

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006206.D
 Acq On : 19 Oct 2018 06:30
 Operator : VA/AP
 Sample : J5565-06MSD
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Quant Time: Oct 19 07:59:17 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	176863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	260925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	195812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	65795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	80818	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
35) Dibromofluoromethane	7.88	113	79056	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.32	98	263048	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
62) 4-Bromofluorobenzene	12.62	95	70427	31.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52573	60.068	ug/l	96
3) Chloromethane	2.21	50	61963	54.999	ug/l	98
4) Vinyl Chloride	2.37	62	95654	59.453	ug/l	99
5) Bromomethane	2.78	94	54300	37.106	ug/l	99
6) Chloroethane	2.93	64	67548	58.585	ug/l	99
7) Trichlorofluoromethane	3.26	101	73907	49.310	ug/l	99
8) Diethyl Ether	3.68	74	51670	64.867	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	81047	51.598	ug/l	98
10) Methyl Iodide	4.27	142	62521	23.915	ug/l	99
11) Tert butyl alcohol	5.22	59	27052	274.321	ug/l	99
12) 1,1-Dichloroethene	4.03	96	85989	58.189	ug/l	99
14) Allvl chloride	4.67	41	81165	38.413	ug/l	100
15) Acrylonitrile	5.37	53	75393	263.884	ug/l	100
16) Acetone	4.14	43	73862	269.670	ug/l	99
17) Carbon Disulfide	4.38	76	118715	26.618	ug/l	99
18) Methyl Acetate	4.68	43	90151	122.172	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	144758	64.315	ug/l	94
20) Methylene Chloride	4.91	84	102987	66.930	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	96134	58.282	ug/l	99
22) Diisopropyl ether	6.32	45	256557	61.443	ug/l	96
23) Vinyl Acetate	6.32	43	135358	54.930	ug/l #	72
24) 1,1-Dichloroethane	6.21	63	167330	62.106	ug/l	99
25) 2-Butanone	7.18	43	102267	258.174	ug/l	99
26) 2,2-Dichloropropane	7.17	77	81038	42.646	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	108558	59.640	ug/l	97
28) Bromochloromethane	7.51	49	67592	64.983	ug/l	96
29) Tetrahydrofuran	7.54	42	76185	312.895	ug/l	98
30) Chloroform	7.68	83	180724	61.566	ug/l	98
31) Cyclohexane	7.95	56	103237	38.477	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	140786	53.168	ug/l	99
36) 1,1-Dichloropropene	8.08	75	121602	50.562	ug/l	99
37) Ethyl Acetate	7.18	43	102267	114.450	ug/l #	1
38) Carbon Tetrachloride	8.07	117	111519	42.299	ug/l	97
39) Methylcyclohexane	9.34	83	83850	26.229	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006206.D
 Acq On : 19 Oct 2018 06:30
 Operator : VA/AP
 Sample : J5565-06MSD
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Quant Time: Oct 19 07:59:17 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)
40) Benzene	8.32	78	370201	56.116	ug/l	99
41) Methacrylonitrile	7.49	41	23485	43.598	ug/l	95
42) 1,2-Dichloroethane	8.40	62	117483	60.614	ug/l	100
43) Isopropyl Acetate	8.43	43	19015	10.408	ug/l #	61
44) Trichloroethene	9.09	130	104923	51.840	ug/l	99
45) 1,2-Dichloropropane	9.37	63	88409	56.003	ug/l	99
46) Dibromomethane	9.46	93	55701	61.907	ug/l	99
47) Bromodichloromethane	9.65	83	102976	47.206	ug/l	99
48) Methyl methacrylate	9.44	41	52669	60.818	ug/l	99
49) 1,4-Dioxane	9.47	88	16477	1189.561	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	259719	283.725	ug/l	98
52) Toluene	10.39	92	219408	49.608	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	83789	38.552	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	86491	34.674	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	70026	55.616	ug/l	99
56) Ethyl methacrylate	10.65	69	7482	4.847	ug/l #	75
57) 1,3-Dichloropropane	10.93	76	117123	56.193	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	111901	189.724	ug/l	99
59) 2-Hexanone	10.97	43	151030	231.131	ug/l	98
60) Dibromochloromethane	11.13	129	66103	42.149	ug/l	99
61) 1,2-Dibromoethane	11.24	107	64199	51.030	ug/l	99
64) Tetrachloroethene	10.87	164	74996	49.336	ug/l	98
65) Chlorobenzene	11.66	112	218909	52.223	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	83102	55.786	ug/l	99
67) Ethyl Benzene	11.74	91	364612	50.191	ug/l	98
68) m/p-Xylenes	11.84	106	274817	95.712	ug/l	99
69) o-Xylene	12.17	106	135704	49.592	ug/l	99
70) Stvrene	12.18	104	176821	39.737	ug/l	97
71) Bromoform	12.35	173	36612	44.064	ug/l #	100
73) Isopropylbenzene	12.47	105	305716	65.771	ug/l	100
74) N-amyl acetate	12.27	43	1023	1.133	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.72	83	71161	100.656	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	77167	153.553	ug/l #	100
77) Bromobenzene	12.75	156	84194	73.952	ug/l	96
78) n-propylbenzene	12.81	91	296656	54.857	ug/l	100
79) 2-Chlorotoluene	12.90	91	185831	61.160	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	221981	56.649	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	8092	38.490	ug/l #	85
82) 4-Chlorotoluene	12.99	91	187538	58.921	ug/l	100
83) tert-Butylbenzene	13.21	119	185360	52.871	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	223811	56.444	ug/l	99
85) sec-Butylbenzene	13.39	105	199819	40.343	ug/l	99
86) p-Isopropyltoluene	13.51	119	164150	36.641	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	113704	50.183	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	116373	51.584	ug/l	99
89) n-Butylbenzene	13.83	91	103206	25.190	ug/l	98
90) Hexachloroethane	14.10	117	23043	30.366	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	104052	51.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9734	76.902	ug/l	100
93) 1,2,4-Trichlorobenzene	15.14	180	34907	22.447	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
Data File : VW006206.D
Acq On : 19 Oct 2018 06:30
Operator : VA/AP
Sample : J5565-06MSD
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Quant Time: Oct 19 07:59:17 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

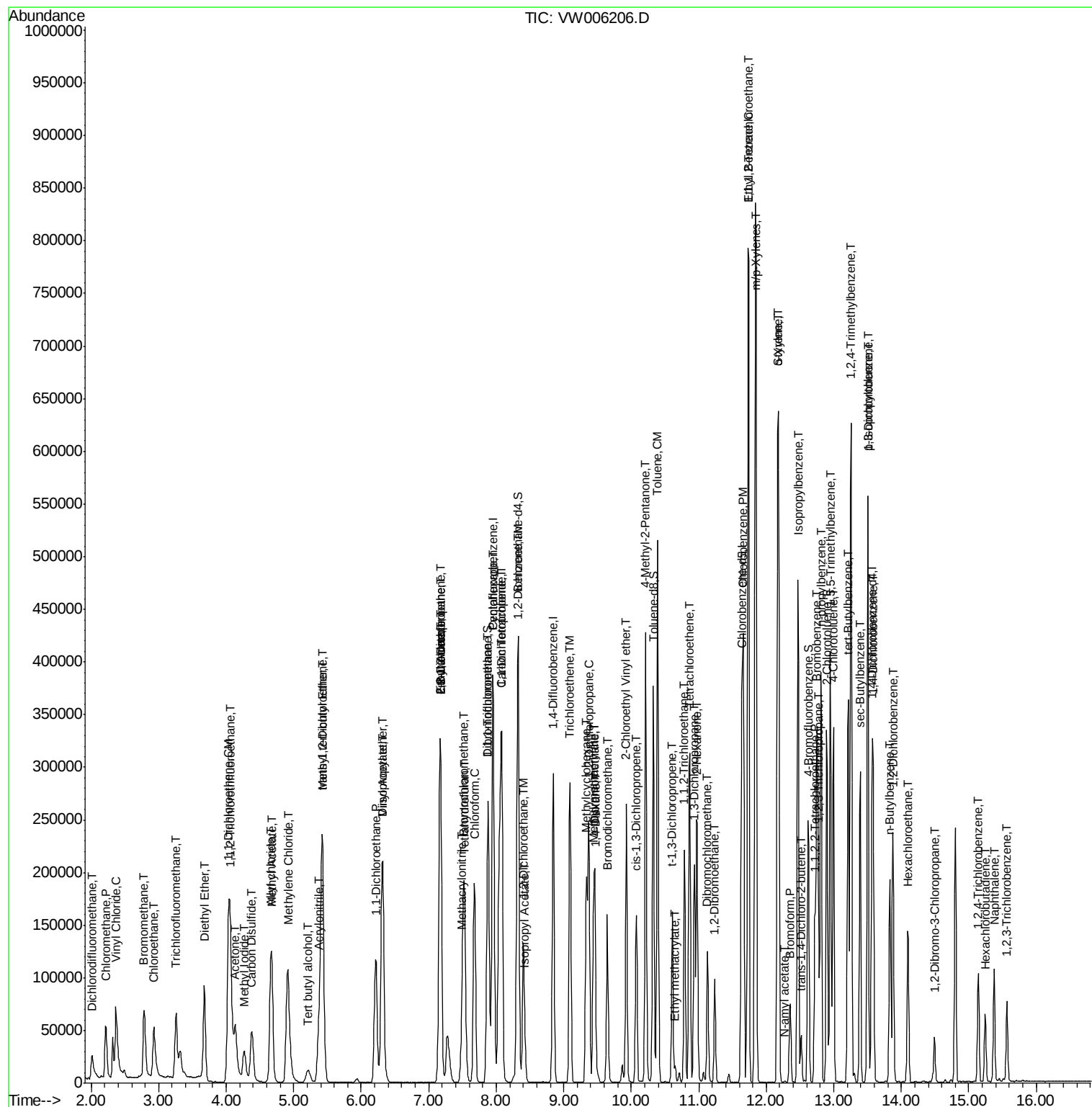
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	13086	13.395	ug/l	96
95) Naphthalene	15.38	128	96294	37.223	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	28856	21.453	ug/l	98

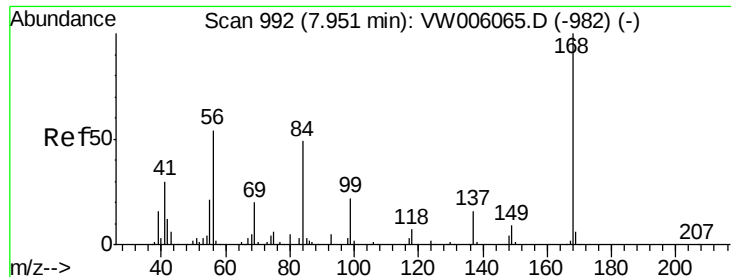
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006206.D
 Acq On : 19 Oct 2018 06:30
 Operator : VA/AP
 Sample : J5565-06MSD
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Quant Time: Oct 19 07:59:17 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

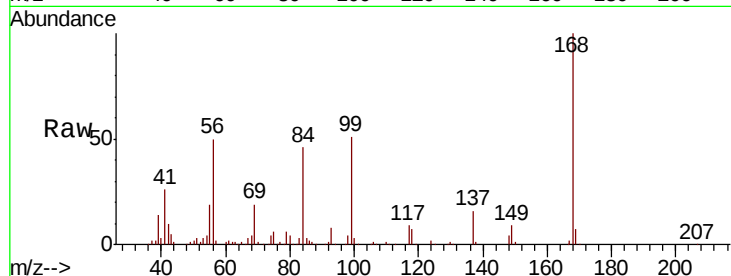
RLF-SD-5MSD

Tot Ion:168 Resp: 176863

Ion Ratio Lower Upper

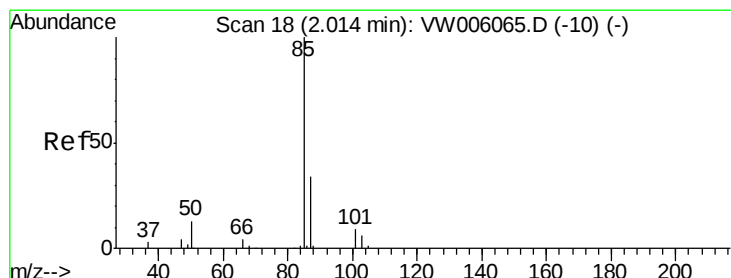
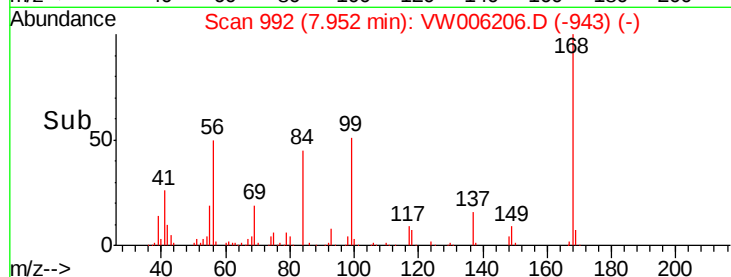
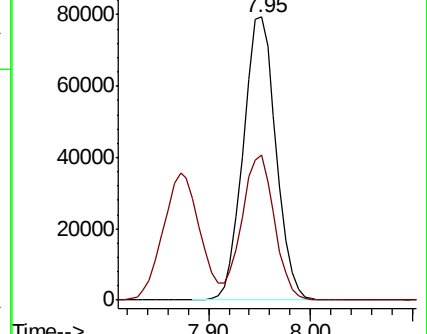
168 100

99 51.1 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: 60.068 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006206.D

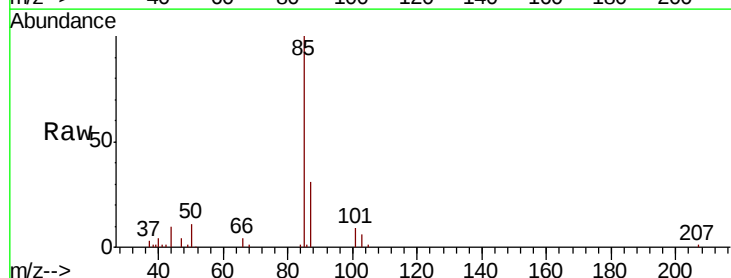
Acq: 19 Oct 2018 06:30

Tgt Ion: 85 Resp: 52573

Ion Ratio Lower Upper

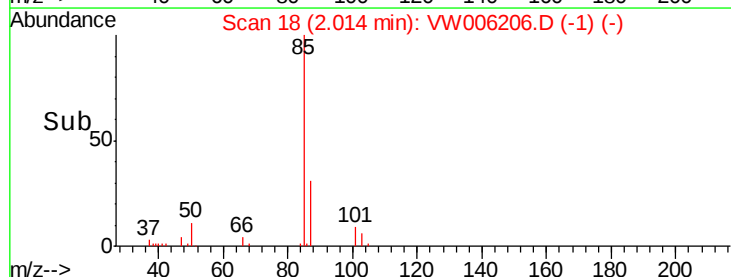
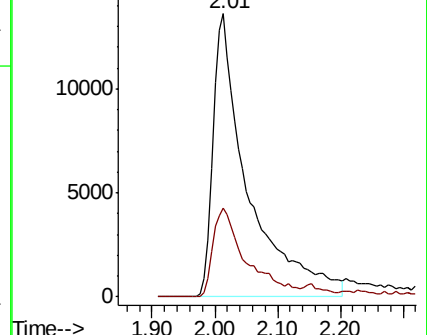
85 100

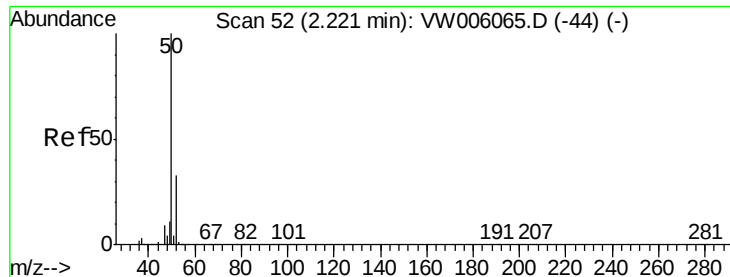
87 31.3 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 54.999 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

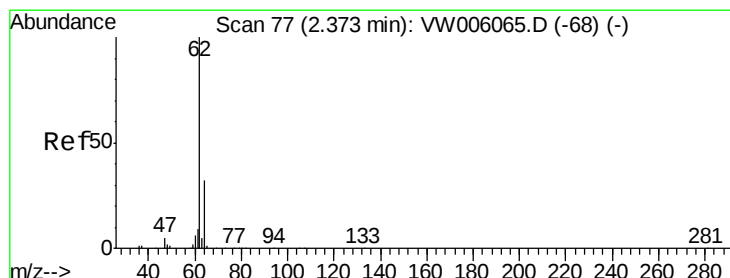
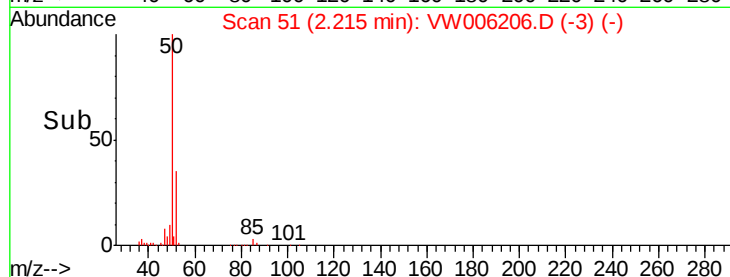
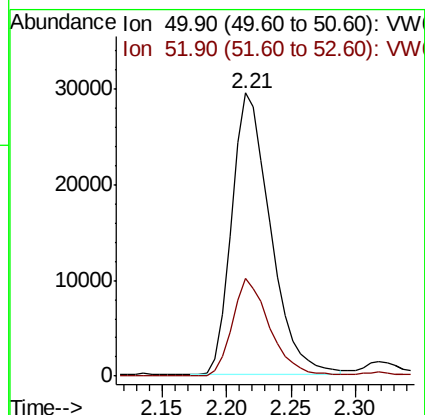
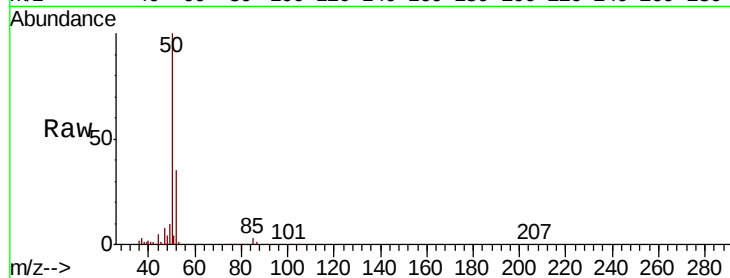
RLF-SD-5MSD

Tot Ion: 50 Resp: 61963

Ion Ratio Lower Upper

50 100

52 34.7 26.8 40.2



#4

Vinyl Chloride

Concen: 59.453 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006206.D

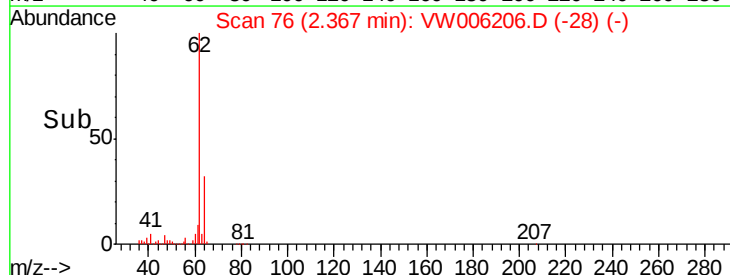
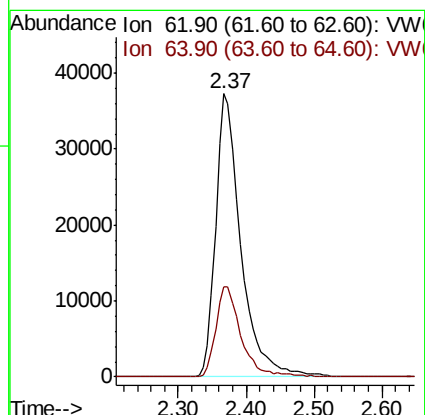
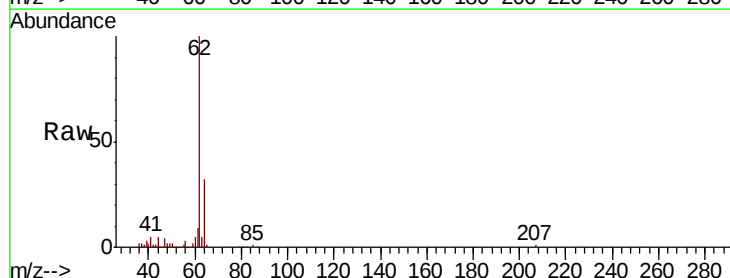
Acq: 19 Oct 2018 06:30

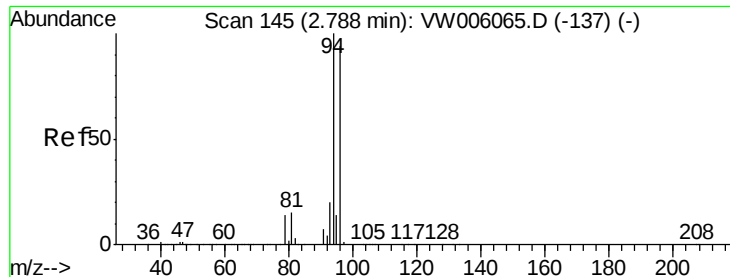
Tgt Ion: 62 Resp: 95654

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 37.106 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

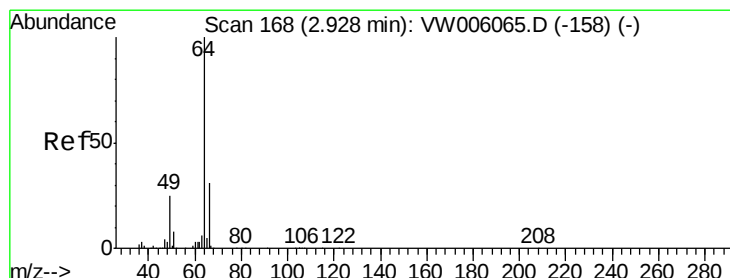
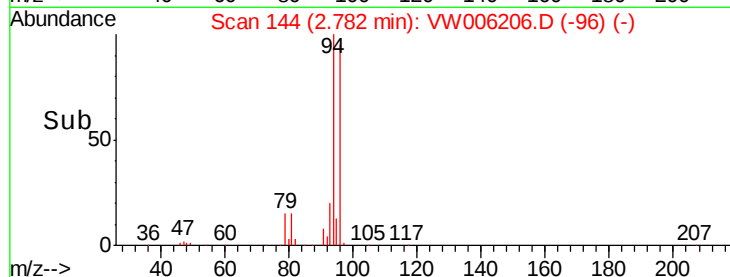
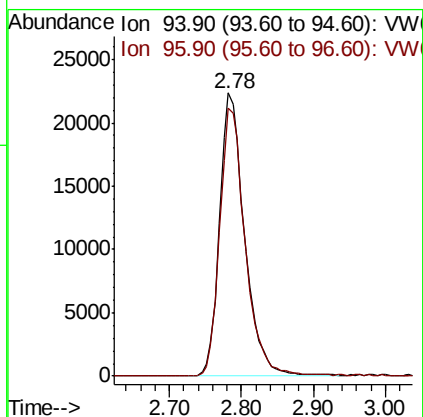
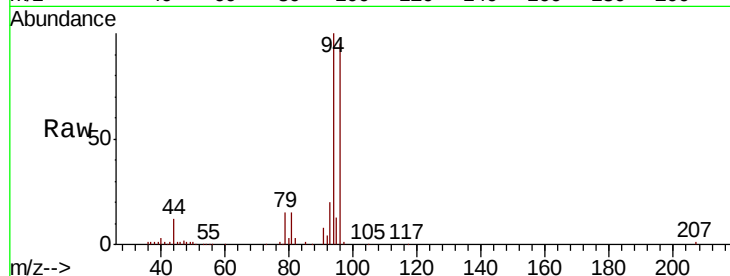
RLF-SD-5MSD

Tot Ion: 94 Resp: 54300

Ion Ratio Lower Upper

94 100

96 94.4 74.9 112.3



#6

Chloroethane

Concen: 58.585 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006206.D

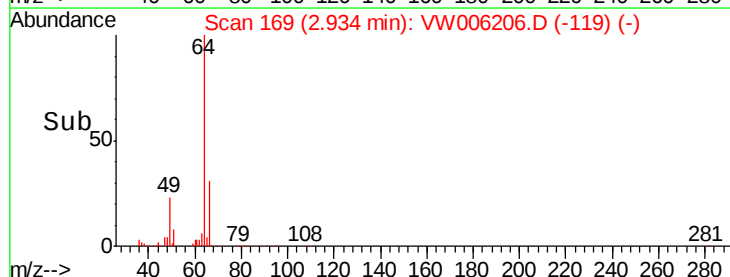
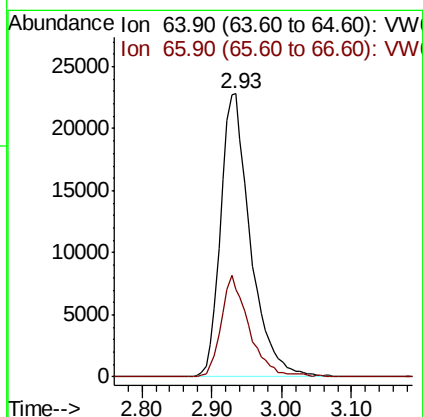
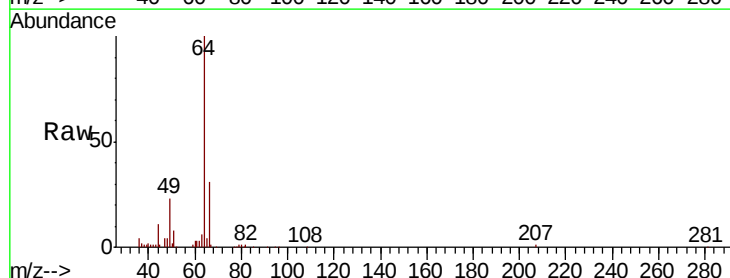
Acq: 19 Oct 2018 06:30

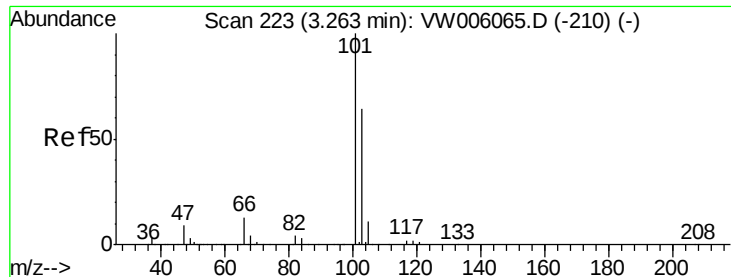
Tgt Ion: 64 Resp: 67548

Ion Ratio Lower Upper

64 100

66 30.7 24.9 37.3



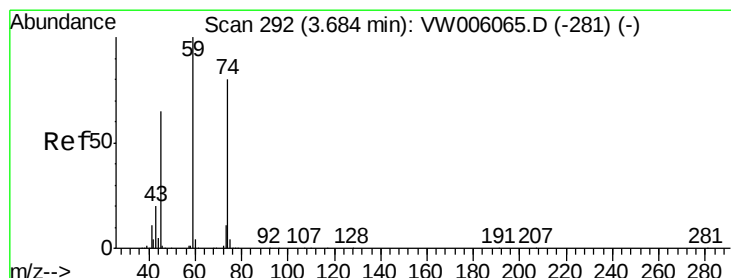
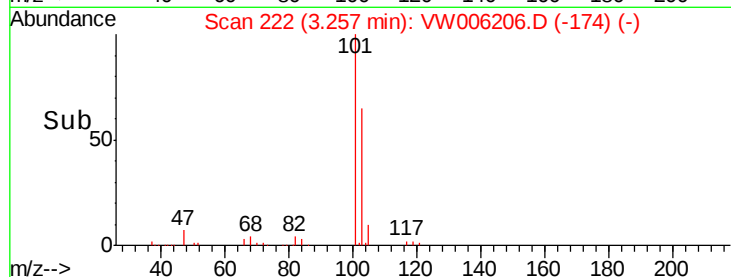
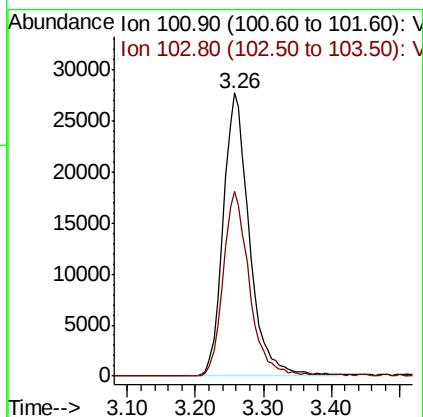
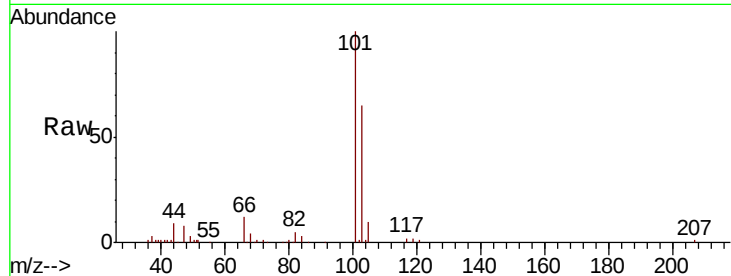


#7

Trichlorofluoromethane
 Concen: 49.310 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

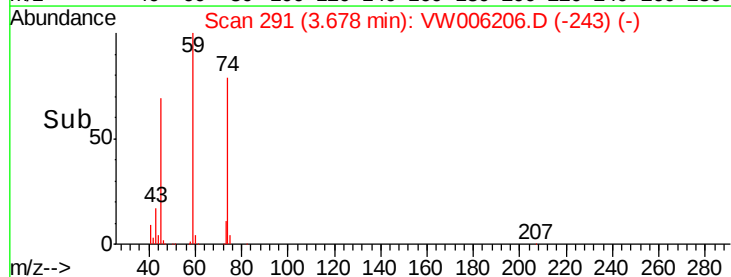
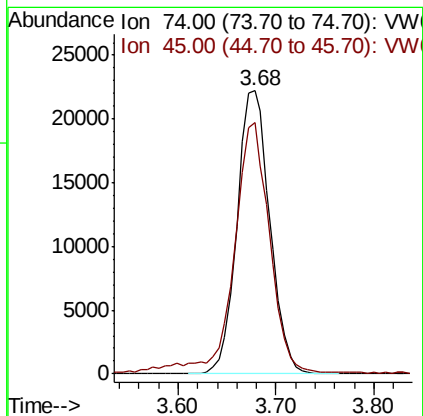
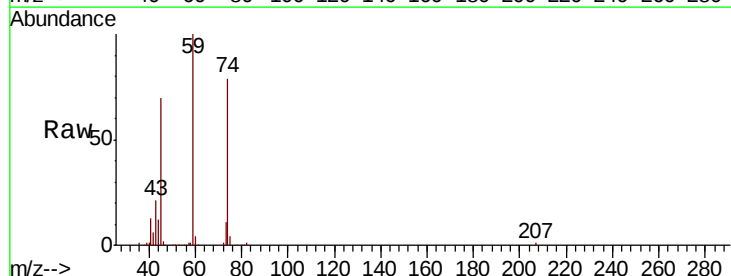
Tot Ion:101 Resp: 73907
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.2 76.8

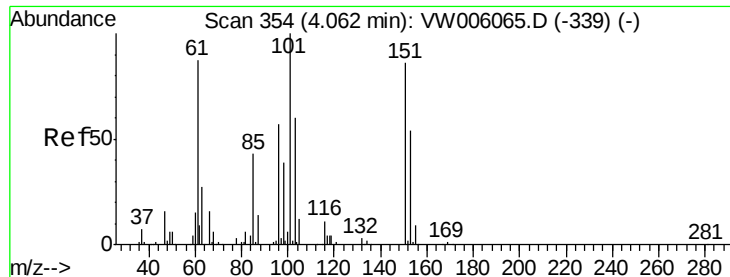


#8

Diethyl Ether
 Concen: 64.867 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion: 74 Resp: 51670
 Ion Ratio Lower Upper
 74 100
 45 95.3 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.598 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

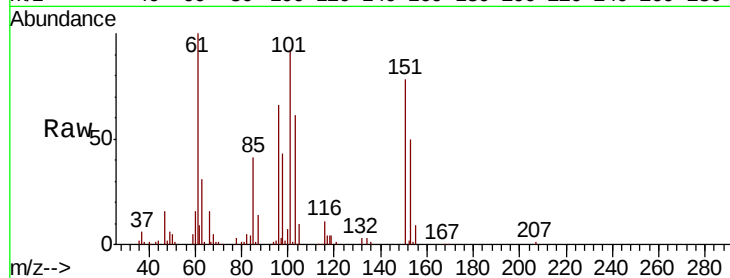
Tot Ion:101 Resp: 81047

Ion Ratio Lower Upper

101 100

85 42.9 34.9 52.3

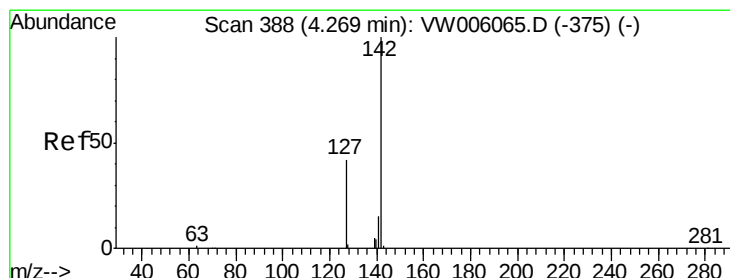
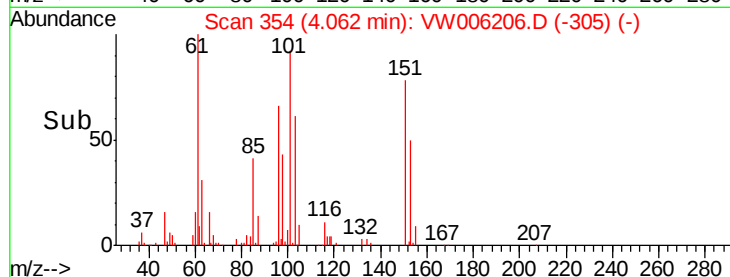
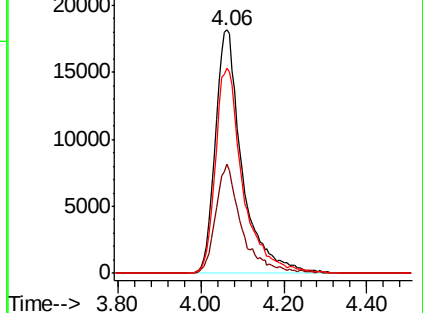
151 86.0 70.4 105.6



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: 23.915 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

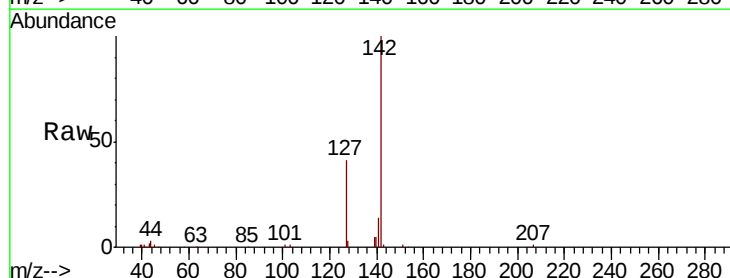
Tgt Ion:142 Resp: 62521

Ion Ratio Lower Upper

142 100

127 41.8 33.6 50.4

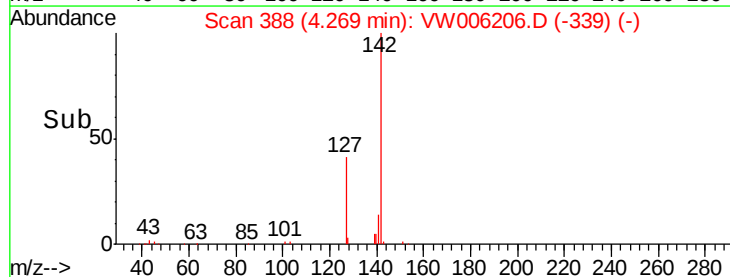
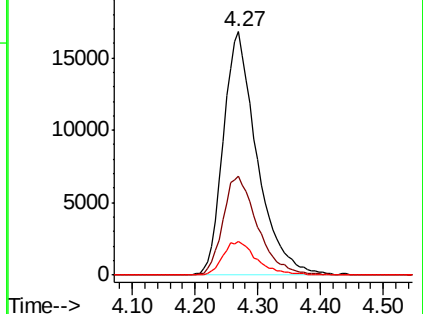
141 13.8 11.6 17.4

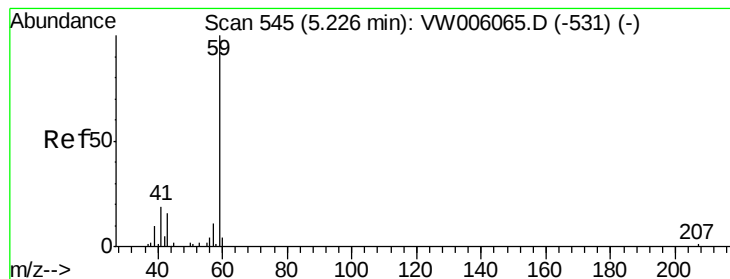


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 274.321 ug/l

RT: 5.22 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

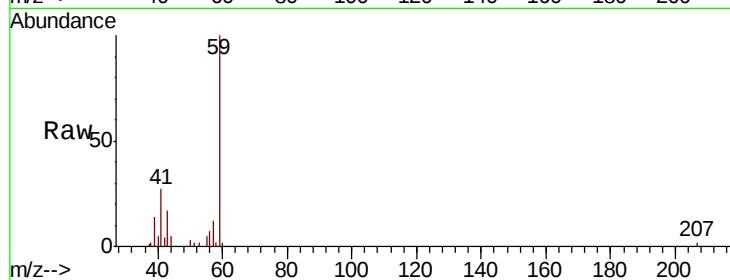
RLF-SD-5MSD

Tot Ion: 59 Resp: 27052

Ion Ratio Lower Upper

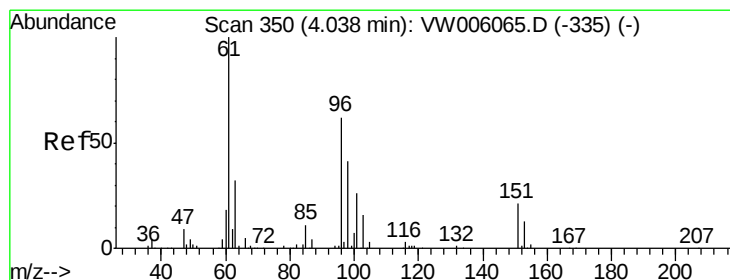
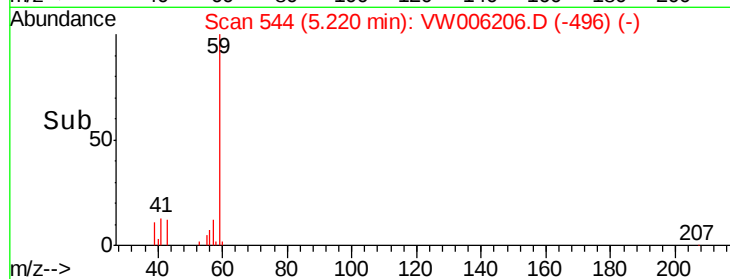
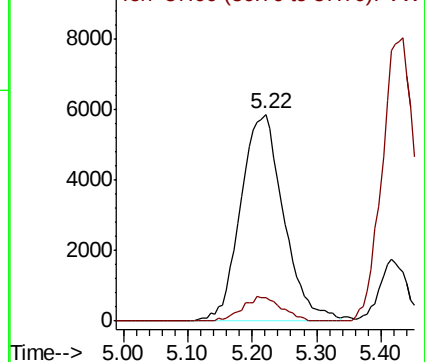
59 100

57 10.7 8.7 13.1



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 58.189 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

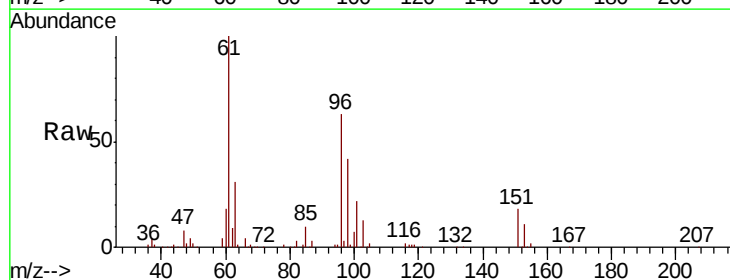
Tgt Ion: 96 Resp: 85989

Ion Ratio Lower Upper

96 100

61 159.9 129.3 193.9

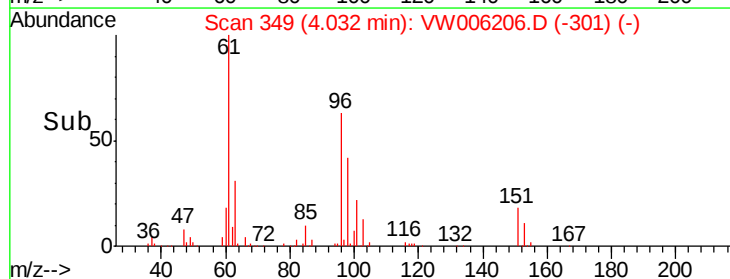
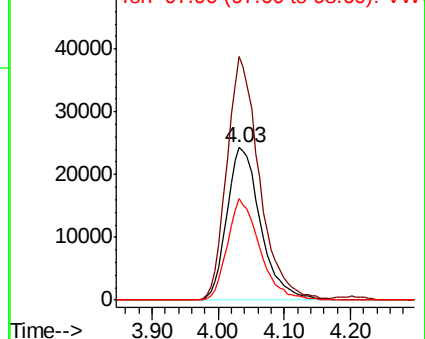
98 66.4 53.1 79.7

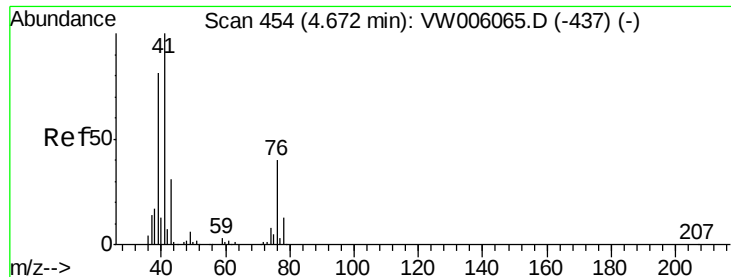


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

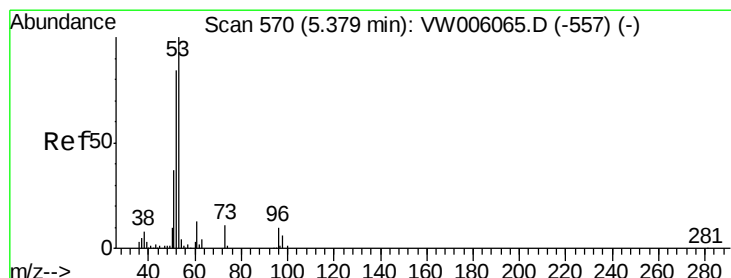
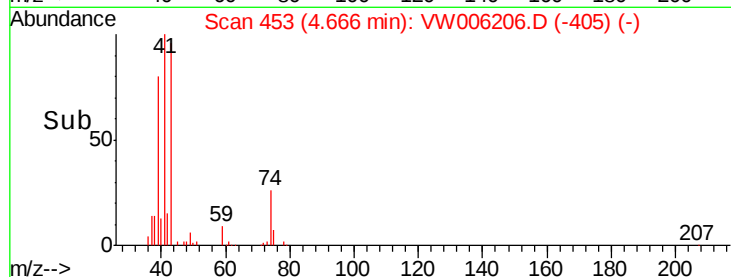
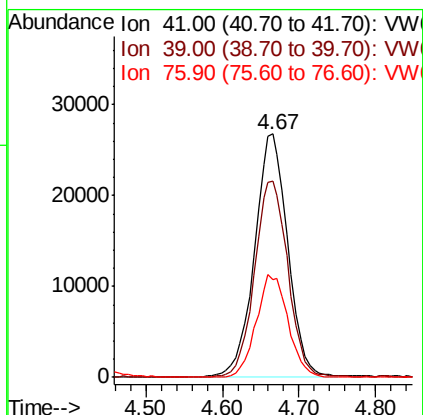
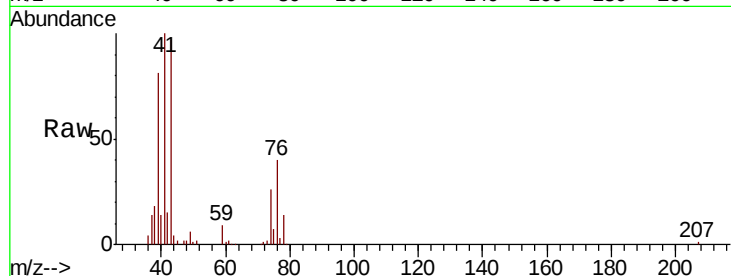




#14
Allvl chloride
Concen: 38.413 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

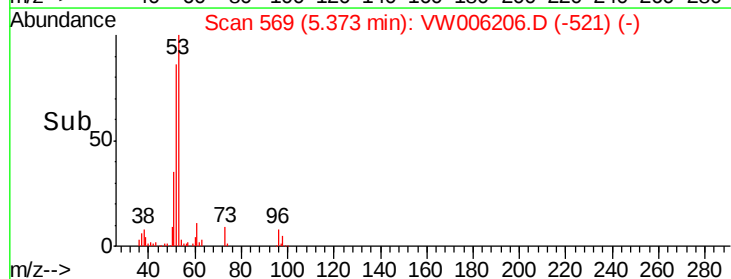
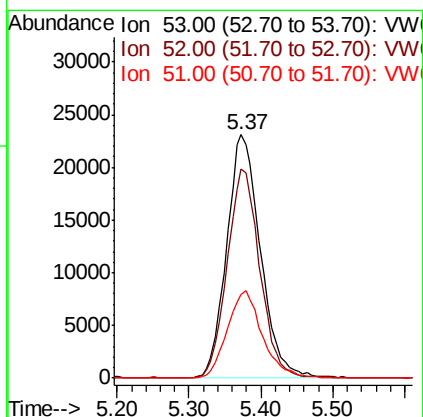
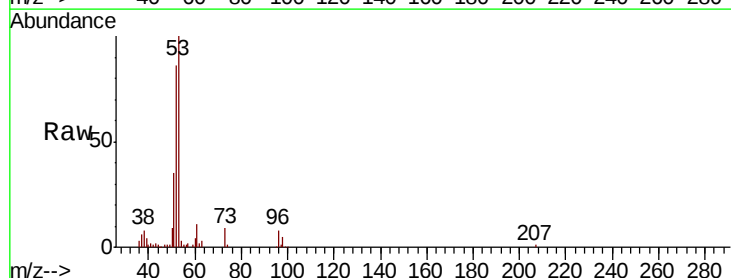
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

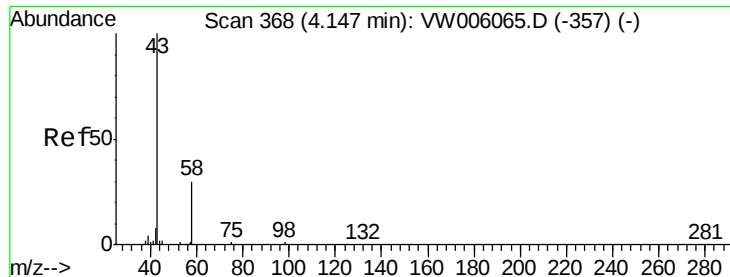
Tot Ion: 41 Resp: 81165
Ion Ratio Lower Upper
41 100
39 80.6 64.1 96.1
76 40.2 32.2 48.4



#15
Acrylonitrile
Concen: 263.884 ug/l
RT: 5.37 min Scan# 569
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 53 Resp: 75393
Ion Ratio Lower Upper
53 100
52 83.2 66.9 100.3
51 37.4 30.1 45.1





#16

Acetone

Concen: 269.670 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

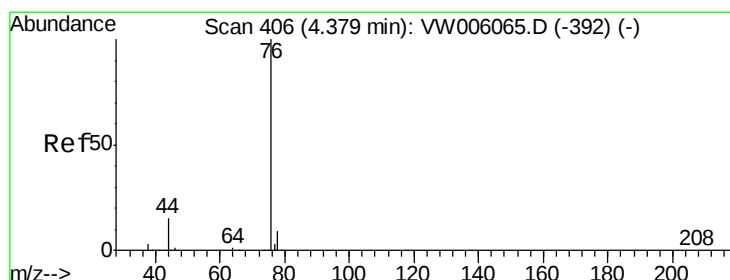
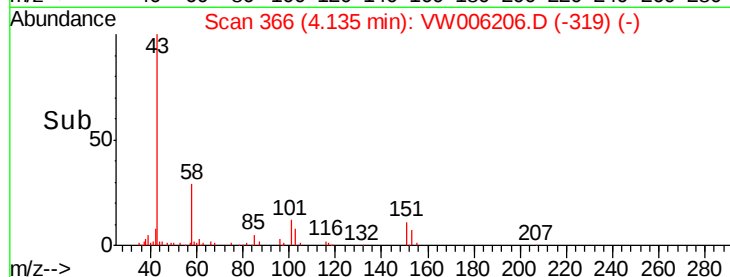
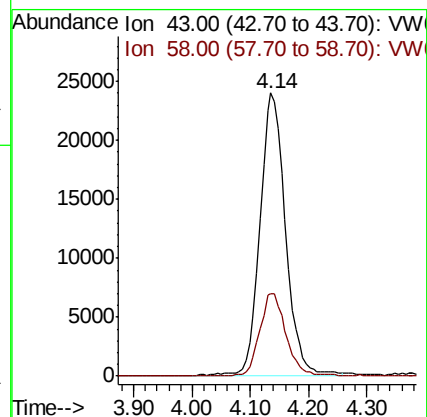
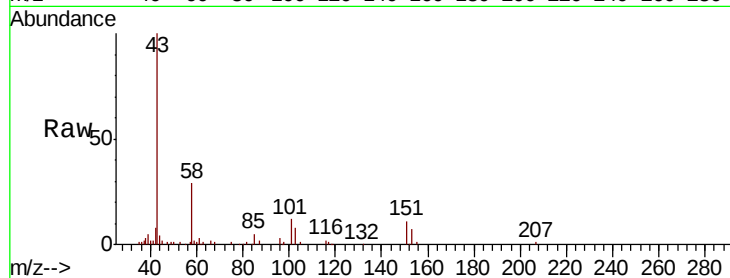
RLF-SD-5MSD

Tot Ion: 43 Resp: 73862

Ion Ratio Lower Upper

43 100

58 29.3 24.0 36.0



#17

Carbon Disulfide

Concen: 26.618 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006206.D

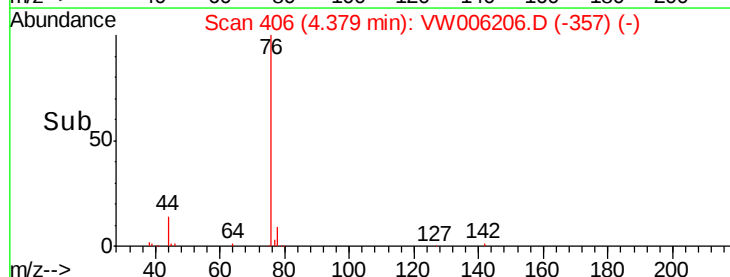
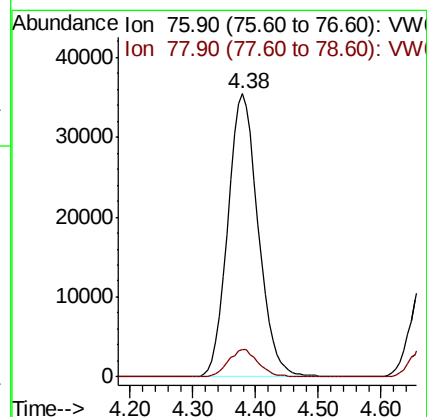
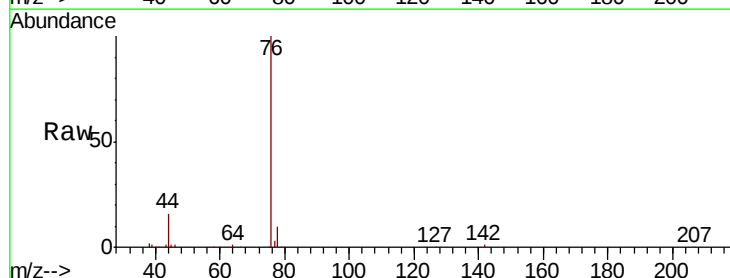
Acq: 19 Oct 2018 06:30

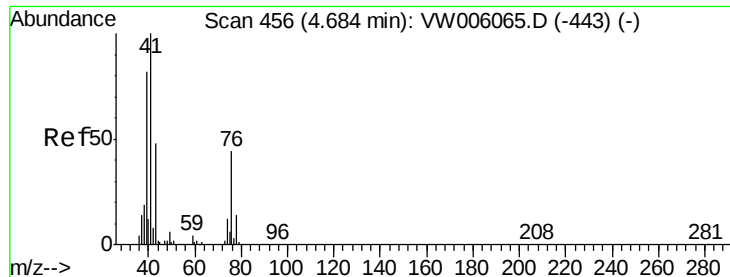
Tgt Ion: 76 Resp: 118715

Ion Ratio Lower Upper

76 100

78 9.8 7.5 11.3

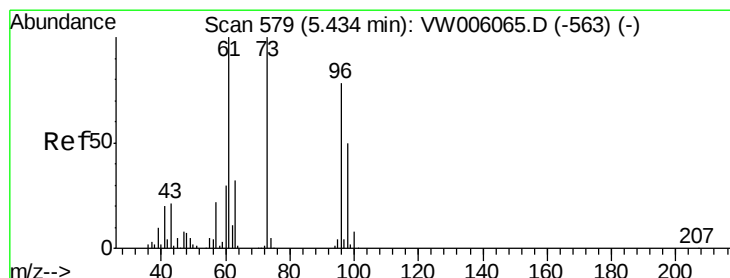
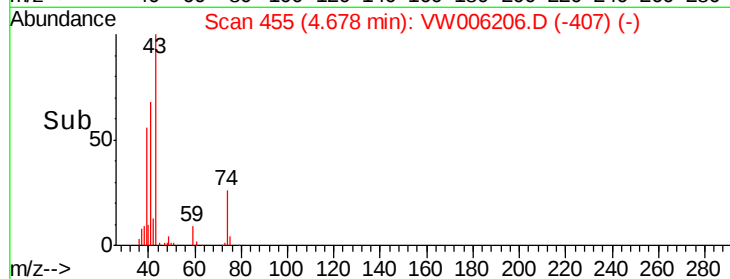
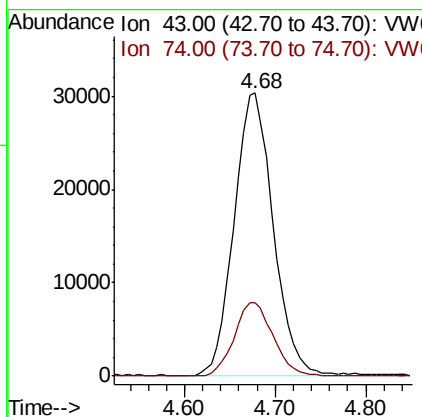
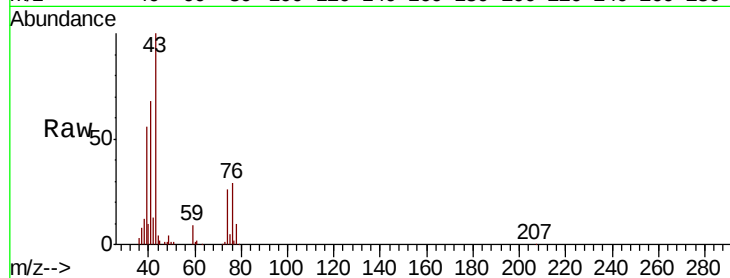




#18
Methyl Acetate
Concen: 122.172 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

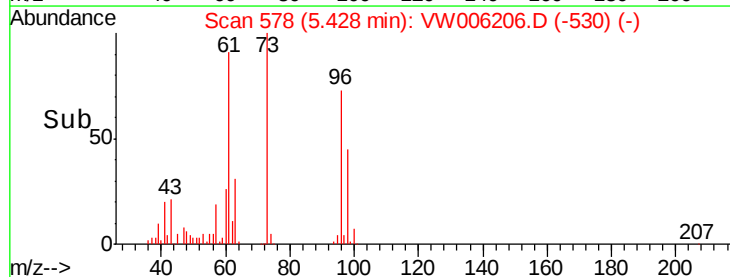
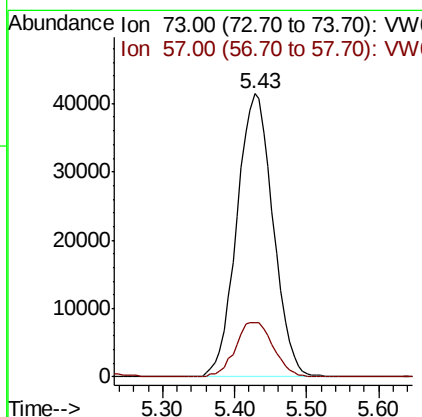
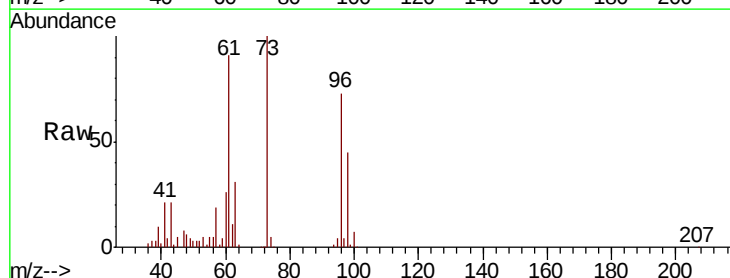
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

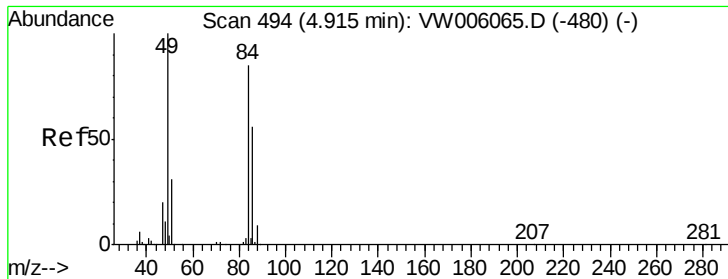
Tot Ion: 43 Resp: 90151
Ion Ratio Lower Upper
43 100
74 26.1 20.5 30.7



#19
Methyl tert-butyl Ether
Concen: 64.315 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 73 Resp: 144758
Ion Ratio Lower Upper
73 100
57 19.1 17.4 26.2





#20

Methylene Chloride

Concen: 66.930 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

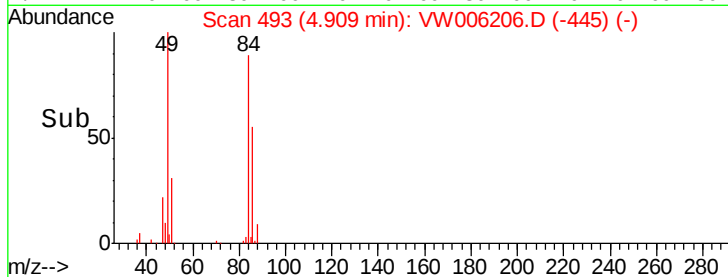
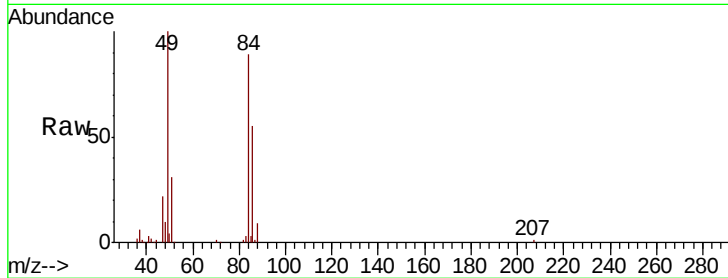
MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tot Ion: 84 Resp: 102987

Ion	Ratio	Lower	Upper
84	100		
49	112.4	93.6	140.4
51	34.8	29.0	43.4
86	62.0	52.6	79.0

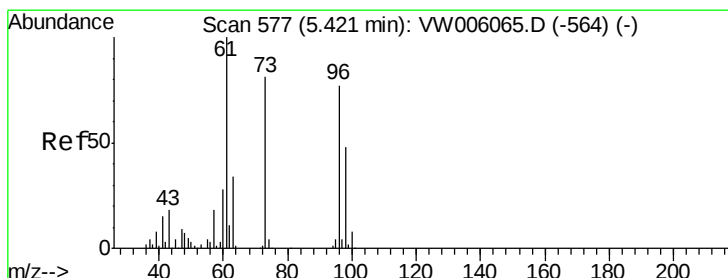


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 58.282 ug/l

RT: 5.42 min Scan# 577

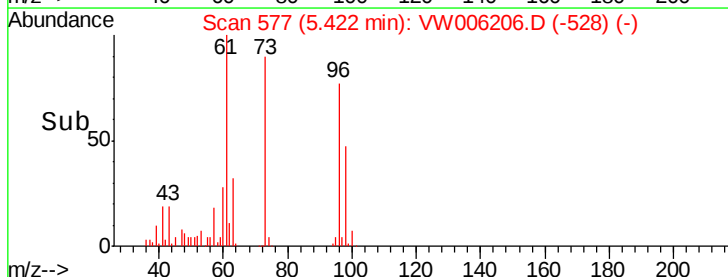
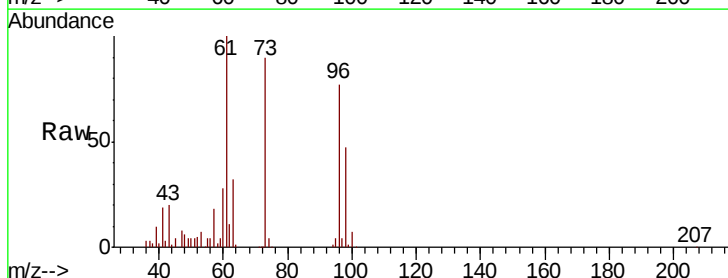
Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Tgt Ion: 96 Resp: 96134

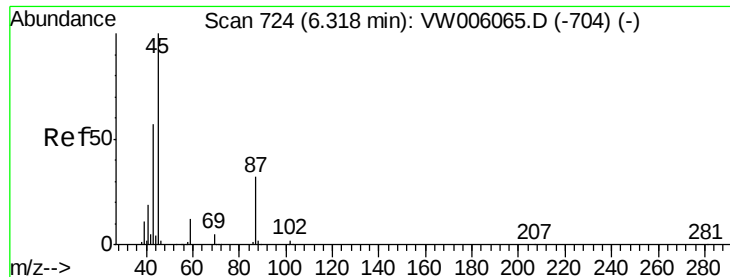
Ion	Ratio	Lower	Upper
96	100		
61	130.2	104.5	156.7
98	61.1	50.6	75.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

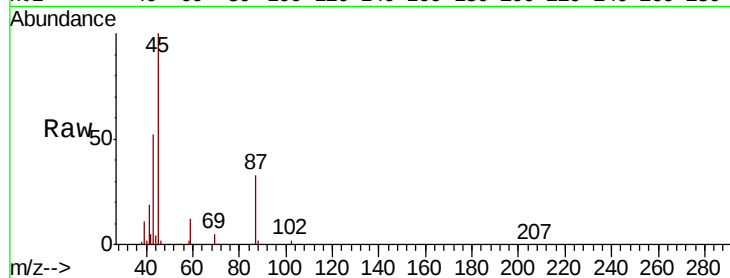


#22

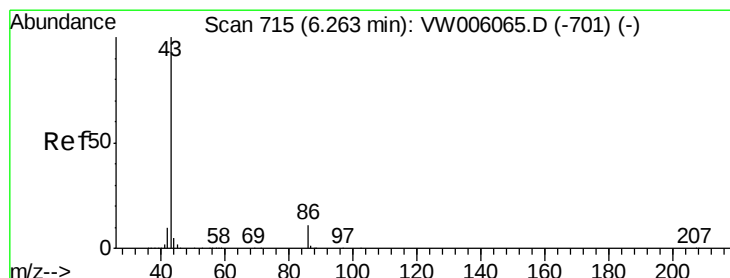
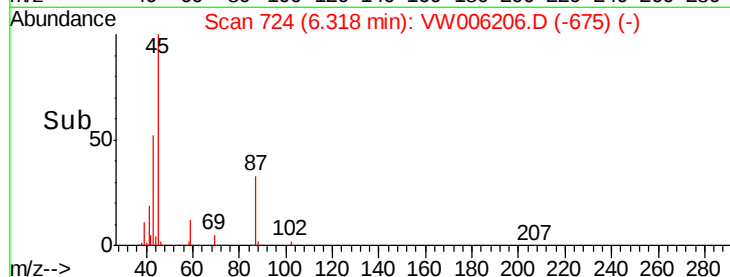
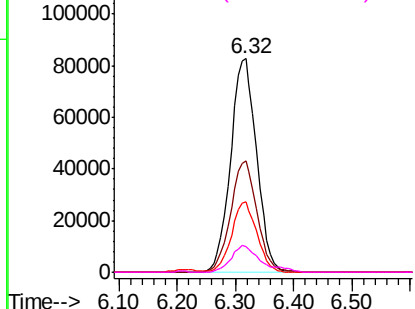
Diisopropyl ether
 Concen: 61.443 ug/l
 RT: 6.32 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tot Ion:	45	Resp:	256557
Ion	Ratio	Lower	Upper
45	100		
43	51.9	45.7	68.5
87	32.7	25.9	38.9
59	12.1	9.6	14.4



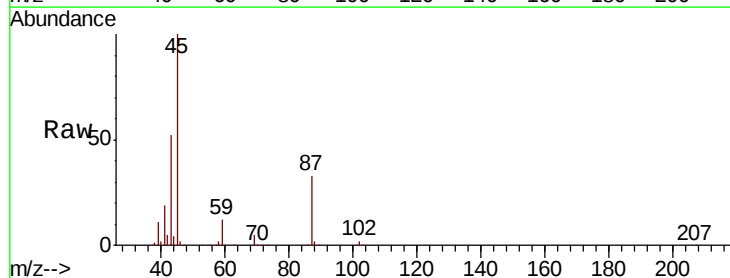
Abundance Ion 45.00 (44.70 to 45.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 87.00 (86.70 to 87.70): VW
 Ion 59.00 (58.70 to 59.70): VW



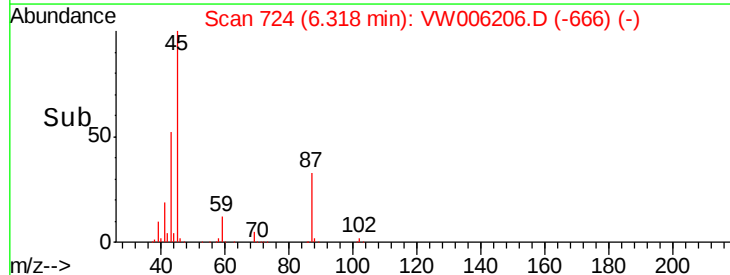
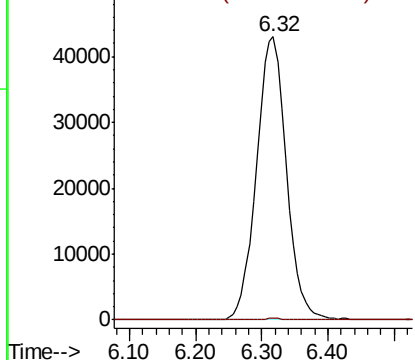
#23

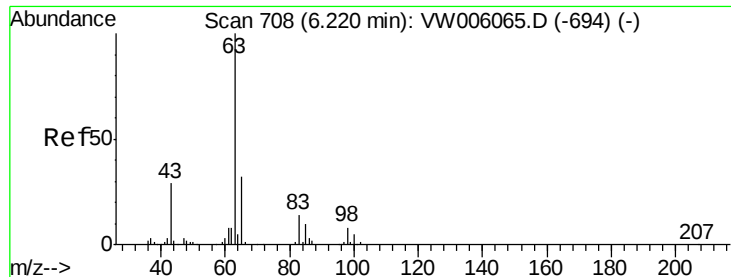
Vinyl Acetate
 Concen: 54.930 ug/l
 RT: 6.32 min Scan# 724
 Delta R.T. 0.05 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion:	43	Resp:	135358
Ion	Ratio	Lower	Upper
43	100		
86	0.5	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: 62.106 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

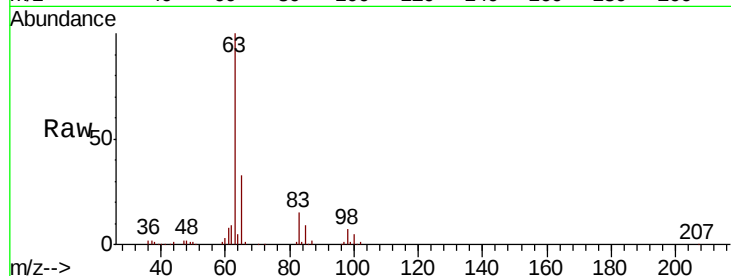
Tot Ion: 63 Resp: 167330

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

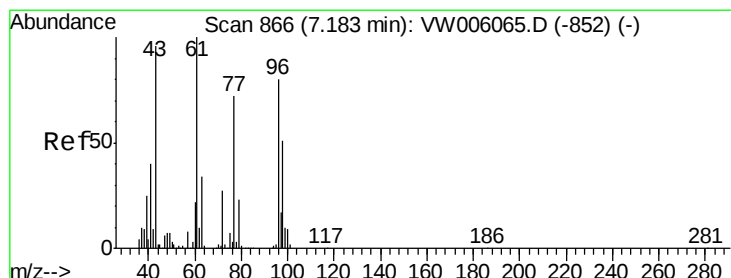
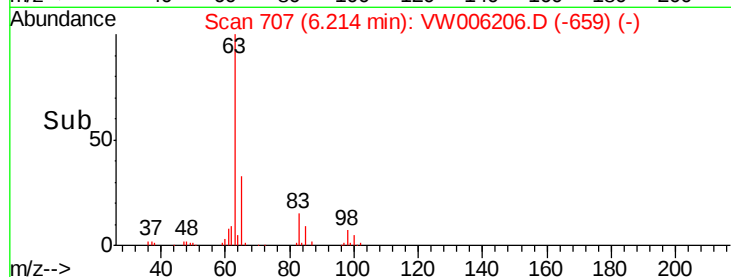
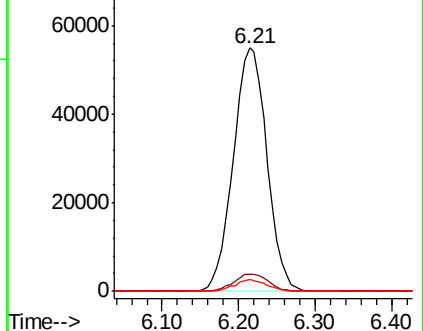
100 4.7 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 258.174 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006206.D

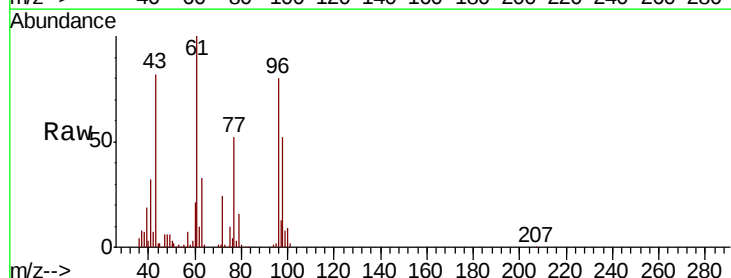
Acq: 19 Oct 2018 06:30

Tgt Ion: 43 Resp: 102267

Ion Ratio Lower Upper

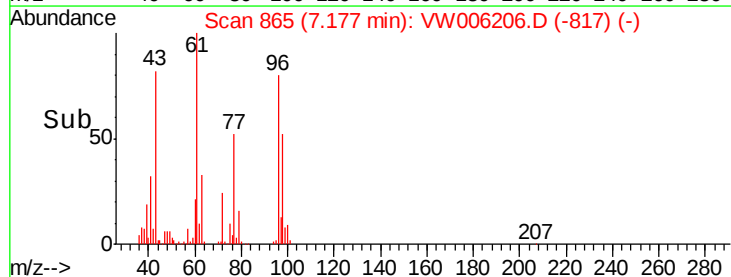
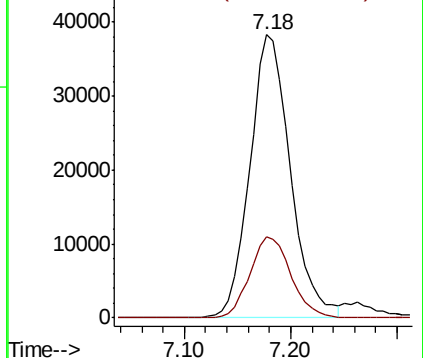
43 100

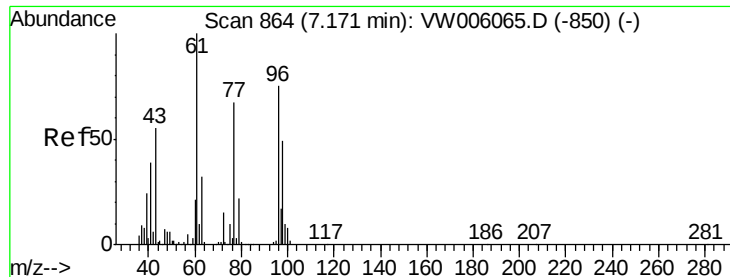
72 28.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 42.646 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

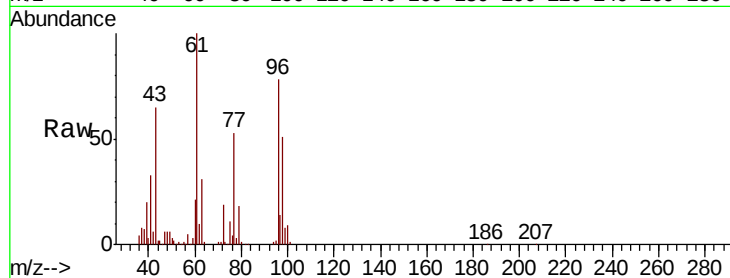
RLF-SD-5MSD

Tot Ion: 77 Resp: 81038

Ion Ratio Lower Upper

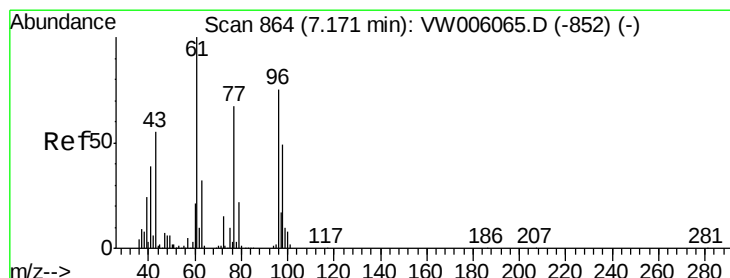
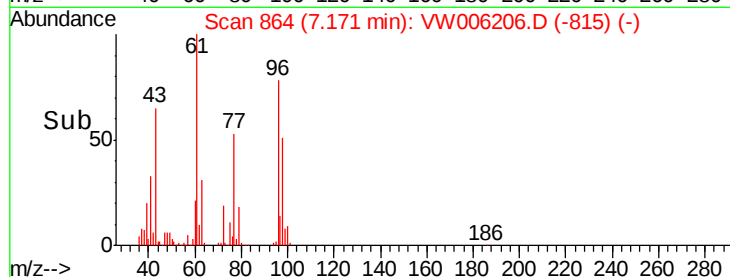
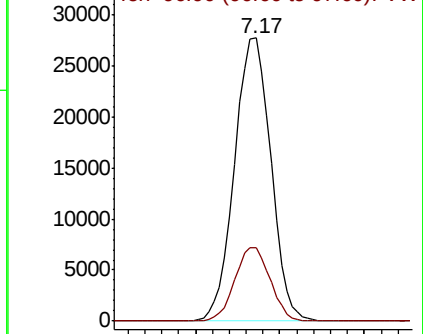
77 100

97 25.4 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: 59.640 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

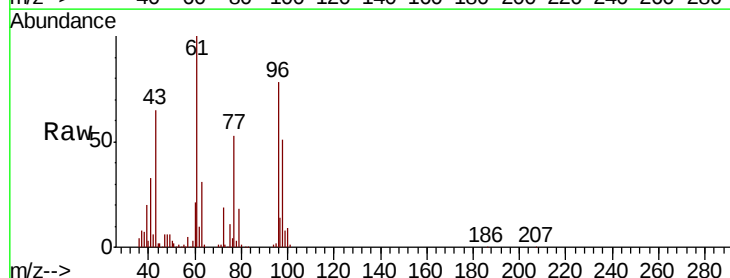
Tgt Ion: 96 Resp: 108558

Ion Ratio Lower Upper

96 100

61 129.3 0.0 267.2

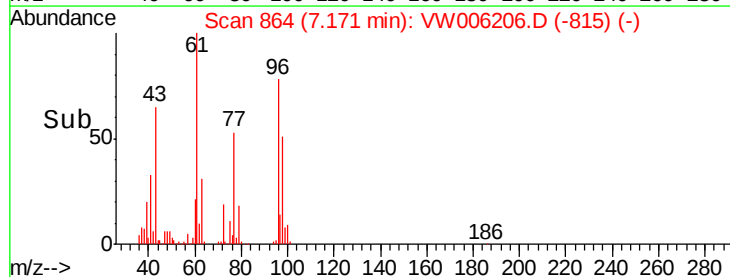
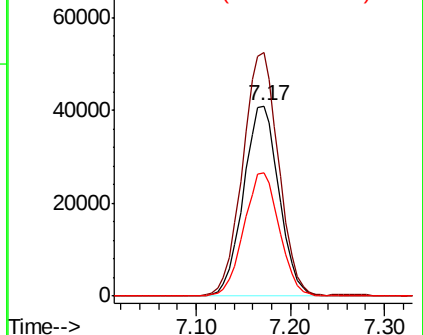
98 64.8 0.0 128.6

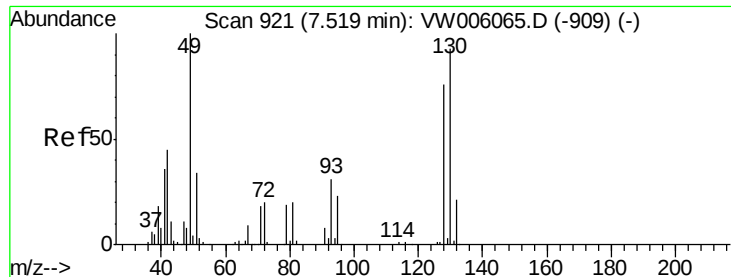


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

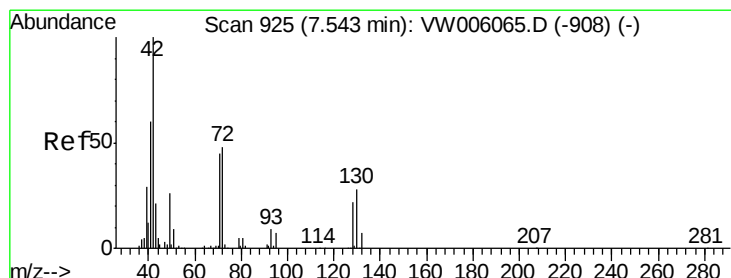
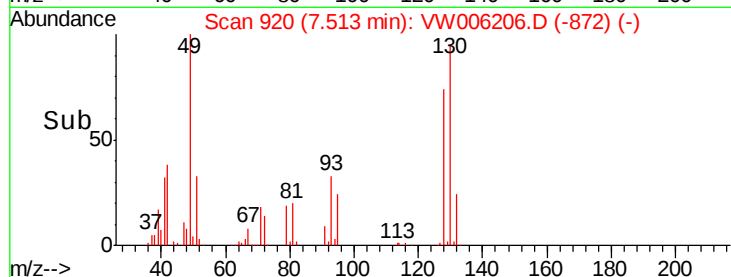
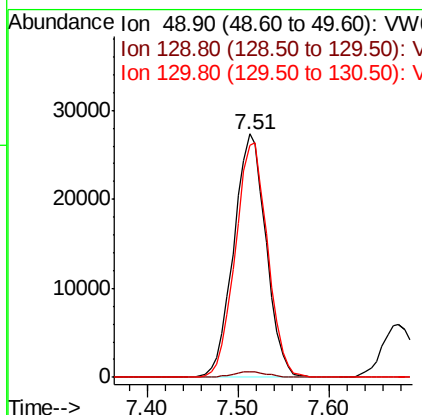
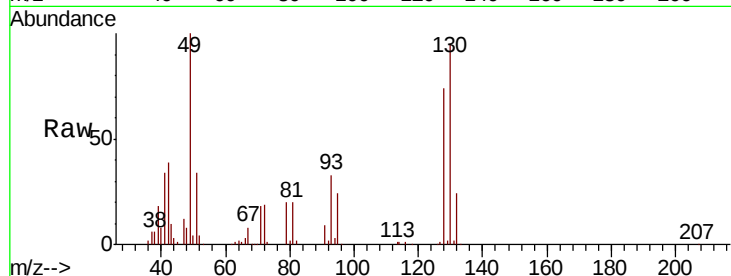




#28
 Bromochloromethane
 Concen: 64.983 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

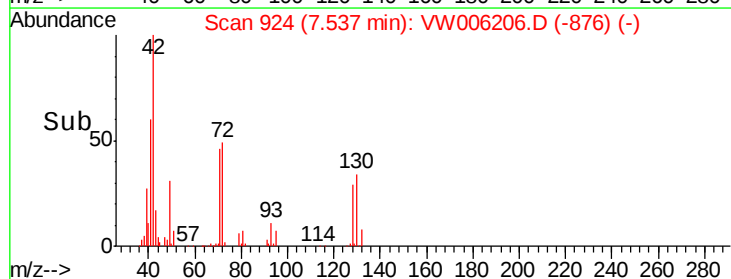
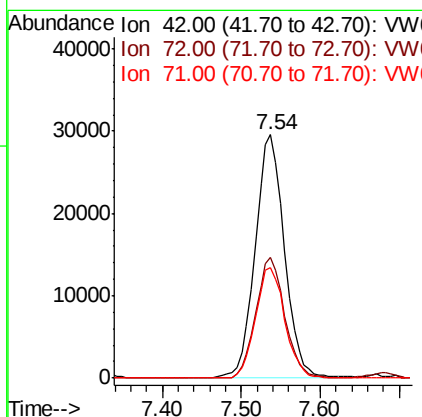
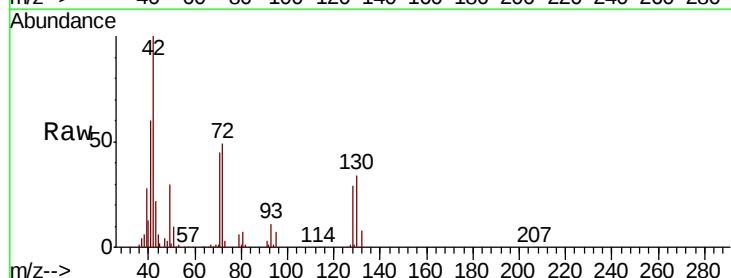
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

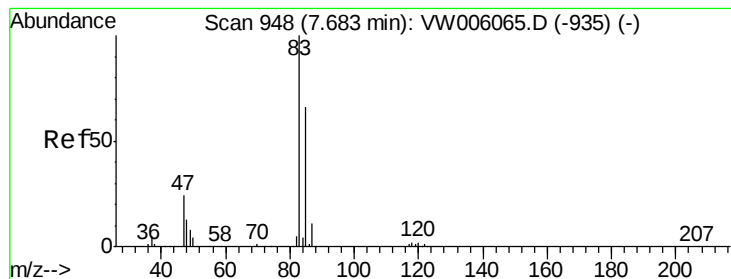
Tot Ion: 49 Resp: 67592
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 5.0
 130 95.9 73.8 110.8



#29
 Tetrahydrofuran
 Concen: 312.895 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion: 42 Resp: 76185
 Ion Ratio Lower Upper
 42 100
 72 48.7 38.0 57.0
 71 45.5 35.3 52.9





#30

Chloroform

Concen: 61.566 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

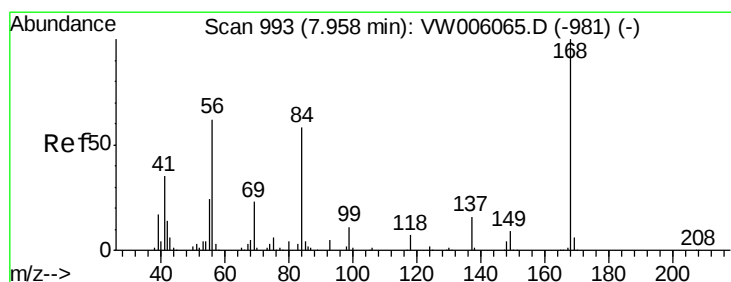
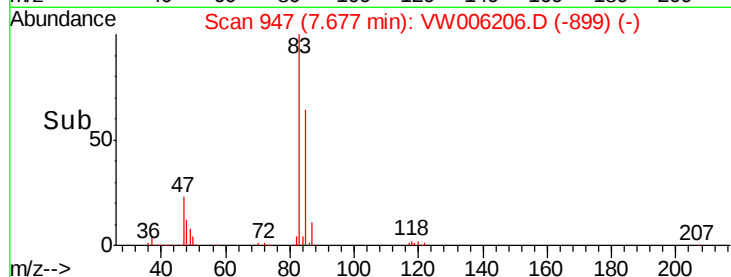
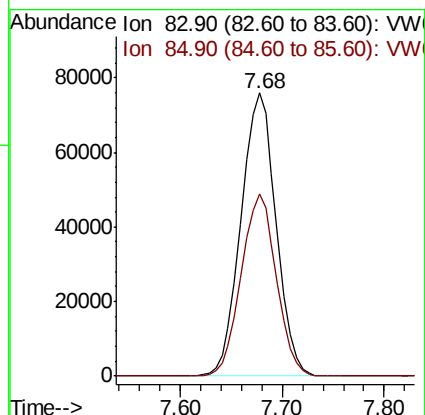
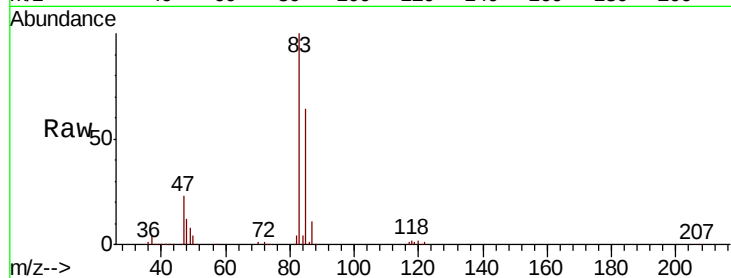
RLF-SD-5MSD

Tot Ion: 83 Resp: 180724

Ion Ratio Lower Upper

83 100

85 64.3 52.6 79.0



#31

Cyclohexane

Concen: 38.477 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

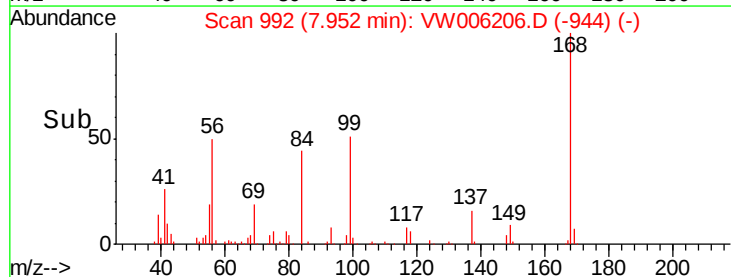
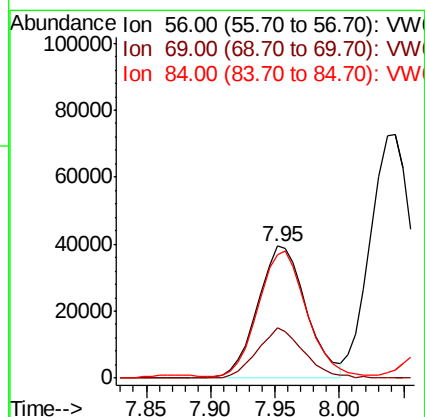
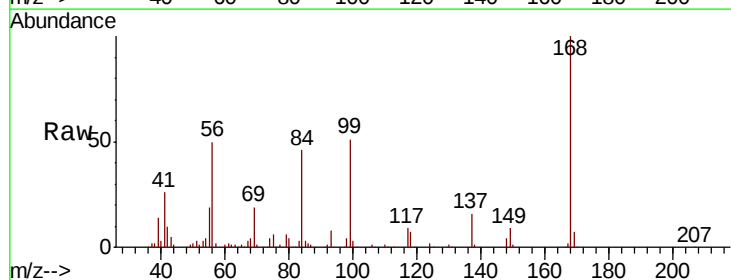
Tgt Ion: 56 Resp: 103237

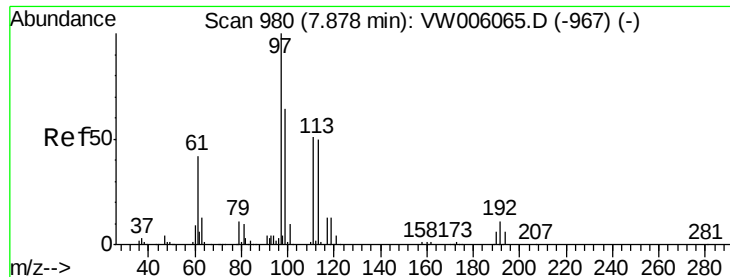
Ion Ratio Lower Upper

56 100

69 38.0 29.4 44.0

84 91.2 74.0 111.0





#32

1,1,1-Trichloroethane

Concen: 53.168 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

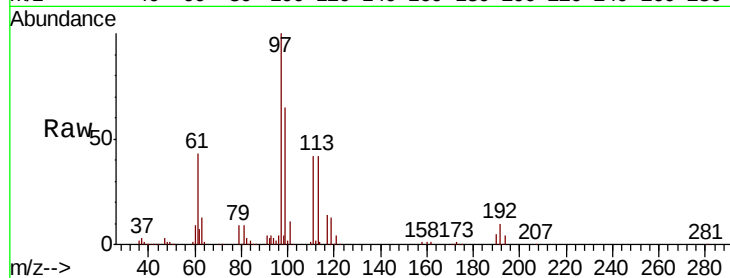
Tot Ion: 97 Resp: 140786

Ion Ratio Lower Upper

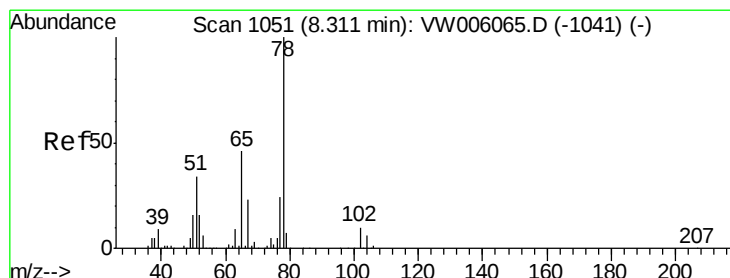
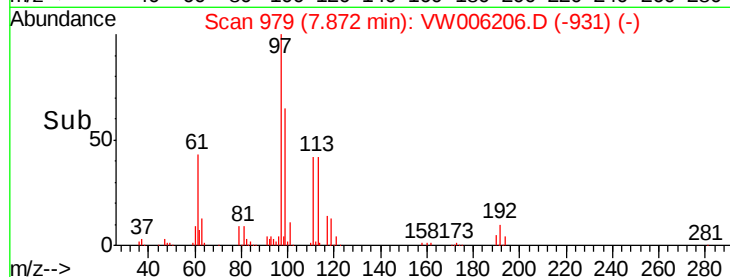
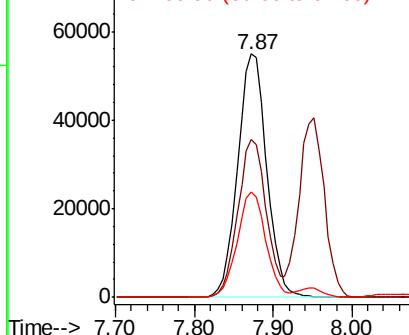
97 100

99 64.4 50.9 76.3

61 42.7 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: 55.117 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006206.D

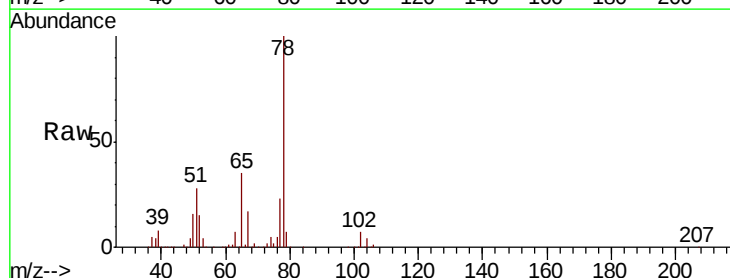
Acq: 19 Oct 2018 06:30

Tgt Ion: 65 Resp: 80818

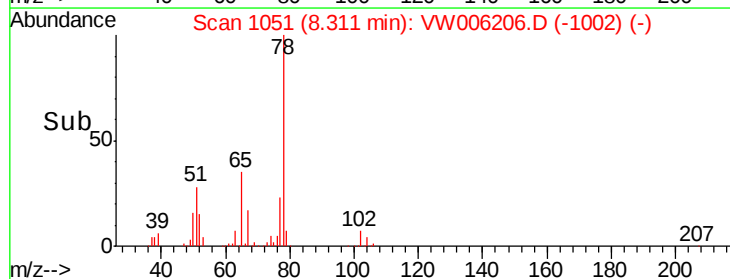
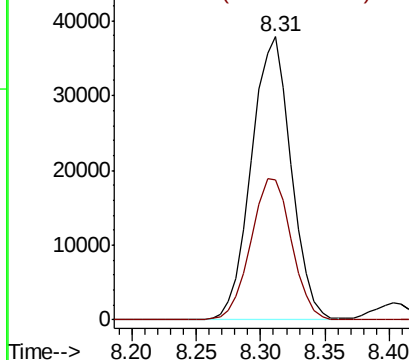
Ion Ratio Lower Upper

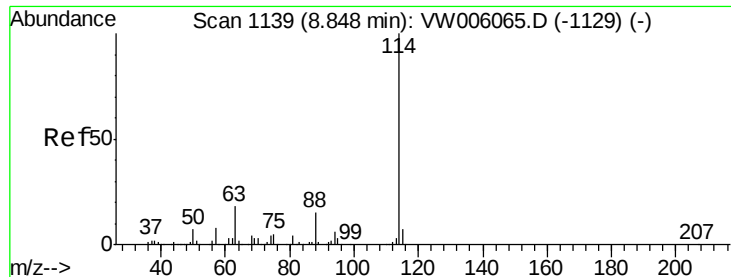
65 100

67 51.4 0.0 101.0



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

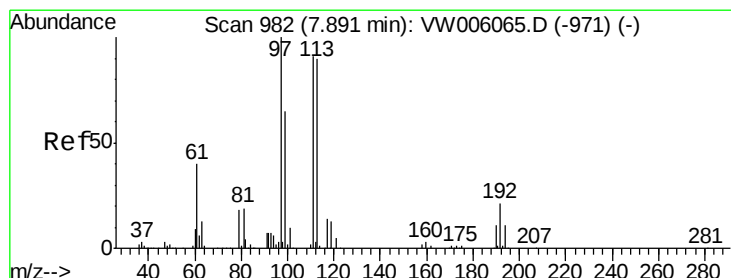
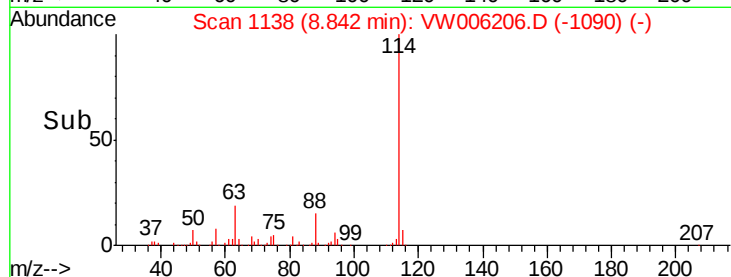
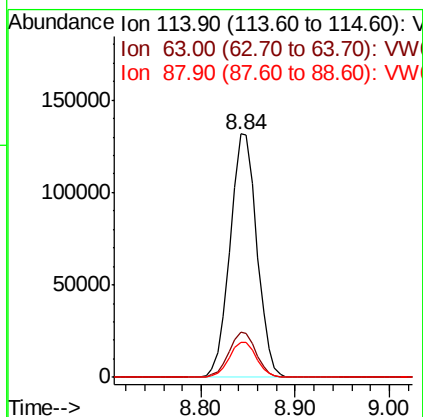
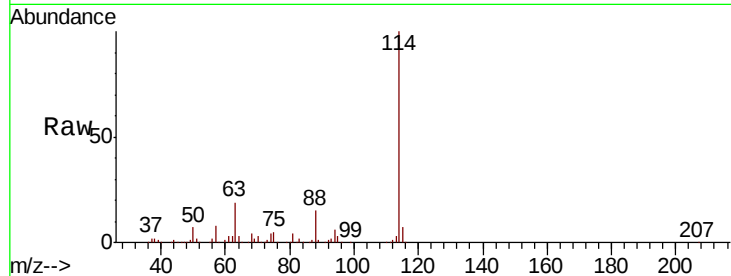




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

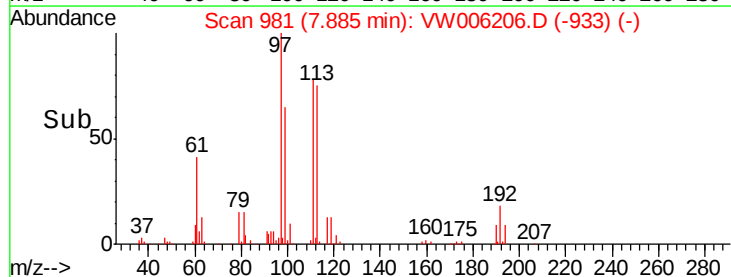
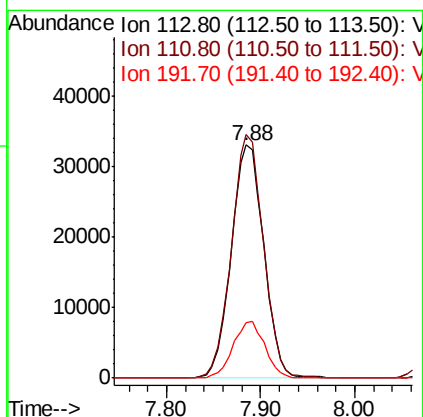
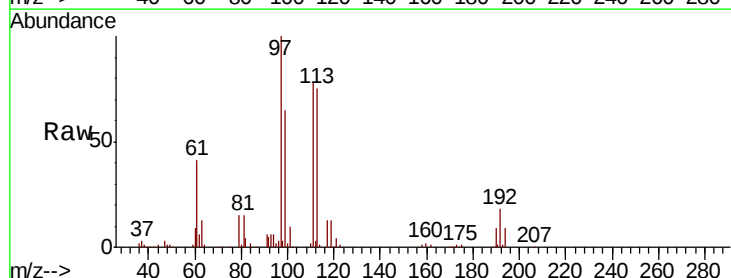
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

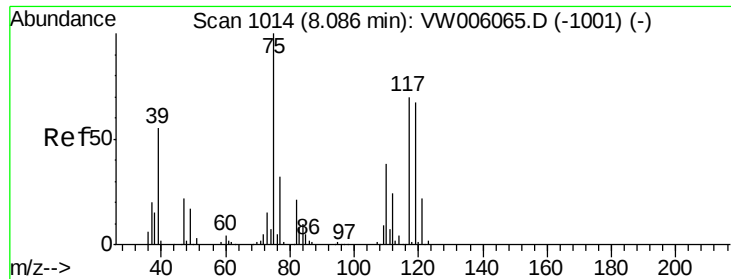
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	36.8
88	14.6	0.0	29.0



#35
Dibromofluoromethane
Concen: 51.275 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	23.5	18.7	28.1

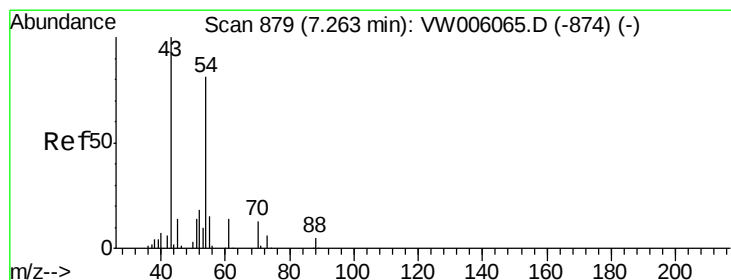
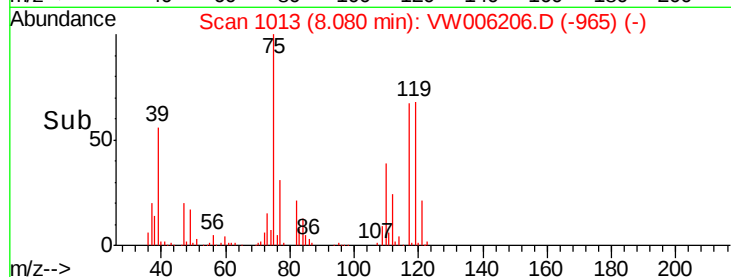
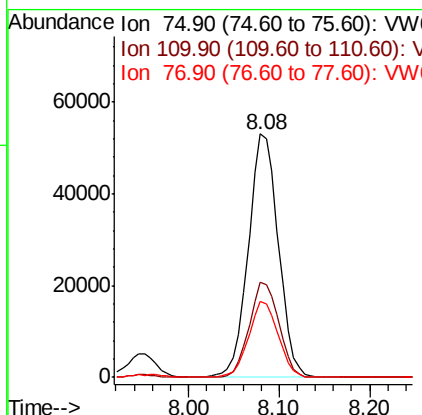
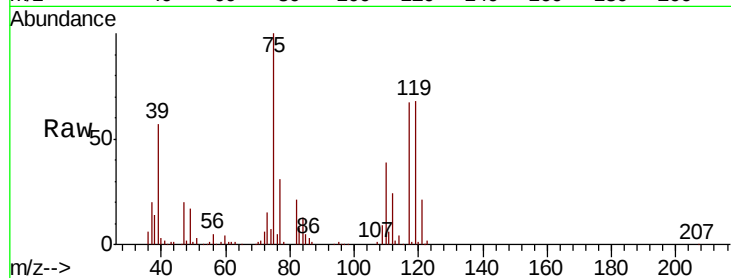




#36
 1,1-Dichloropropene
 Concen: 50.562 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

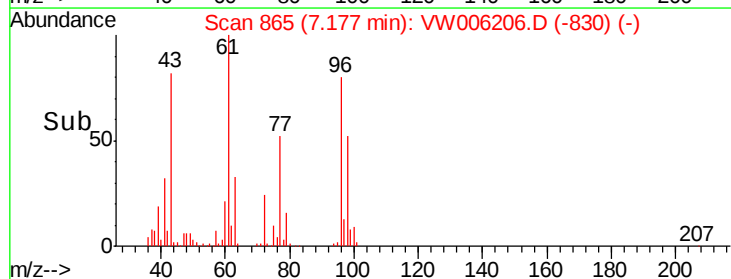
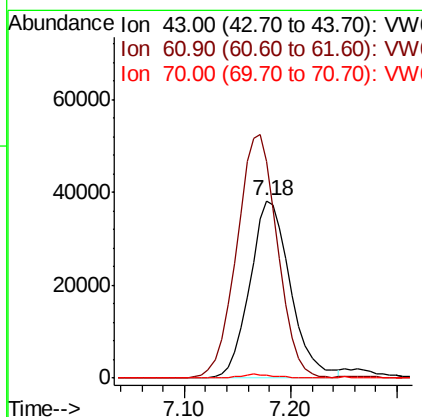
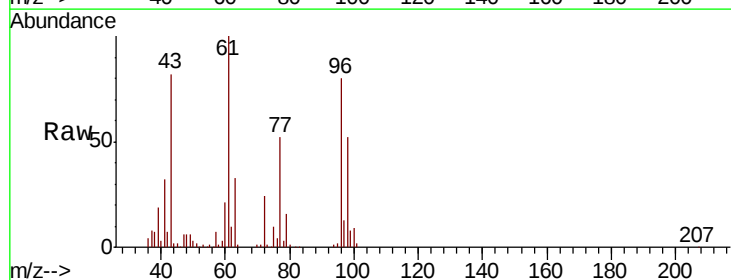
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

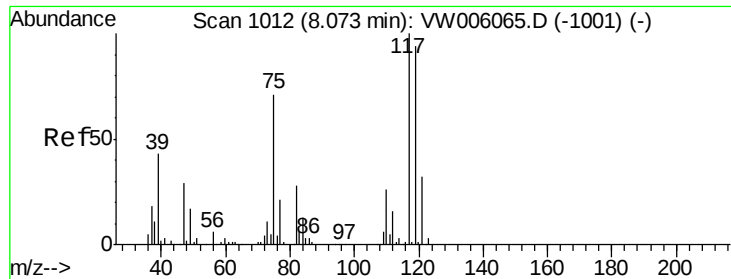
Tot Ion: 75 Resp: 121602
 Ion Ratio Lower Upper
 75 100
 110 38.5 19.1 57.1
 77 30.7 25.0 37.4



#37
 Ethyl Acetate
 Concen: 114.450 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.09 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion: 43 Resp: 102267
 Ion Ratio Lower Upper
 43 100
 61 137.2 11.5 17.3#
 70 2.0 9.2 13.8#

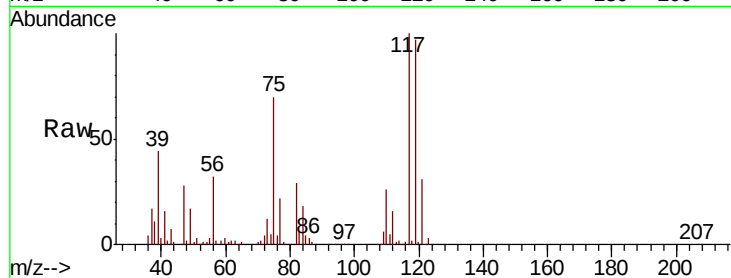




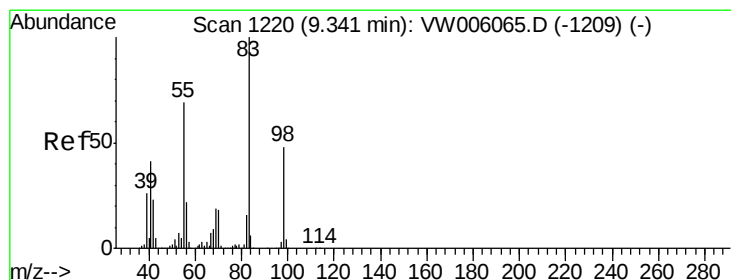
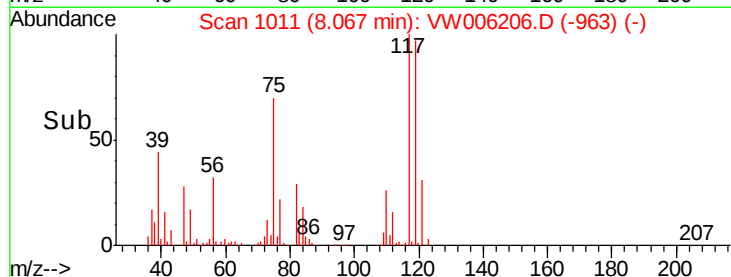
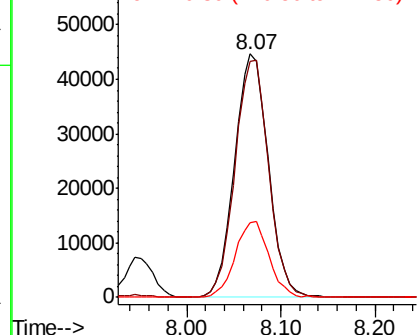
#38
Carbon Tetrachloride
Concen: 42.299 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

Tot Ion:117 Resp: 111519
Ion Ratio Lower Upper
117 100
119 97.1 75.2 112.8
121 30.8 25.3 37.9

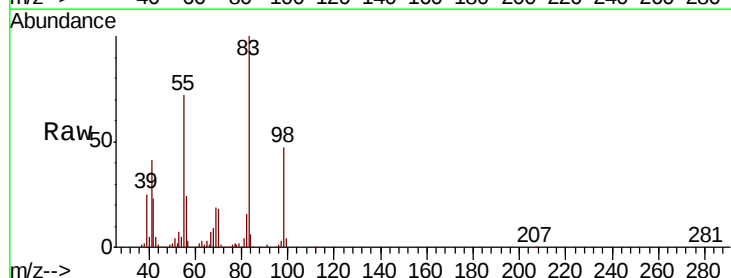


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

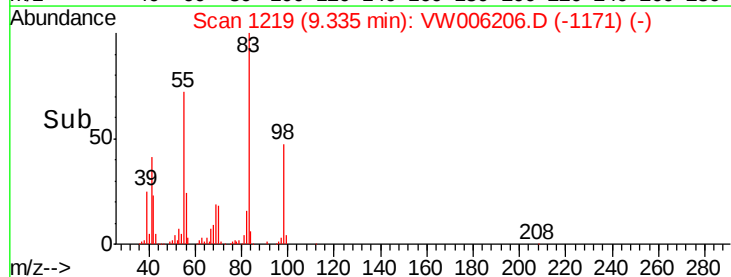
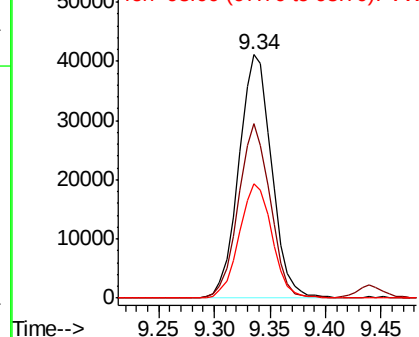


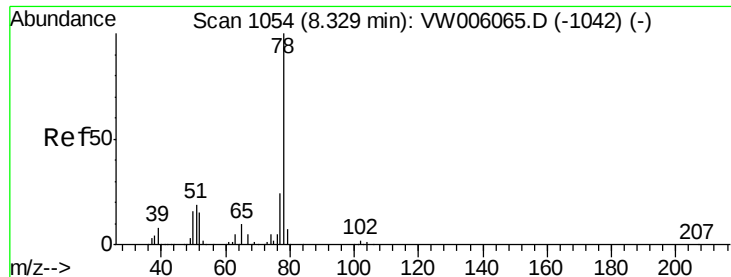
#39
Methylcyclohexane
Concen: 26.229 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 83 Resp: 83850
Ion Ratio Lower Upper
83 100
55 71.5 55.0 82.6
98 46.8 38.6 57.8



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 56.116 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

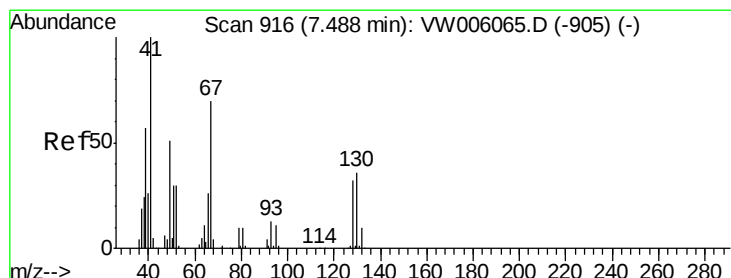
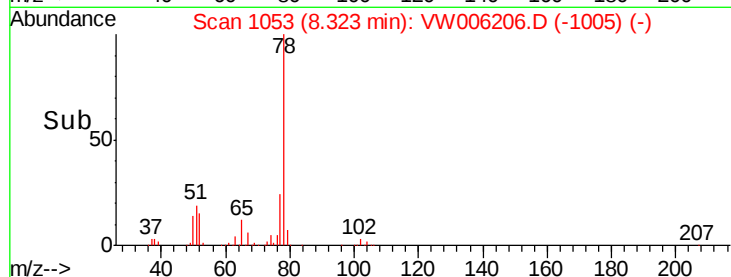
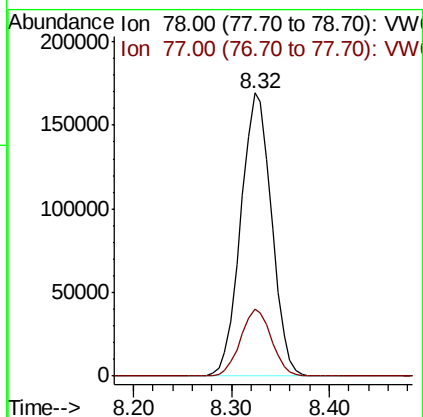
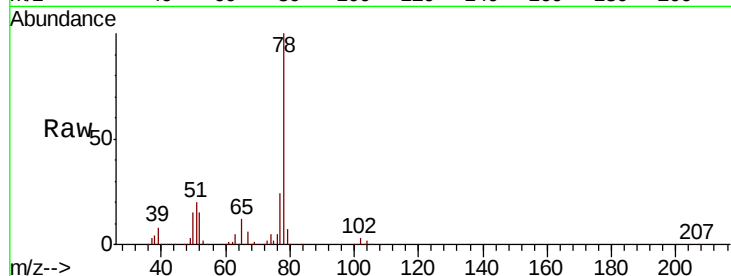
RLF-SD-5MSD

Tot Ion: 78 Resp: 370201

Ion Ratio Lower Upper

78 100

77 23.8 19.4 29.0



#41

Methacrylonitrile

Concen: 43.598 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Tgt Ion: 41 Resp: 23485

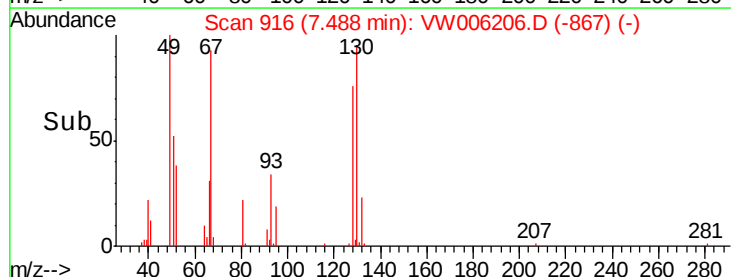
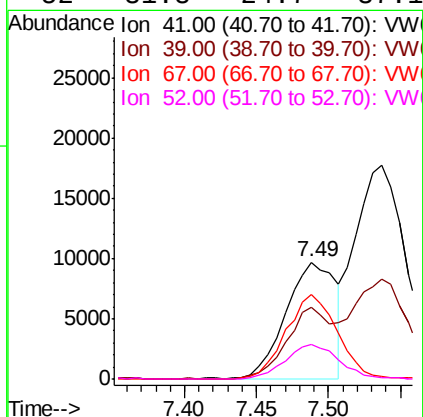
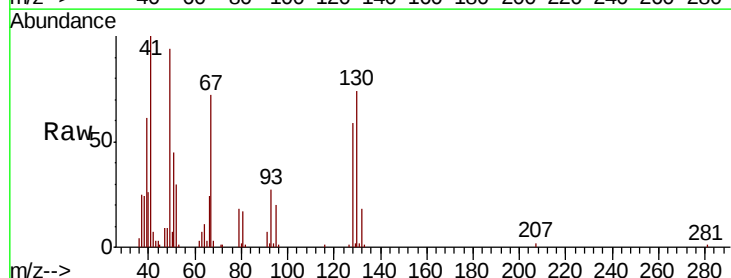
Ion Ratio Lower Upper

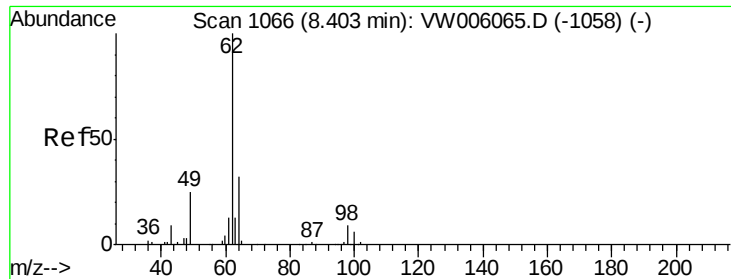
41 100

39 50.4 46.2 69.4

67 74.3 57.7 86.5

52 31.8 24.7 37.1





#42

1,2-Dichloroethane

Concen: 60.614 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

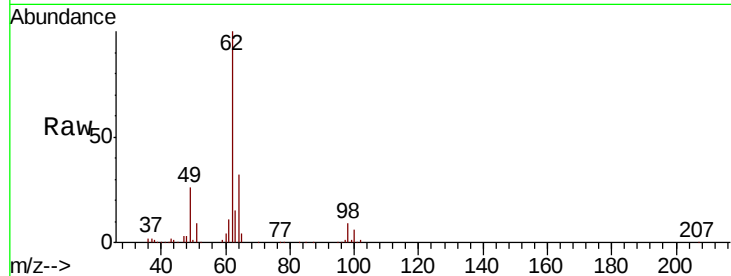
RLF-SD-5MSD

Tot Ion: 62 Resp: 117483

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

8.40

60000

50000

40000

30000

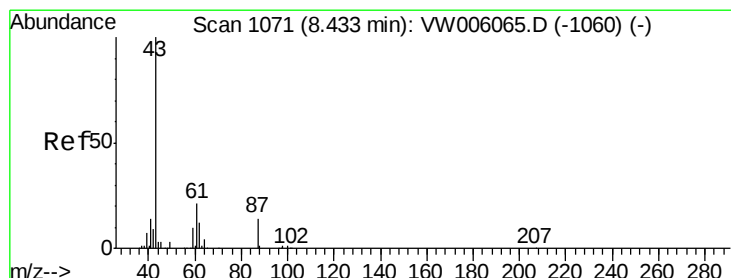
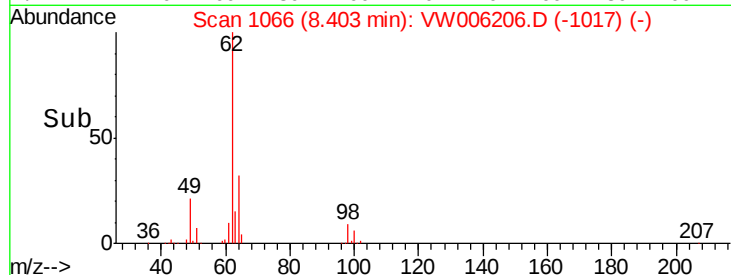
20000

10000

0

8.30 8.35 8.40 8.45 8.50

Time-->



#43

Isopropyl Acetate

Concen: 10.408 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

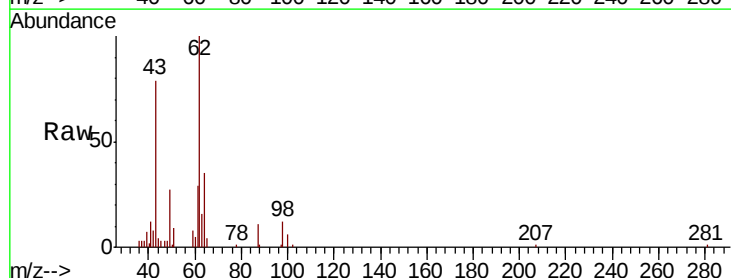
Tgt Ion: 43 Resp: 19015

Ion Ratio Lower Upper

43 100

61 0.0 25.5 38.3#

87 14.5 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

8.43

12000

10000

8000

6000

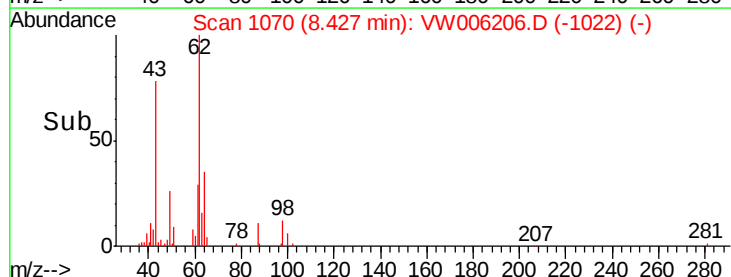
4000

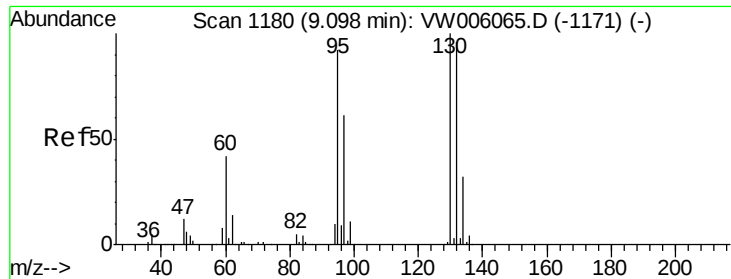
2000

0

8.40 8.45 8.50

Time-->





#44

Trichloroethene

Concen: 51.840 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

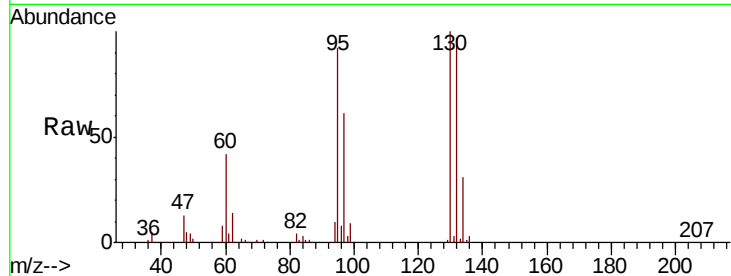
RLF-SD-5MSD

Tot Ion:130 Resp: 104923

Ion Ratio Lower Upper

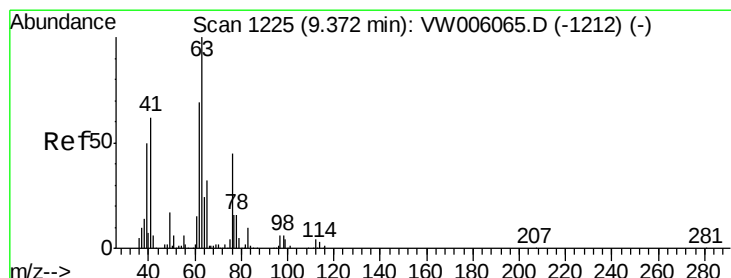
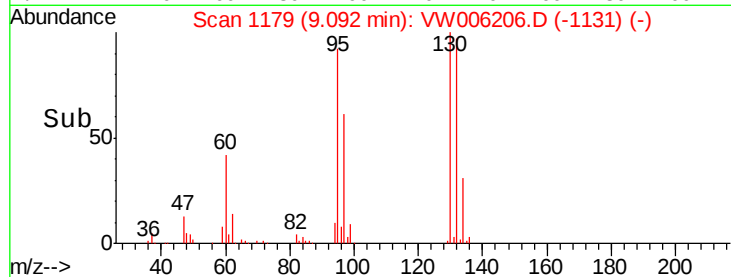
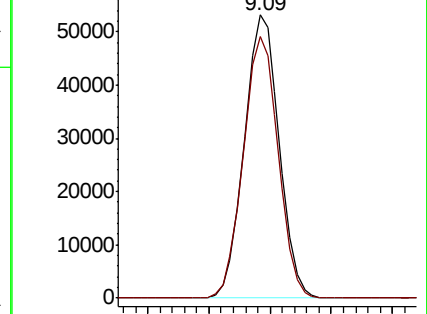
130 100

95 92.3 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: 56.003 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006206.D

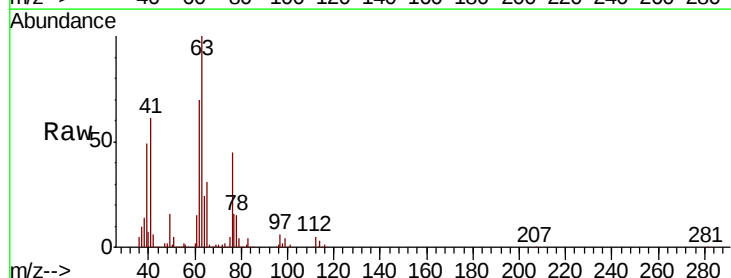
Acq: 19 Oct 2018 06:30

Tgt Ion: 63 Resp: 88409

Ion Ratio Lower Upper

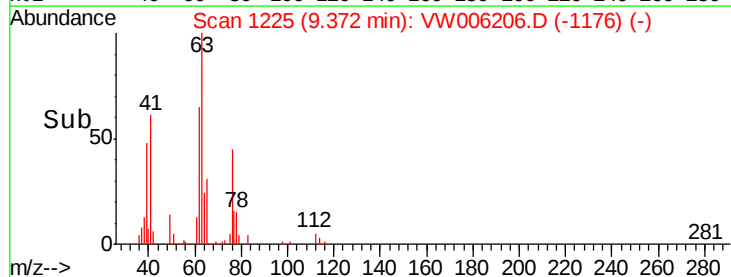
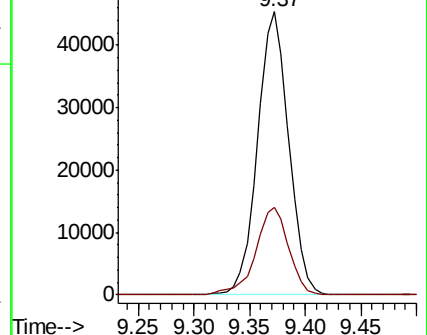
63 100

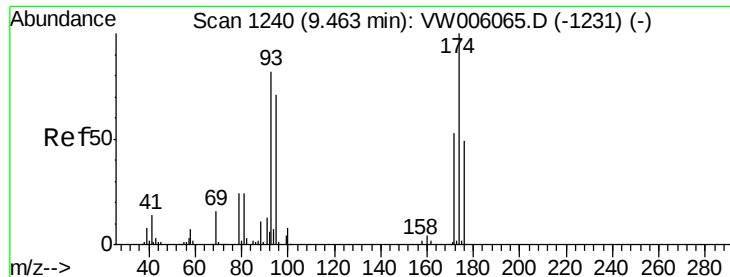
65 31.0 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 61.907 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

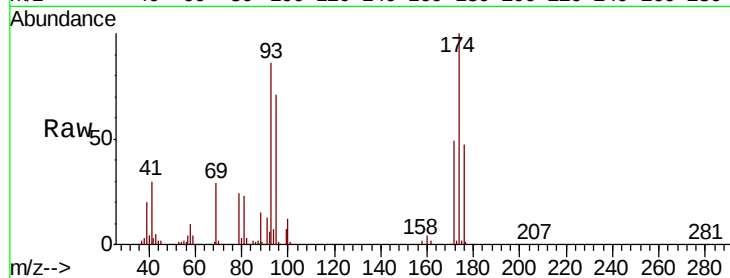
Tot Ion: 93 Resp: 55701

Ion Ratio Lower Upper

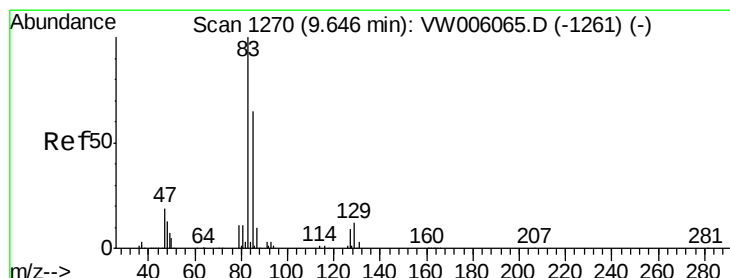
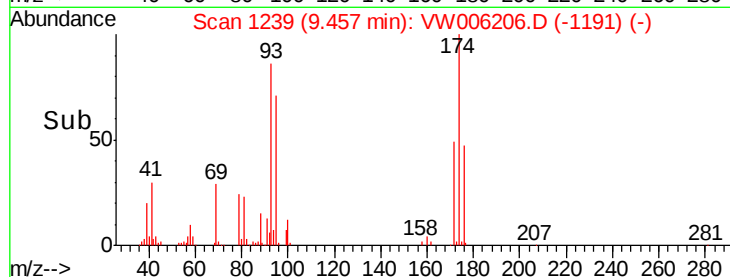
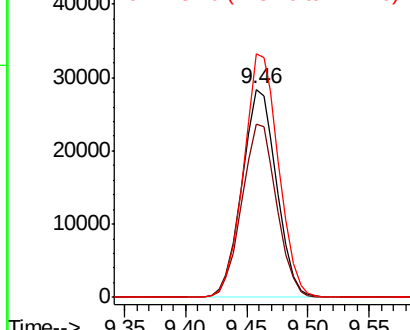
93 100

95 83.6 67.7 101.5

174 118.2 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: 47.206 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

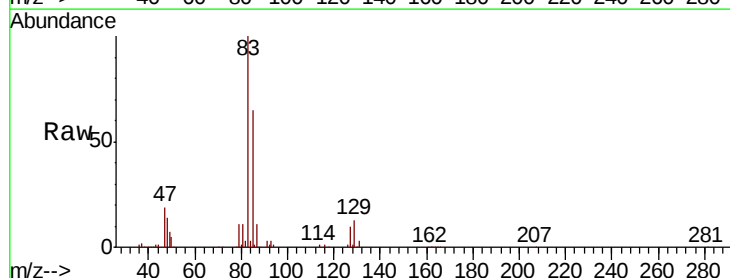
Tgt Ion: 83 Resp: 102976

Ion Ratio Lower Upper

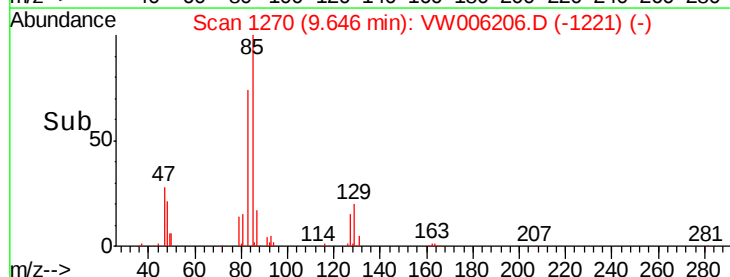
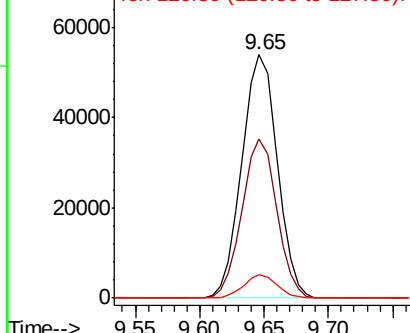
83 100

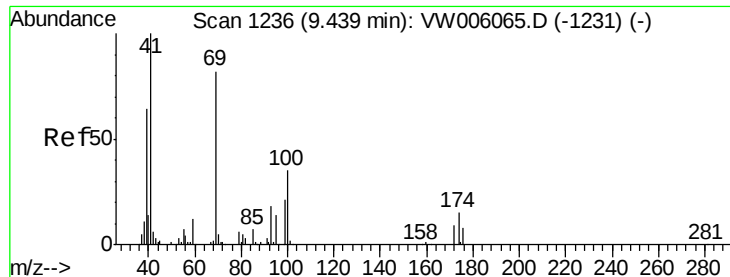
85 65.2 51.8 77.8

127 9.6 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

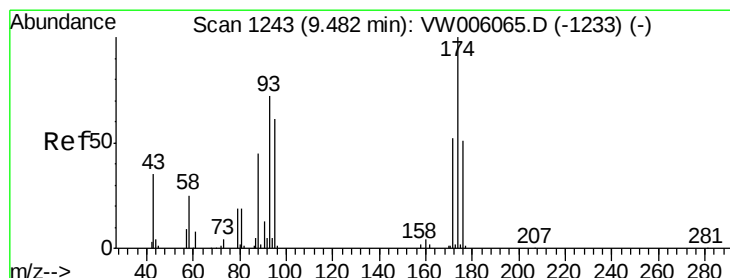
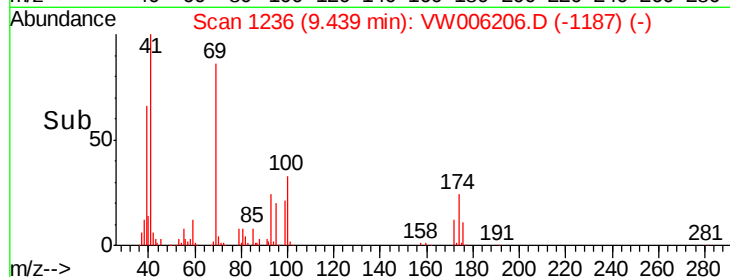
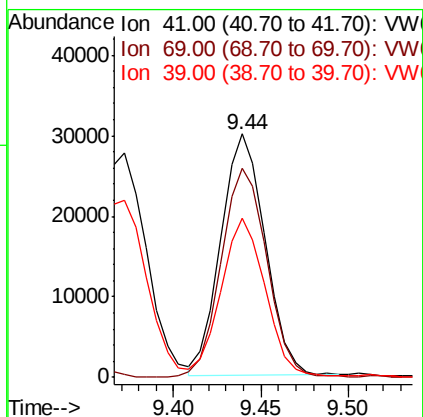
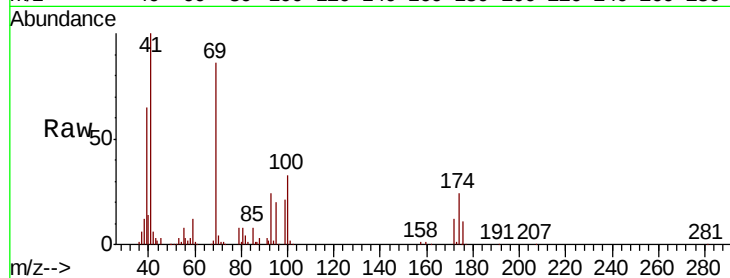




#48
Methvl methacrylate
Concen: 60.818 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

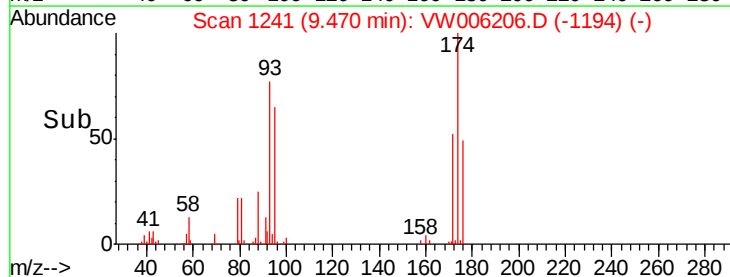
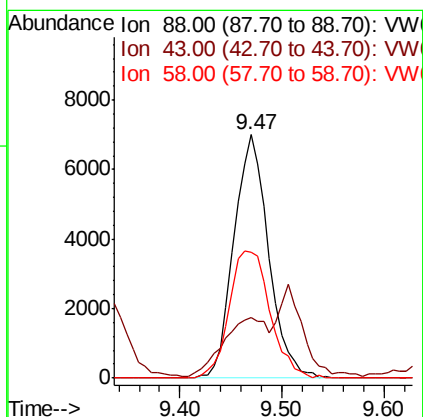
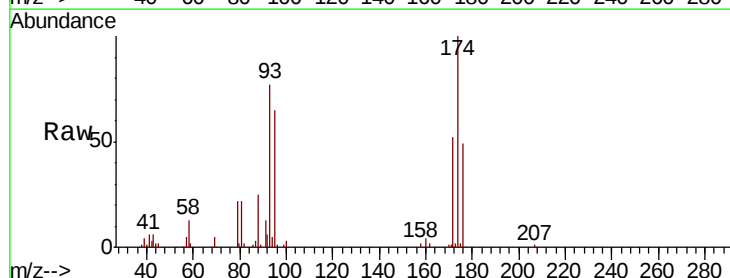
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

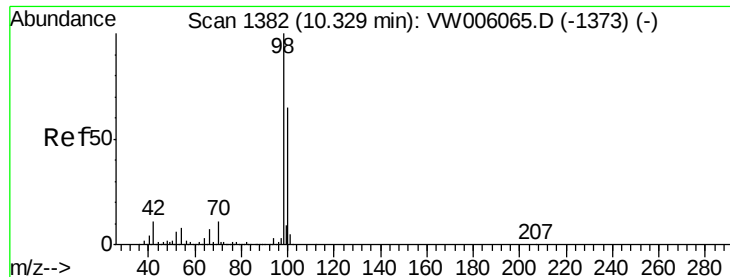
Tot Ion: 41 Resp: 52669
Ion Ratio Lower Upper
41 100
69 90.2 71.8 107.8
39 64.8 52.5 78.7



#49
1,4-Dioxane
Concen: 1189.561 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 88 Resp: 16477
Ion Ratio Lower Upper
88 100
43 31.2 0.0 0.0#
58 61.6 51.2 76.8





#50

Toluene-d8

Concen: 44.845 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

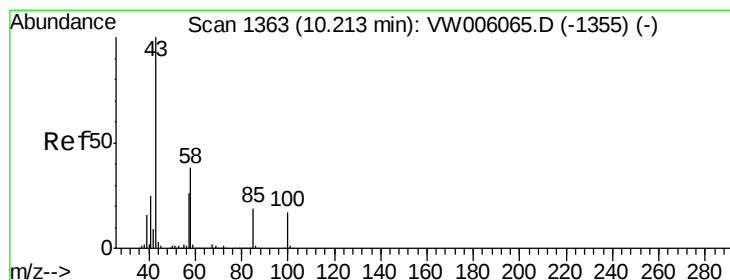
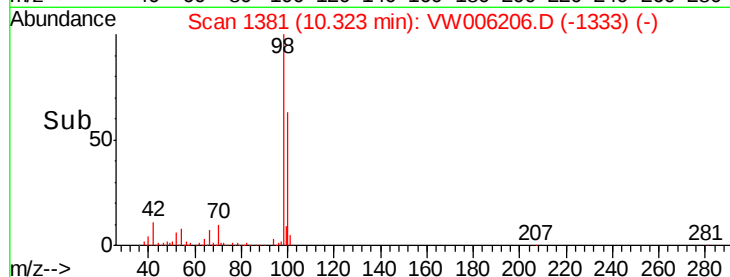
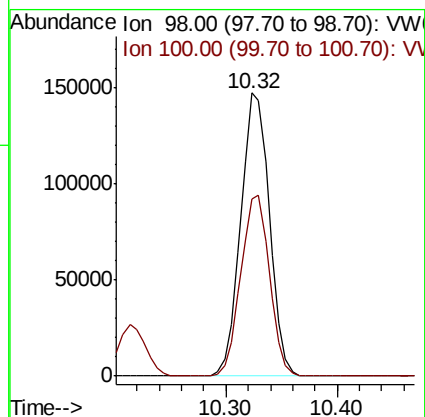
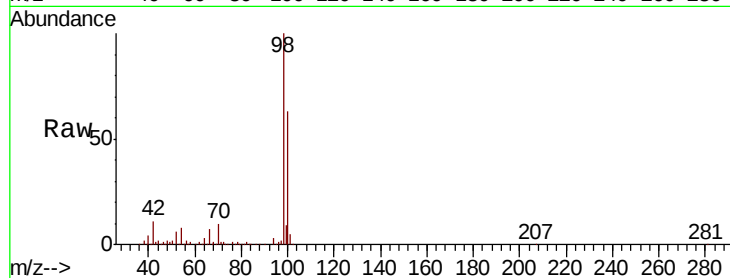
RLF-SD-5MSD

Tot Ion: 98 Resp: 263048

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 283.725 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006206.D

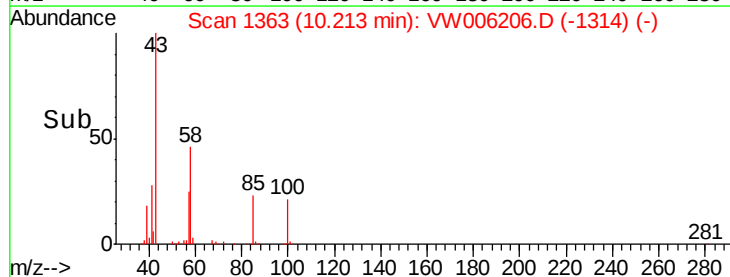
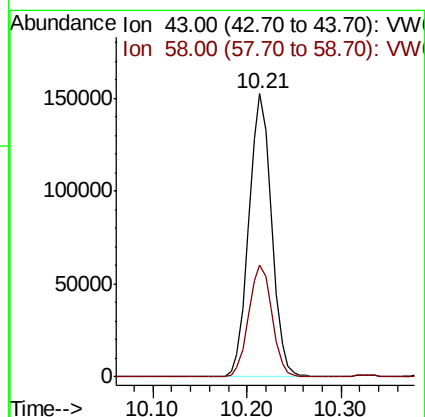
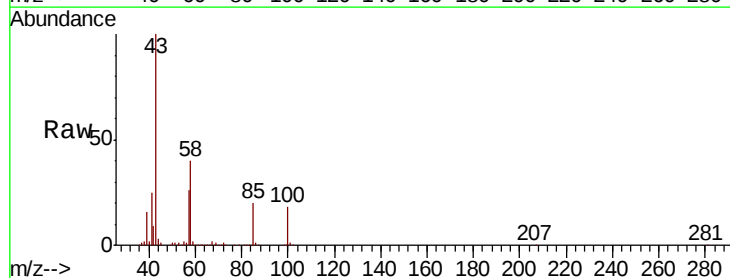
Acq: 19 Oct 2018 06:30

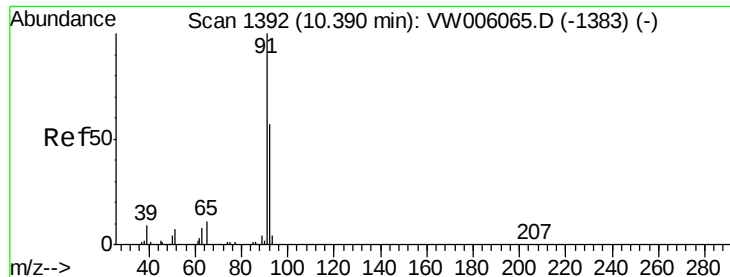
Tgt Ion: 43 Resp: 259719

Ion Ratio Lower Upper

43 100

58 40.6 31.5 47.3





#52

Toluene

Concen: 49.608 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

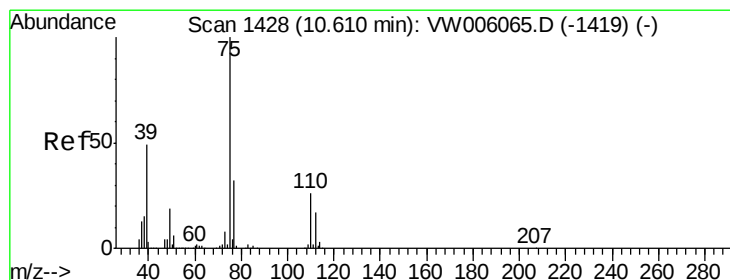
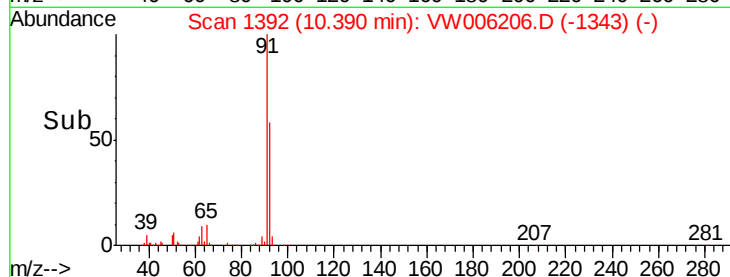
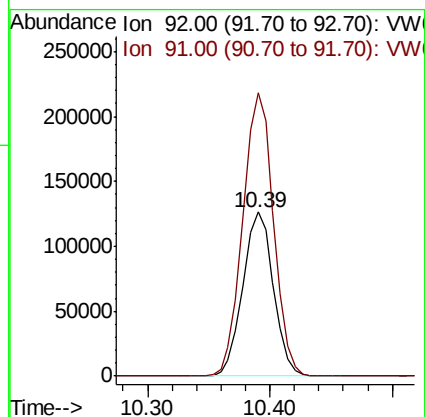
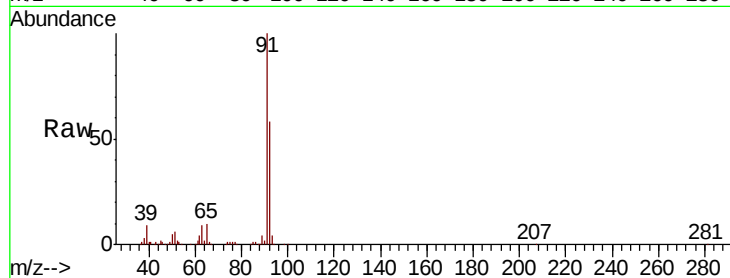
RLF-SD-5MSD

Tot Ion: 92 Resp: 219408

Ion Ratio Lower Upper

92 100

91 173.0 140.0 210.0



#53

t-1,3-Dichloropropene

Concen: 38.552 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006206.D

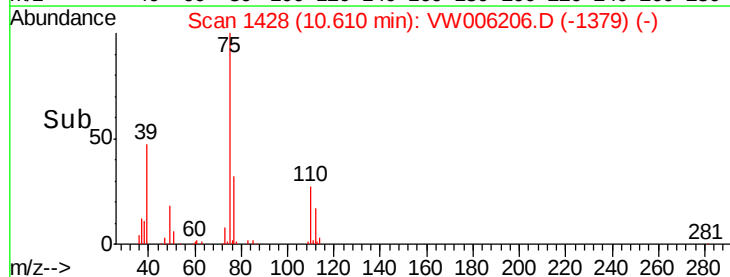
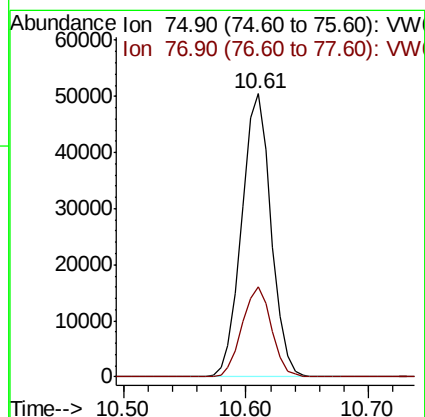
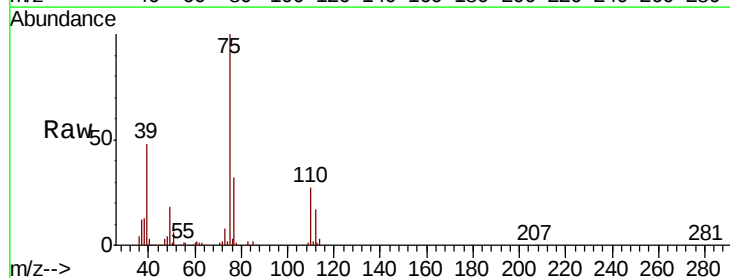
Acq: 19 Oct 2018 06:30

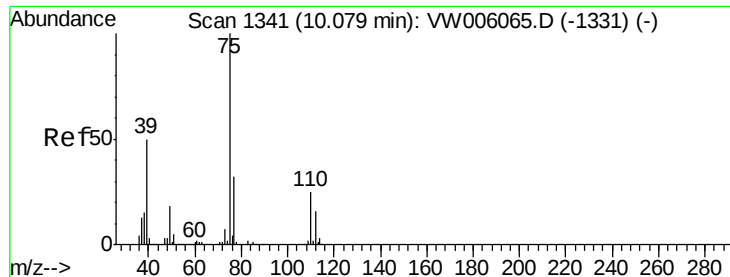
Tgt Ion: 75 Resp: 83789

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2





#54

cis-1,3-Dichloropropene

Concen: 34.674 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

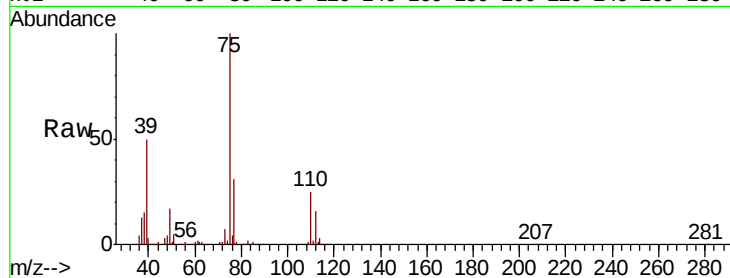
Tot Ion: 75 Resp: 86491

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 49.5 39.9 59.9

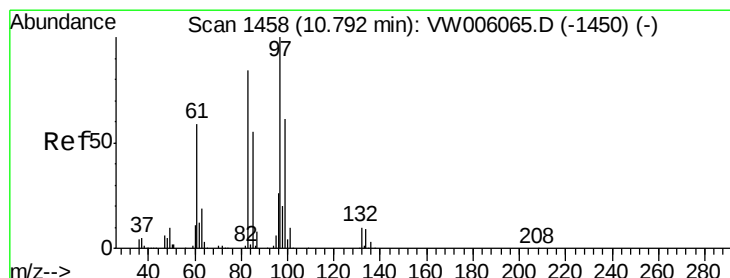
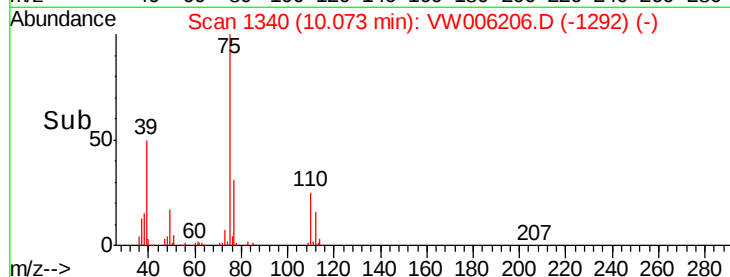
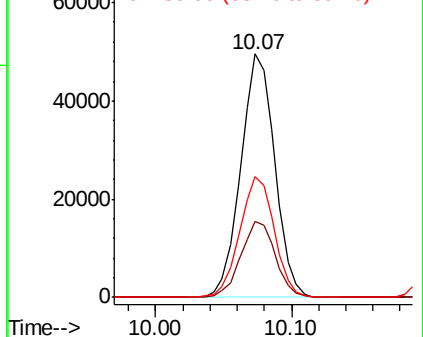


Abundance

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: 55.616 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Tgt Ion: 97 Resp: 70026

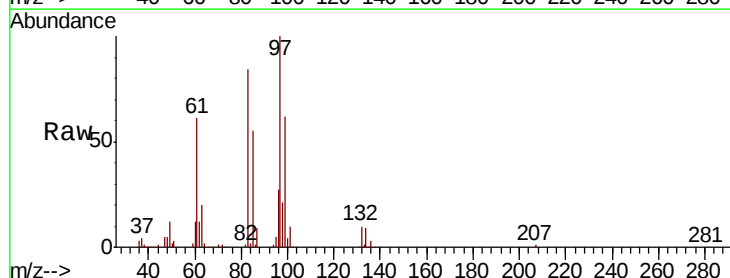
Ion Ratio Lower Upper

97 100

83 83.9 67.2 100.8

85 55.2 43.7 65.5

99 61.8 48.5 72.7



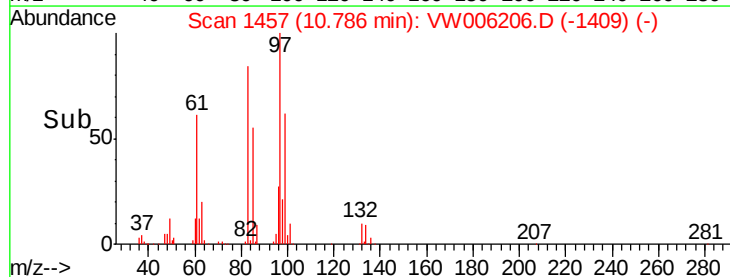
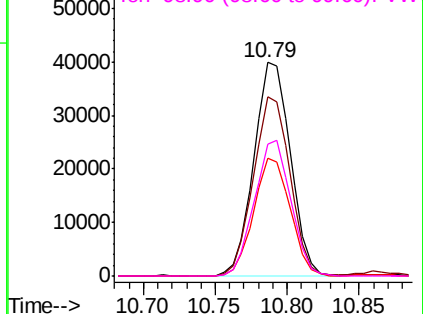
Abundance

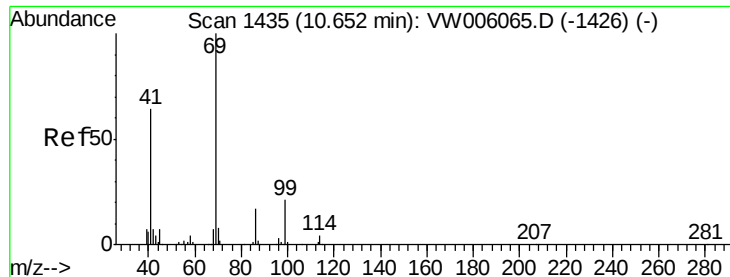
Ion 96.90 (96.60 to 97.60): VW

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: 4.847 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

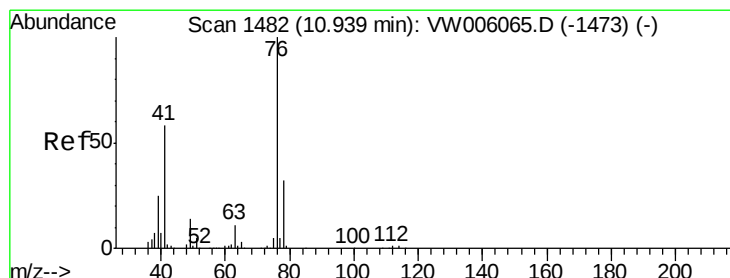
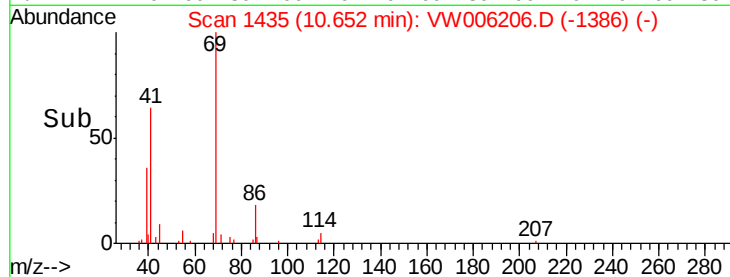
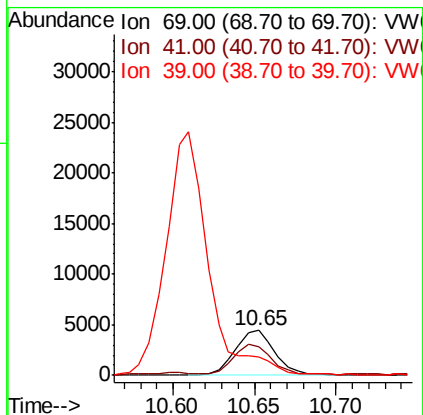
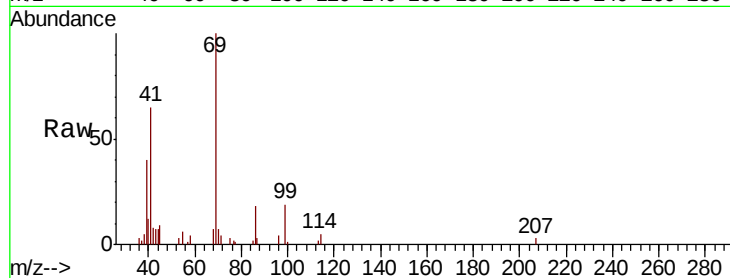
Tot Ion: 69 Resp: 7482

Ion Ratio Lower Upper

69 100

41 63.4 52.8 79.2

39 0.0 30.6 45.8#



#57

1,3-Dichloropropane

Concen: 56.193 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VW006206.D

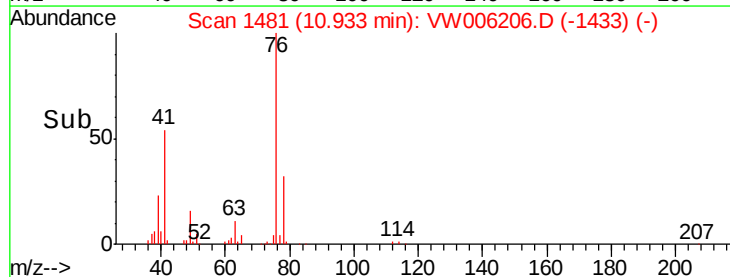
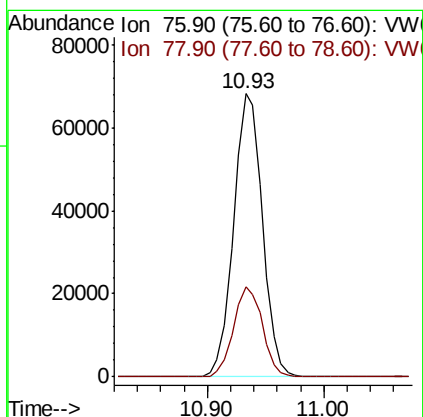
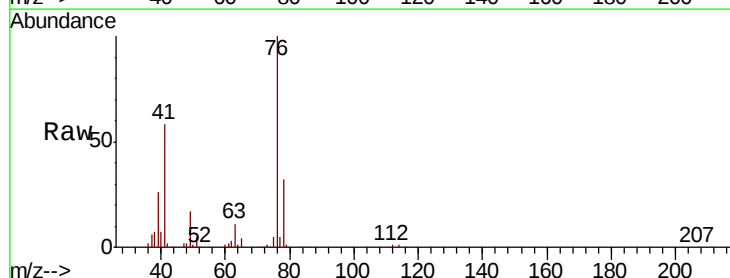
Acq: 19 Oct 2018 06:30

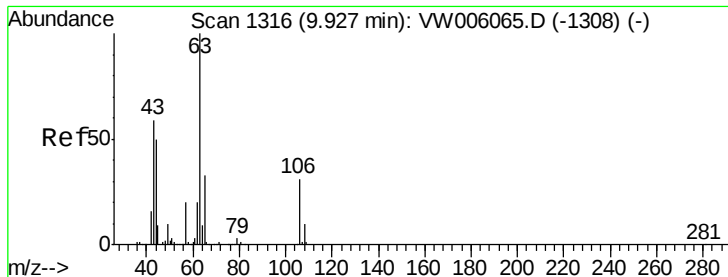
Tgt Ion: 76 Resp: 117123

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9

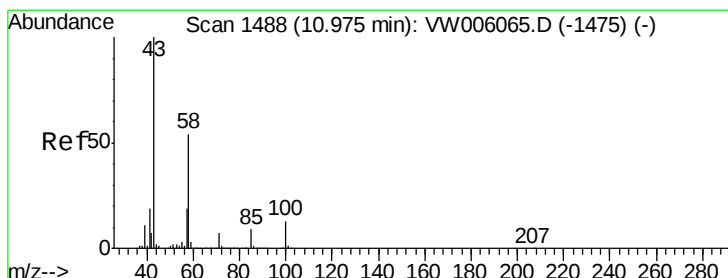
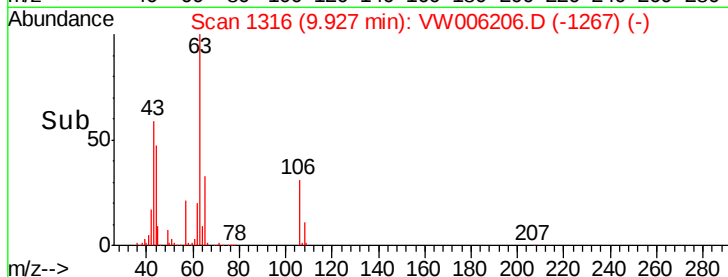
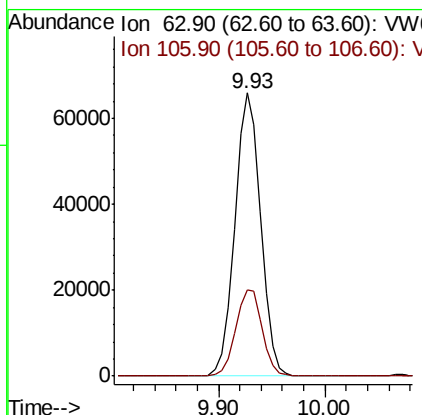
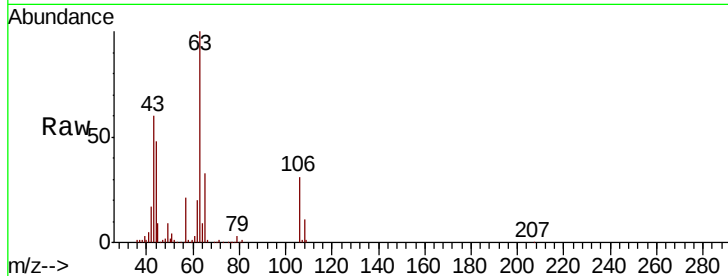




#58
2-Chloroethyl Vinyl ether
Concen: 189.724 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

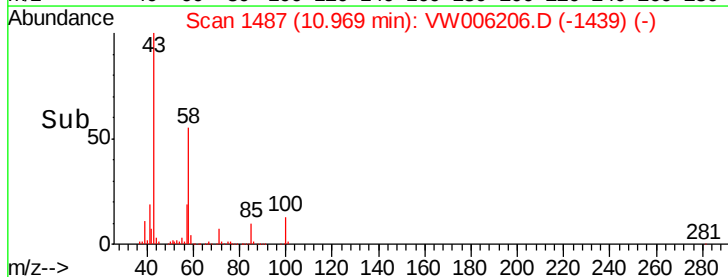
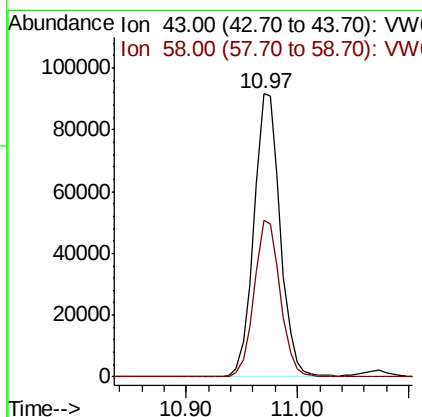
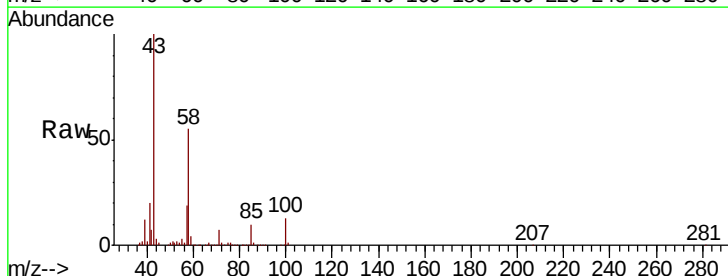
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

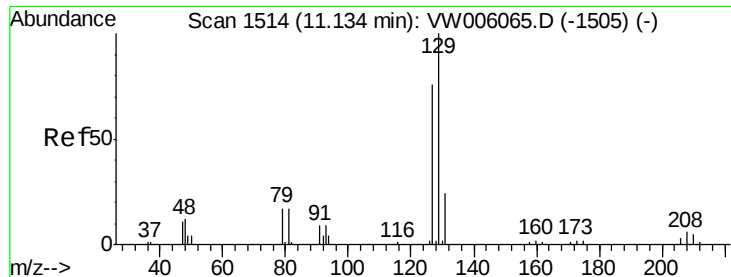
Tot Ion: 63 Resp: 111901
Ion Ratio Lower Upper
63 100
106 31.2 24.5 36.7



#59
2-Hexanone
Concen: 231.131 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 43 Resp: 151030
Ion Ratio Lower Upper
43 100
58 55.0 26.9 80.6





#60

Dibromochloromethane

Concen: 42.149 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

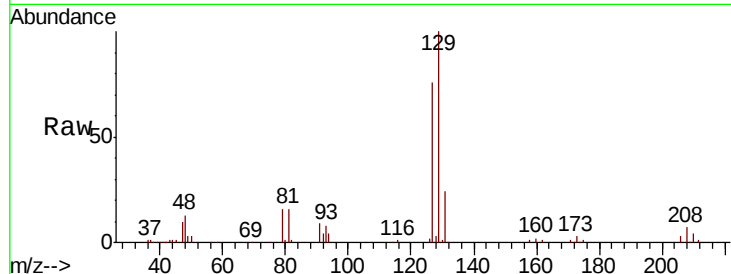
RLF-SD-5MSD

Tot Ion:129 Resp: 66103

Ion Ratio Lower Upper

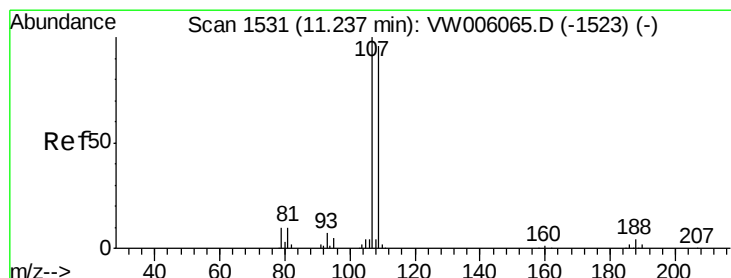
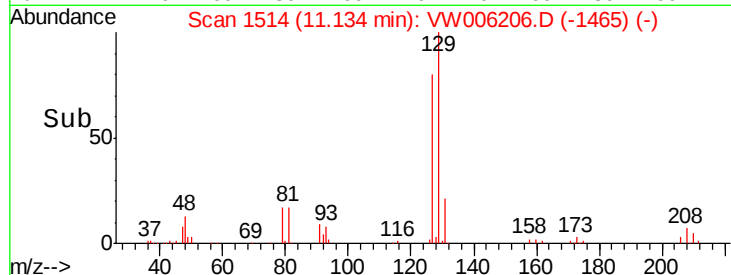
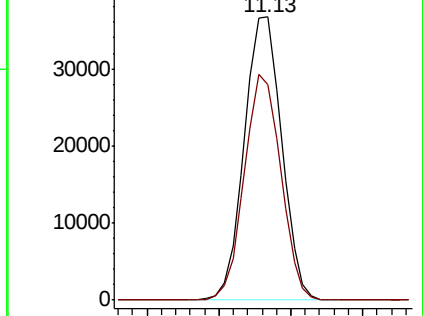
129 100

127 77.7 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: 51.030 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006206.D

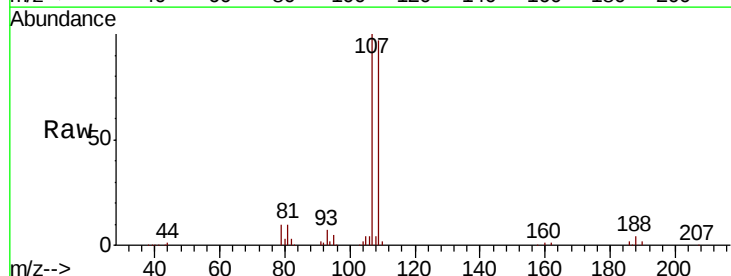
Acq: 19 Oct 2018 06:30

Tgt Ion:107 Resp: 64199

Ion Ratio Lower Upper

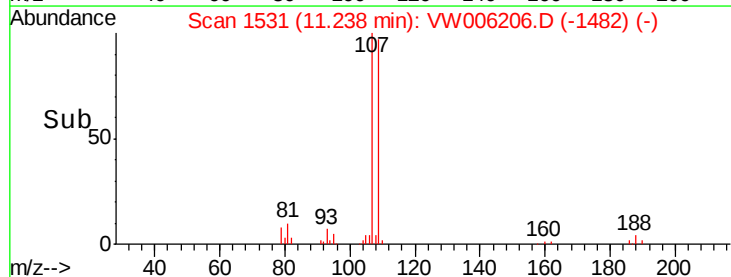
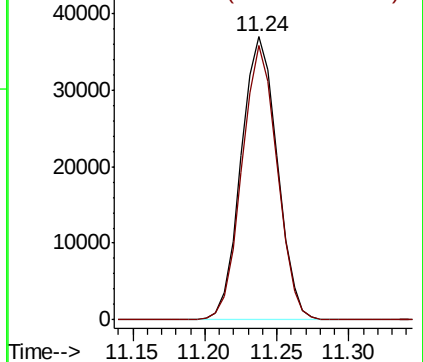
107 100

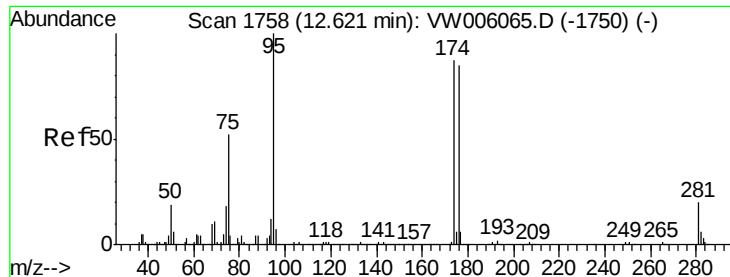
109 94.2 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 31.967 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

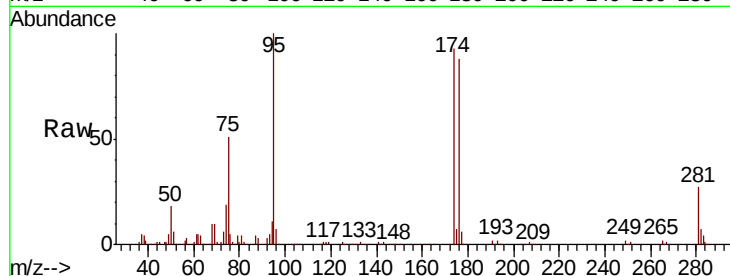
Tot Ion: 95 Resp: 70427

Ion Ratio Lower Upper

95 100

174 93.8 0.0 186.0

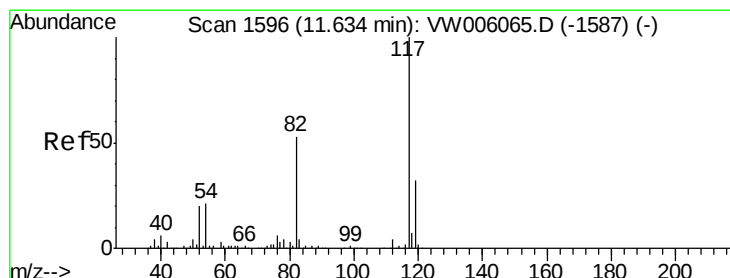
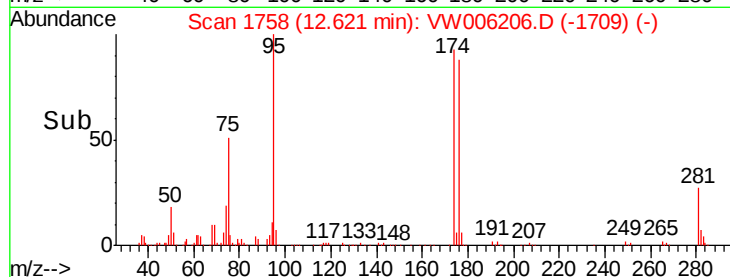
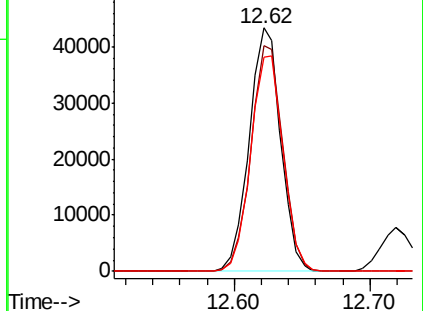
176 91.4 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

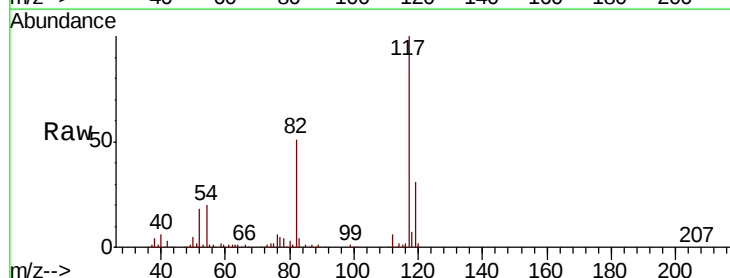
Tgt Ion: 117 Resp: 195812

Ion Ratio Lower Upper

117 100

82 50.9 42.1 63.1

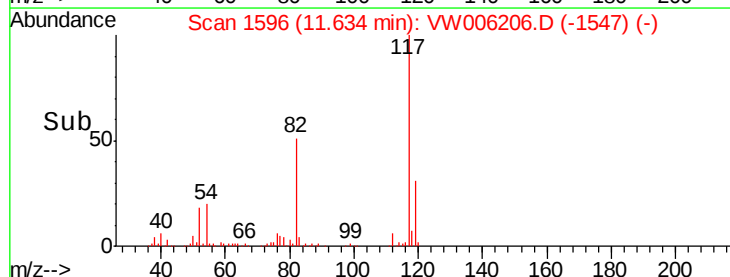
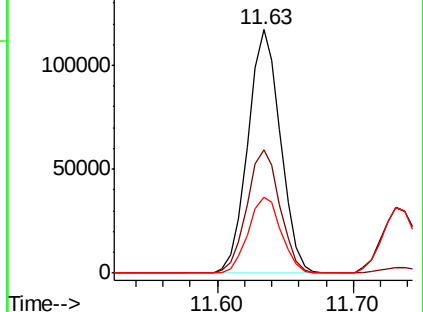
119 31.5 25.8 38.6

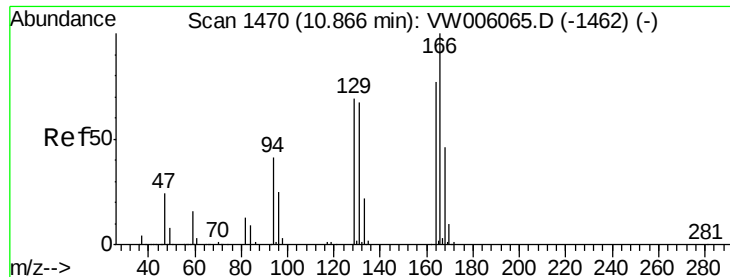


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 49.336 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tot Ion:164 Resp: 74996

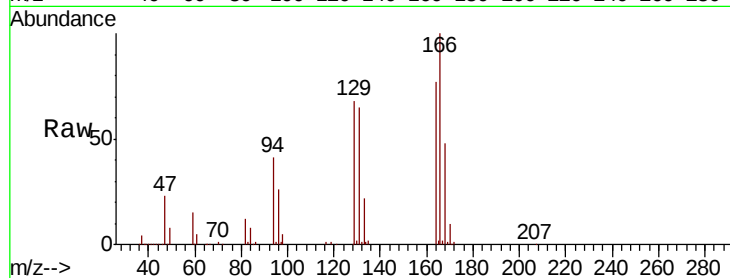
Ion Ratio Lower Upper

164 100

166 130.6 103.4 155.0

129 88.2 71.8 107.8

131 84.6 69.5 104.3

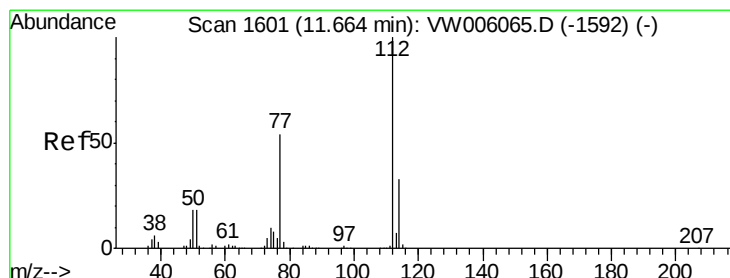
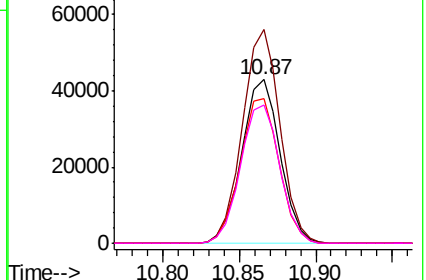
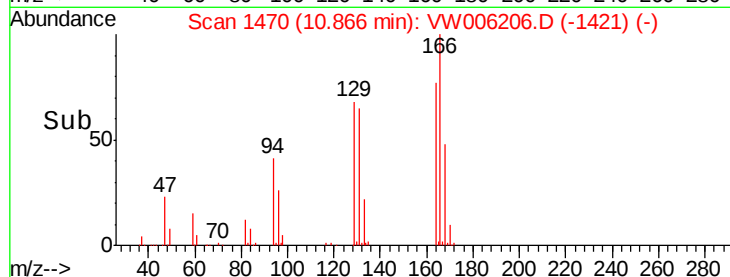


Abundance Ion 163.80 (163.50 to 164.50): V

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: 52.223 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW006206.D

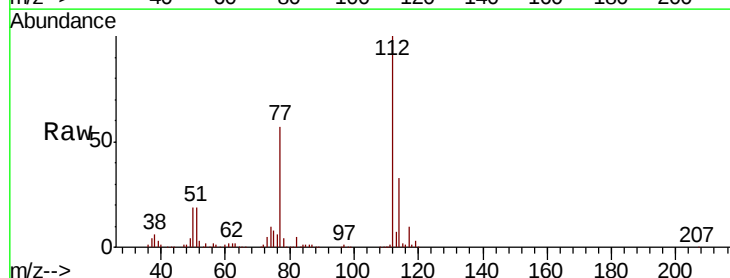
Acq: 19 Oct 2018 06:30

Tgt Ion:112 Resp: 218909

Ion Ratio Lower Upper

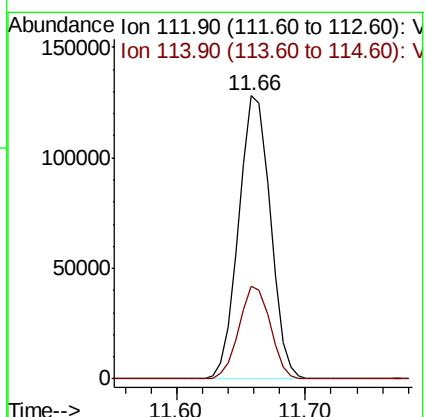
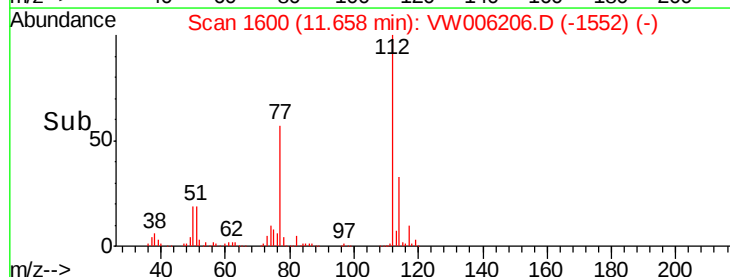
112 100

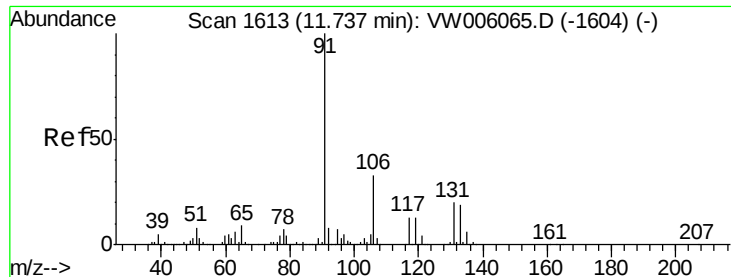
114 32.7 26.2 39.2



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: 55.786 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

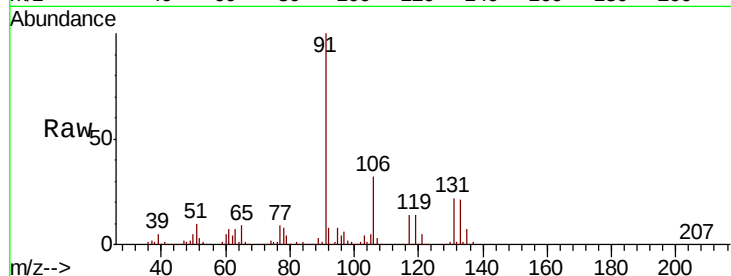
Tot Ion:131 Resp: 83102

Ion Ratio Lower Upper

131 100

133 96.8 48.1 144.3

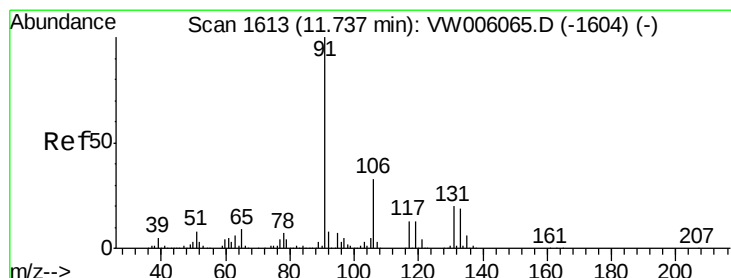
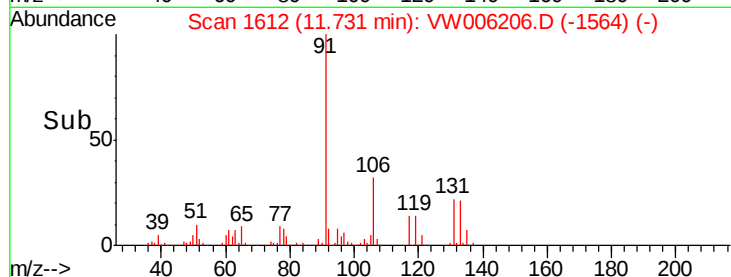
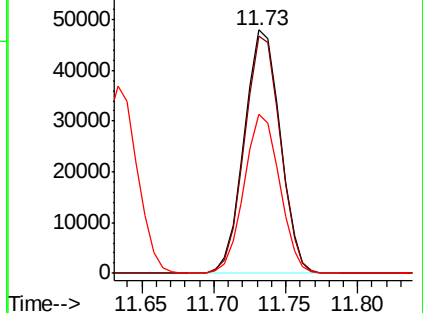
119 64.4 31.6 94.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.191 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006206.D

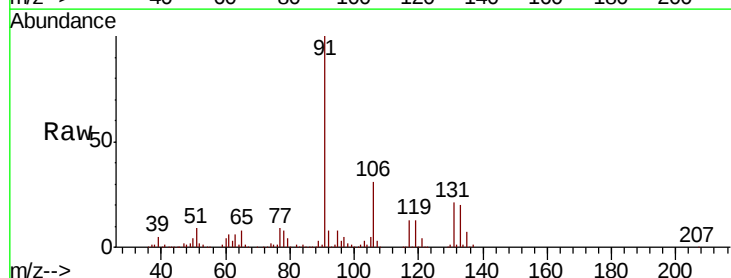
Acq: 19 Oct 2018 06:30

Tgt Ion: 91 Resp: 364612

Ion Ratio Lower Upper

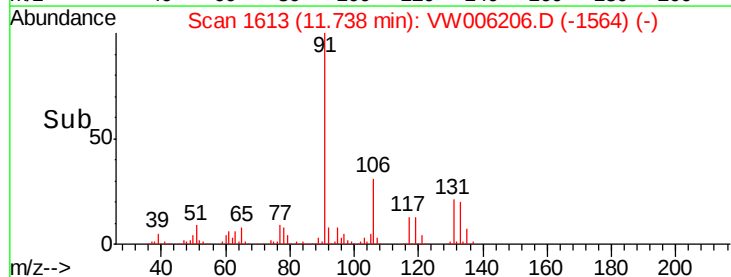
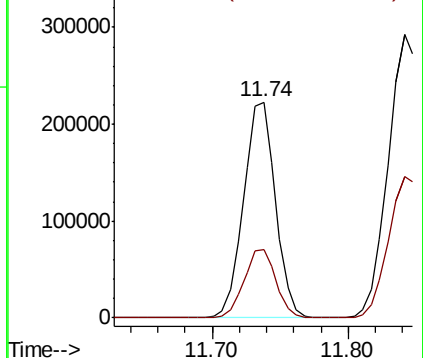
91 100

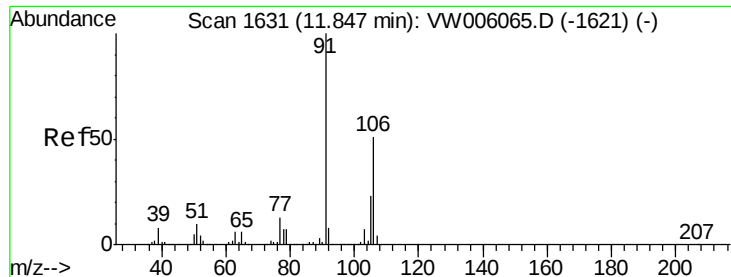
106 31.5 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

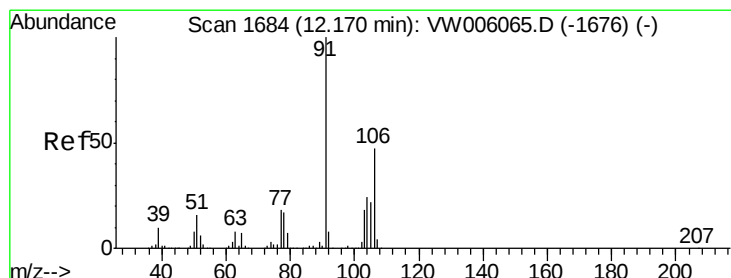
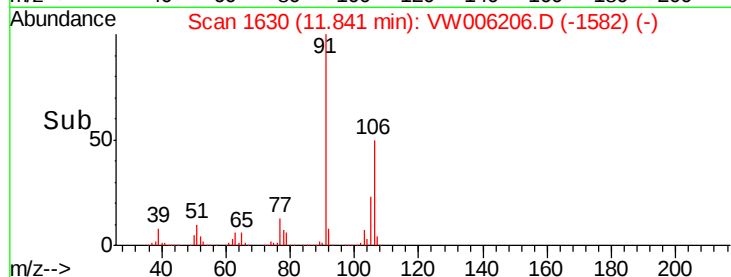
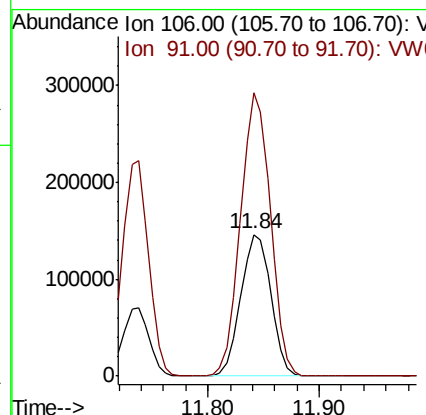
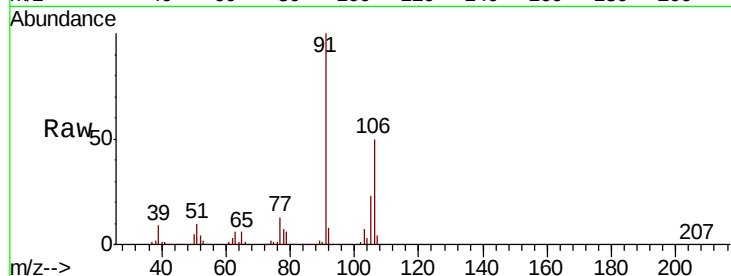




#68
m/p-Xylenes
Concen: 95.712 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

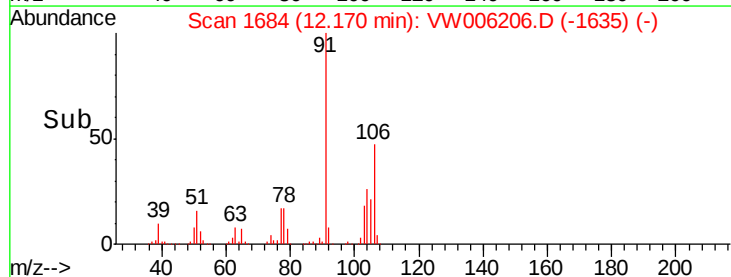
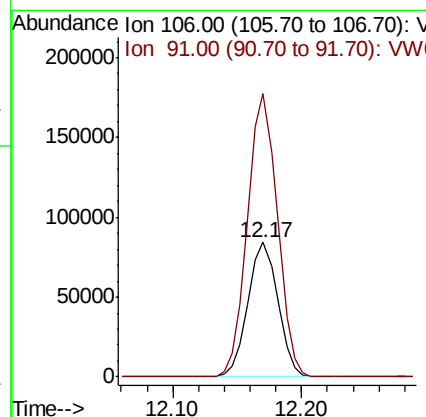
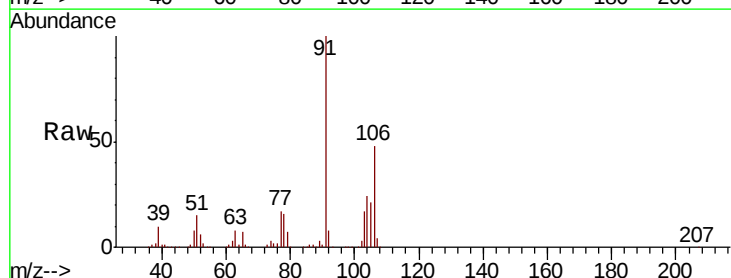
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

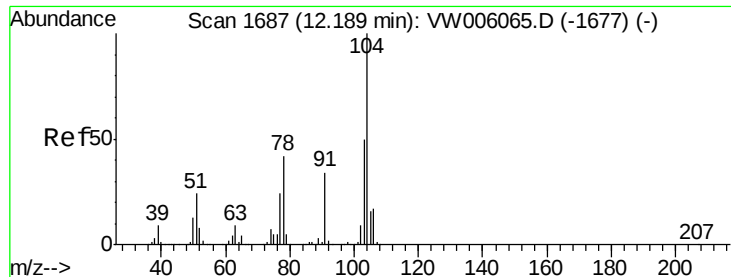
Tot Ion:106 Resp: 274817
Ion Ratio Lower Upper
106 100
91 197.9 159.1 238.7



#69
o-Xylene
Concen: 49.592 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion:106 Resp: 135704
Ion Ratio Lower Upper
106 100
91 209.8 105.4 316.1

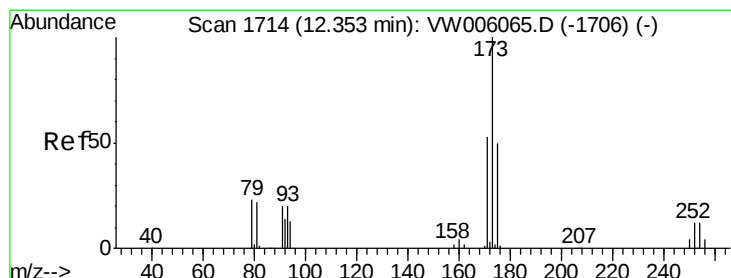
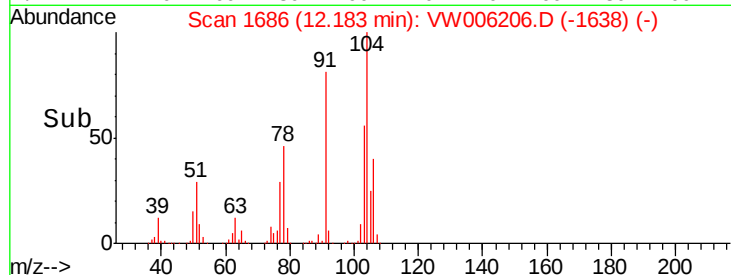
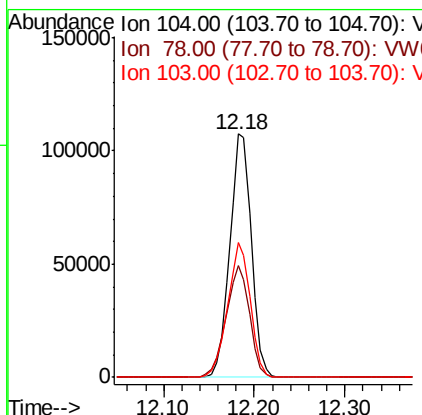
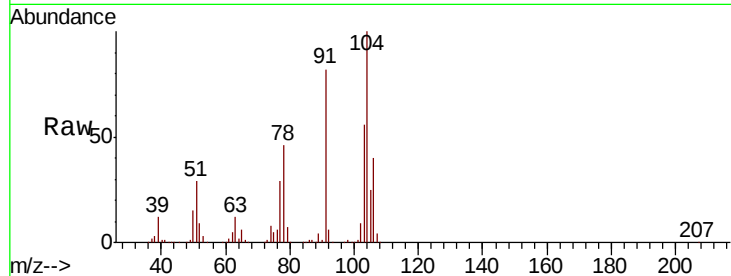




#70
Stvrene
Concen: 39.737 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

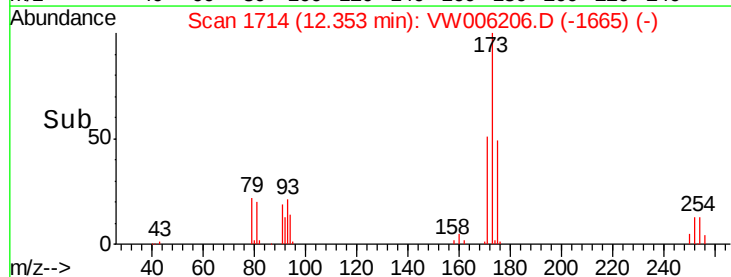
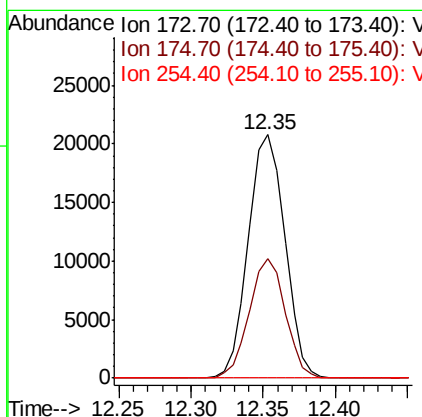
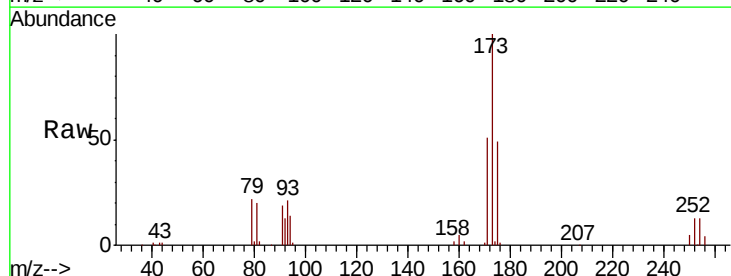
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-5MSD

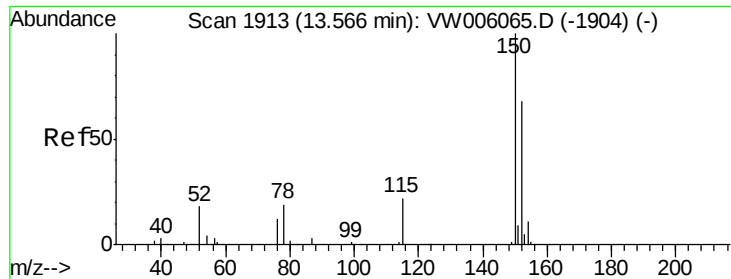
Tot Ion:104 Resp: 176821
Ion Ratio Lower Upper
104 100
78 50.0 39.1 58.7
103 58.0 44.3 66.5



#71
Bromoform
Concen: 44.064 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion:173 Resp: 36612
Ion Ratio Lower Upper
173 100
175 48.1 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: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

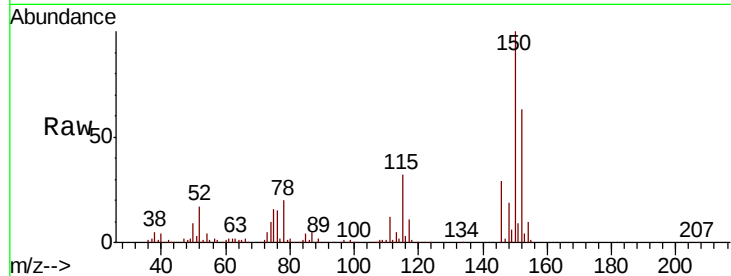
Tot Ion:152 Resp: 65795

Ion Ratio Lower Upper

152 100

115 54.0 27.8 83.3

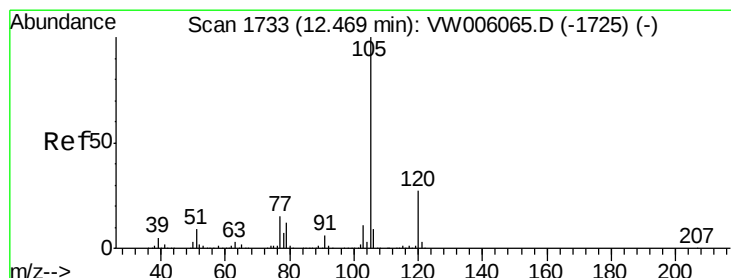
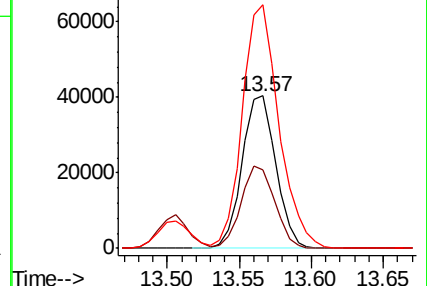
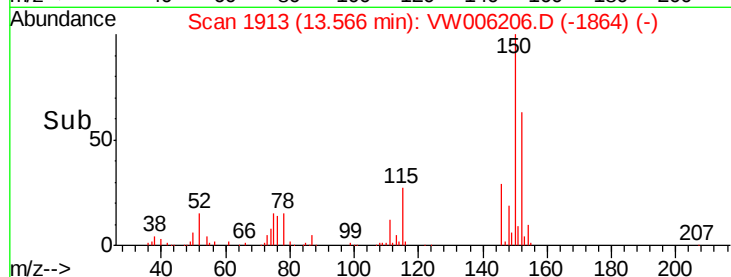
150 172.6 0.0 349.2



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: 65.771 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006206.D

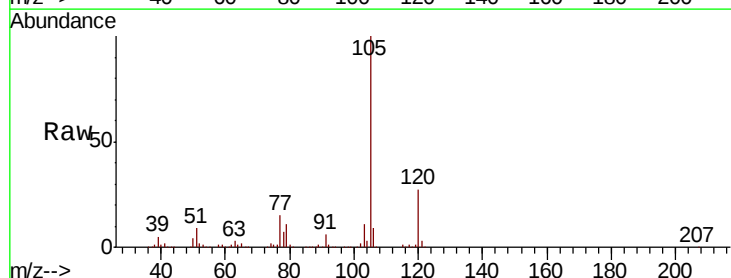
Acq: 19 Oct 2018 06:30

Tgt Ion:105 Resp: 305716

Ion Ratio Lower Upper

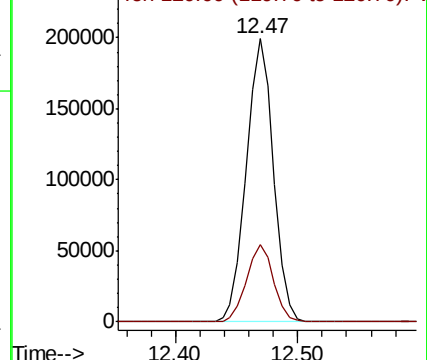
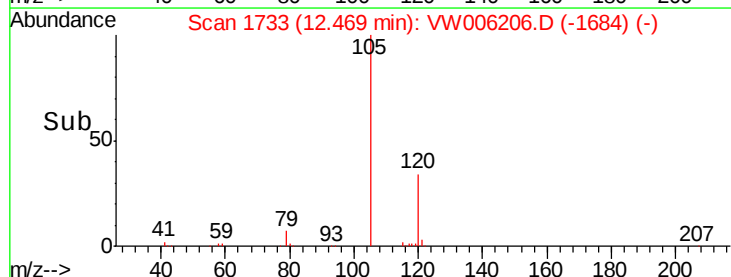
105 100

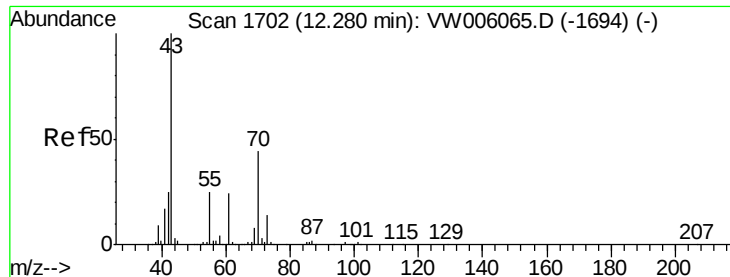
120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.133 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

Tot Ion: 43 Resp: 1023

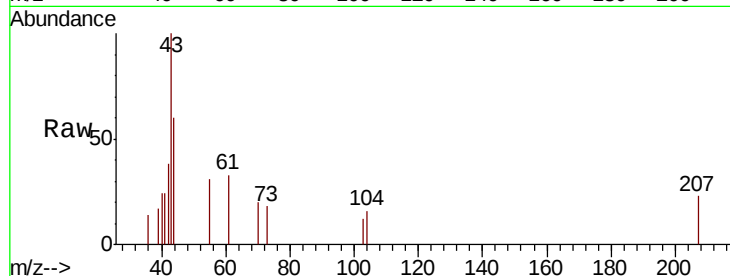
Ion Ratio Lower Upper

43 100

70 25.4 34.2 51.4#

55 16.2 19.2 28.8#

61 17.4 19.0 28.6#

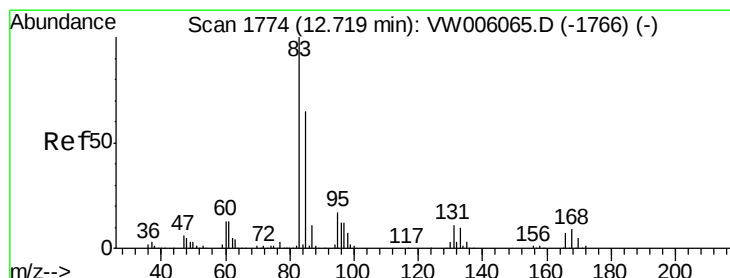
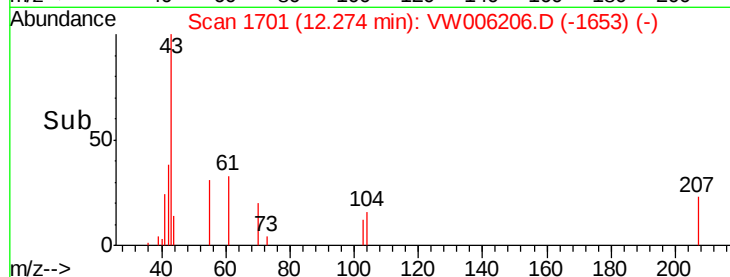
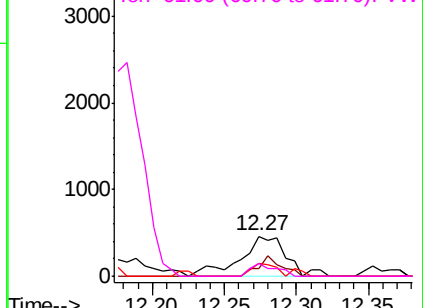


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 100.656 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

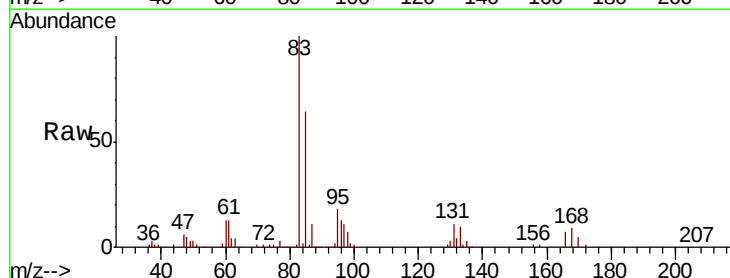
Tgt Ion: 83 Resp: 71161

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.7

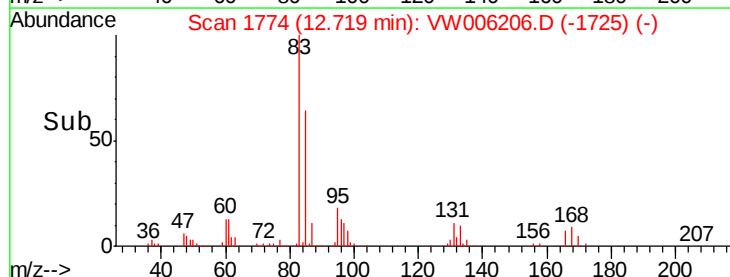
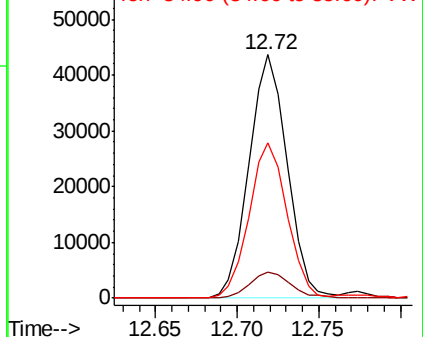
85 63.4 31.9 95.9

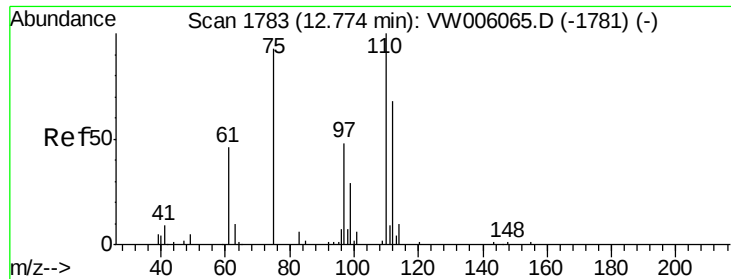


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

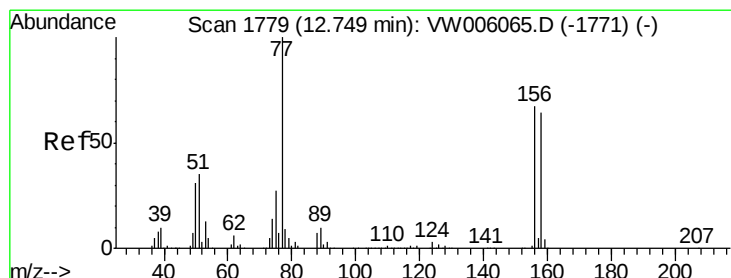
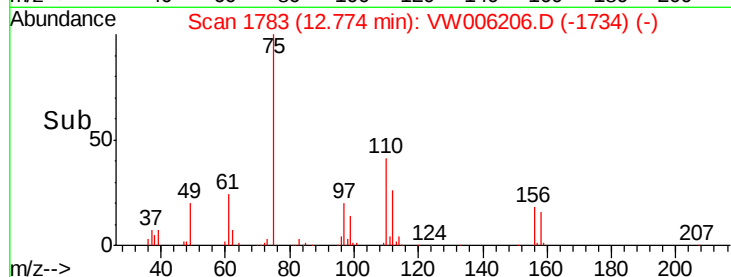
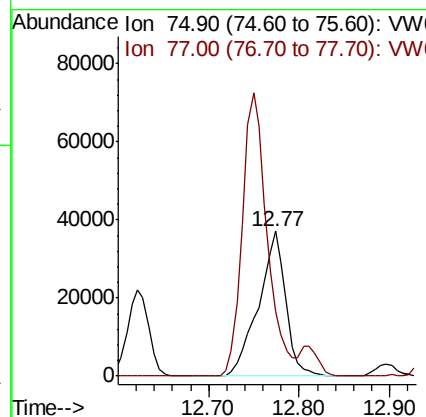
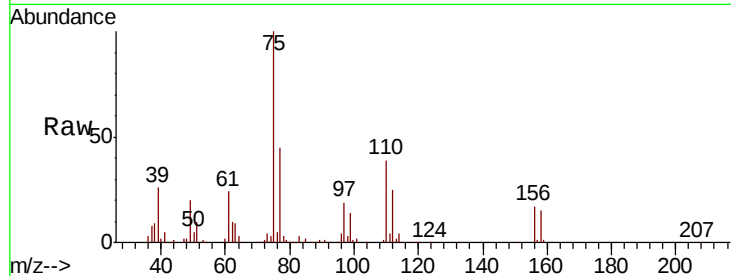




#76
 1,2,3-Trichloropropane
 Concen: 153.553 ug/l
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

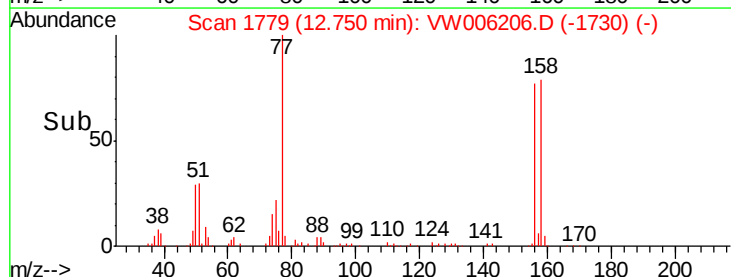
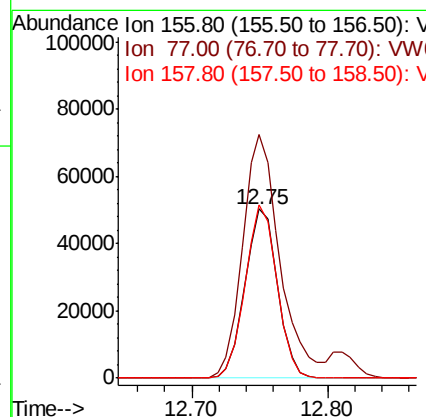
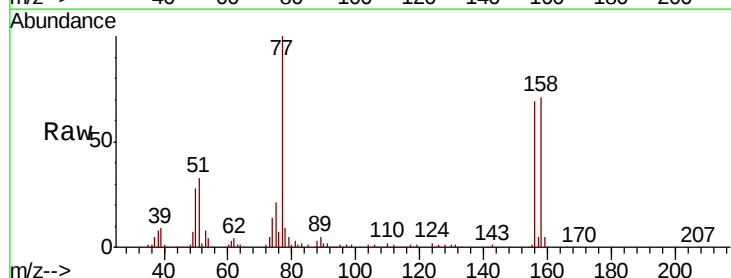
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

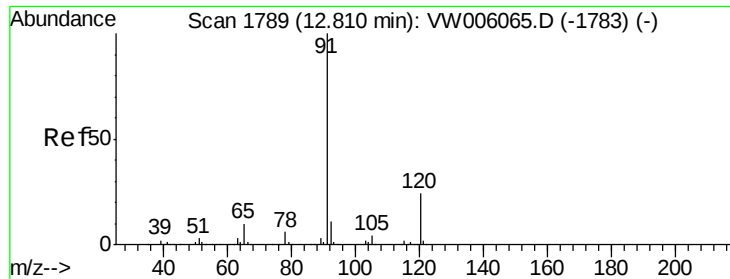
Tot Ion: 75 Resp: 77167
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 73.952 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion: 156 Resp: 84194
 Ion Ratio Lower Upper
 156 100
 77 165.4 79.1 237.4
 158 99.7 48.5 145.6





#78

n-propylbenzene

Concen: 54.857 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

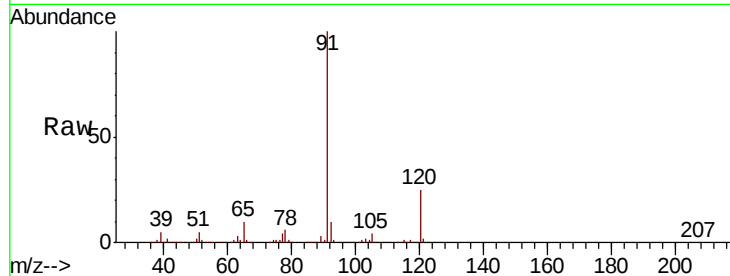
RLF-SD-5MSD

Tot Ion: 91 Resp: 296656

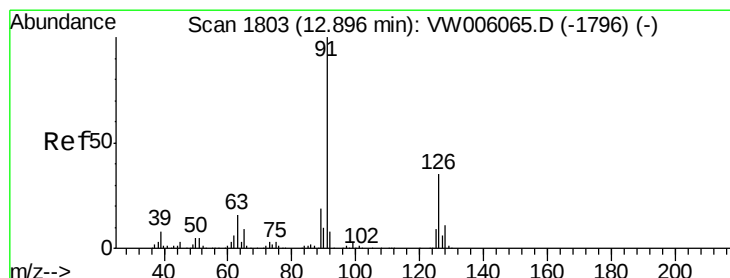
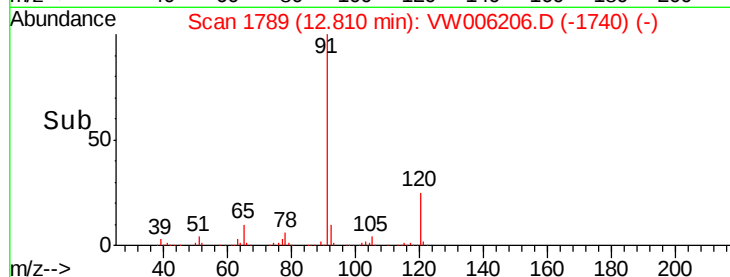
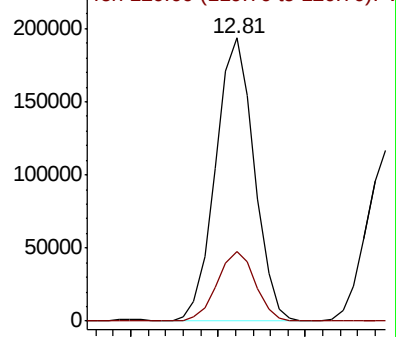
Ion Ratio Lower Upper

91 100

120 24.3 12.2 36.6



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



#79

2-Chlorotoluene

Concen: 61.160 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006206.D

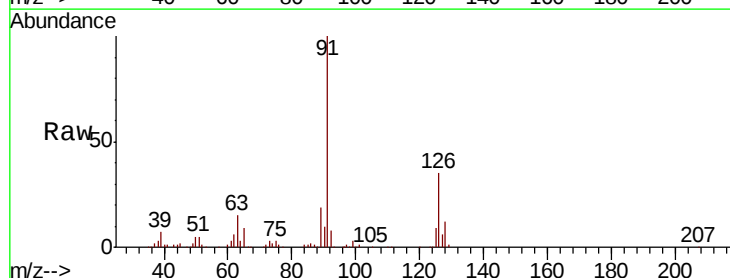
Acq: 19 Oct 2018 06:30

Tgt Ion: 91 Resp: 185831

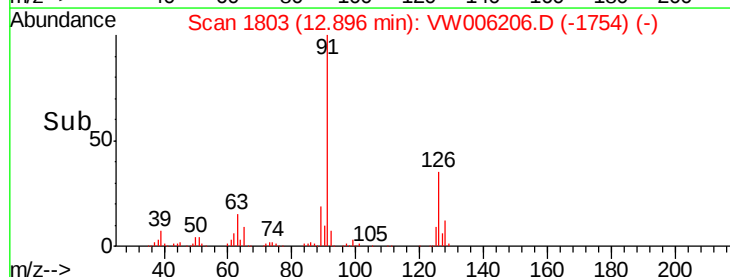
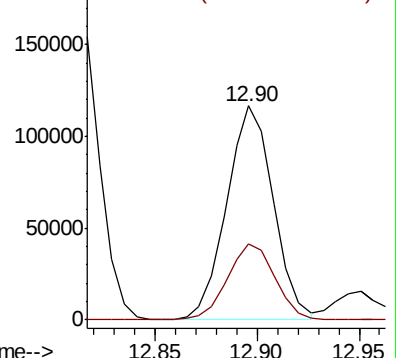
Ion Ratio Lower Upper

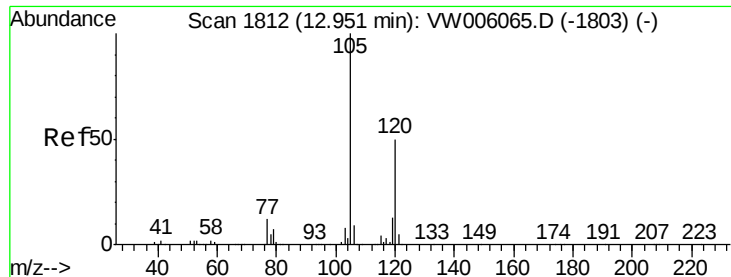
91 100

126 36.0 17.9 53.8



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





#80

1,3,5-Trimethylbenzene

Concen: 56.649 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

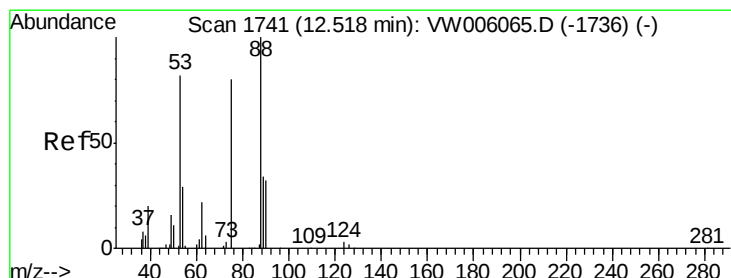
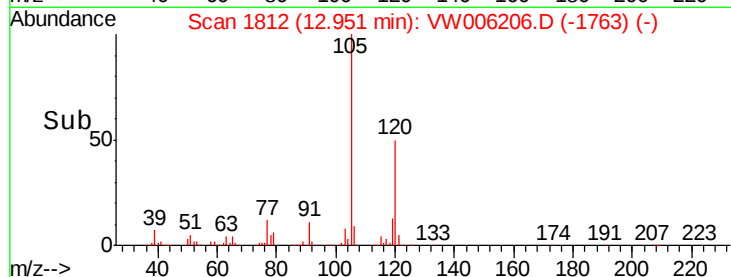
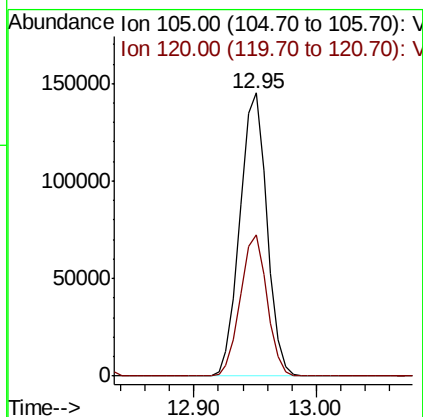
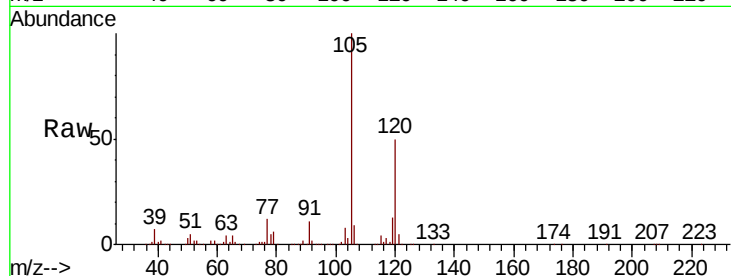
RLF-SD-5MSD

Tot Ion:105 Resp: 221981

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 38.490 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

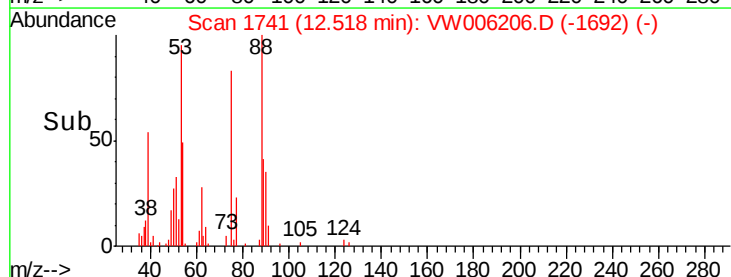
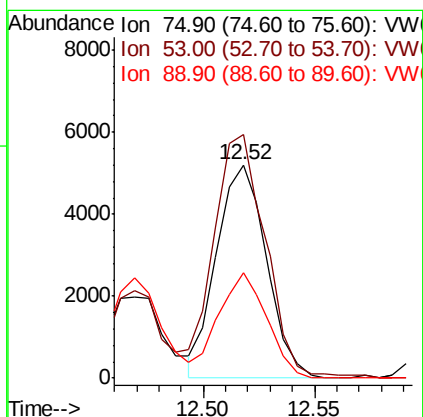
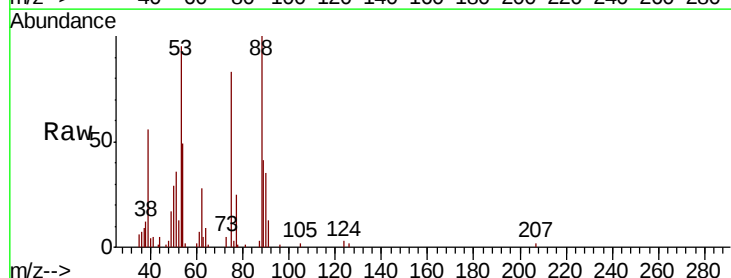
Tgt Ion: 75 Resp: 8092

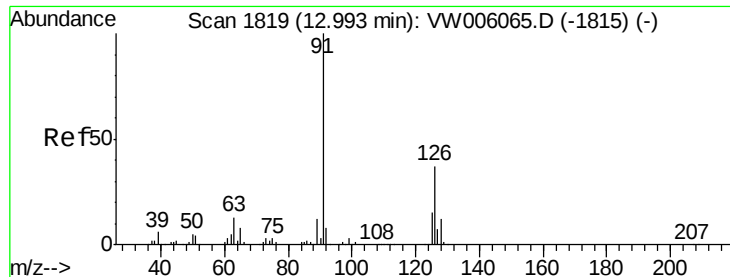
Ion Ratio Lower Upper

75 100

53 120.5 79.8 119.6#

89 48.2 37.5 56.3

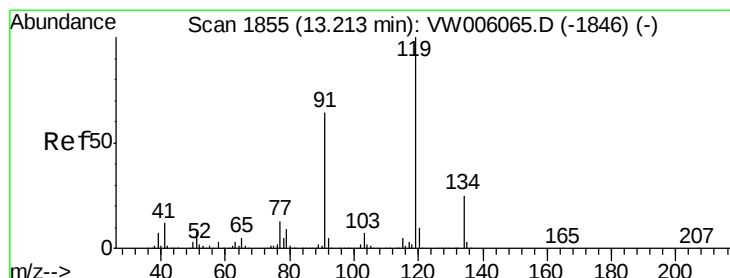
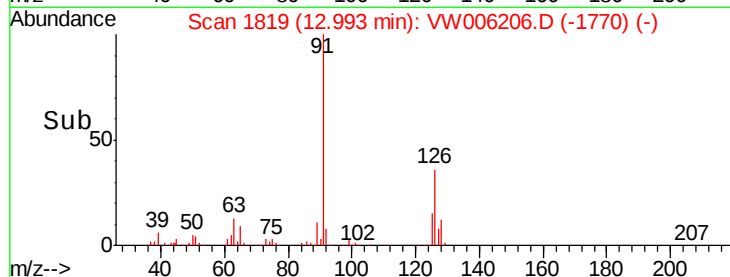
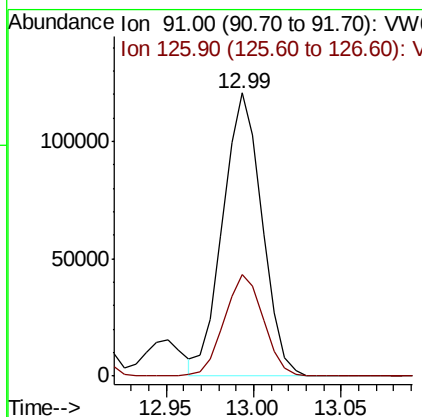
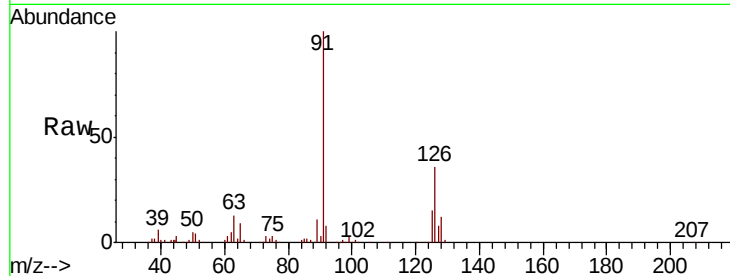




#82
4-Chlorotoluene
Concen: 58.921 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

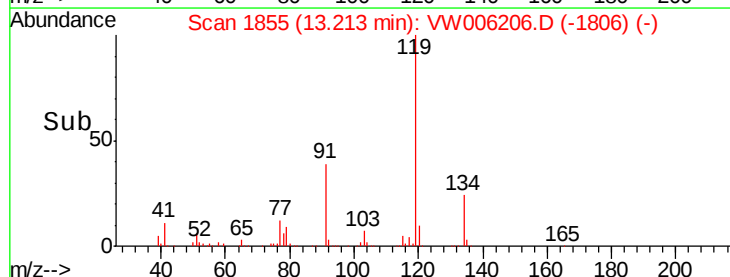
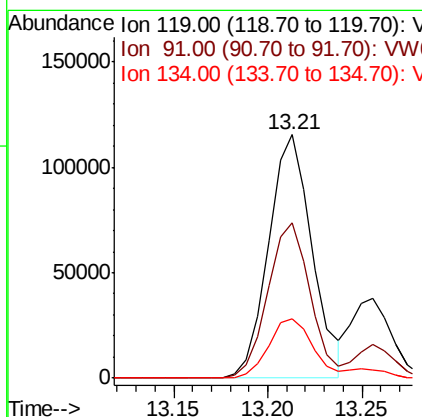
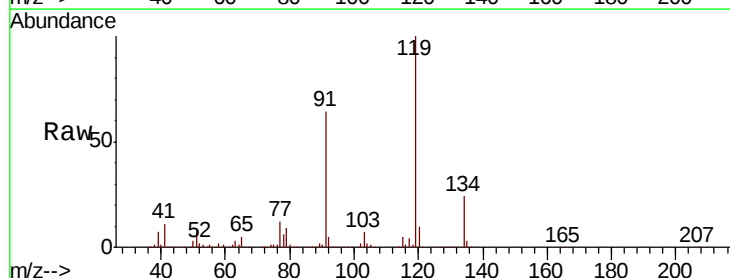
Instrument :
MSVOA_W
ClientSampled :
RLF-SD-5MSD

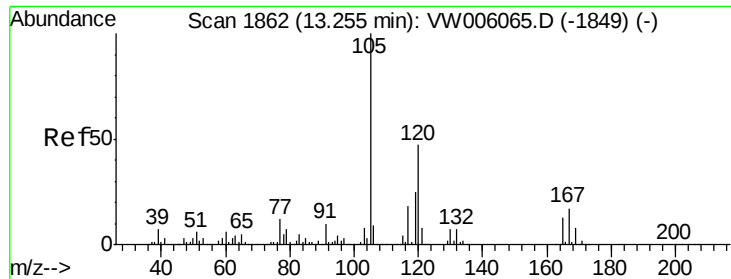
Tot Ion: 91 Resp: 187538
Ion Ratio Lower Upper
91 100
126 35.9 18.1 54.3



#83
tert-Butylbenzene
Concen: 52.871 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006206.D
Acq: 19 Oct 2018 06:30

Tgt Ion: 119 Resp: 185360
Ion Ratio Lower Upper
119 100
91 62.0 32.3 96.9
134 25.2 13.6 40.8

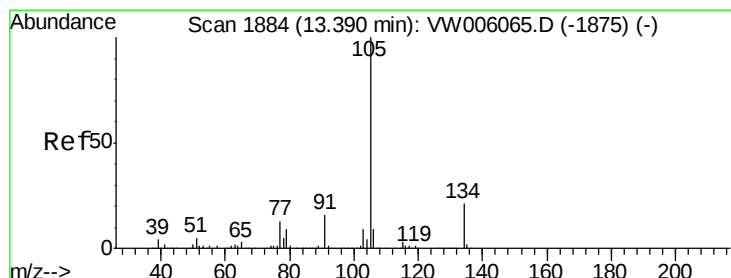
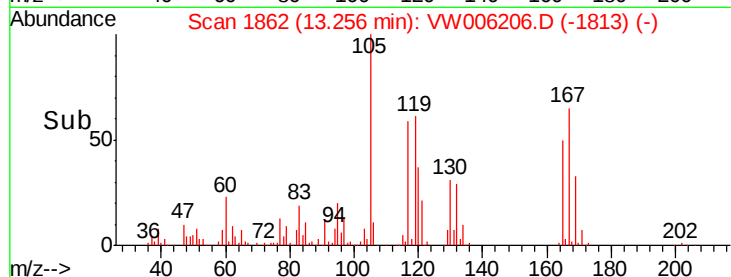
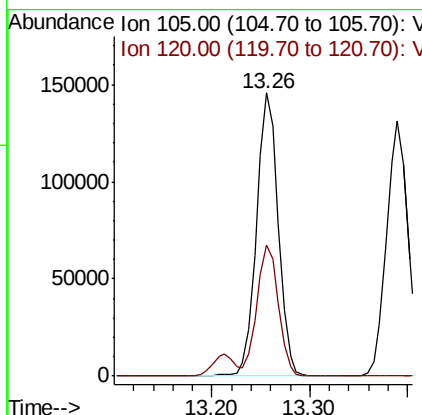
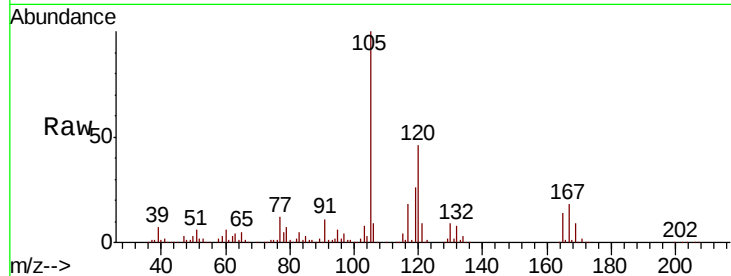




#84
 1,2,4-Trimethylbenzene
 Concen: 56.444 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

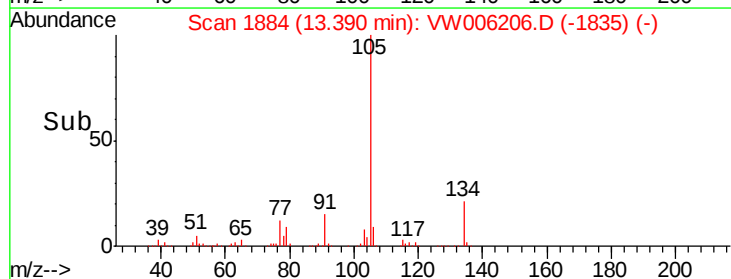
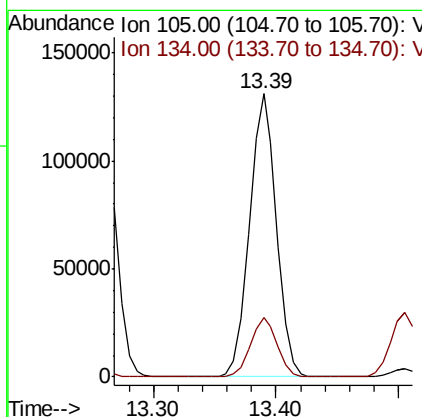
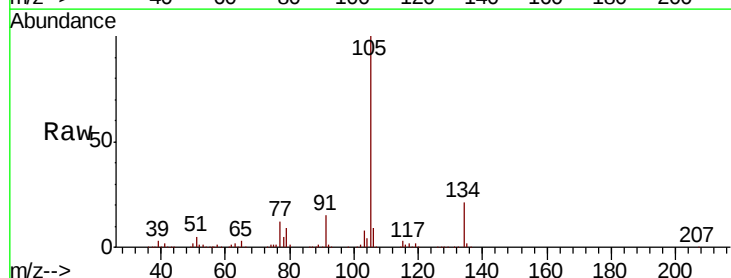
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

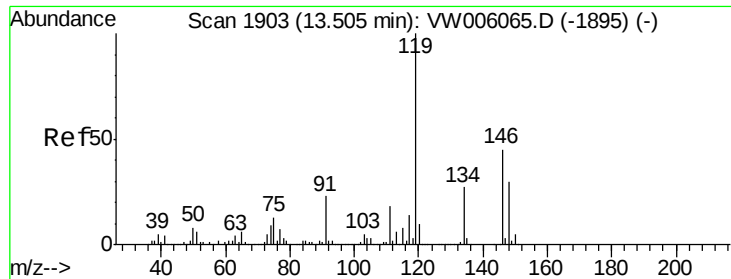
Tot Ion:105 Resp: 223811
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 40.343 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion:105 Resp: 199819
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.5 31.6

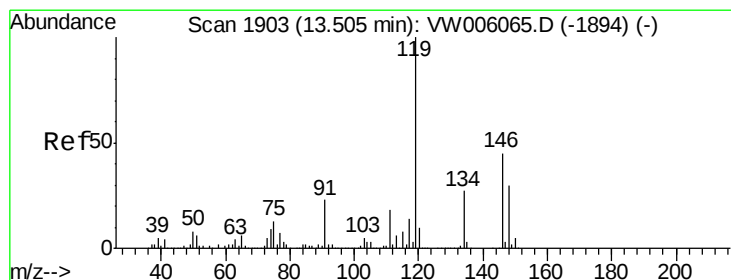
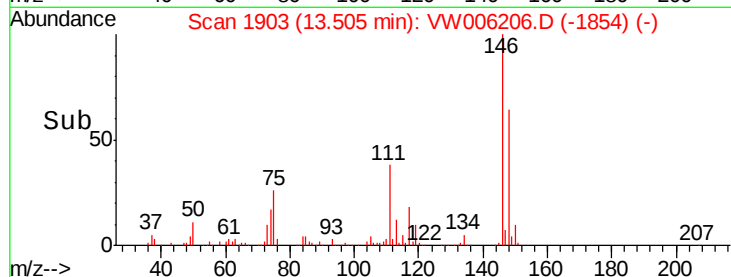
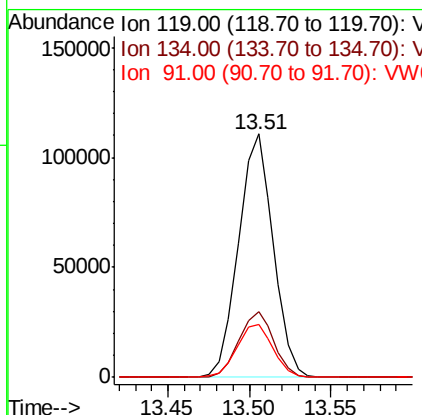
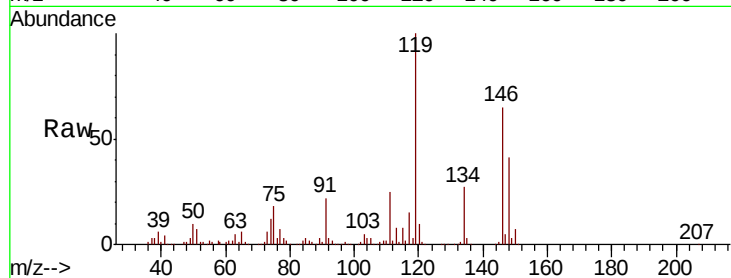




#86
 p-Isopropyltoluene
 Concen: 36.641 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

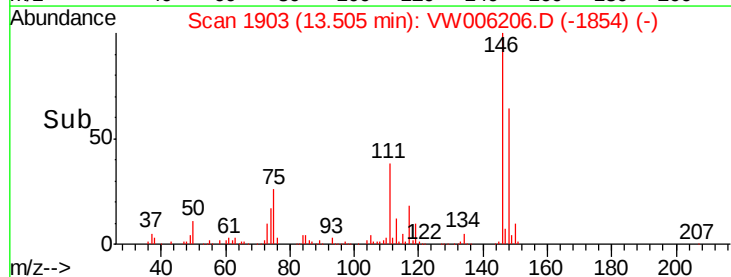
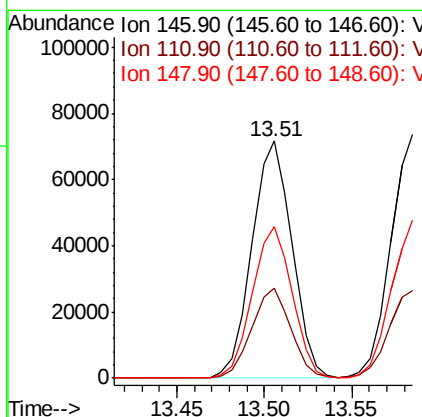
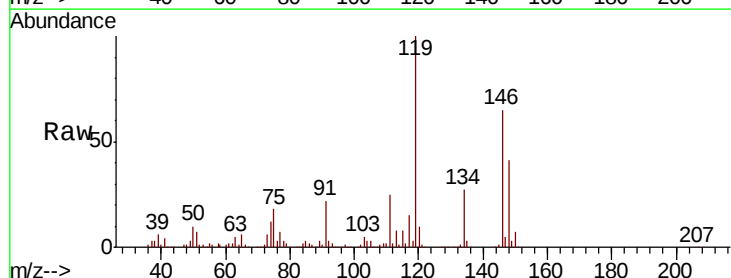
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

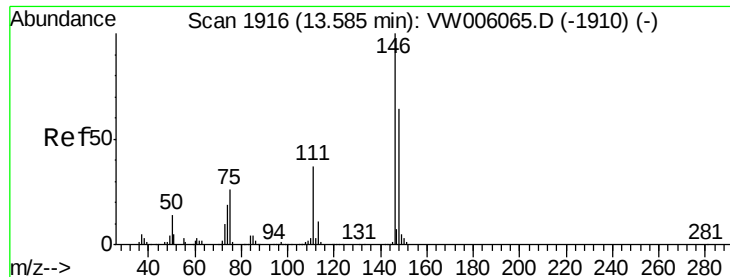
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	22.9	11.4	34.1



#87
 1,3-Dichlorobenzene
 Concen: 50.183 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.5
148	63.8	32.0	96.2





#88

1,4-Dichlorobenzene

Concen: 51.584 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

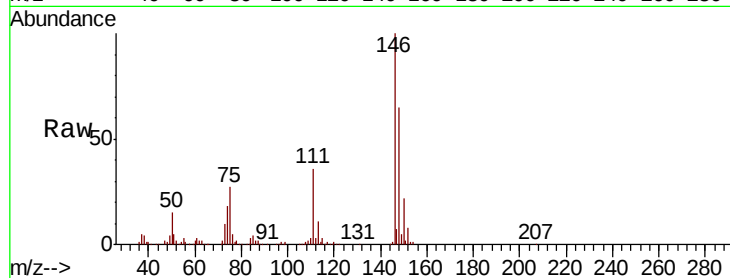
Tot Ion:146 Resp: 116373

Ion Ratio Lower Upper

146 100

111 36.5 18.6 56.0

148 63.9 32.1 96.5

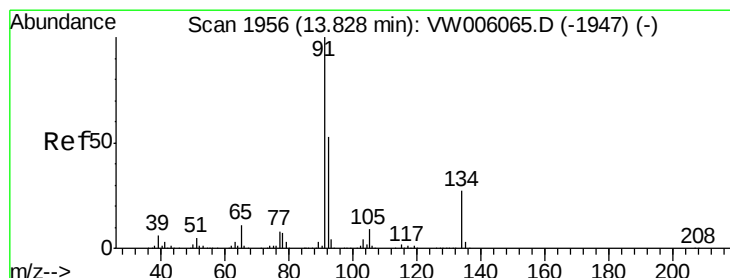
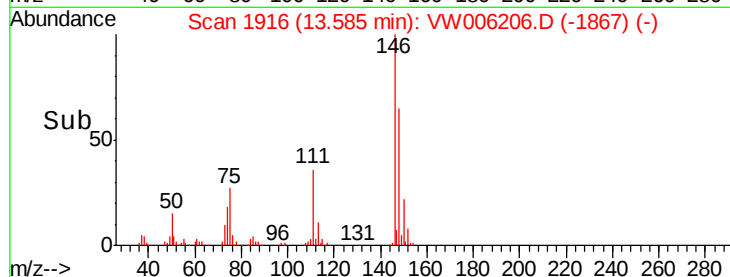
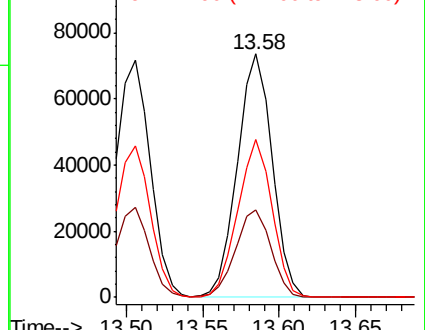


Abundance

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: 25.190 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

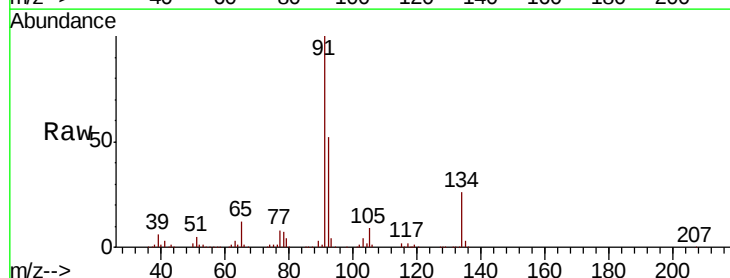
Tgt Ion: 91 Resp: 103206

Ion Ratio Lower Upper

91 100

92 51.6 26.6 79.7

134 26.9 14.0 41.9

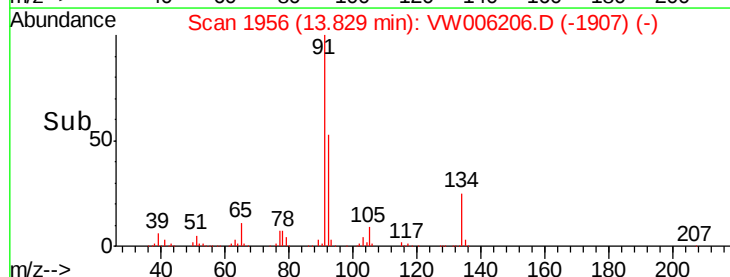
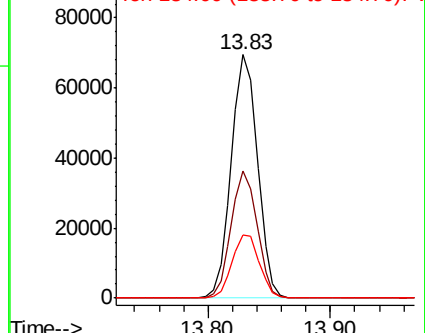


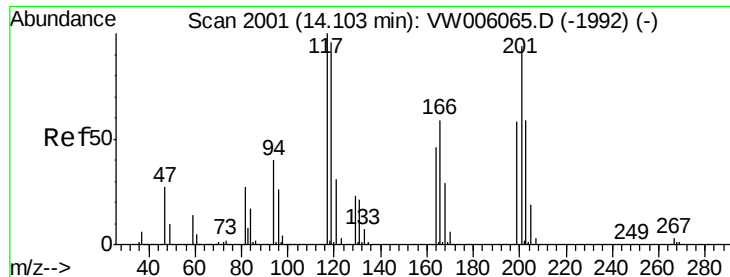
Abundance

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: 30.366 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

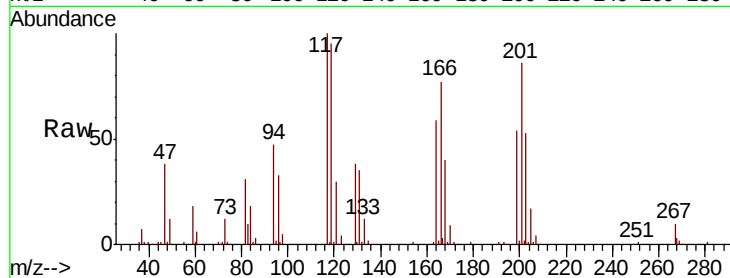
RLF-SD-5MSD

Tot Ion:117 Resp: 23043

Ion Ratio Lower Upper

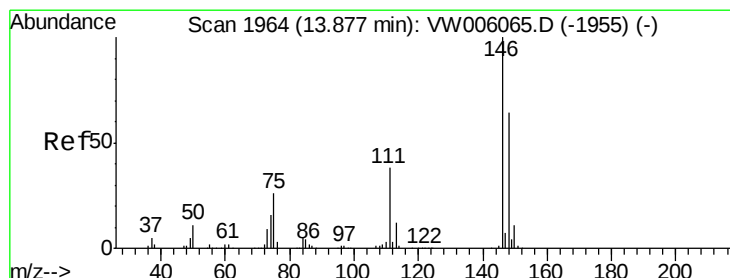
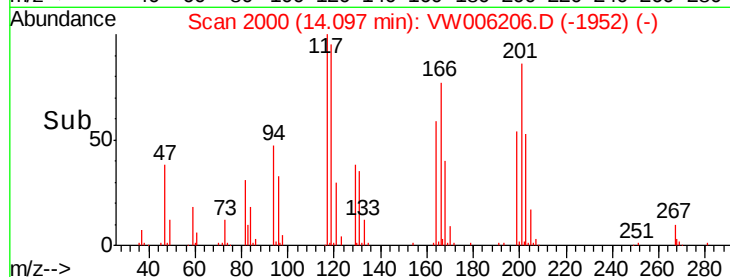
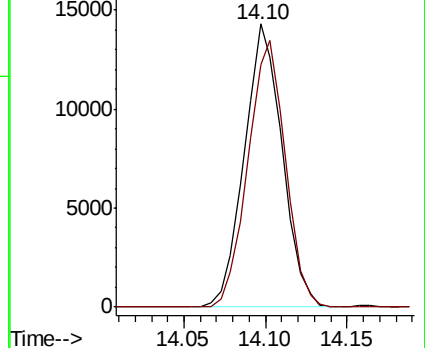
117 100

201 93.0 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: 51.483 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

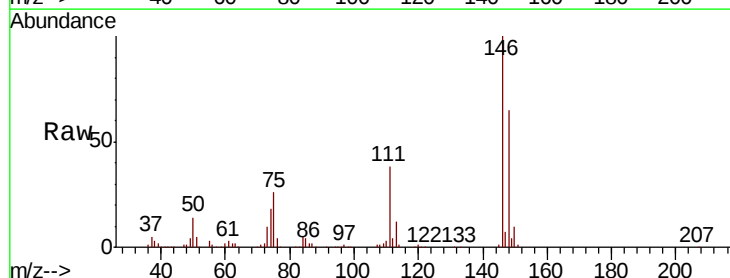
Tgt Ion:146 Resp: 104052

Ion Ratio Lower Upper

146 100

111 38.4 19.6 58.7

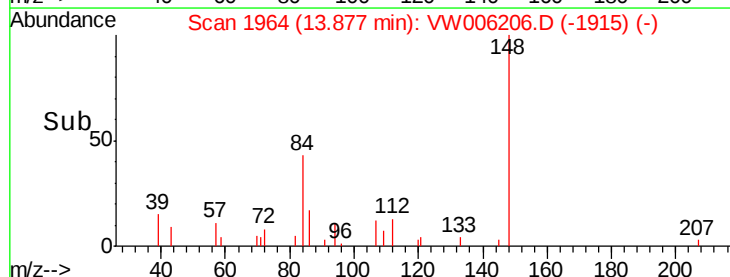
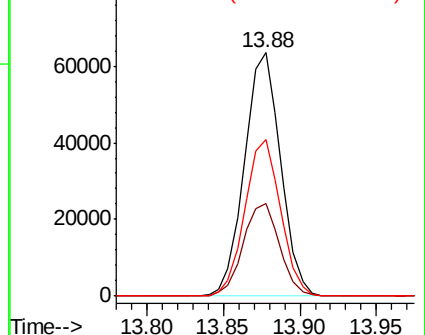
148 63.7 32.2 96.6

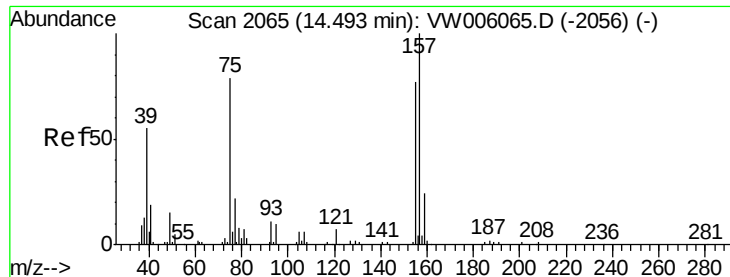


Abundance Ion 145.90 (145.60 to 146.60): V

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: 76.902 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

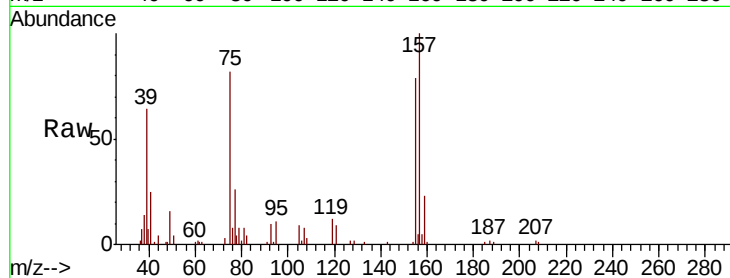
Tot Ion: 75 Resp: 9734

Ion Ratio Lower Upper

75 100

155 93.4 46.5 139.5

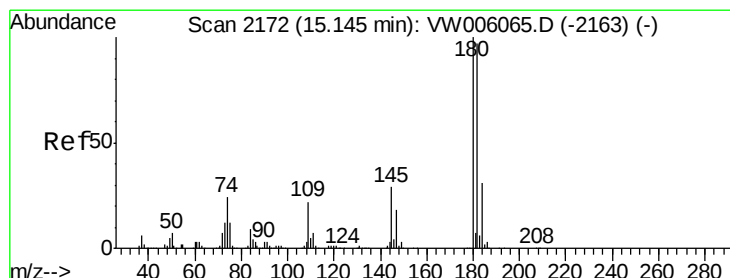
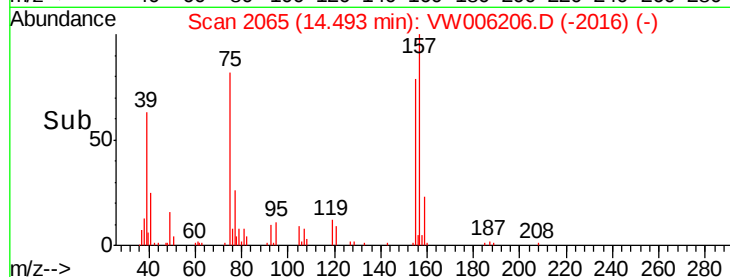
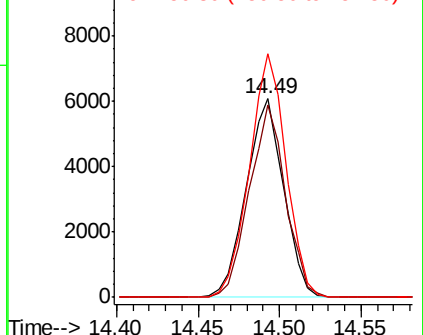
157 119.5 59.8 179.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 22.447 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

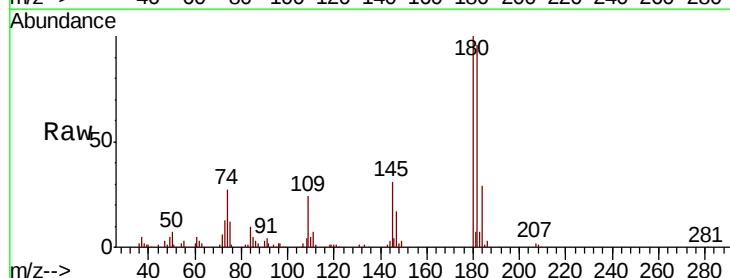
Tgt Ion: 180 Resp: 34907

Ion Ratio Lower Upper

180 100

182 94.6 47.9 143.6

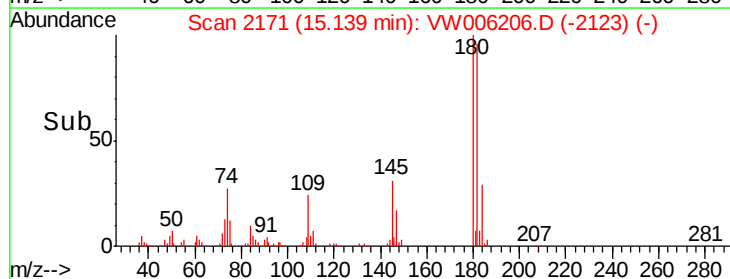
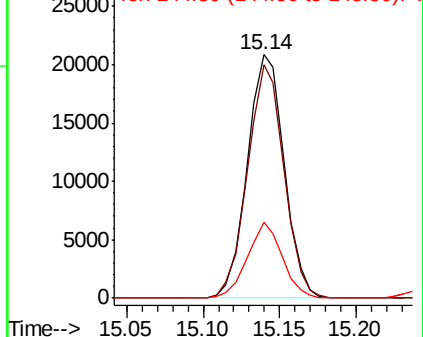
145 29.5 14.2 42.8

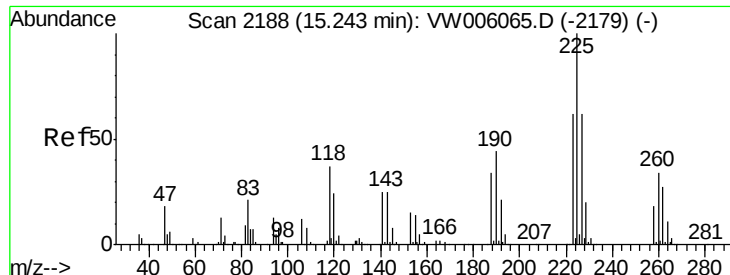


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 13.395 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-5MSD

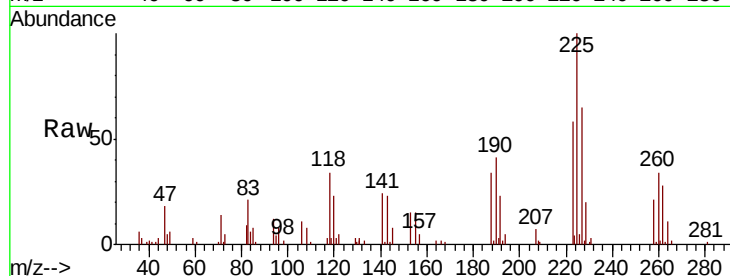
Tot Ion:225 Resp: 13086

Ion Ratio Lower Upper

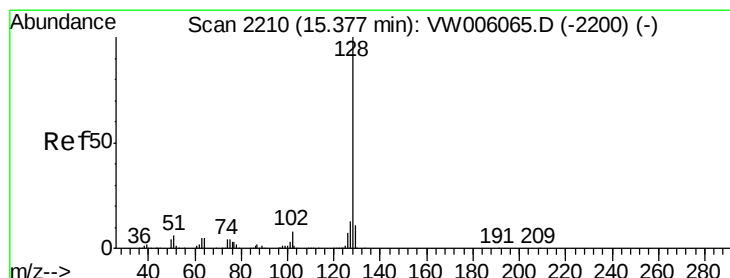
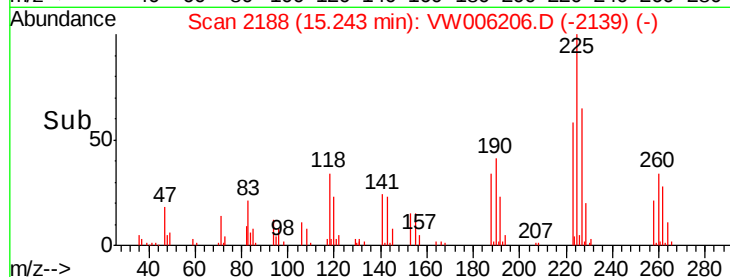
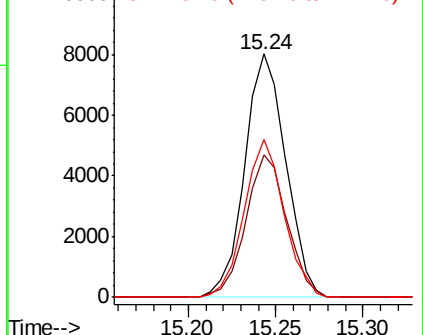
225 100

223 58.4 31.1 93.5

227 62.7 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: 37.223 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006206.D

Acq: 19 Oct 2018 06:30

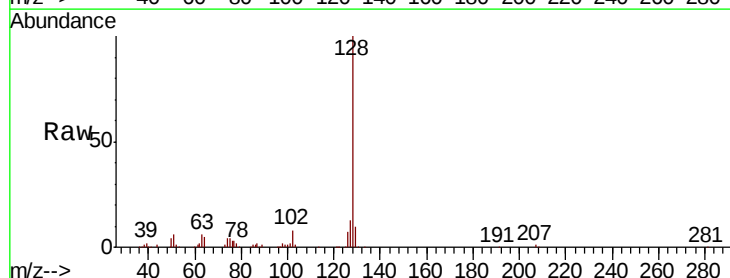
Tgt Ion:128 Resp: 96294

Ion Ratio Lower Upper

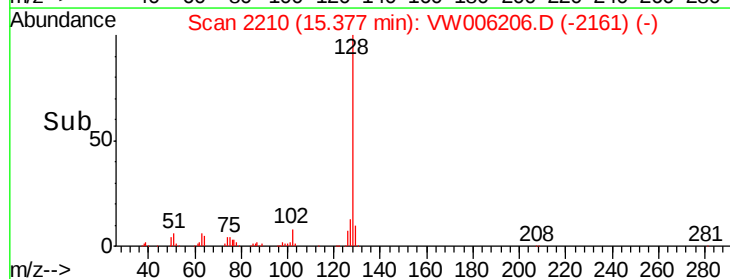
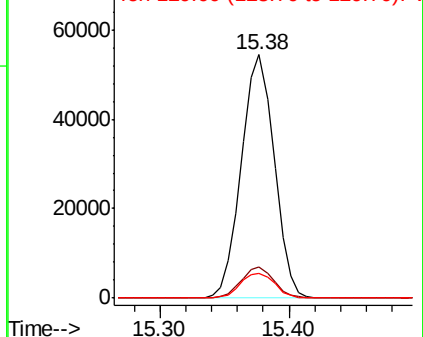
128 100

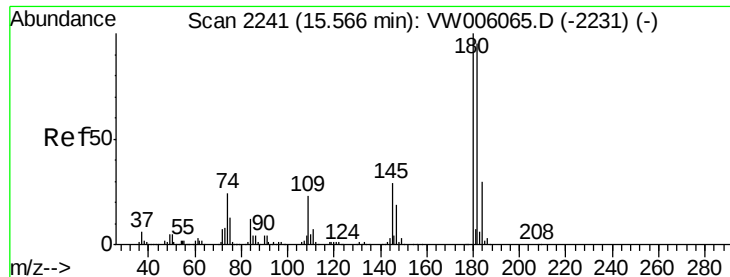
127 12.7 10.3 15.5

129 10.6 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: 21.453 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW006206.D
 Acq: 19 Oct 2018 06:30

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.8	143.3
145	30.5	15.0	45.1

