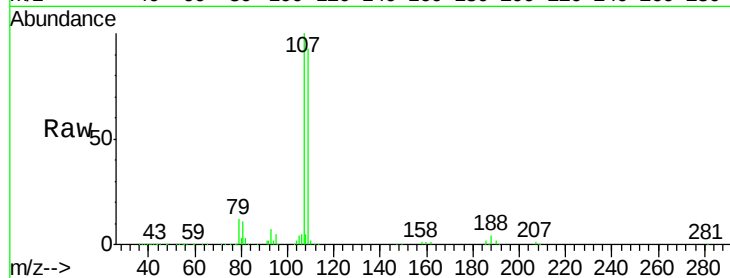
VW0213SBS01

Tot Ion: 107 Resp: 168676

Ion Ratio Lower Upper

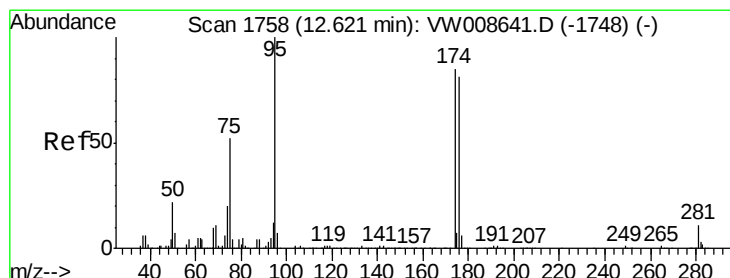
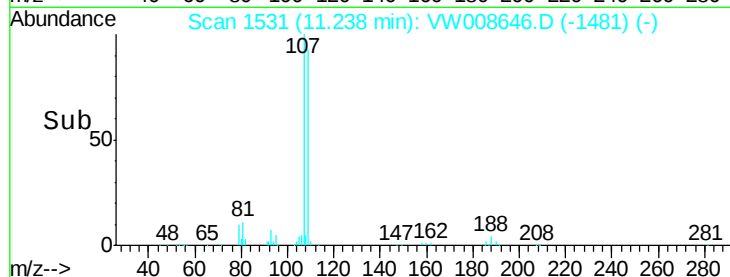
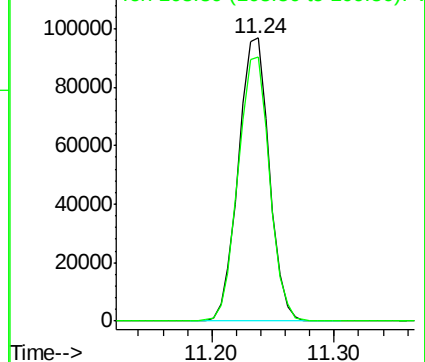
107 100

109 95.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.649 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

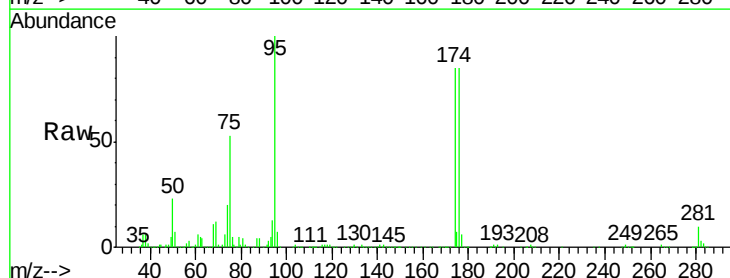
Tgt Ion: 95 Resp: 280168

Ion Ratio Lower Upper

95 100

174 82.5 0.0 163.2

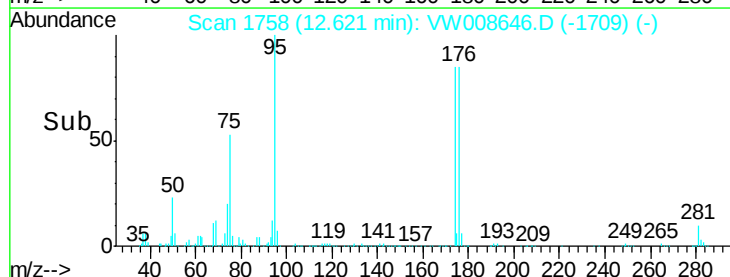
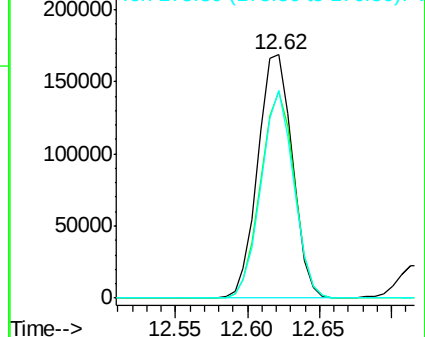
176 80.6 0.0 158.0

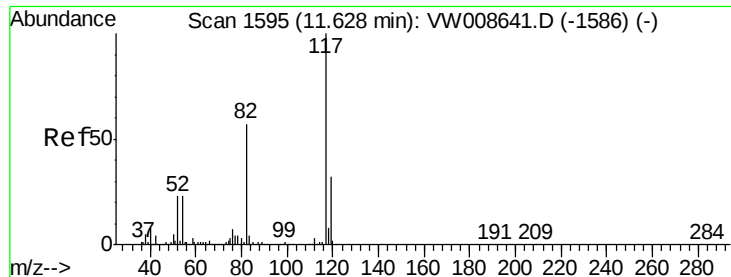


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

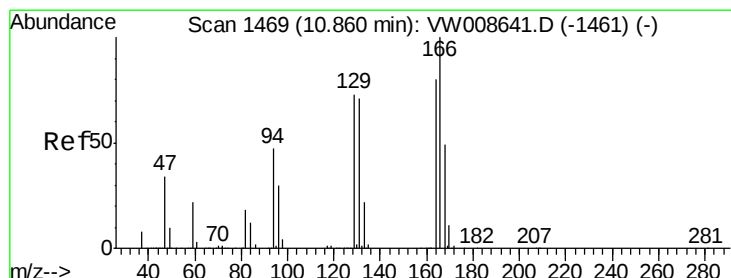
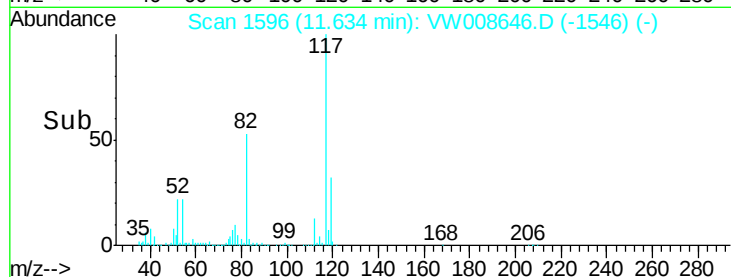
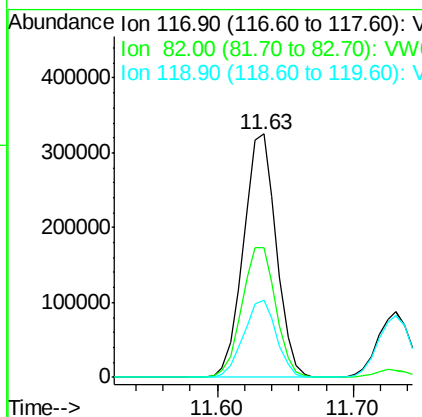
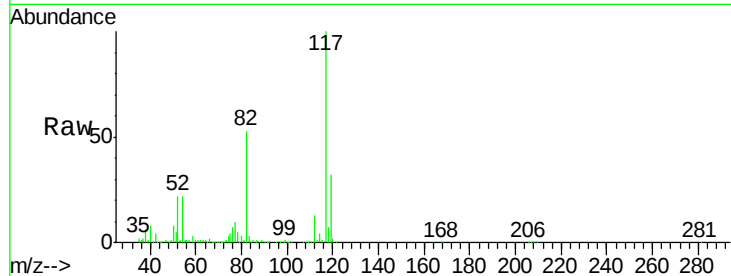




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

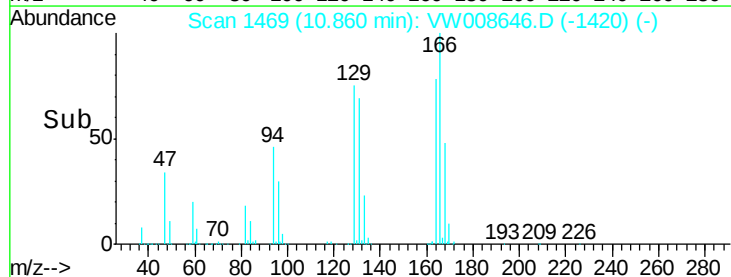
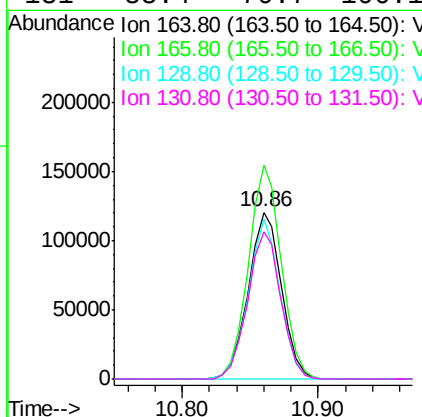
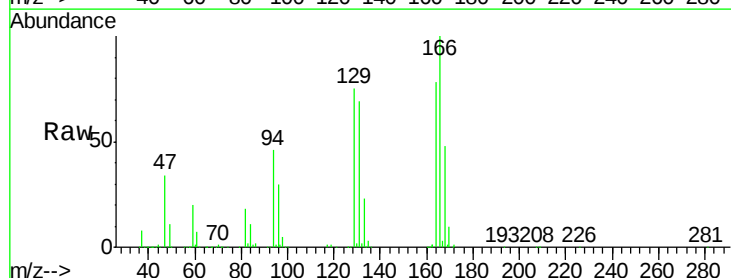
Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

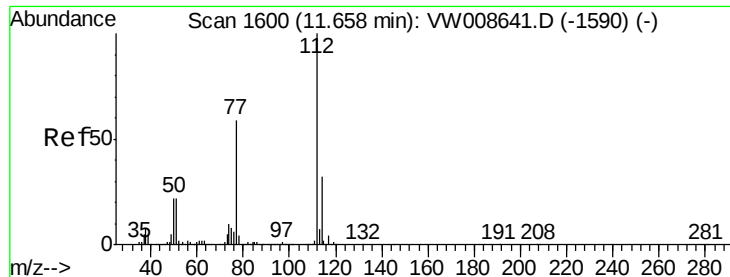
Tot Ion:117 Resp: 549220
Ion Ratio Lower Upper
117 100
82 53.3 45.6 68.4
119 31.8 25.7 38.5



#64
Tetrachloroethene
Concen: 50.337 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion:164 Resp: 205589
Ion Ratio Lower Upper
164 100
166 128.3 100.2 150.2
129 96.1 73.6 110.4
131 88.4 70.7 106.1





#65

Chlorobenzene

Concen: 51.644 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

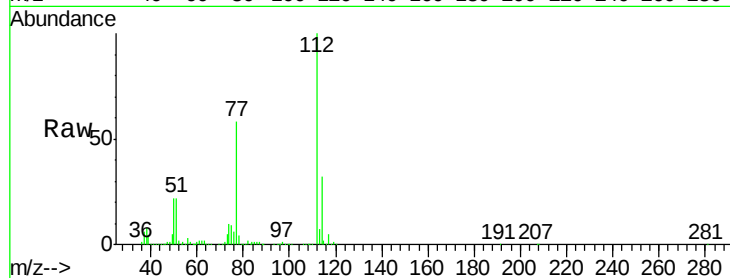
VW0213SBS01

Tot Ion:112 Resp: 611343

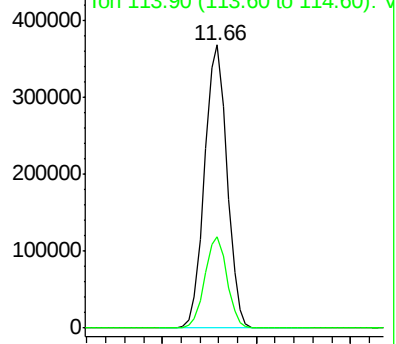
Ion Ratio Lower Upper

112 100

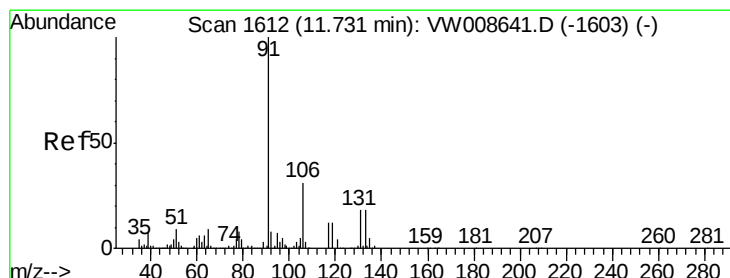
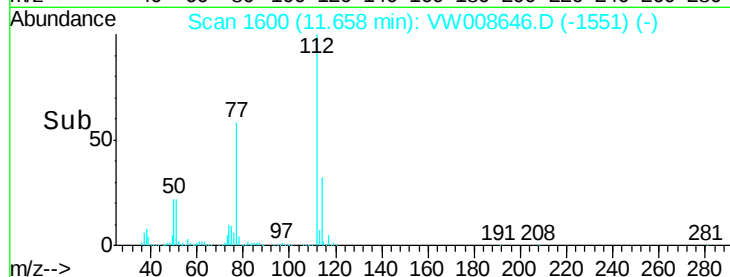
114 32.4 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.909 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

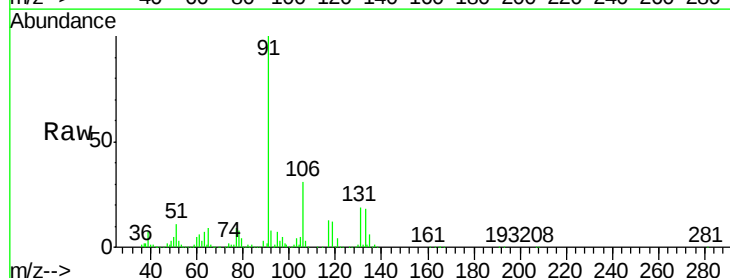
Tgt Ion:131 Resp: 217681

Ion Ratio Lower Upper

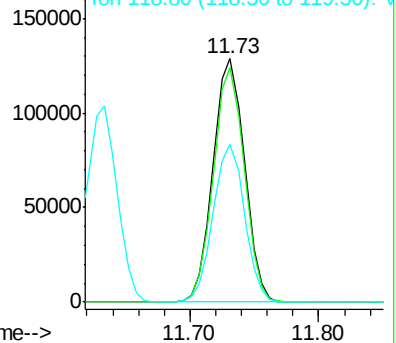
131 100

133 94.5 47.8 143.4

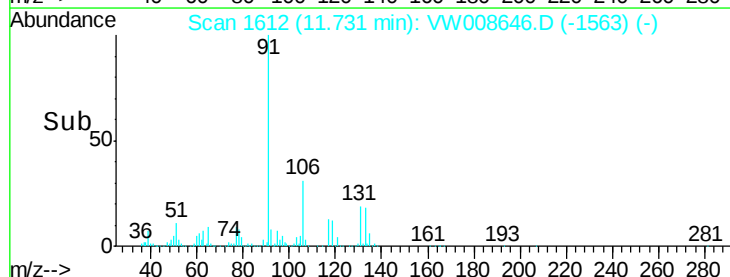
119 64.4 31.6 94.8

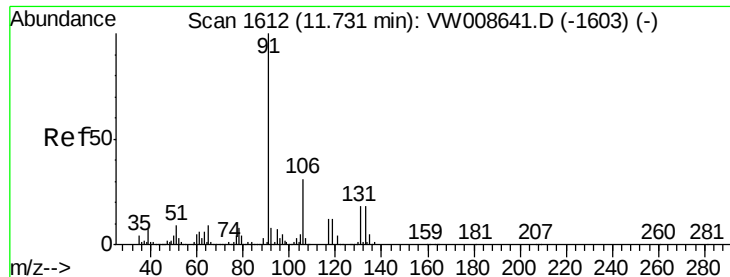


Abundance Ion 130.80 (130.50 to 131.50): V



Time-->





#67

Ethyl Benzene

Concen: 51.281 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

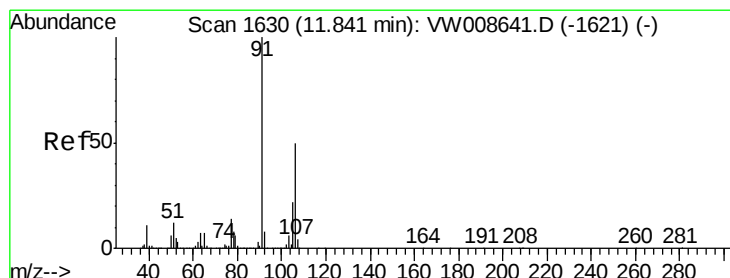
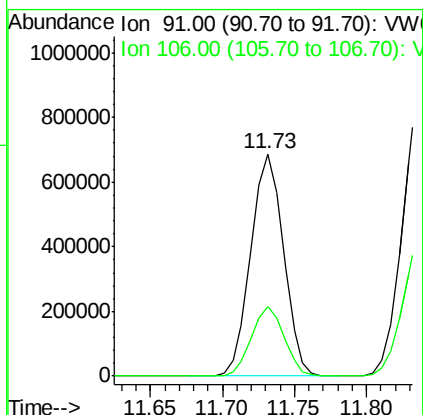
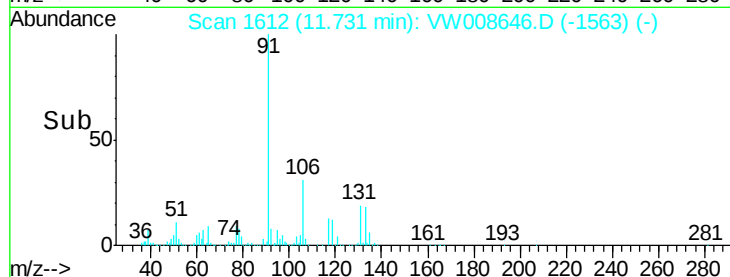
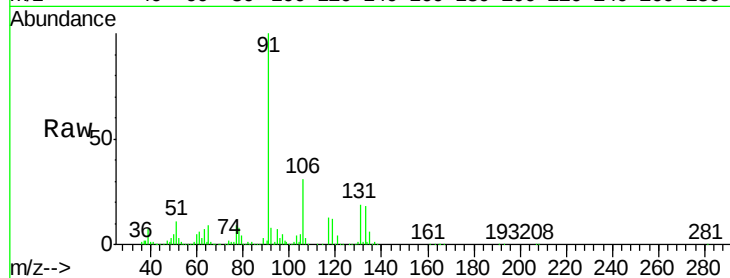
VW0213SBS01

Tot Ion: 91 Resp: 1081333

Ion Ratio Lower Upper

91 100

106 31.1 24.5 36.7



#68

m/p-Xylenes

Concen: 100.902 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008646.D

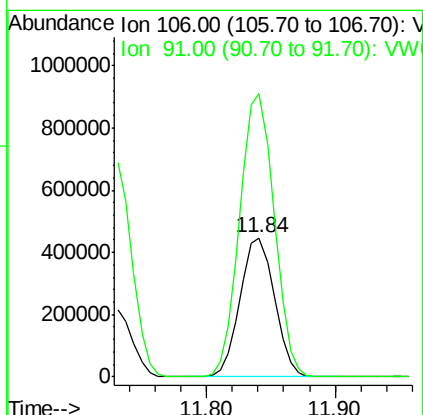
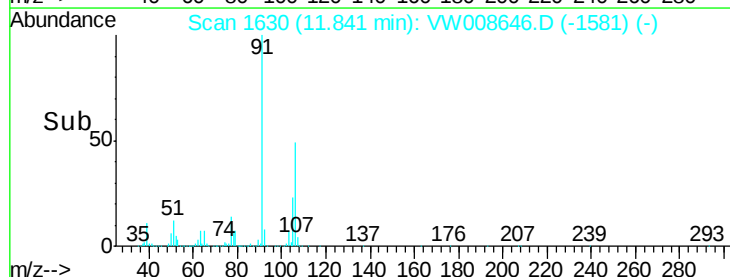
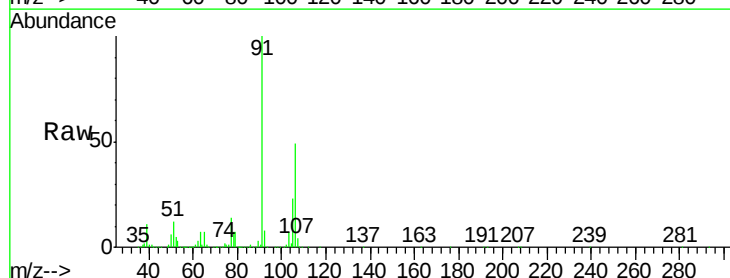
Acq: 13 Feb 2019 18:25

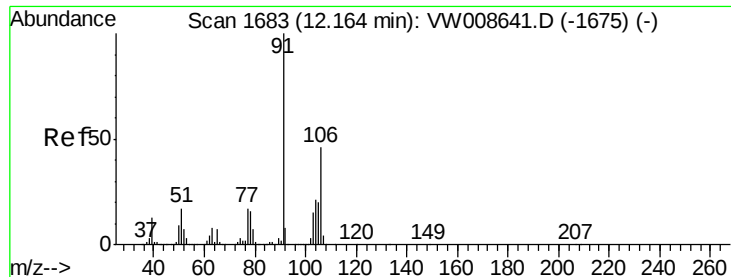
Tgt Ion: 106 Resp: 827860

Ion Ratio Lower Upper

106 100

91 204.1 161.0 241.4

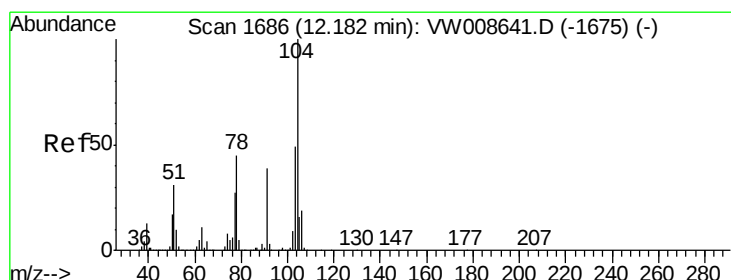
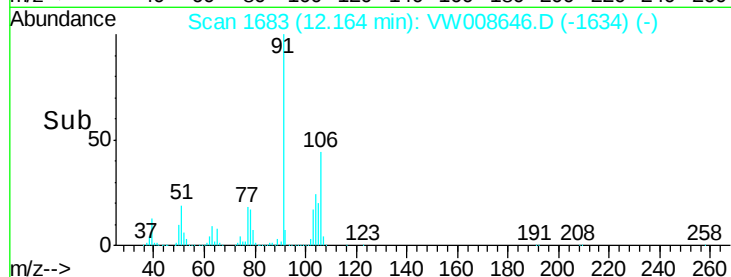
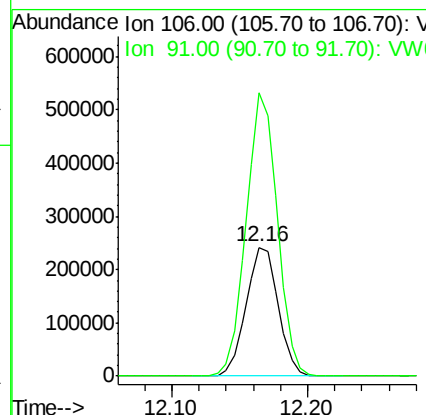
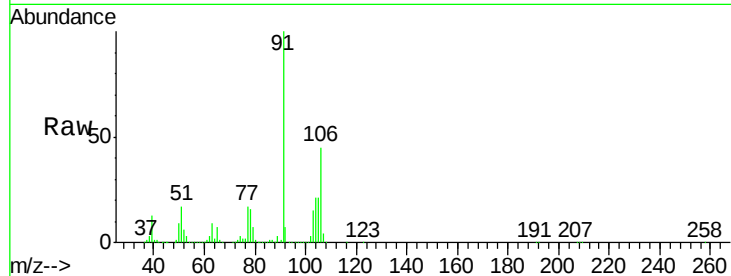




#69
o-Xylene
Concen: 51.461 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

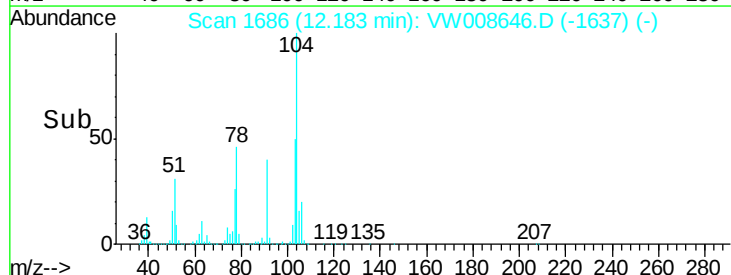
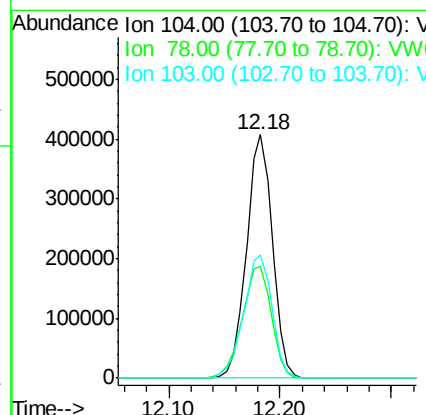
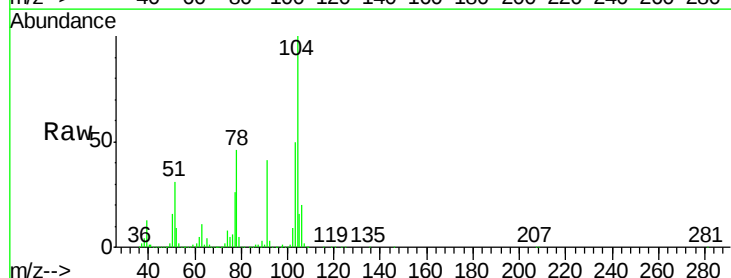
Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

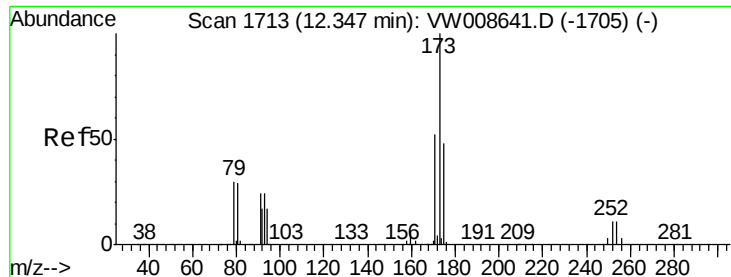
Tot Ion:106 Resp: 399101
Ion Ratio Lower Upper
106 100
91 213.7 106.7 320.1



#70
Styrene
Concen: 51.986 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion:104 Resp: 658516
Ion Ratio Lower Upper
104 100
78 51.6 41.5 62.3
103 55.0 43.5 65.3





#71

Bromoform

Concen: 56.626 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

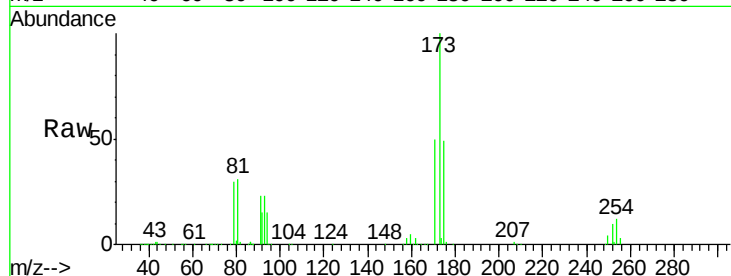
Tot Ion:173 Resp: 127947

Ion Ratio Lower Upper

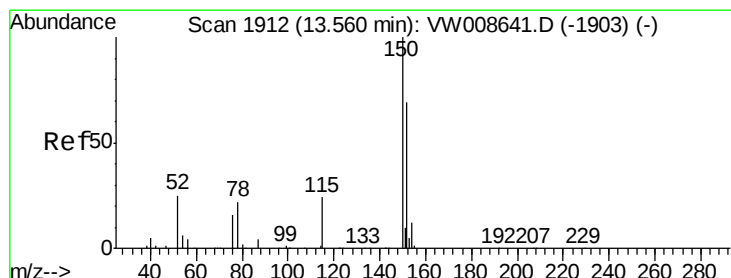
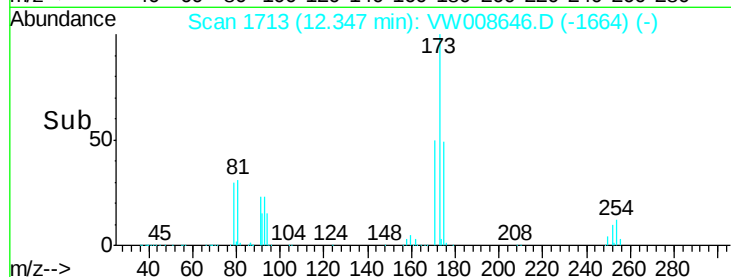
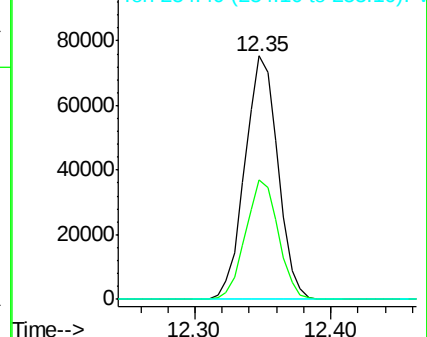
173 100

175 48.8 24.9 74.7

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

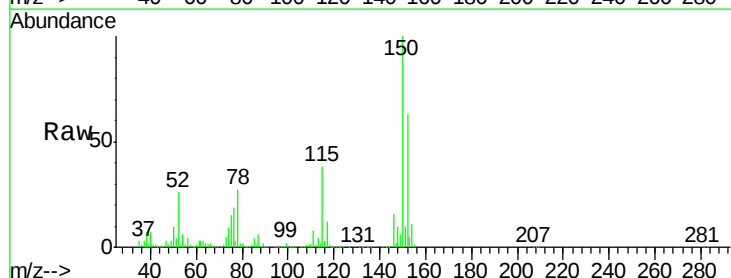
Tgt Ion:152 Resp: 285764

Ion Ratio Lower Upper

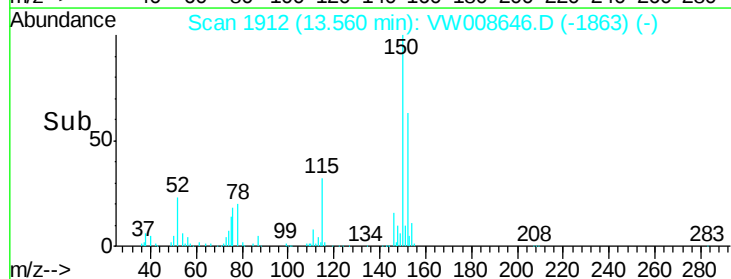
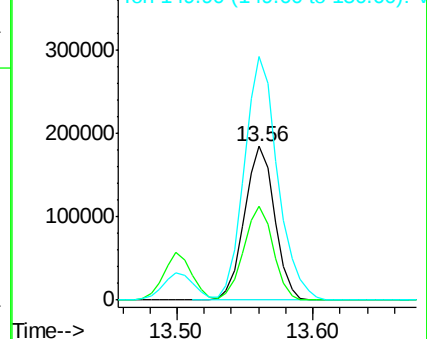
152 100

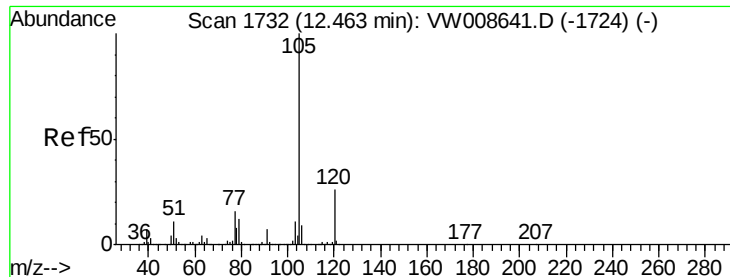
115 59.3 29.3 87.8

150 175.5 0.0 352.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.962 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

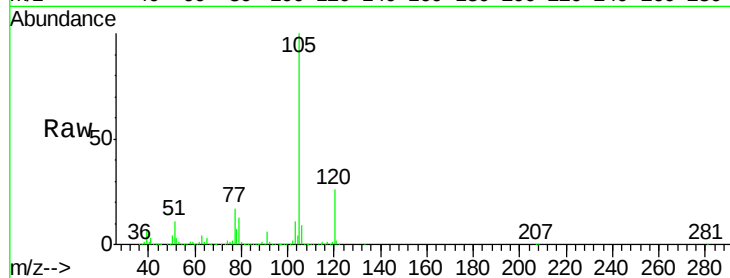
VW0213SBS01

Tot Ion:105 Resp: 1106063

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

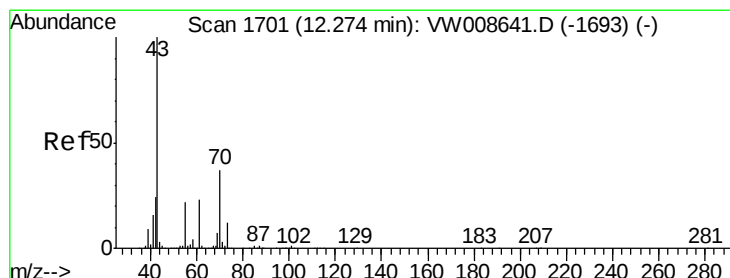
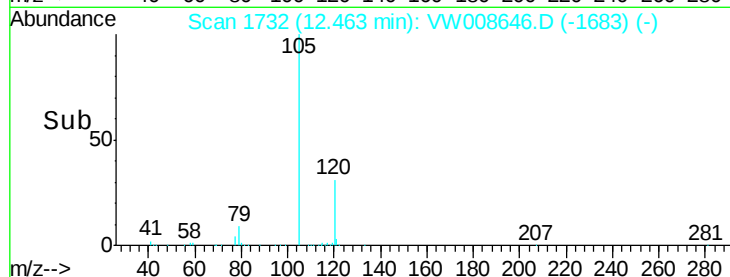
200000

0

12.46

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 58.726 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Tgt Ion: 43 Resp: 338035

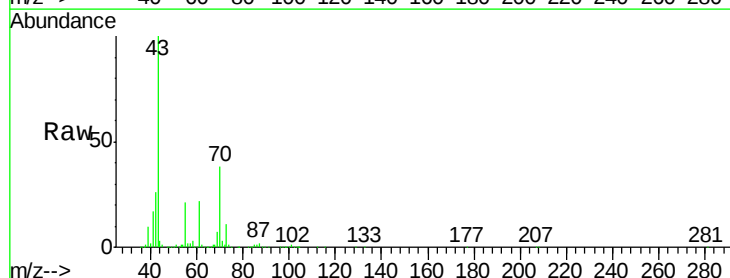
Ion Ratio Lower Upper

43 100

70 38.1 30.5 45.7

55 21.5 17.6 26.4

61 21.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

300000

200000

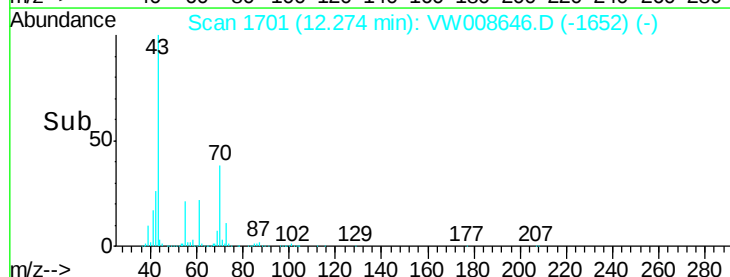
100000

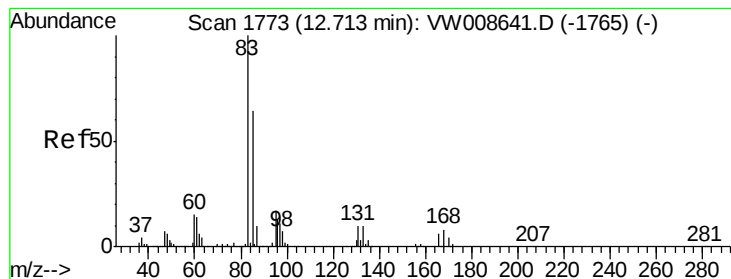
0

12.27

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 57.077 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

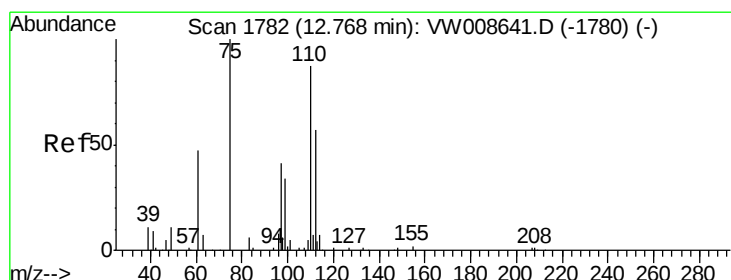
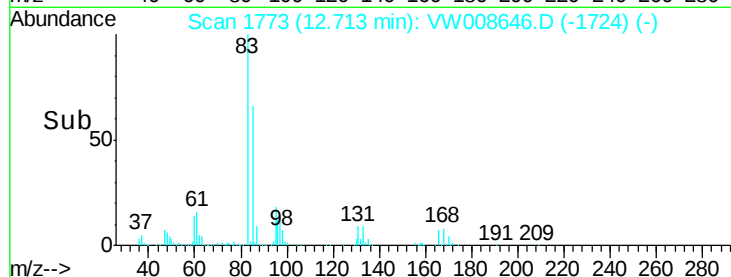
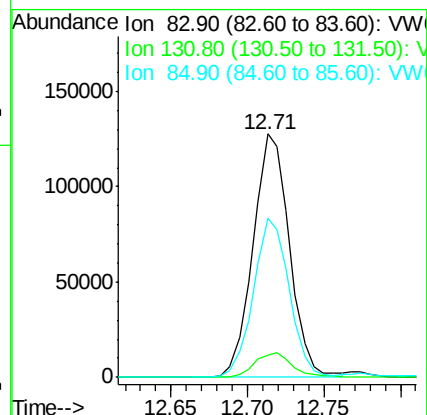
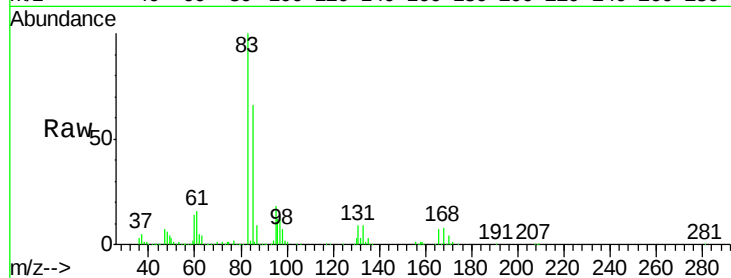
Tot Ion: 83 Resp: 211383

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.7

85 64.5 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 103.950 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008646.D

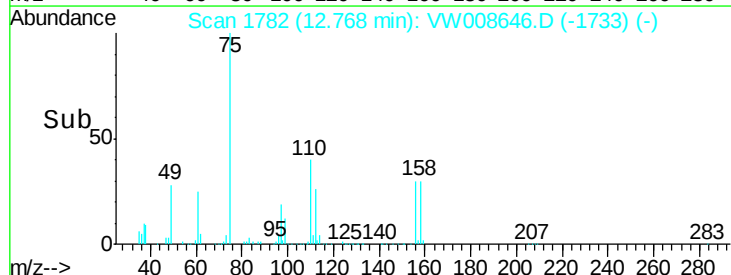
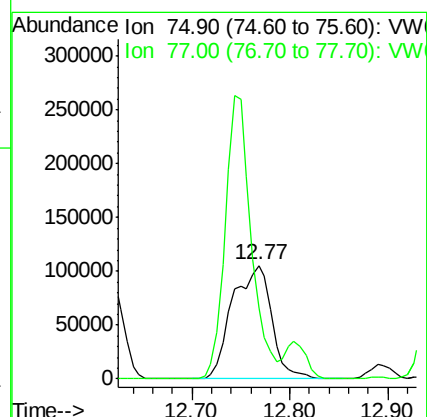
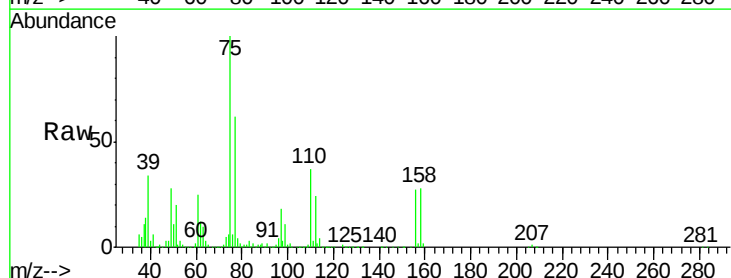
Acq: 13 Feb 2019 18:25

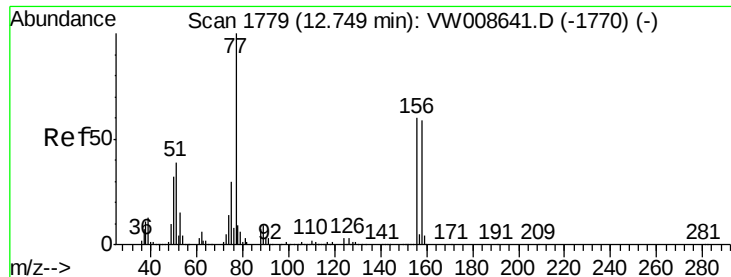
Tgt Ion: 75 Resp: 293324

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.376 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

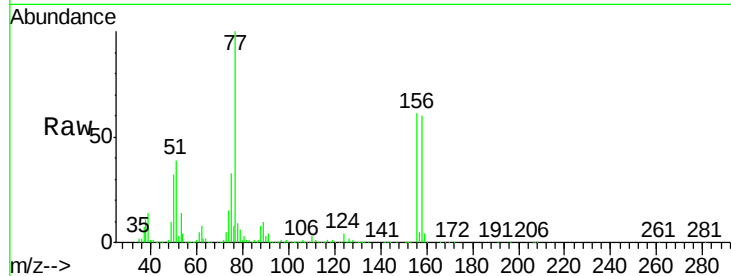
Tot Ion:156 Resp: 256278

Ion Ratio Lower Upper

156 100

77 189.6 93.2 279.5

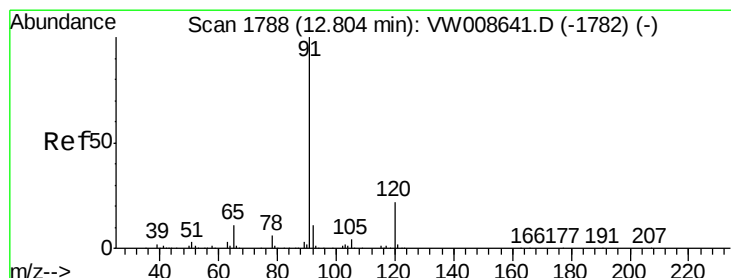
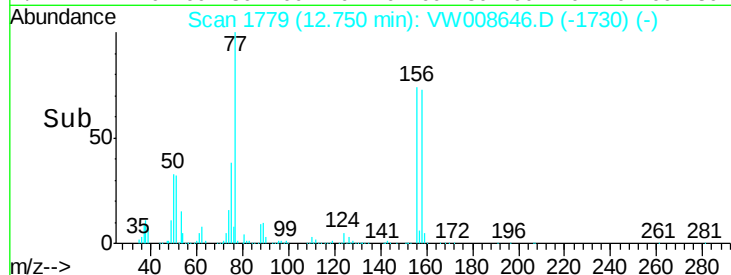
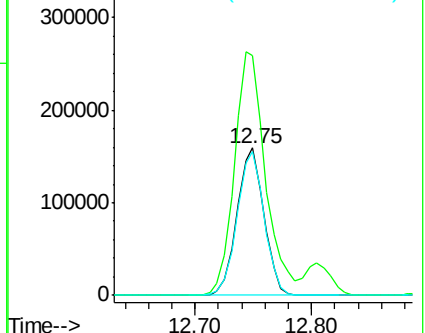
158 98.0 48.5 145.5



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: 52.442 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008646.D

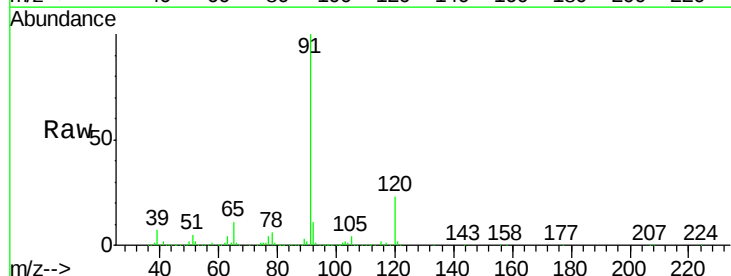
Acq: 13 Feb 2019 18:25

Tgt Ion: 91 Resp: 1326327

Ion Ratio Lower Upper

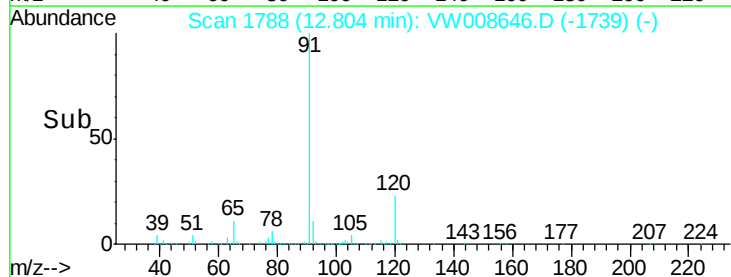
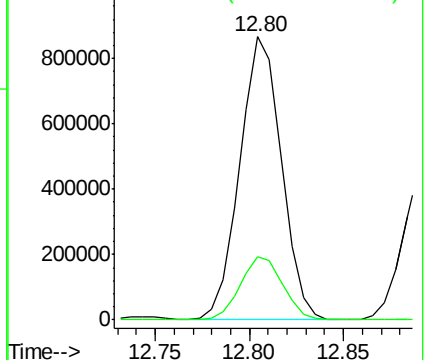
91 100

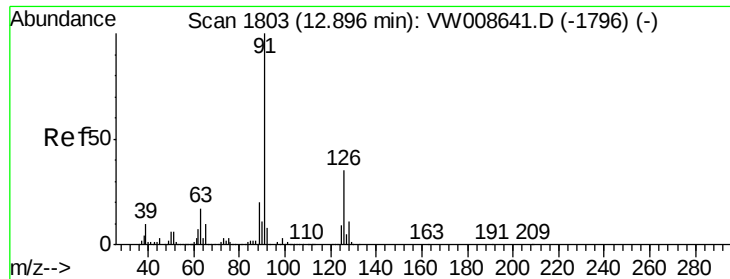
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.846 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

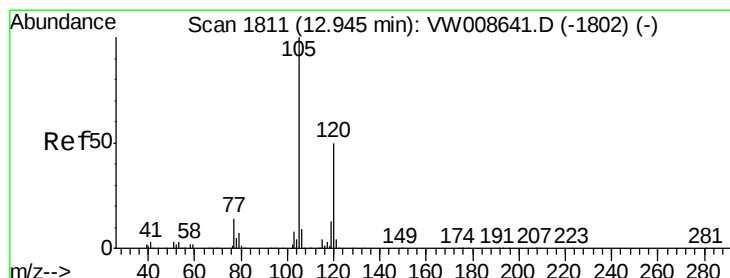
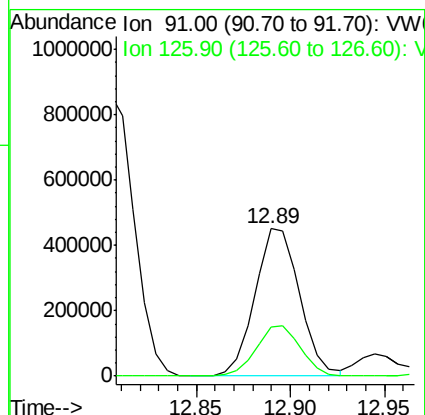
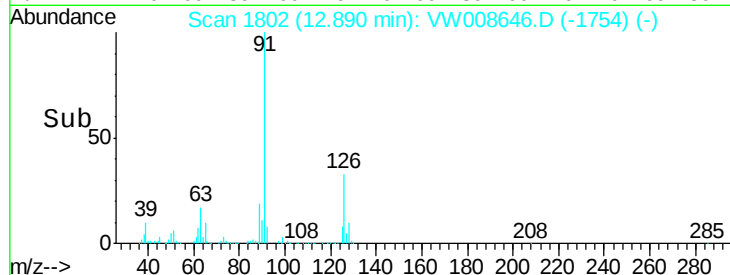
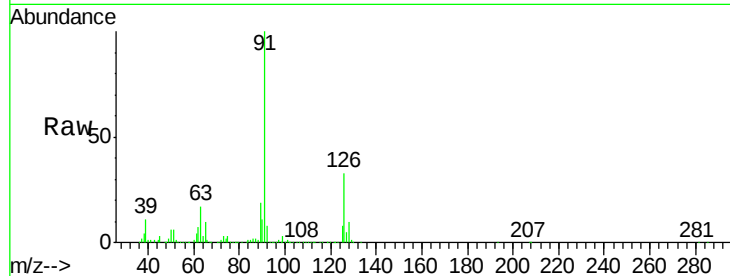
VW0213SBS01

Tot Ion: 91 Resp: 741096

Ion Ratio Lower Upper

91 100

126 33.9 17.0 50.9



#80

1,3,5-Trimethylbenzene

Concen: 52.254 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008646.D

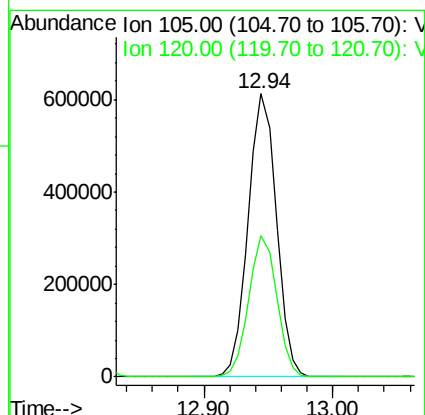
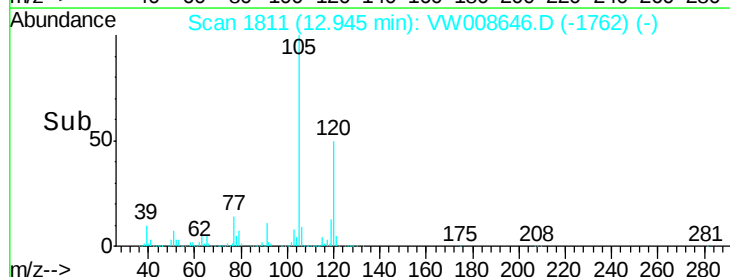
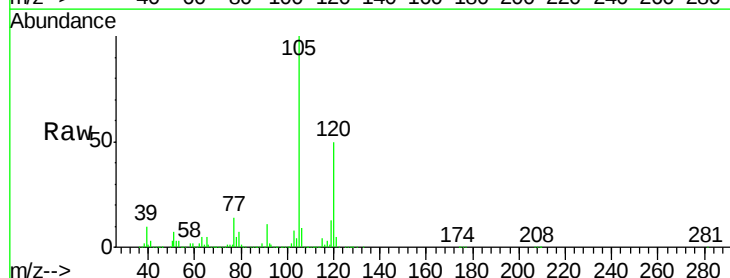
Acq: 13 Feb 2019 18:25

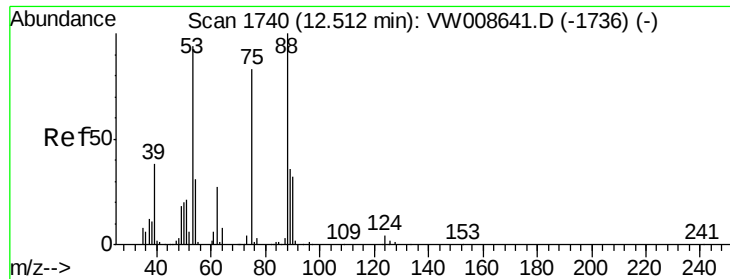
Tgt Ion:105 Resp: 923880

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.8

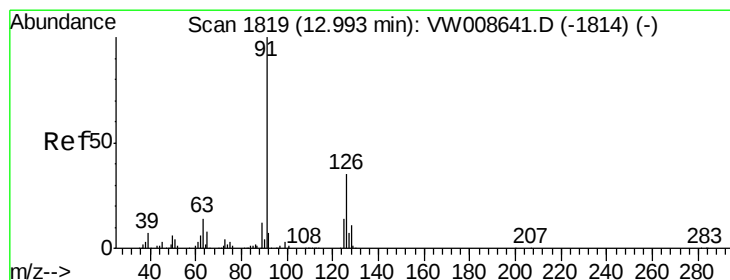
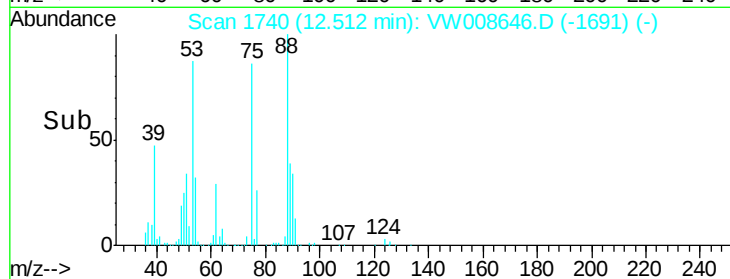
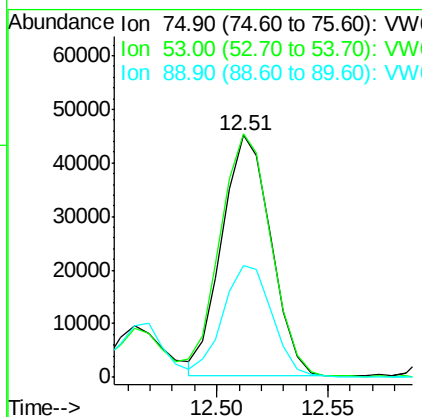
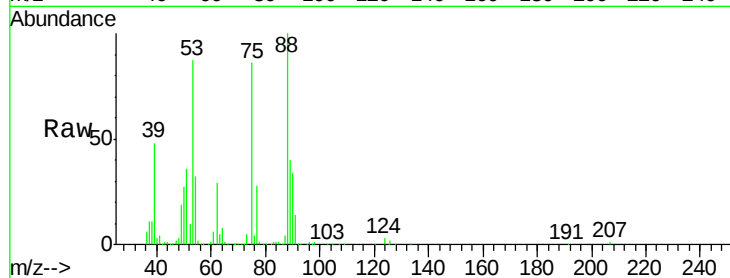




#81
trans-1,4-Dichloro-2-butene
Concen: 53.681 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

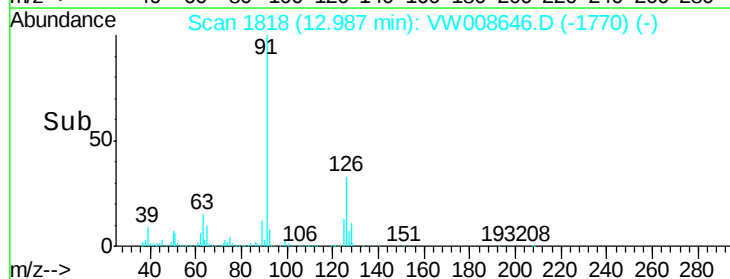
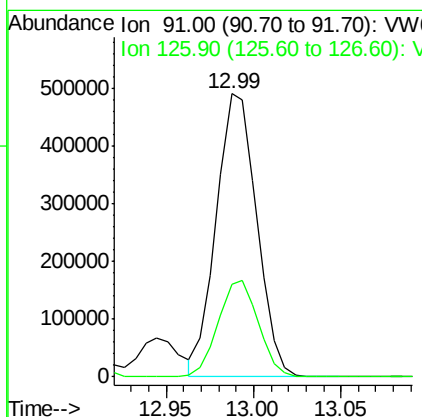
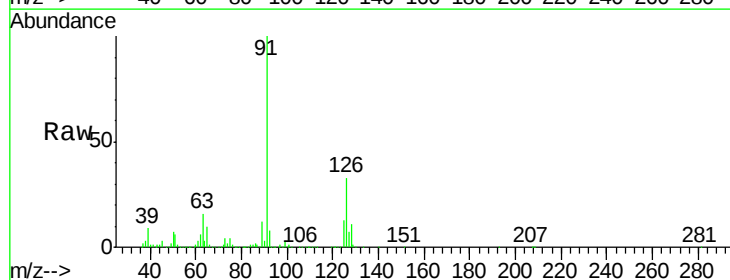
Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

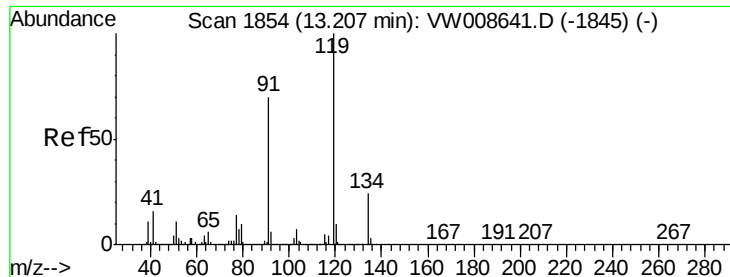
Tot Ion: 75 Resp: 68953
Ion Ratio Lower Upper
75 100
53 106.7 87.4 131.0
89 46.9 37.0 55.4



#82
4-Chlorotoluene
Concen: 52.034 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion: 91 Resp: 788233
Ion Ratio Lower Upper
91 100
126 34.1 16.9 50.7

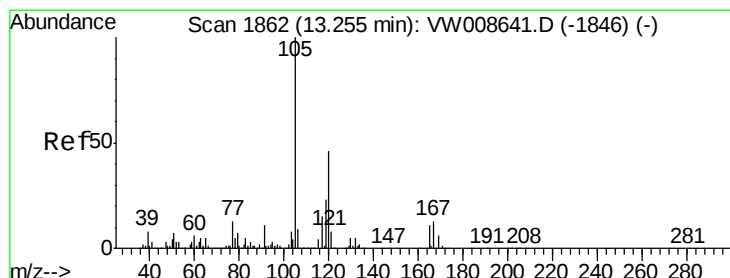
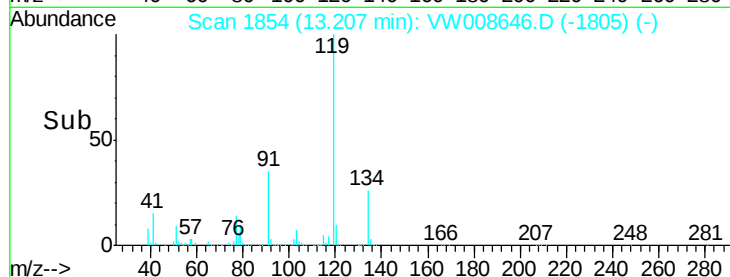
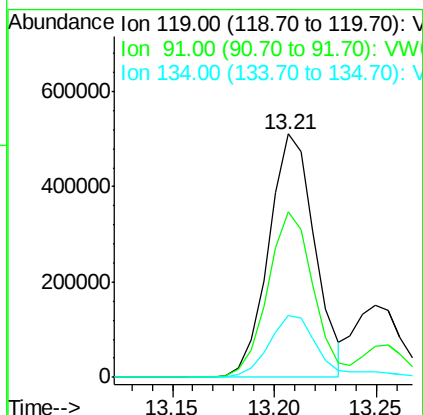
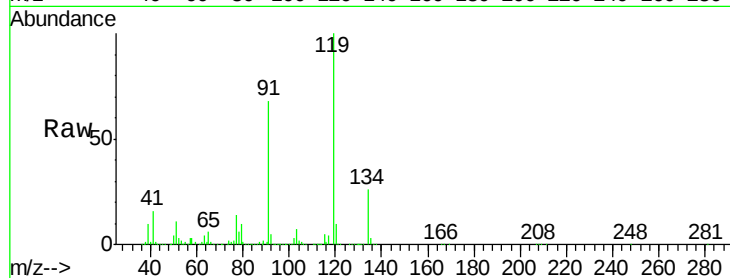




#83
tert-Butylbenzene
Concen: 52.545 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

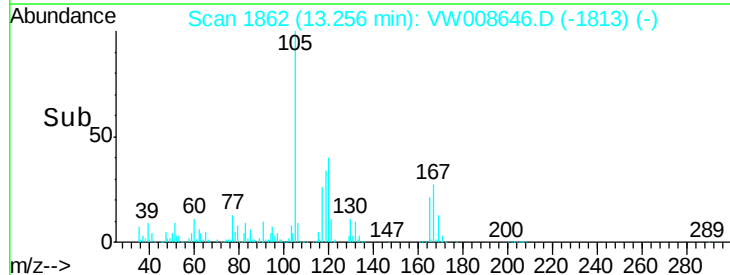
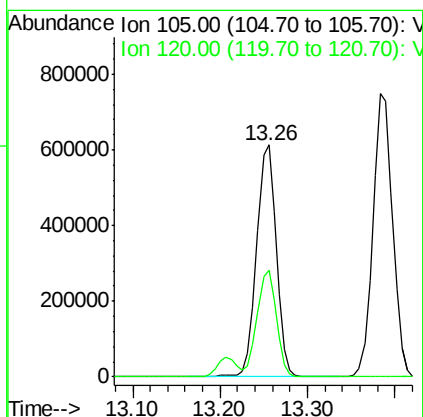
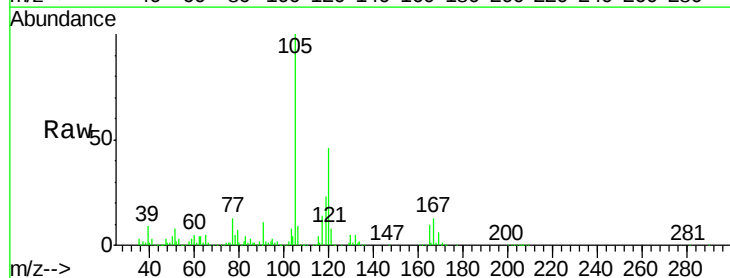
Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

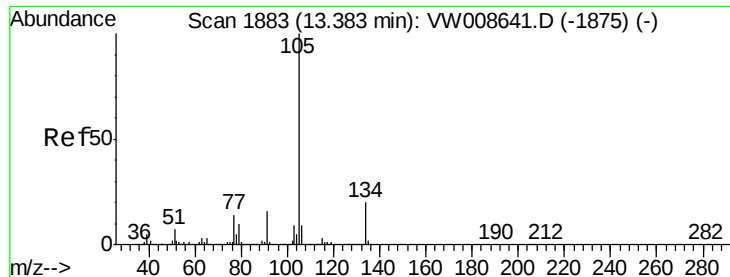
Tot Ion:119 Resp: 806678
Ion Ratio Lower Upper
119 100
91 67.6 34.0 102.0
134 28.0 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 52.693 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion:105 Resp: 957540
Ion Ratio Lower Upper
105 100
120 45.5 22.9 68.8





#85

sec-Butylbenzene

Concen: 52.327 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

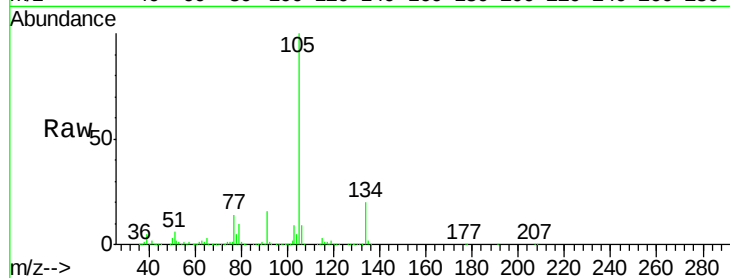
VW0213SBS01

Tot Ion:105 Resp: 1169696

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

800000

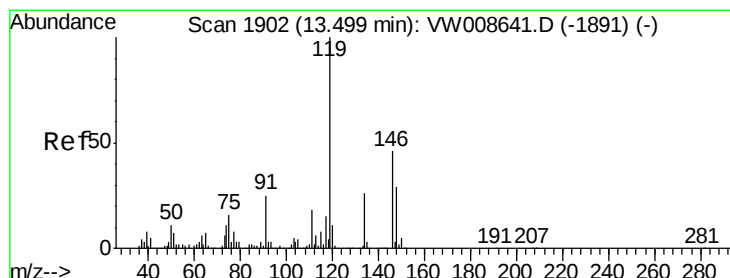
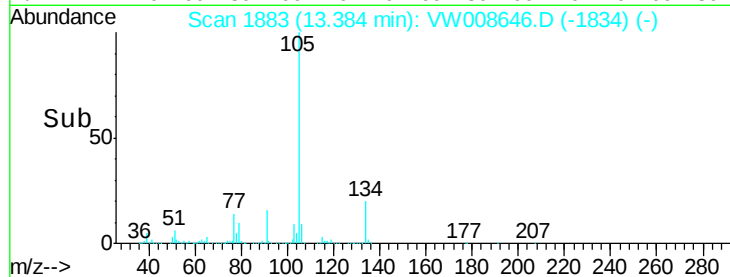
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.427 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

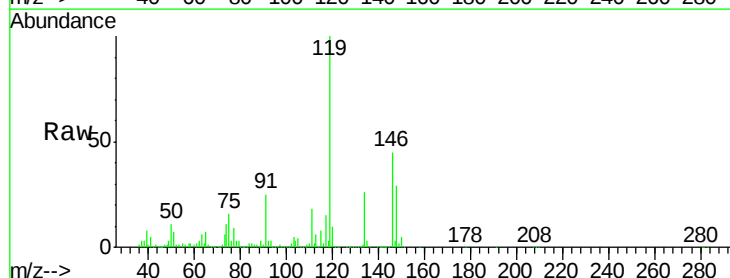
Tgt Ion:119 Resp: 1048419

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 24.6 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

800000

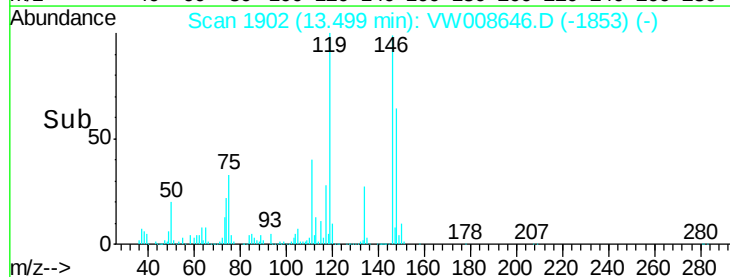
600000

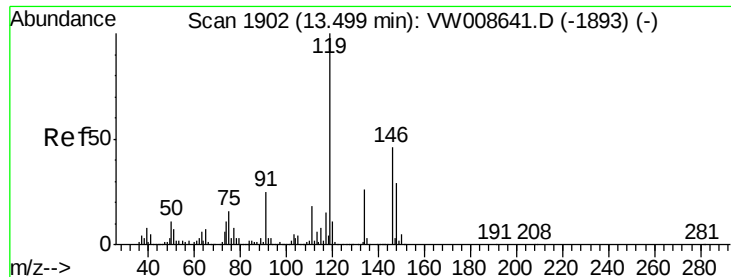
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.044 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

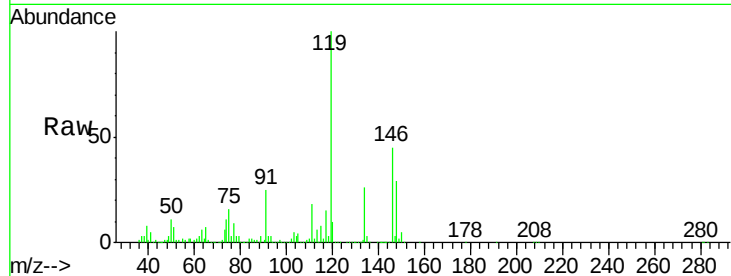
Tot Ion:146 Resp: 516223

Ion Ratio Lower Upper

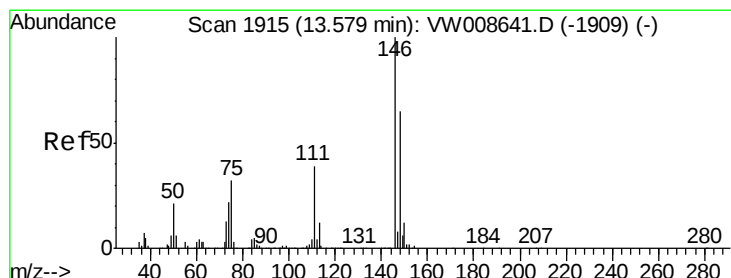
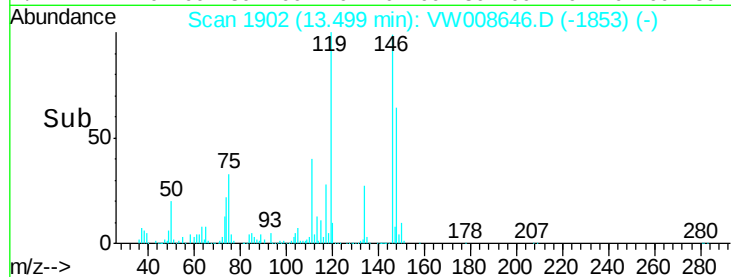
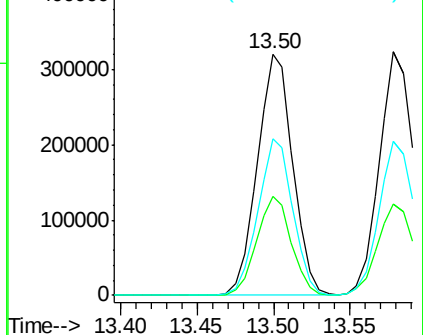
146 100

111 40.1 19.4 58.1

148 64.0 31.6 94.8



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



#88

1,4-Dichlorobenzene

Concen: 51.741 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

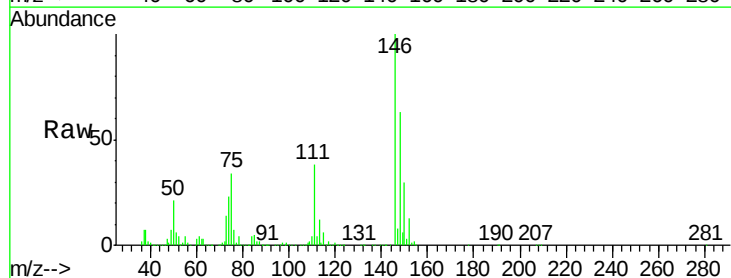
Tgt Ion:146 Resp: 505798

Ion Ratio Lower Upper

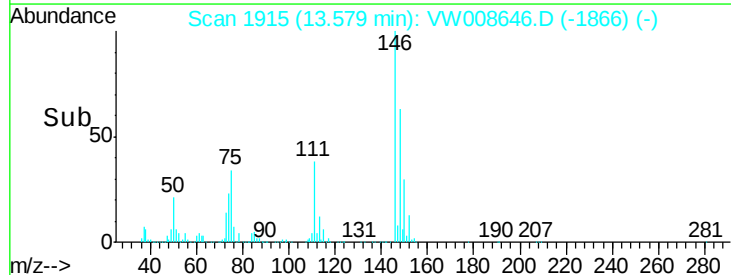
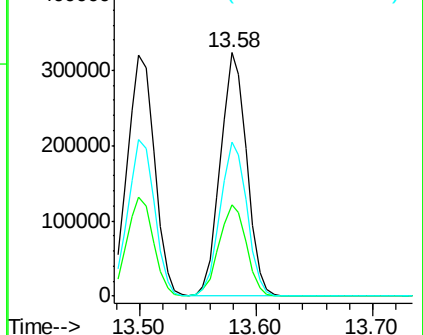
146 100

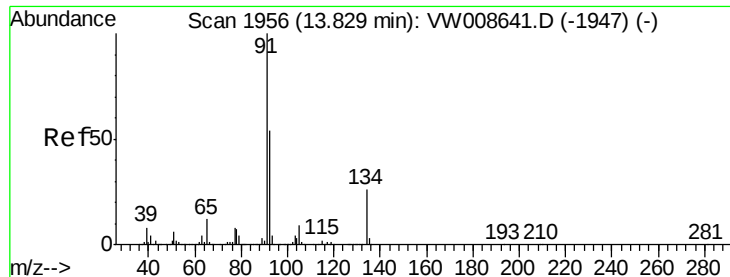
111 39.0 19.4 58.1

148 64.2 31.8 95.4



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





#89

n-Butylbenzene

Concen: 52.714 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

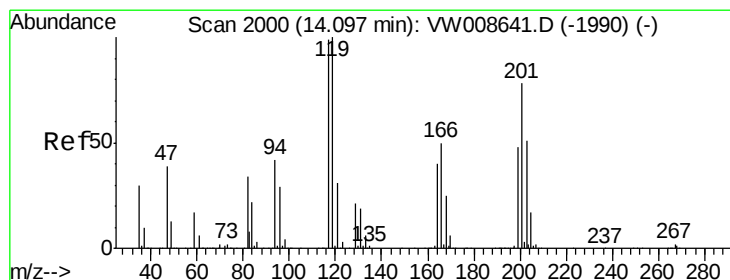
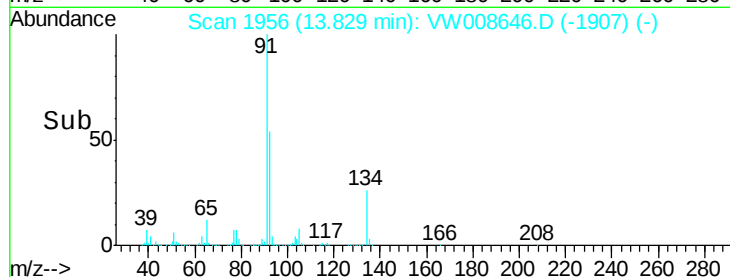
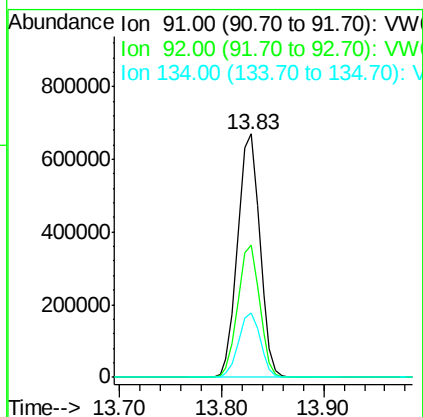
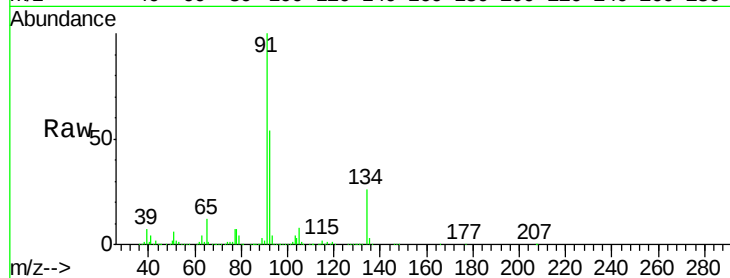
Tot Ion: 91 Resp: 1001754

Ion Ratio Lower Upper

91 100

92 53.6 26.8 80.4

134 26.2 13.0 39.0



#90

Hexachloroethane

Concen: 53.423 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008646.D

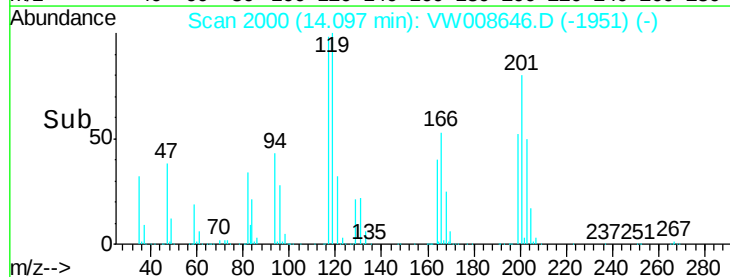
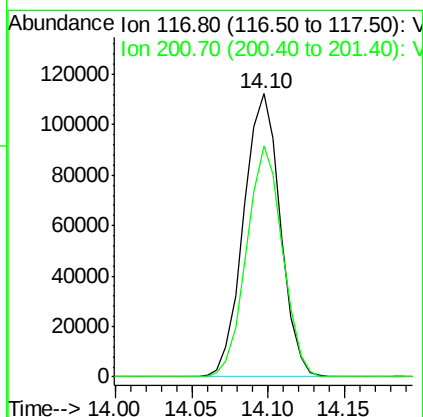
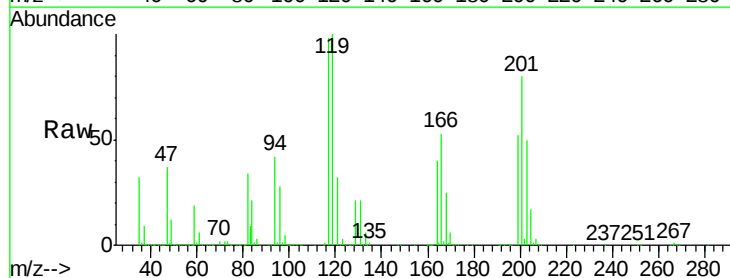
Acq: 13 Feb 2019 18:25

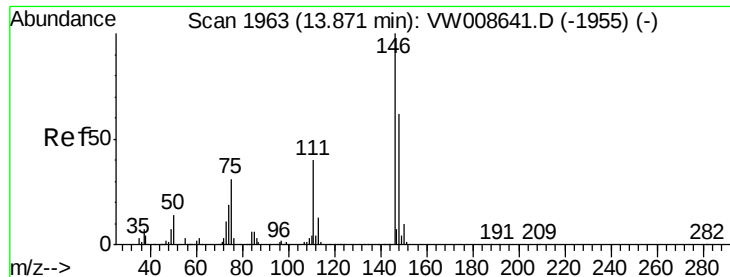
Tgt Ion: 117 Resp: 186650

Ion Ratio Lower Upper

117 100

201 80.3 38.7 116.1

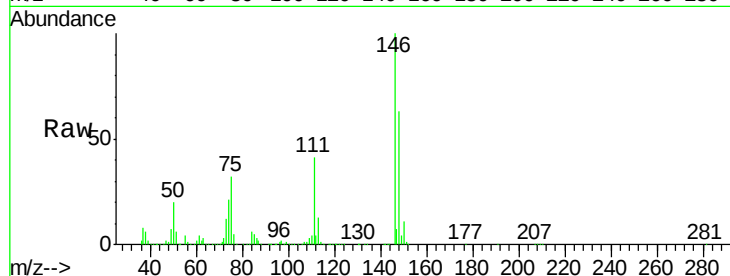




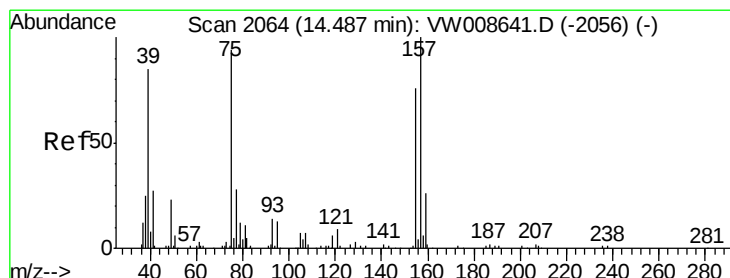
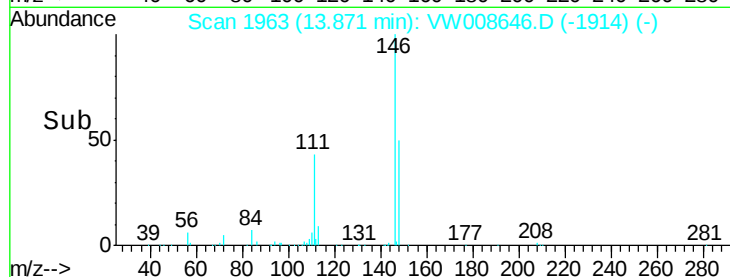
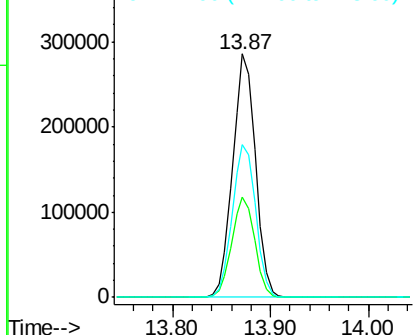
#91
 1,2-Dichlorobenzene
 Concen: 52.604 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 18:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	64.2	31.6	94.8

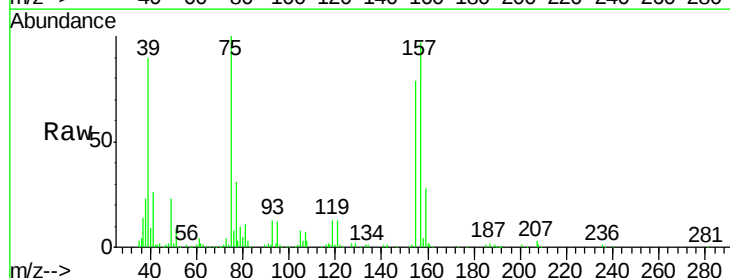


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

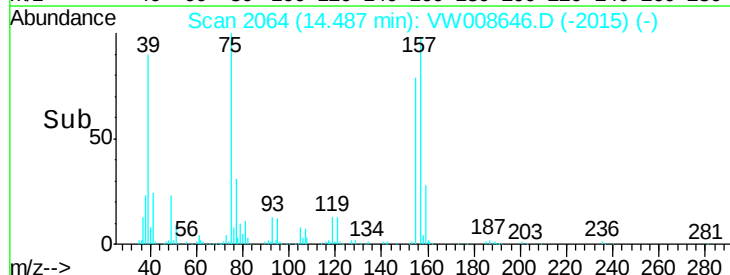
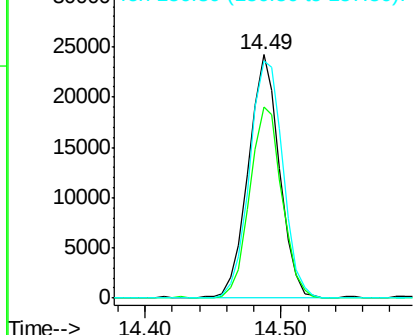


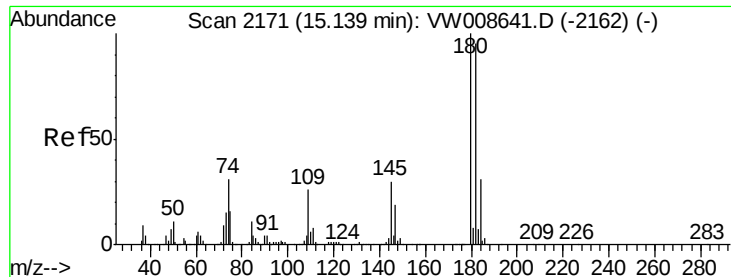
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.520 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	41.8	125.4
157	104.3	53.8	161.4



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

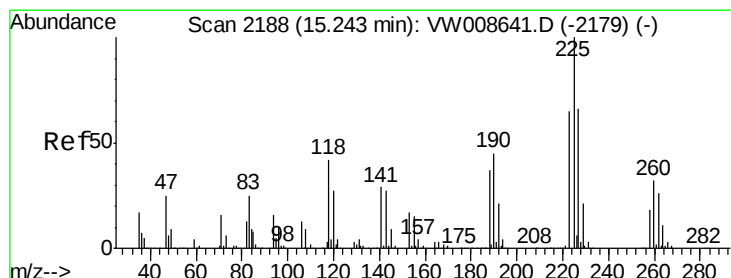
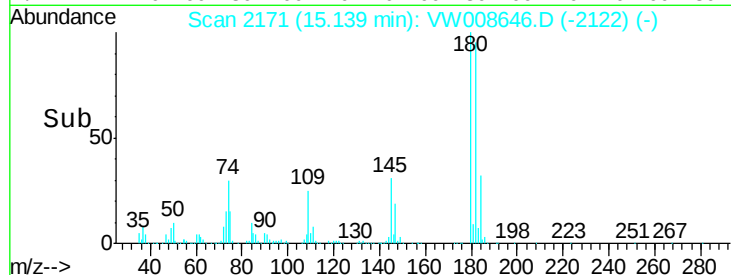
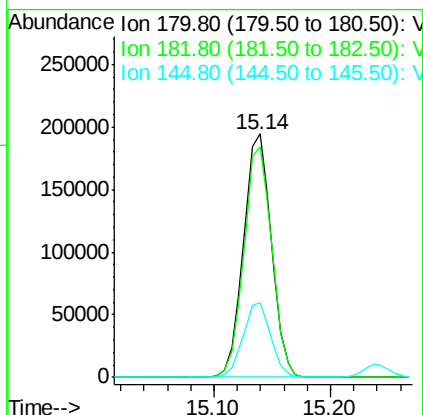
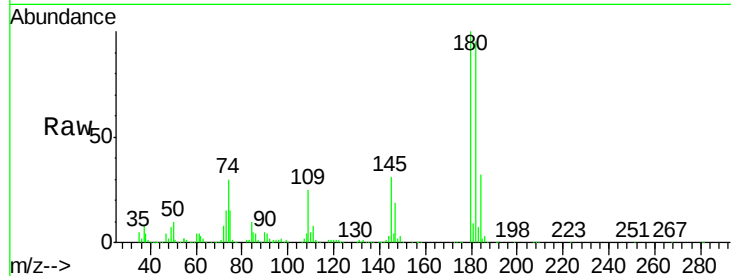




#93
 1,2,4-Trichlorobenzene
 Concen: 52.045 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 18:25

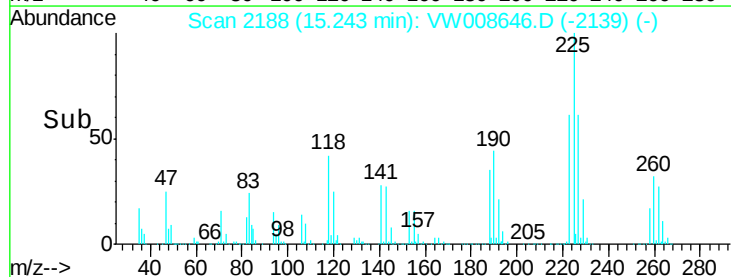
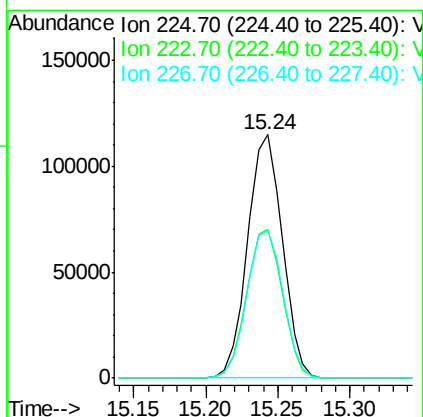
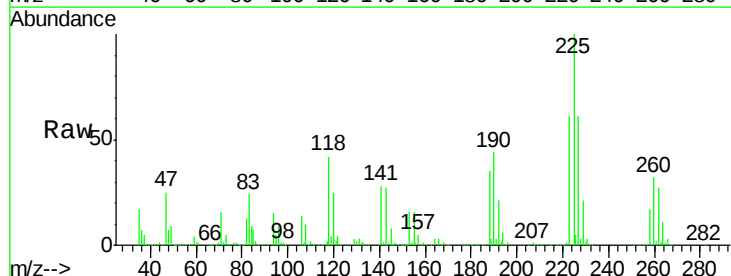
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

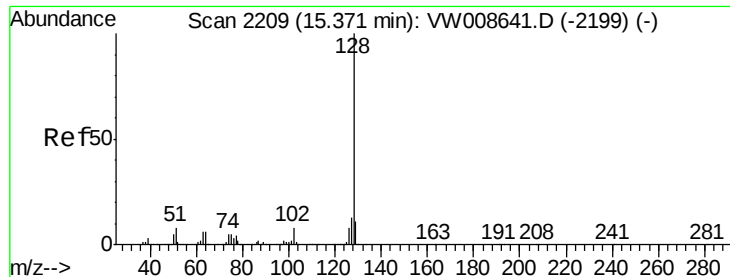
Tot Ion:180 Resp: 325583
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.5 142.5
 145 30.6 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 52.660 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 18:25

Tgt Ion:225 Resp: 191759
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.3
 227 63.1 32.4 97.0

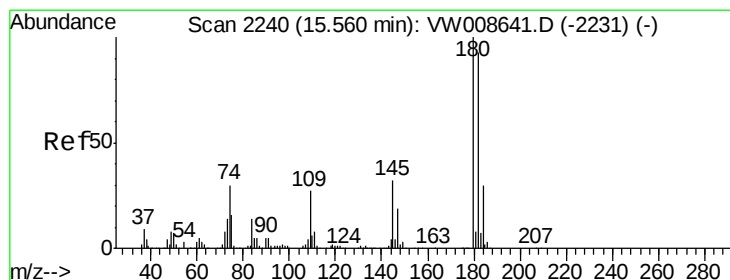
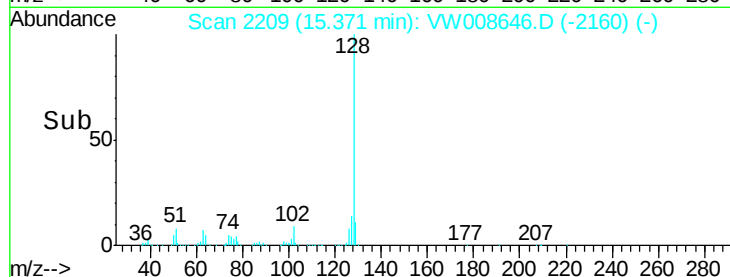
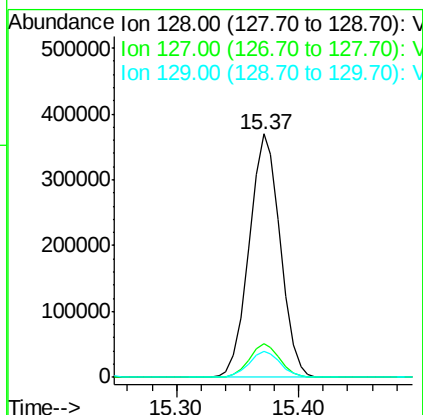
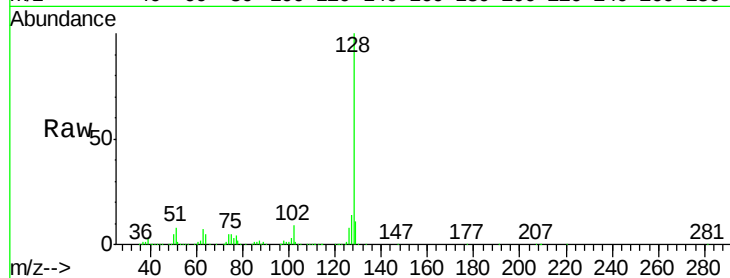




#95
Naphthalene
Concen: 58.100 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion:128 Resp: 651343
Ion Ratio Lower Upper
128 100
127 13.6 10.9 16.3
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.636 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 18:25

Tgt Ion:180 Resp: 293296
Ion Ratio Lower Upper
180 100
182 94.6 47.5 142.5
145 30.8 15.9 47.7

