

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006205.D
 Acq On : 19 Oct 2018 06:04
 Operator : VA/AP
 Sample : J5565-05MS
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MS

Quant Time: Oct 19 07:58:44 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	178537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	257798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	196459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	70835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	84493	57.08	ug/l	0.00
Spiked Amount			Recovery	=	114.16%	
35) Dibromofluoromethane	7.88	113	80885	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
50) Toluene-d8	10.32	98	277855	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	12.62	95	77579	35.64	ug/l	0.00
Spiked Amount			Recovery	=	71.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	48959	55.415	ug/l	98
3) Chloromethane	2.21	50	58978	51.859	ug/l	97
4) Vinyl Chloride	2.37	62	94026	57.893	ug/l	99
5) Bromomethane	2.79	94	56823	38.466	ug/l	100
6) Chloroethane	2.93	64	65421	56.208	ug/l	96
7) Trichlorofluoromethane	3.26	101	71724	47.405	ug/l	96
8) Diethyl Ether	3.67	74	51840	64.470	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	80204	50.583	ug/l	98
10) Methyl Iodide	4.26	142	72803	27.587	ug/l	99
11) Tert butyl alcohol	5.21	59	27034	271.568	ug/l	99
12) 1,1-Dichloroethene	4.04	96	85839	57.543	ug/l	92
14) Allvl chloride	4.67	41	82717	38.781	ug/l	99
15) Acrylonitrile	5.37	53	78941	273.712	ug/l	98
16) Acetone	4.13	43	74081	267.833	ug/l	97
17) Carbon Disulfide	4.38	76	138558	30.776	ug/l	100
18) Methyl Acetate	4.67	43	100371	134.747	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	144233	63.481	ug/l	99
20) Methylene Chloride	4.91	84	105119	67.694	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	95001	57.055	ug/l	98
22) Diisopropyl ether	6.32	45	252529	59.912	ug/l	96
23) Vinyl Acetate	6.31	43	136321	54.802	ug/l #	71
24) 1,1-Dichloroethane	6.21	63	164657	60.540	ug/l	100
25) 2-Butanone	7.18	43	107500	268.840	ug/l	98
26) 2,2-Dichloropropane	7.16	77	81857	42.673	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	107586	58.551	ug/l	97
28) Bromochloromethane	7.51	49	69109	65.818	ug/l	96
29) Tetrahydrofuran	7.54	42	76851	312.671	ug/l	98
30) Chloroform	7.68	83	176345	59.511	ug/l	98
31) Cyclohexane	7.95	56	107253	39.599	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	141297	52.861	ug/l	100
36) 1,1-Dichloropropene	8.09	75	122987	51.758	ug/l	99
37) Ethyl Acetate	7.26	43	6744	7.639	ug/l #	80
38) Carbon Tetrachloride	8.07	117	117220	45.000	ug/l	97
39) Methylcyclohexane	9.34	83	93436	29.582	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	368599	56.551	ug/l	99
41) Methacrylonitrile	7.49	41	24402	45.850	ug/l	96
42) 1,2-Dichloroethane	8.40	62	118448	61.853	ug/l	100
43) Isopropyl Acetate	8.43	43	23542	13.042	ug/l #	61
44) Trichloroethene	9.09	130	103951	51.983	ug/l	97
45) 1,2-Dichloropropane	9.37	63	88893	56.993	ug/l	99
46) Dibromomethane	9.46	93	54243	61.018	ug/l	99
47) Bromodichloromethane	9.65	83	103403	47.977	ug/l	98
48) Methyl methacrylate	9.44	41	56202	65.684	ug/l	97
49) 1,4-Dioxane	9.47	88	16207	1184.261	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	264828	292.815	ug/l	100
52) Toluene	10.39	92	220126	50.374	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	88563	41.243	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	100072	40.606	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	71908	57.803	ug/l	97
56) Ethyl methacrylate	10.65	69	11596	7.604	ug/l #	74
57) 1,3-Dichloropropane	10.93	76	117859	57.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	111937	192.087	ug/l	99
59) 2-Hexanone	10.97	43	155135	240.293	ug/l	98
60) Dibromochloromethane	11.13	129	68481	44.195	ug/l	100
61) 1,2-Dibromoethane	11.24	107	65374	52.594	ug/l	100
64) Tetrachloroethene	10.87	164	76806	50.361	ug/l	99
65) Chlorobenzene	11.66	112	224283	53.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	84589	56.597	ug/l	99
67) Ethyl Benzene	11.74	91	377645	51.814	ug/l	98
68) m/p-Xylenes	11.84	106	290379	100.799	ug/l	99
69) o-Xylene	12.17	106	140208	51.069	ug/l	100
70) Stvrene	12.18	104	179581	40.224	ug/l	97
71) Bromoform	12.35	173	37842	45.394	ug/l #	99
73) Isopropylbenzene	12.47	105	324896	64.924	ug/l	99
74) N-amyl acetate	12.27	43	2389	2.458	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	71084	93.393	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	80425	148.649	ug/l #	100
77) Bromobenzene	12.75	156	88550	72.244	ug/l	99
78) n-propylbenzene	12.81	91	327217	56.203	ug/l	100
79) 2-Chlorotoluene	12.90	91	196799	60.161	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	238606	56.559	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10247	45.273	ug/l	89
82) 4-Chlorotoluene	12.99	91	204758	59.754	ug/l	100
83) tert-Butylbenzene	13.21	119	205062	54.329	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	244653	57.310	ug/l	100
85) sec-Butylbenzene	13.39	105	230637	43.252	ug/l	100
86) p-Isopropyltoluene	13.51	119	201101	41.695	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	124518	51.045	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	126804	52.209	ug/l	98
89) n-Butylbenzene	13.83	91	129750	29.416	ug/l	100
90) Hexachloroethane	14.10	117	27935	34.194	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	112448	51.679	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9686	71.078	ug/l	98
93) 1,2,4-Trichlorobenzene	15.14	180	39888	23.825	ug/l	100

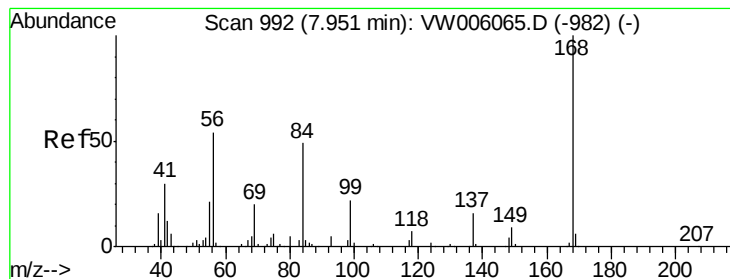
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	16777	15.952	ug/l	99
95) Naphthalene	15.38	128	105590	37.912	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	32691	22.575	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

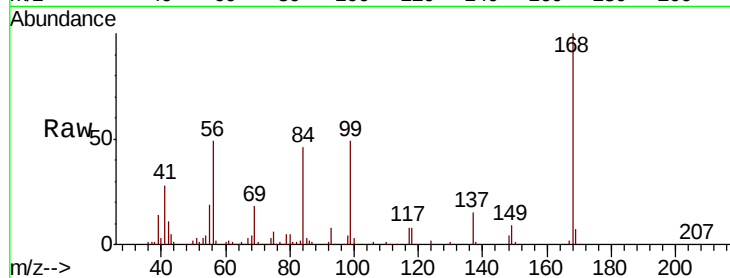
RLF-SD-5MS

Tot Ion:168 Resp: 178537

Ion Ratio Lower Upper

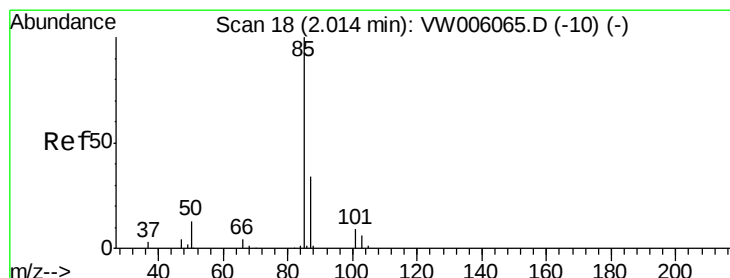
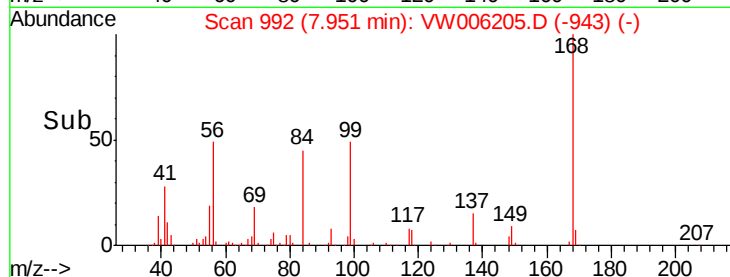
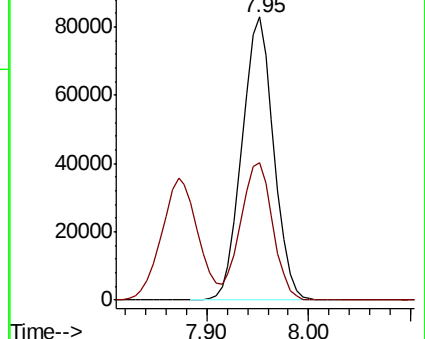
168 100

99 48.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 55.415 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006205.D

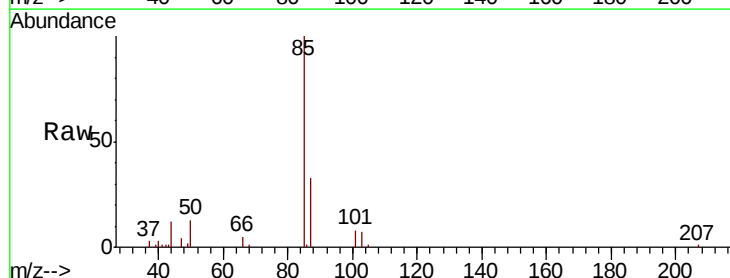
Acq: 19 Oct 2018 06:04

Tgt Ion: 85 Resp: 48959

Ion Ratio Lower Upper

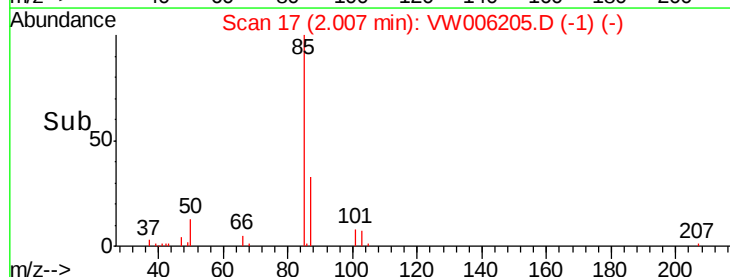
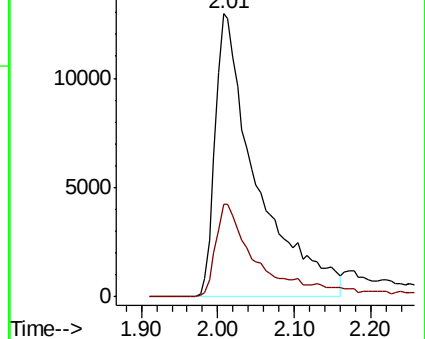
85 100

87 32.6 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 51.859 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

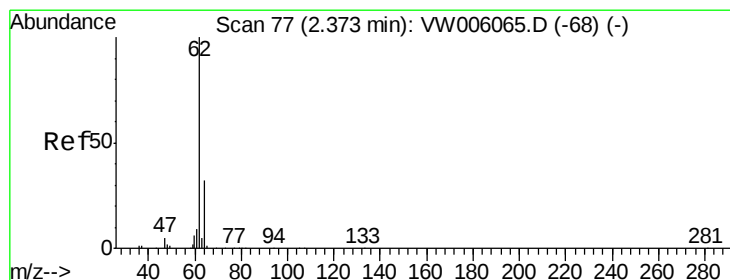
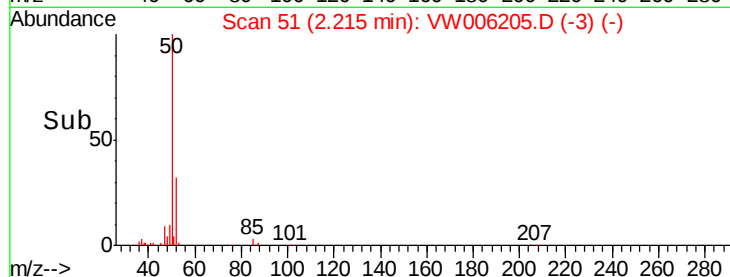
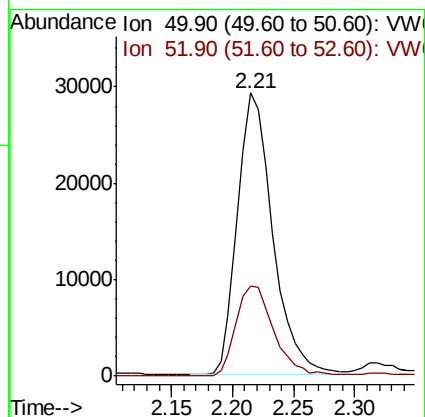
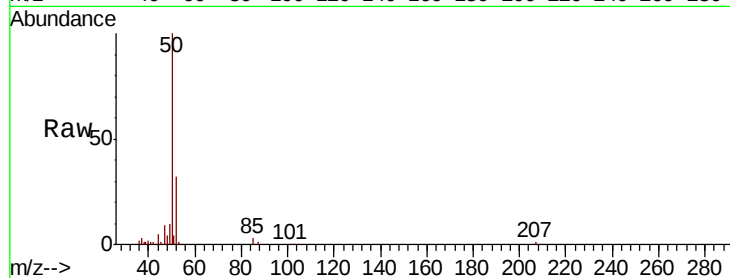
RLF-SD-5MS

Tot Ion: 50 Resp: 58978

Ion Ratio Lower Upper

50 100

52 31.8 26.8 40.2



#4

Vinyl Chloride

Concen: 57.893 ug/l

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW006205.D

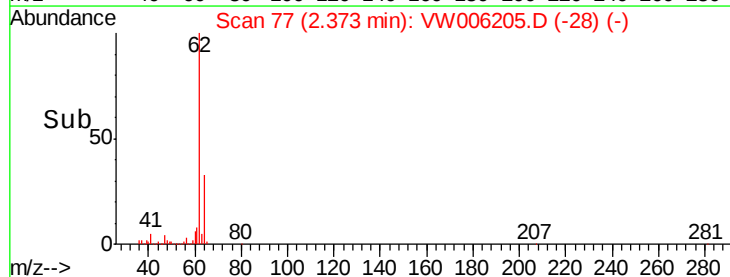
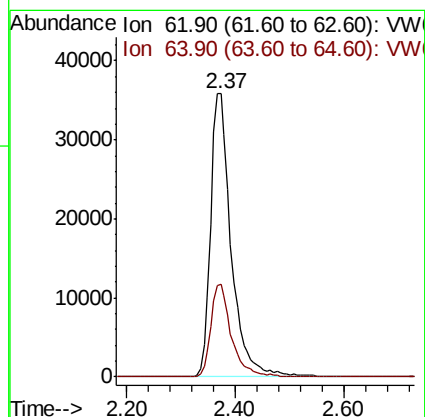
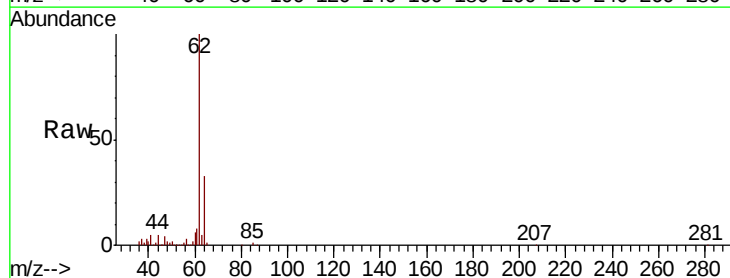
Acq: 19 Oct 2018 06:04

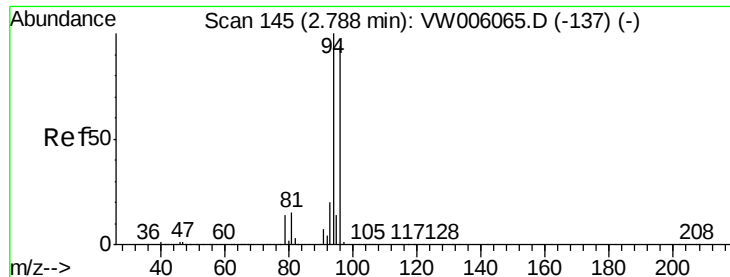
Tgt Ion: 62 Resp: 94026

Ion Ratio Lower Upper

62 100

64 32.9 25.9 38.9





#5

Bromomethane

Concen: 38.466 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampled :

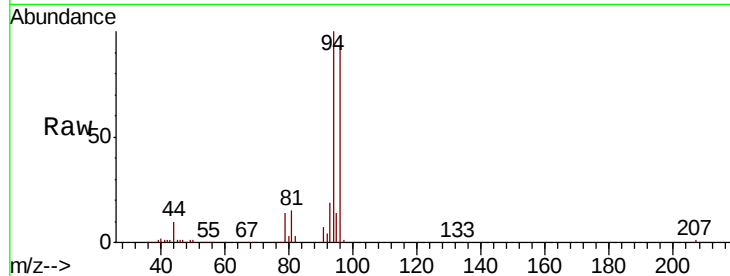
RLF-SD-5MS

Tot Ion: 94 Resp: 56823

Ion Ratio Lower Upper

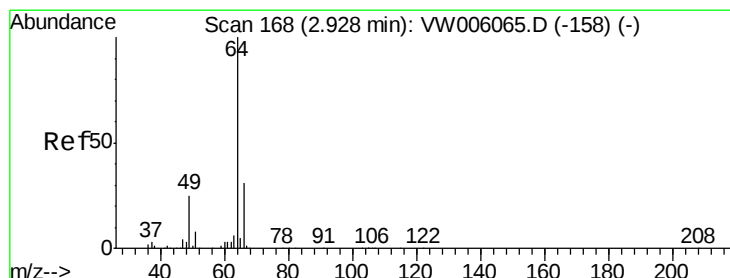
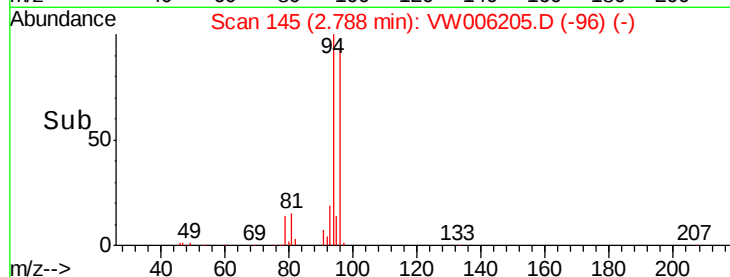
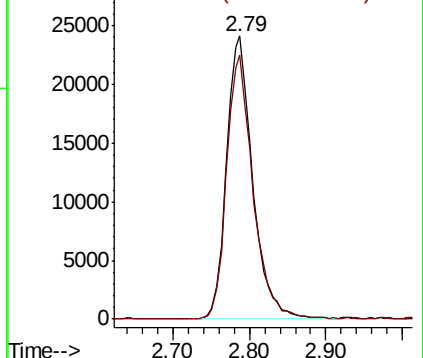
94 100

96 93.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 56.208 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006205.D

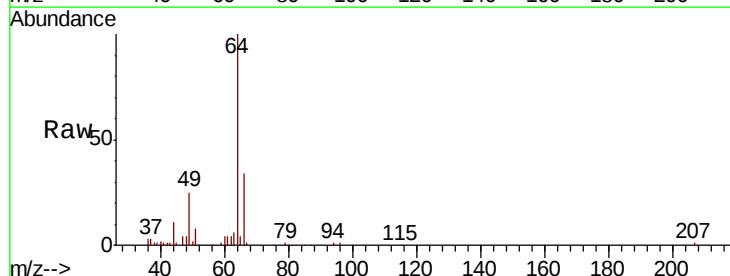
Acq: 19 Oct 2018 06:04

Tgt Ion: 64 Resp: 65421

Ion Ratio Lower Upper

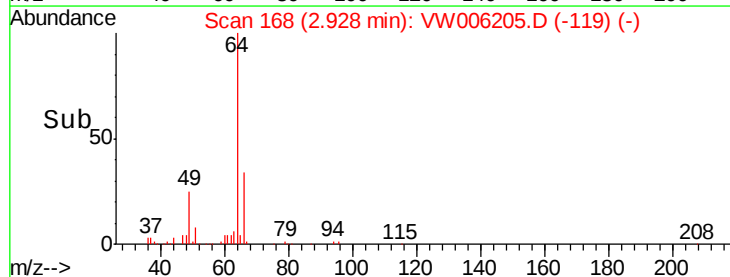
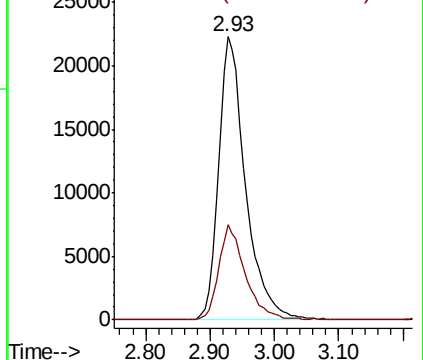
64 100

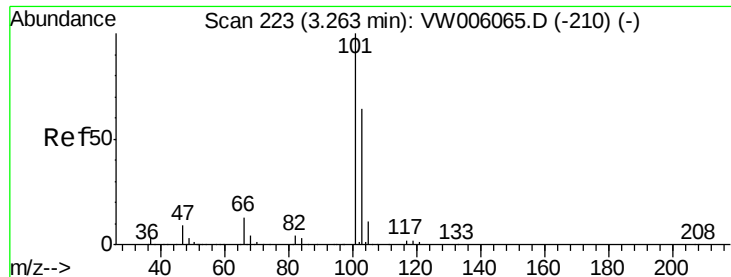
66 33.5 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



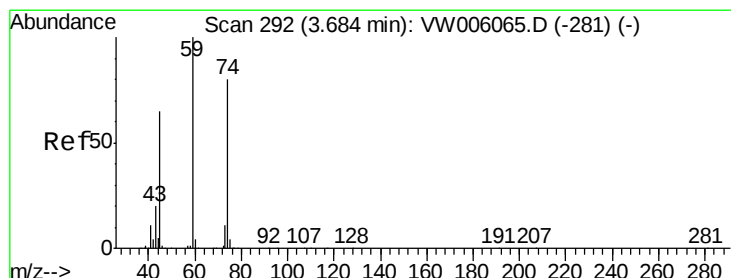
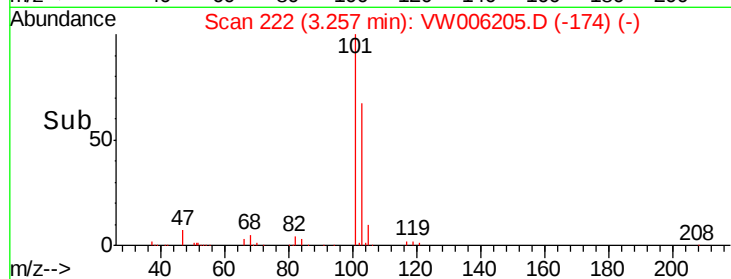
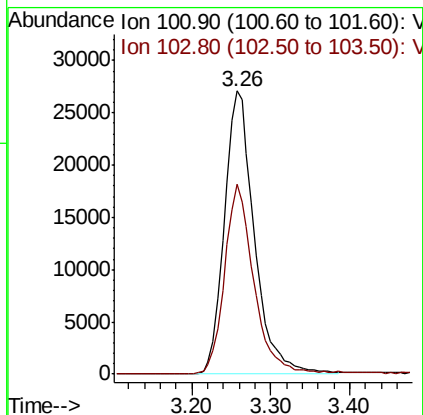
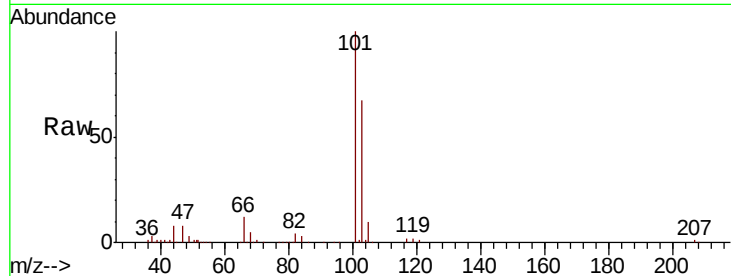


#7

Trichlorofluoromethane
 Concen: 47.405 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Instrument :
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 RLF-SD-5MS

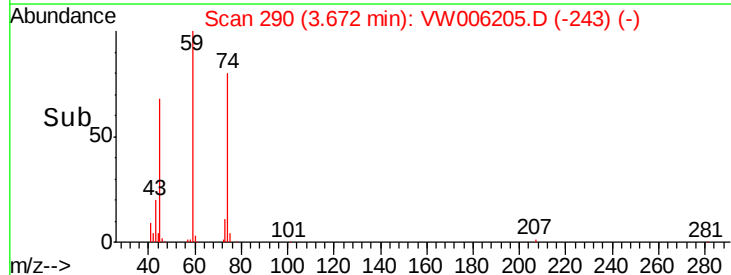
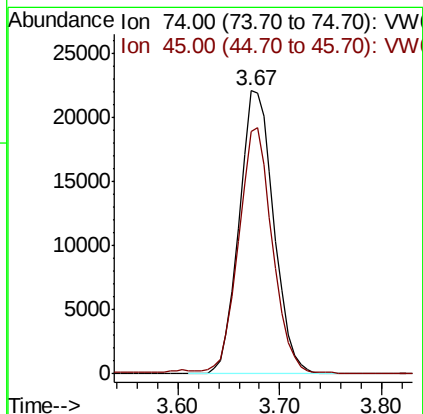
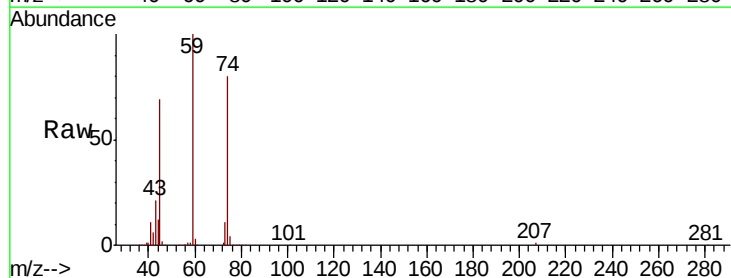
Tot Ion:101 Resp: 71724
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.2 76.8



#8

Diethyl Ether
 Concen: 64.470 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Tgt Ion: 74 Resp: 51840
 Ion Ratio Lower Upper
 74 100
 45 85.6 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.583 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

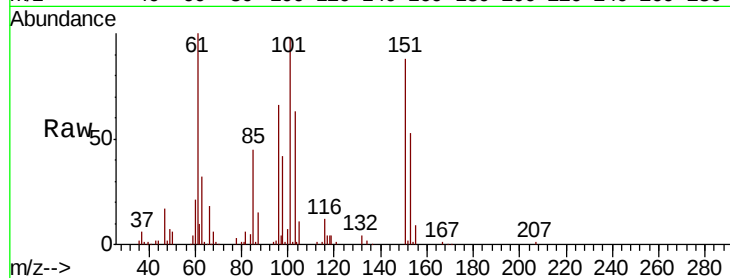
Tot Ion:101 Resp: 80204

Ion Ratio Lower Upper

101 100

85 44.9 34.9 52.3

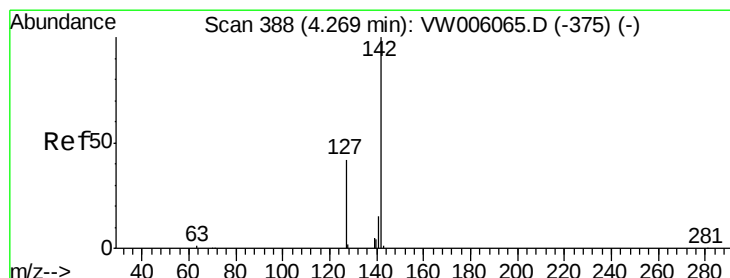
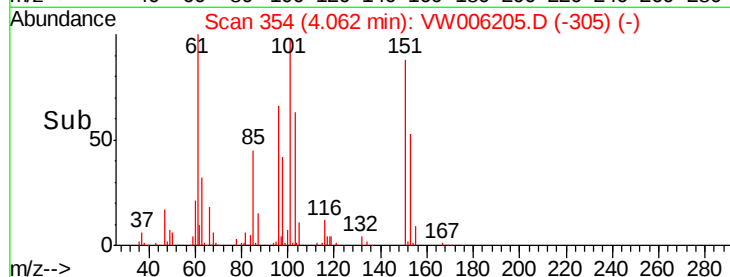
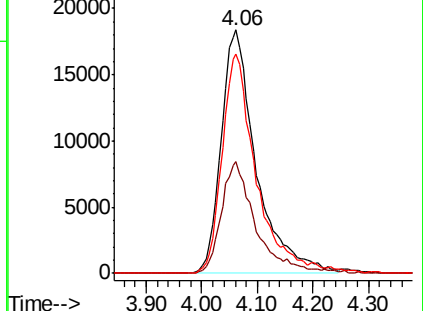
151 85.5 70.4 105.6



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: 27.587 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

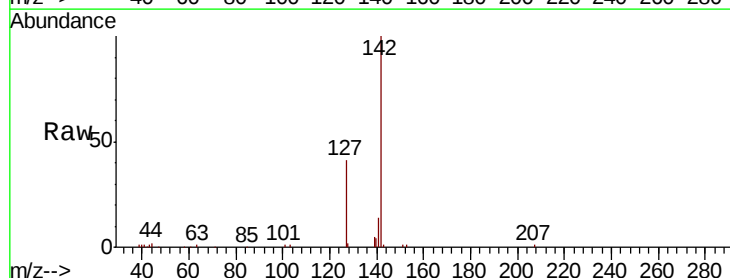
Tgt Ion:142 Resp: 72803

Ion Ratio Lower Upper

142 100

127 42.6 33.6 50.4

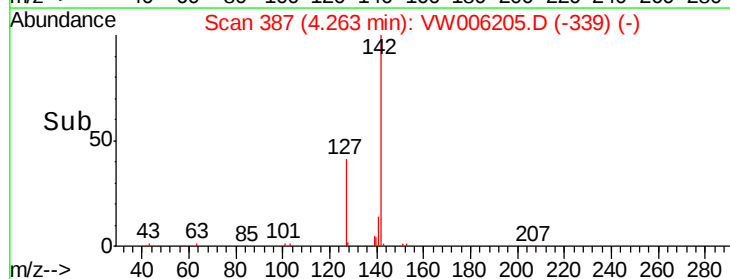
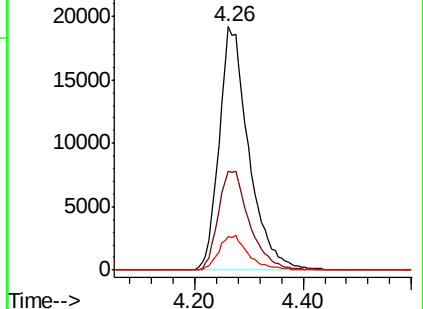
141 14.2 11.6 17.4

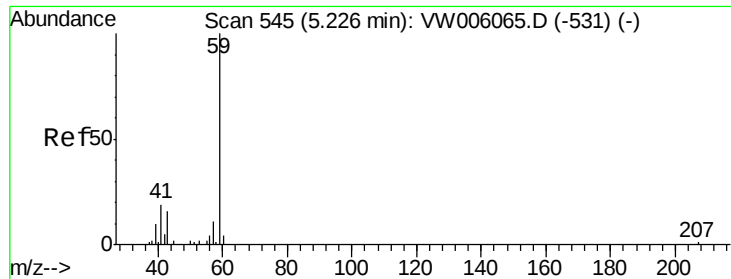


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



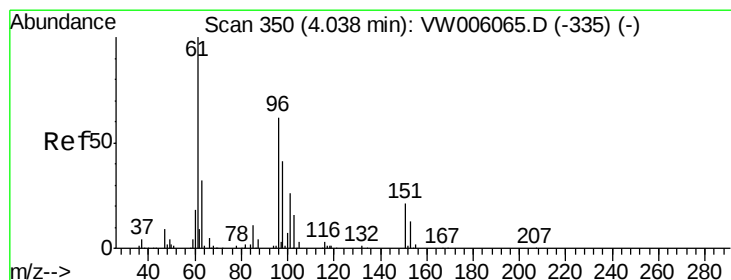
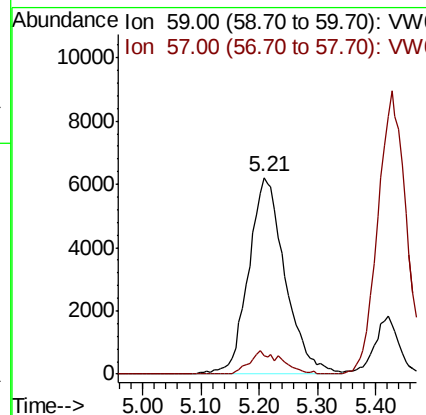
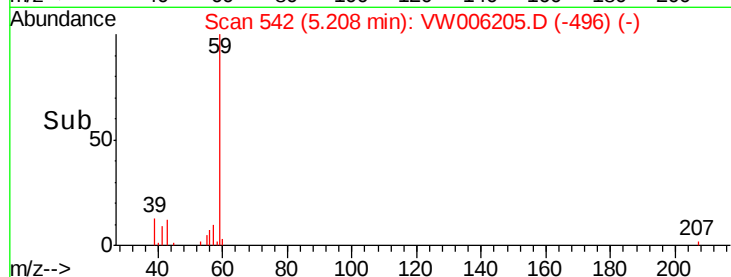
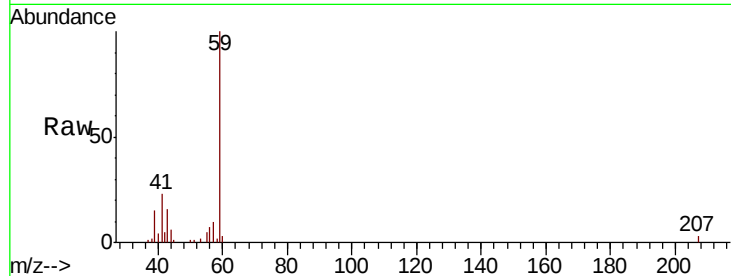


#11

Tert butyl alcohol
Concen: 271.568 ug/l
RT: 5.21 min Scan# 542
Delta R.T. -0.02 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

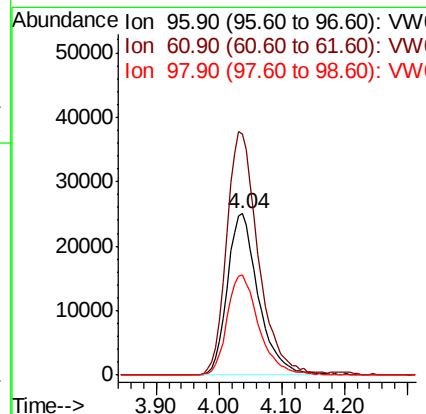
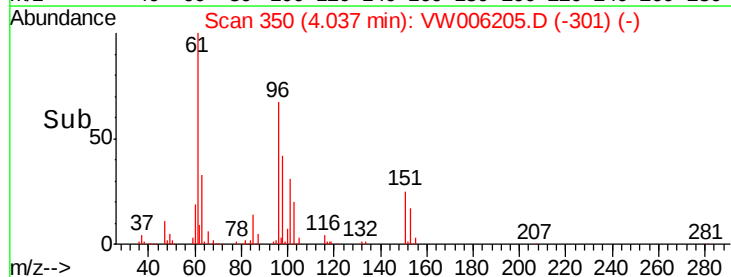
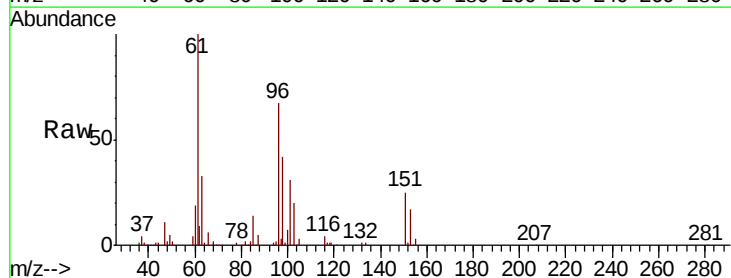
Tot Ion: 59 Resp: 27034
Ion Ratio Lower Upper
59 100
57 10.3 8.7 13.1

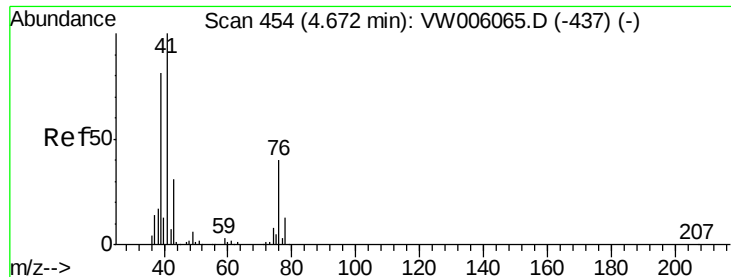


#12

1,1-Dichloroethene
Concen: 57.543 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion: 96 Resp: 85839
Ion Ratio Lower Upper
96 100
61 149.7 129.3 193.9
98 62.1 53.1 79.7





#14

Allvl chloride

Concen: 38.781 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

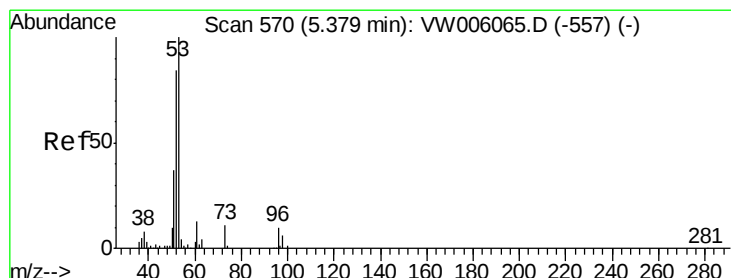
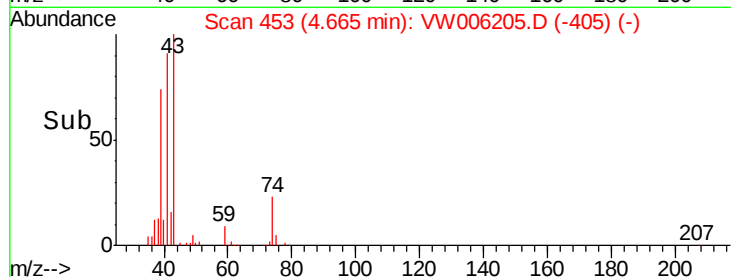
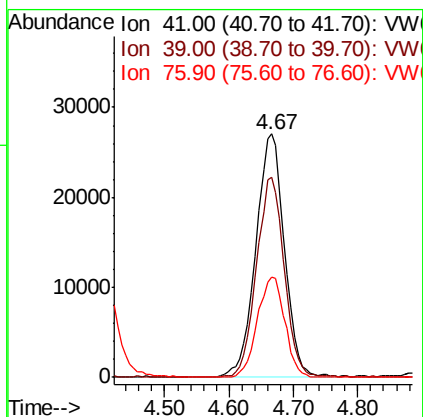
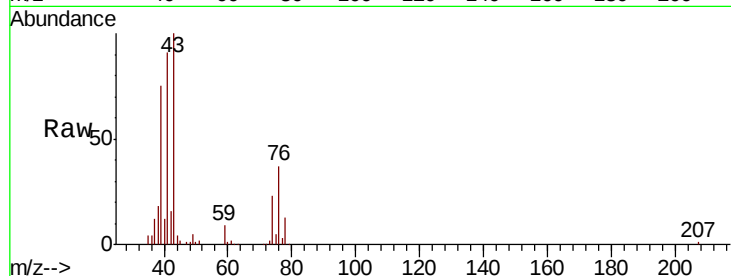
Tot Ion: 41 Resp: 82717

Ion Ratio Lower Upper

41 100

39 80.0 64.1 96.1

76 39.5 32.2 48.4



#15

Acrylonitrile

Concen: 273.712 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

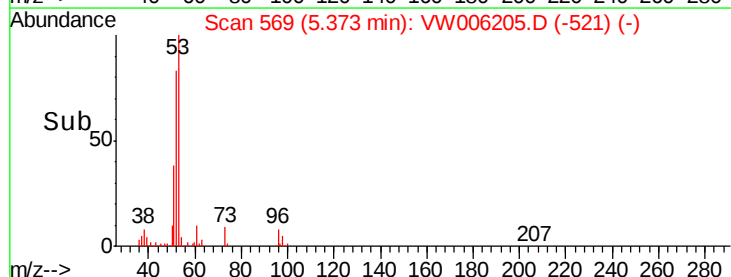
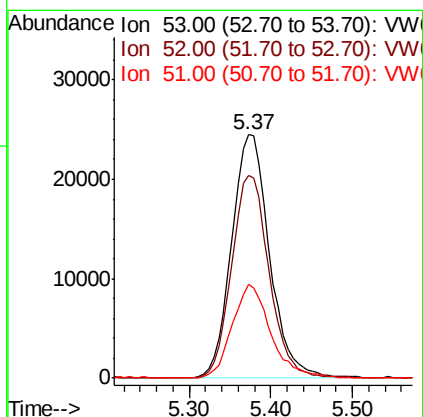
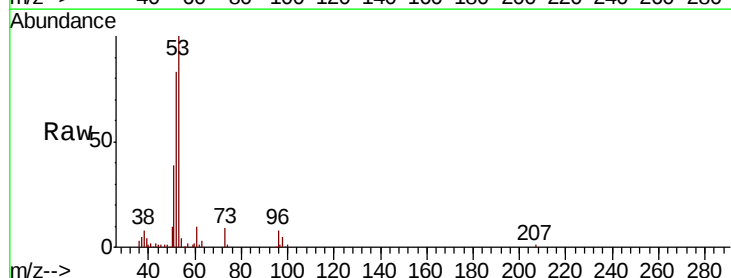
Tgt Ion: 53 Resp: 78941

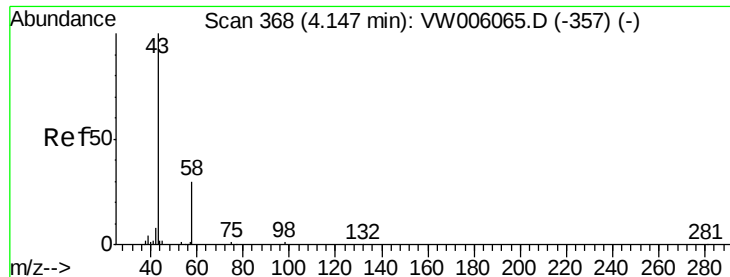
Ion Ratio Lower Upper

53 100

52 82.2 66.9 100.3

51 39.1 30.1 45.1





#16

Acetone

Concen: 267.833 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampled :

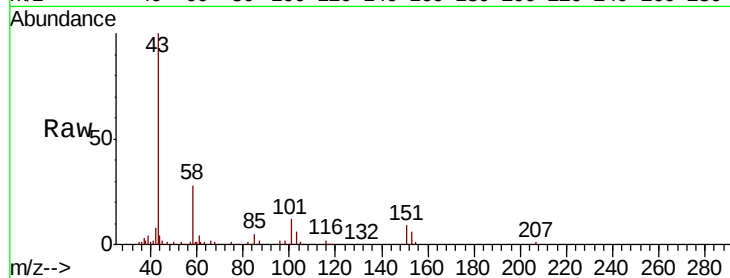
RLF-SD-5MS

Tot Ion: 43 Resp: 74081

Ion Ratio Lower Upper

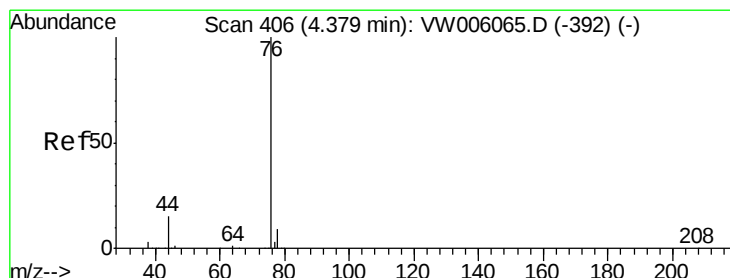
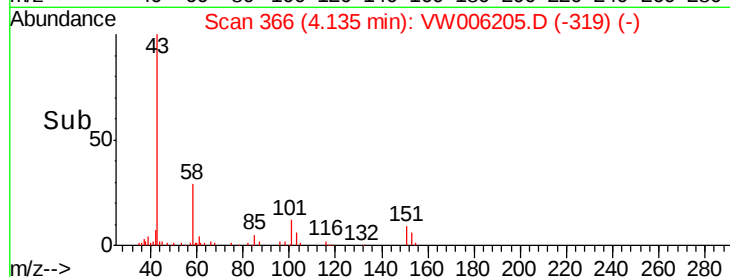
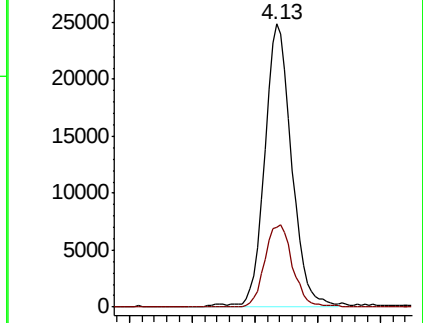
43 100

58 28.4 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 30.776 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006205.D

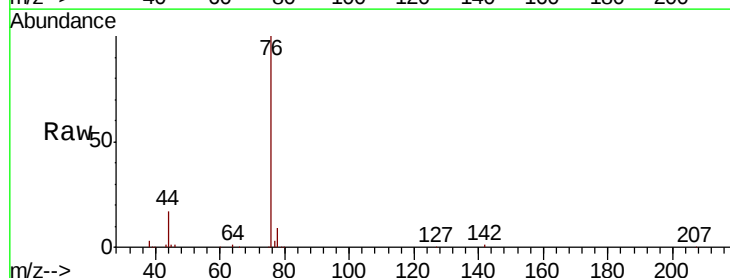
Acq: 19 Oct 2018 06:04

Tgt Ion: 76 Resp: 138558

Ion Ratio Lower Upper

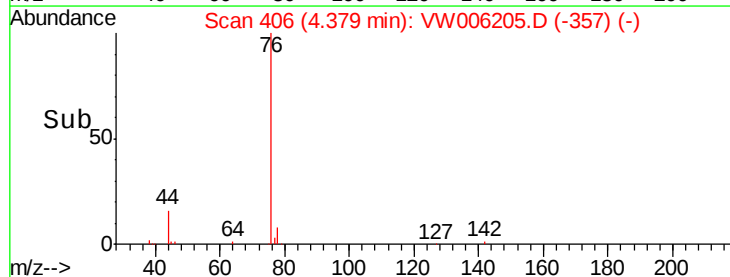
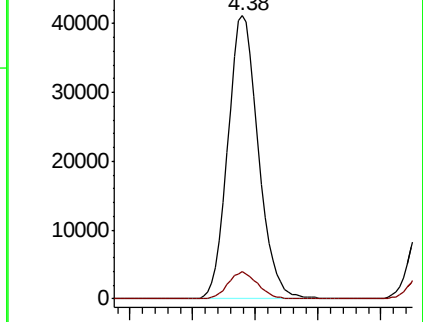
76 100

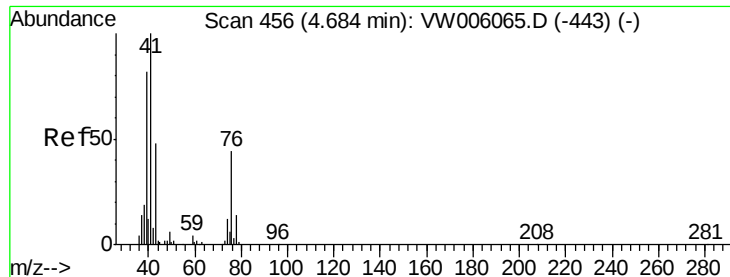
78 9.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

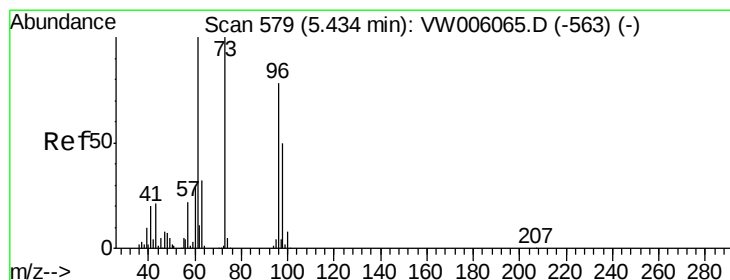
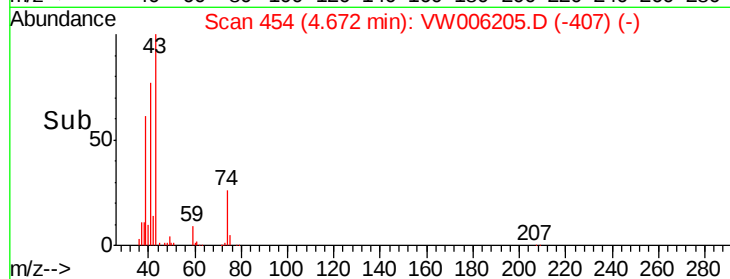
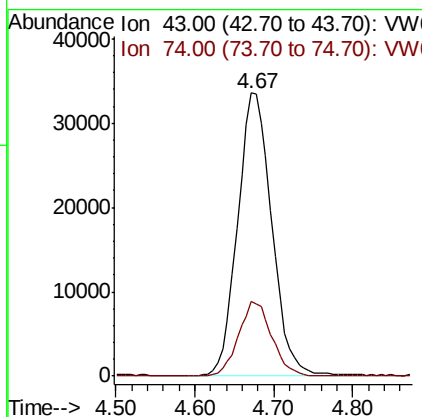
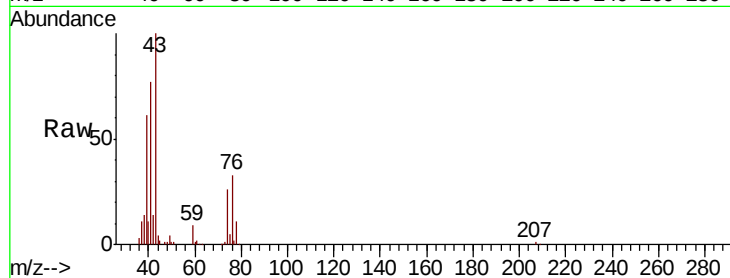




#18
Methyl Acetate
Concen: 134.747 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

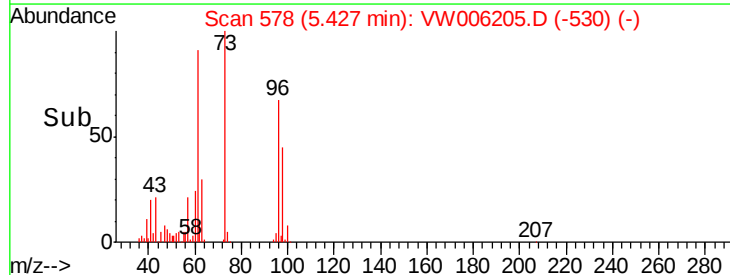
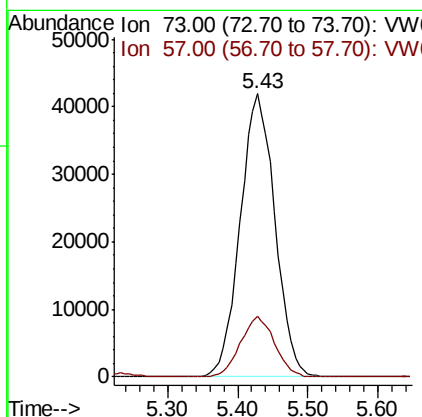
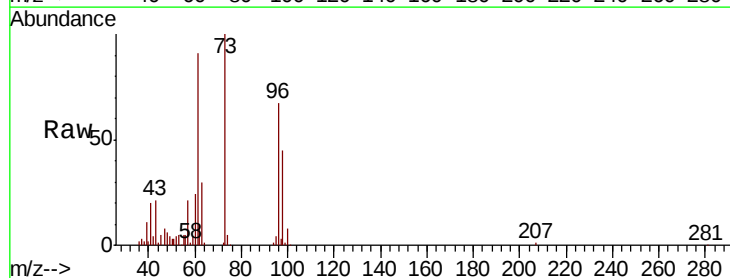
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

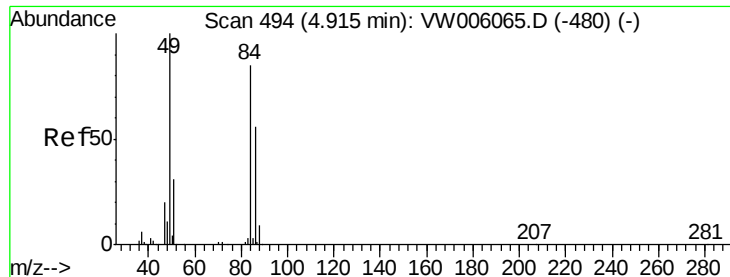
Tot Ion: 43 Resp: 100371
Ion Ratio Lower Upper
43 100
74 25.7 20.5 30.7



#19
Methyl tert-butyl Ether
Concen: 63.481 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion: 73 Resp: 144233
Ion Ratio Lower Upper
73 100
57 21.4 17.4 26.2





#20

Methylene Chloride

Concen: 67.694 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

Tot Ion: 84 Resp: 105119

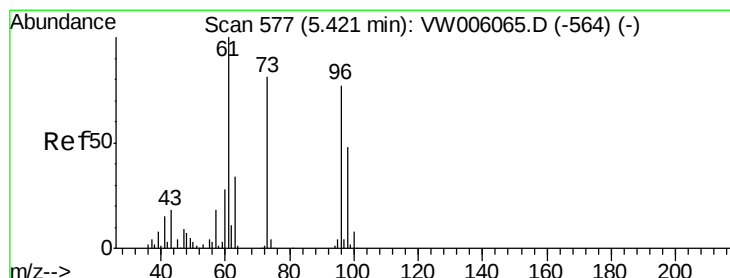
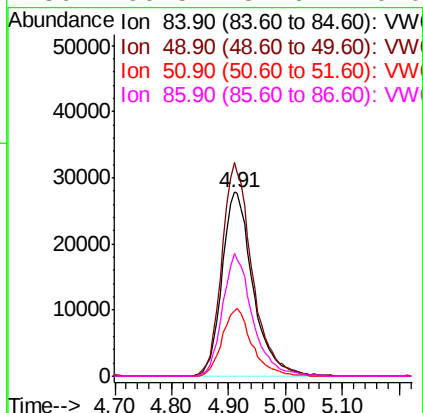
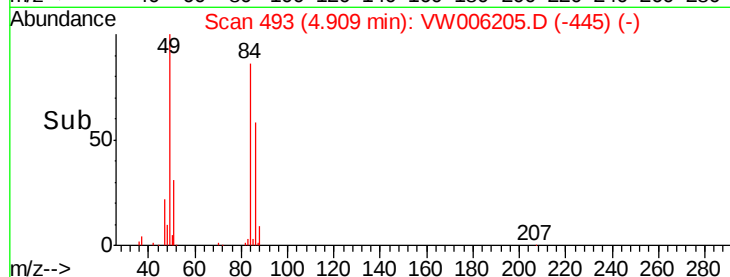
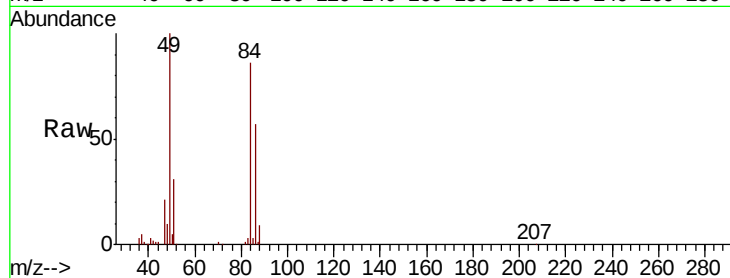
Ion Ratio Lower Upper

84 100

49 116.2 93.6 140.4

51 35.8 29.0 43.4

86 66.5 52.6 79.0



#21

trans-1,2-Dichloroethene

Concen: 57.055 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

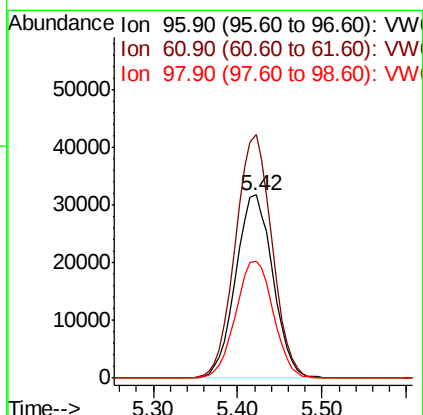
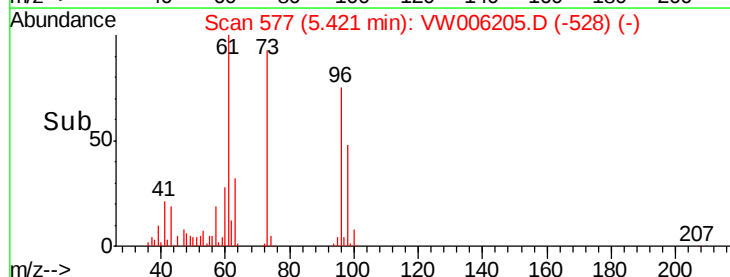
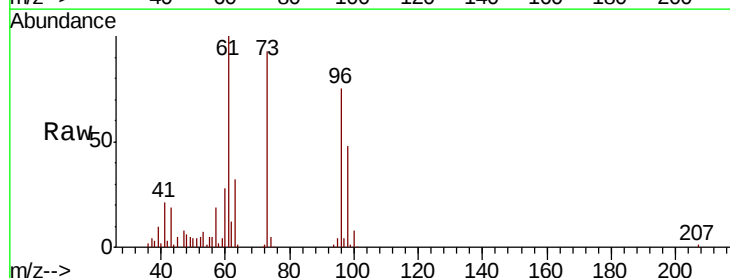
Tgt Ion: 96 Resp: 95001

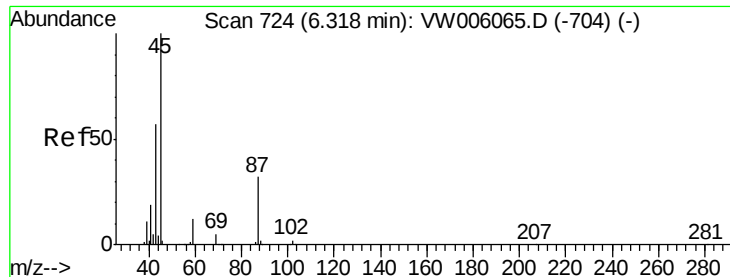
Ion Ratio Lower Upper

96 100

61 133.1 104.5 156.7

98 63.6 50.6 75.8



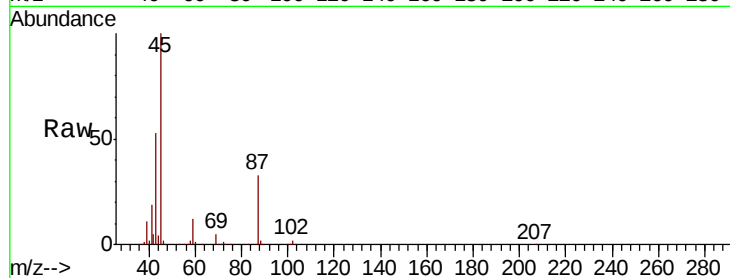


#22

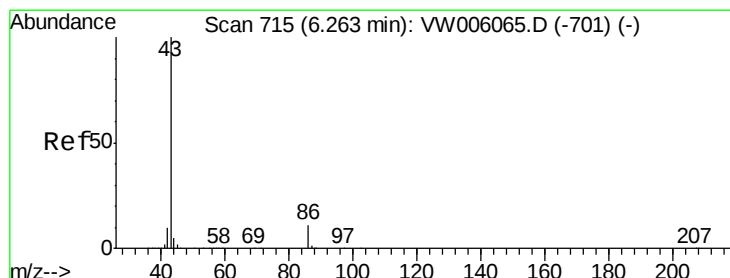
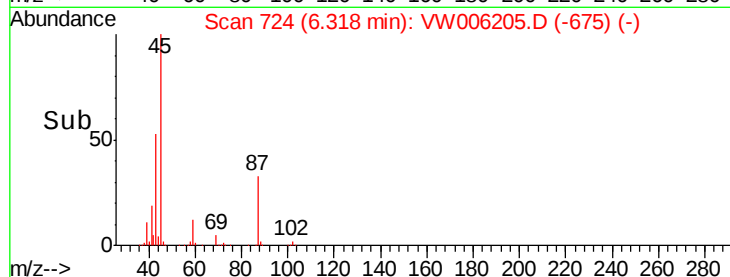
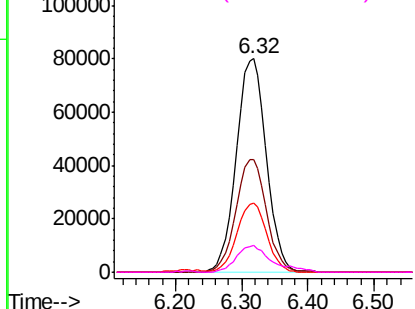
Diisopropyl ether
 Concen: 59.912 ug/l
 RT: 6.32 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MS

Tot Ion:	45	Resp:	252529
Ion	Ratio	Lower	Upper
45	100		
43	52.6	45.7	68.5
87	32.4	25.9	38.9
59	12.3	9.6	14.4



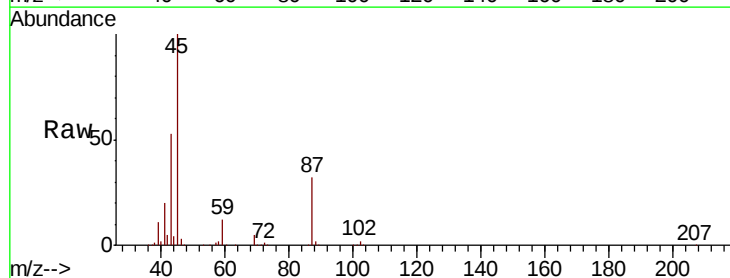
Abundance Ion 45.00 (44.70 to 45.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 87.00 (86.70 to 87.70): VW
 Ion 59.00 (58.70 to 59.70): VW



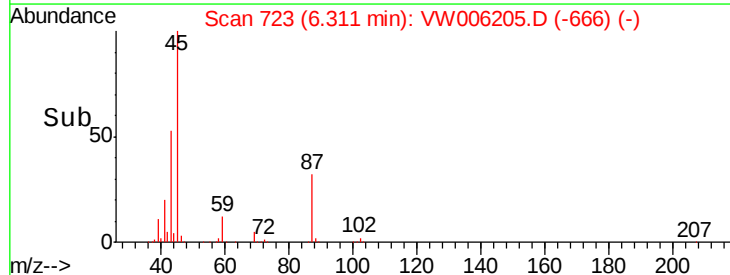
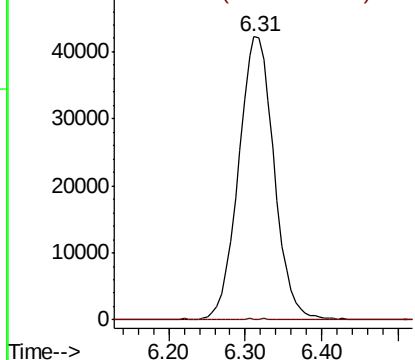
#23

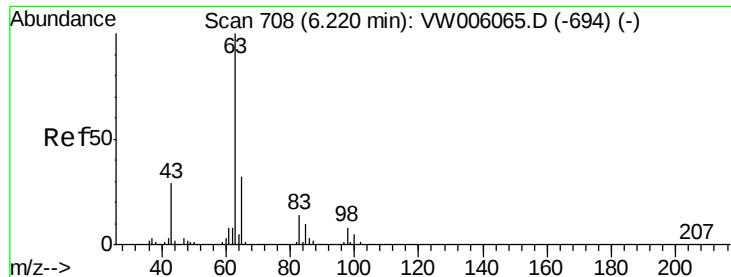
Vinyl Acetate
 Concen: 54.802 ug/l
 RT: 6.31 min Scan# 723
 Delta R.T. 0.05 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Tgt Ion:	43	Resp:	136321
Ion	Ratio	Lower	Upper
43	100		
86	0.3	9.0	13.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 60.540 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampled :

RLF-SD-5MS

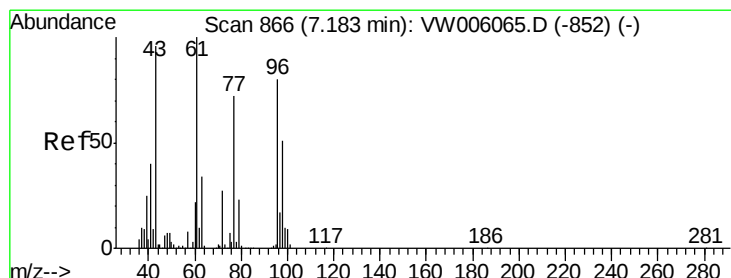
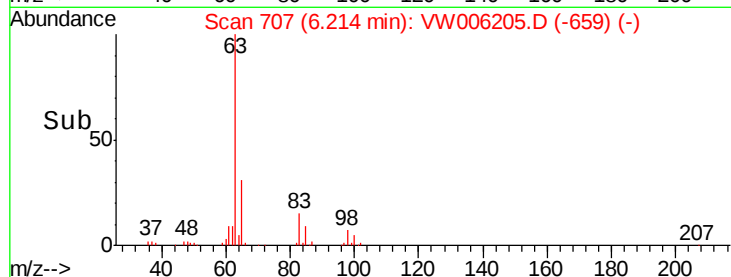
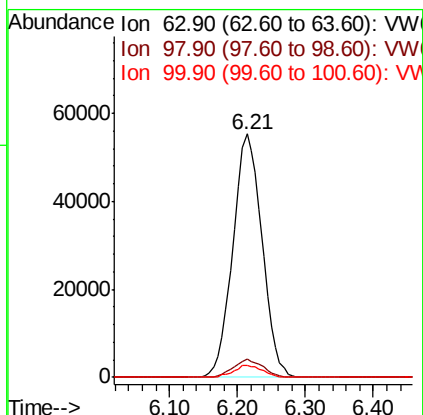
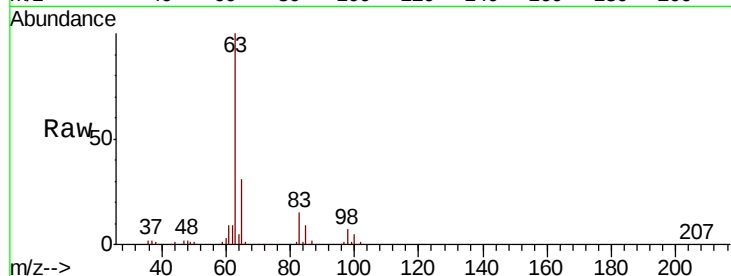
Tot Ion: 63 Resp: 164657

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 5.1 2.5 7.5



#25

2-Butanone

Concen: 268.840 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006205.D

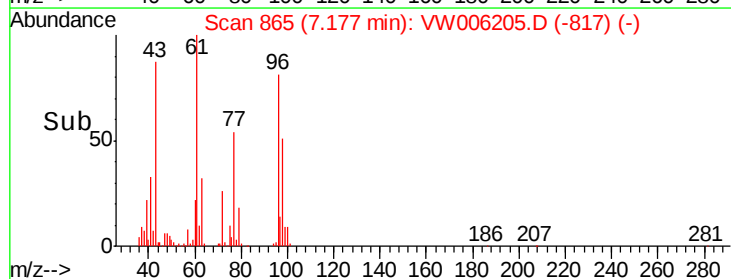
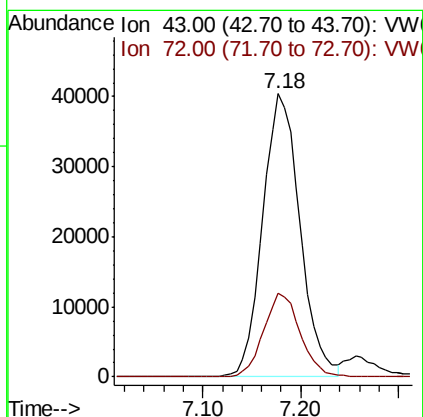
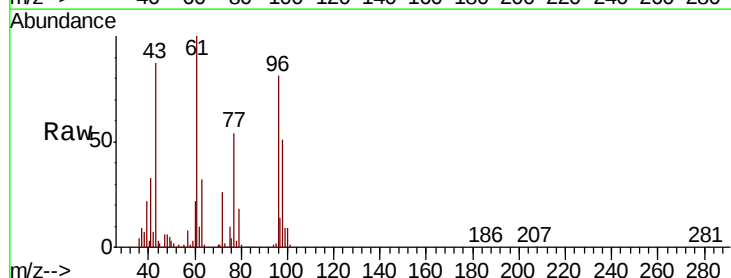
Acq: 19 Oct 2018 06:04

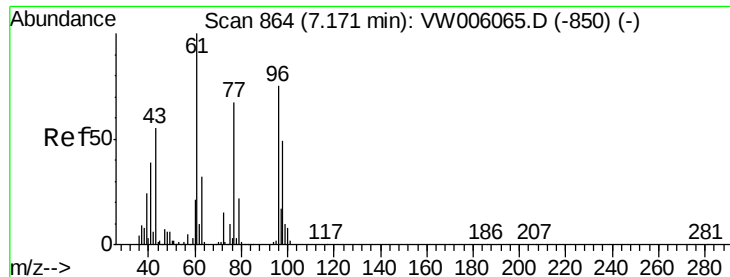
Tgt Ion: 43 Resp: 107500

Ion Ratio Lower Upper

43 100

72 29.5 22.8 34.2





#26

2,2-Dichloropropane

Concen: 42.673 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

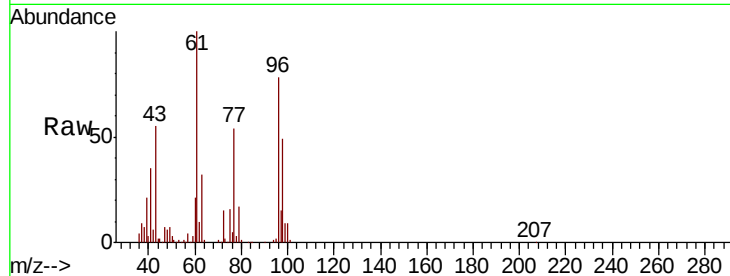
RLF-SD-5MS

Tot Ion: 77 Resp: 81857

Ion Ratio Lower Upper

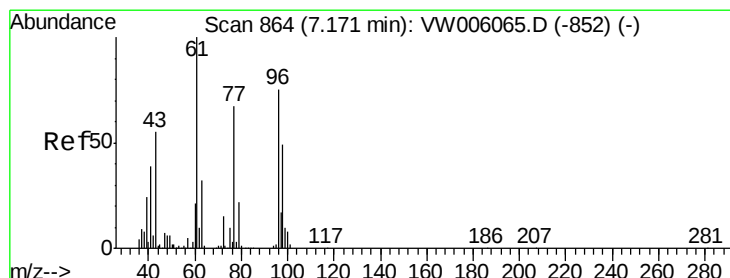
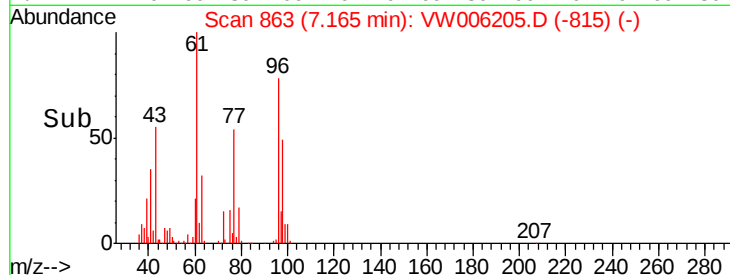
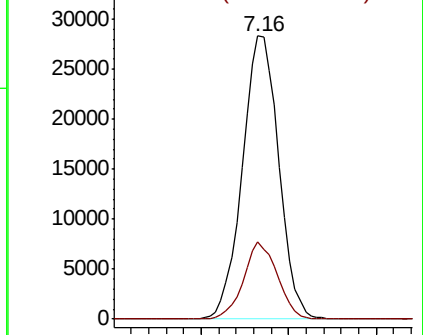
77 100

97 25.3 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#27

cis-1,2-Dichloroethene

Concen: 58.551 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

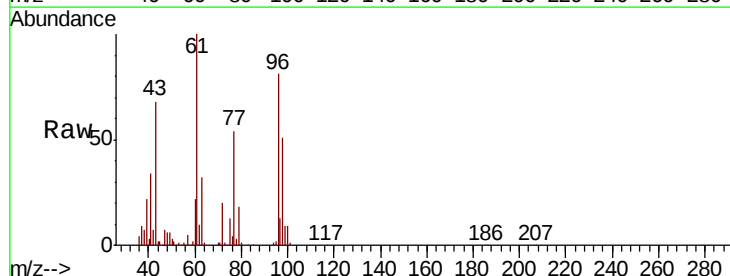
Tgt Ion: 96 Resp: 107586

Ion Ratio Lower Upper

96 100

61 129.1 0.0 267.2

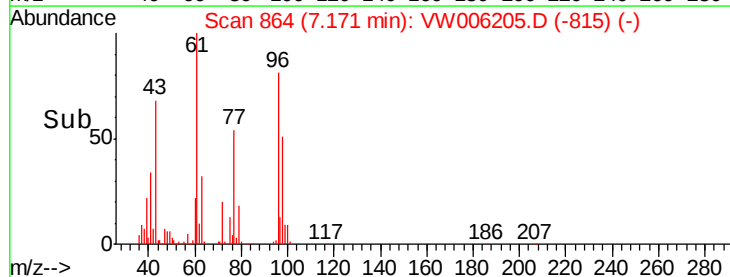
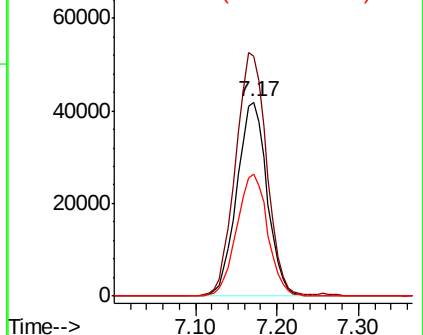
98 64.3 0.0 128.6

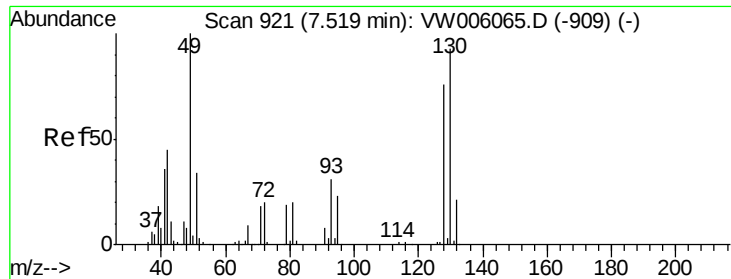


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

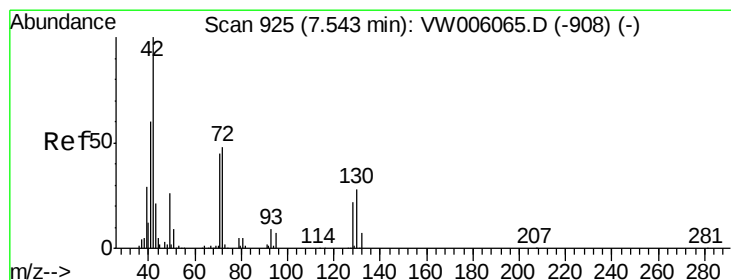
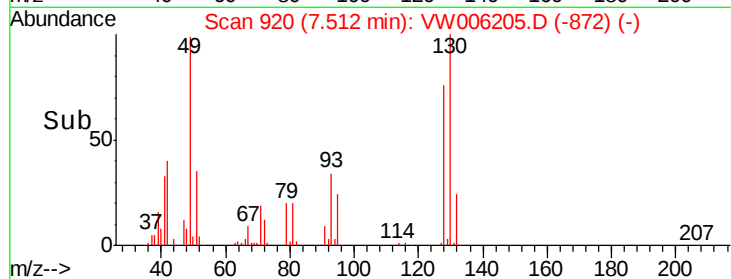
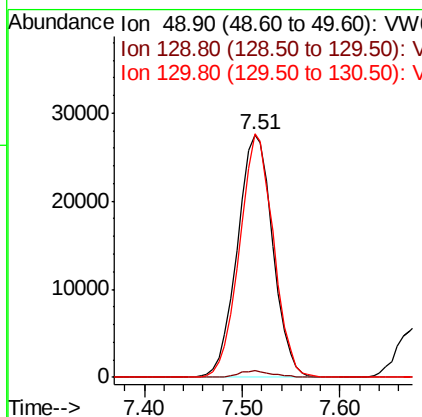
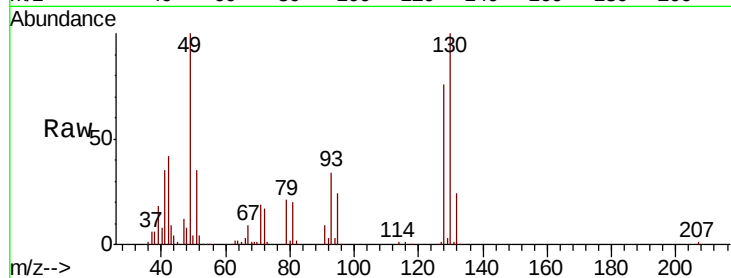




#28
Bromochloromethane
Concen: 65.818 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

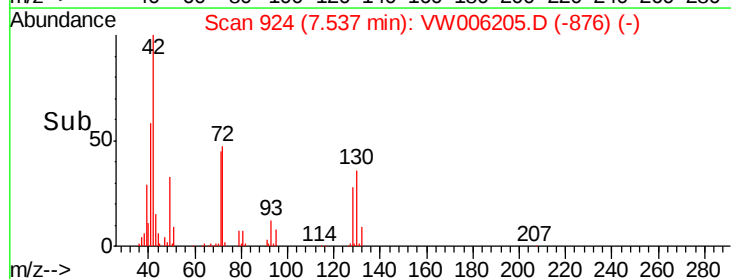
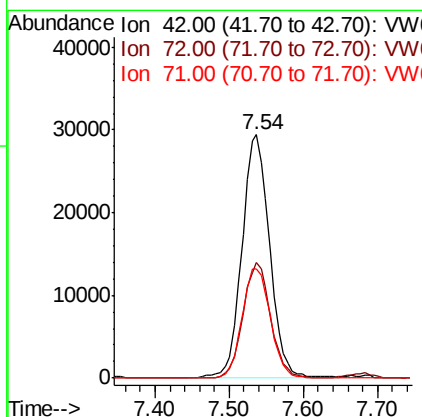
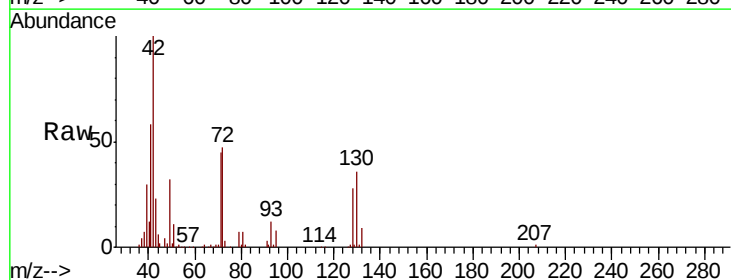
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

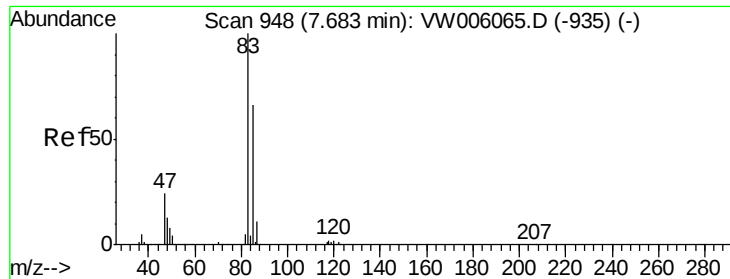
Tot Ion: 49 Resp: 69109
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.0
130 95.9 73.8 110.8



#29
Tetrahydrofuran
Concen: 312.671 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion: 42 Resp: 76851
Ion Ratio Lower Upper
42 100
72 47.2 38.0 57.0
71 46.0 35.3 52.9

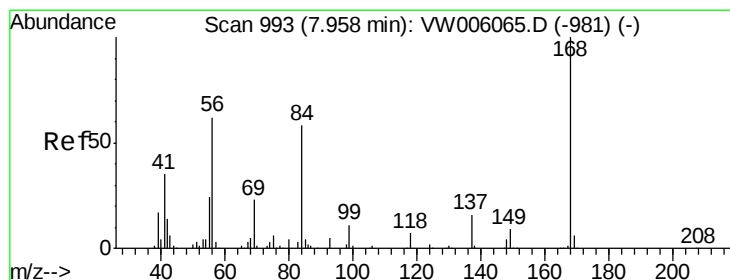
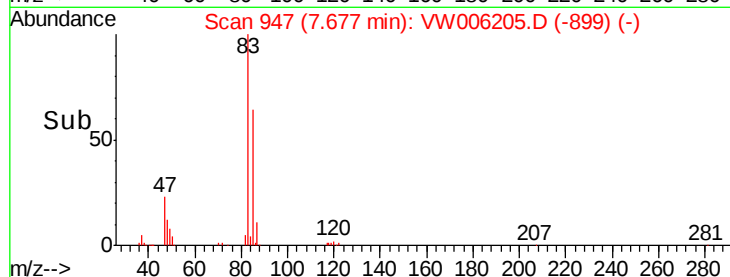
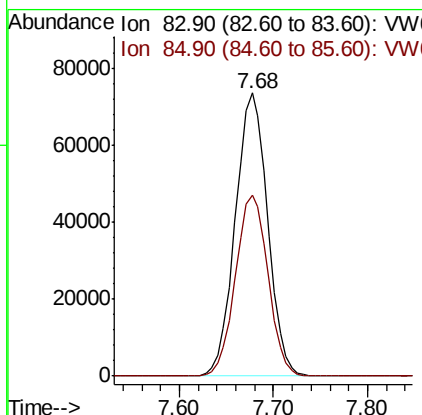
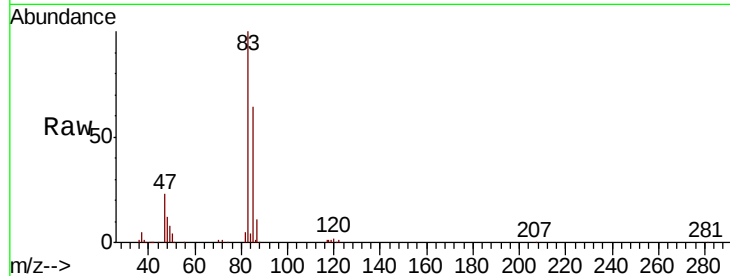




#30
Chloroform
Concen: 59.511 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

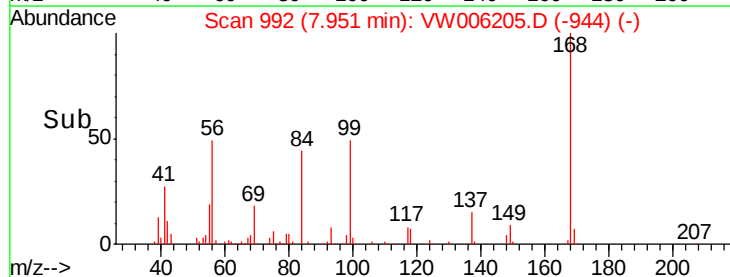
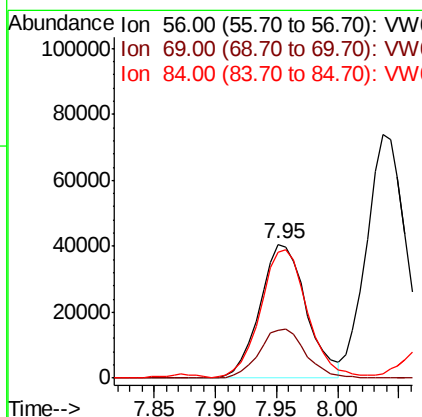
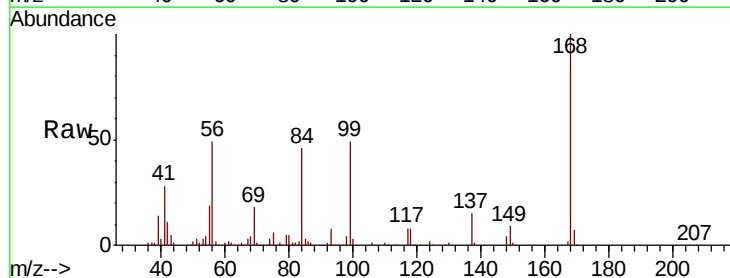
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

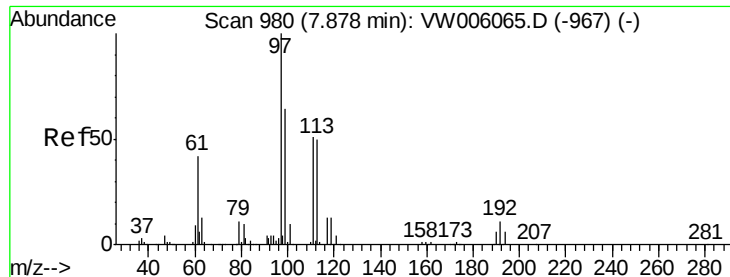
Tot Ion: 83 Resp: 176345
Ion Ratio Lower Upper
83 100
85 64.0 52.6 79.0



#31
Cyclohexane
Concen: 39.599 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion: 56 Resp: 107253
Ion Ratio Lower Upper
56 100
69 36.2 29.4 44.0
84 91.7 74.0 111.0





#32

1,1,1-Trichloroethane

Concen: 52.861 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

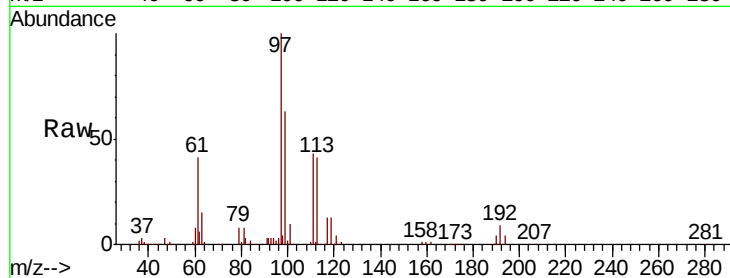
Tot Ion: 97 Resp: 141297

Ion Ratio Lower Upper

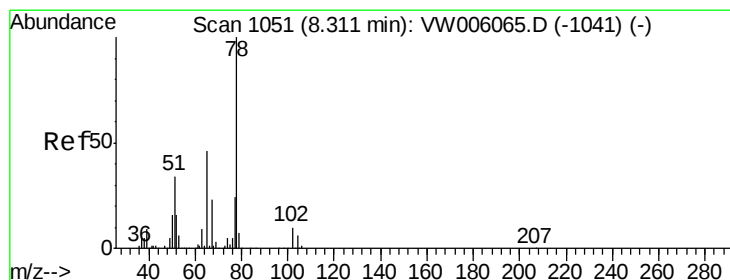
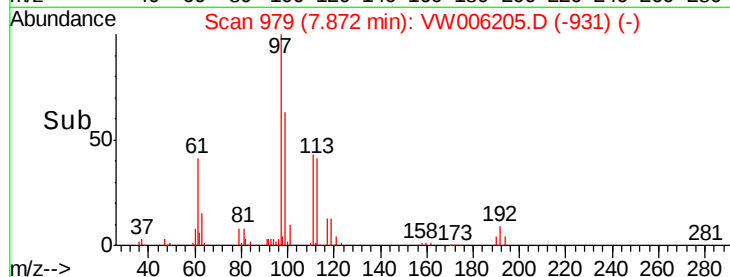
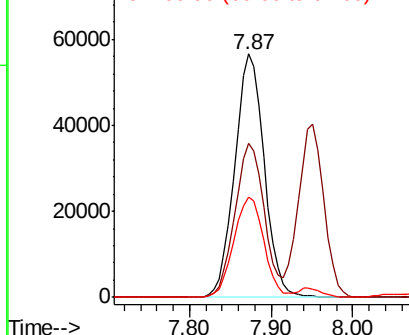
97 100

99 63.4 50.9 76.3

61 42.1 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: 57.083 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006205.D

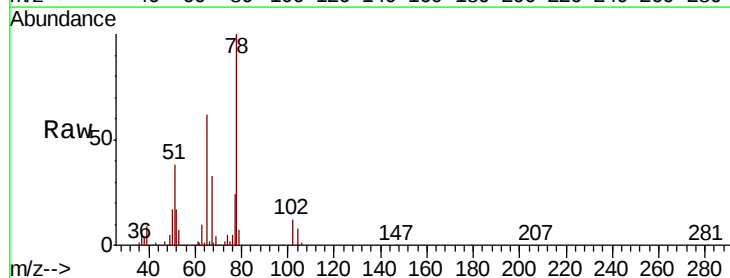
Acq: 19 Oct 2018 06:04

Tgt Ion: 65 Resp: 84493

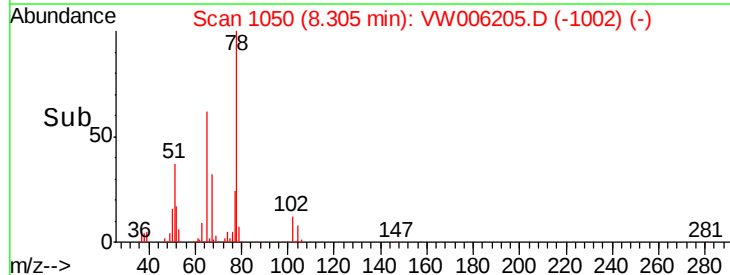
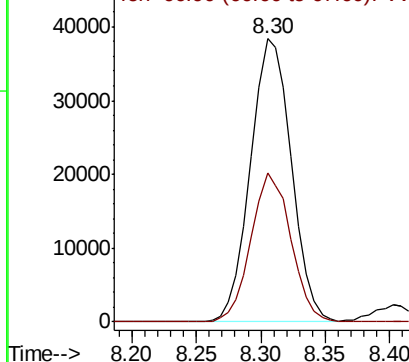
Ion Ratio Lower Upper

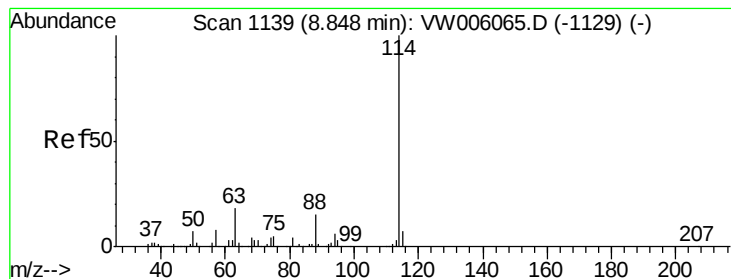
65 100

67 51.1 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

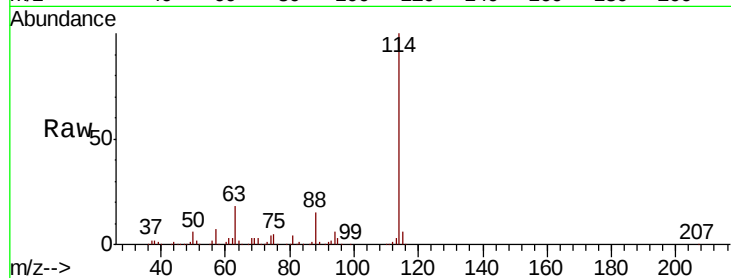
Tot Ion:114 Resp: 257798

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

88 14.8 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

150000

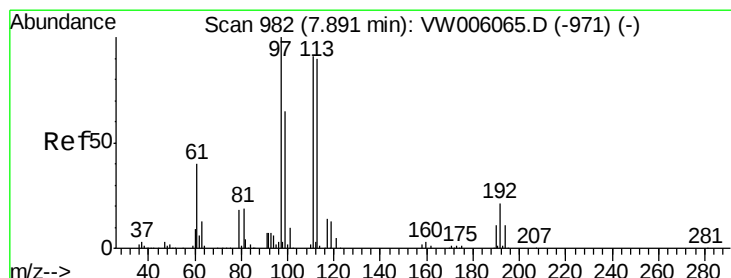
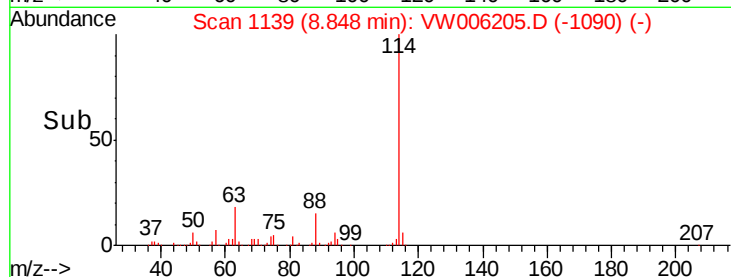
100000

50000

0

8.80 8.85 8.90

Time-->



#35

Dibromofluoromethane

Concen: 53.098 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

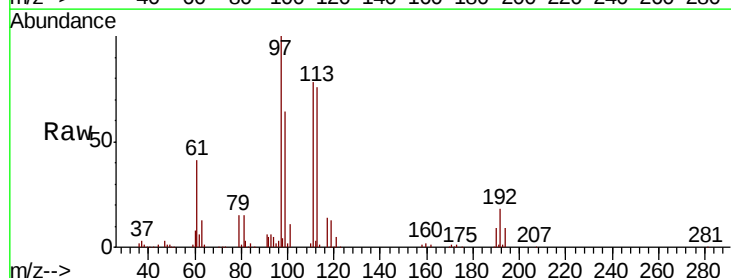
Tgt Ion:113 Resp: 80885

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 23.5 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

40000

30000

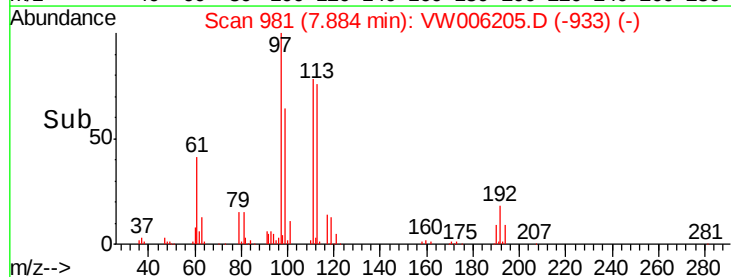
20000

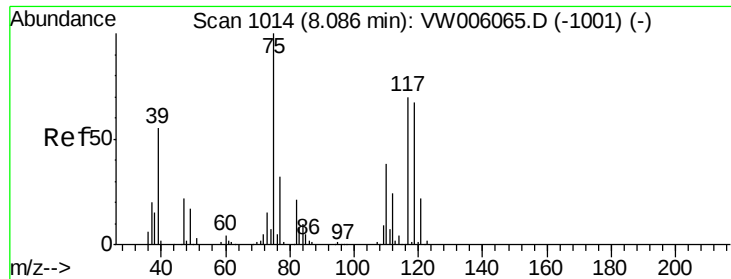
10000

0

7.80 7.88 7.90 8.00

Time-->

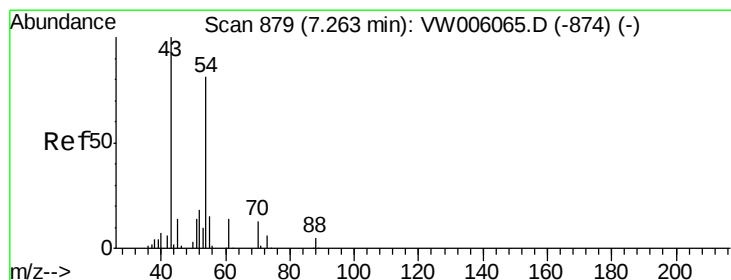
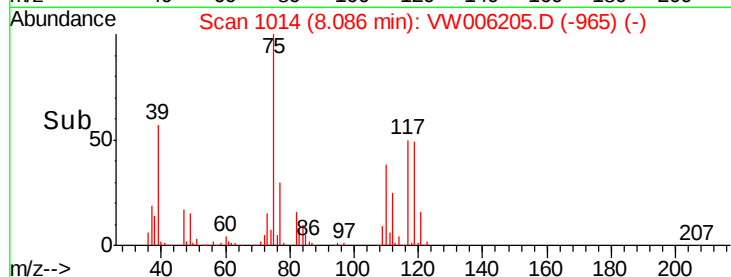
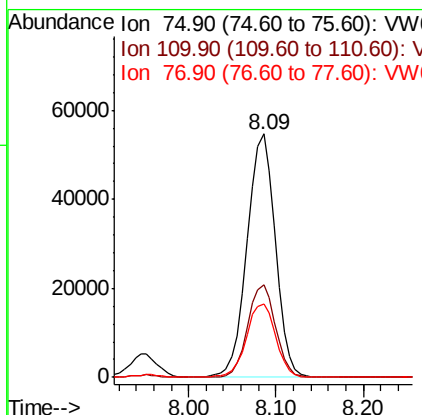
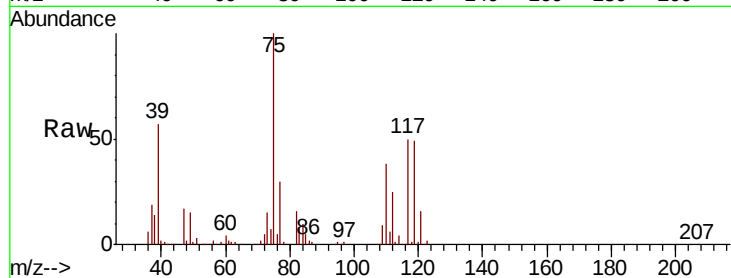




#36
 1,1-Dichloropropene
 Concen: 51.758 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

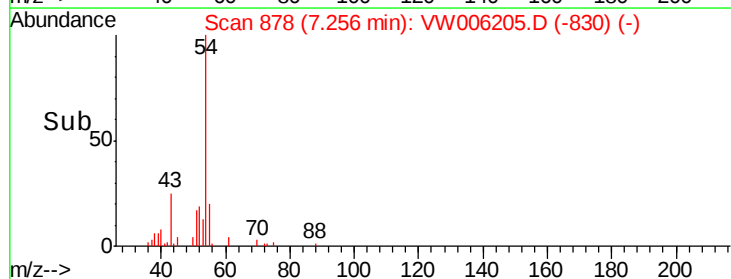
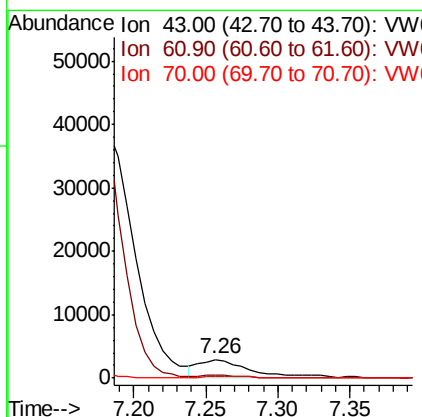
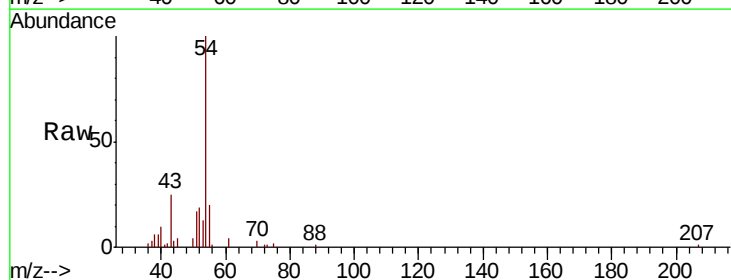
Instrument :
 MSVOA_W
 ClientSampled :
 RLF-SD-5MS

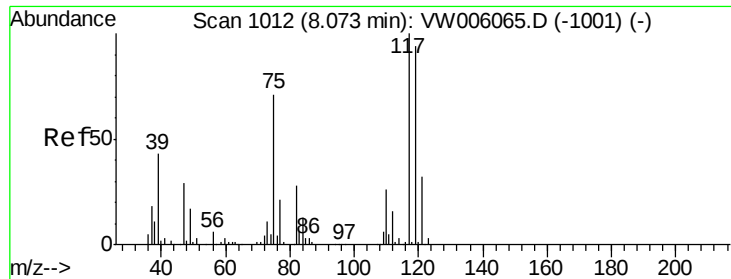
Tot Ion	Ratio	Lower	Upper
75	100		
110	37.5	19.1	57.1
77	31.1	25.0	37.4



#37
 Ethyl Acetate
 Concen: 7.639 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	11.7	9.2	13.8

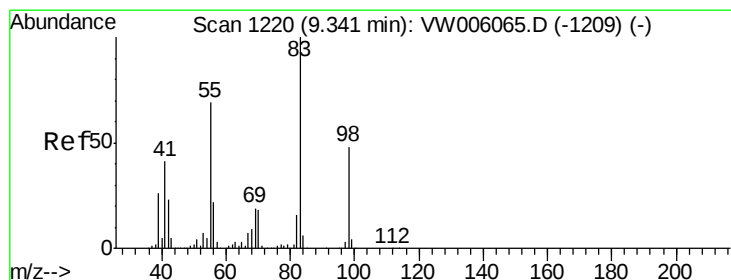
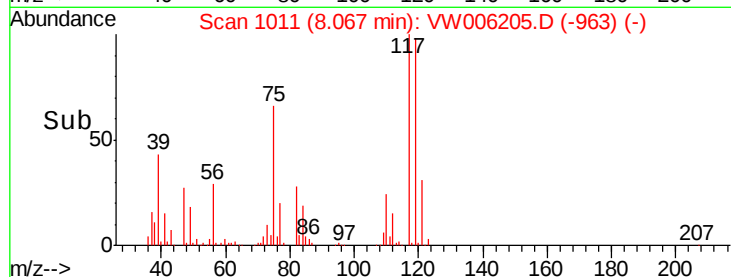
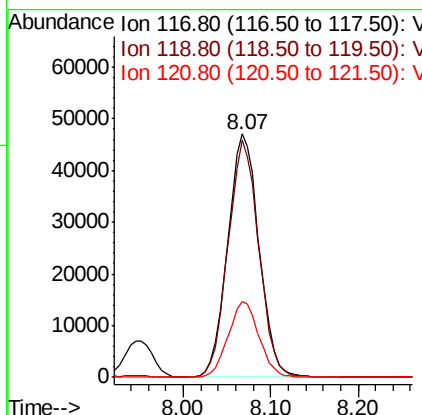
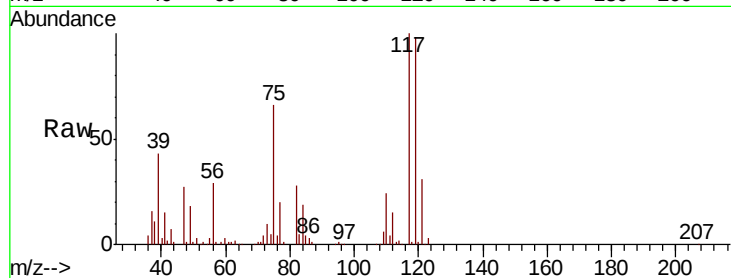




#38
Carbon Tetrachloride
Concen: 45.000 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

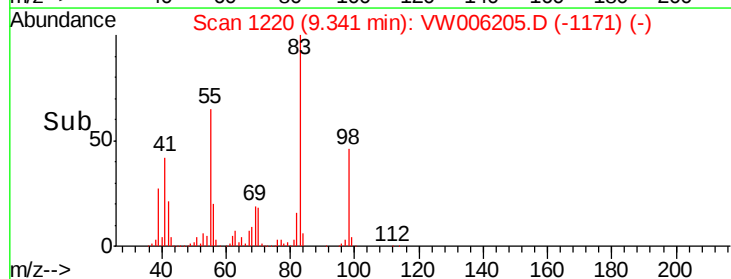
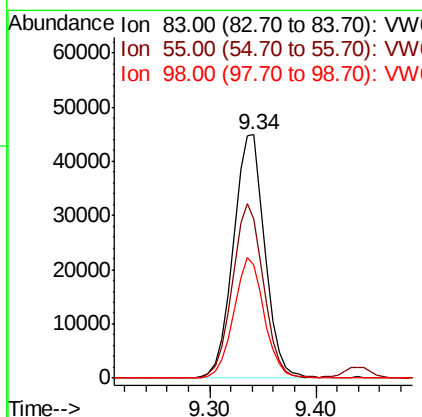
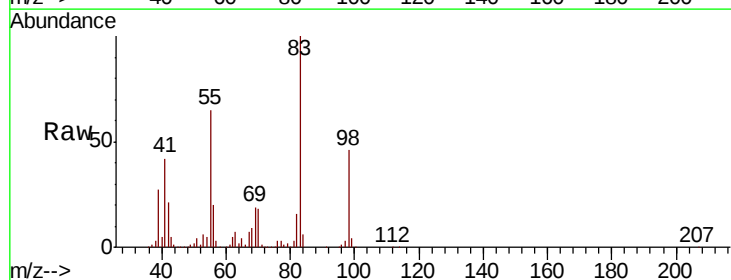
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

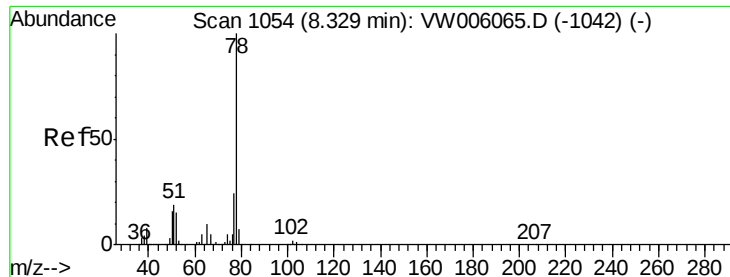
Tot Ion:117 Resp: 117220
Ion Ratio Lower Upper
117 100
119 97.6 75.2 112.8
121 31.4 25.3 37.9



#39
Methylcyclohexane
Concen: 29.582 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion: 83 Resp: 93436
Ion Ratio Lower Upper
83 100
55 65.3 55.0 82.6
98 46.2 38.6 57.8





#40

Benzene

Concen: 56.551 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

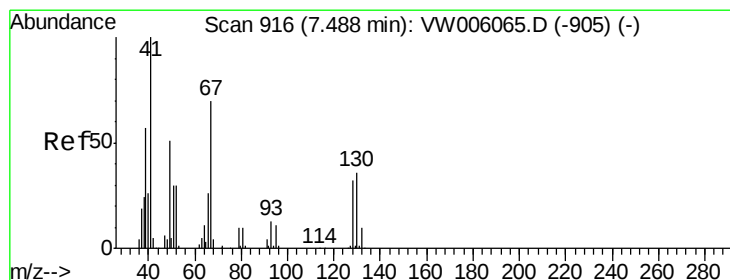
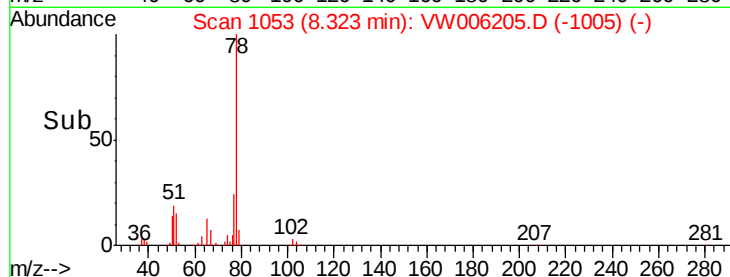
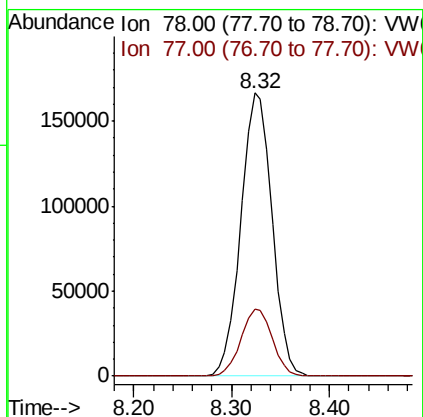
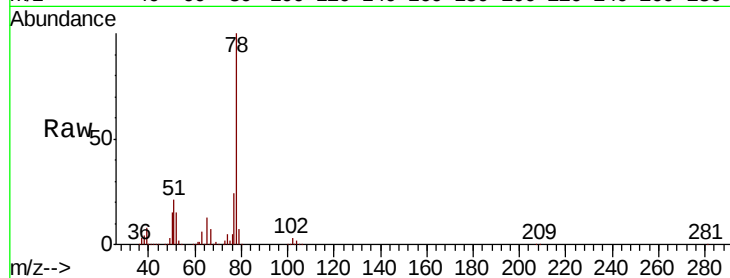
RLF-SD-5MS

Tot Ion: 78 Resp: 368599

Ion Ratio Lower Upper

78 100

77 23.7 19.4 29.0



#41

Methacrylonitrile

Concen: 45.850 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Tgt Ion: 41 Resp: 24402

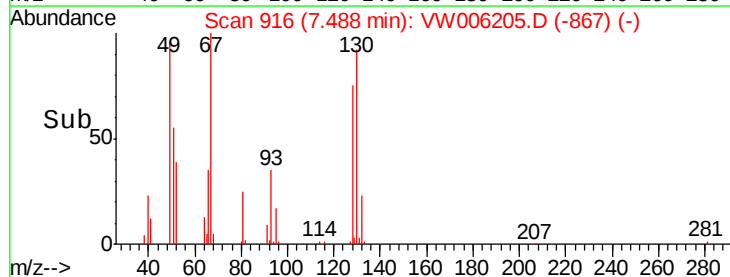
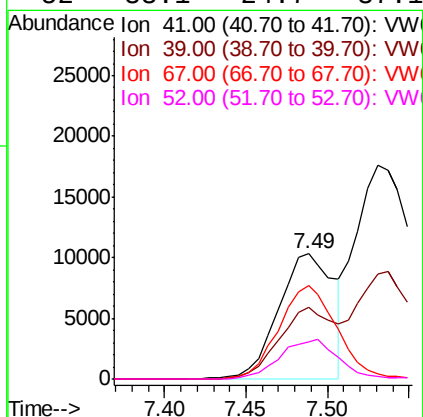
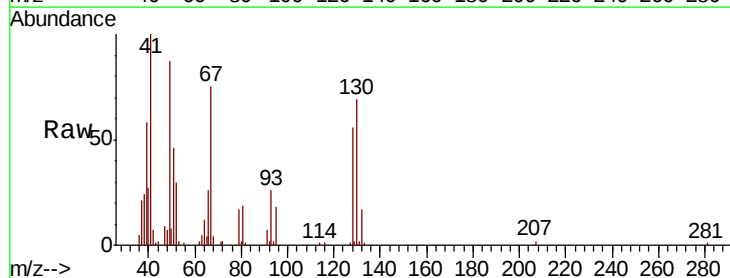
Ion Ratio Lower Upper

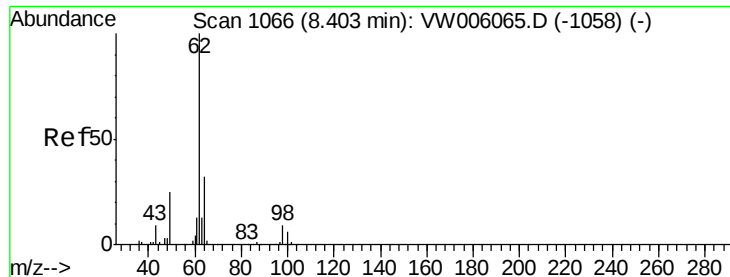
41 100

39 56.3 46.2 69.4

67 77.6 57.7 86.5

52 33.1 24.7 37.1





#42

1,2-Dichloroethane

Concen: 61.853 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

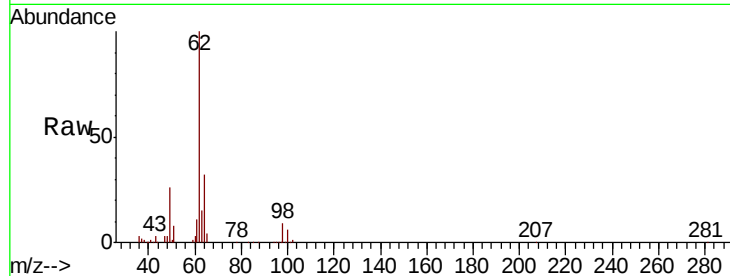
RLF-SD-5MS

Tot Ion: 62 Resp: 118448

Ion Ratio Lower Upper

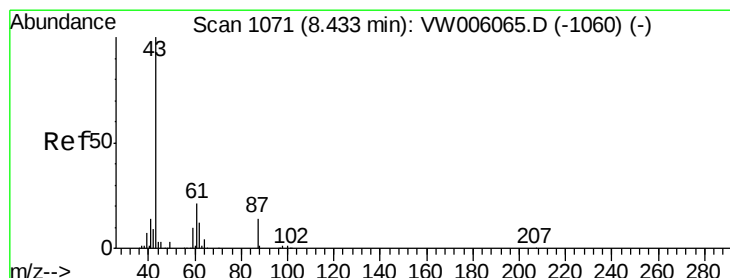
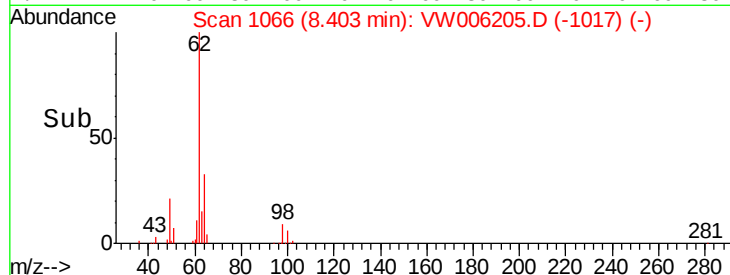
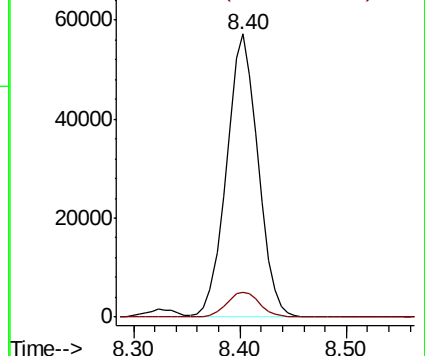
62 100

98 9.2 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 13.042 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

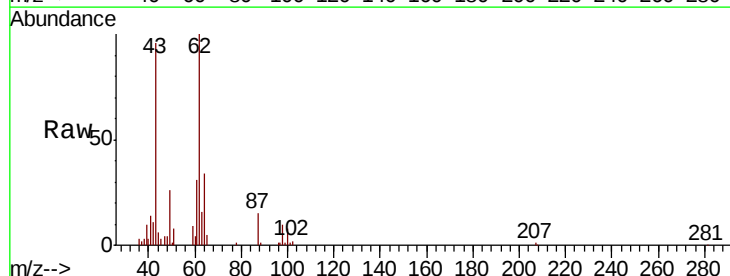
Tgt Ion: 43 Resp: 23542

Ion Ratio Lower Upper

43 100

61 0.0 25.5 38.3#

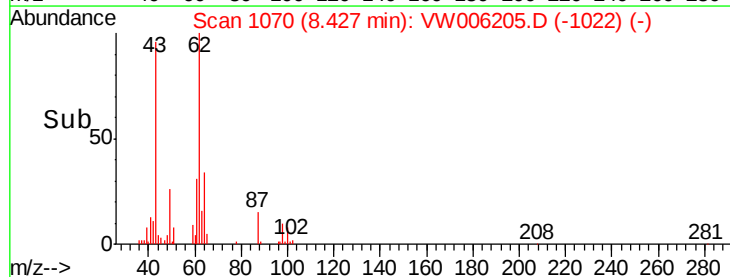
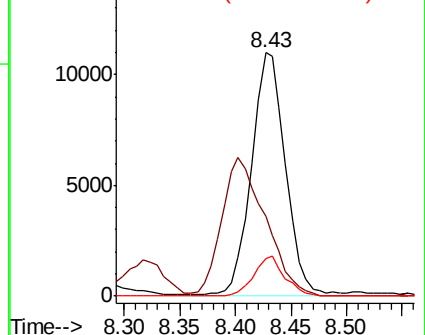
87 14.8 11.7 17.5

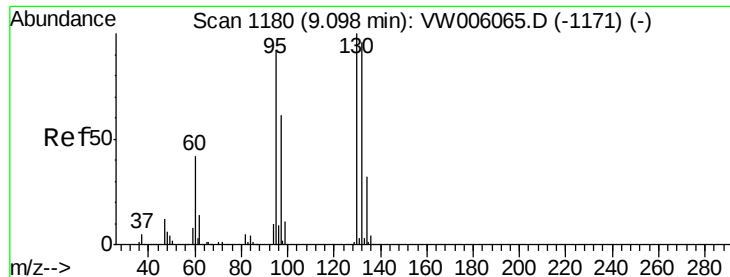


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#44

Trichloroethene

Concen: 51.983 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

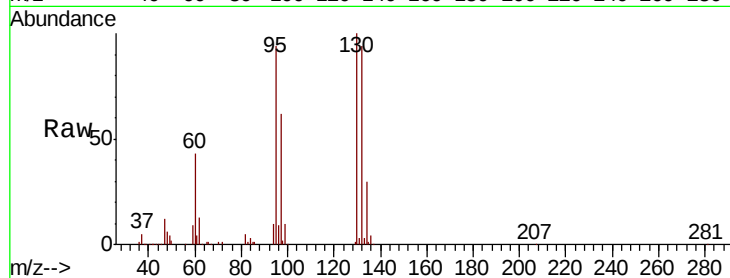
RLF-SD-5MS

Tot Ion:130 Resp: 103951

Ion Ratio Lower Upper

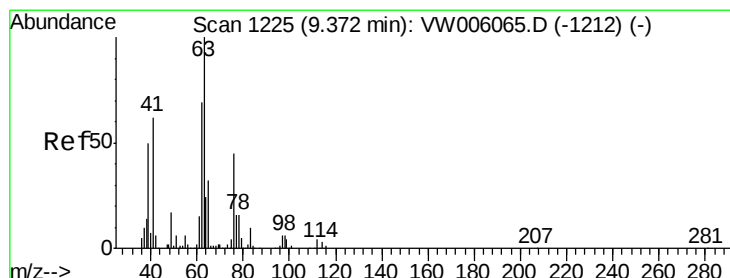
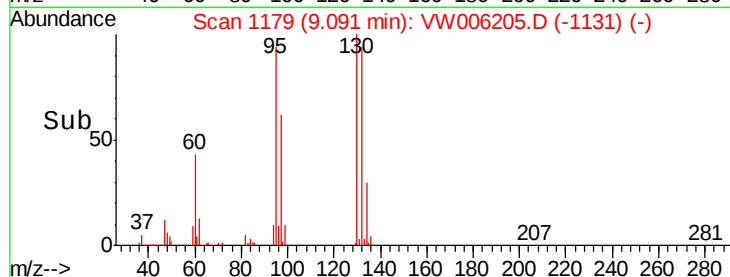
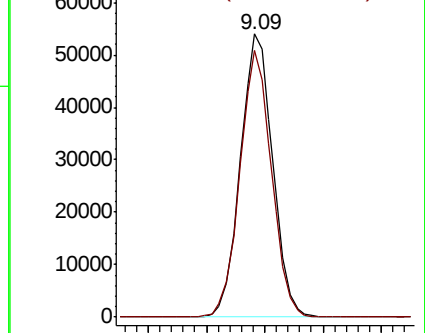
130 100

95 94.1 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 56.993 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006205.D

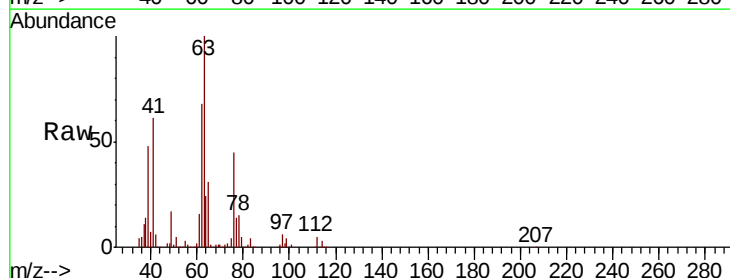
Acq: 19 Oct 2018 06:04

Tgt Ion: 63 Resp: 88893

Ion Ratio Lower Upper

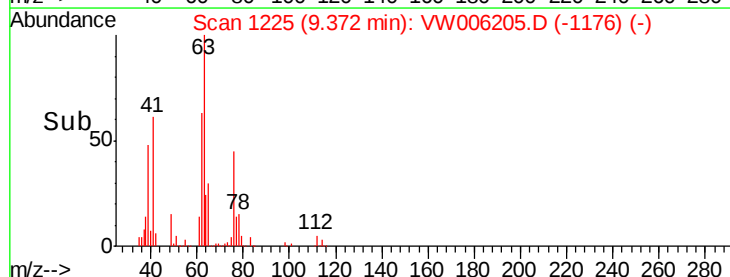
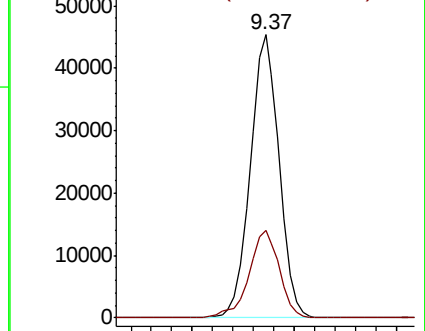
63 100

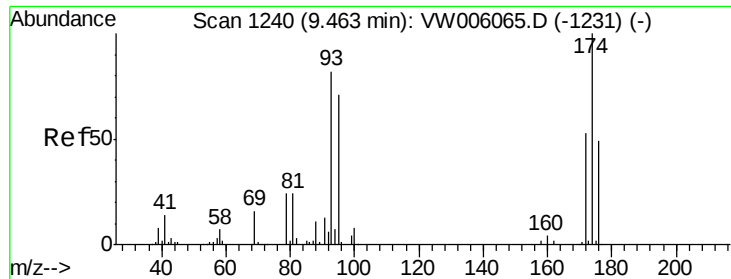
65 31.0 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 61.018 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

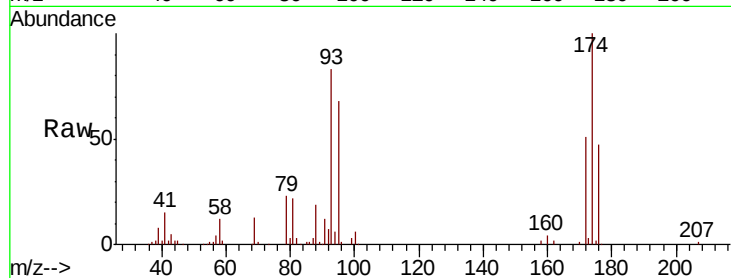
Tot Ion: 93 Resp: 54243

Ion Ratio Lower Upper

93 100

95 83.3 67.7 101.5

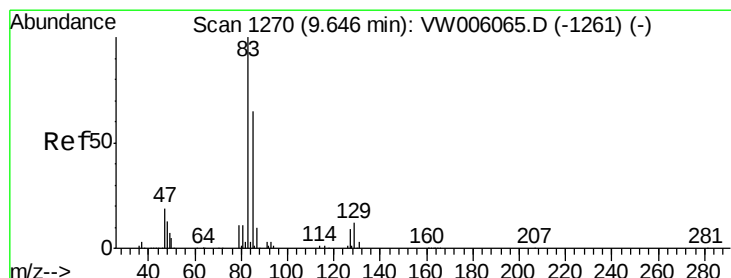
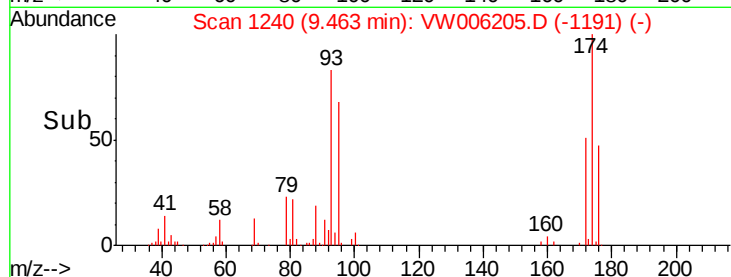
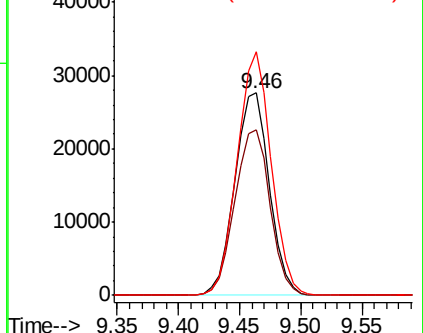
174 118.1 93.7 140.5



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 47.977 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

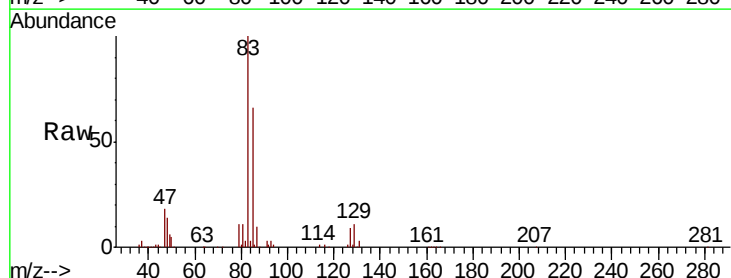
Tgt Ion: 83 Resp: 103403

Ion Ratio Lower Upper

83 100

85 66.1 51.8 77.8

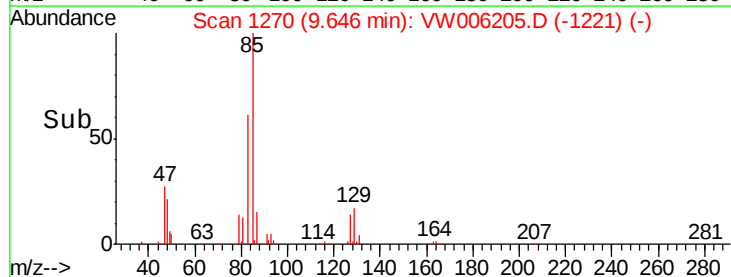
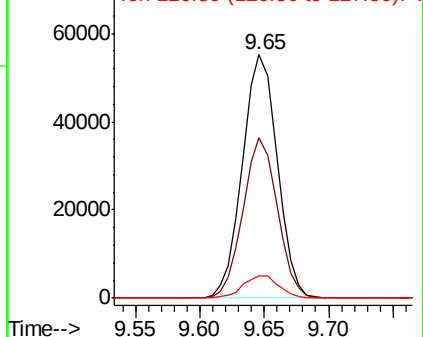
127 9.0 6.9 10.3

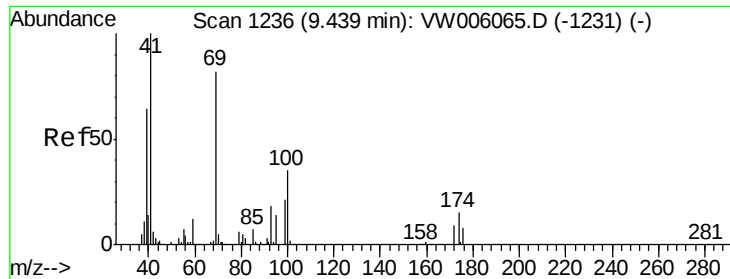


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

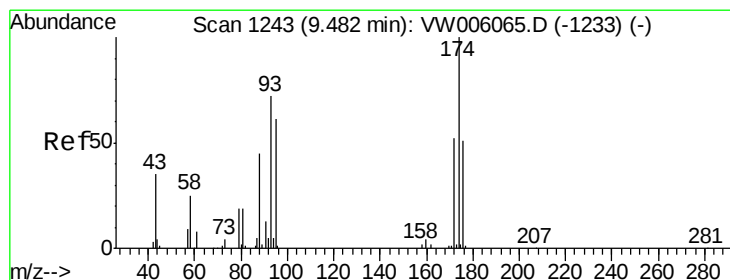
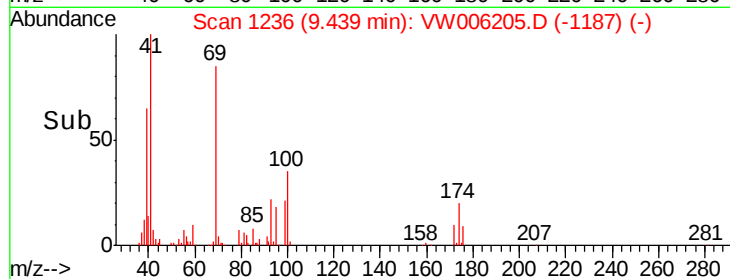
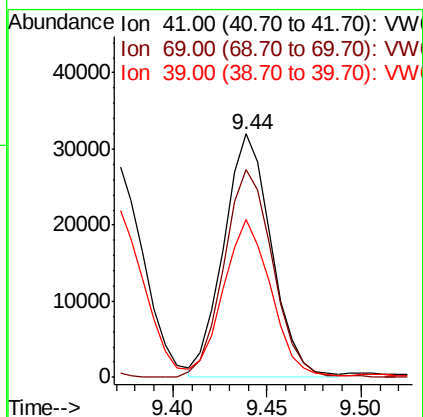
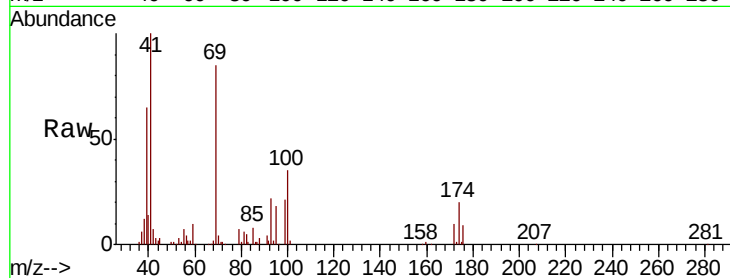




#48
Methvl methacrylate
Concen: 65.684 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

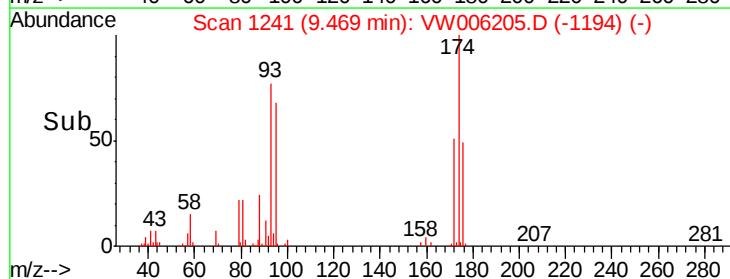
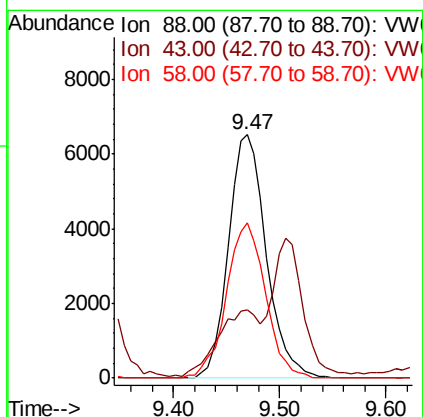
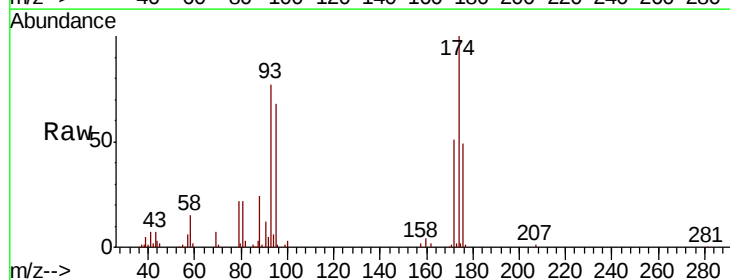
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

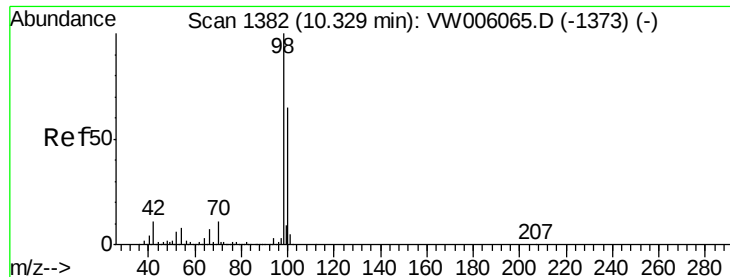
Tot Ion: 41 Resp: 56202
Ion Ratio Lower Upper
41 100
69 87.6 71.8 107.8
39 63.0 52.5 78.7



#49
1,4-Dioxane
Concen: 1184.261 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion: 88 Resp: 16207
Ion Ratio Lower Upper
88 100
43 30.1 0.0 0.0#
58 66.0 51.2 76.8





#50

Toluene-d8

Concen: 47.943 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

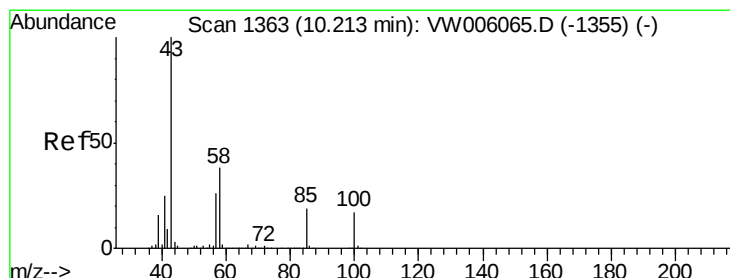
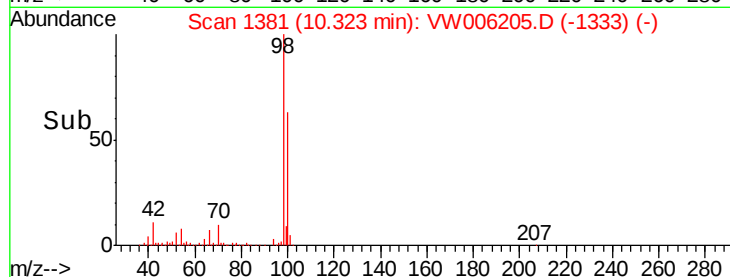
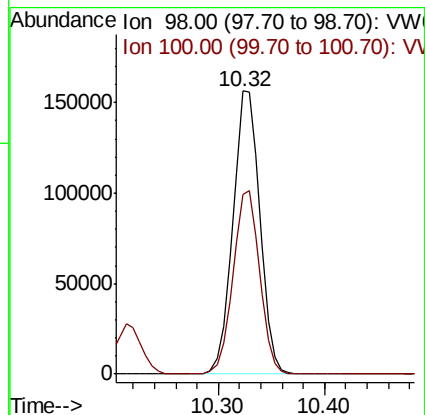
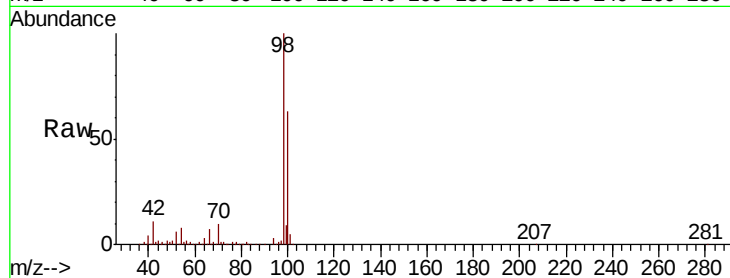
RLF-SD-5MS

Tot Ion: 98 Resp: 277855

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 292.815 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006205.D

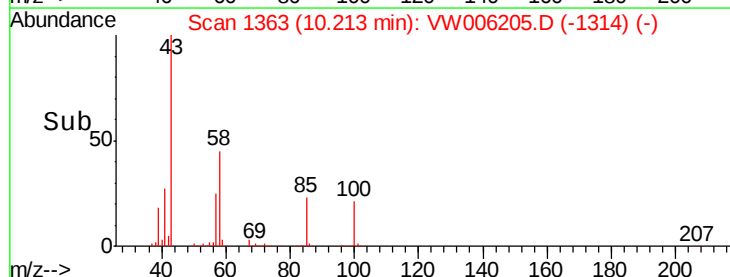
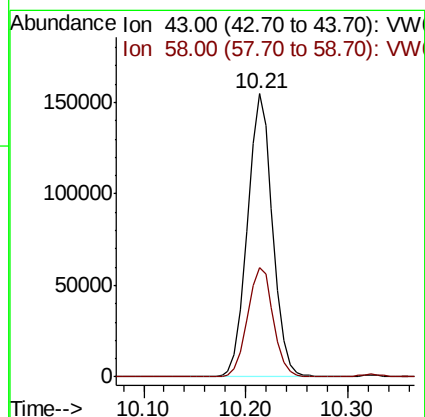
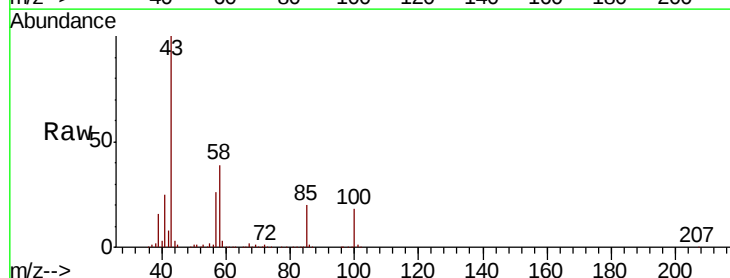
Acq: 19 Oct 2018 06:04

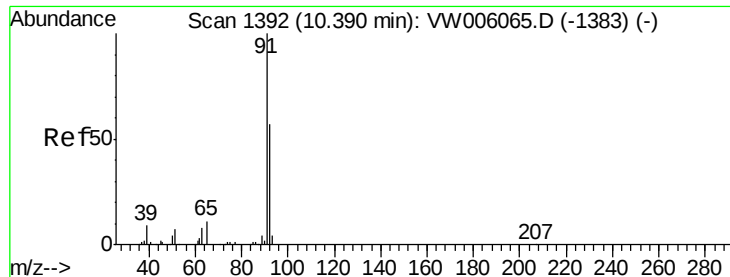
Tgt Ion: 43 Resp: 264828

Ion Ratio Lower Upper

43 100

58 39.4 31.5 47.3





#52

Toluene

Concen: 50.374 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

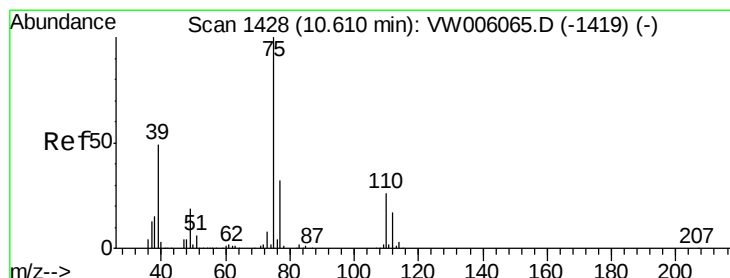
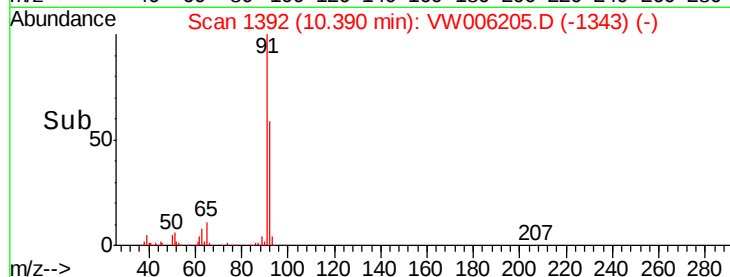
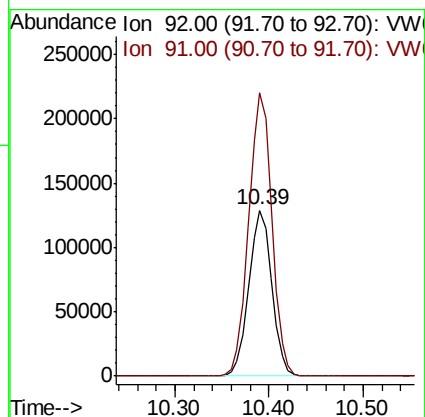
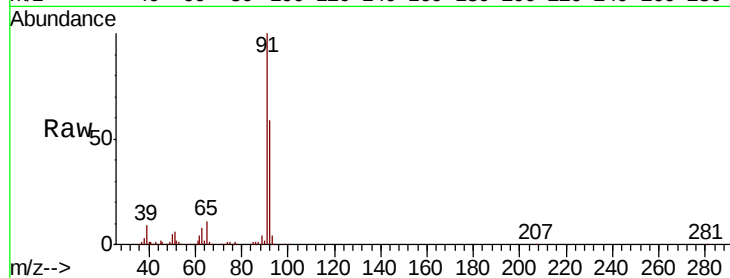
RLF-SD-5MS

Tot Ion: 92 Resp: 220126

Ion Ratio Lower Upper

92 100

91 173.0 140.0 210.0



#53

t-1,3-Dichloropropene

Concen: 41.243 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006205.D

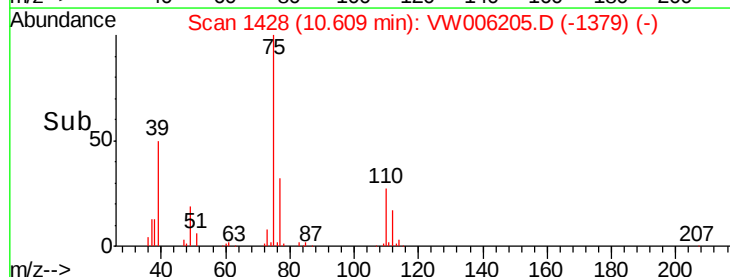
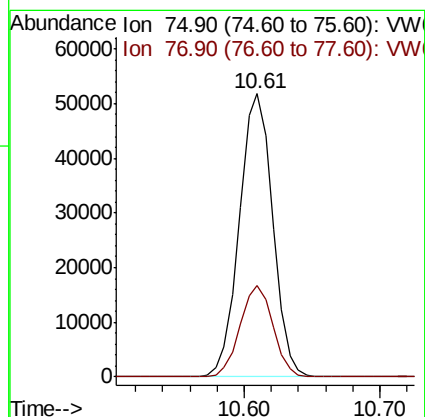
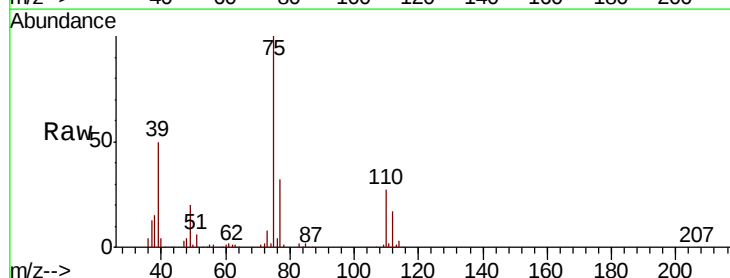
Acq: 19 Oct 2018 06:04

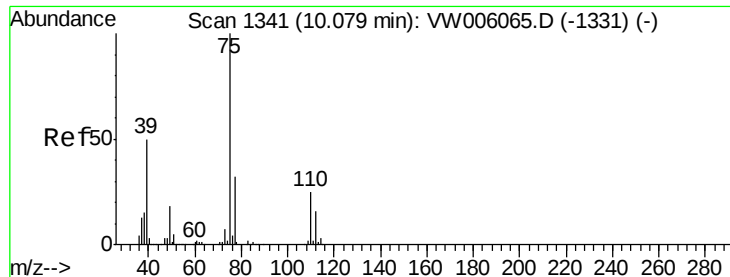
Tgt Ion: 75 Resp: 88563

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2





#54

cis-1,3-Dichloropropene

Concen: 40.606 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

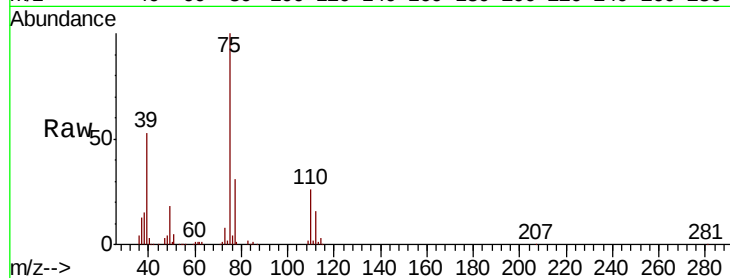
Tot Ion: 75 Resp: 100072

Ion Ratio Lower Upper

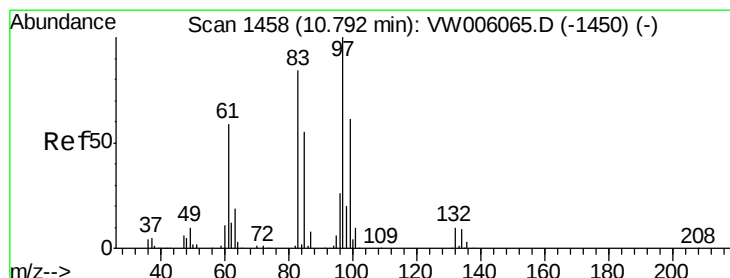
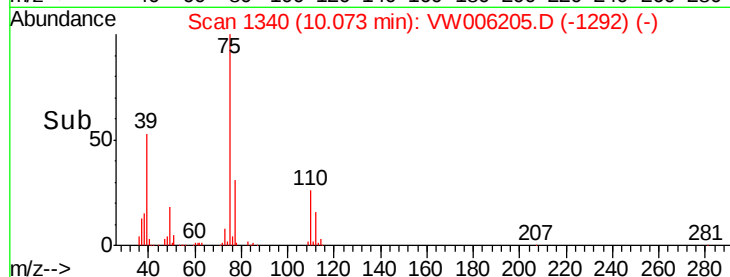
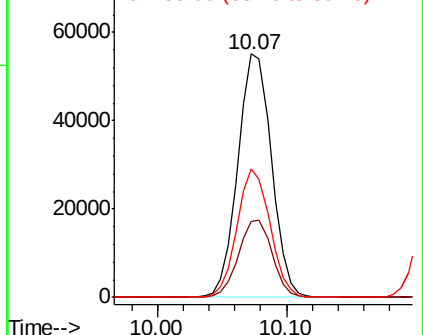
75 100

77 31.0 25.2 37.8

39 52.5 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 76.90 (76.60 to 77.60): VW
Ion 39.00 (38.70 to 39.70): VW



#55

1,1,2-Trichloroethane

Concen: 57.803 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Tgt Ion: 97 Resp: 71908

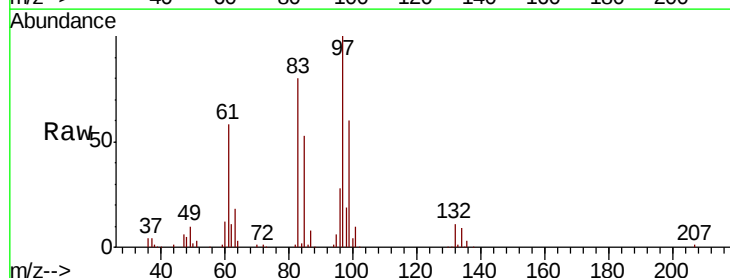
Ion Ratio Lower Upper

97 100

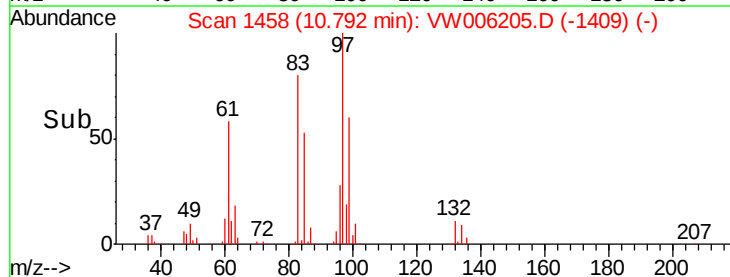
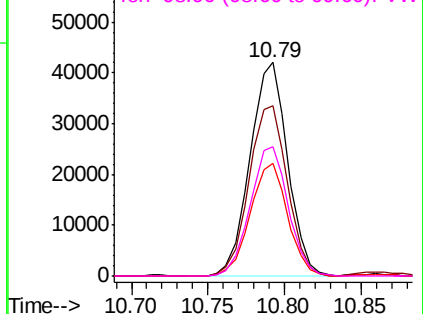
83 80.0 67.2 100.8

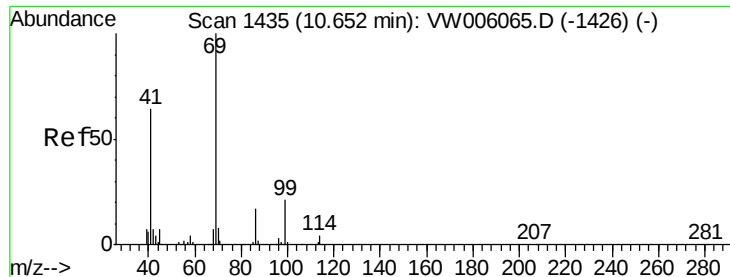
85 52.6 43.7 65.5

99 60.2 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: 7.604 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

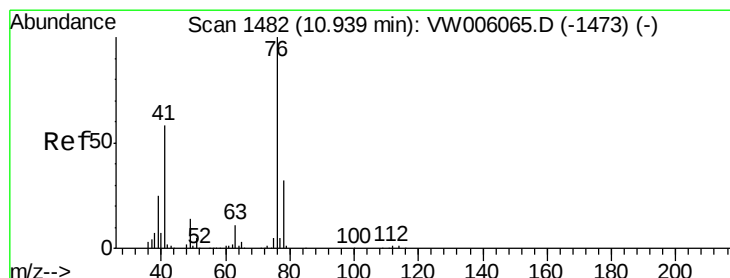
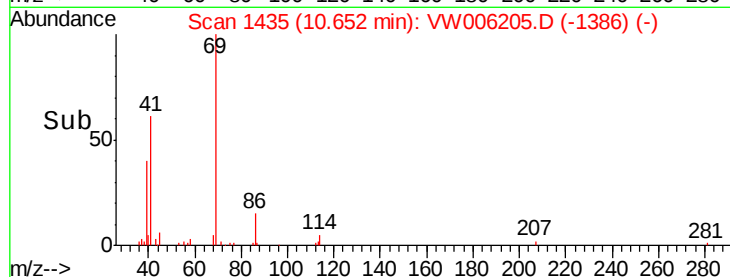
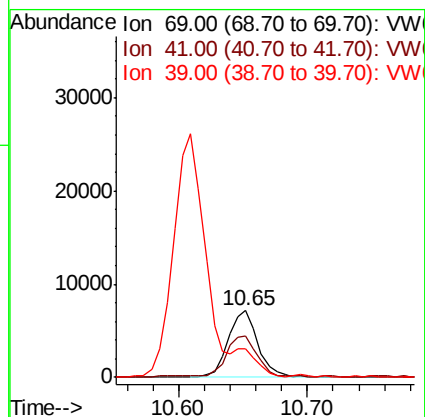
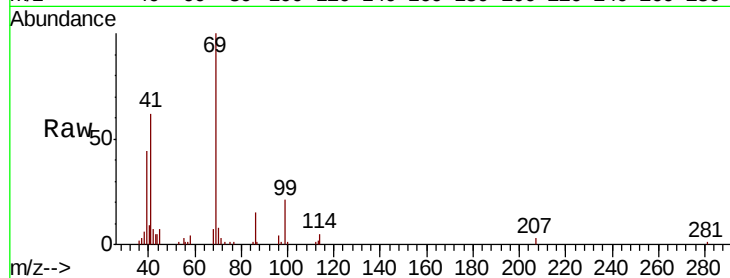
Tot Ion: 69 Resp: 11596

Ion Ratio Lower Upper

69 100

41 61.8 52.8 79.2

39 0.0 30.6 45.8#



#57

1,3-Dichloropropane

Concen: 57.232 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VW006205.D

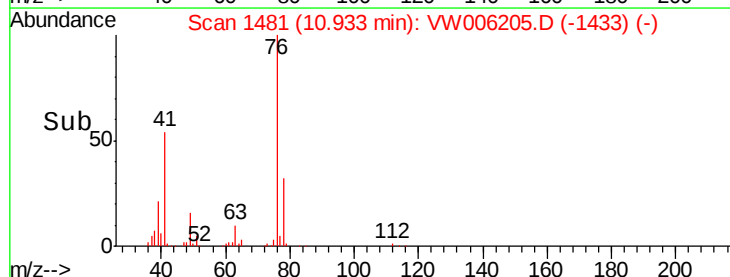
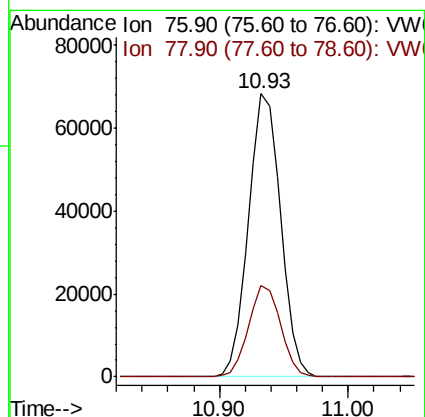
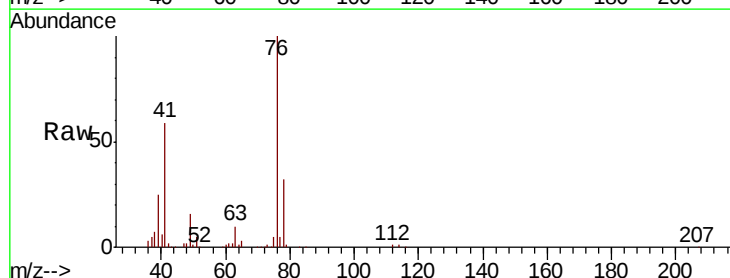
Acq: 19 Oct 2018 06:04

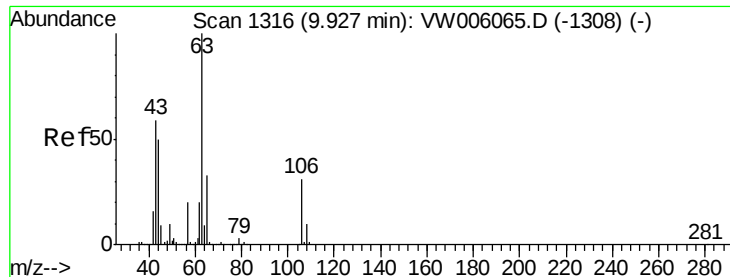
Tgt Ion: 76 Resp: 117859

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9





#58

2-Chloroethyl Vinyl ether

Concen: 192.087 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

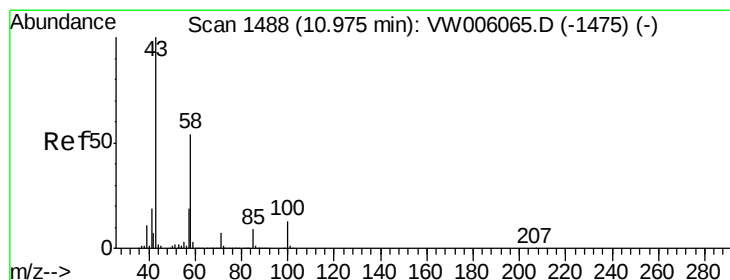
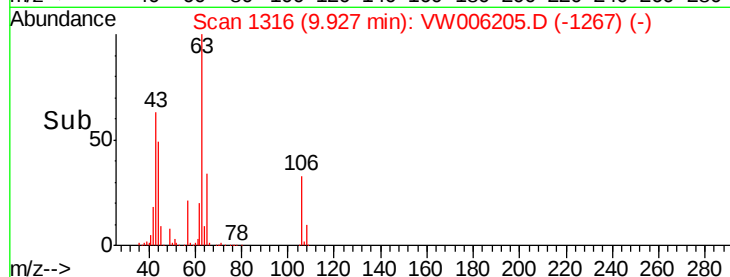
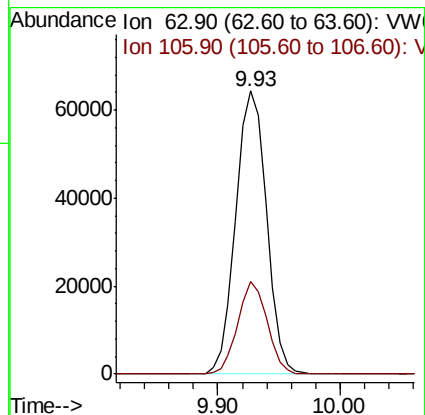
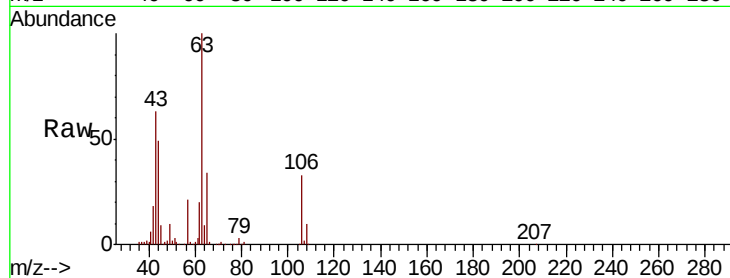
RLF-SD-5MS

Tot Ion: 63 Resp: 111937

Ion Ratio Lower Upper

63 100

106 31.4 24.5 36.7



#59

2-Hexanone

Concen: 240.293 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VW006205.D

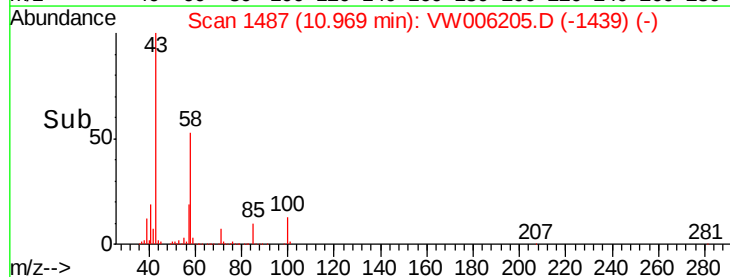
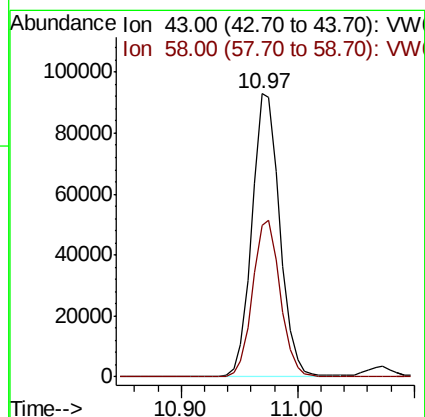
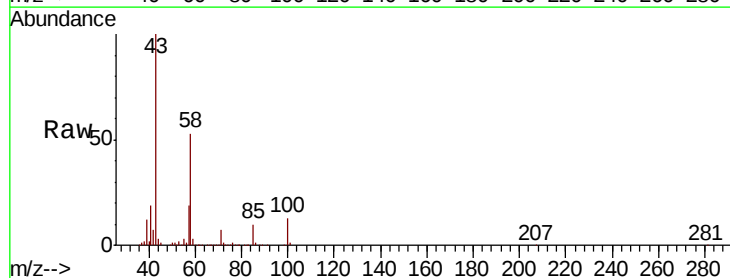
Acq: 19 Oct 2018 06:04

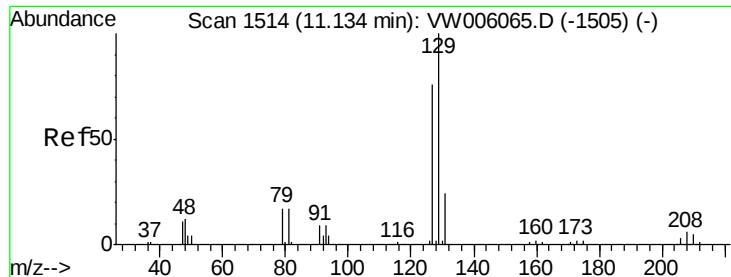
Tgt Ion: 43 Resp: 155135

Ion Ratio Lower Upper

43 100

58 54.9 26.9 80.6





#60

Dibromochloromethane

Concen: 44.195 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

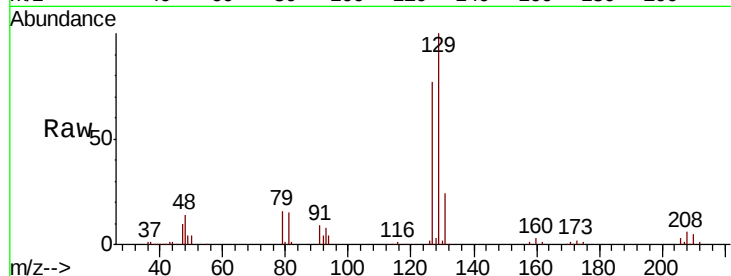
RLF-SD-5MS

Tot Ion:129 Resp: 68481

Ion Ratio Lower Upper

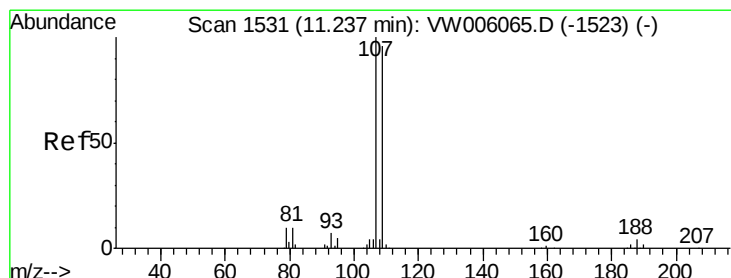
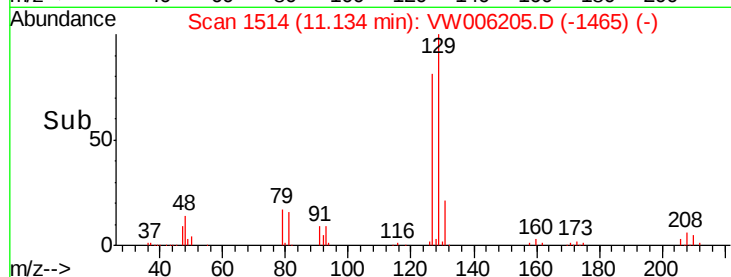
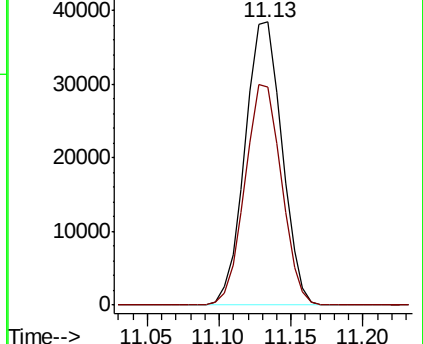
129 100

127 76.9 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.594 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006205.D

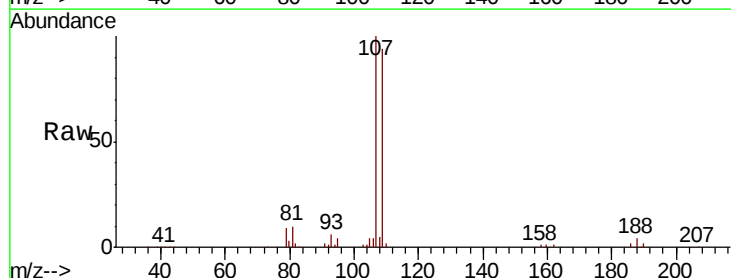
Acq: 19 Oct 2018 06:04

Tgt Ion:107 Resp: 65374

Ion Ratio Lower Upper

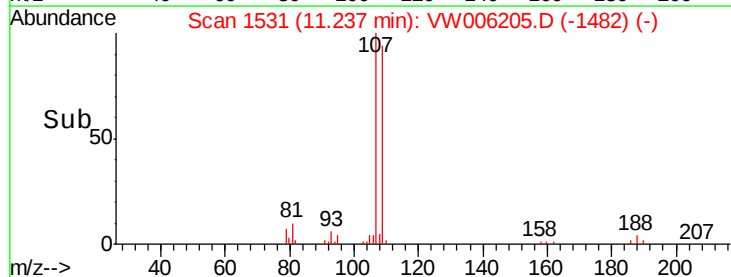
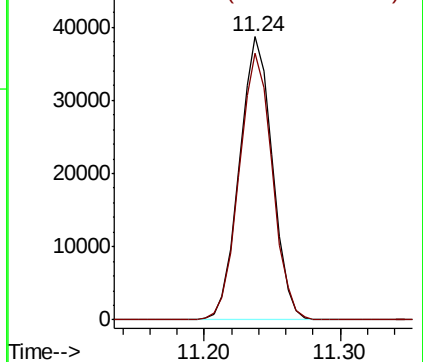
107 100

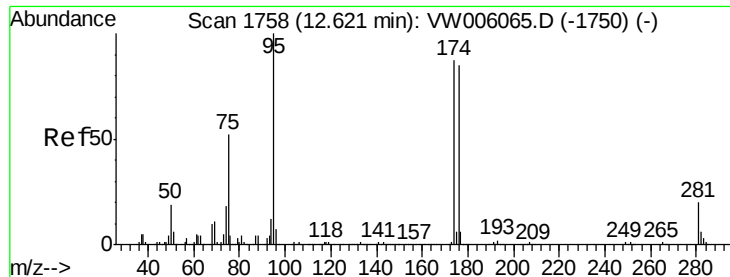
109 95.0 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

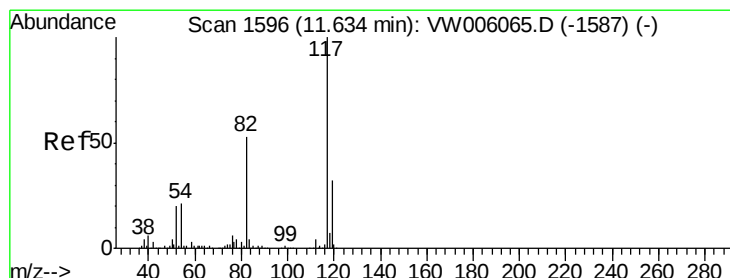
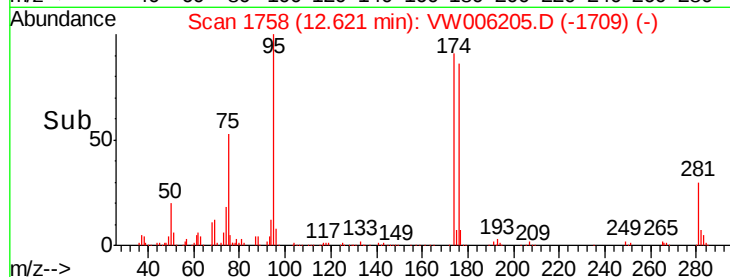
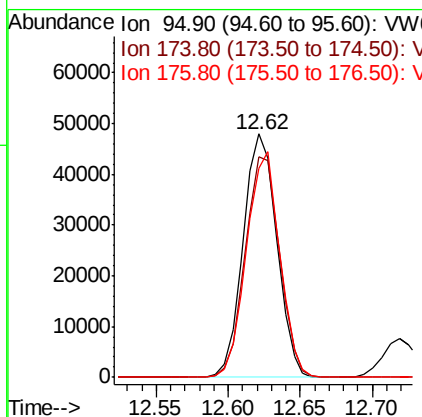
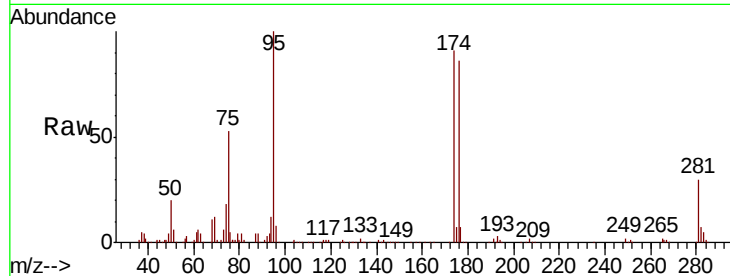




#62
4-Bromofluorobenzene
Concen: 35.641 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

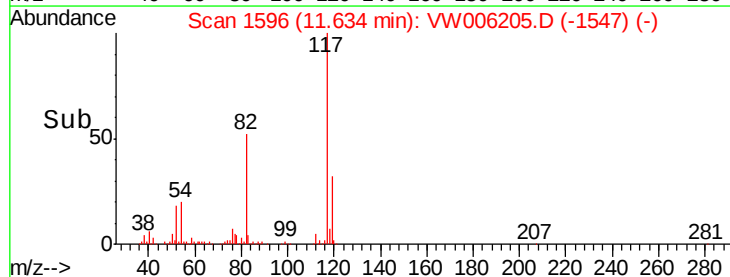
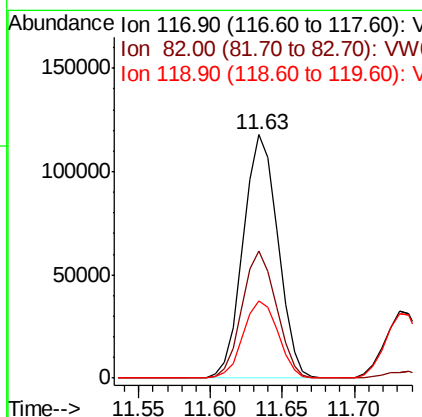
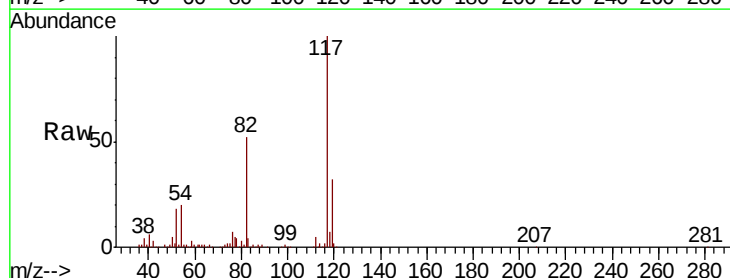
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

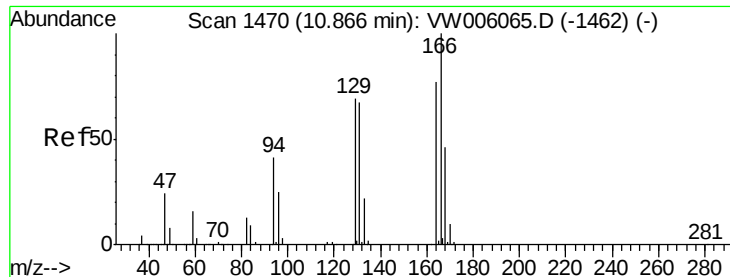
Tot Ion: 95 Resp: 77579
Ion Ratio Lower Upper
95 100
174 92.7 0.0 186.0
176 91.2 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion: 117 Resp: 196459
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
119 31.8 25.8 38.6

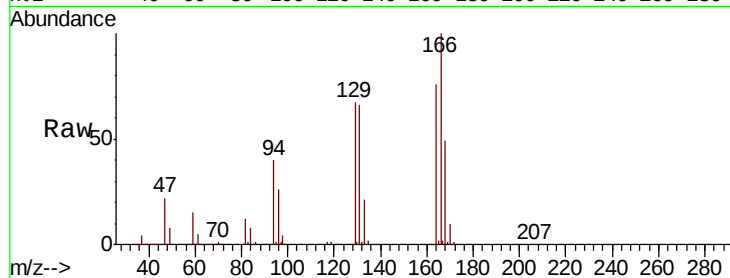




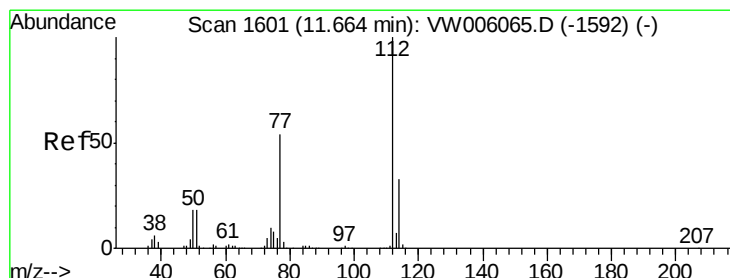
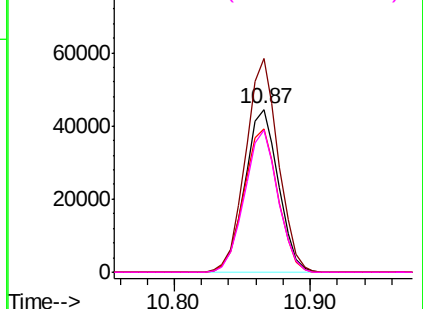
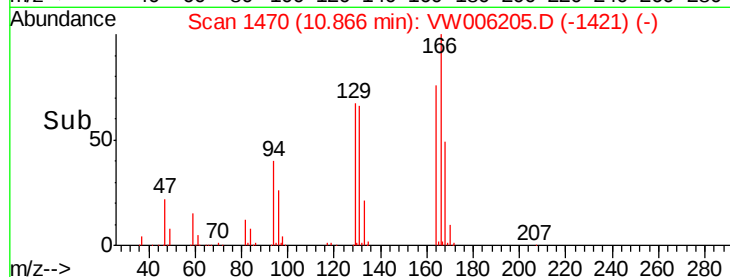
#64
Tetrachloroethene
Concen: 50.361 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

Tot Ion:164 Resp: 76806
Ion Ratio Lower Upper
164 100
166 131.1 103.4 155.0
129 87.6 71.8 107.8
131 86.8 69.5 104.3

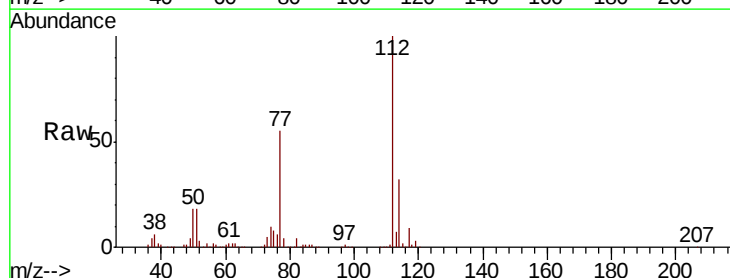


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

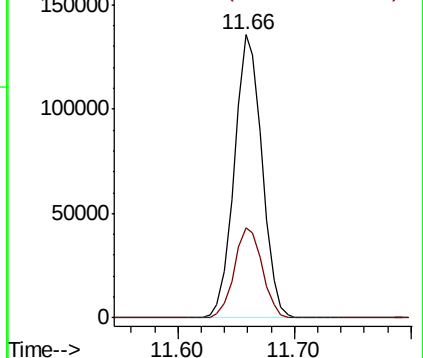
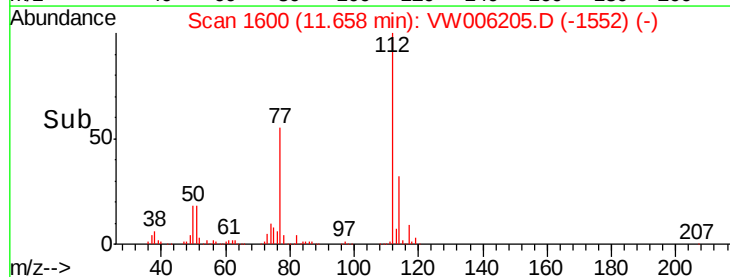


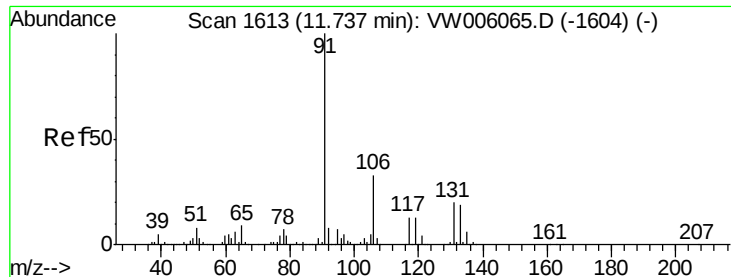
#65
Chlorobenzene
Concen: 53.329 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion:112 Resp: 224283
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

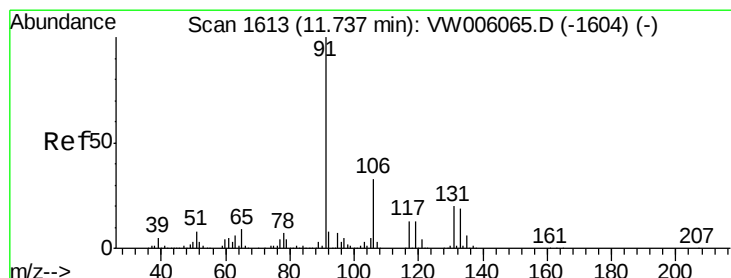
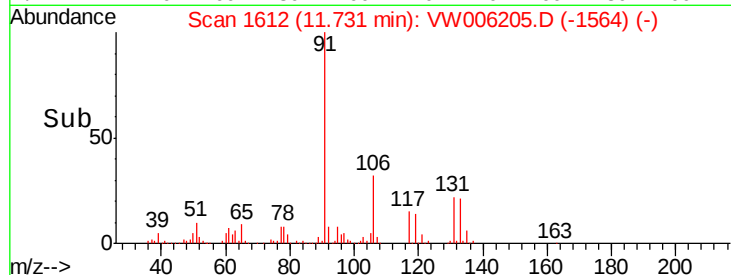
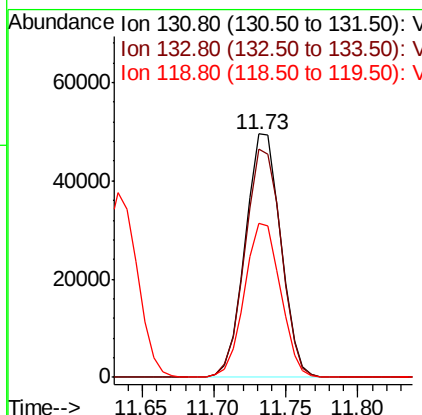
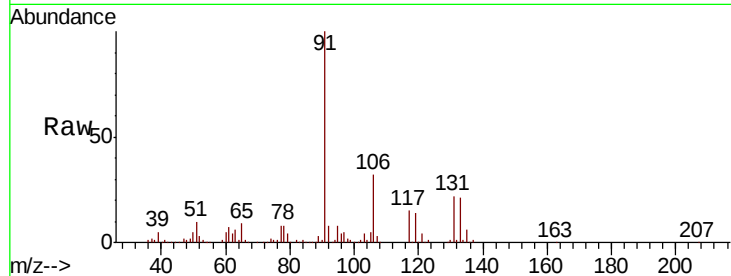




#66
 1,1,1,2-Tetrachloroethane
 Concen: 56.597 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

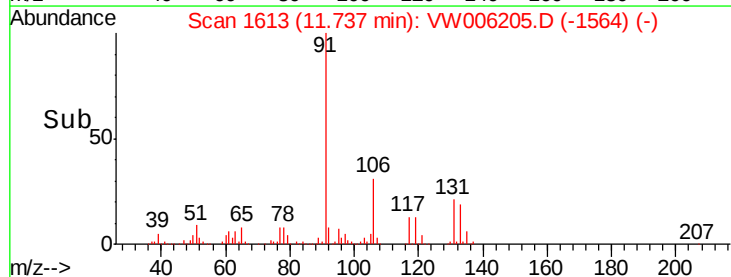
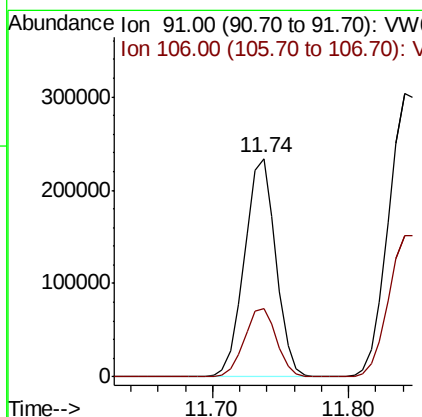
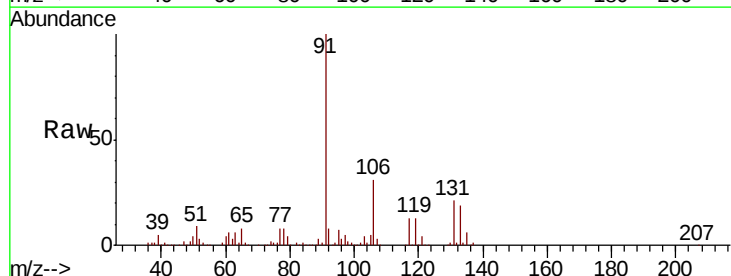
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MS

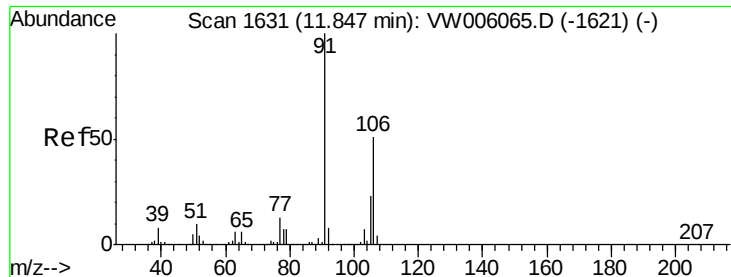
Tot Ion:131 Resp: 84589
 Ion Ratio Lower Upper
 131 100
 133 95.5 48.1 144.3
 119 64.0 31.6 94.7



#67
 Ethyl Benzene
 Concen: 51.814 ug/l
 RT: 11.74 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Tgt Ion: 91 Resp: 377645
 Ion Ratio Lower Upper
 91 100
 106 31.3 26.1 39.1

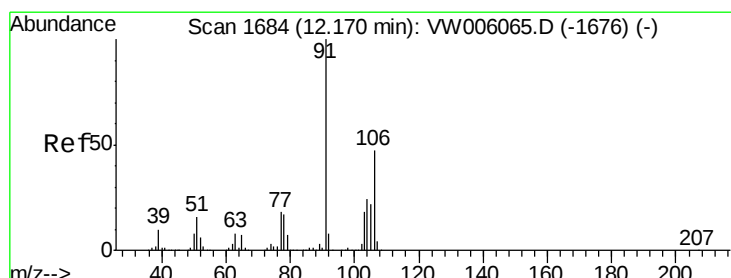
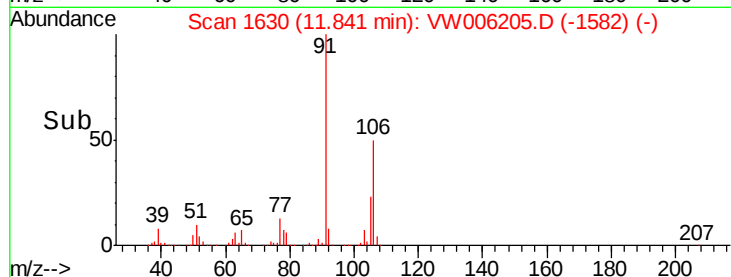
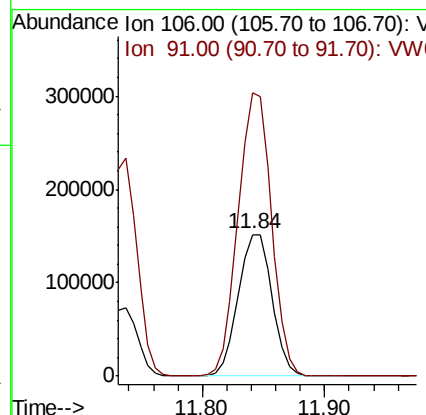
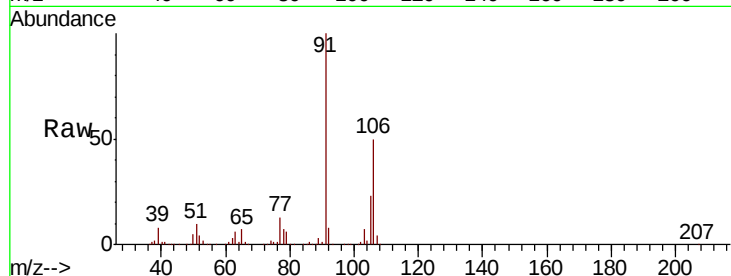




#68
m/p-Xylenes
Concen: 100.799 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

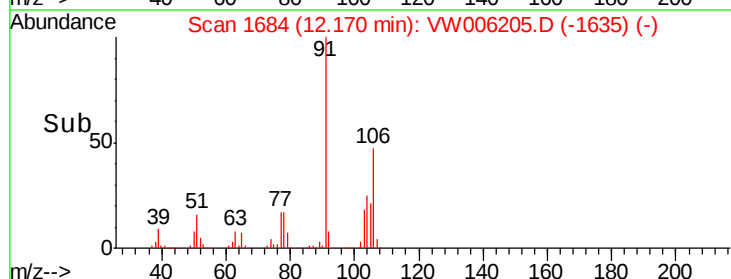
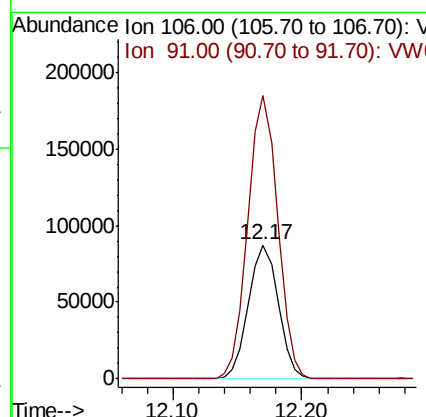
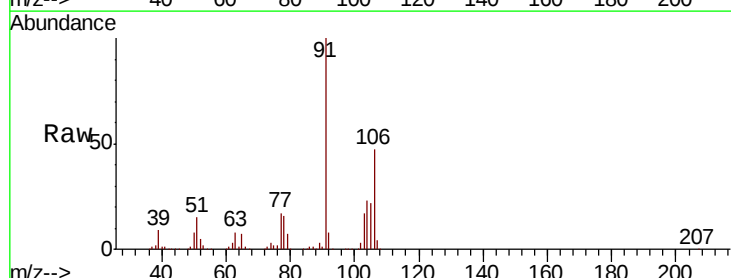
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

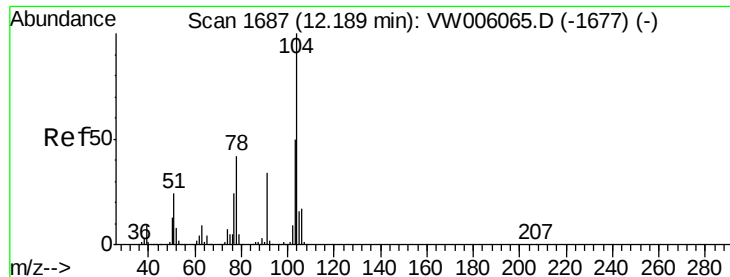
Tot Ion:106 Resp: 290379
Ion Ratio Lower Upper
106 100
91 198.0 159.1 238.7



#69
o-Xylene
Concen: 51.069 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion:106 Resp: 140208
Ion Ratio Lower Upper
106 100
91 211.1 105.4 316.1

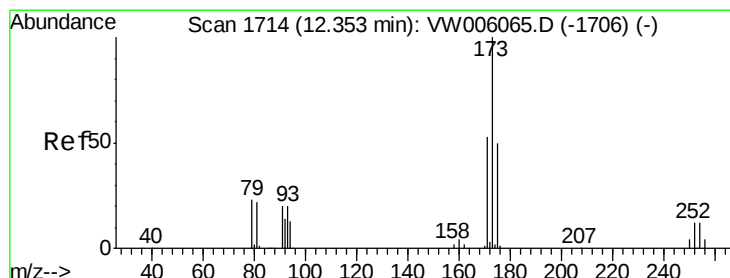
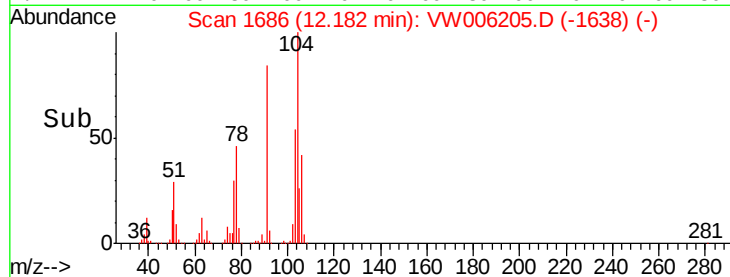
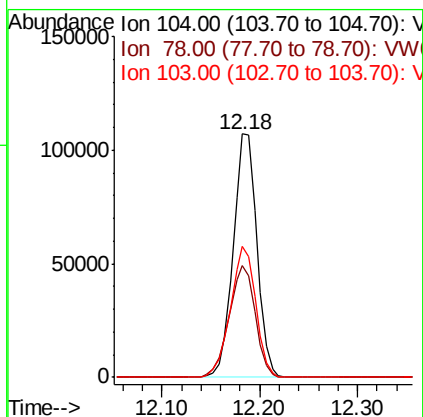
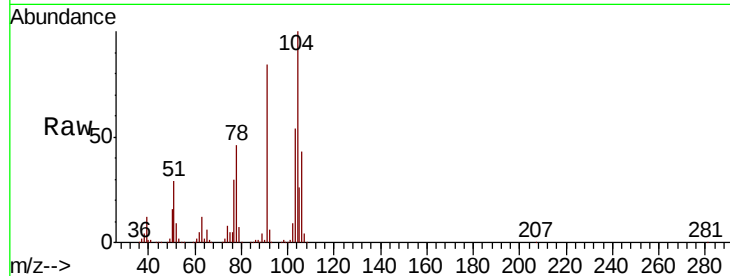




#70
Stvrene
Concen: 40.224 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

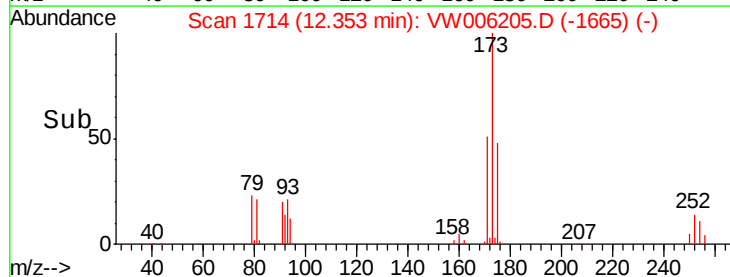
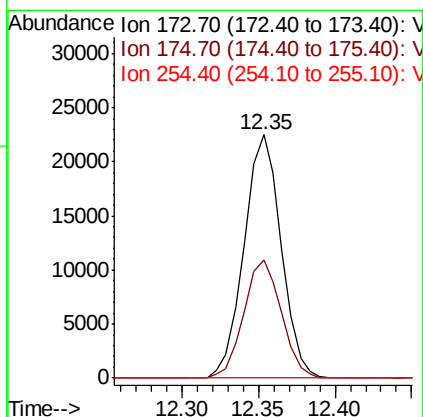
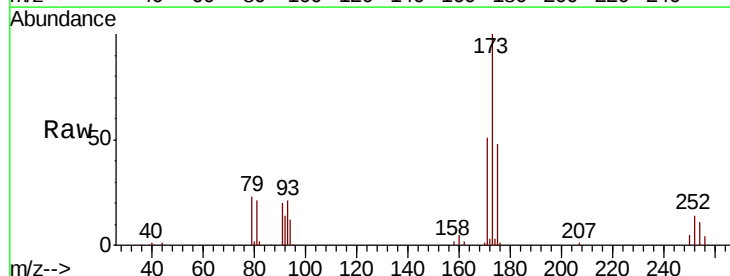
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

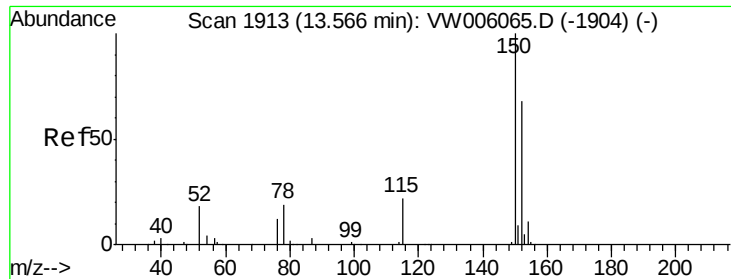
Tot Ion:104 Resp: 179581
Ion Ratio Lower Upper
104 100
78 50.5 39.1 58.7
103 57.4 44.3 66.5



#71
Bromoform
Concen: 45.394 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion:173 Resp: 37842
Ion Ratio Lower Upper
173 100
175 49.1 24.2 72.6
254 0.0 0.1 0.1#



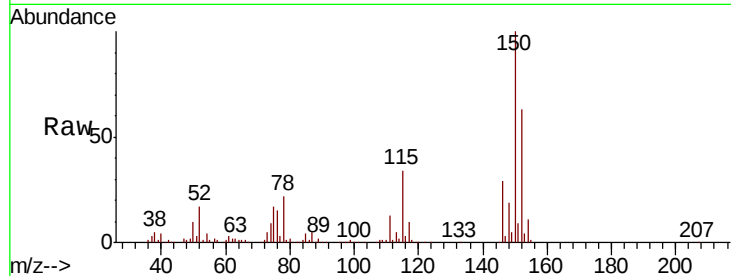


#72

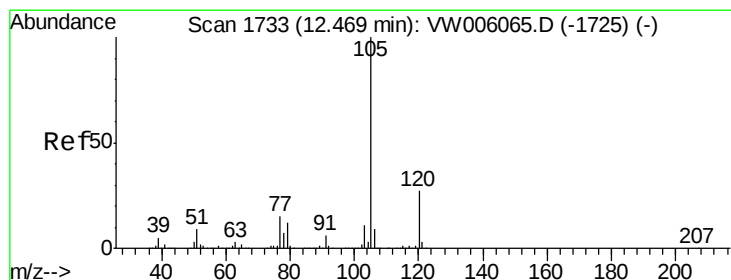
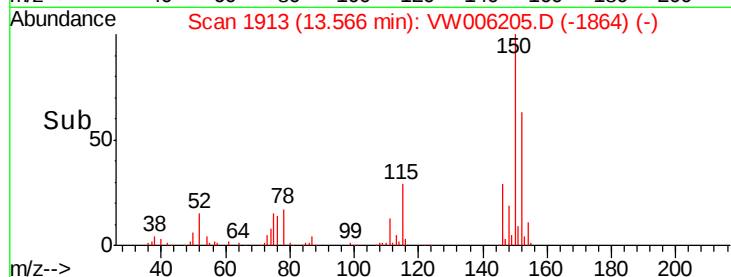
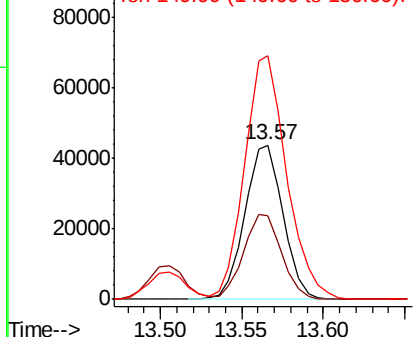
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.3
150	174.2	0.0	349.2



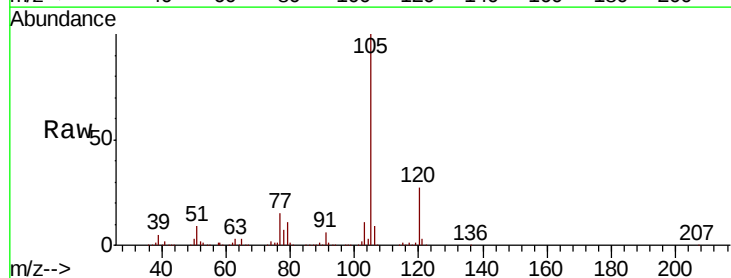
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



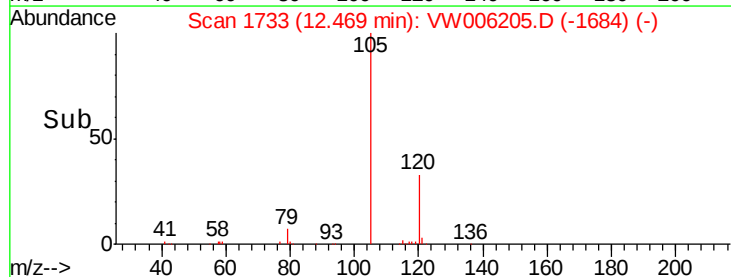
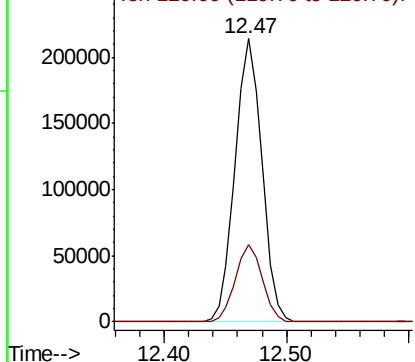
#73

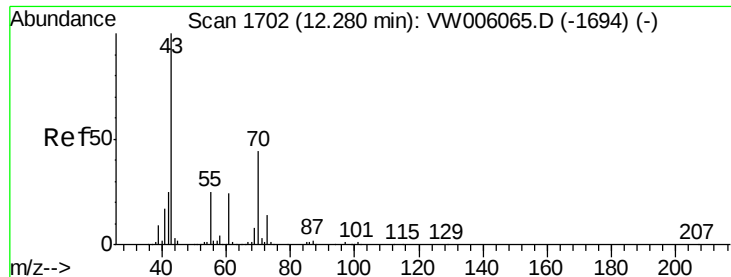
Isopropylbenzene
Concen: 64.924 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.6	40.7



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





#74

N-amvl acetate

Concen: 2.458 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

Tot Ion: 43 Resp: 2389

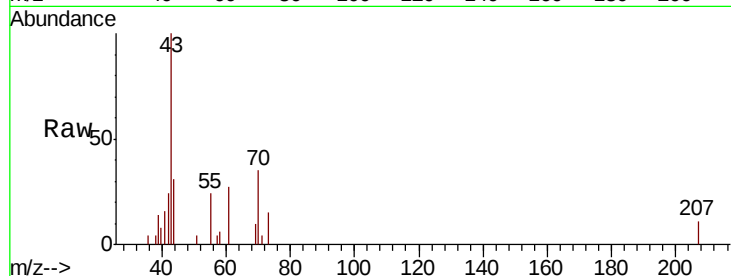
Ion Ratio Lower Upper

43 100

70 41.4 34.2 51.4

55 27.5 19.2 28.8

61 20.5 19.0 28.6

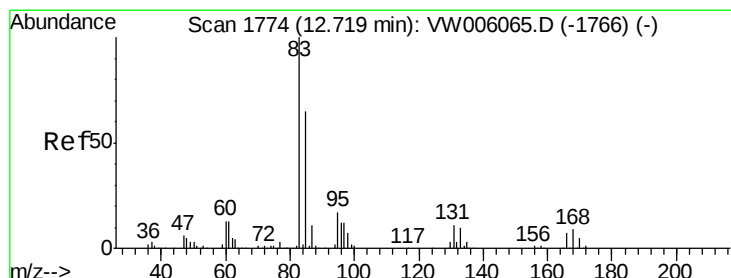
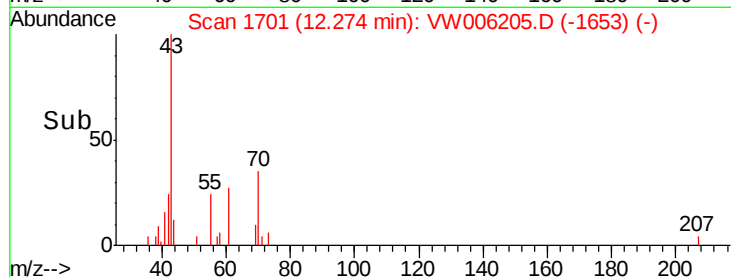
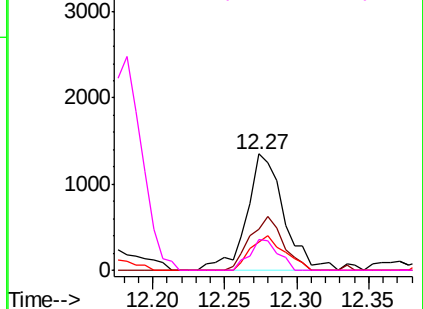


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 93.393 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

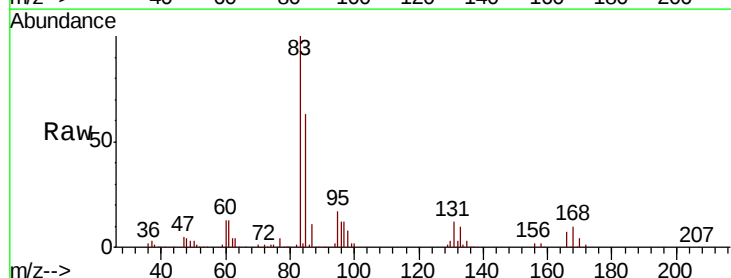
Tgt Ion: 83 Resp: 71084

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.7

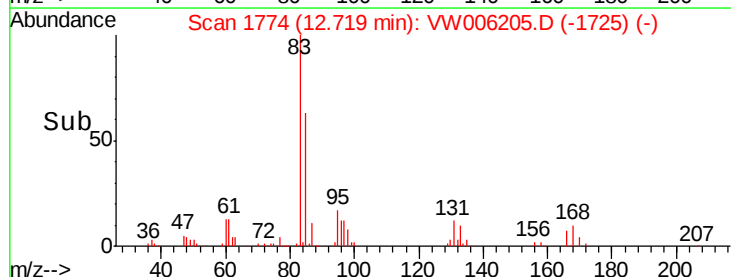
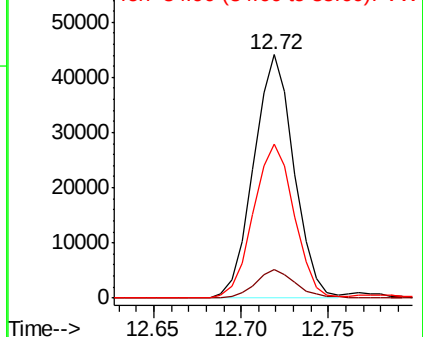
85 64.0 31.9 95.9

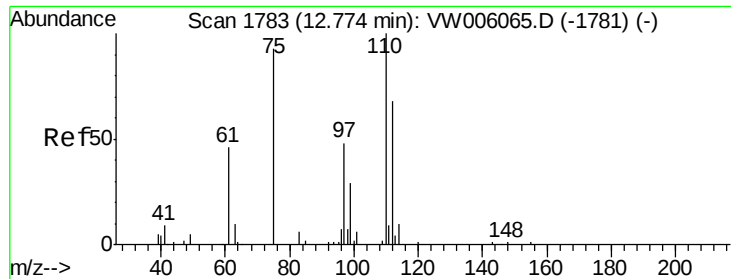


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

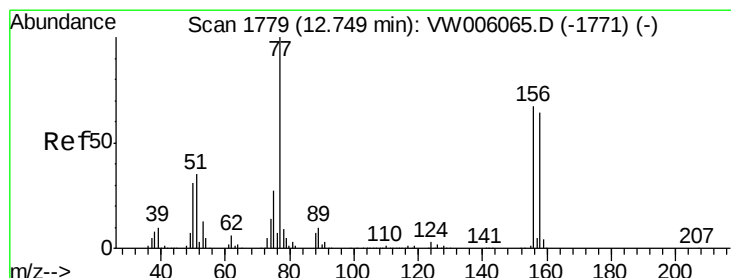
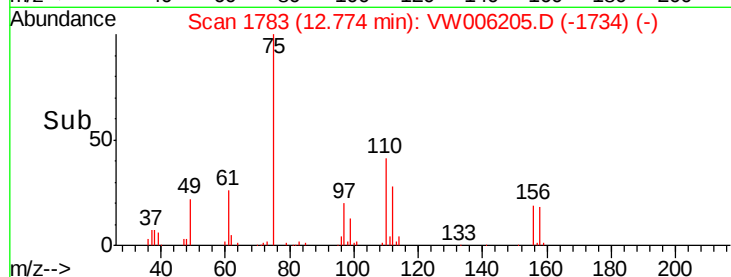
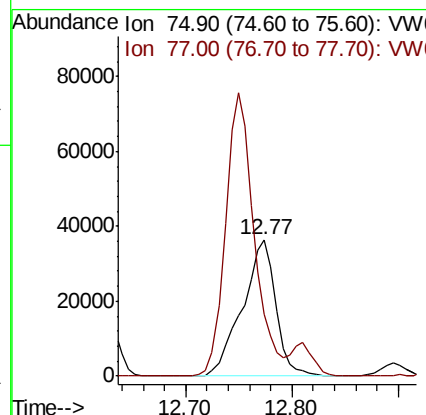
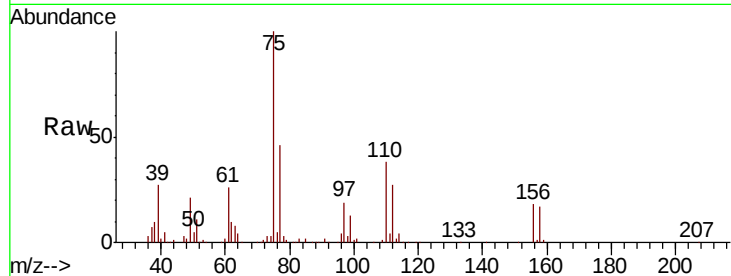




#76
 1,2,3-Trichloropropane
 Concen: 148.649 ug/l
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

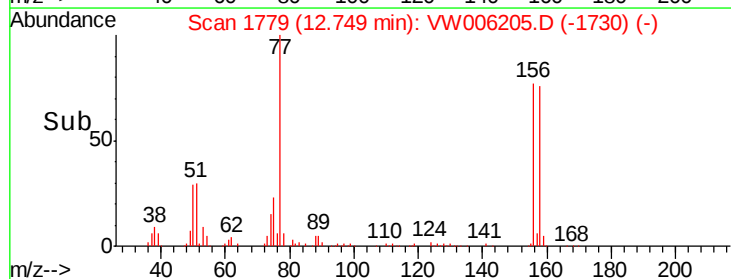
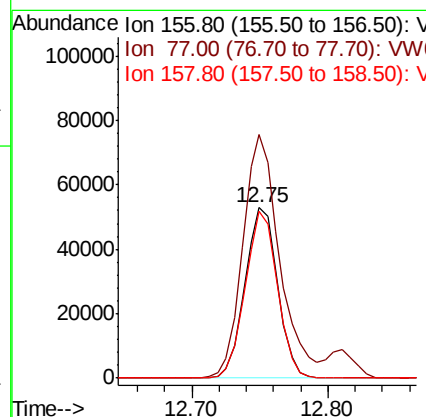
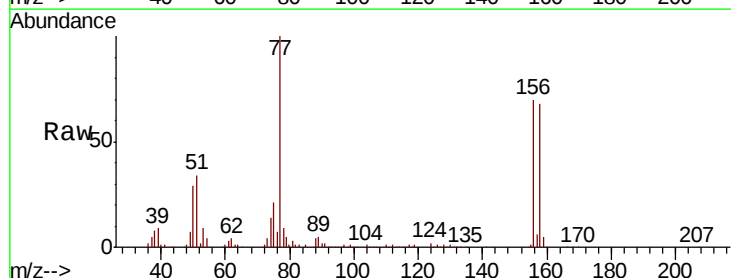
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MS

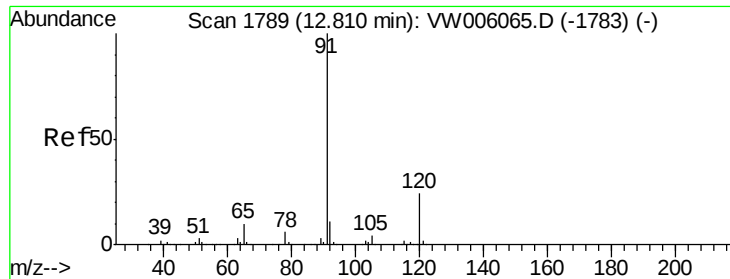
Tot Ion: 75 Resp: 80425
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 72.244 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Tgt Ion: 156 Resp: 88550
 Ion Ratio Lower Upper
 156 100
 77 160.1 79.1 237.4
 158 96.5 48.5 145.6





#78

n-propylbenzene

Concen: 56.203 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

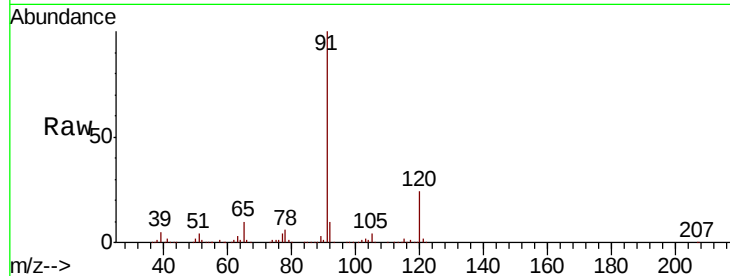
RLF-SD-5MS

Tot Ion: 91 Resp: 327217

Ion Ratio Lower Upper

91 100

120 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW006065.D (-1783) (-)

Ion 120.00 (119.70 to 120.70): VW006065.D (-1783) (-)

12.81

250000

200000

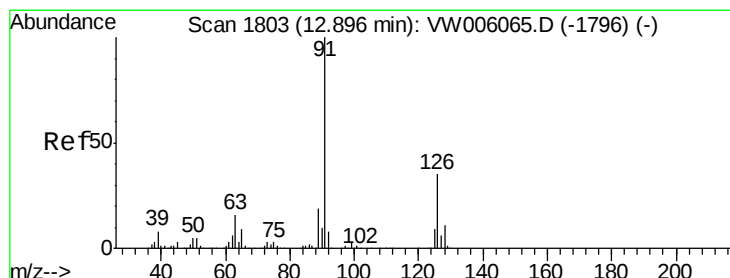
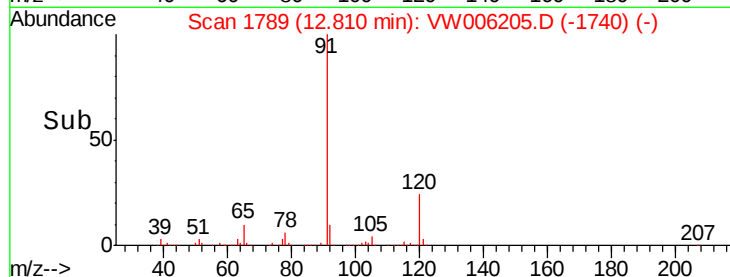
150000

100000

50000

0

Time-->



#79

2-Chlorotoluene

Concen: 60.161 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006205.D

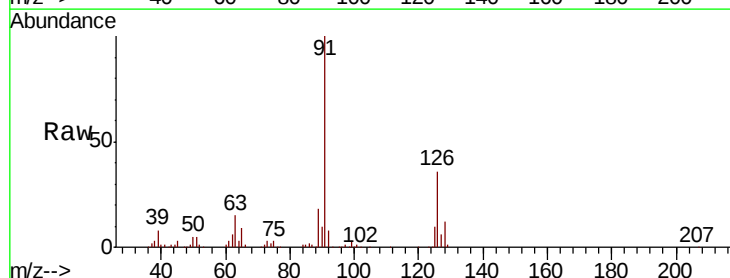
Acq: 19 Oct 2018 06:04

Tgt Ion: 91 Resp: 196799

Ion Ratio Lower Upper

91 100

126 36.7 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW006065.D (-1796) (-)

Ion 125.90 (125.60 to 126.60): VW006065.D (-1796) (-)

12.90

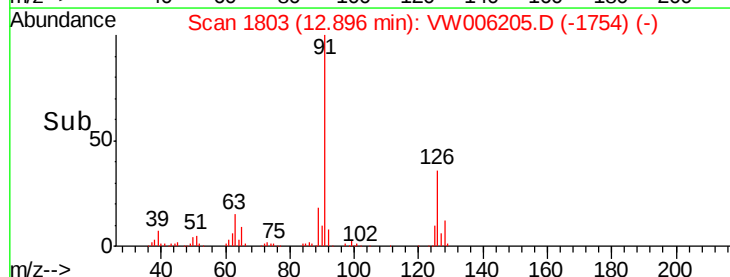
150000

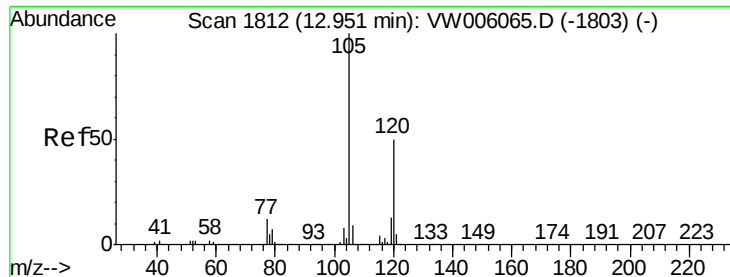
100000

50000

0

Time-->

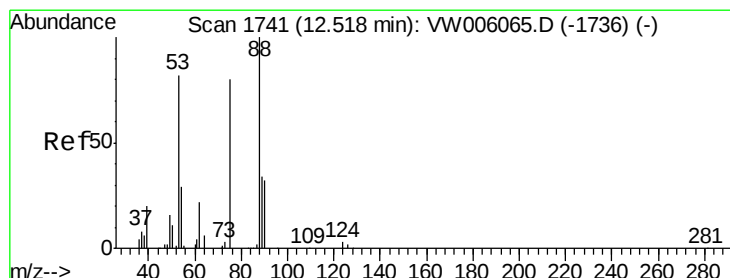
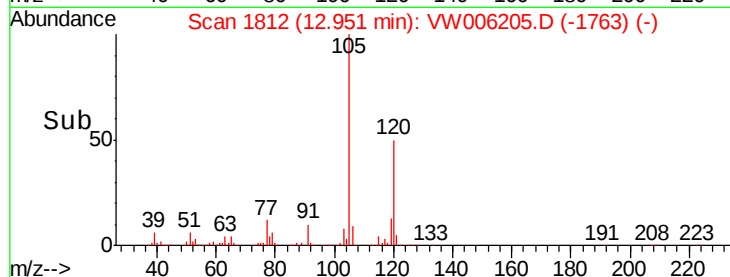
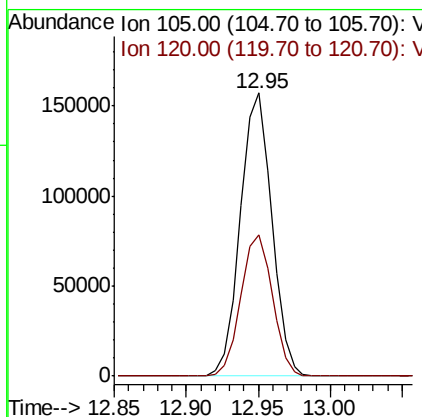
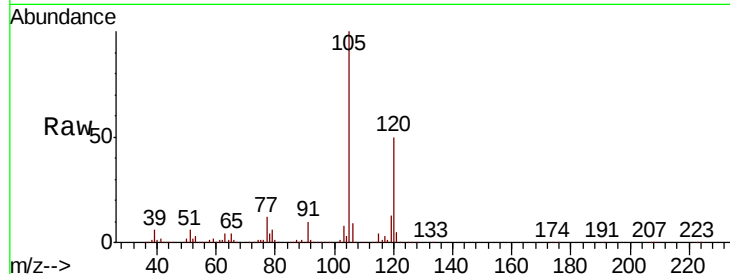




#80
 1,3,5-Trimethylbenzene
 Concen: 56.559 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

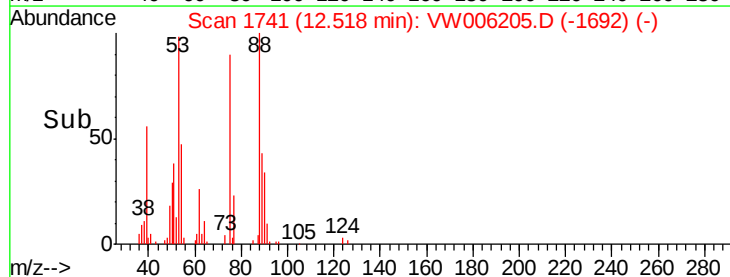
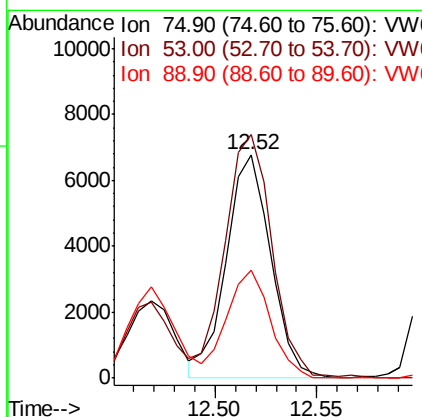
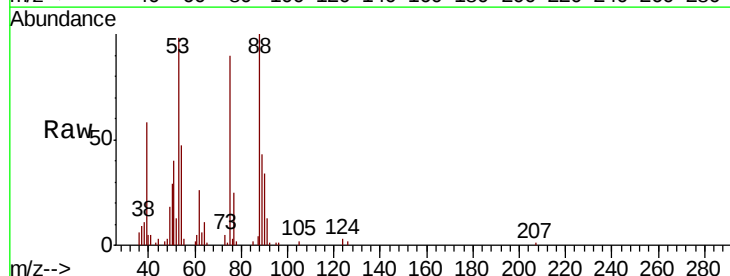
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MS

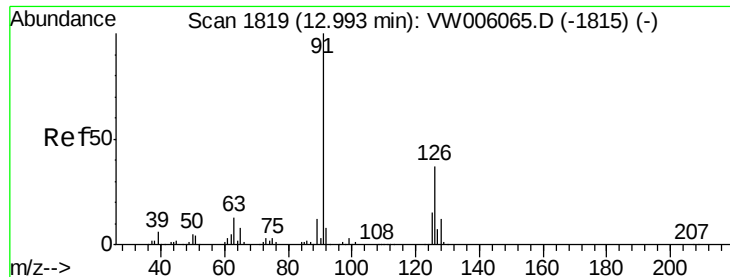
Tot Ion:105 Resp: 238606
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.273 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Tgt Ion: 75 Resp: 10247
 Ion Ratio Lower Upper
 75 100
 53 115.8 79.8 119.6
 89 46.9 37.5 56.3

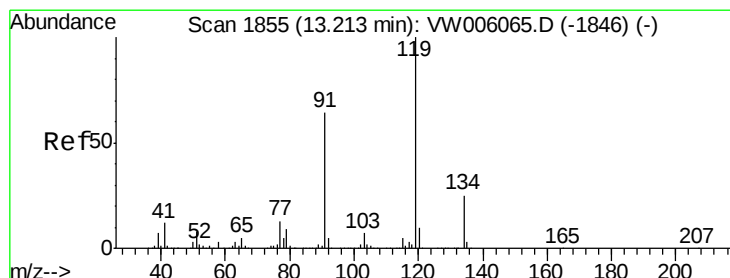
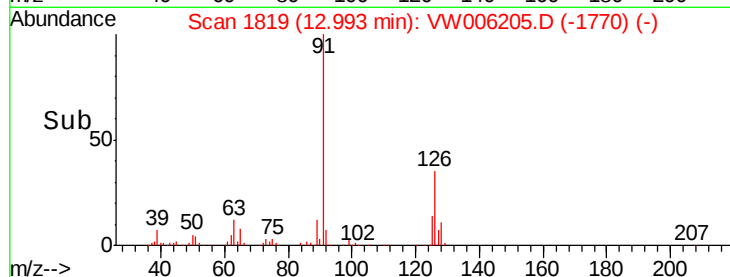
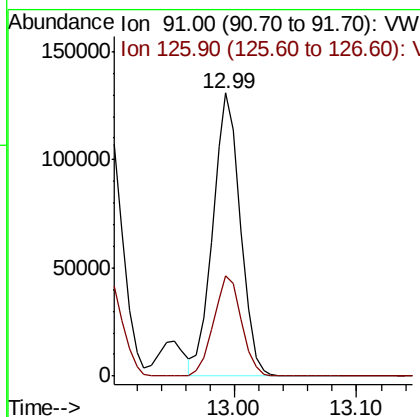
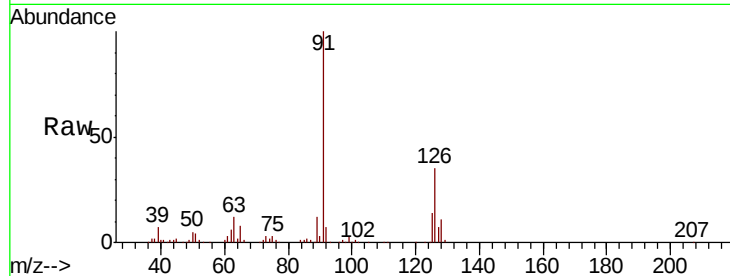




#82
4-Chlorotoluene
Concen: 59.754 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

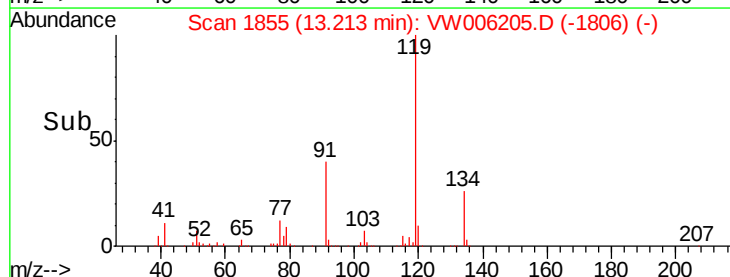
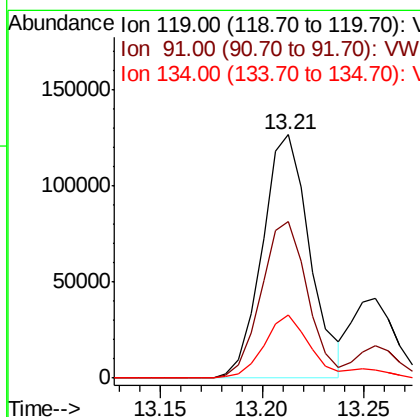
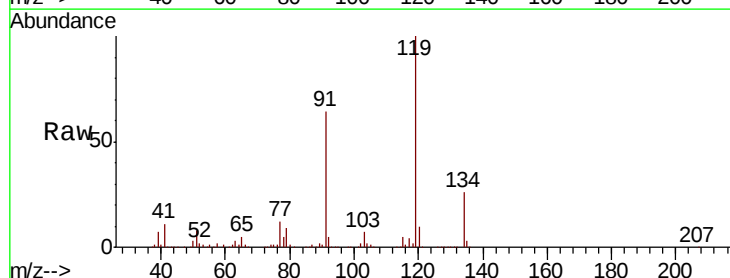
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MS

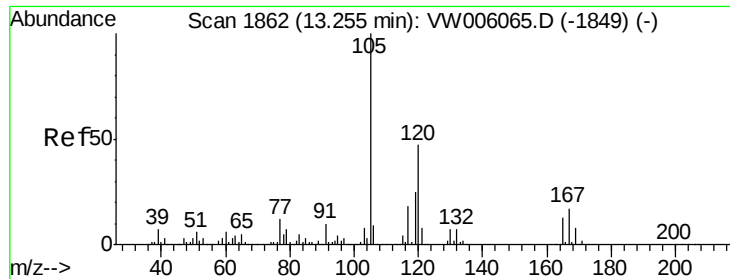
Tot Ion: 91 Resp: 204758
Ion Ratio Lower Upper
91 100
126 36.0 18.1 54.3



#83
tert-Butylbenzene
Concen: 54.329 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006205.D
Acq: 19 Oct 2018 06:04

Tgt Ion: 119 Resp: 205062
Ion Ratio Lower Upper
119 100
91 62.7 32.3 96.9
134 25.3 13.6 40.8

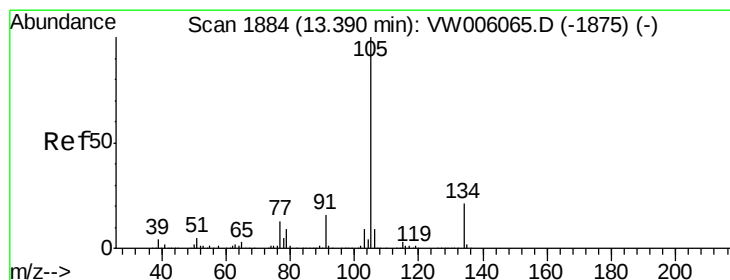
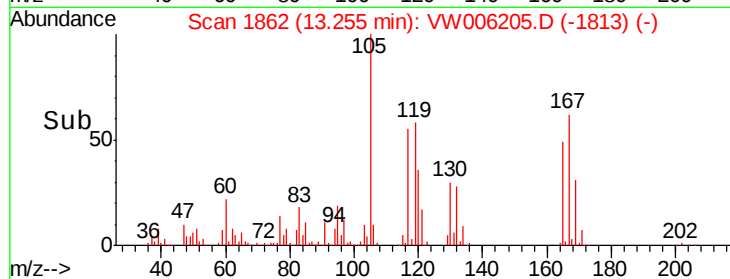
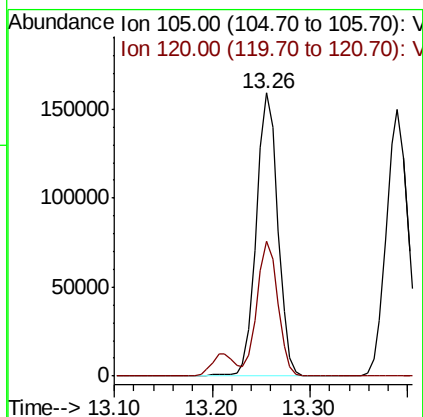
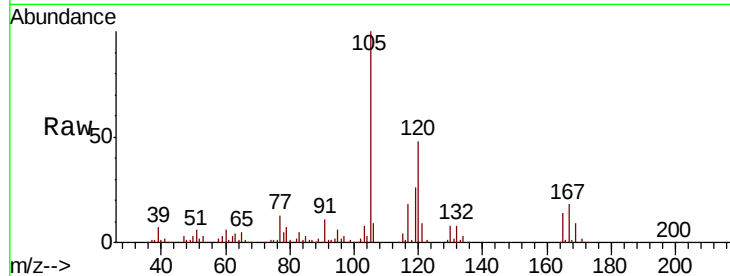




#84
 1,2,4-Trimethylbenzene
 Concen: 57.310 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

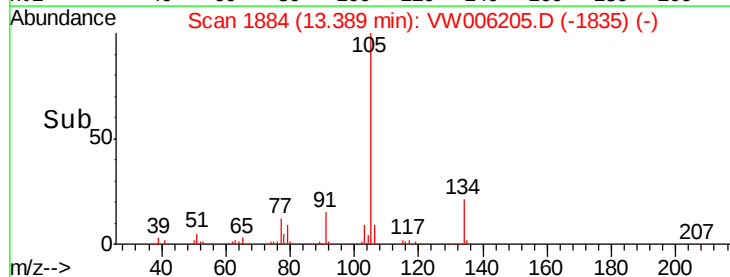
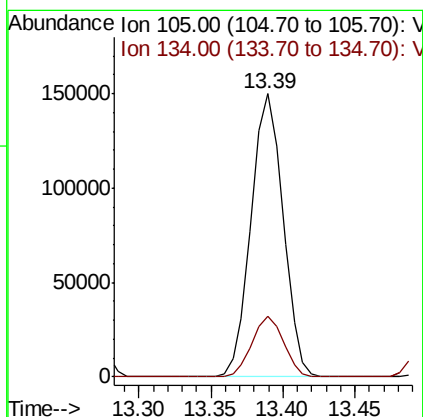
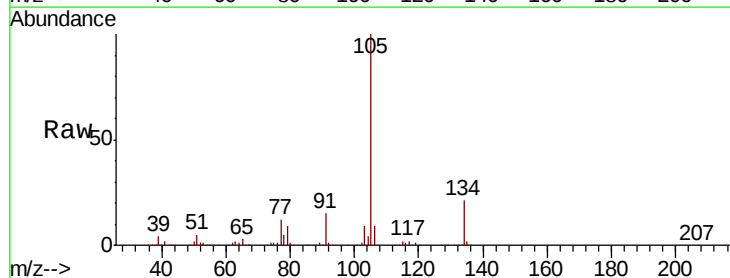
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MS

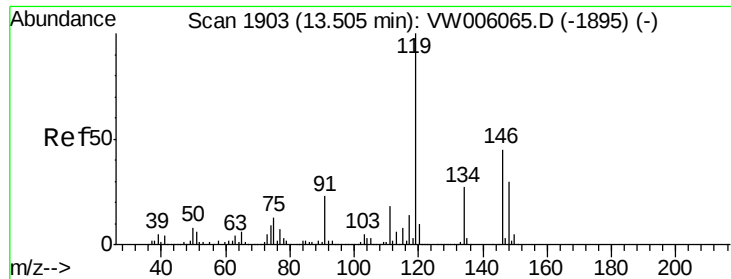
Tot Ion:105 Resp: 244653
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 43.252 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Tgt Ion:105 Resp: 230637
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.5 31.6

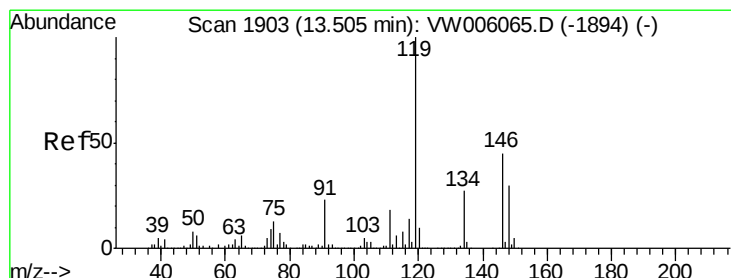
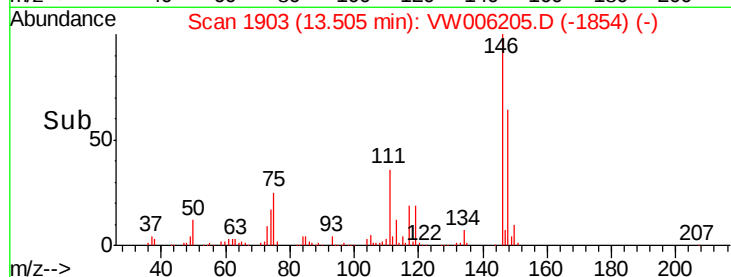
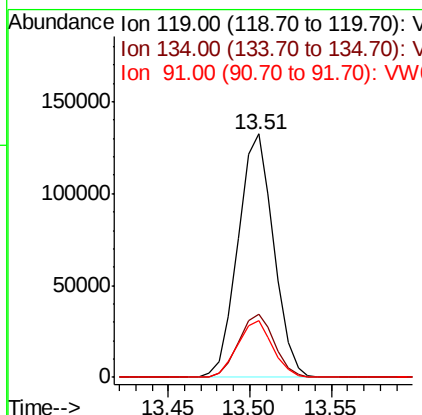
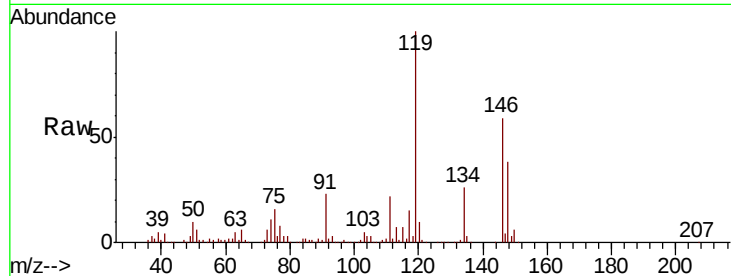




#86
 p-Isopropyltoluene
 Concen: 41.695 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

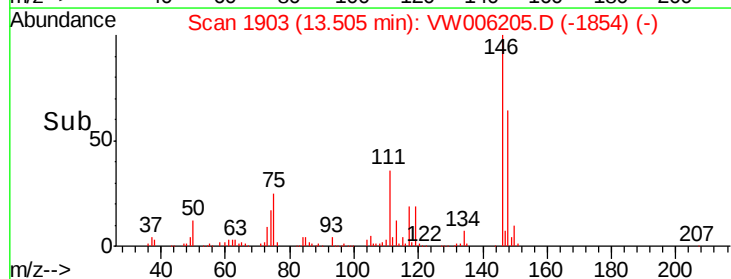
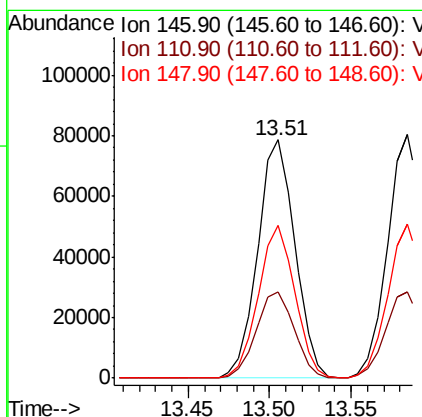
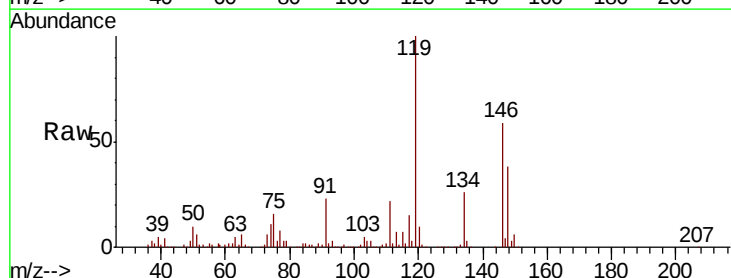
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MS

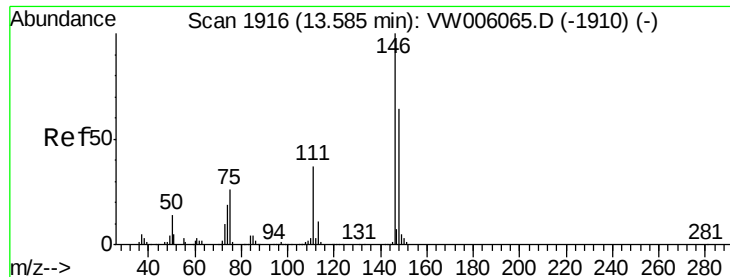
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.4	40.2
91	23.0	11.4	34.1



#87
 1,3-Dichlorobenzene
 Concen: 51.045 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.5
148	63.1	32.0	96.2





#88

1,4-Dichlorobenzene

Concen: 52.209 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

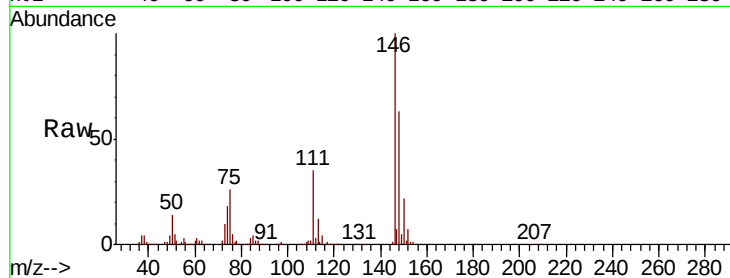
Tot Ion:146 Resp: 126804

Ion Ratio Lower Upper

146 100

111 36.4 18.6 56.0

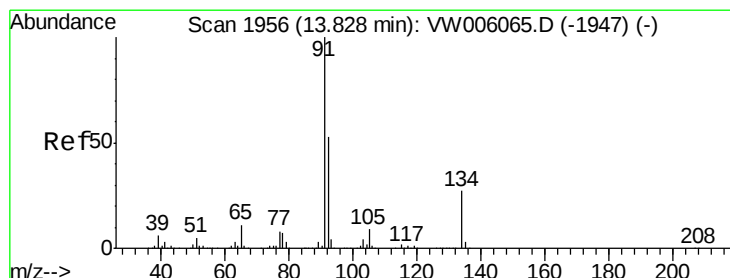
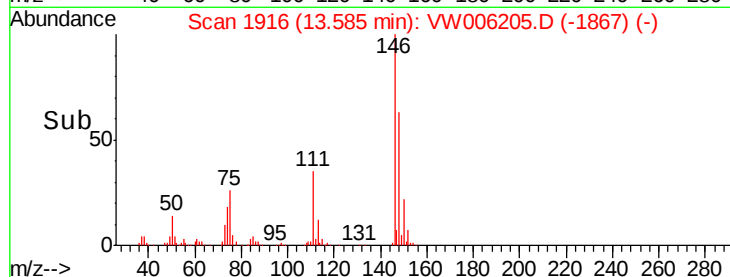
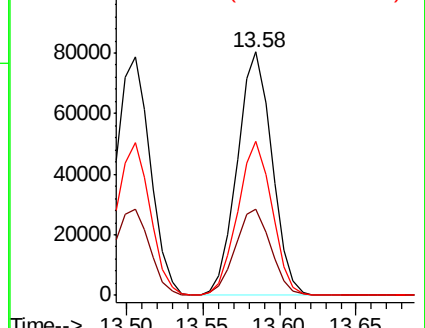
148 63.0 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 29.416 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

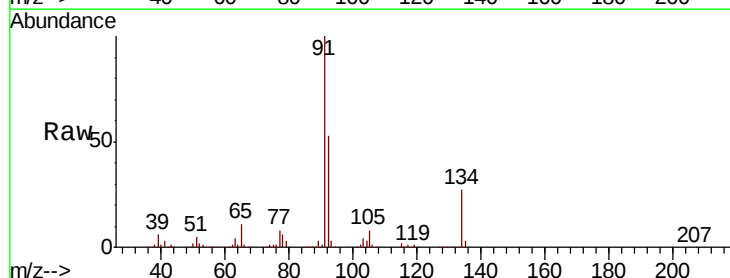
Tgt Ion: 91 Resp: 129750

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.7

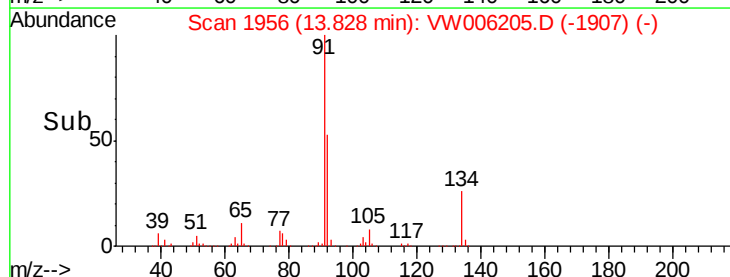
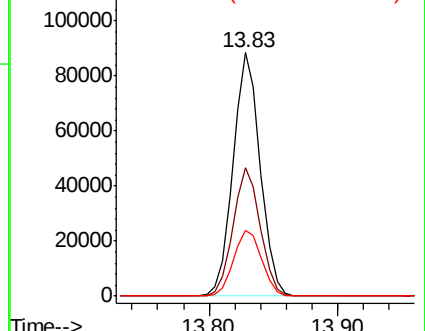
134 27.9 14.0 41.9

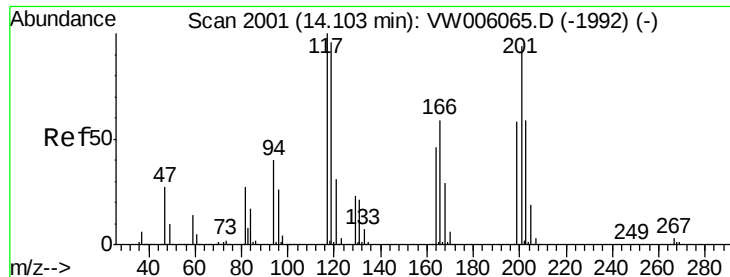


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 34.194 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

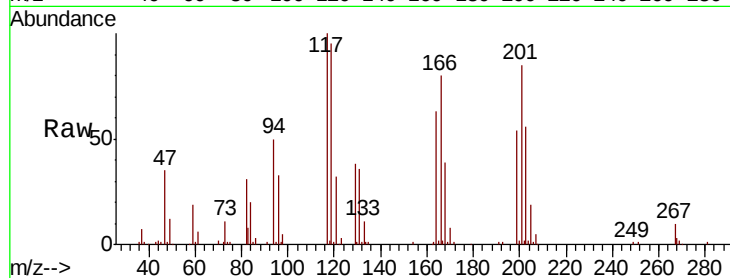
RLF-SD-5MS

Tot Ion:117 Resp: 27935

Ion Ratio Lower Upper

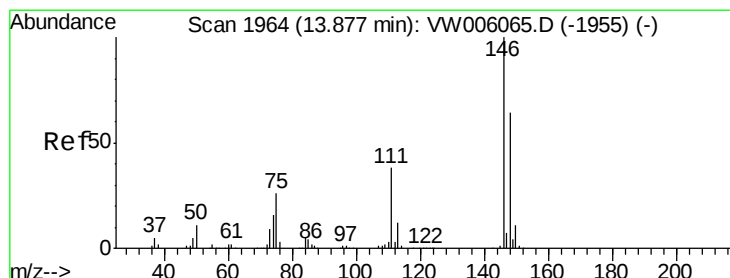
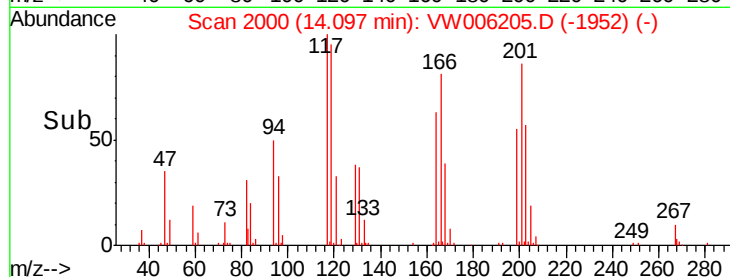
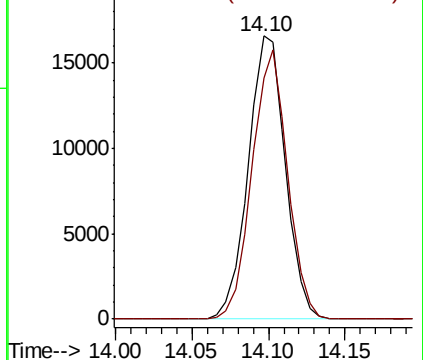
117 100

201 91.1 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: 51.679 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

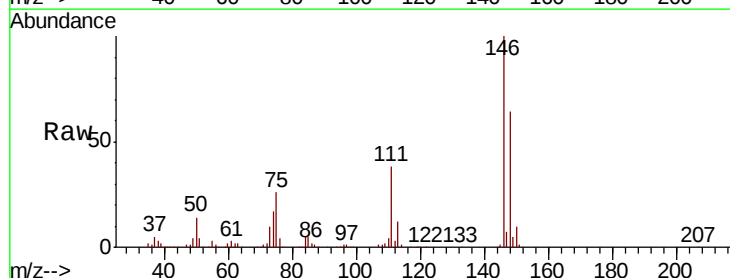
Tgt Ion:146 Resp: 112448

Ion Ratio Lower Upper

146 100

111 38.7 19.6 58.7

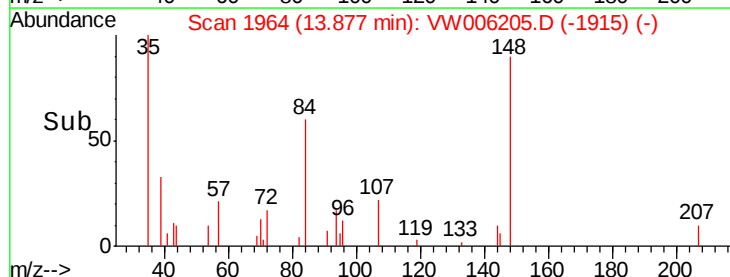
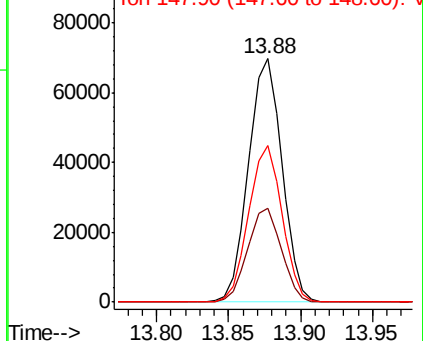
148 63.8 32.2 96.6

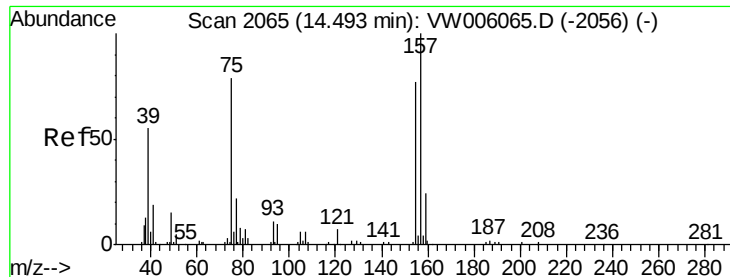


Abundance Ion 145.90 (145.60 to 146.60): V

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: 71.078 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

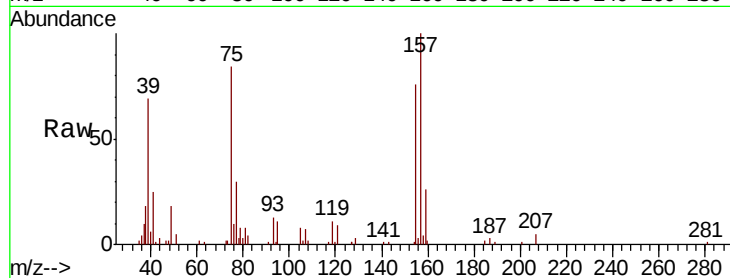
Tot Ion: 75 Resp: 9686

Ion Ratio Lower Upper

75 100

155 95.0 46.5 139.5

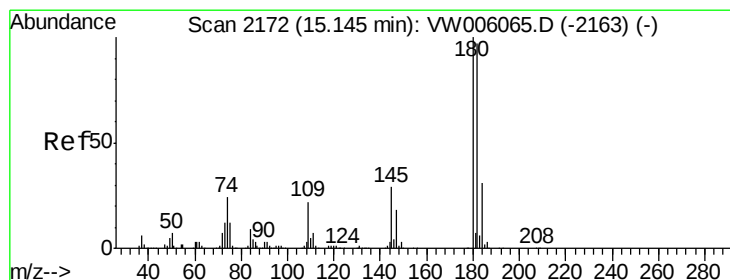
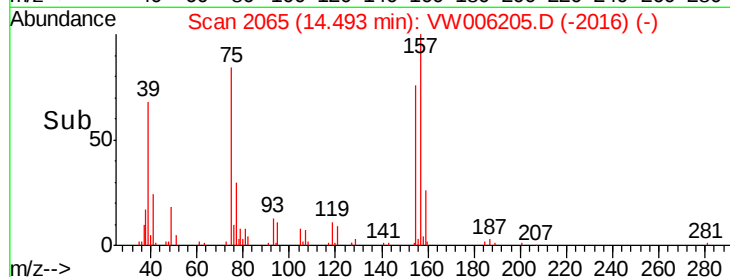
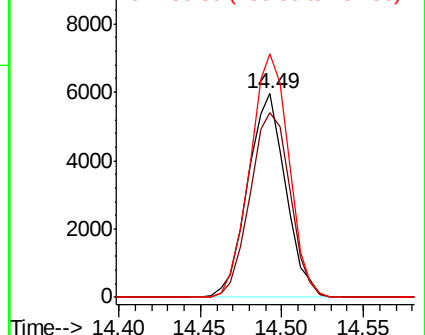
157 121.8 59.8 179.4



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: 23.825 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

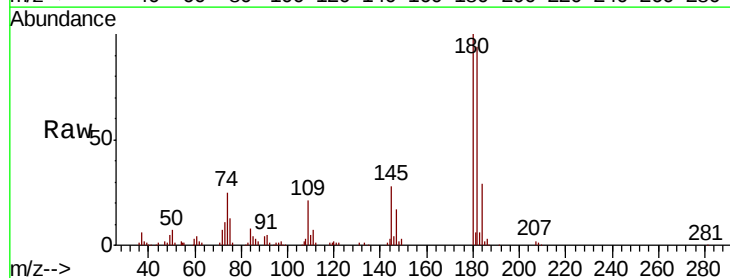
Tgt Ion: 180 Resp: 39888

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.6

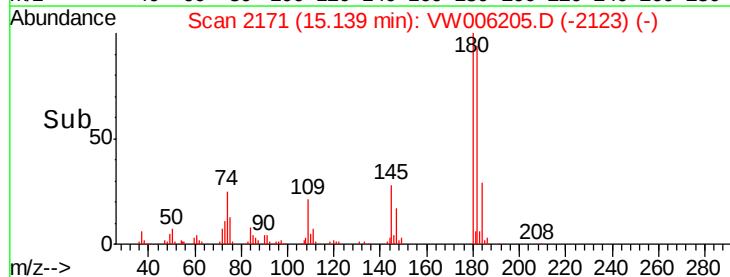
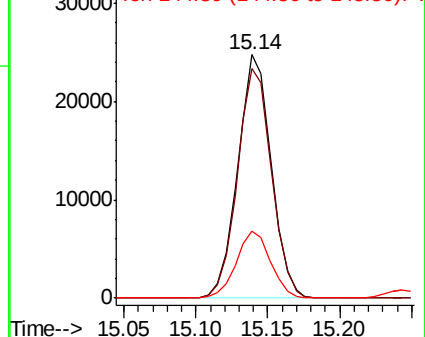
145 28.2 14.2 42.8

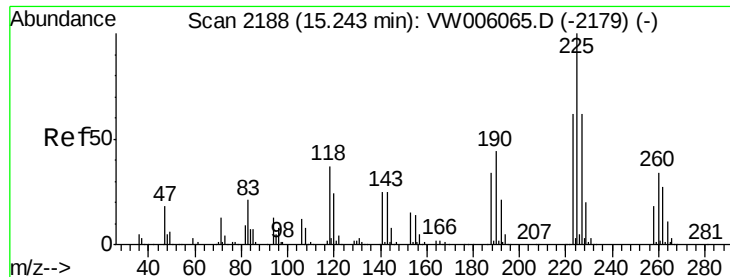


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 15.952 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MS

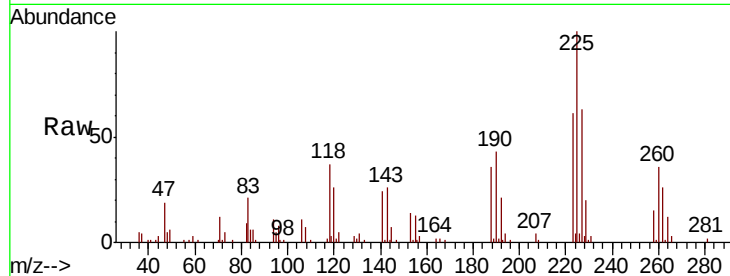
Tot Ion:225 Resp: 16777

Ion Ratio Lower Upper

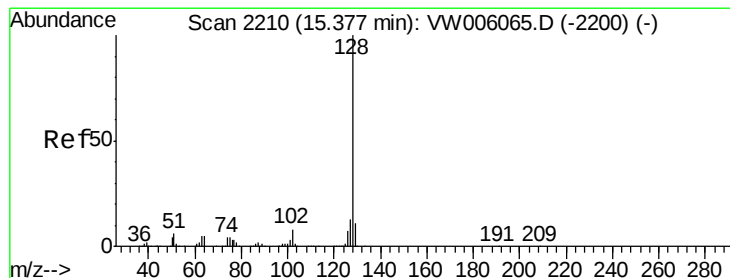
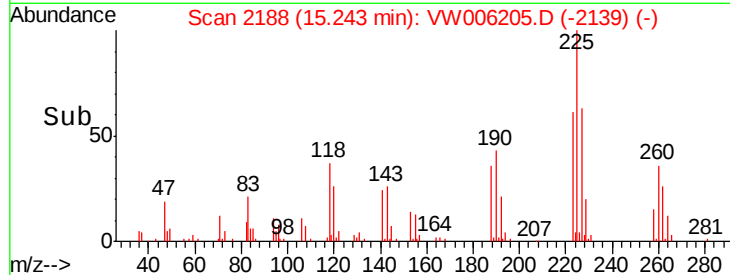
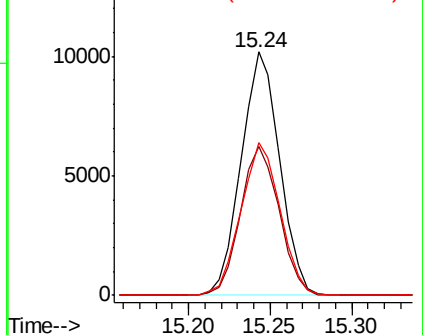
225 100

223 61.1 31.1 93.5

227 63.7 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: 37.912 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006205.D

Acq: 19 Oct 2018 06:04

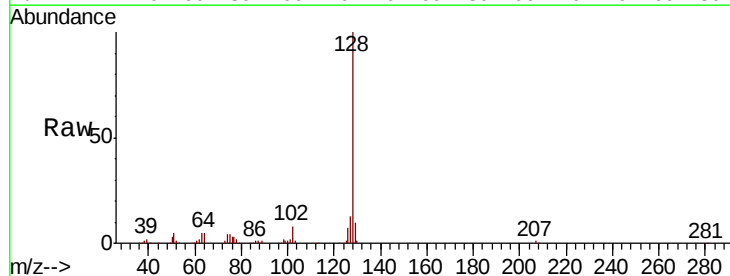
Tgt Ion:128 Resp: 105590

Ion Ratio Lower Upper

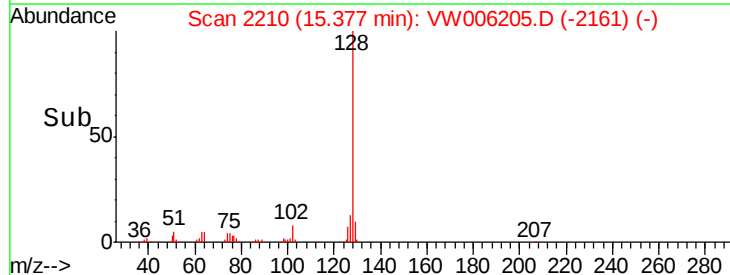
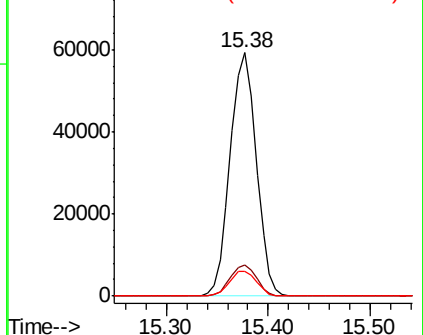
128 100

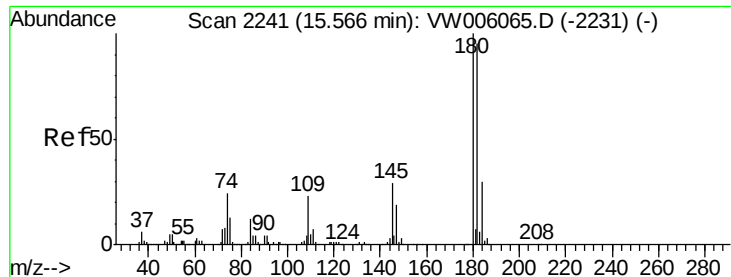
127 12.8 10.3 15.5

129 10.7 8.7 13.1



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





#96
 1,2,3-Trichlorobenzene
 Concen: 22.575 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW006205.D
 Acq: 19 Oct 2018 06:04

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	30.9	15.0	45.1

