

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101918\
 Data File : VW006225.D
 Acq On : 19 Oct 2018 15:20
 Operator : VA/AP
 Sample : VW1019SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

Quant Time: Oct 20 01:18:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	368249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	188720	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	103767	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
35) Dibromofluoromethane	7.89	113	107951	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
50) Toluene-d8	10.33	98	414176	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.62	95	156629	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	23297	18.231	ug/l	97
3) Chloromethane	2.21	50	29856	18.151	ug/l	98
4) Vinyl Chloride	2.37	62	46512	19.800	ug/l	100
5) Bromomethane	2.78	94	42911	20.084	ug/l	98
6) Chloroethane	2.93	64	33007	19.607	ug/l	91
7) Trichlorofluoromethane	3.26	101	44493	20.332	ug/l	100
8) Diethyl Ether	3.68	74	22835	19.634	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50793	22.148	ug/l	97
10) Methyl Iodide	4.27	142	82031	21.491	ug/l	99
11) Tert butyl alcohol	5.20	59	14020	97.373	ug/l	98
12) 1,1-Dichloroethene	4.03	96	46778	21.681	ug/l	90
13) Acrolein	3.89	56	14276	102.468	ug/l	95
14) Allyl chloride	4.67	41	62496	20.258	ug/l	99
15) Acrylonitrile	5.37	53	44370	106.367	ug/l	99
16) Acetone	4.14	43	52453	123.082	ug/l	100
17) Carbon Disulfide	4.38	76	118838	18.250	ug/l	98
18) Methyl Acetate	4.68	43	22498	20.882	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	69955	21.287	ug/l	96
20) Methylene Chloride	4.92	84	58133	24.844	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	52612	21.846	ug/l	96
22) Diisopropyl ether	6.32	45	131870	21.631	ug/l	99
23) Vinyl Acetate	6.26	43	360888	100.307	ug/l	99
24) 1,1-Dichloroethane	6.22	63	87625	22.275	ug/l	98
25) 2-Butanone	7.18	43	64719	111.903	ug/l	98
26) 2,2-Dichloropropane	7.17	77	57948	20.886	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	58736	22.101	ug/l	99
28) Bromochloromethane	7.51	49	28649	18.865	ug/l	96
29) Tetrahydrofuran	7.54	42	35858	100.867	ug/l	100
30) Chloroform	7.68	83	94889	22.140	ug/l	99
31) Cyclohexane	7.96	56	82038	20.942	ug/l	92
32) 1,1,1-Trichloroethane	7.88	97	83531	21.606	ug/l	99
36) 1,1-Dichloropropene	8.09	75	76717	22.602	ug/l	98
37) Ethyl Acetate	7.26	43	26081	20.681	ug/l	99
38) Carbon Tetrachloride	8.07	117	77764	20.899	ug/l	99

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Quant Time: Oct 20 01:18:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99149	21.975	ug/l	97
40) Benzene	8.33	78	209934	22.548	ug/l	98
41) Methacrylonitrile	7.49	41	16703	21.971	ug/l	99
42) 1,2-Dichloroethane	8.40	62	59966	21.922	ug/l	100
43) Isopropyl Acetate	8.43	43	51165	19.843	ug/l	99
44) Trichloroethene	9.10	130	63730	22.311	ug/l	99
45) 1,2-Dichloropropane	9.37	63	48750	21.881	ug/l	97
46) Dibromomethane	9.46	93	27215	21.432	ug/l	99
47) Bromodichloromethane	9.65	83	63731	20.701	ug/l	99
48) Methyl methacrylate	9.44	41	24348	19.921	ug/l	95
49) 1,4-Dioxane	9.46	88	8000	409.235	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	135644	104.995	ug/l	100
52) Toluene	10.39	92	139898	22.412	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	60348	19.674	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	72592	20.621	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38299	21.553	ug/l	96
56) Ethyl methacrylate	10.65	69	44577	20.463	ug/l	98
57) 1,3-Dichloropropane	10.94	76	64637	21.973	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	88872	106.765	ug/l	100
59) 2-Hexanone	10.98	43	98627	106.946	ug/l	99
60) Dibromochloromethane	11.13	129	43087	19.466	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38265	21.551	ug/l	97
64) Tetrachloroethene	10.87	164	58045	22.379	ug/l	99
65) Chlorobenzene	11.66	112	162678	22.744	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	54210	21.327	ug/l	99
67) Ethyl Benzene	11.74	91	280524	22.631	ug/l	99
68) m/p-Xylenes	11.85	106	219003	44.700	ug/l	98
69) o-Xylene	12.17	106	104375	22.354	ug/l	99
70) Styrene	12.19	104	168402	22.179	ug/l	99
71) Bromoform	12.35	173	25828	18.217	ug/l #	99
73) Isopropylbenzene	12.47	105	293737	22.032	ug/l	99
74) N-amyl acetate	12.28	43	50376	19.454	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	44049	21.722	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	54091	37.525	ug/l #	100
77) Bromobenzene	12.75	156	71573	21.917	ug/l	98
78) n-propylbenzene	12.81	91	347263	22.388	ug/l	100
79) 2-Chlorotoluene	12.90	91	194222	22.286	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	248797	22.136	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	9640	15.986	ug/l	86
82) 4-Chlorotoluene	12.99	91	203080	22.245	ug/l	100
83) tert-Butylbenzene	13.21	119	222603	22.136	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	252608	22.210	ug/l	100
85) sec-Butylbenzene	13.39	105	320286	22.545	ug/l	100
86) p-Isopropyltoluene	13.51	119	286854	22.324	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	146311	22.513	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	143385	22.159	ug/l	99
89) n-Butylbenzene	13.83	91	266690	22.694	ug/l	100
90) Hexachloroethane	14.10	117	41025	18.848	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	128939	22.242	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6528	17.980	ug/l	96

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Instrument :
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ClientSampleId :
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Quant Time: Oct 20 01:18:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

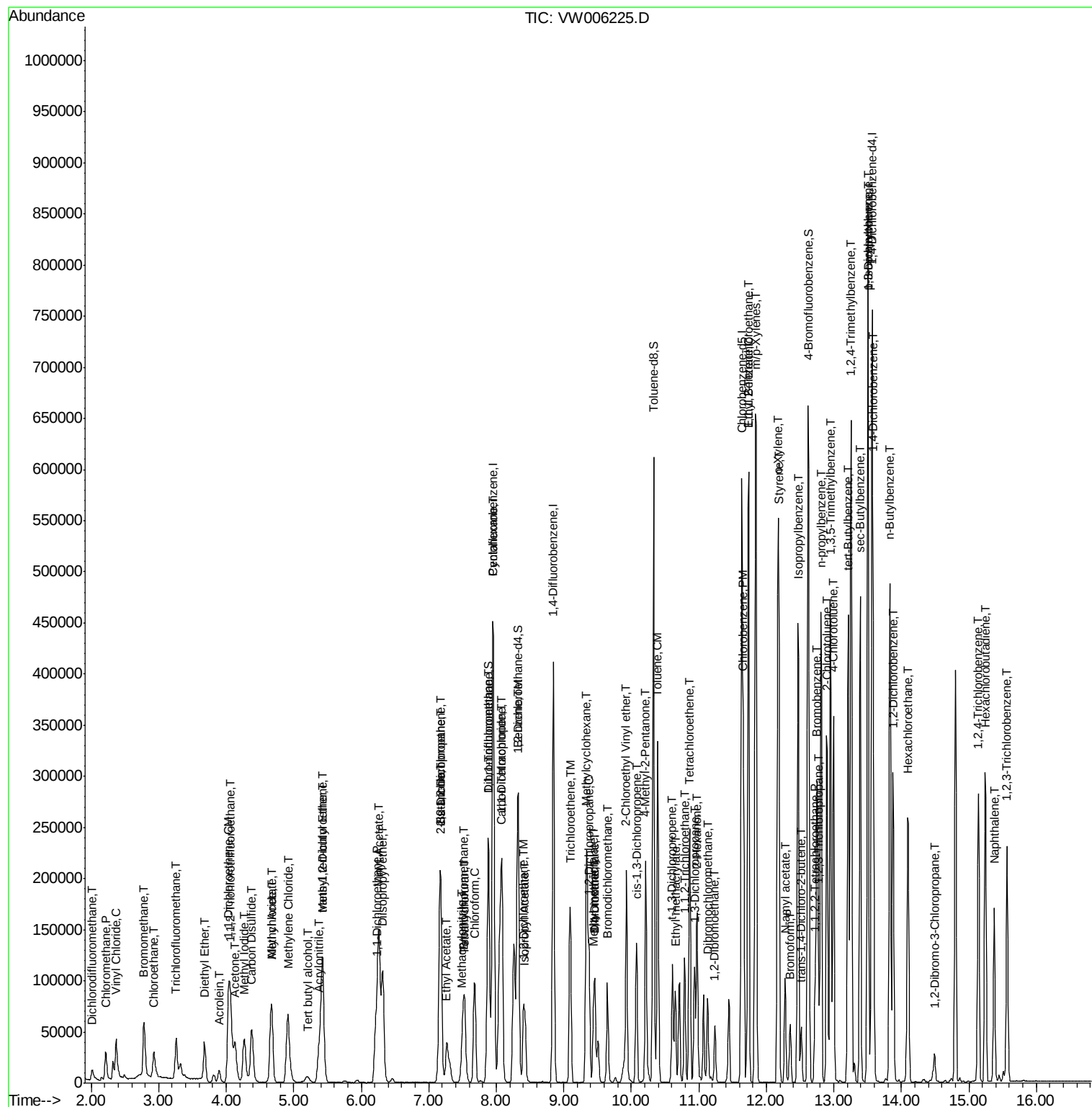
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	100322	22.491	ug/l	99
94) Hexachlorobutadiene	15.24	225	62453	22.288	ug/l	100
95) Naphthalene	15.38	128	154684	20.847	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	84902	22.006	ug/l	99

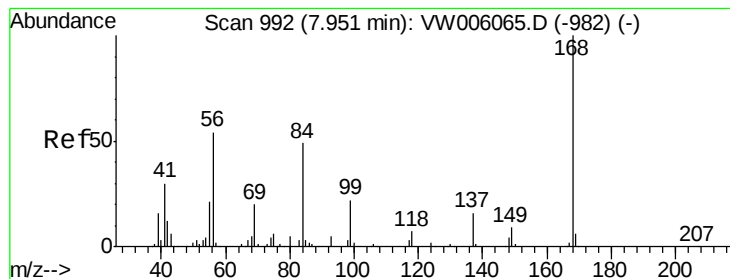
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101918\
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

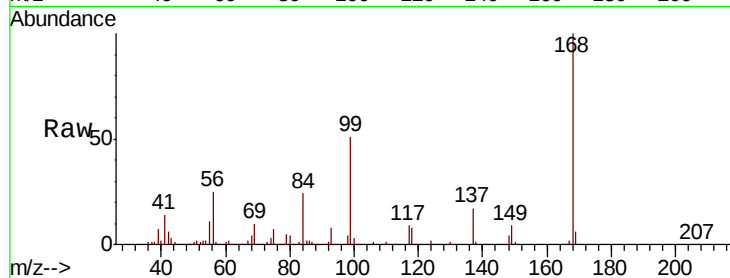
VW1019SBSD01

Tot Ion:168 Resp: 258228

Ion Ratio Lower Upper

168 100

99 51.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

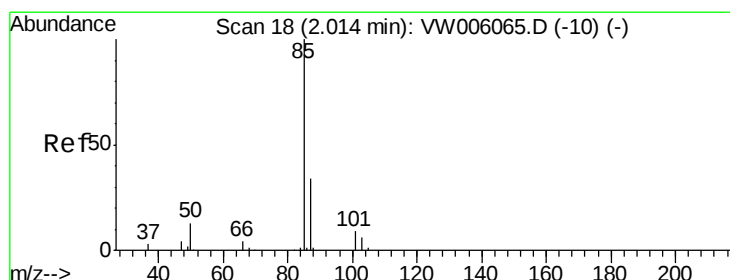
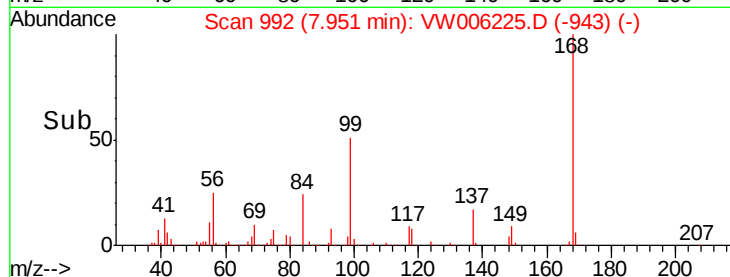
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.231 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006225.D

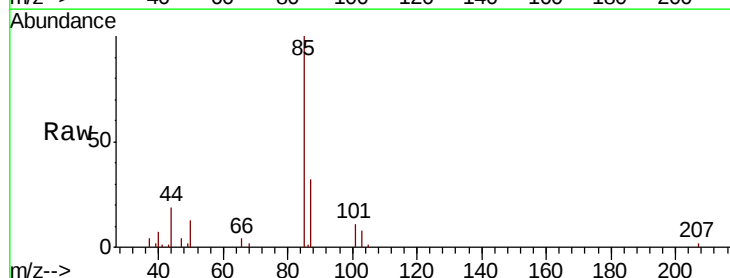
Acq: 19 Oct 2018 15:20

Tgt Ion: 85 Resp: 23297

Ion Ratio Lower Upper

85 100

87 32.1 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

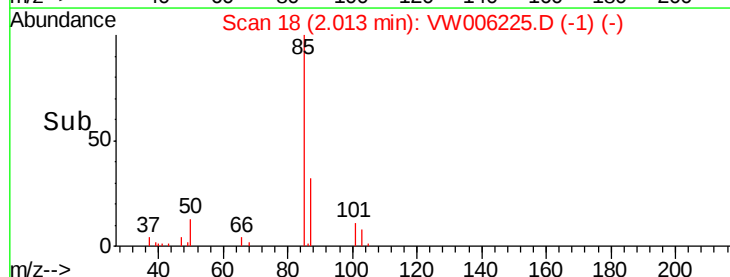
6000

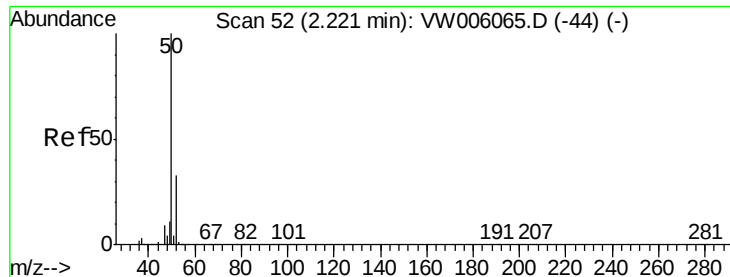
4000

2000

0

Time-->





#3

Chloromethane

Concen: 18.151 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

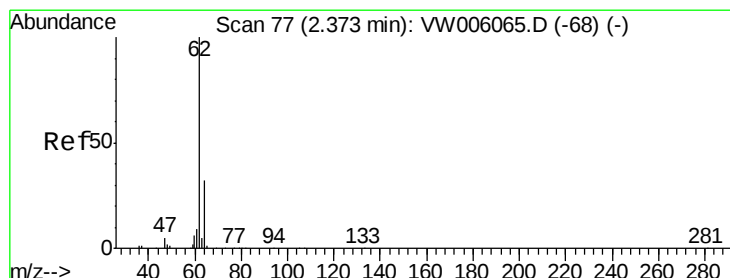
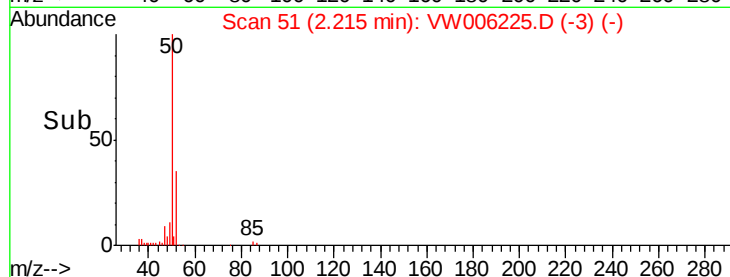
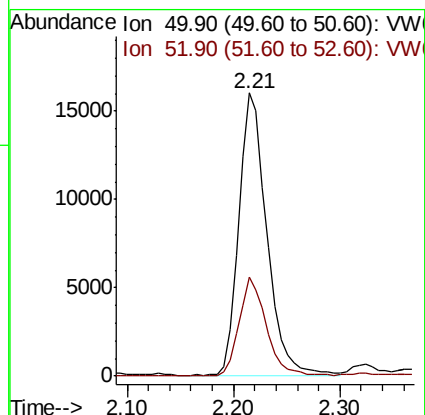
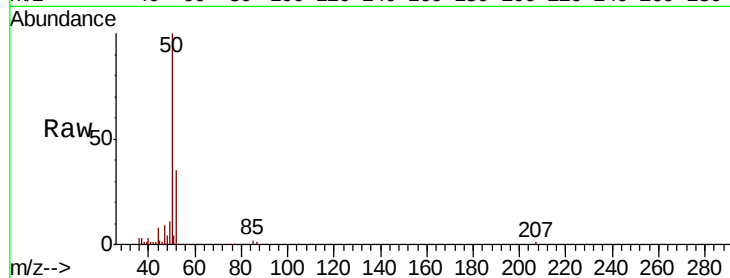
VW1019SBSD01

Tot Ion: 50 Resp: 29856

Ion Ratio Lower Upper

50 100

52 34.8 26.8 40.2



#4

Vinyl Chloride

Concen: 19.800 ug/l

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW006225.D

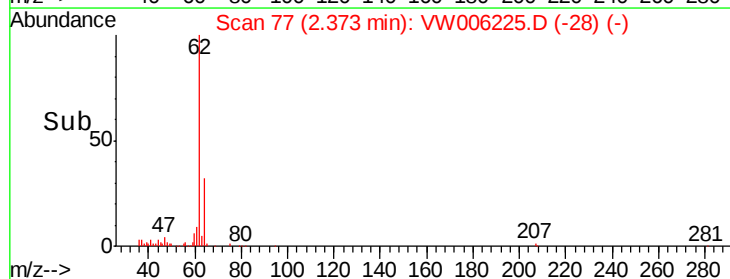
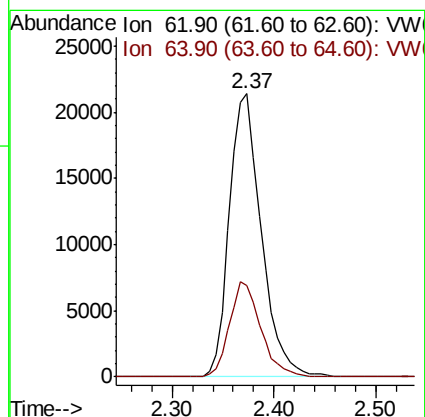
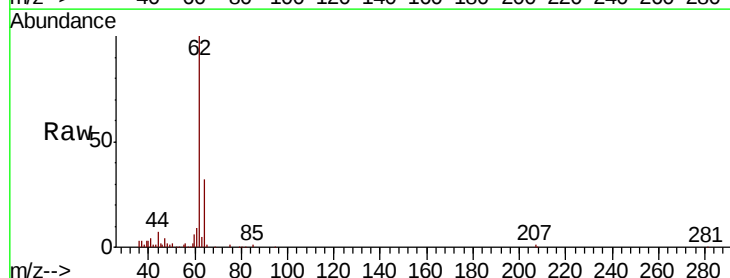
Acq: 19 Oct 2018 15:20

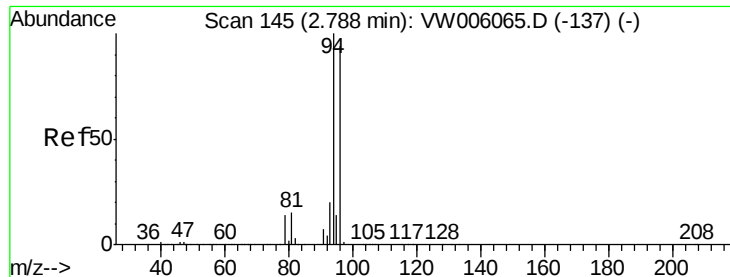
Tgt Ion: 62 Resp: 46512

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 20.084 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

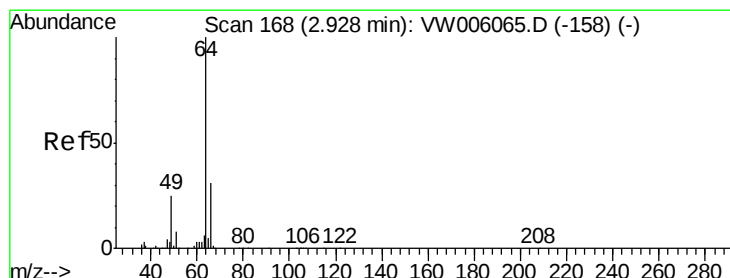
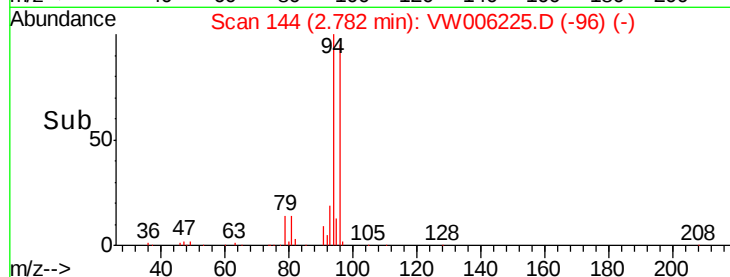
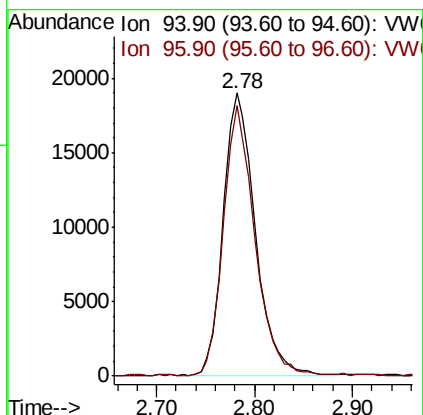
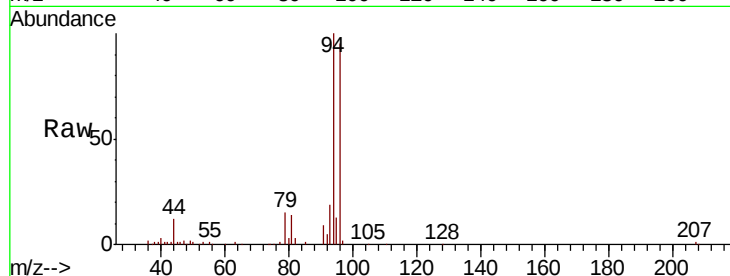
VW1019SBSD01

Tot Ion: 94 Resp: 42911

Ion Ratio Lower Upper

94 100

96 95.8 74.9 112.3



#6

Chloroethane

Concen: 19.607 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006225.D

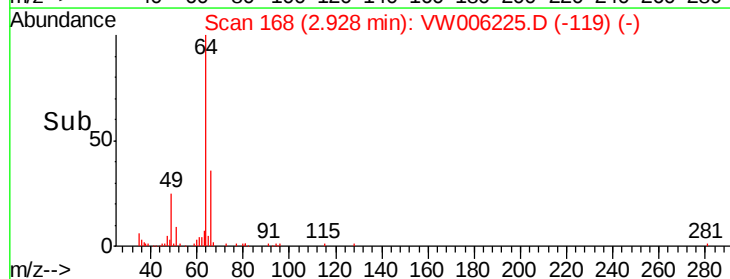
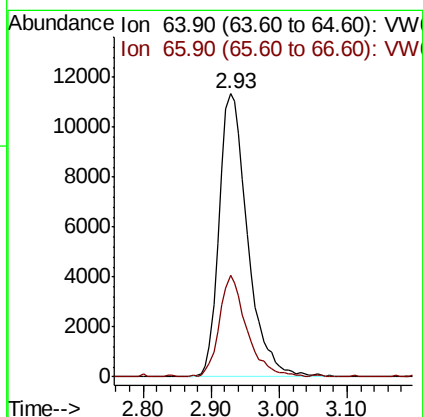
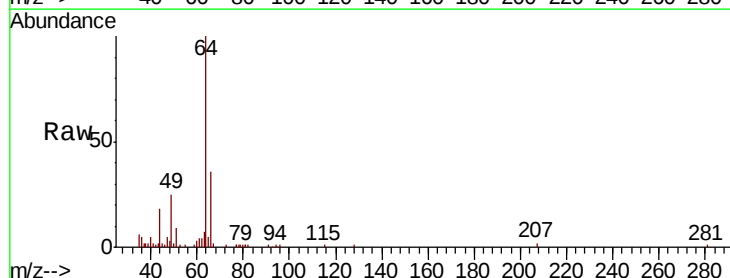
Acq: 19 Oct 2018 15:20

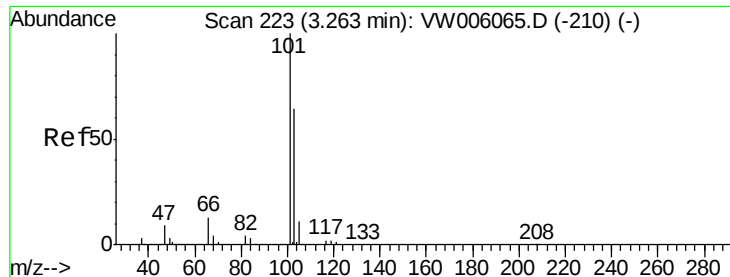
Tgt Ion: 64 Resp: 33007

Ion Ratio Lower Upper

64 100

66 36.0 24.9 37.3



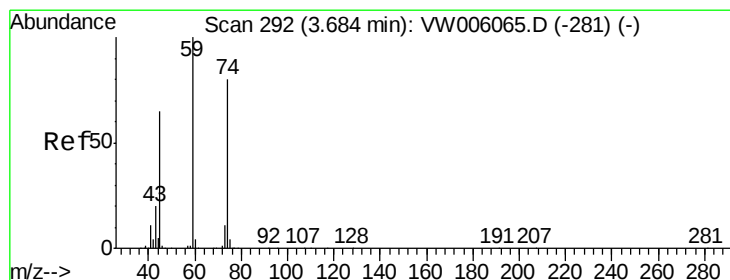
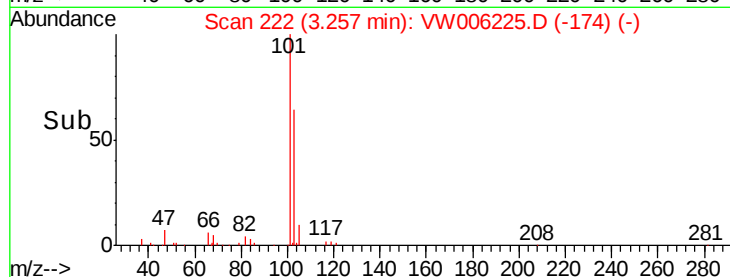
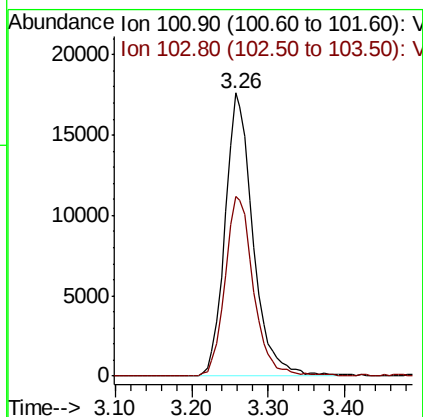
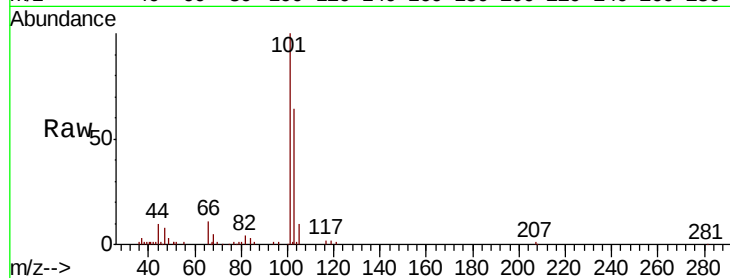


#7

Trichlorofluoromethane
 Concen: 20.332 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

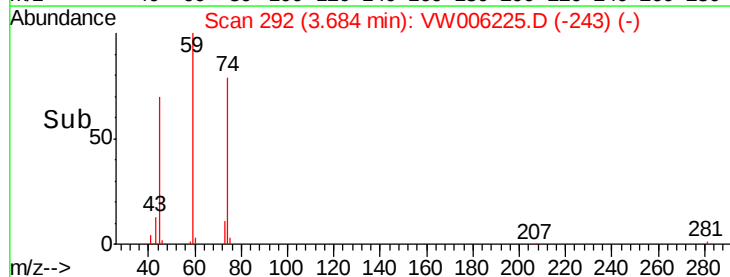
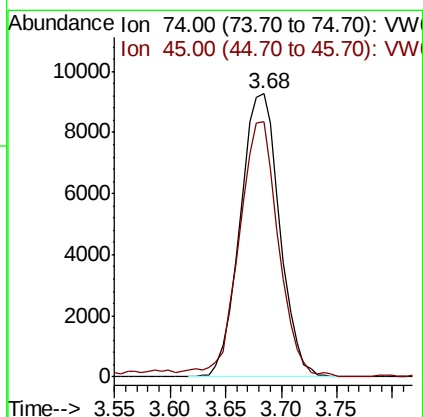
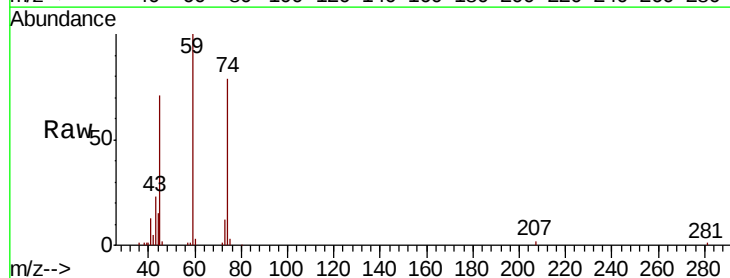
Tot Ion:101 Resp: 44493
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.2 76.8

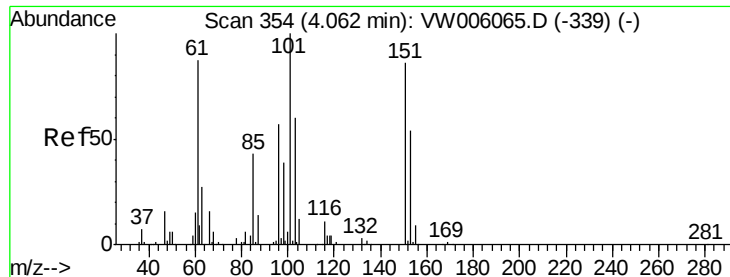


#8

Diethyl Ether
 Concen: 19.634 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Tgt Ion: 74 Resp: 22835
 Ion Ratio Lower Upper
 74 100
 45 90.3 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.148 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

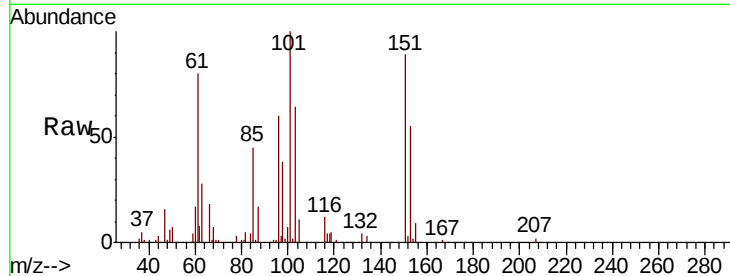
Tot Ion:101 Resp: 50793

Ion Ratio Lower Upper

101 100

85 42.2 34.9 52.3

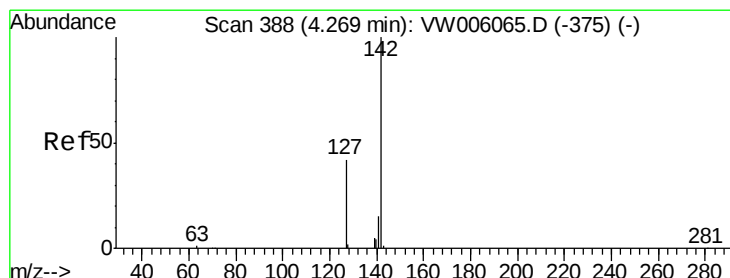
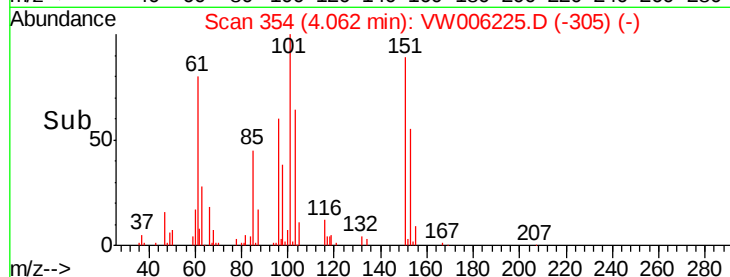
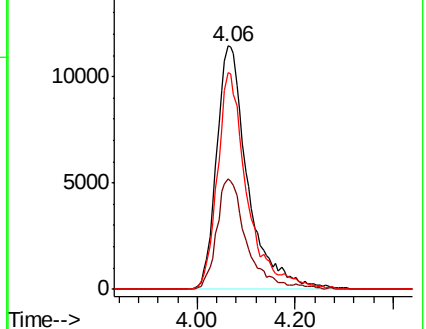
151 84.6 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.491 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

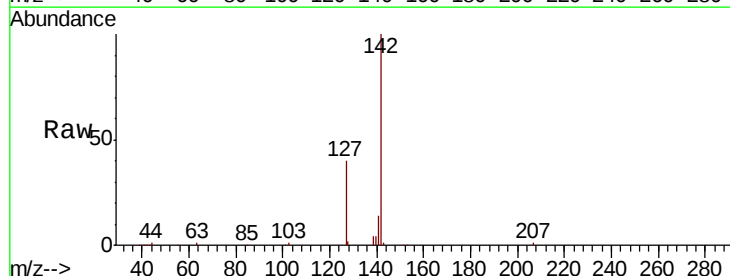
Tgt Ion:142 Resp: 82031

Ion Ratio Lower Upper

142 100

127 41.4 33.6 50.4

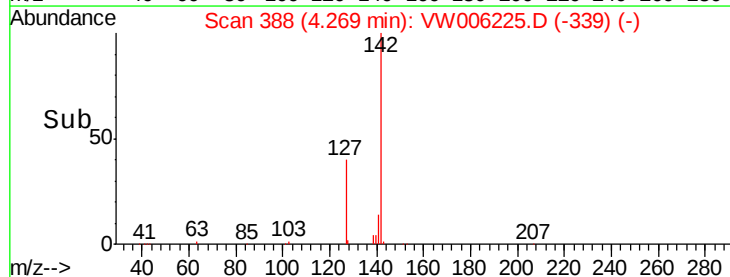
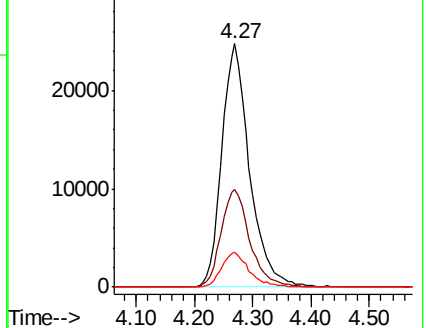
141 14.2 11.6 17.4

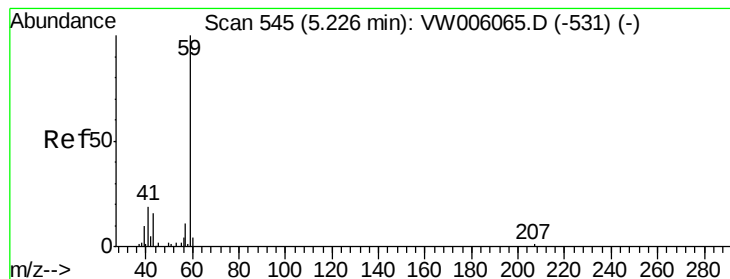


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



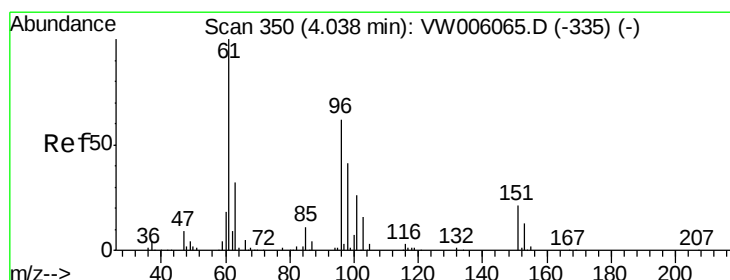
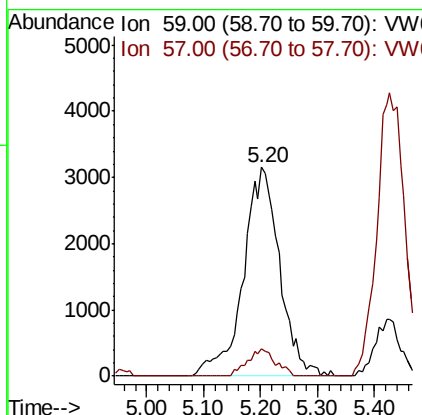
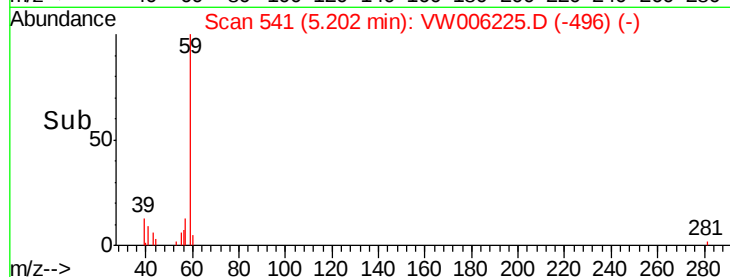
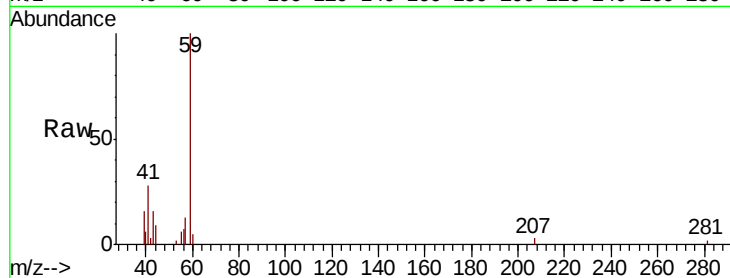


#11

Tert butyl alcohol
 Concen: 97.373 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. -0.02 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1019SBS01

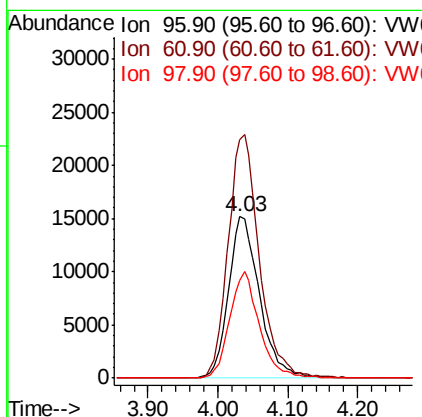
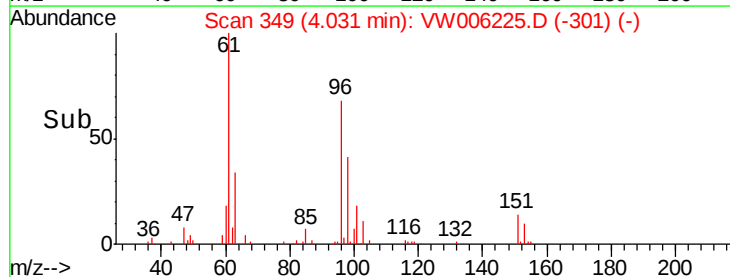
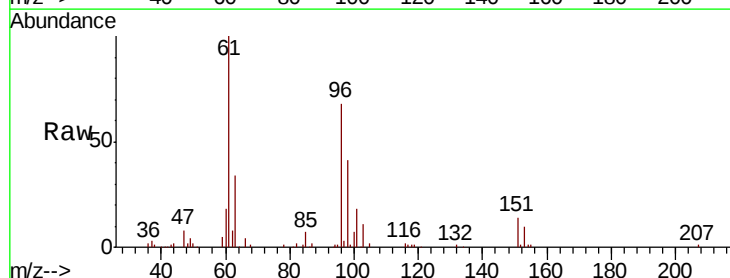
Tot Ion: 59 Resp: 14020
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.7 13.1

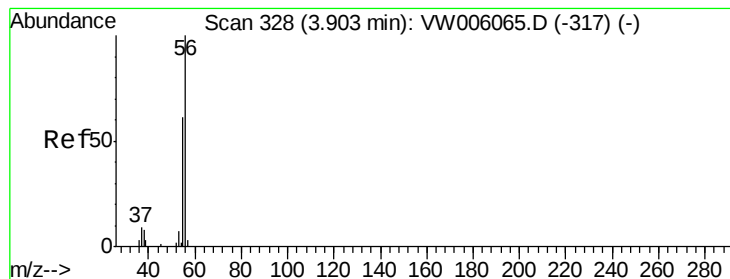


#12

1,1-Dichloroethene
 Concen: 21.681 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Tgt Ion: 96 Resp: 46778
 Ion Ratio Lower Upper
 96 100
 61 147.6 129.3 193.9
 98 60.4 53.1 79.7





#13

Acrolein

Concen: 102.468 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

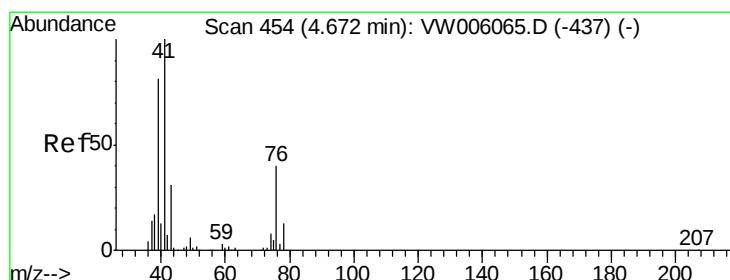
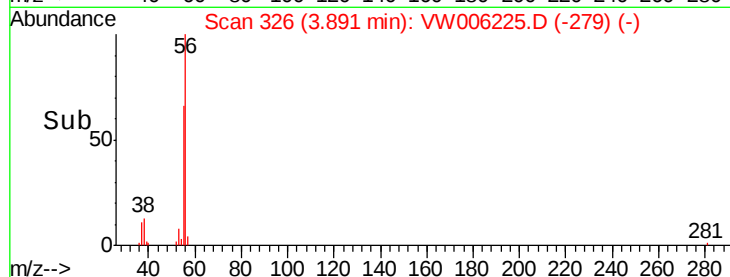
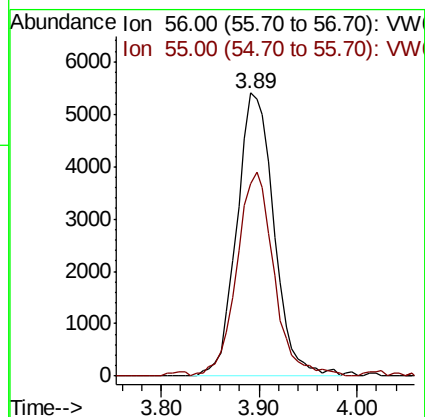
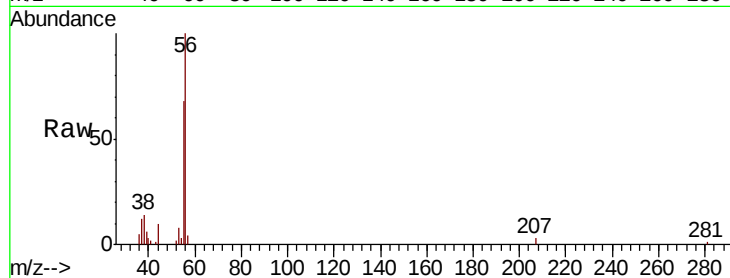
VW1019SBSD01

Tot Ion: 56 Resp: 14276

Ion Ratio Lower Upper

56 100

55 72.1 54.5 81.7



#14

Allyl chloride

Concen: 20.258 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

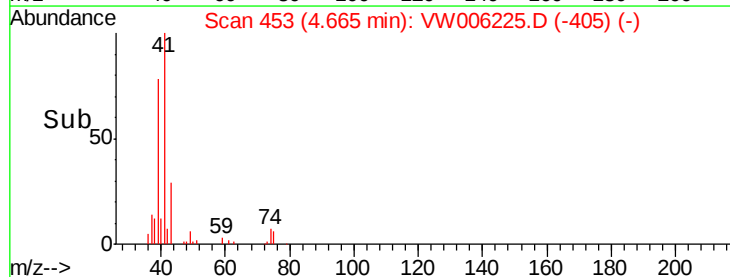
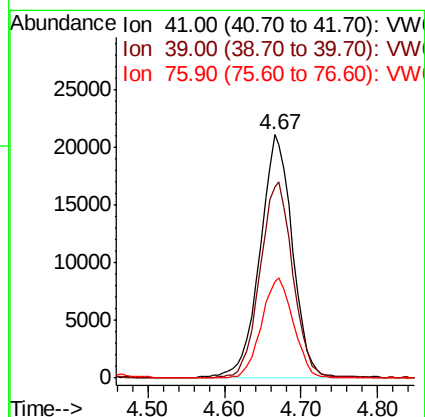
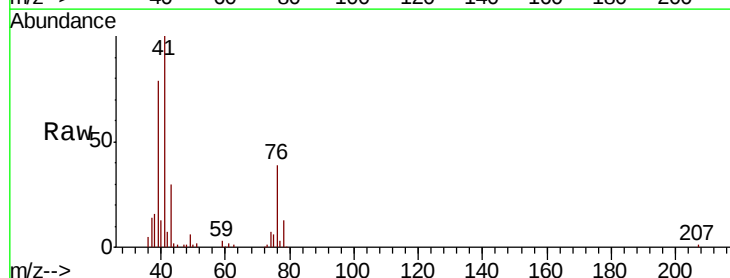
Tgt Ion: 41 Resp: 62496

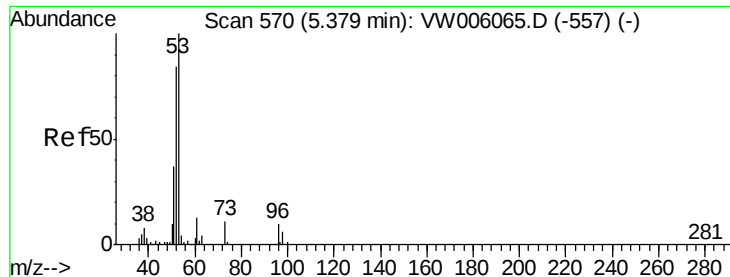
Ion Ratio Lower Upper

41 100

39 81.4 64.1 96.1

76 40.3 32.2 48.4





#15

Acrylonitrile

Concen: 106.367 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

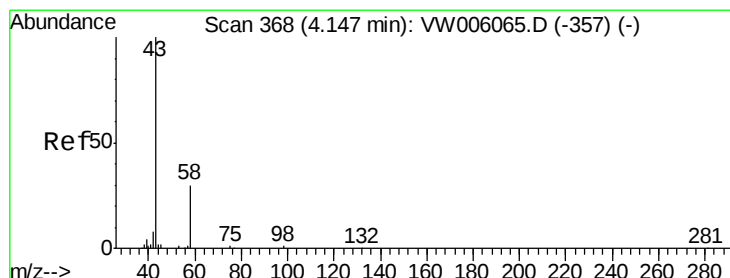
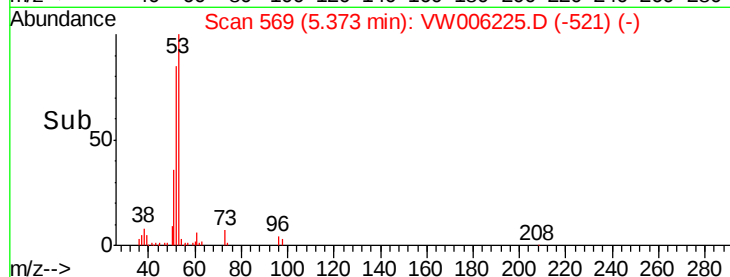
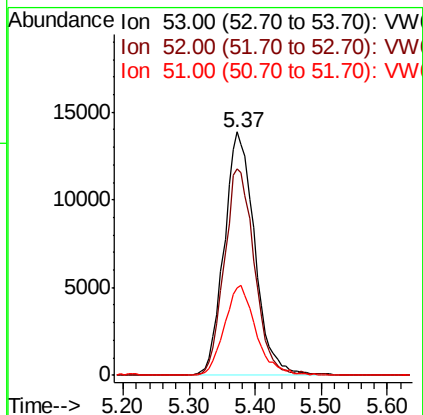
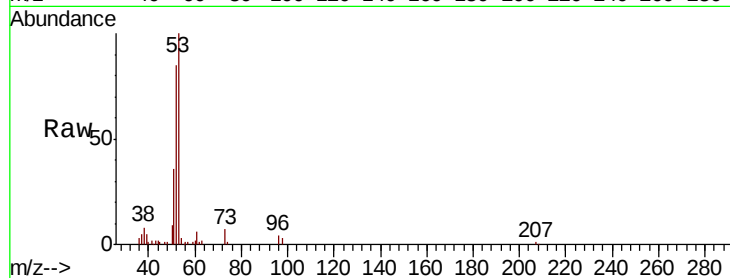
Tot Ion: 53 Resp: 44370

Ion Ratio Lower Upper

53 100

52 83.2 66.9 100.3

51 38.0 30.1 45.1



#16

Acetone

Concen: 123.082 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006225.D

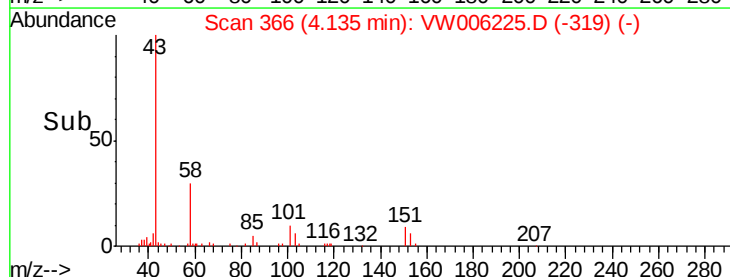
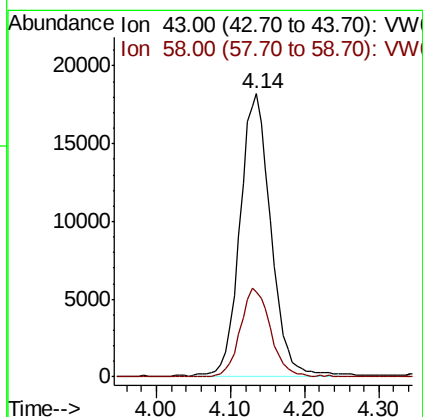
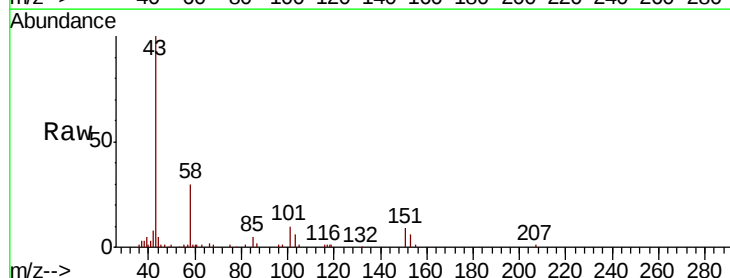
Acq: 19 Oct 2018 15:20

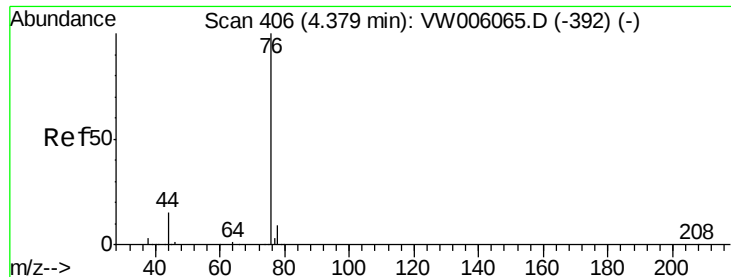
Tgt Ion: 43 Resp: 52453

Ion Ratio Lower Upper

43 100

58 30.2 24.0 36.0

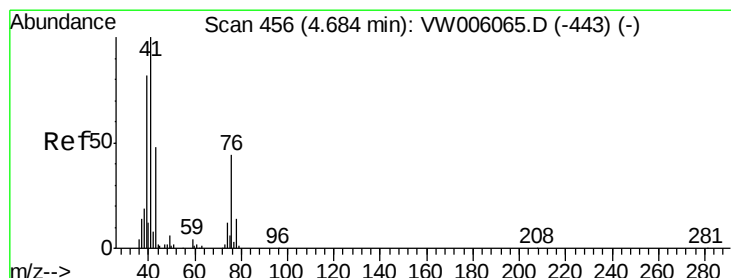
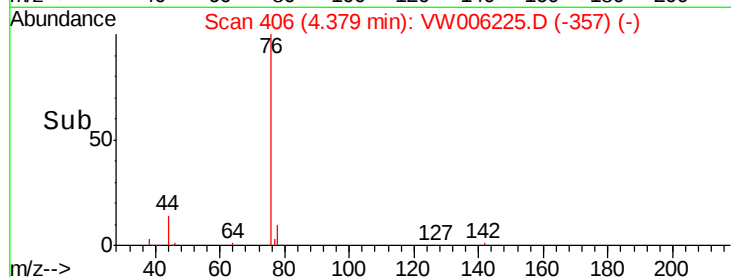
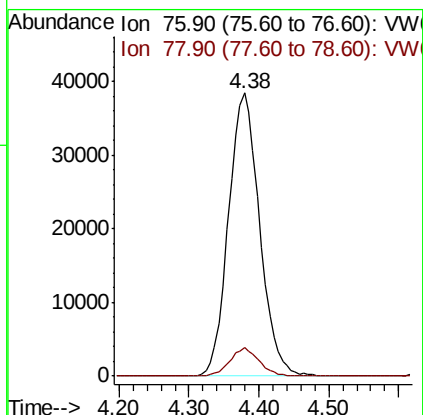
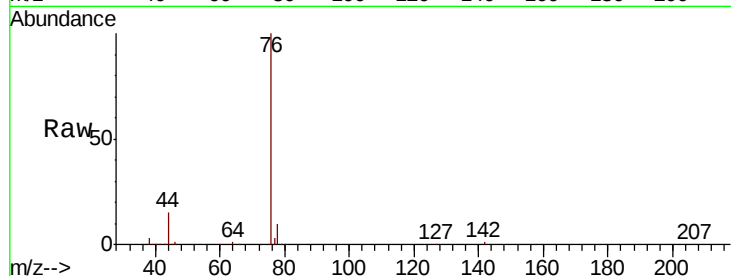




#17
Carbon Disulfide
Concen: 18.250 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

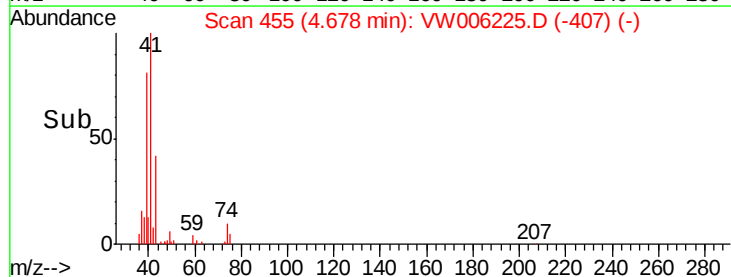
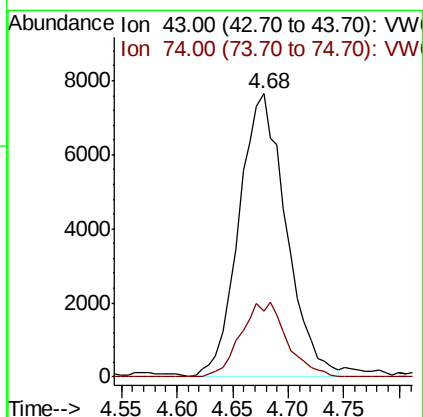
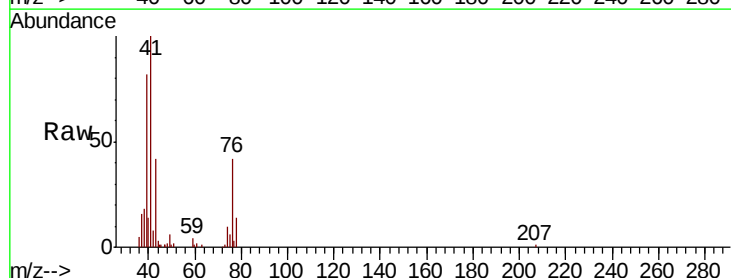
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

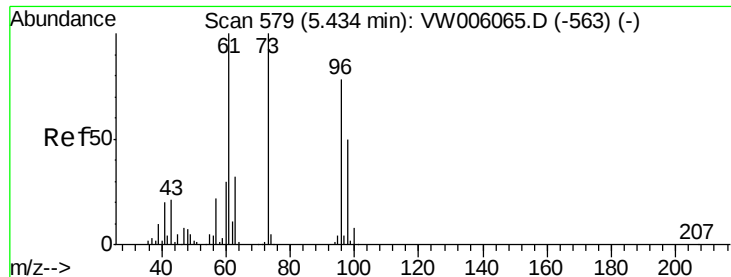
Tot Ion: 76 Resp: 118838
Ion Ratio Lower Upper
76 100
78 10.2 7.5 11.3



#18
Methyl Acetate
Concen: 20.882 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion: 43 Resp: 22498
Ion Ratio Lower Upper
43 100
74 25.8 20.5 30.7

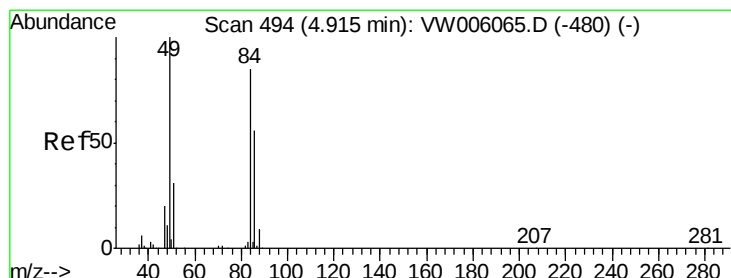
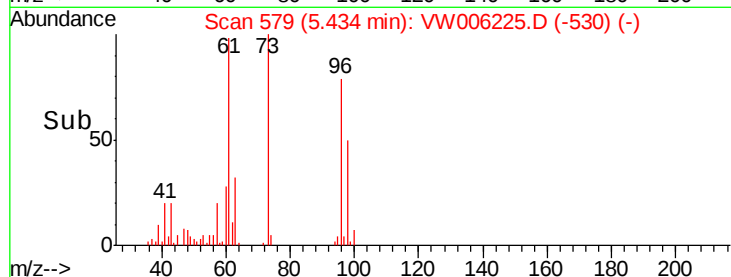
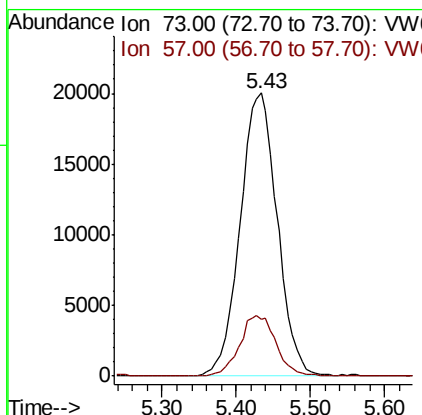
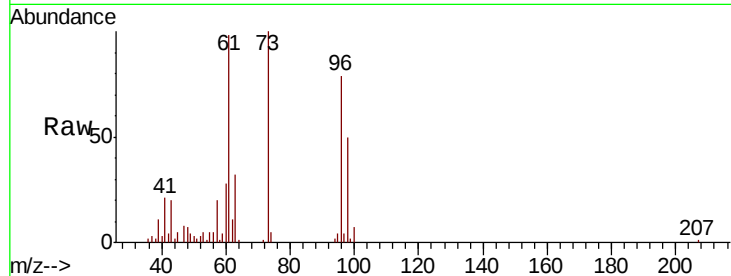




#19
Methvl tert-butvl Ether
Concen: 21.287 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

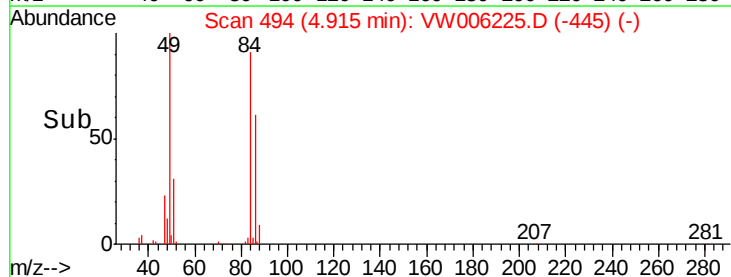
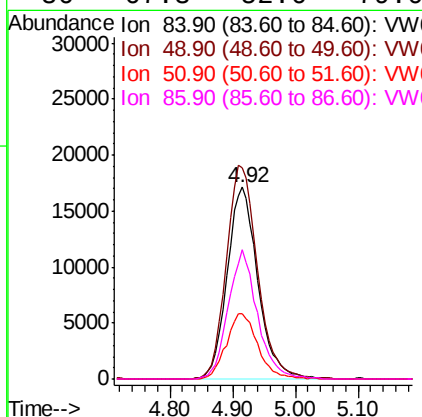
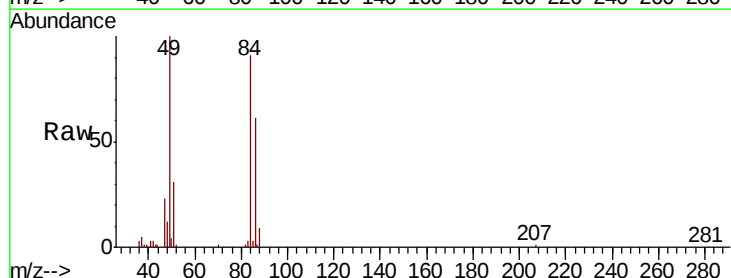
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

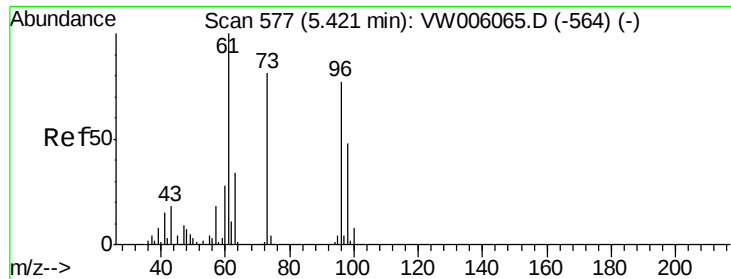
Tot Ion: 73 Resp: 69955
Ion Ratio Lower Upper
73 100
57 20.1 17.4 26.2



#20
Methylene Chloride
Concen: 24.844 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion: 84 Resp: 58133
Ion Ratio Lower Upper
84 100
49 109.9 93.6 140.4
51 33.7 29.0 43.4
86 67.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.846 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

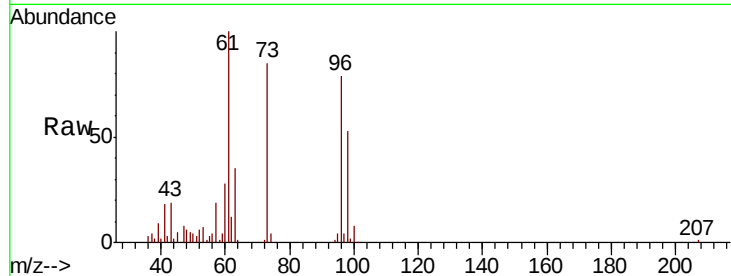
Tot Ion: 96 Resp: 52612

Ion Ratio Lower Upper

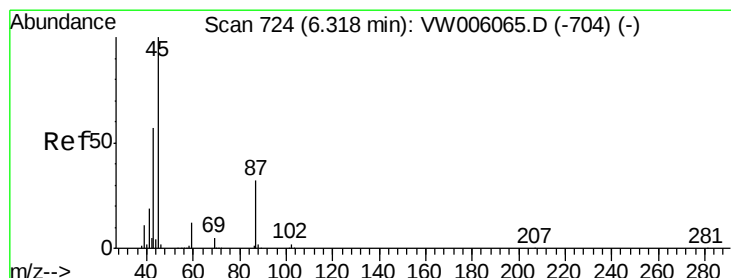
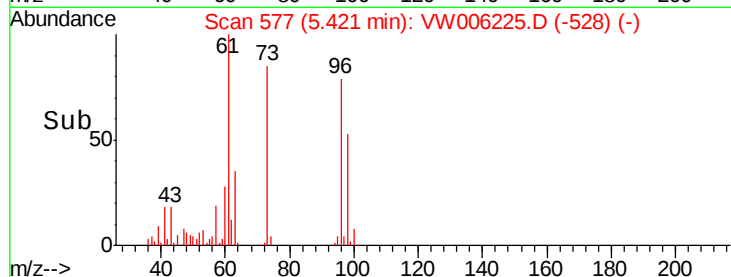
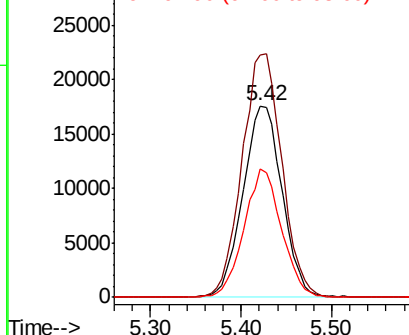
96 100

61 126.3 104.5 156.7

98 66.8 50.6 75.8



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



#22

Diisopropyl ether

Concen: 21.631 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Tgt Ion: 45 Resp: 131870

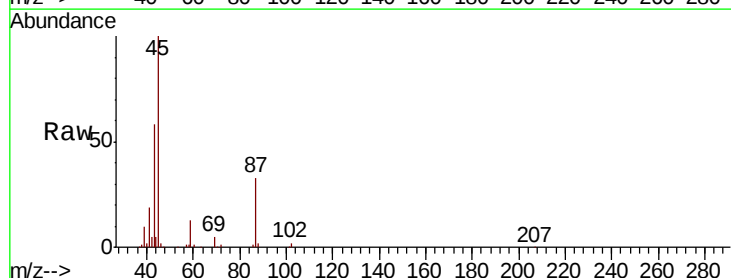
Ion Ratio Lower Upper

45 100

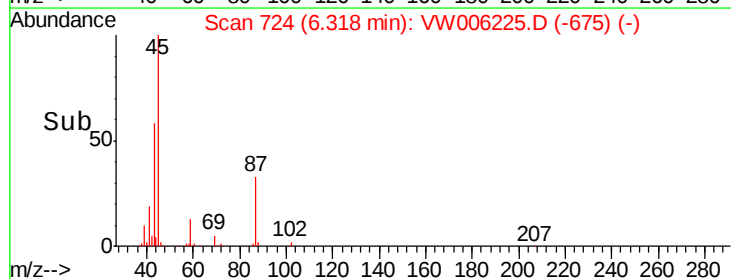
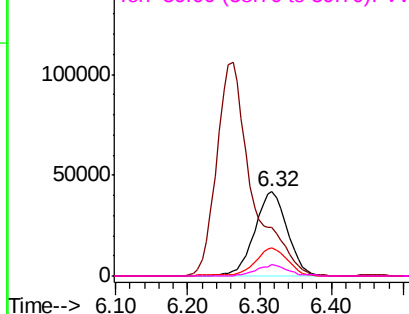
43 57.8 45.7 68.5

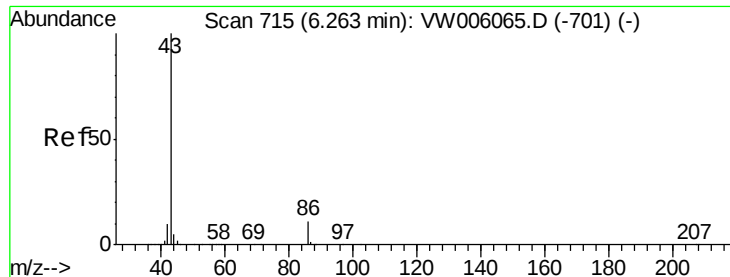
87 33.1 25.9 38.9

59 13.1 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 100.307 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

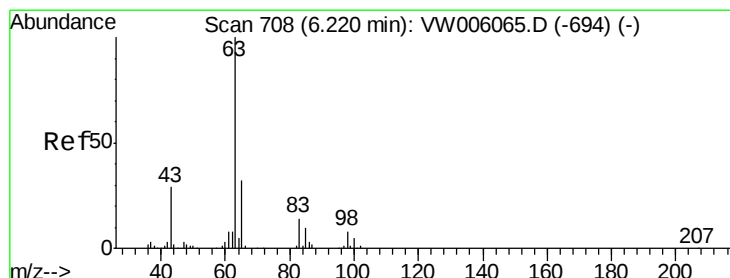
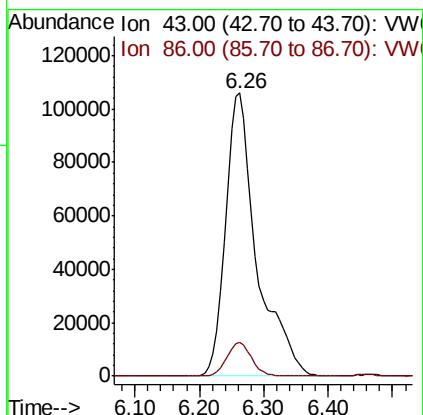
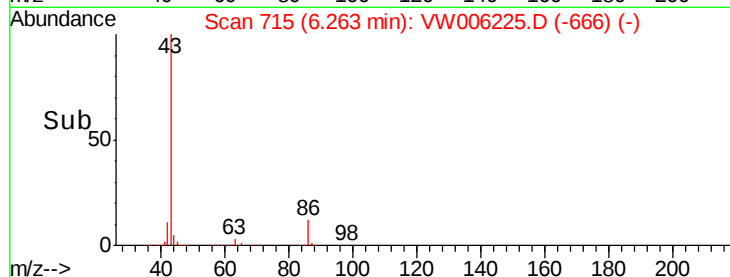
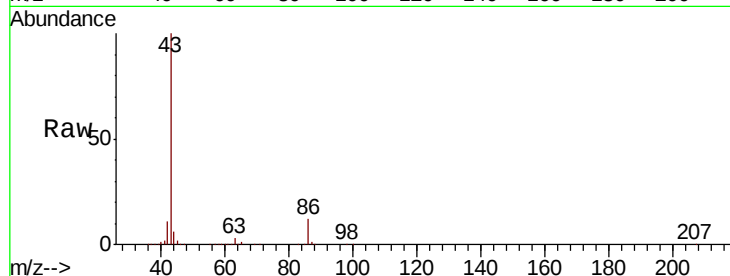
VW1019SBSD01

Tot Ion: 43 Resp: 360888

Ion Ratio Lower Upper

43 100

86 11.8 9.0 13.6



#24

1,1-Dichloroethane

Concen: 22.275 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

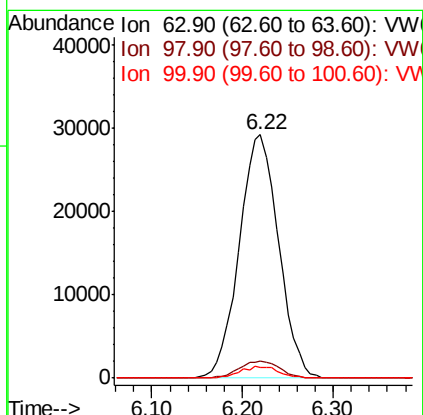
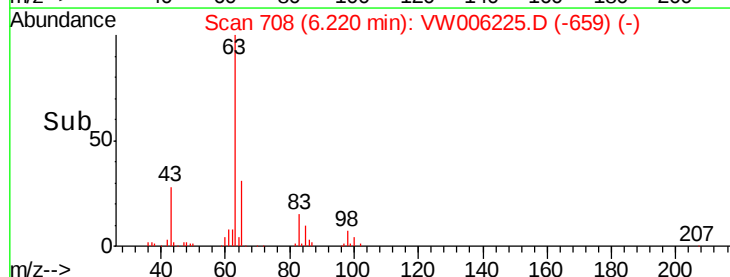
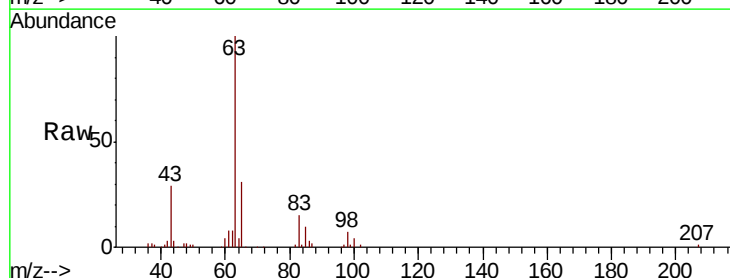
Tgt Ion: 63 Resp: 87625

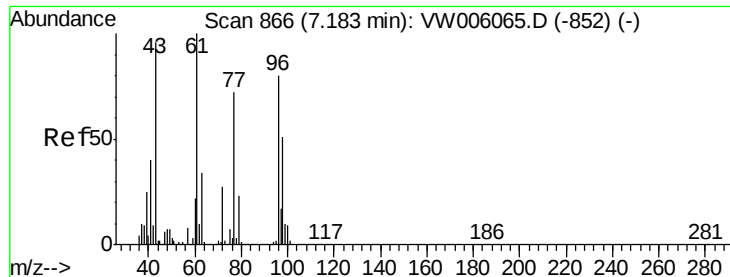
Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.2

100 4.2 2.5 7.5





#25

2-Butanone

Concen: 111.903 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

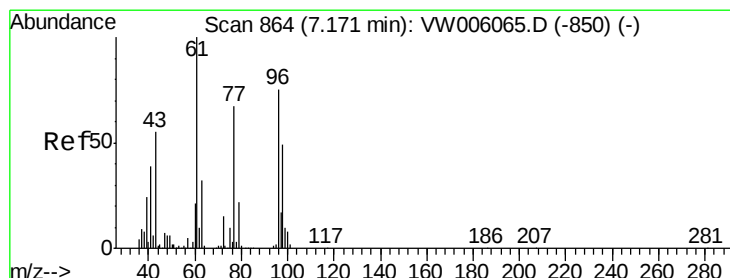
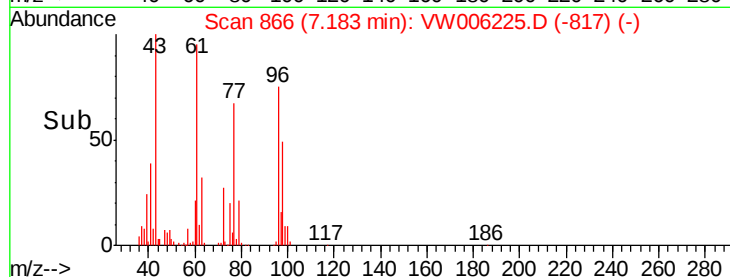
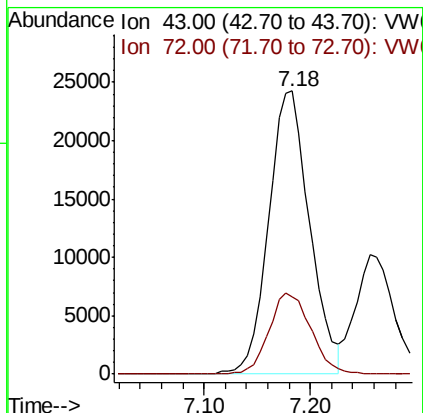
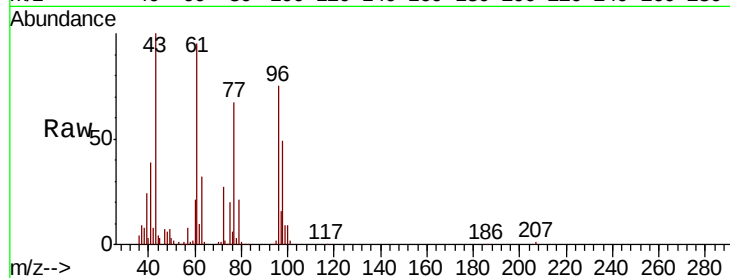
VW1019SBSD01

Tot Ion: 43 Resp: 64719

Ion Ratio Lower Upper

43 100

72 27.3 22.8 34.2



#26

2,2-Dichloropropane

Concen: 20.886 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006225.D

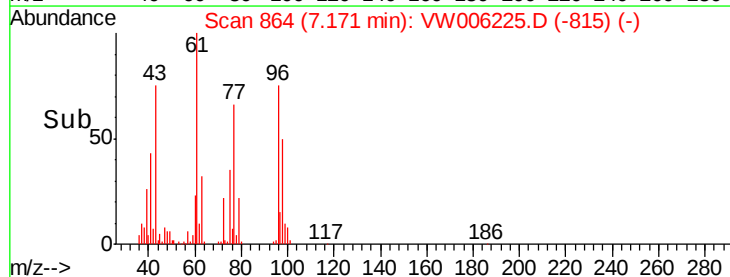
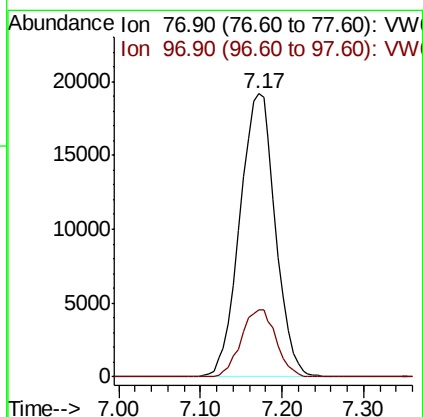
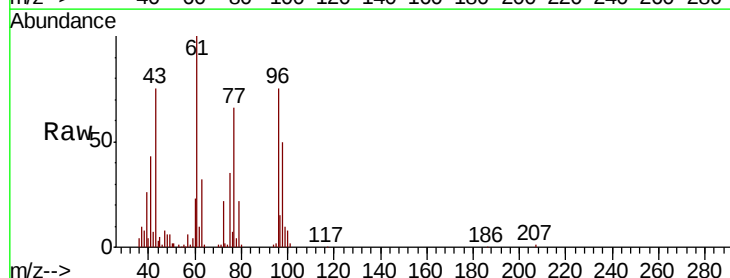
Acq: 19 Oct 2018 15:20

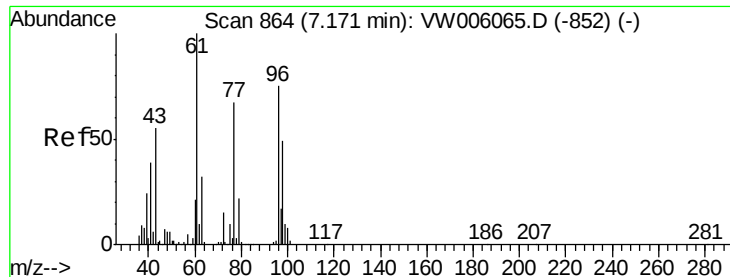
Tgt Ion: 77 Resp: 57948

Ion Ratio Lower Upper

77 100

97 23.3 12.2 36.4



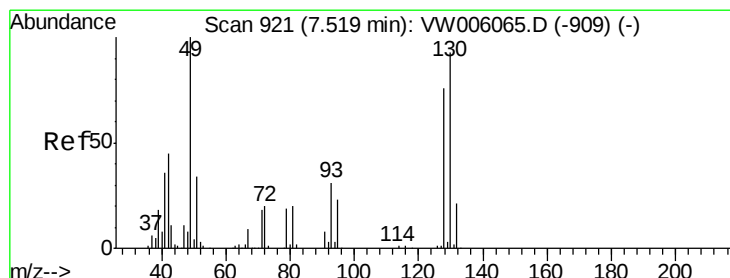
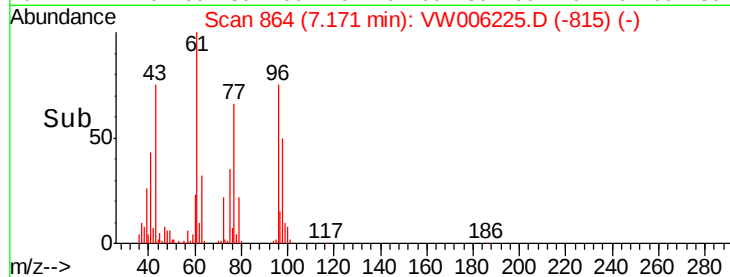
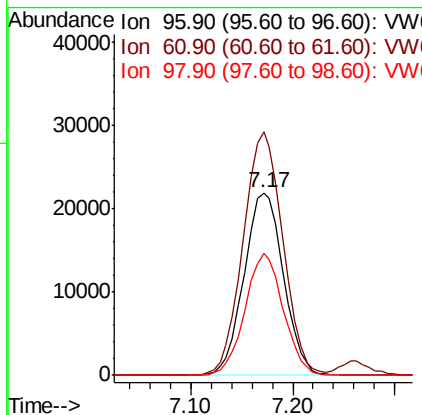
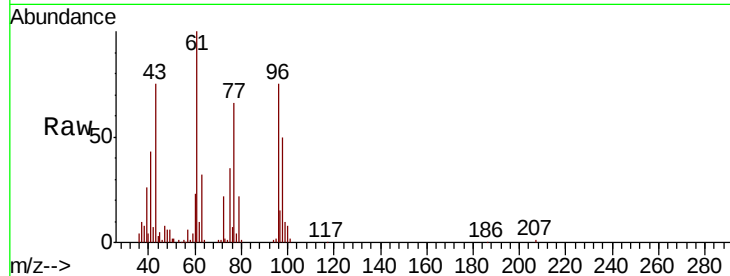


#27

cis-1,2-Dichloroethene
 Concen: 22.101 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBSD01

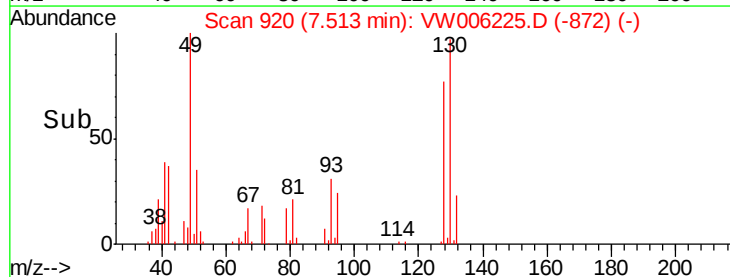
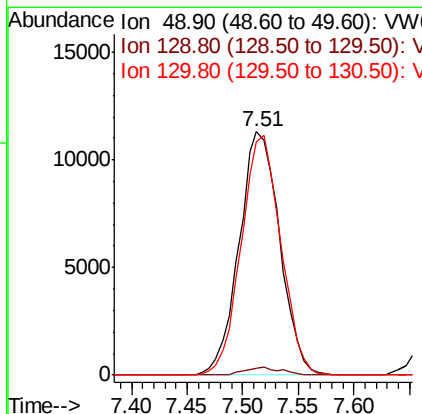
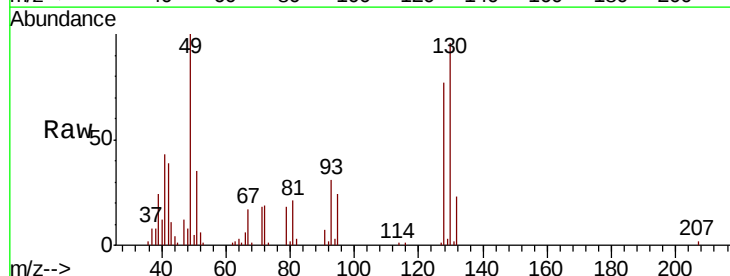
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	267.2
98	64.7	0.0	128.6

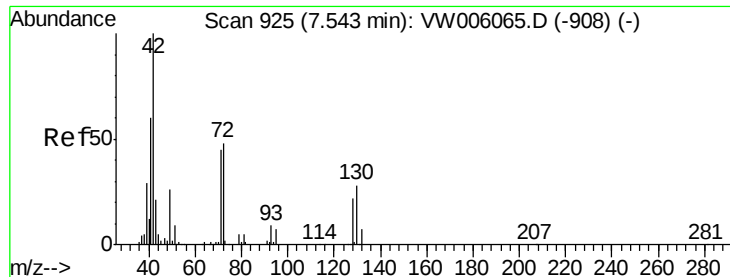


#28

Bromochloromethane
 Concen: 18.865 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	95.9	73.8	110.8





#29

Tetrahydrofuran

Concen: 100.867 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

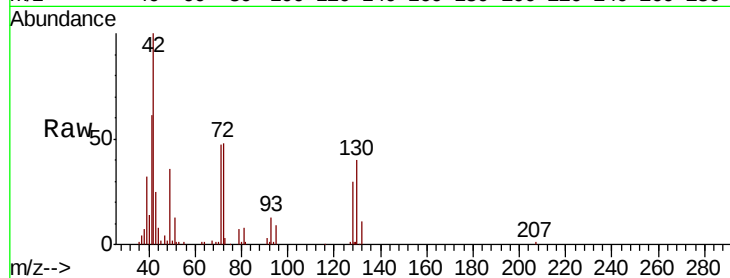
Tot Ion: 42 Resp: 35858

Ion Ratio Lower Upper

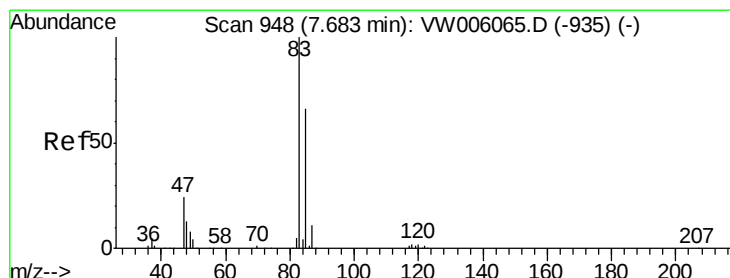
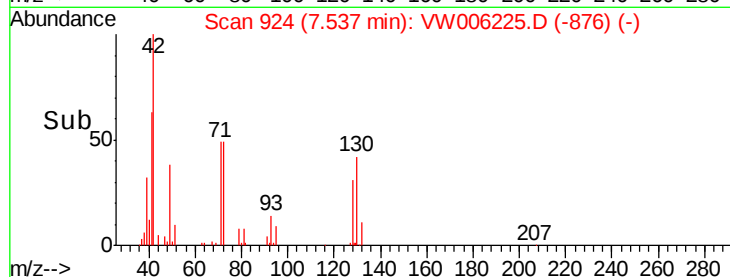
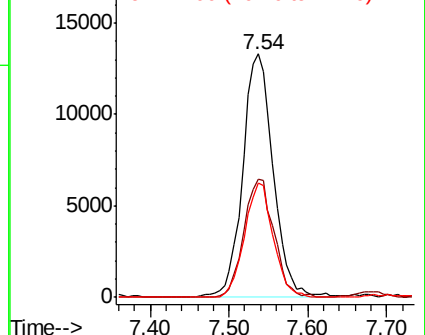
42 100

72 47.7 38.0 57.0

71 44.0 35.3 52.9



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: 22.140 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006225.D

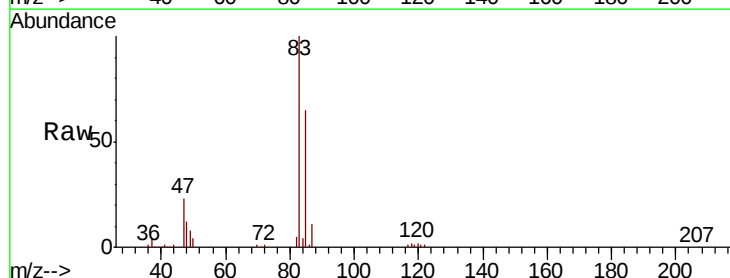
Acq: 19 Oct 2018 15:20

Tgt Ion: 83 Resp: 94889

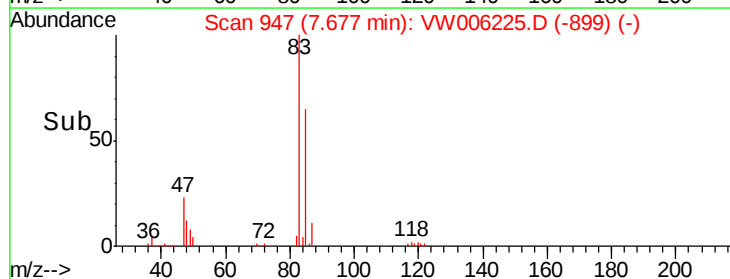
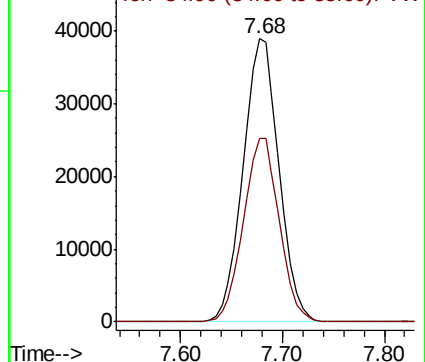
Ion Ratio Lower Upper

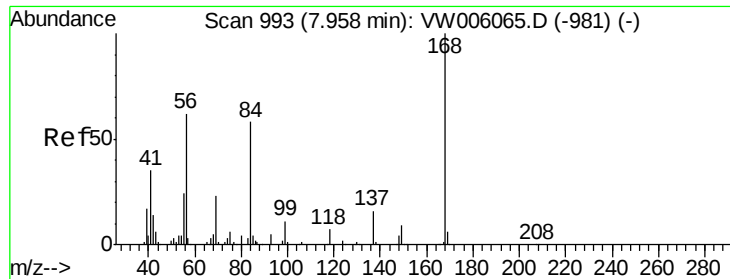
83 100

85 64.7 52.6 79.0



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

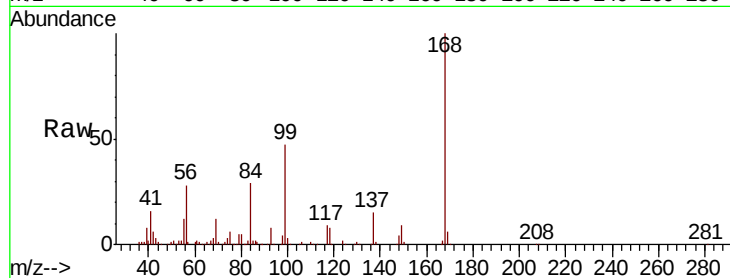




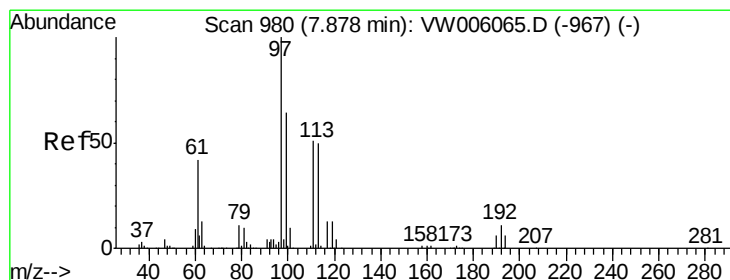
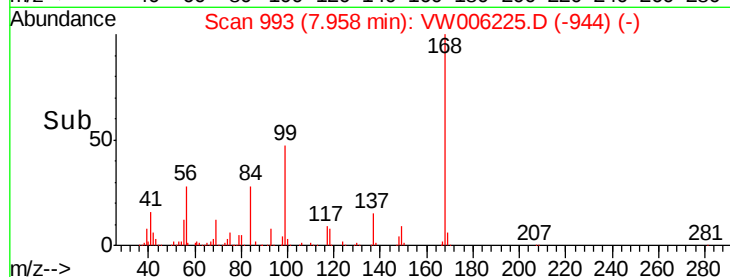
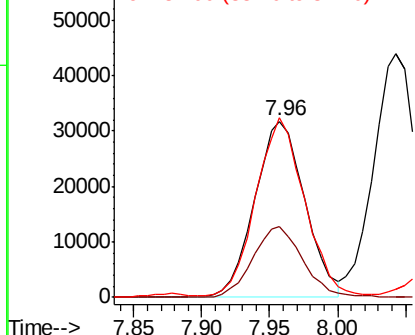
#31
Cvclohexane
Concen: 20.942 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

Tot Ion: 56 Resp: 82038
Ion Ratio Lower Upper
56 100
69 40.6 29.4 44.0
84 101.0 74.0 111.0

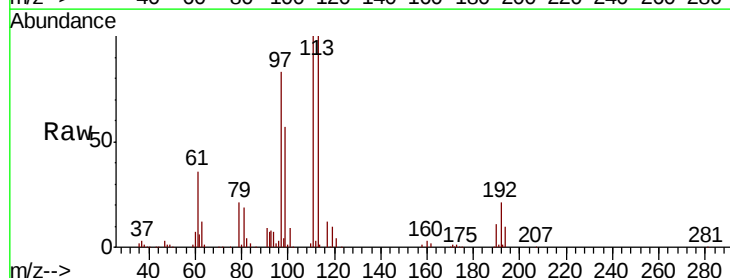


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

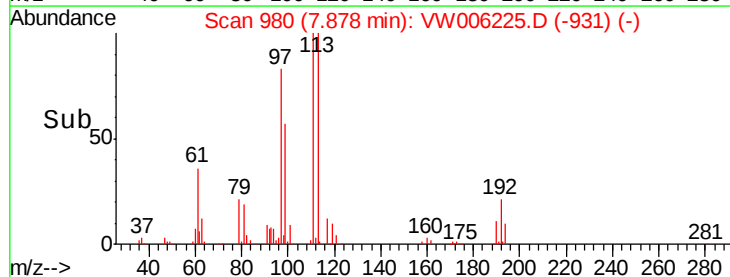
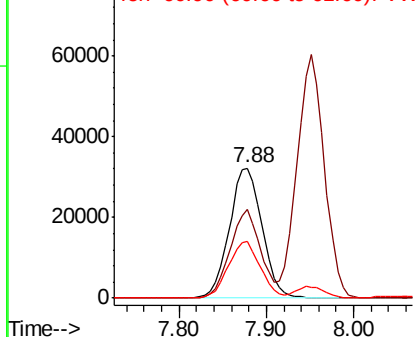


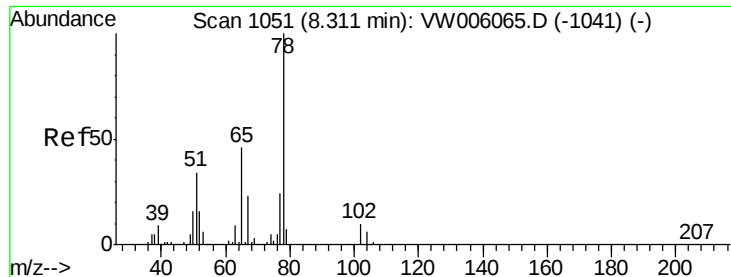
#32
1,1,1-Trichloroethane
Concen: 21.606 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion: 97 Resp: 83531
Ion Ratio Lower Upper
97 100
99 62.9 50.9 76.3
61 42.8 33.7 50.5



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

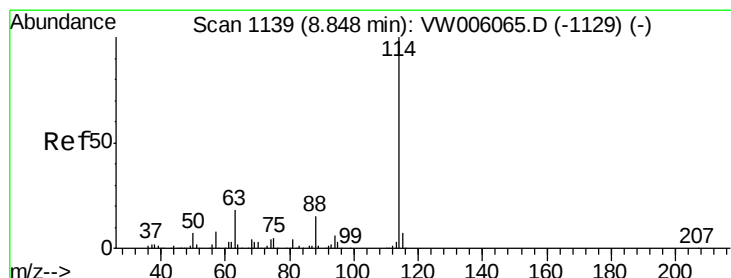
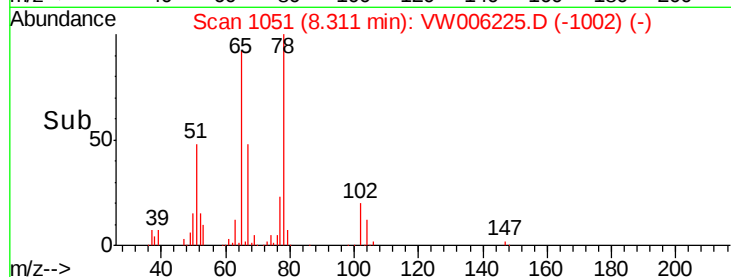
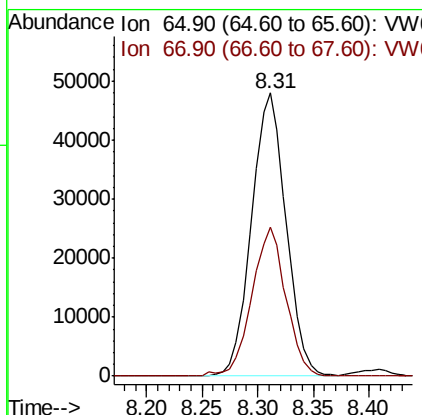
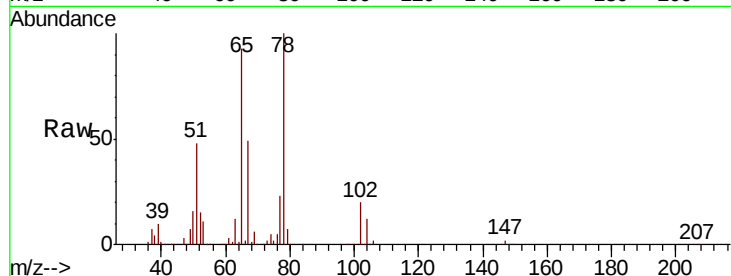




#33
 1,2-Dichloroethane-d4
 Concen: 48.470 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

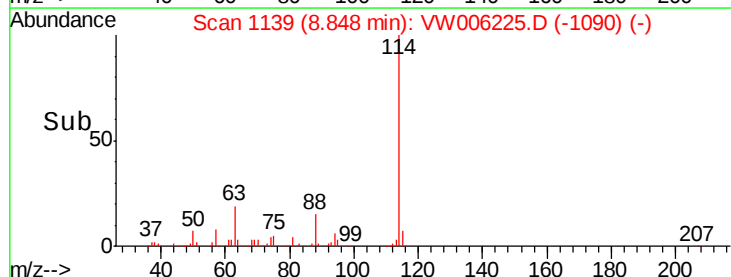
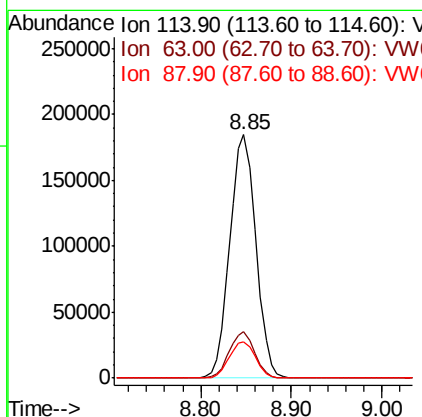
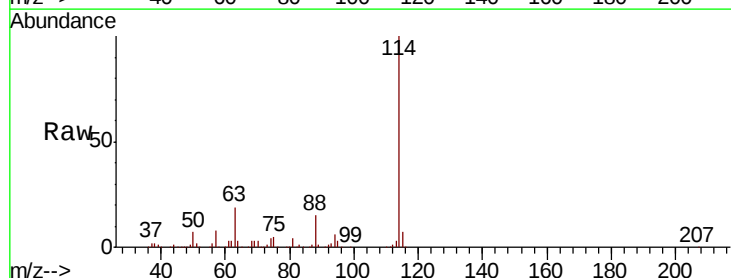
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBSD01

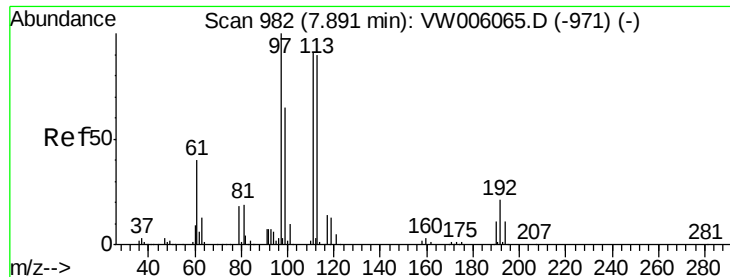
Tot Ion: 65 Resp: 103767
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Tgt Ion: 114 Resp: 368249
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.8
 88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.611 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

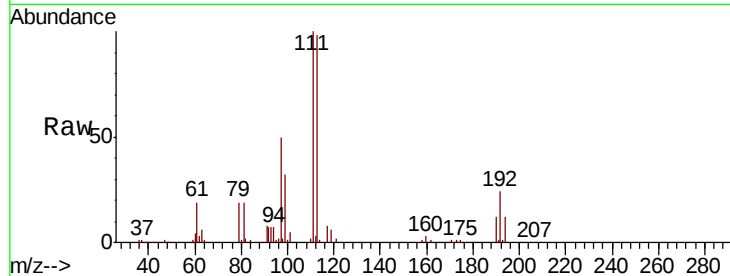
Tot Ion:113 Resp: 107951

Ion Ratio Lower Upper

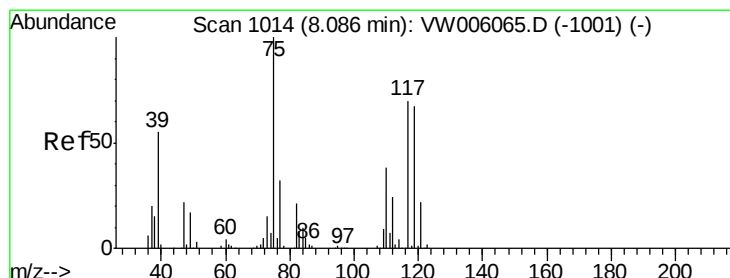
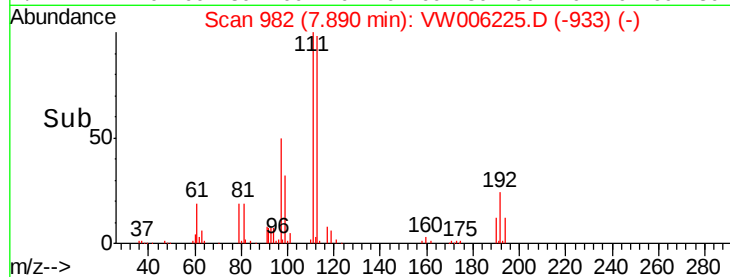
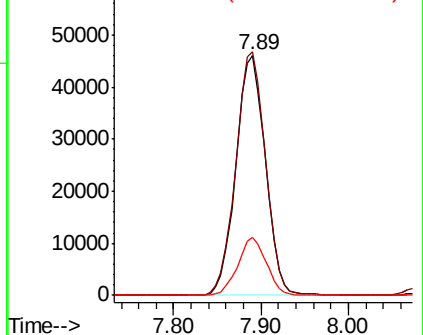
113 100

111 102.2 81.4 122.0

192 23.2 18.7 28.1



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



#36

1,1-Dichloropropene

Concen: 22.602 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

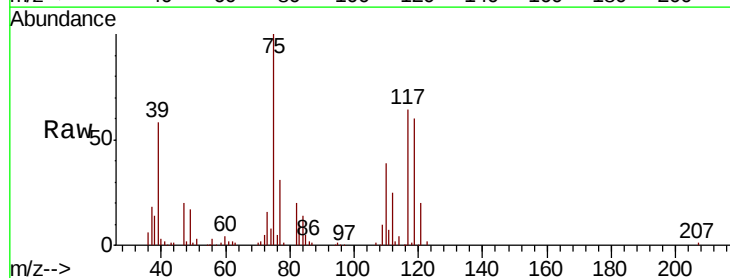
Tgt Ion: 75 Resp: 76717

Ion Ratio Lower Upper

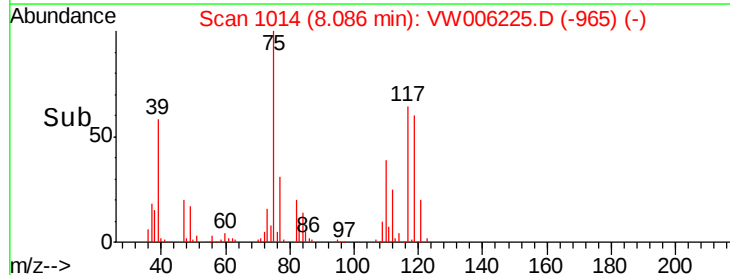
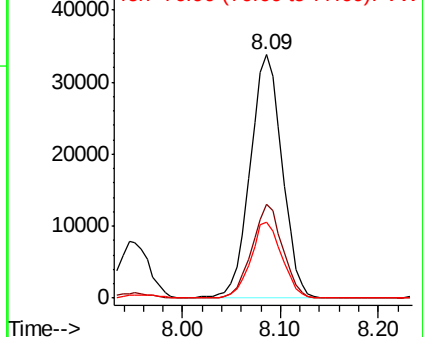
75 100

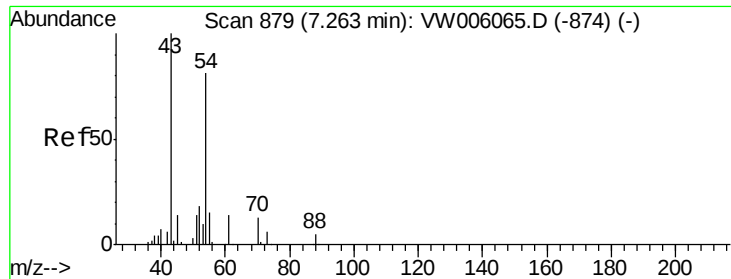
110 36.8 19.1 57.1

77 30.4 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

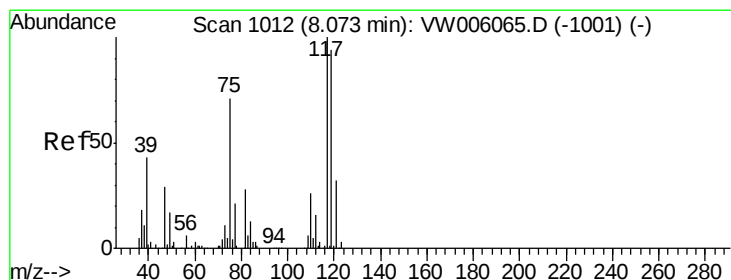
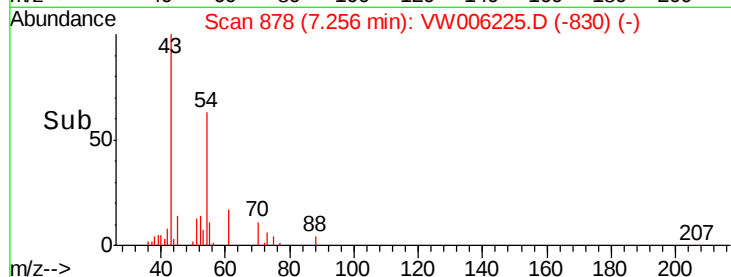
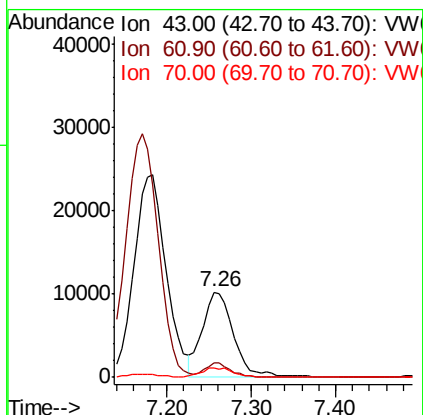
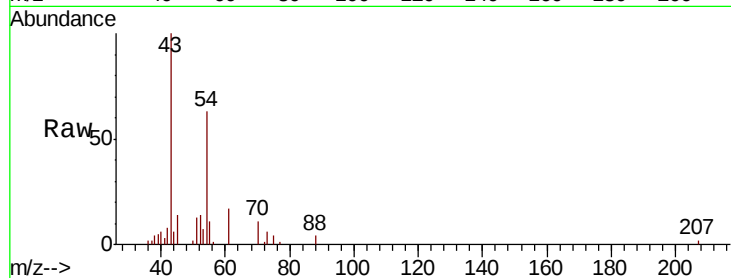




#37
Ethyl Acetate
Concen: 20.681 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

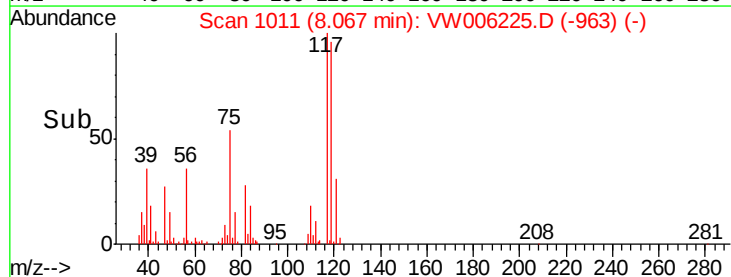
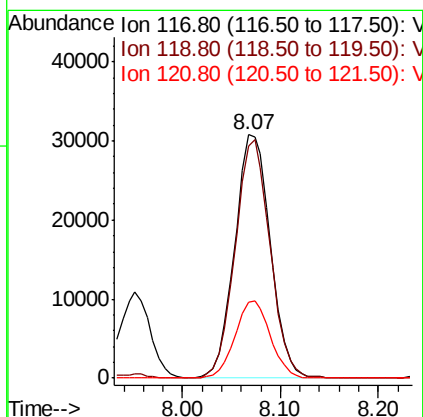
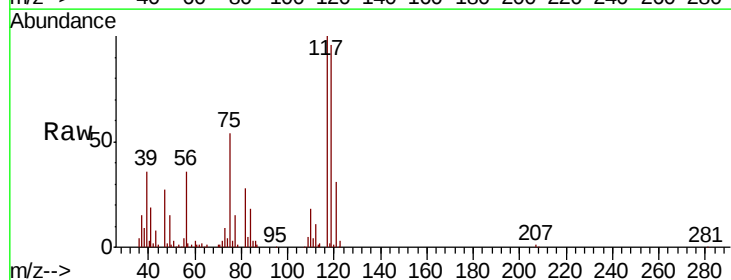
Instrument :
MSVOA_W
ClientSampleID :
VW1019SBS01

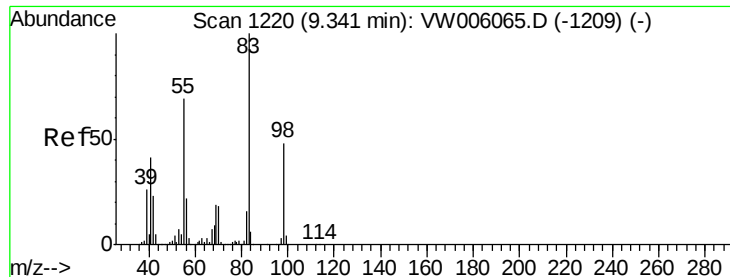
Tot Ion: 43 Resp: 26081
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 11.3 9.2 13.8



#38
Carbon Tetrachloride
Concen: 20.899 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion: 117 Resp: 77764
Ion Ratio Lower Upper
117 100
119 95.5 75.2 112.8
121 31.0 25.3 37.9

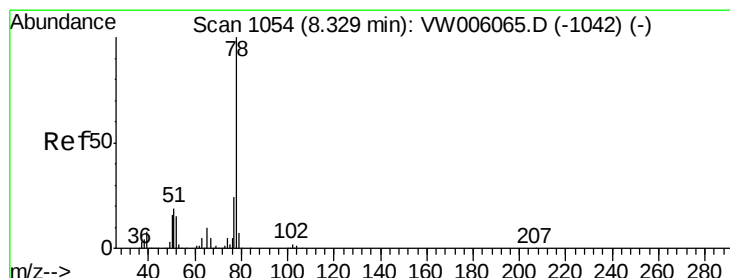
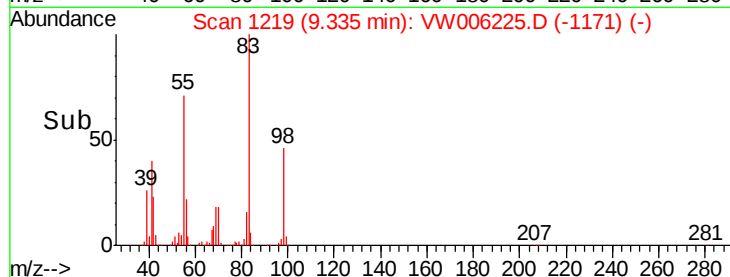
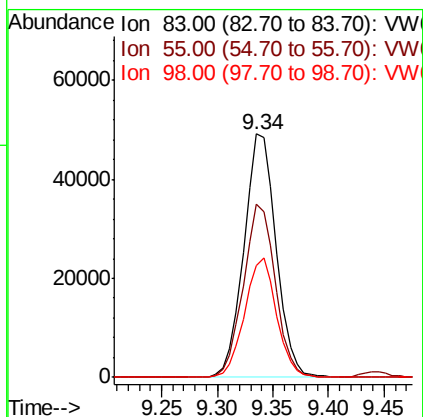
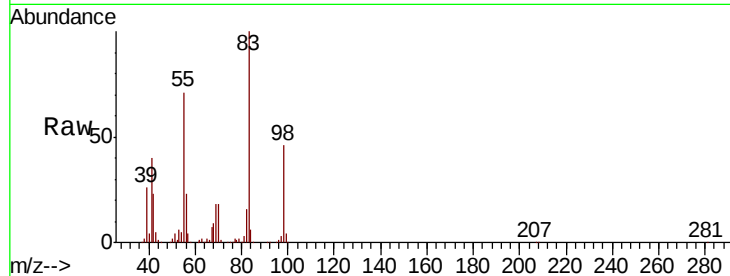




#39
Methvlcvclohexane
Concen: 21.975 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

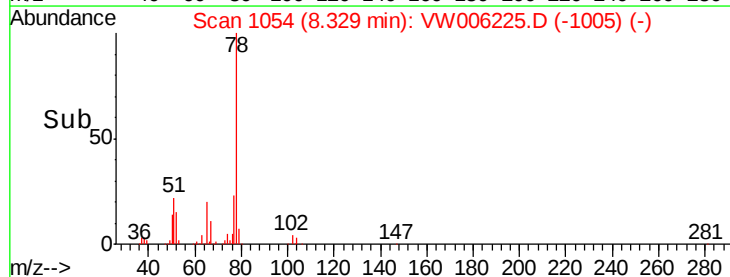
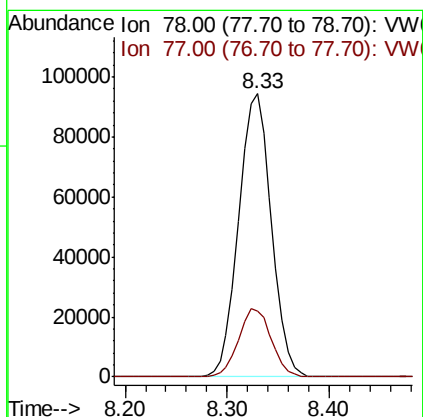
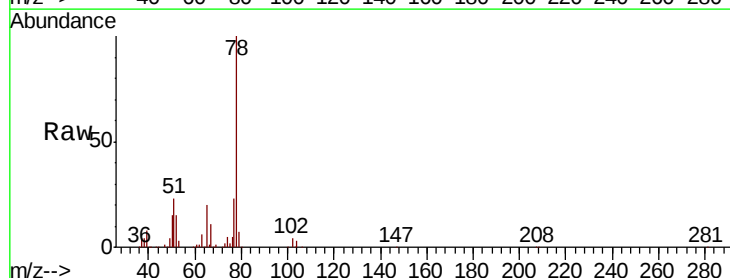
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

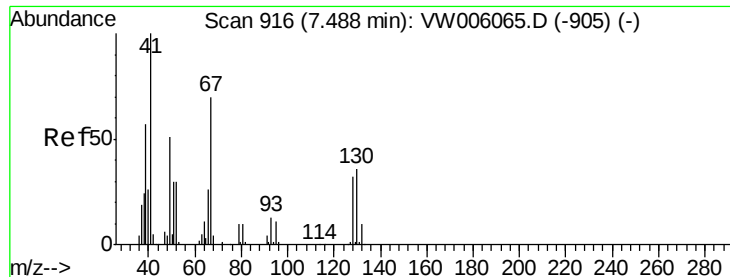
Tot Ion: 83 Resp: 99149
Ion Ratio Lower Upper
83 100
55 71.2 55.0 82.6
98 45.8 38.6 57.8



#40
Benzene
Concen: 22.548 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion: 78 Resp: 209934
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0

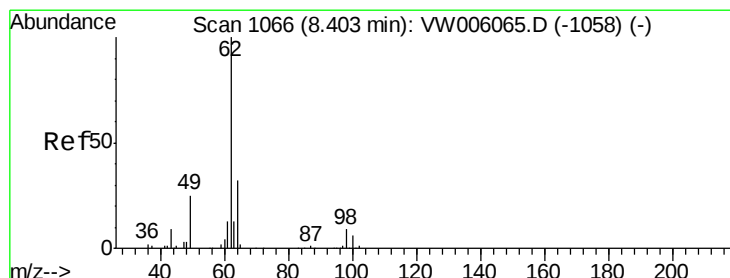
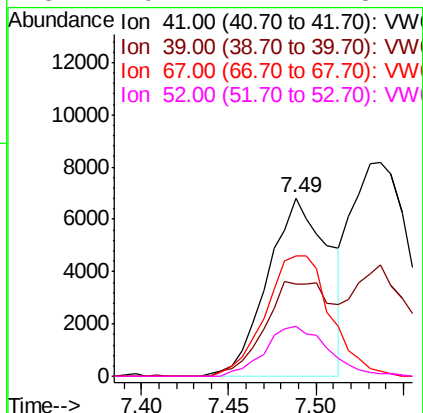
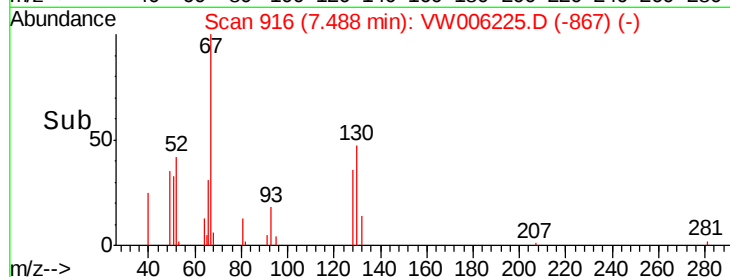
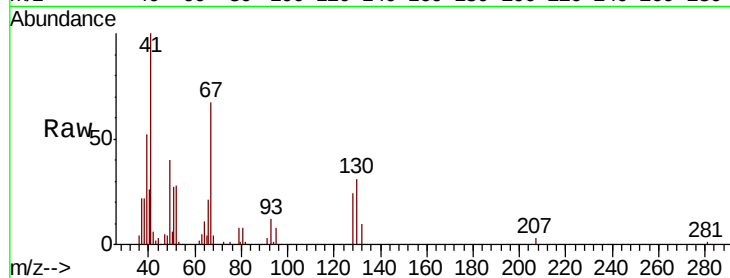




#41
Methacrylonitrile
Concen: 21.971 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

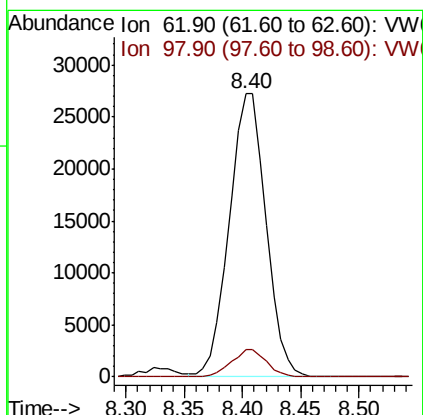
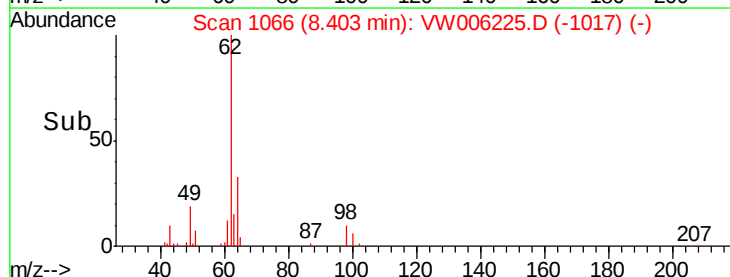
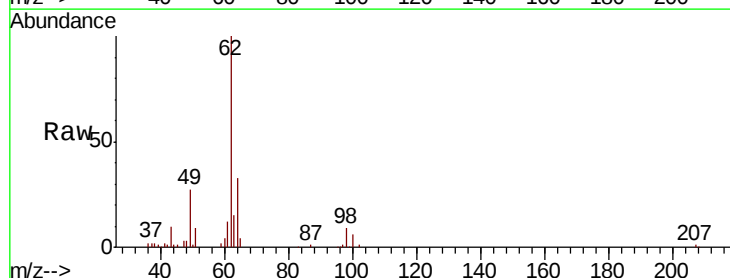
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

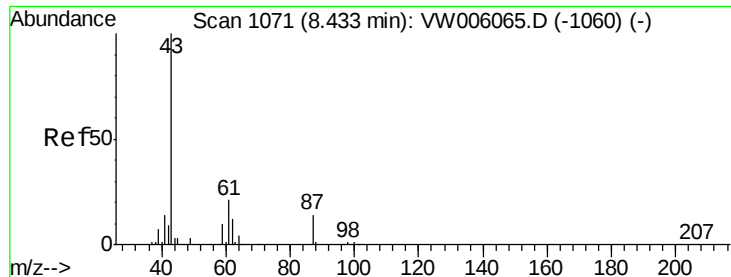
Tot Ion:	41	Resp:	16703
Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.2	69.4
67	71.2	57.7	86.5
52	29.4	24.7	37.1



#42
1,2-Dichloroethane
Concen: 21.922 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion:	62	Resp:	59966
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 19.843 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

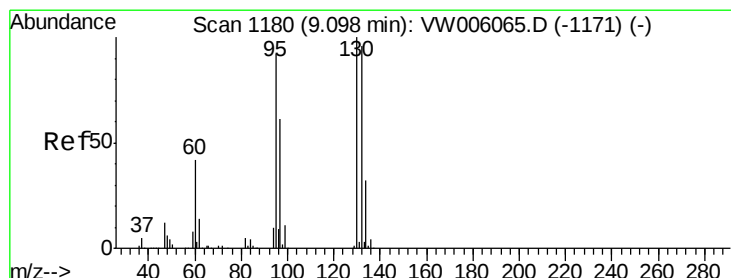
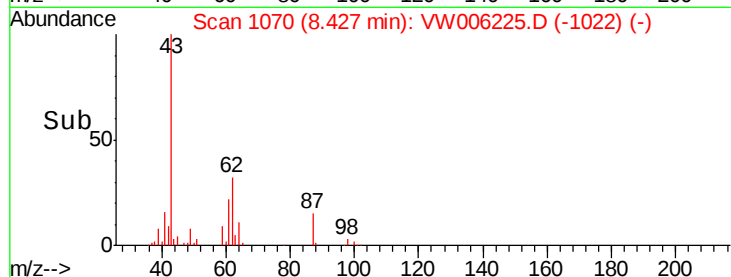
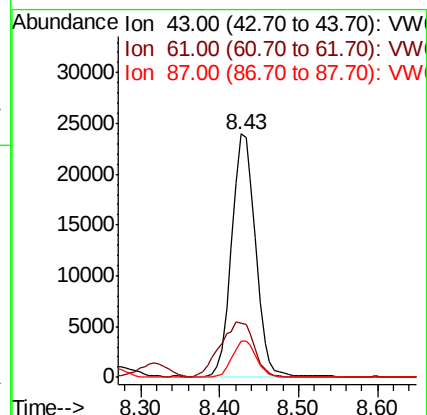
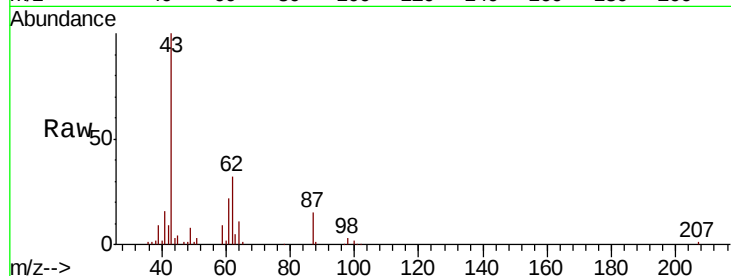
Tot Ion: 43 Resp: 51165

Ion Ratio Lower Upper

43 100

61 32.2 25.5 38.3

87 15.1 11.7 17.5



#44

Trichloroethene

Concen: 22.311 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW006225.D

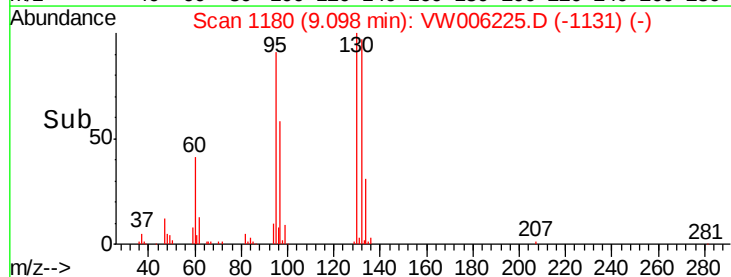
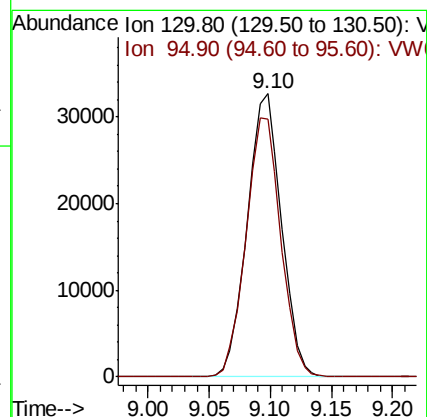
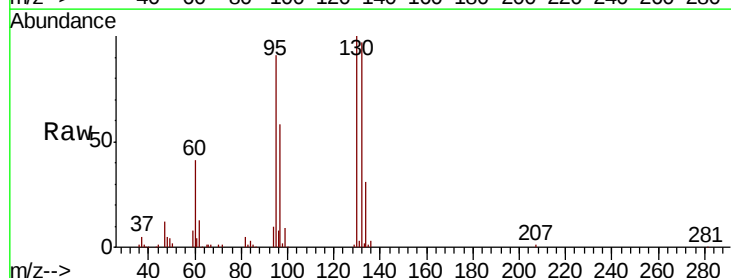
Acq: 19 Oct 2018 15:20

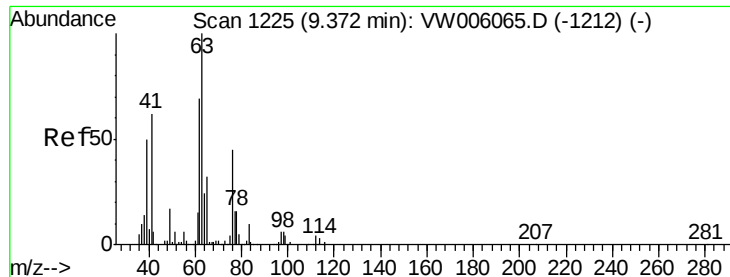
Tgt Ion: 130 Resp: 63730

Ion Ratio Lower Upper

130 100

95 91.0 0.0 183.2

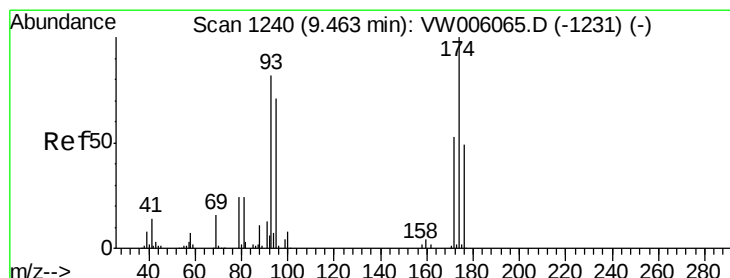
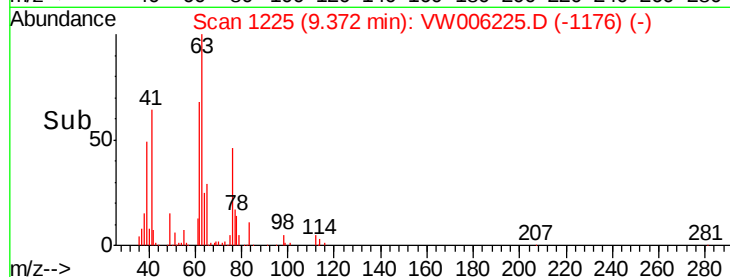
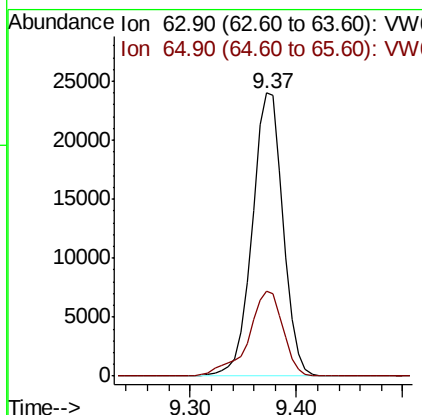
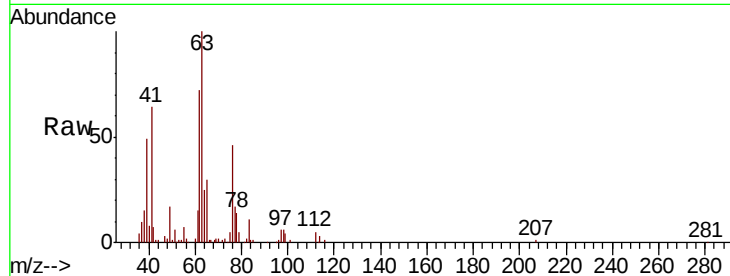




#45
 1,2-Dichloropropane
 Concen: 21.881 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

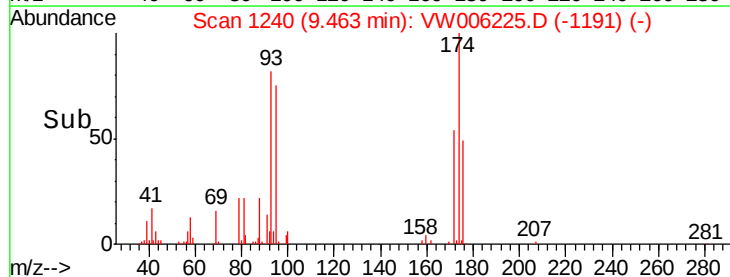
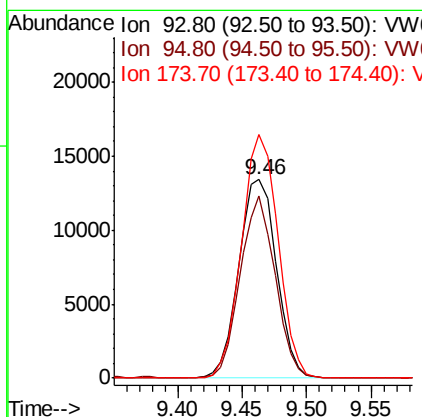
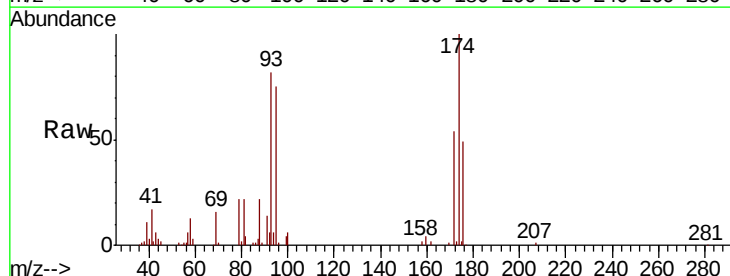
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBSD01

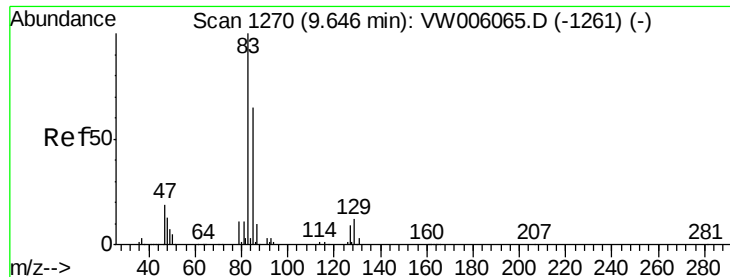
Tot Ion: 63 Resp: 48750
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.4 38.0



#46
 Dibromomethane
 Concen: 21.432 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Tgt Ion: 93 Resp: 27215
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.7 101.5
 174 118.6 93.7 140.5





#47

Bromodichloromethane

Concen: 20.701 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

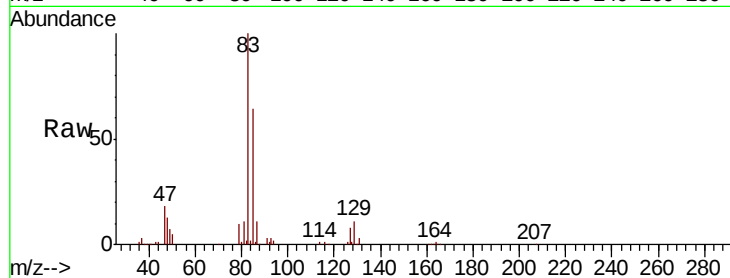
Tot Ion: 83 Resp: 63731

Ion Ratio Lower Upper

83 100

85 63.7 51.8 77.8

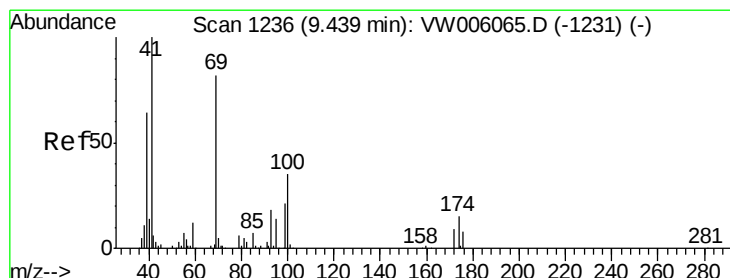
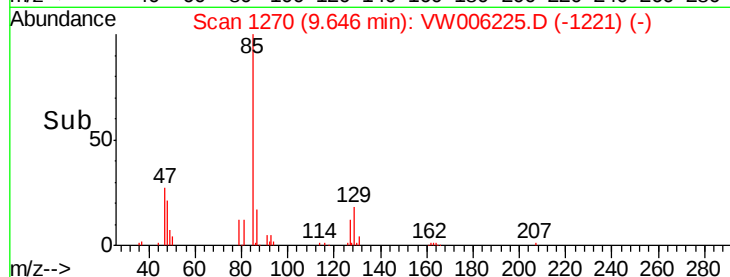
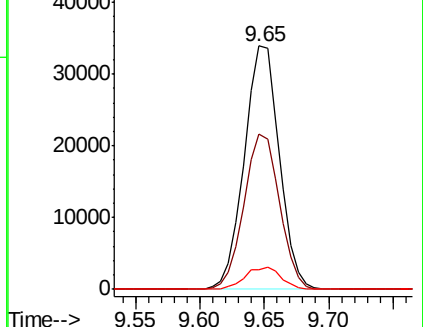
127 7.8 6.9 10.3



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: 19.921 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

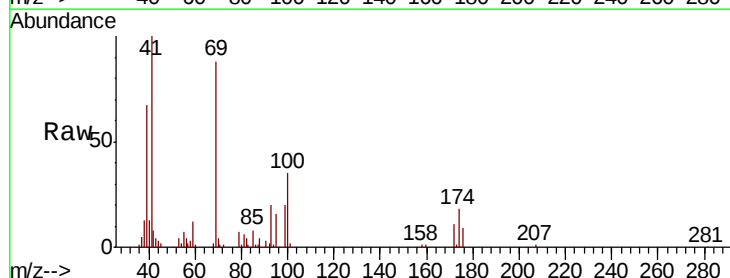
Tgt Ion: 41 Resp: 24348

Ion Ratio Lower Upper

41 100

69 95.5 71.8 107.8

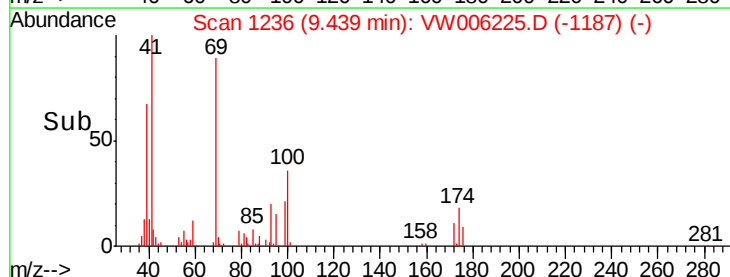
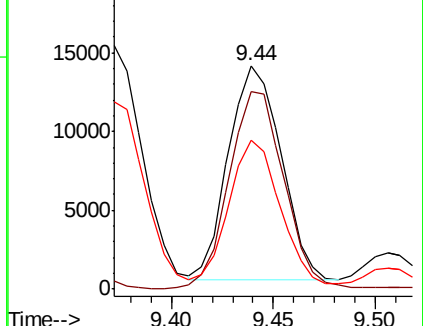
39 63.6 52.5 78.7

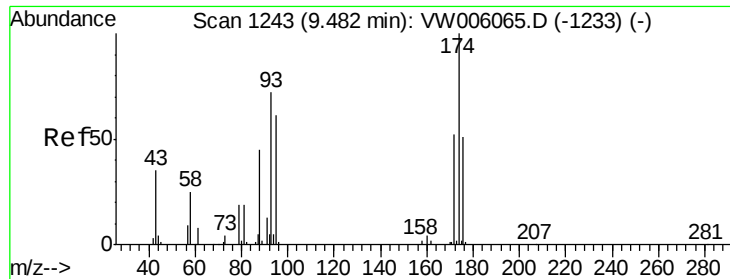


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 409.235 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.02 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

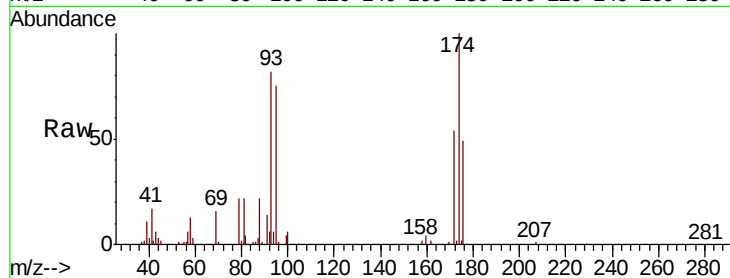
Tot Ion: 88 Resp: 8000

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

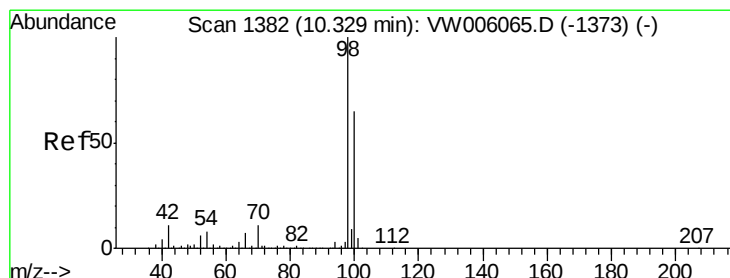
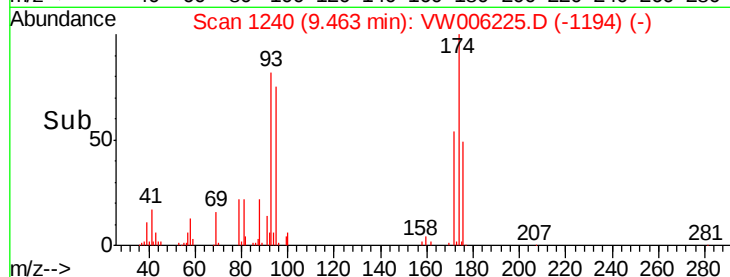
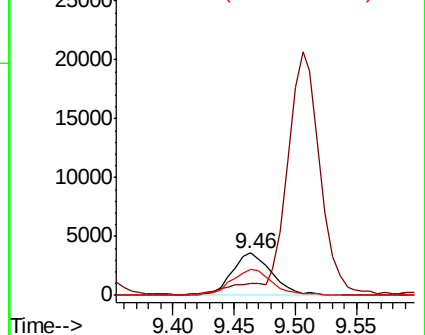
58 64.1 51.2 76.8



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: 50.030 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006225.D

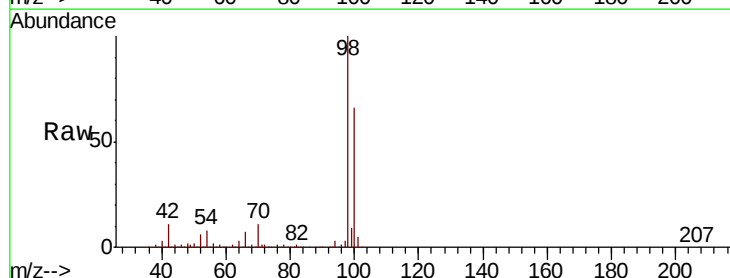
Acq: 19 Oct 2018 15:20

Tgt Ion: 98 Resp: 414176

Ion Ratio Lower Upper

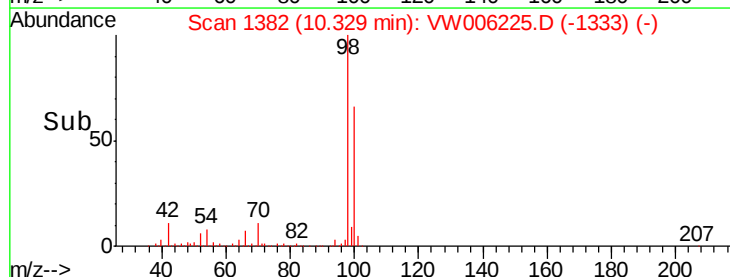
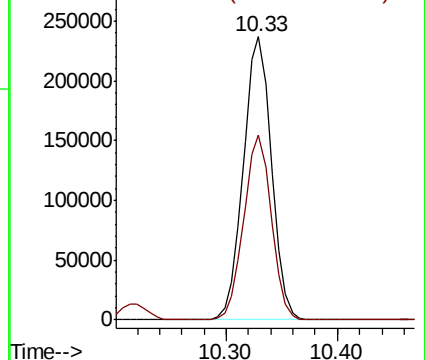
98 100

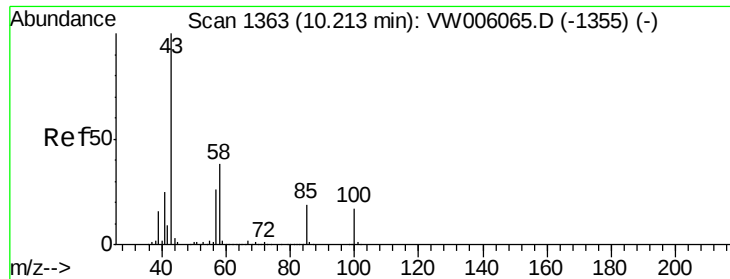
100 64.2 51.6 77.4



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: 104.995 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

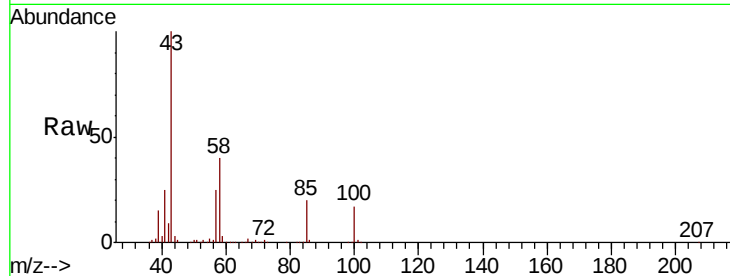
VW1019SBS01

Tot Ion: 43 Resp: 135644

Ion Ratio Lower Upper

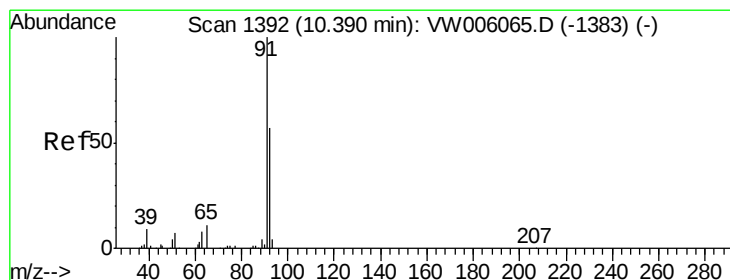
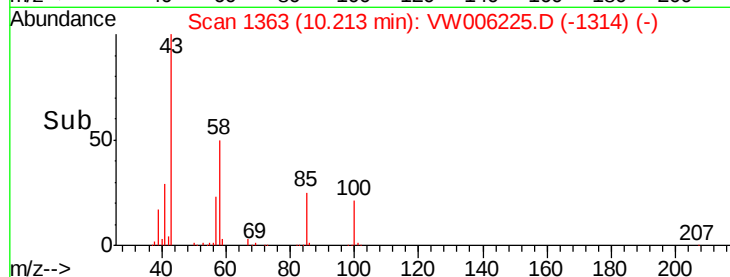
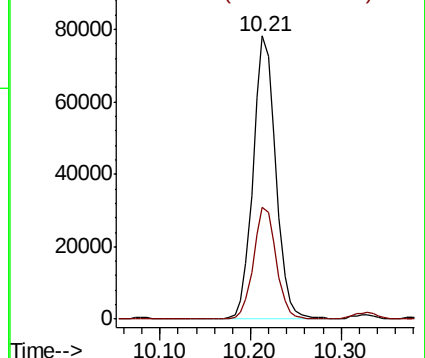
43 100

58 39.5 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 22.412 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006225.D

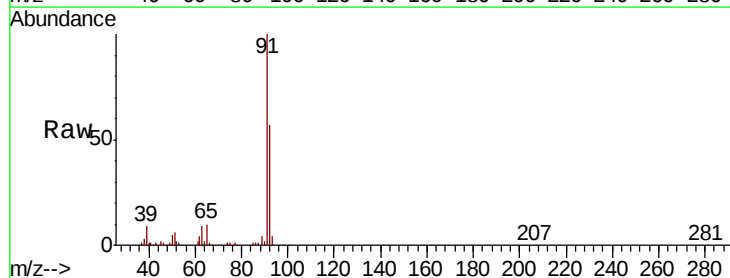
Acq: 19 Oct 2018 15:20

Tgt Ion: 92 Resp: 139898

Ion Ratio Lower Upper

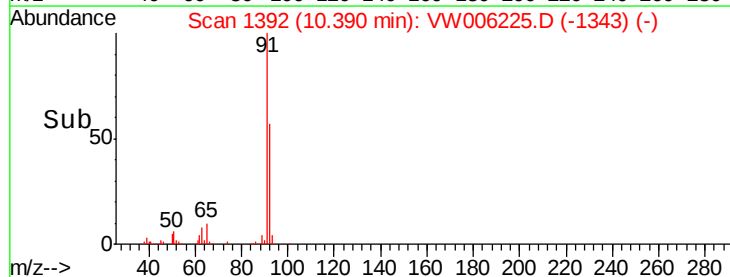
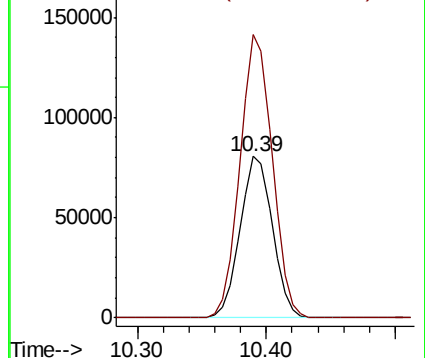
92 100

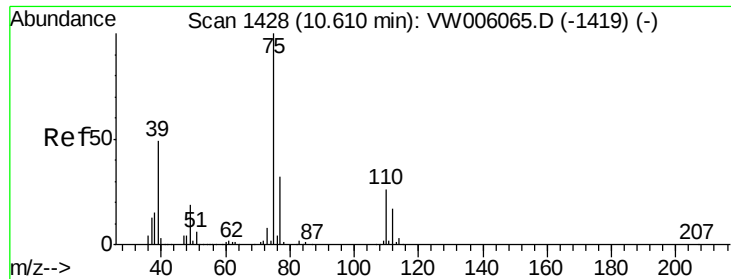
91 175.0 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.674 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

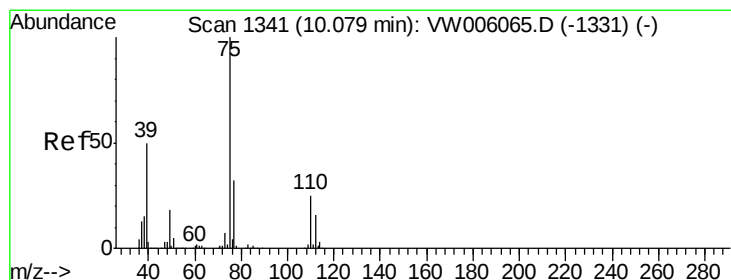
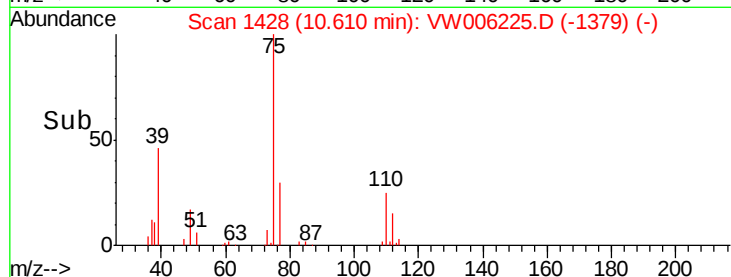
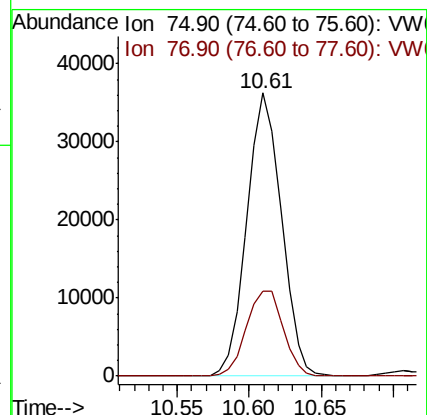
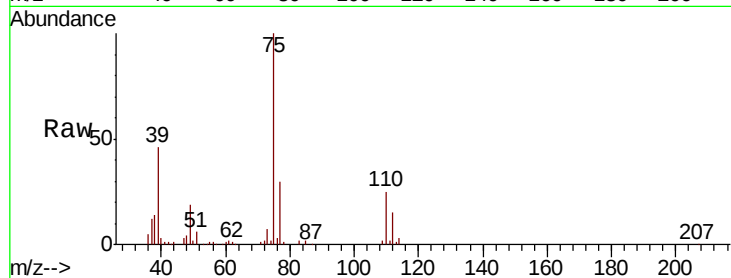
VW1019SBSD01

Tot Ion: 75 Resp: 60348

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.621 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

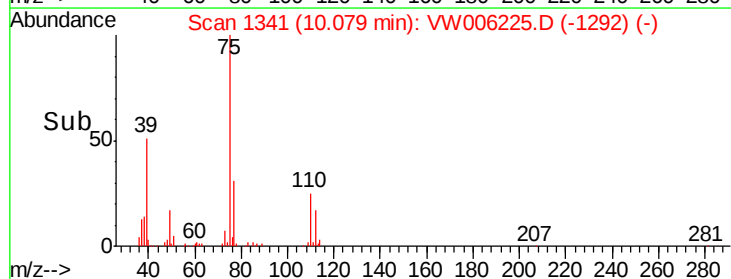
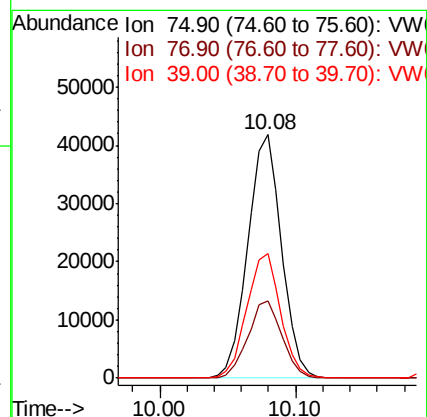
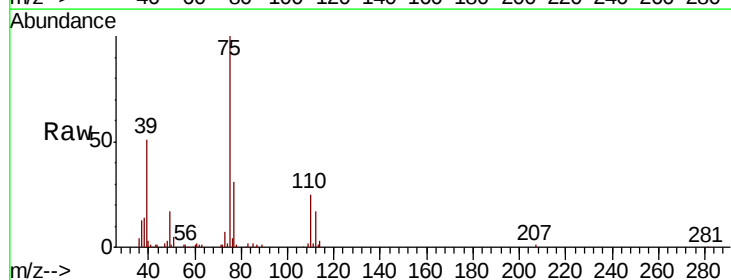
Tgt Ion: 75 Resp: 72592

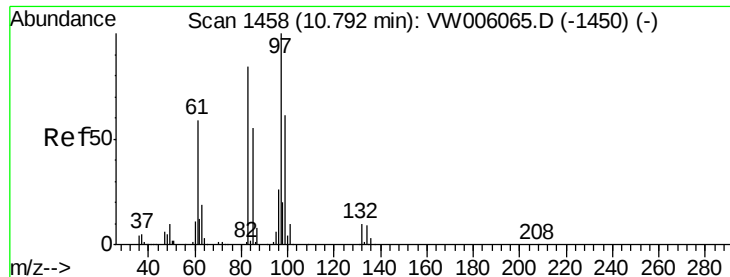
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 51.0 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 21.553 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

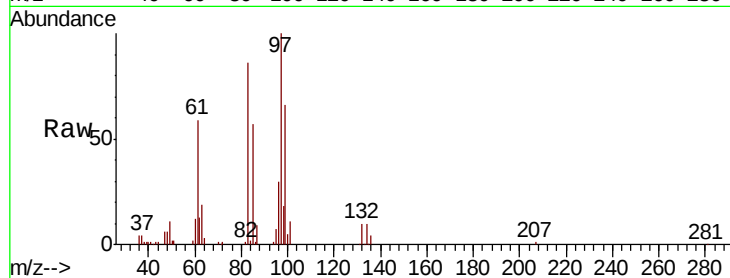
MSVOA_W

ClientSampleId :

VW1019SBSD01

Tot Ion: 97 Resp: 38299

Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.2	100.8
85	56.6	43.7	65.5
99	65.6	48.5	72.7



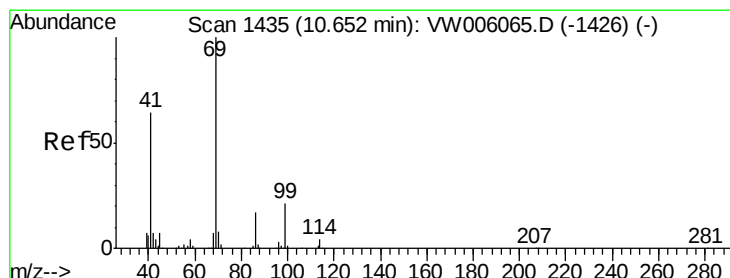
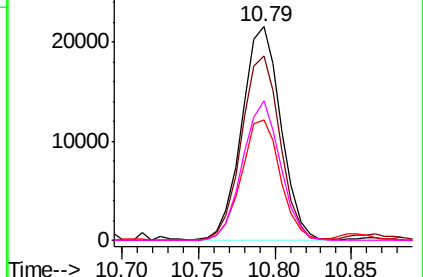
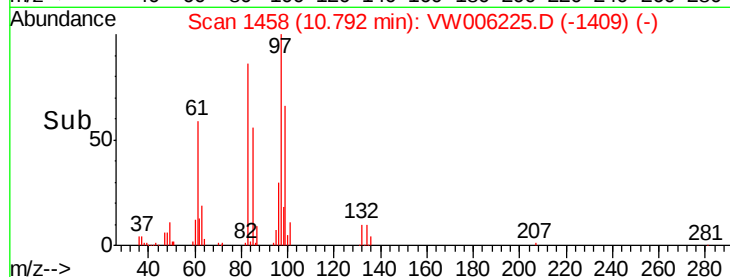
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.463 ug/l

RT: 10.65 min Scan# 1435

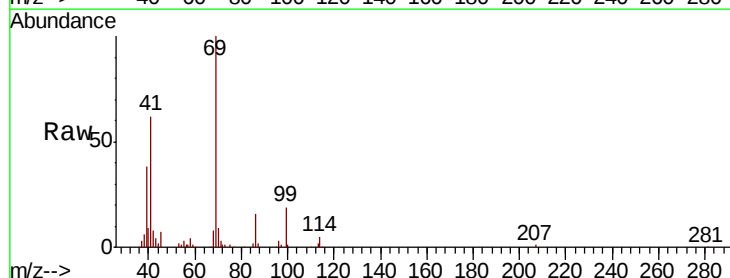
Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Tgt Ion: 69 Resp: 44577

Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.8	79.2
39	37.6	30.6	45.8

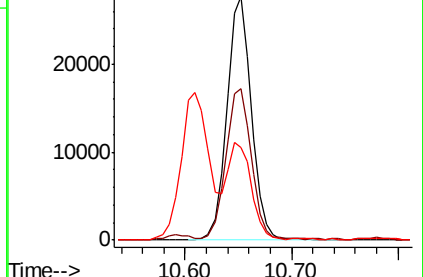
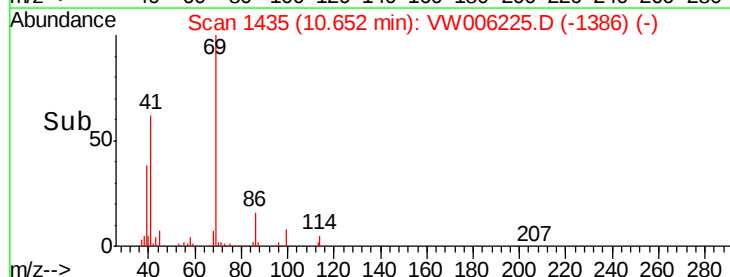


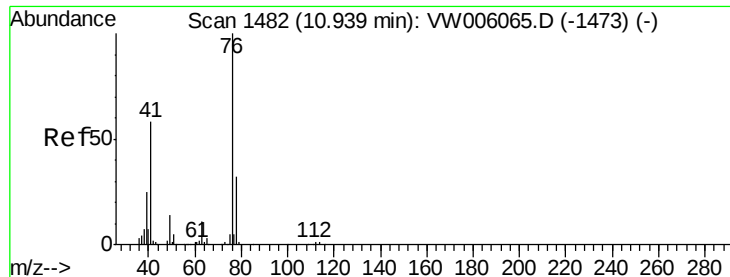
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.973 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

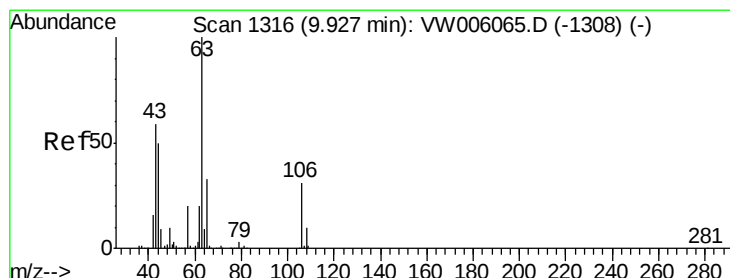
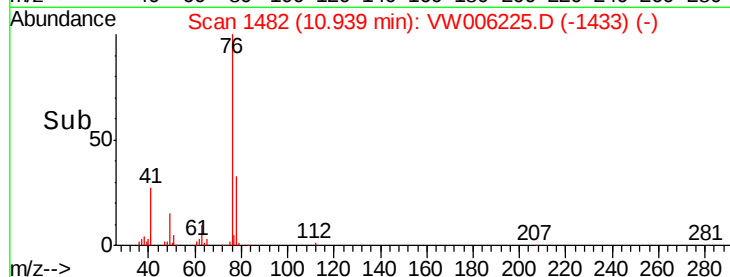
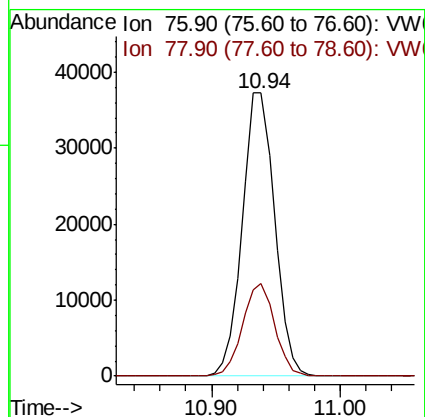
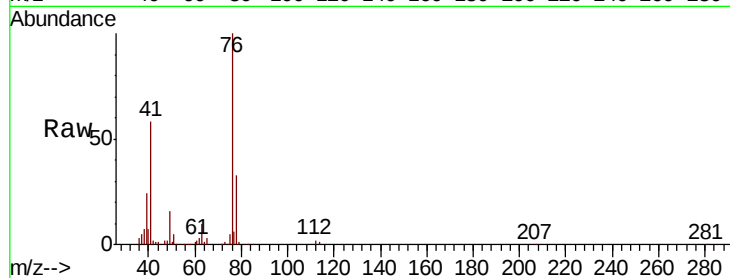
VW1019SBSD01

Tot Ion: 76 Resp: 64637

Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 106.765 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW006225.D

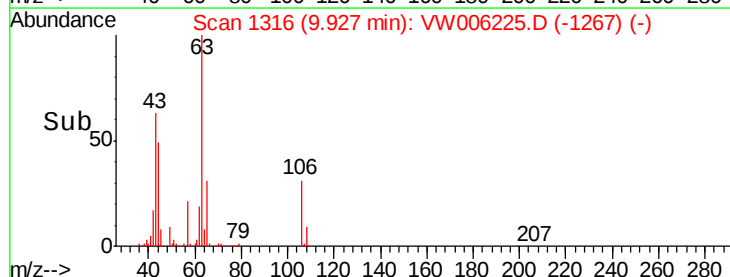
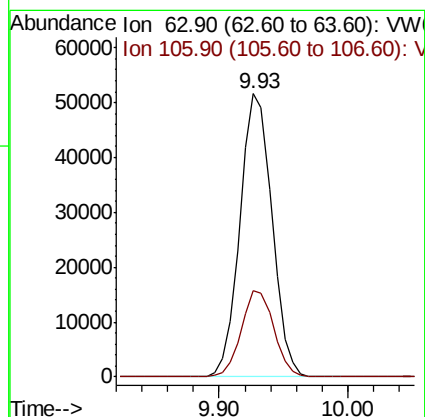
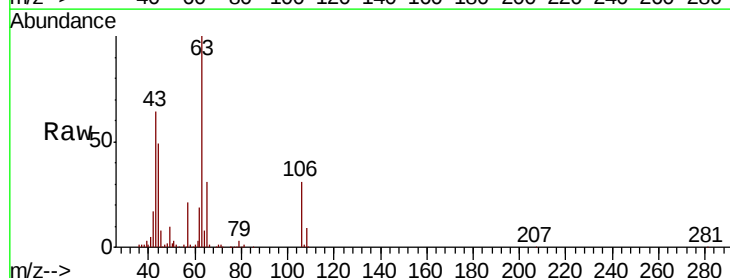
Acq: 19 Oct 2018 15:20

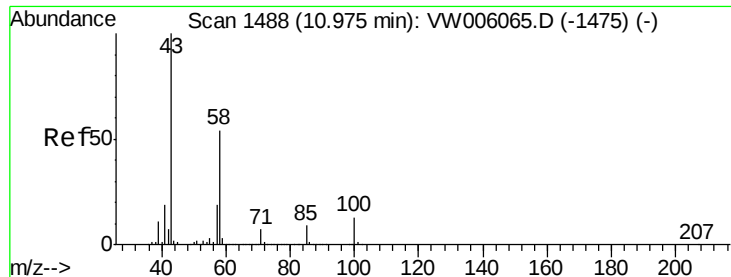
Tgt Ion: 63 Resp: 88872

Ion Ratio Lower Upper

63 100

106 30.8 24.5 36.7

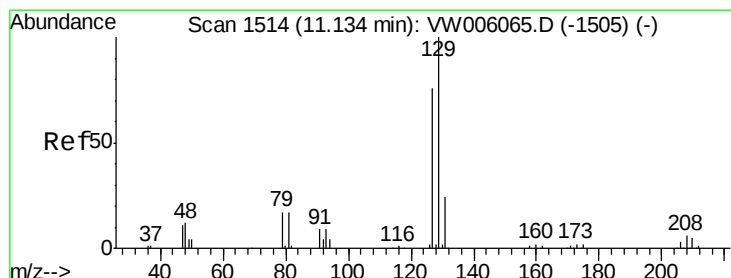
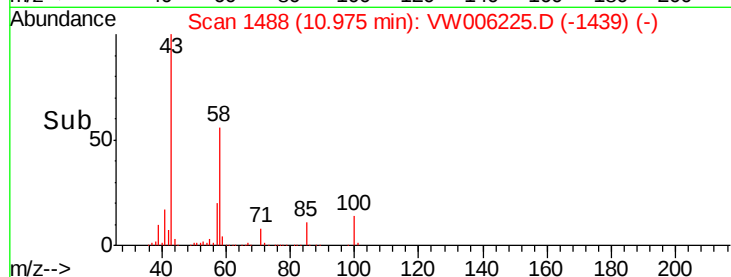
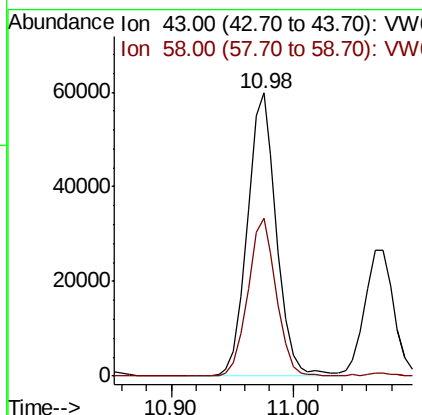
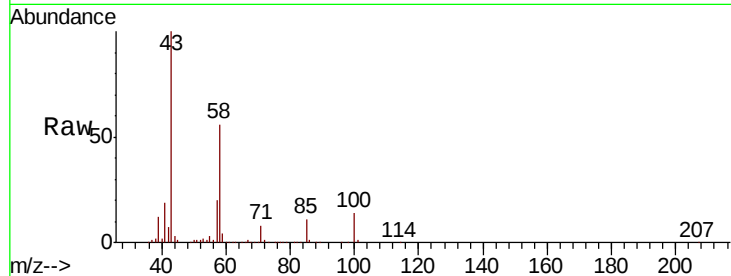




#59
2-Hexanone
Concen: 106.946 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

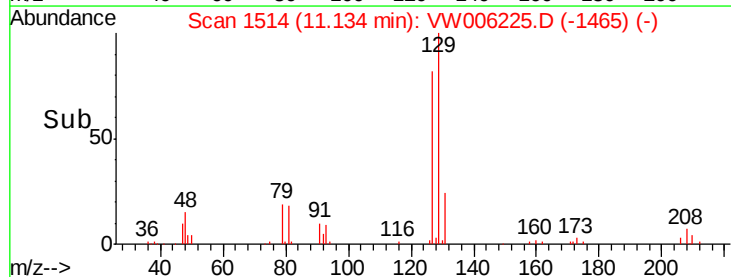
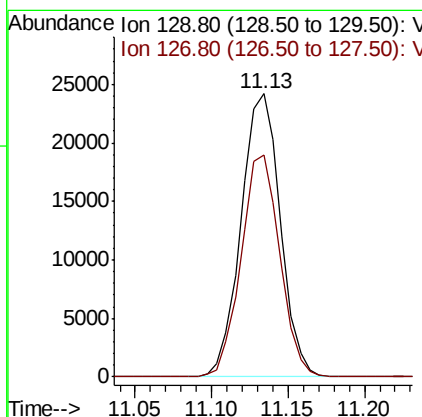
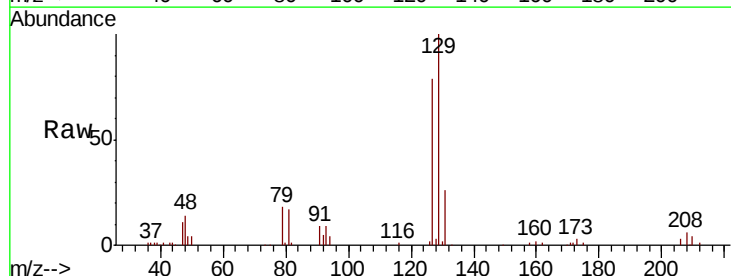
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

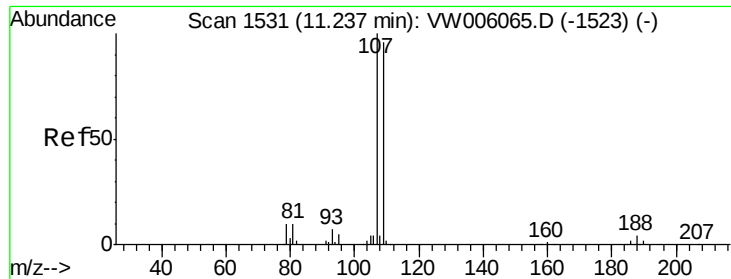
Tot Ion: 43 Resp: 98627
Ion Ratio Lower Upper
43 100
58 54.5 26.9 80.6



#60
Dibromochloromethane
Concen: 19.466 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion: 129 Resp: 43087
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.551 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

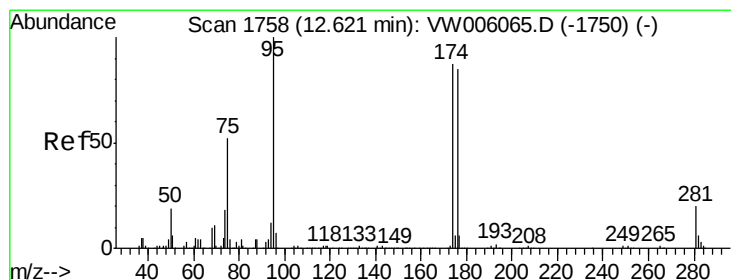
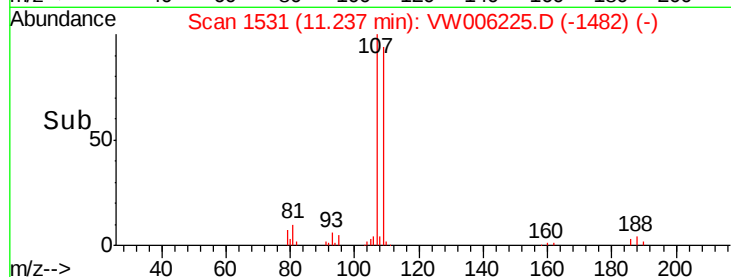
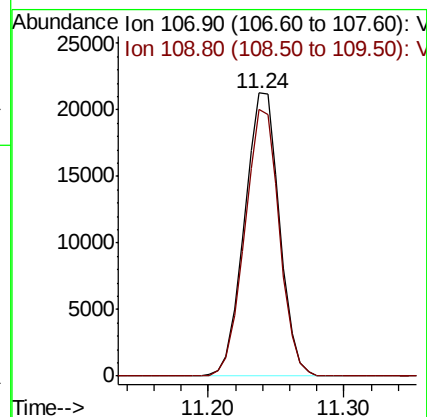
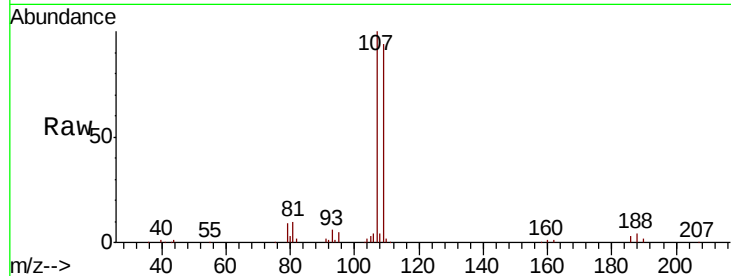
VW1019SBS01

Tot Ion:107 Resp: 38265

Ion Ratio Lower Upper

107 100

109 92.9 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 50.374 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

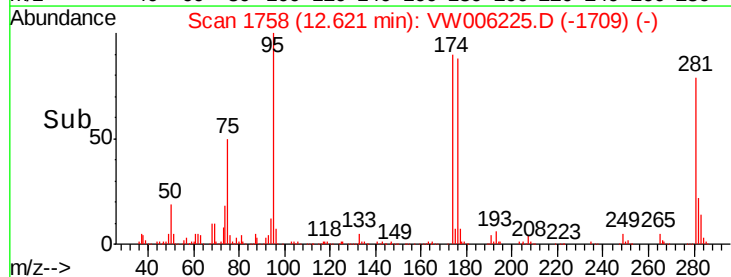
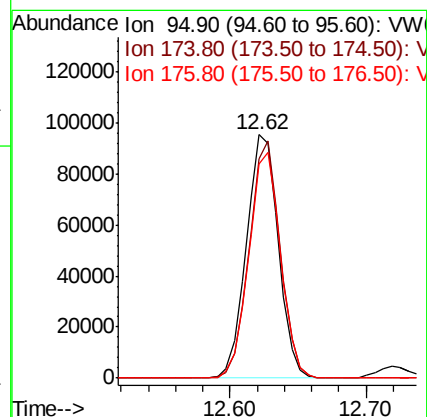
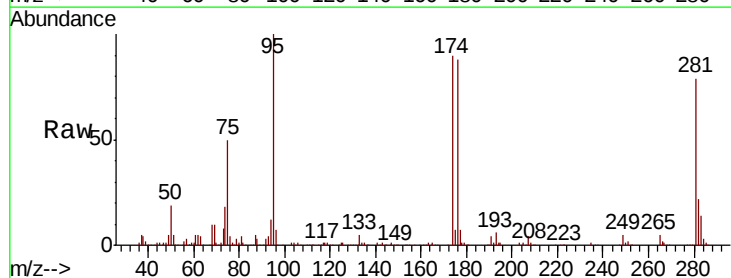
Tgt Ion: 95 Resp: 156629

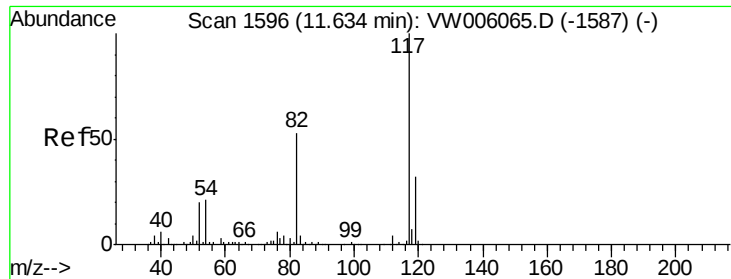
Ion Ratio Lower Upper

95 100

174 94.5 0.0 186.0

176 92.0 0.0 181.6

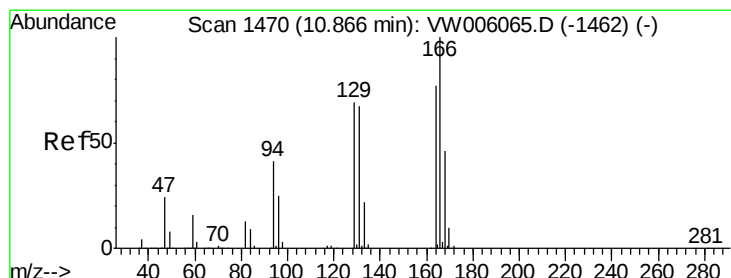
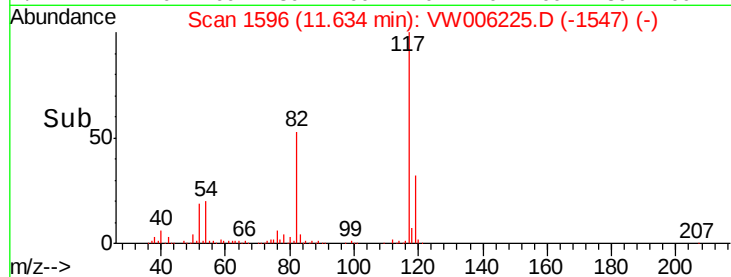
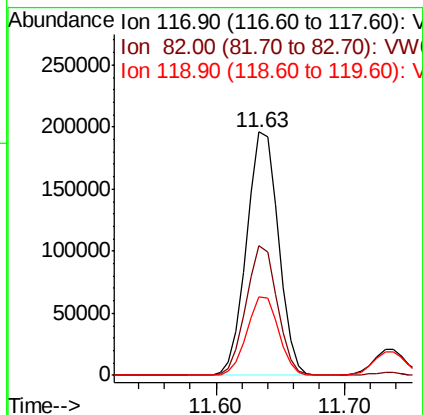
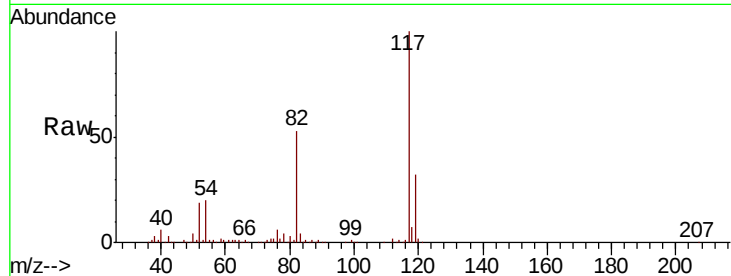




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

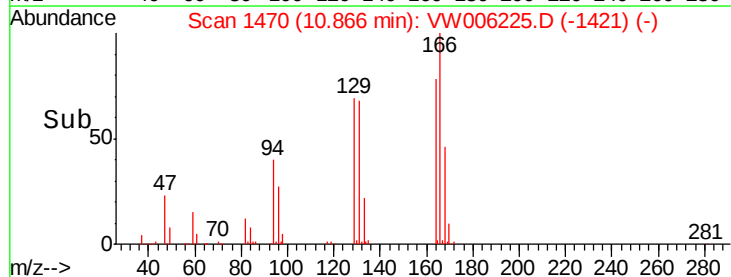
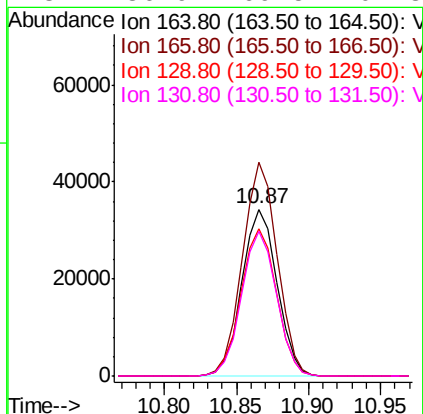
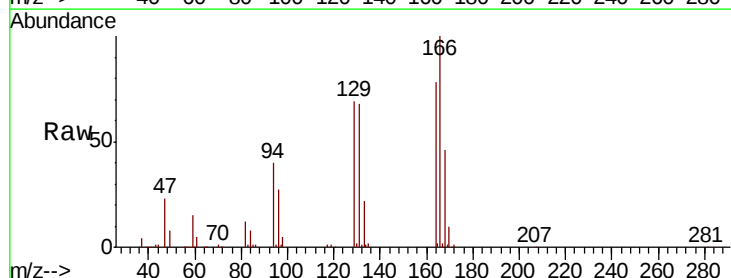
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

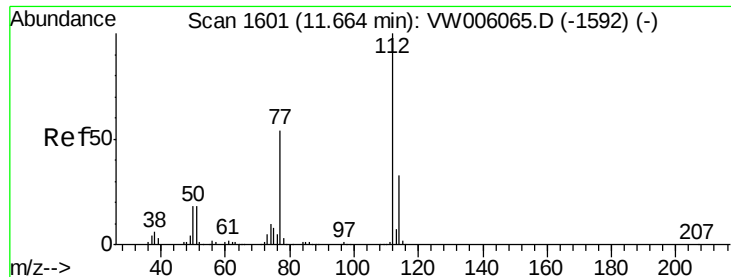
Tot Ion:117 Resp: 334119
Ion Ratio Lower Upper
117 100
82 53.3 42.1 63.1
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 22.379 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion:164 Resp: 58045
Ion Ratio Lower Upper
164 100
166 127.9 103.4 155.0
129 88.5 71.8 107.8
131 86.9 69.5 104.3

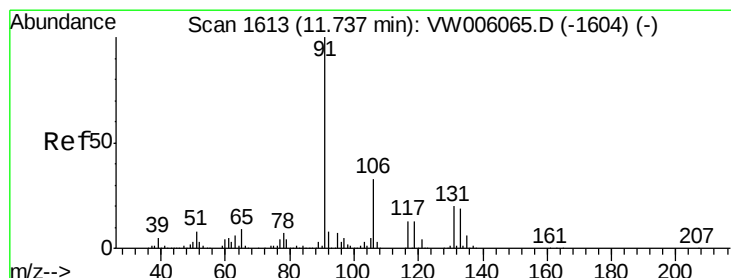
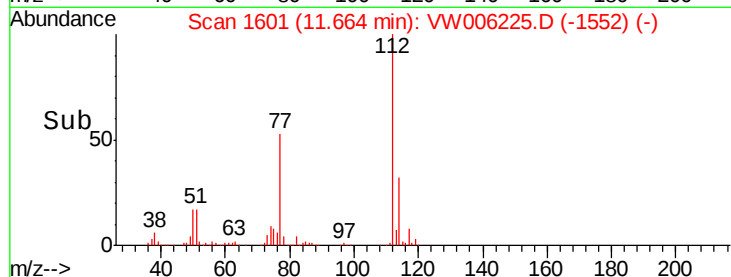
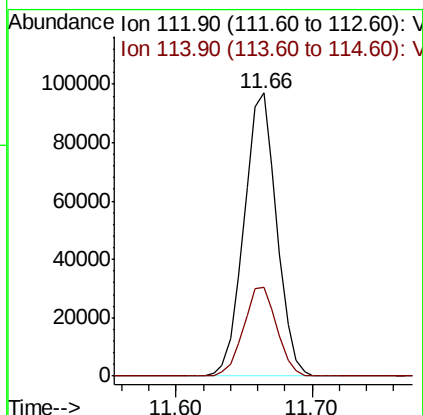
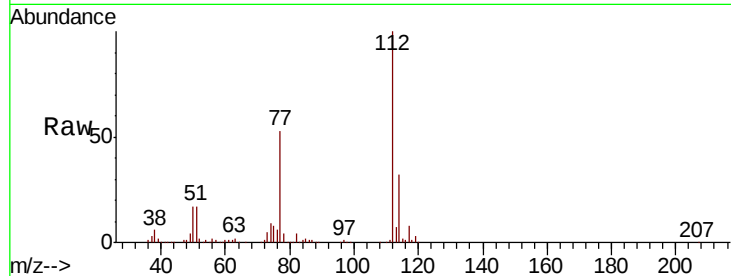




#65
Chlorobenzene
Concen: 22.744 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

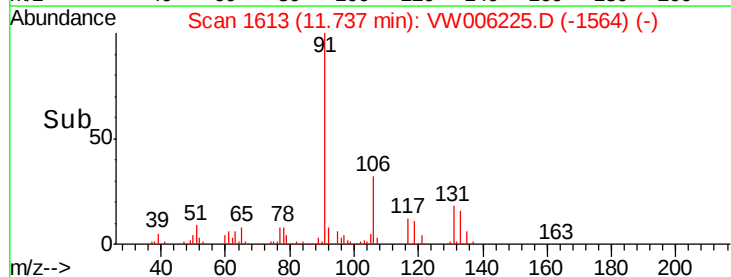
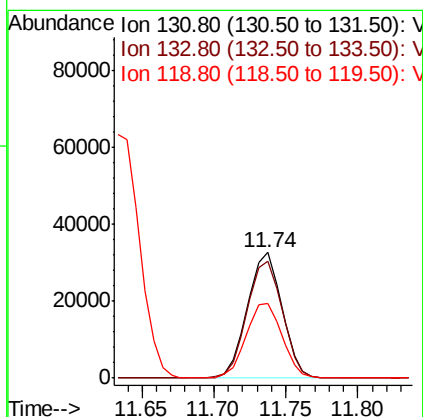
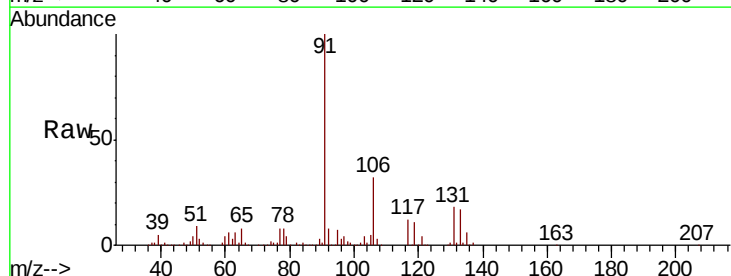
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

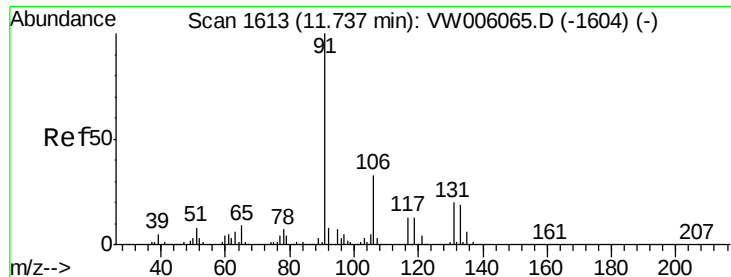
Tot Ion:112 Resp: 162678
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.327 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion:131 Resp: 54210
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.3
119 61.8 31.6 94.7

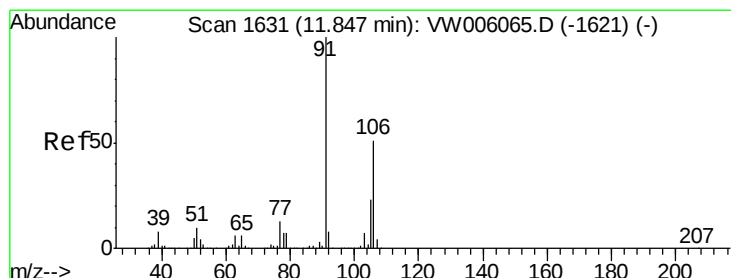
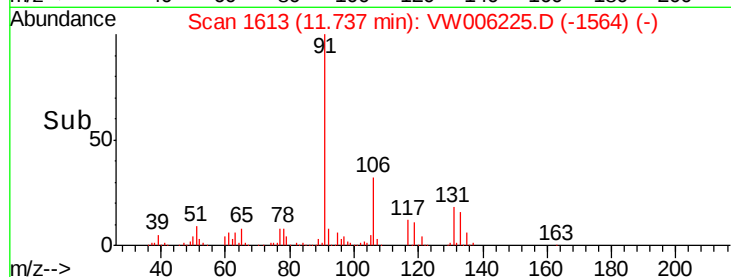
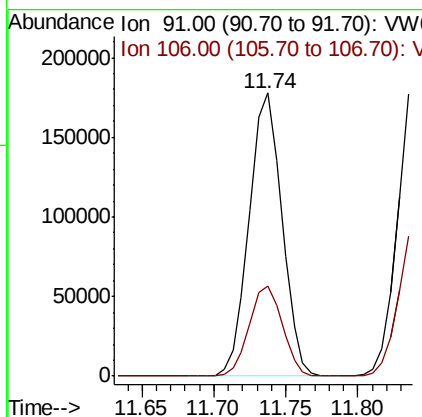
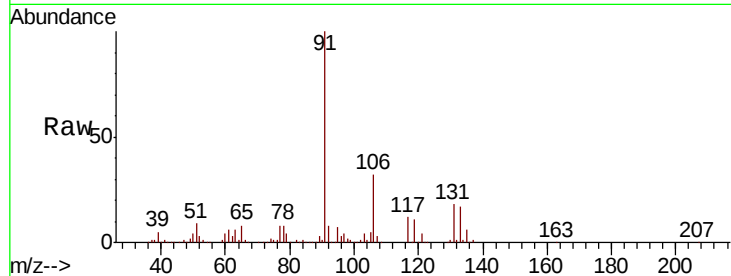




#67
Ethyl Benzene
Concen: 22.631 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

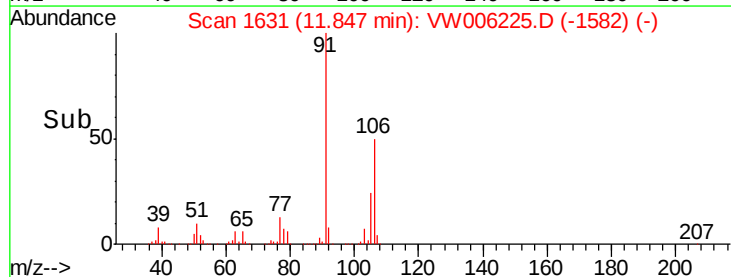
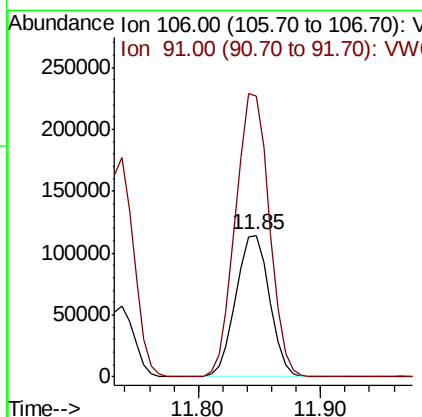
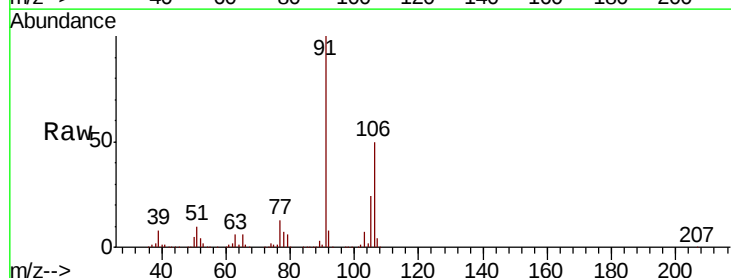
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

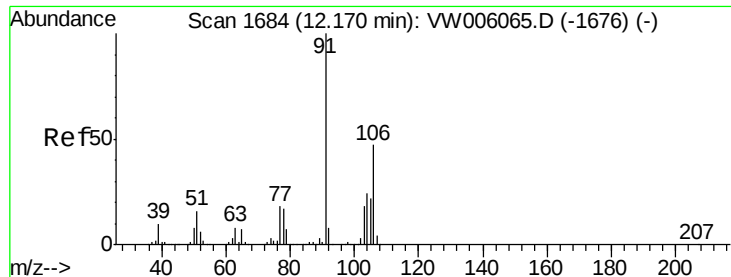
Tot Ion: 91 Resp: 280524
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1



#68
m/p-Xylenes
Concen: 44.700 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion: 106 Resp: 219003
Ion Ratio Lower Upper
106 100
91 201.3 159.1 238.7

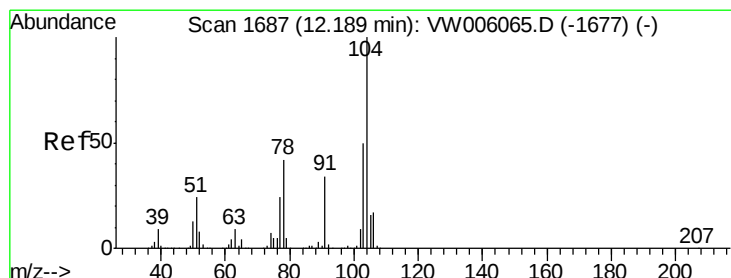
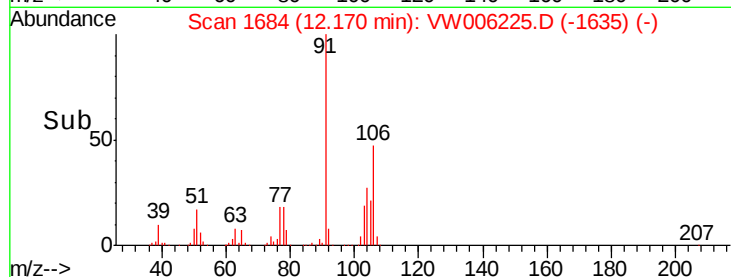
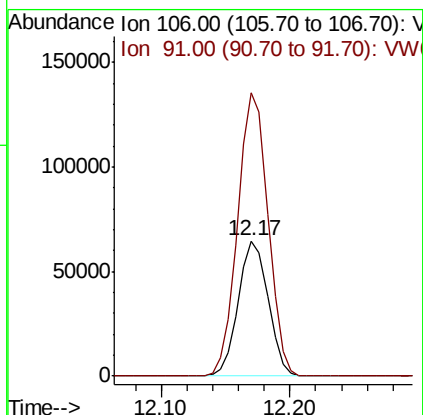
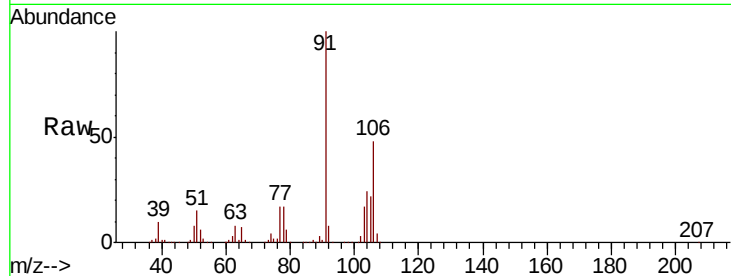




#69
o-Xylene
Concen: 22.354 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

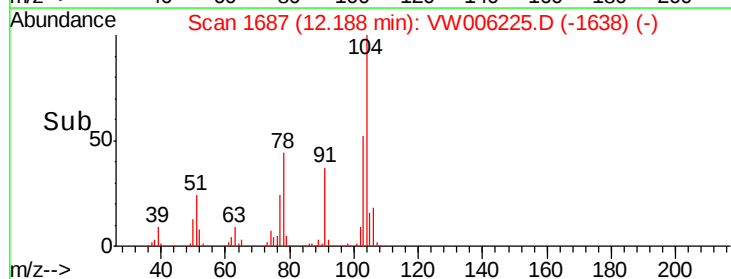
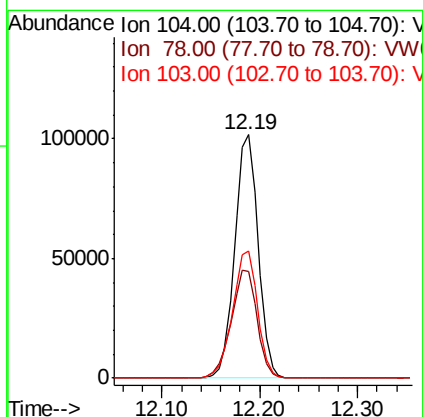
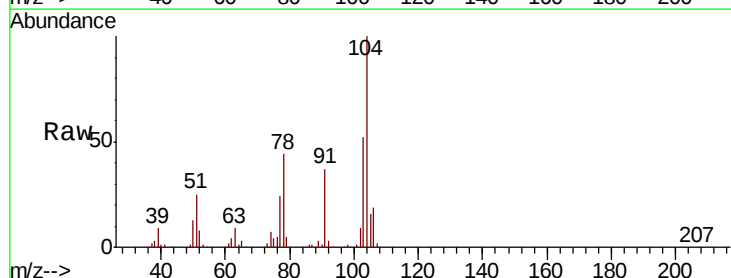
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

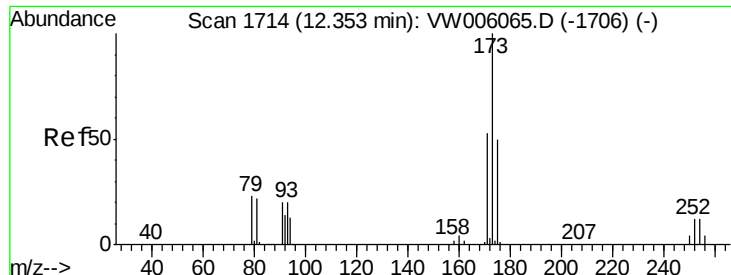
Tot Ion:106 Resp: 104375
Ion Ratio Lower Upper
106 100
91 212.2 105.4 316.1



#70
Styrene
Concen: 22.179 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion:104 Resp: 168402
Ion Ratio Lower Upper
104 100
78 48.8 39.1 58.7
103 56.0 44.3 66.5





#71

Bromoform

Concen: 18.217 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

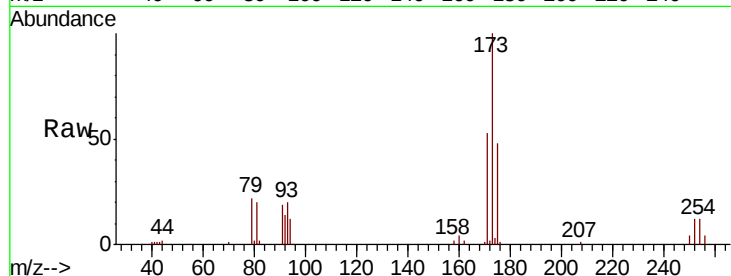
Tot Ion:173 Resp: 25828

Ion Ratio Lower Upper

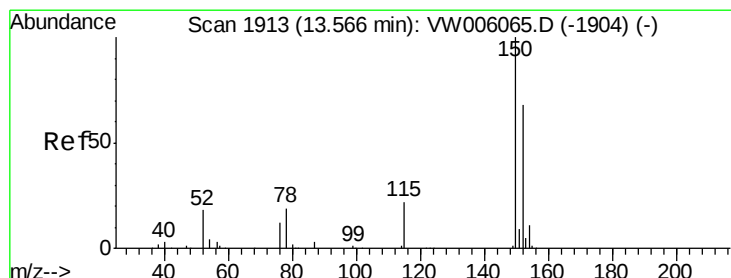
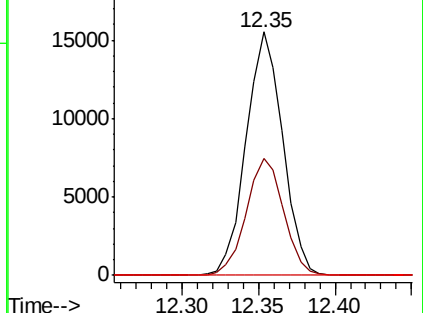
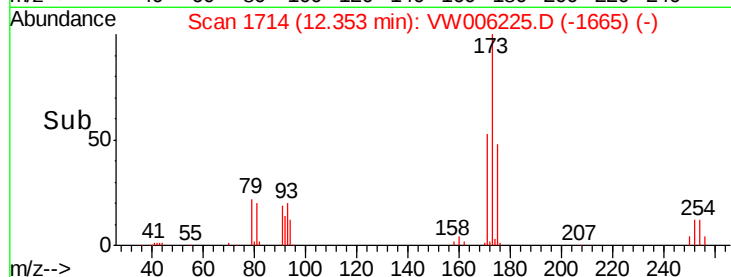
173 100

175 48.9 24.2 72.6

254 0.0 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: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

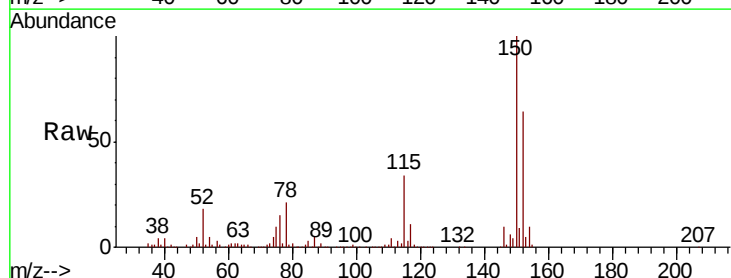
Tgt Ion:152 Resp: 188720

Ion Ratio Lower Upper

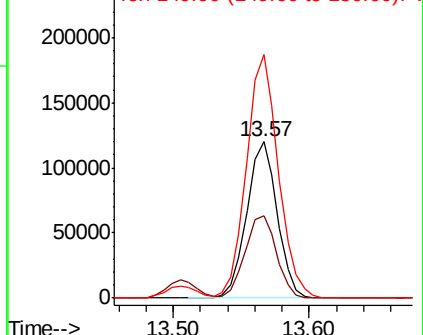
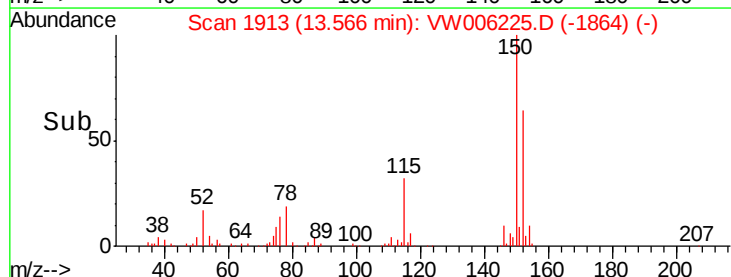
152 100

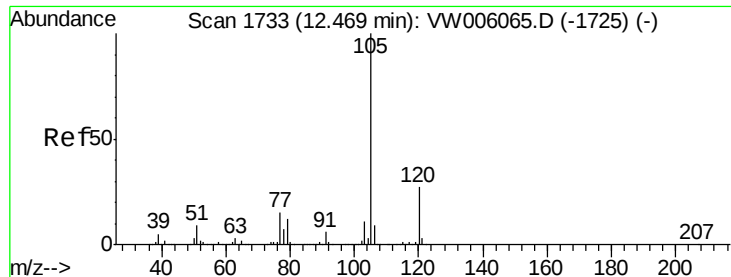
115 54.3 27.8 83.3

150 162.5 0.0 349.2



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: 22.032 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

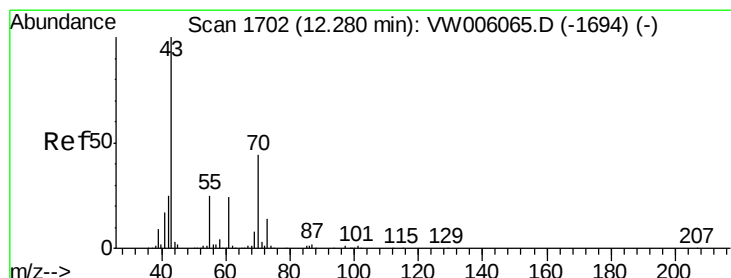
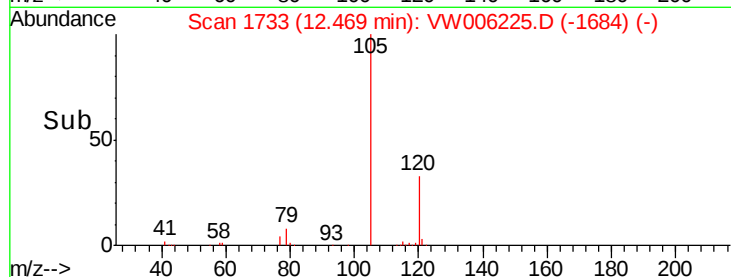
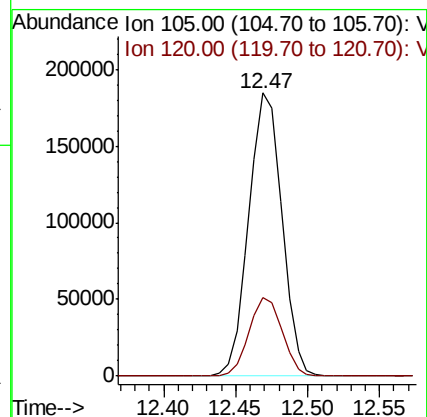
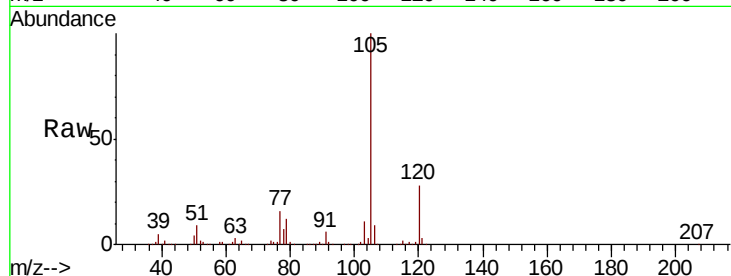
VW1019SBS01

Tot Ion:105 Resp: 293737

Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7



#74

N-ethyl acetate

Concen: 19.454 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Tgt Ion: 43 Resp: 50376

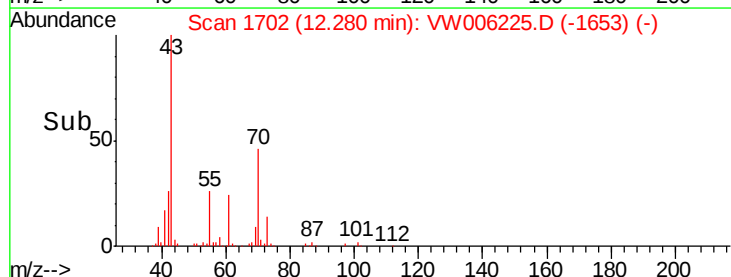
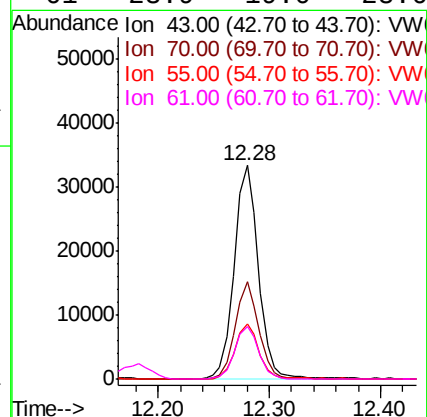
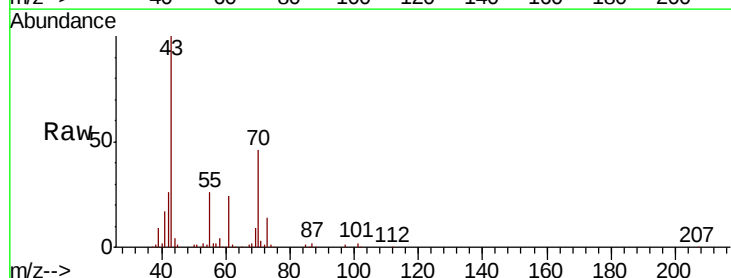
Ion Ratio Lower Upper

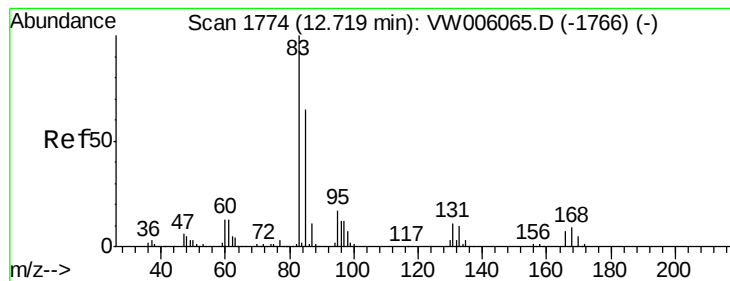
43 100

70 44.4 34.2 51.4

55 25.8 19.2 28.8

61 23.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.722 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

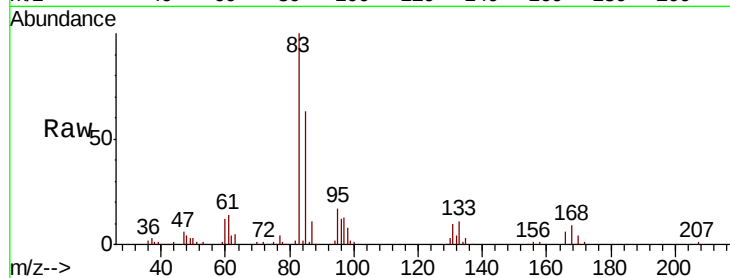
Tot Ion: 83 Resp: 44049

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.7

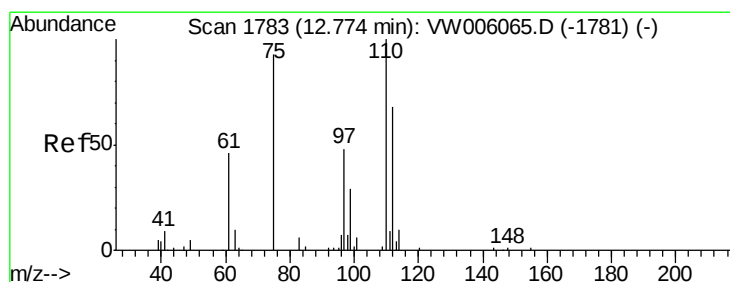
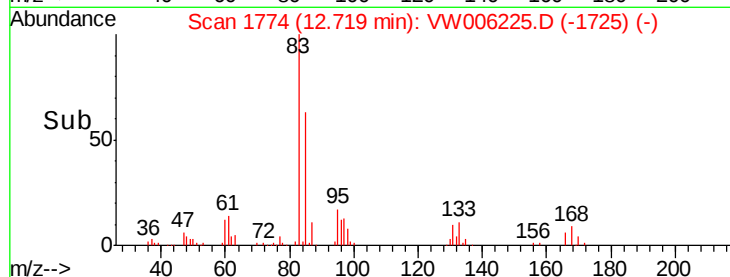
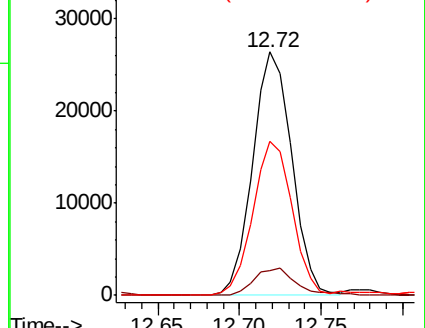
85 63.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.525 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006225.D

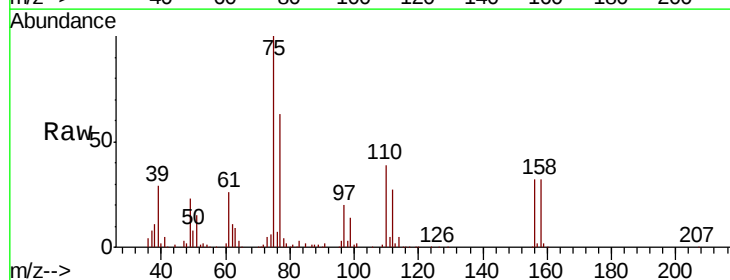
Acq: 19 Oct 2018 15:20

Tgt Ion: 75 Resp: 54091

Ion Ratio Lower Upper

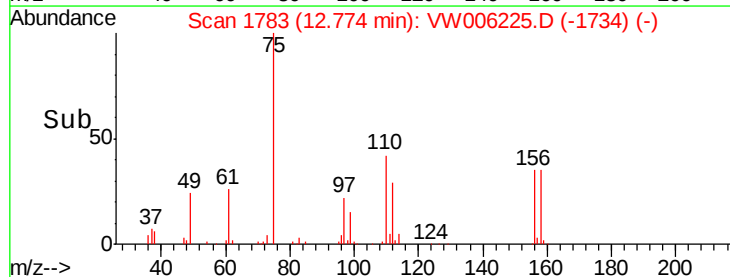
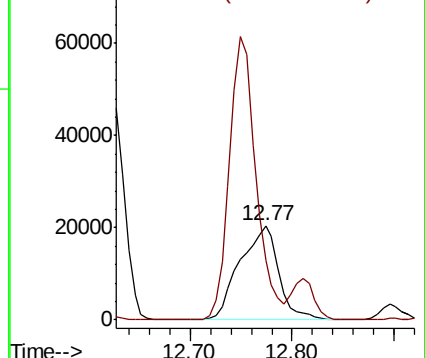
75 100

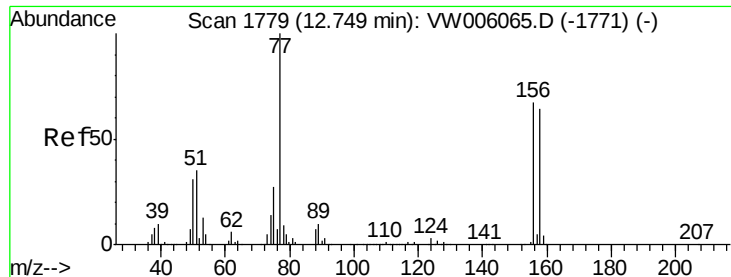
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.917 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

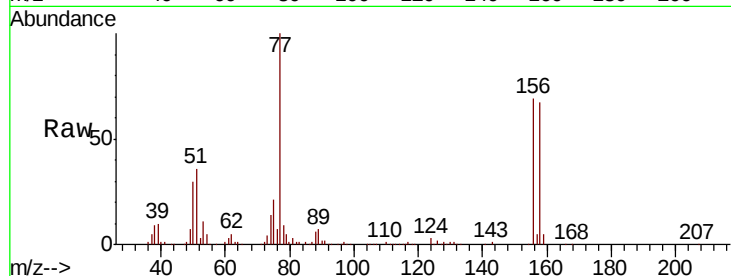
Tot Ion:156 Resp: 71573

Ion Ratio Lower Upper

156 100

77 156.0 79.1 237.4

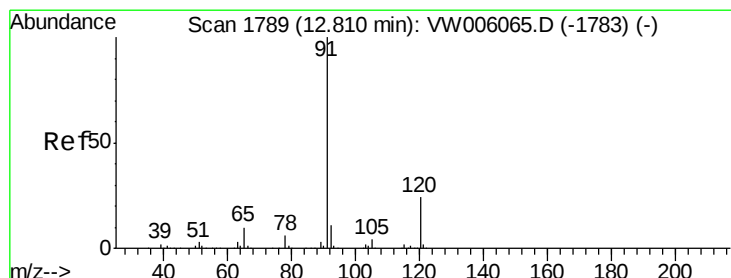
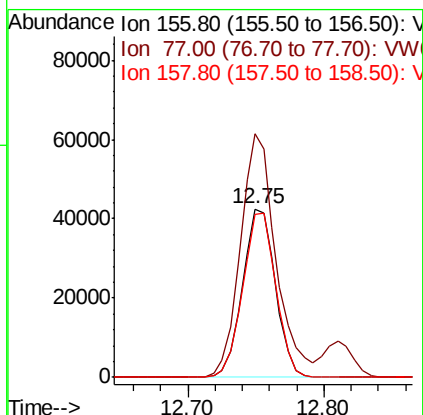
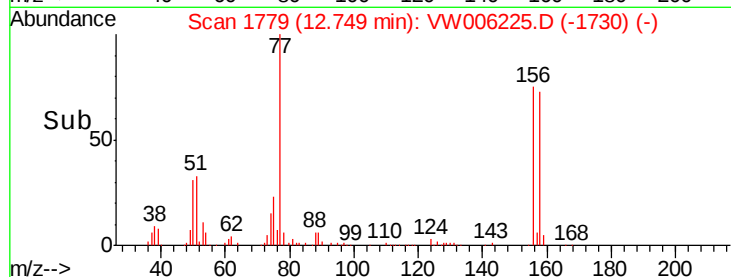
158 98.5 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.388 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006225.D

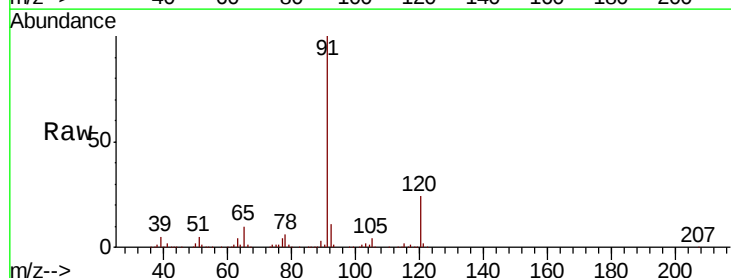
Acq: 19 Oct 2018 15:20

Tgt Ion: 91 Resp: 347263

Ion Ratio Lower Upper

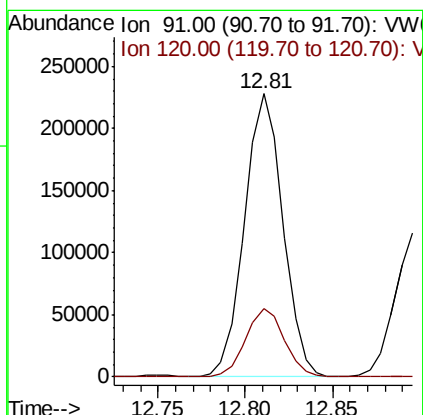
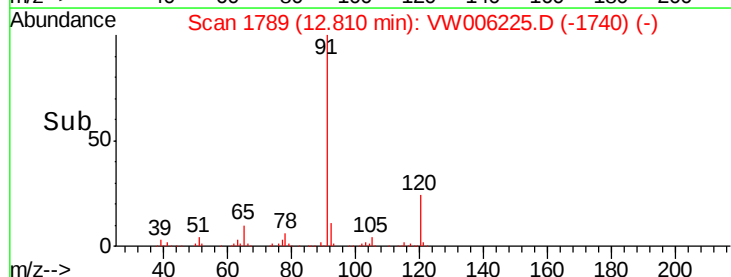
91 100

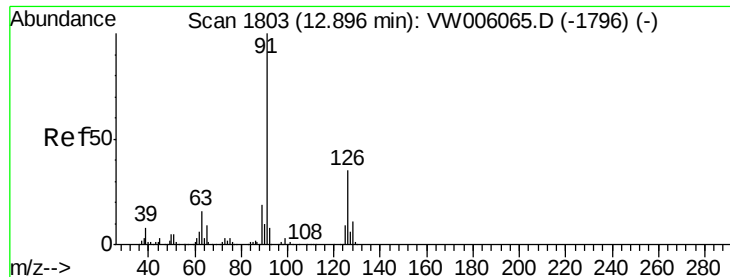
120 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.286 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

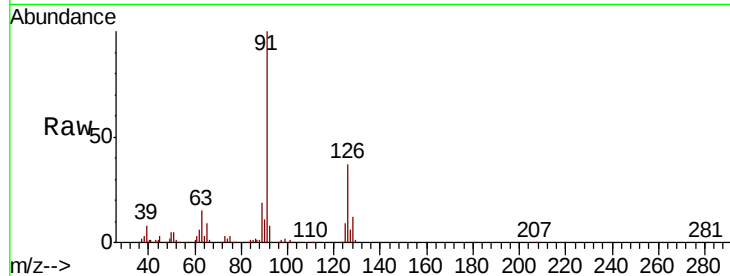
VW1019SBSD01

Tot Ion: 91 Resp: 194222

Ion Ratio Lower Upper

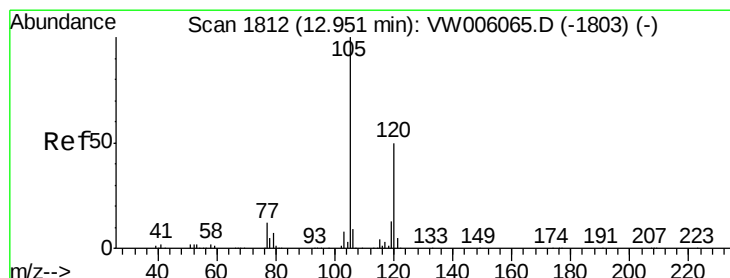
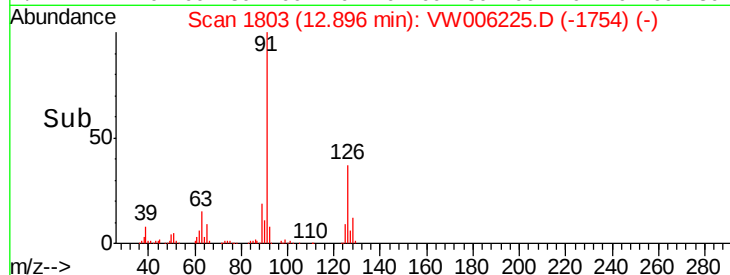
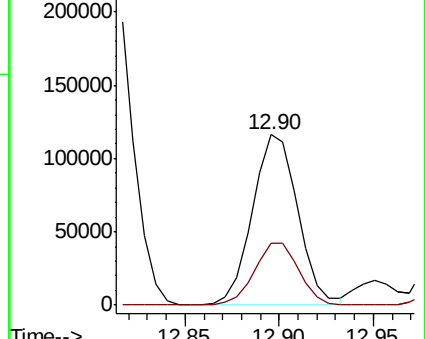
91 100

126 36.0 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.136 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006225.D

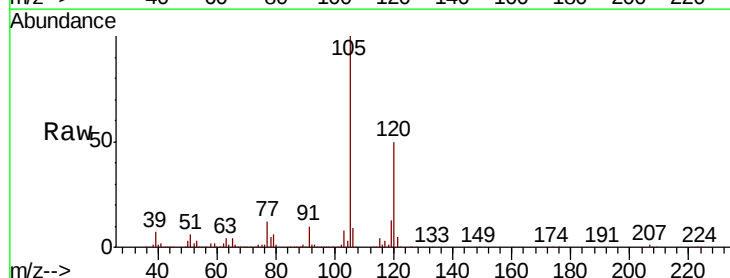
Acq: 19 Oct 2018 15:20

Tgt Ion:105 Resp: 248797

Ion Ratio Lower Upper

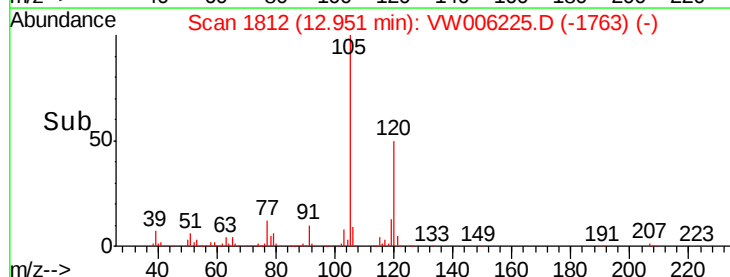
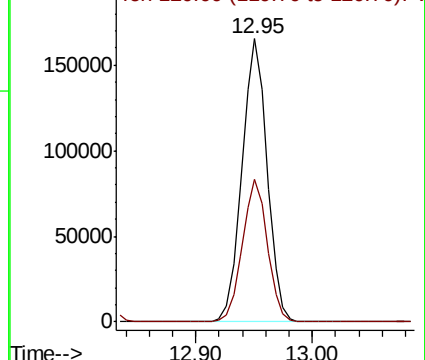
105 100

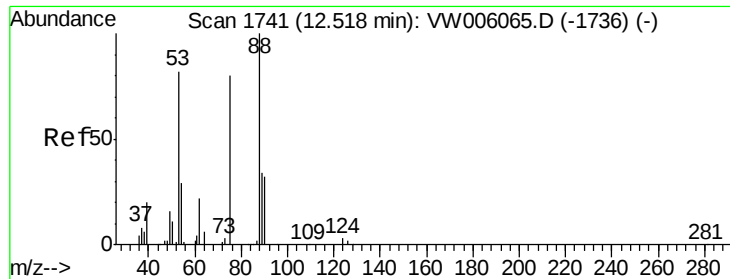
120 50.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.986 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

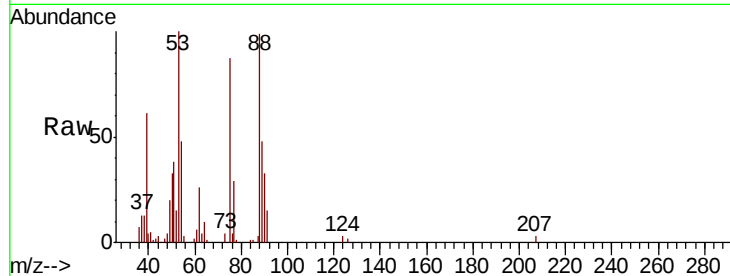
Tot Ion: 75 Resp: 9640

Ion Ratio Lower Upper

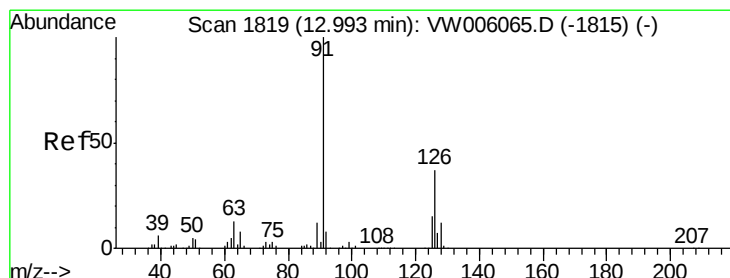
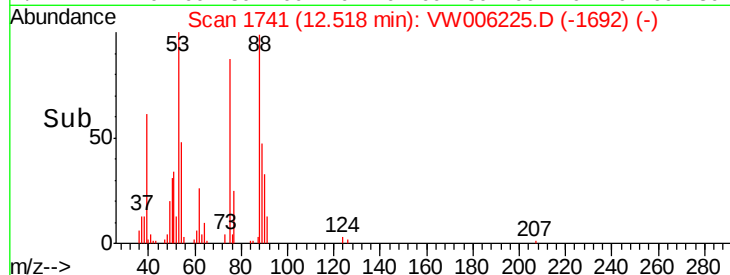
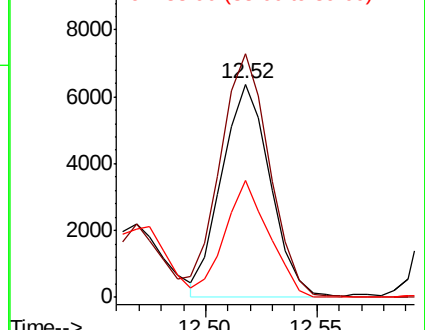
75 100

53 118.3 79.8 119.6

89 50.2 37.5 56.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 22.245 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006225.D

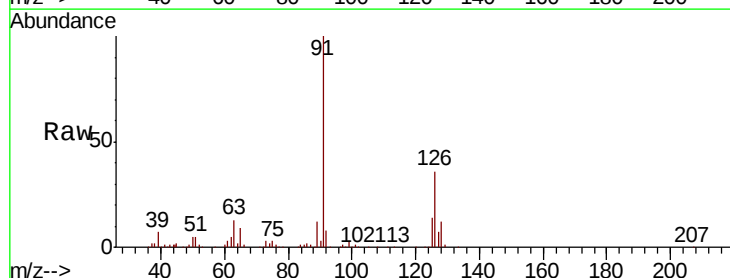
Acq: 19 Oct 2018 15:20

Tgt Ion: 91 Resp: 203080

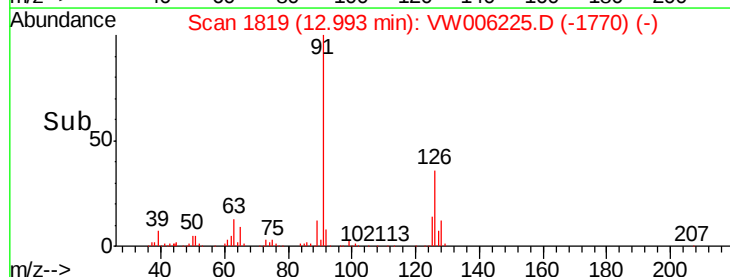
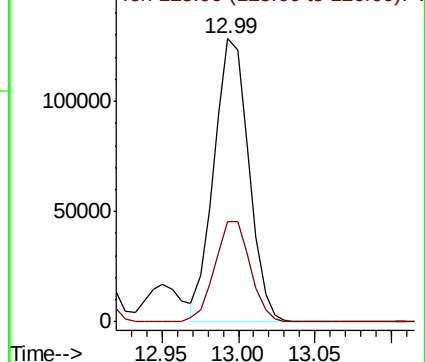
Ion Ratio Lower Upper

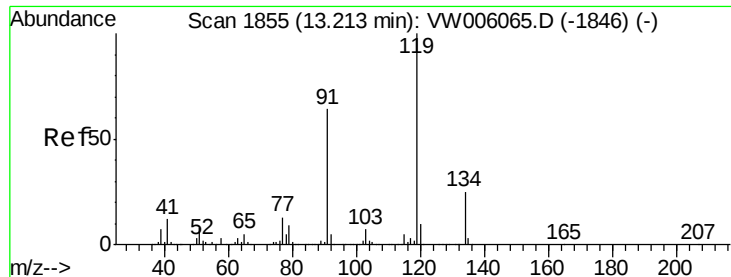
91 100

126 36.5 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

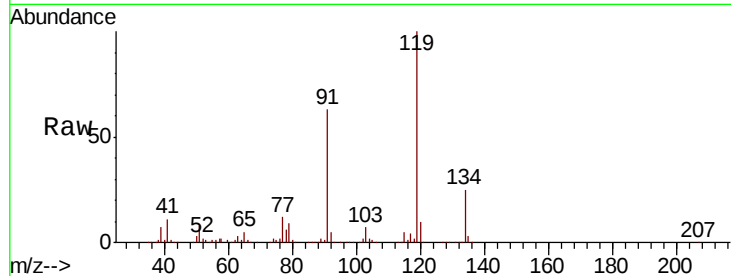




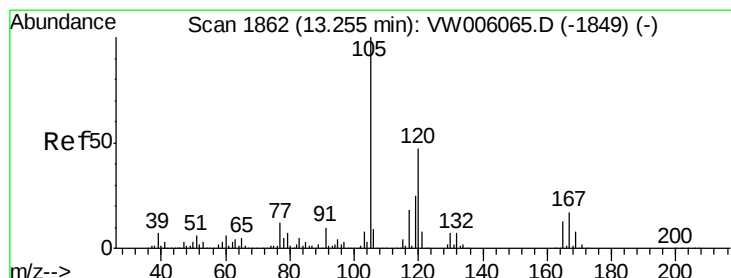
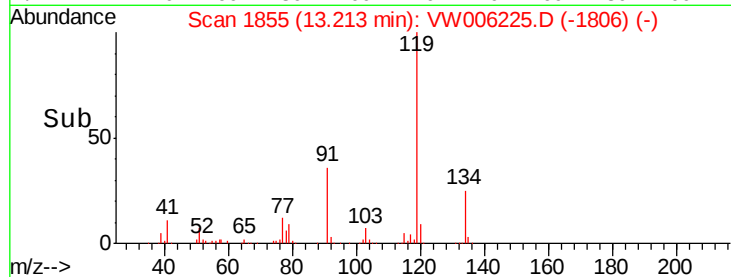
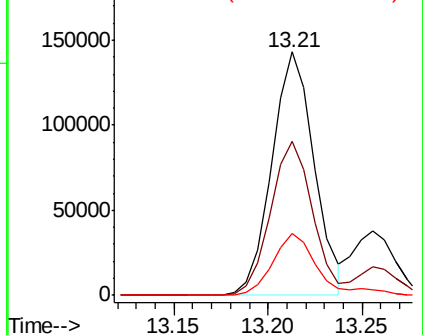
#83
tert-Butylbenzene
Concen: 22.136 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

Tot Ion:119 Resp: 222603
Ion Ratio Lower Upper
119 100
91 63.9 32.3 96.9
134 25.2 13.6 40.8

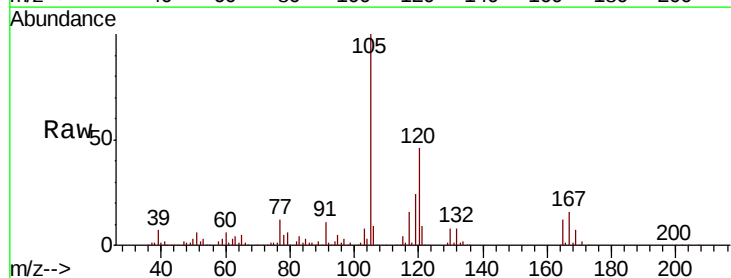


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

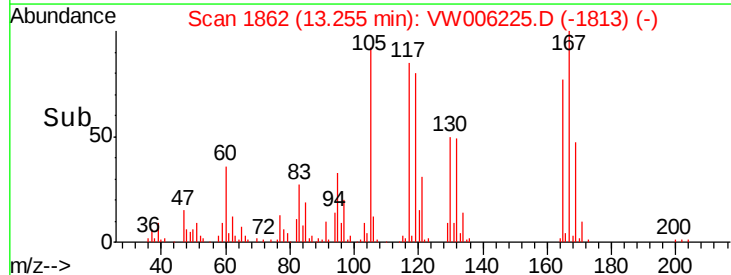
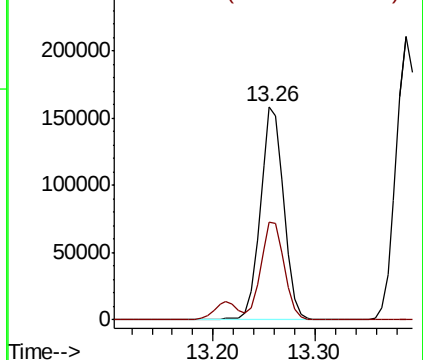


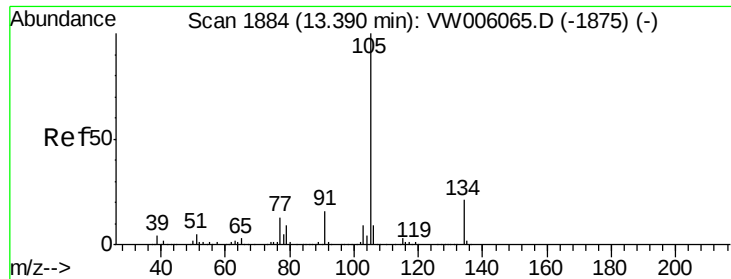
#84
1,2,4-Trimethylbenzene
Concen: 22.210 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion:105 Resp: 252608
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.545 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

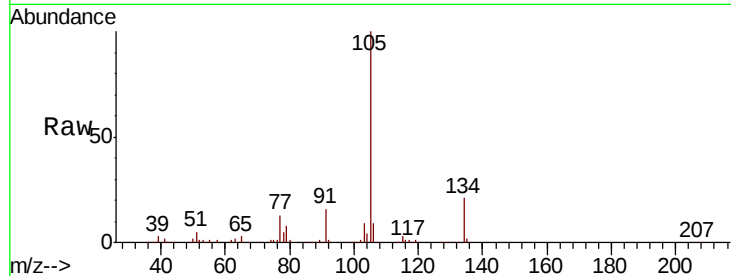
VW1019SBSD01

Tot Ion:105 Resp: 320286

Ion Ratio Lower Upper

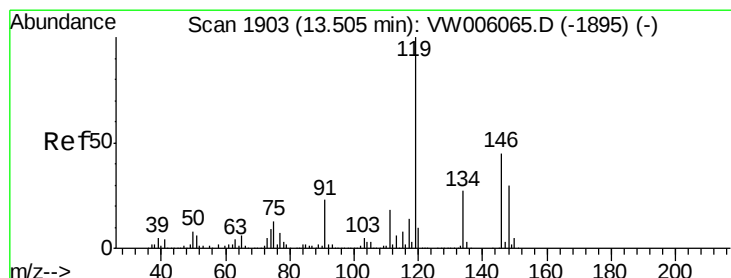
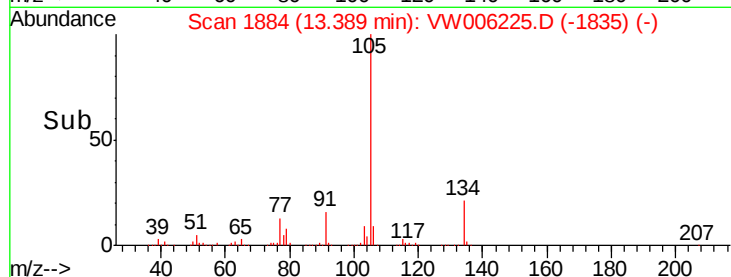
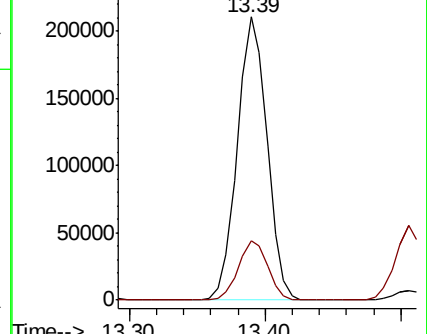
105 100

134 21.0 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.324 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

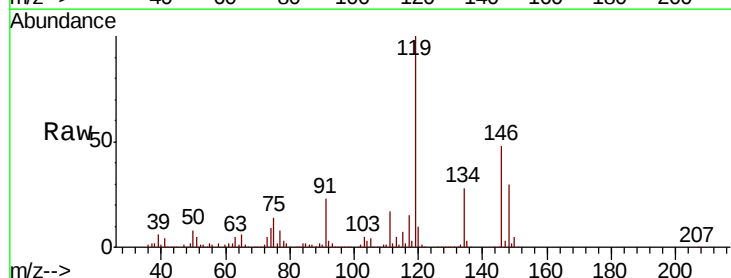
Tgt Ion:119 Resp: 286854

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

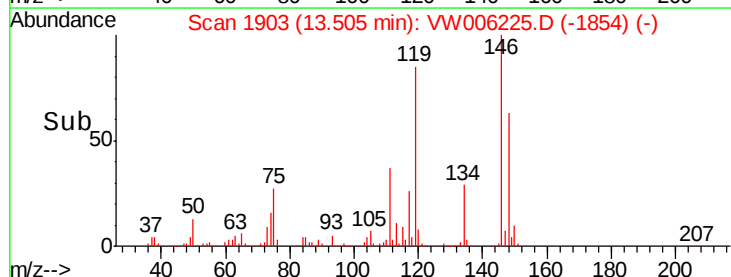
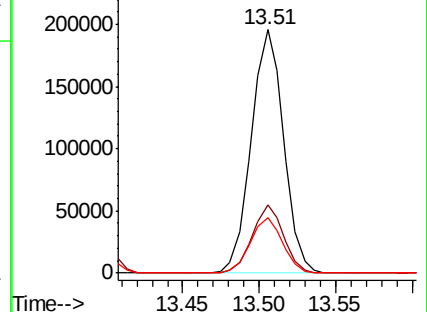
91 22.6 11.4 34.1

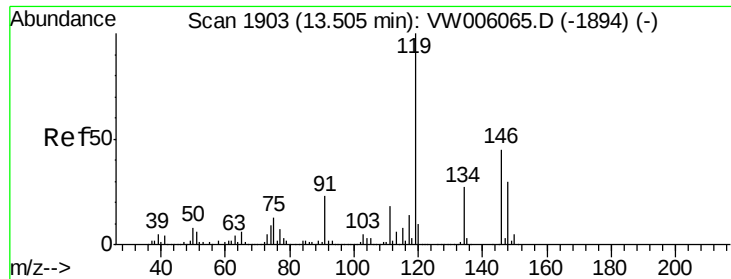


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

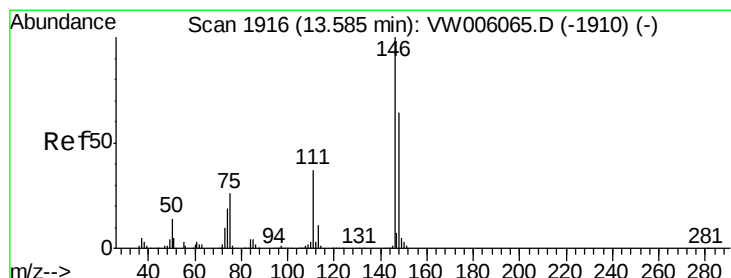
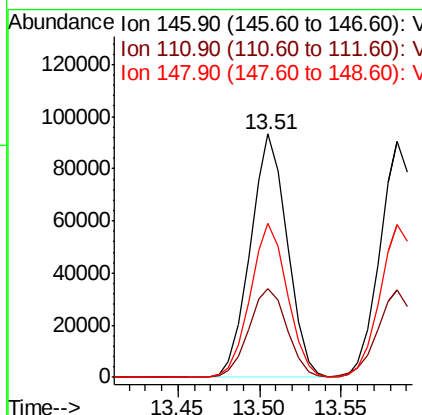
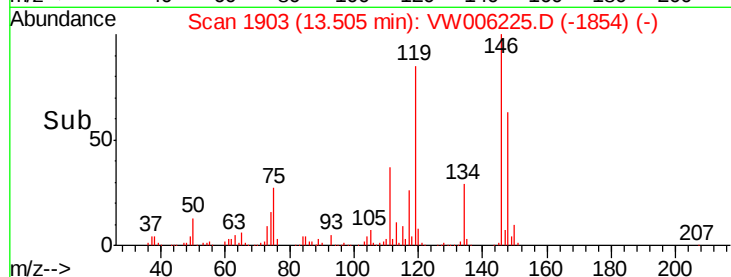
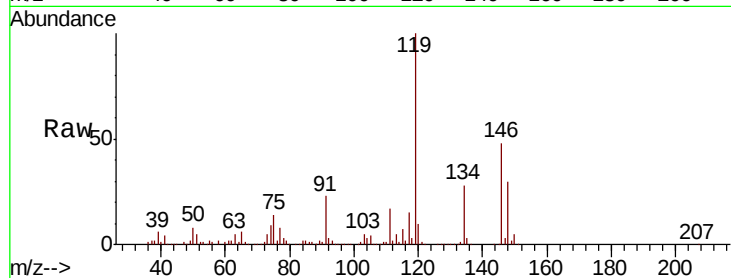




#87
 1,3-Dichlorobenzene
 Concen: 22.513 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

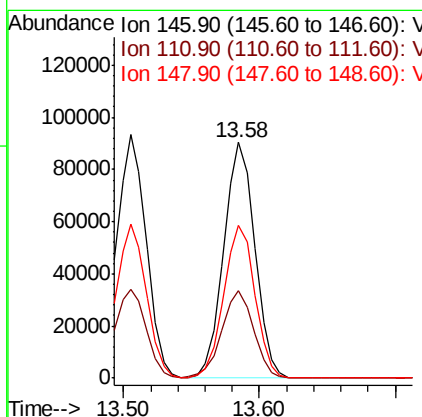
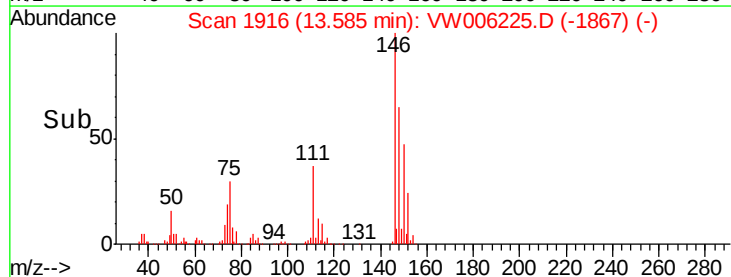
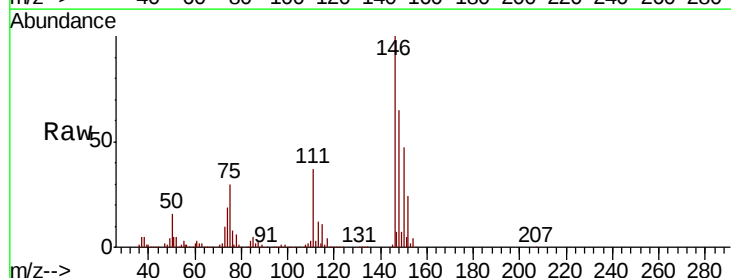
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBSD01

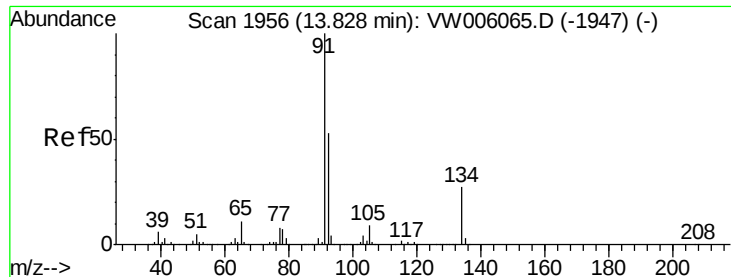
Tot Ion:146 Resp: 146311
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.5
 148 63.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 22.159 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Tgt Ion:146 Resp: 143385
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 56.0
 148 65.1 32.1 96.5





#89

n-Butylbenzene

Concen: 22.694 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBSD01

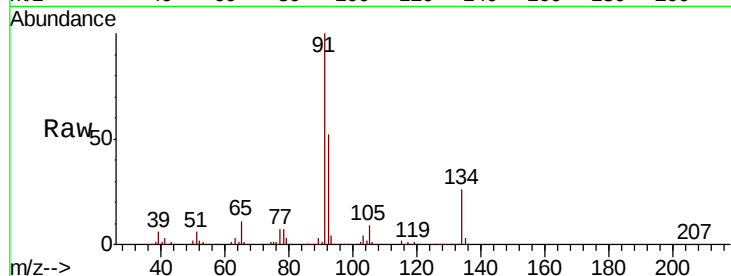
Tot Ion: 91 Resp: 266690

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.7

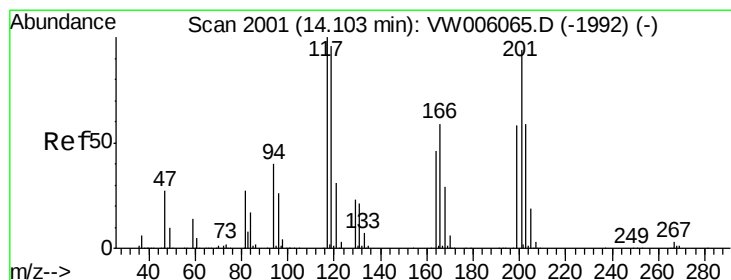
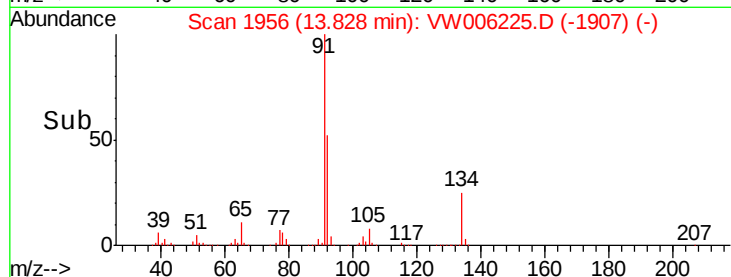
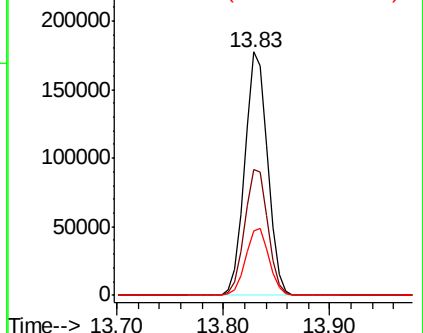
134 28.0 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.848 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006225.D

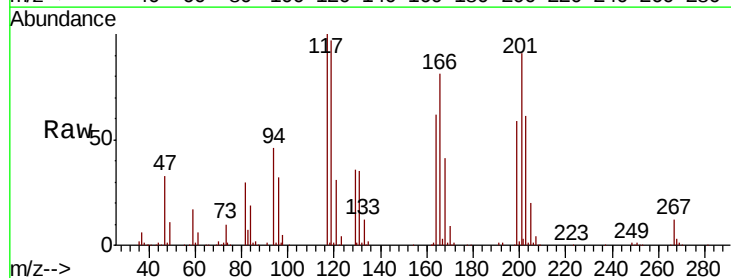
Acq: 19 Oct 2018 15:20

Tgt Ion: 117 Resp: 41025

Ion Ratio Lower Upper

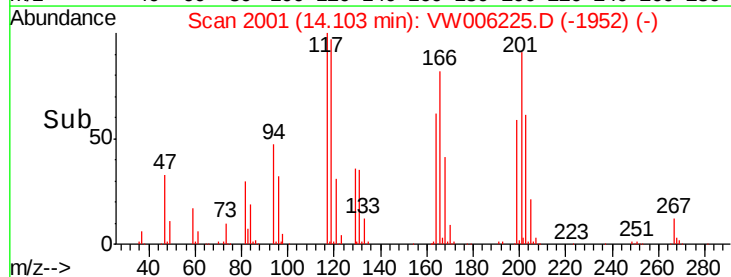
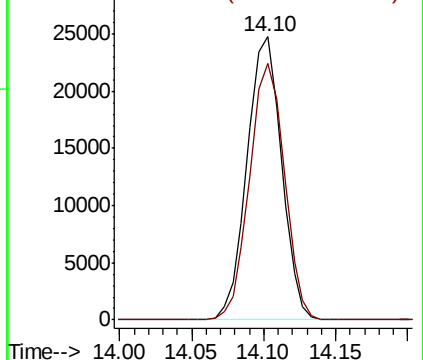
117 100

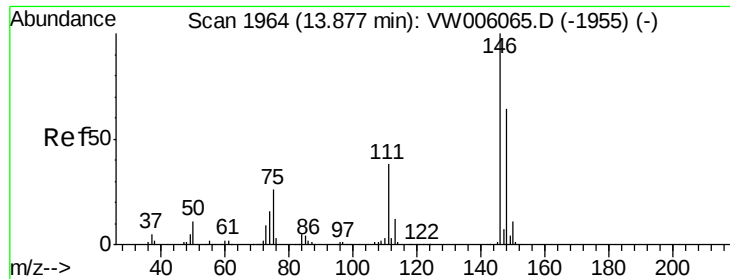
201 91.5 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.242 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

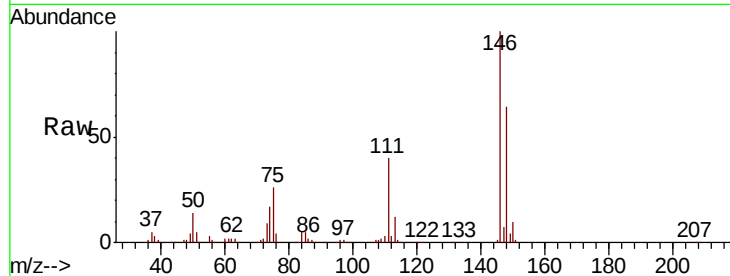
Tot Ion:146 Resp: 128939

Ion Ratio Lower Upper

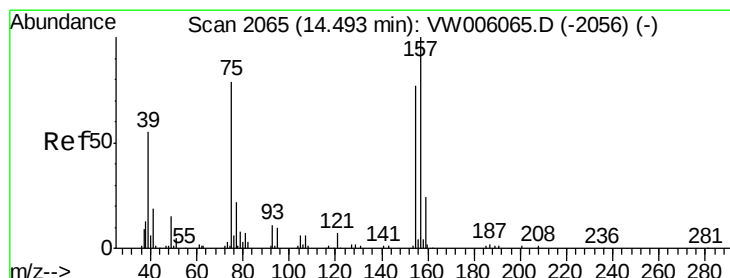
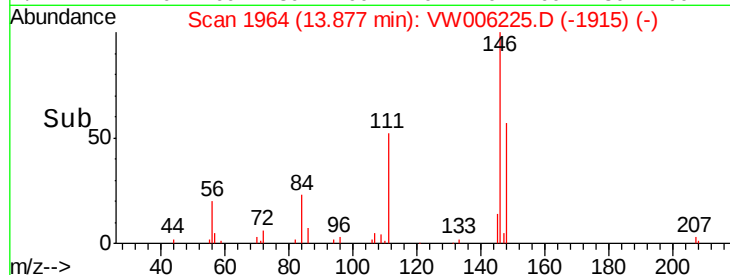
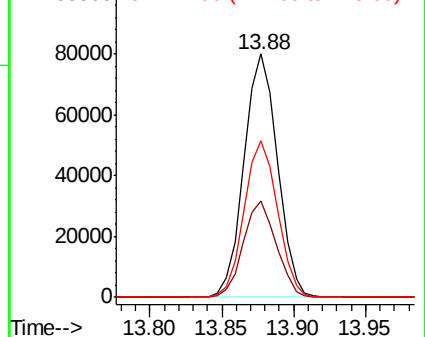
146 100

111 39.0 19.6 58.7

148 64.1 32.2 96.6



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: 17.980 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW006225.D

Acq: 19 Oct 2018 15:20

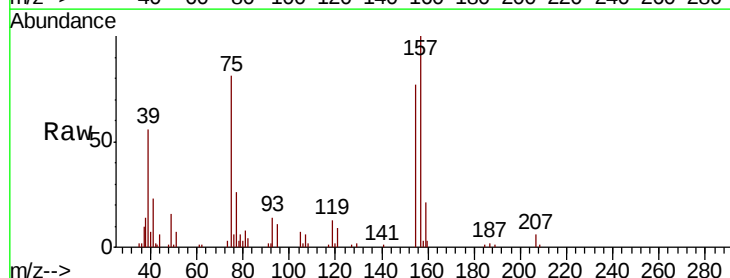
Tgt Ion: 75 Resp: 6528

Ion Ratio Lower Upper

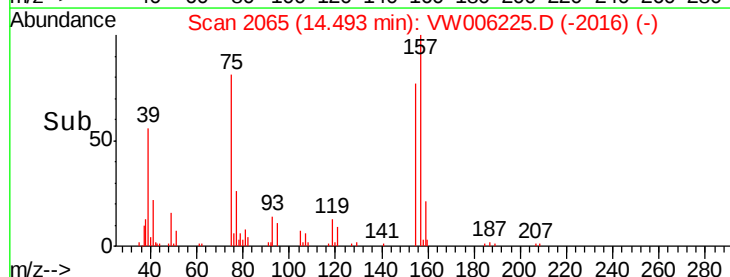
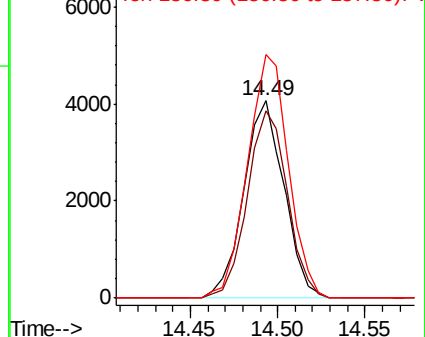
75 100

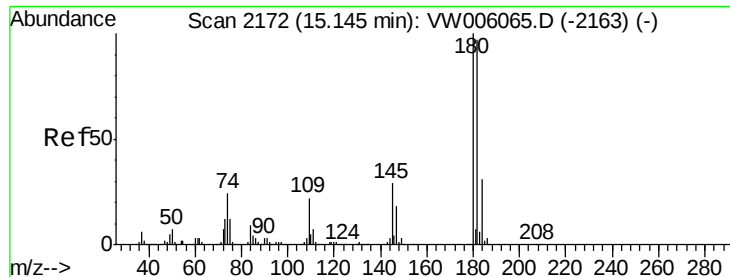
155 94.5 46.5 139.5

157 125.6 59.8 179.4



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

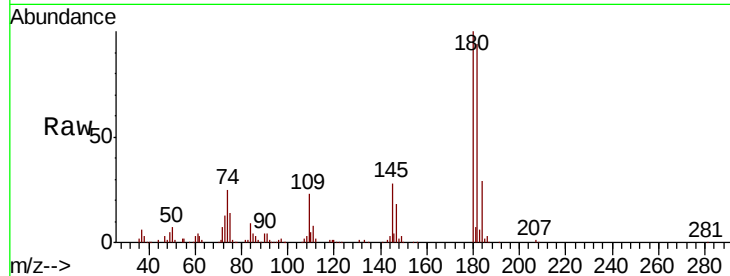




#93
 1,2,4-Trichlorobenzene
 Concen: 22.491 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.6
145	27.8	14.2	42.8

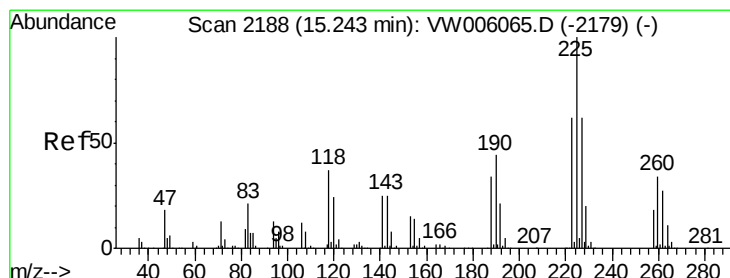
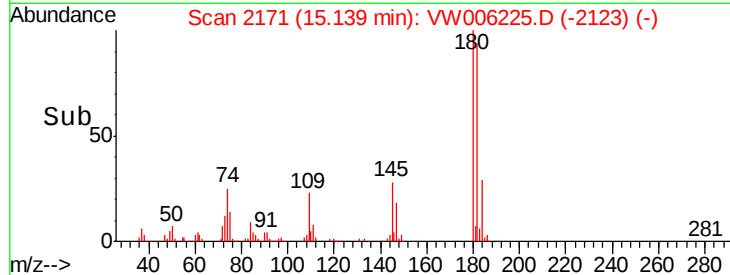
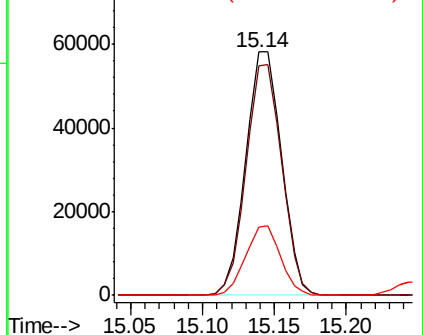


Abundance

Ion 179.80 (179.50 to 180.50): V

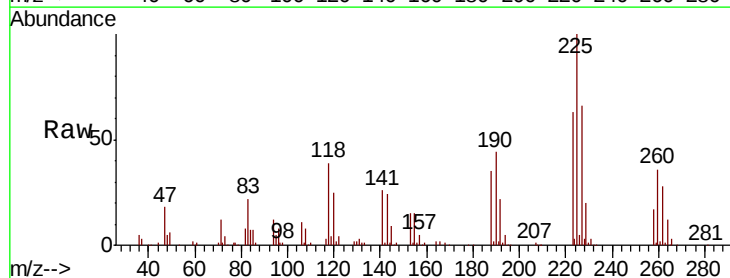
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.288 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006225.D
 Acq: 19 Oct 2018 15:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.5
227	64.7	32.4	97.0

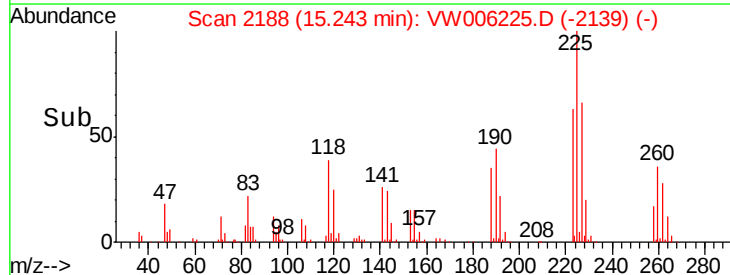
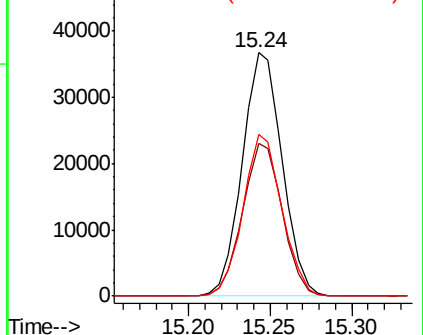


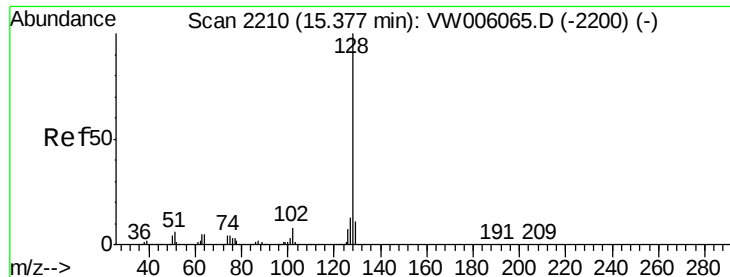
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

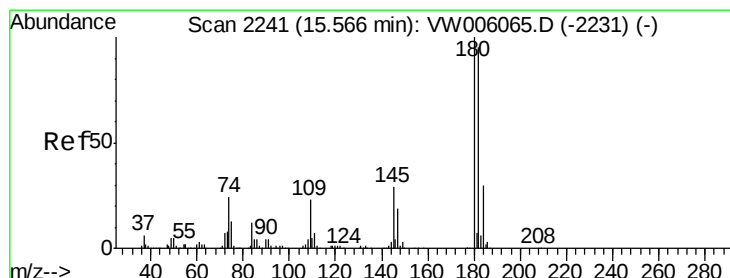
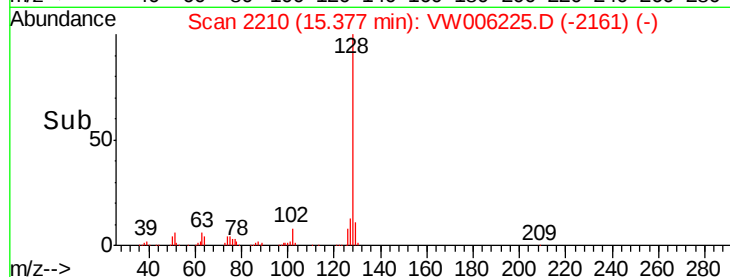
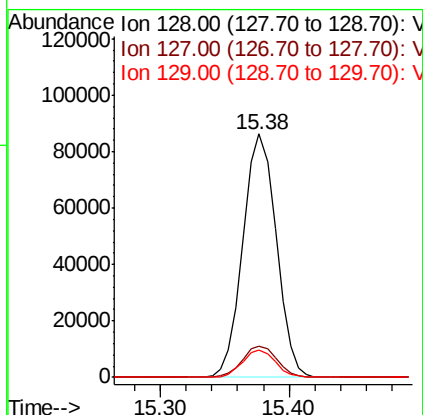
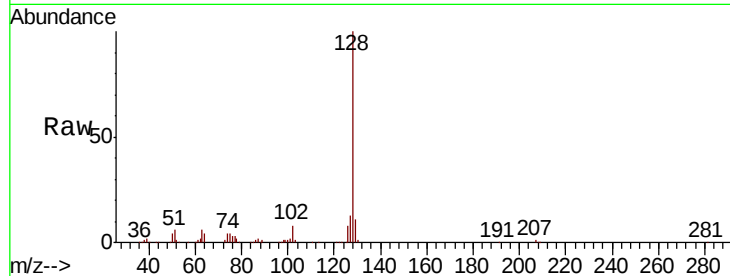




#95
Naphthalene
Concen: 20.847 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW1019SBSD01

Tot Ion:128 Resp: 154684
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.006 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006225.D
Acq: 19 Oct 2018 15:20

Tgt Ion:180 Resp: 84902
Ion Ratio Lower Upper
180 100
182 94.5 47.8 143.3
145 30.1 15.0 45.1

