

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
 Data File : VW004617.D
 Acq On : 11 Aug 2018 01:34
 Operator : SY/AP
 Sample : VW0813SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Quant Time: Aug 11 03:06:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	602349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	962651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	928171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	490174	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	338245	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.88	113	324271	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.33	98	1274812	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.62	95	462489	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	83396	20.175	ug/l 98
3) Chloromethane	2.22	50	114855	19.944	ug/l 100
4) Vinyl Chloride	2.37	62	170493	21.193	ug/l 96
5) Bromomethane	2.78	94	103255	22.043	ug/l 98
6) Chloroethane	2.93	64	101873	21.193	ug/l 94
7) Trichlorofluoromethane	3.25	101	70558	23.747	ug/l 98
8) Diethyl Ether	3.67	74	76989	20.483	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	133926	20.407	ug/l 99
10) Methyl Iodide	4.26	142	211688	21.499	ug/l 100
11) Tert butyl alcohol	5.20	59	40419	103.529	ug/l 99
12) 1,1-Dichloroethene	4.04	96	133512	20.212	ug/l 97
13) Acrolein	3.89	56	45115	94.313	ug/l 99
14) Allyl chloride	4.66	41	208762	21.035	ug/l 99
15) Acrylonitrile	5.37	53	169383	101.408	ug/l 99
16) Acetone	4.14	43	167139	100.373	ug/l 98
17) Carbon Disulfide	4.37	76	437515	20.610	ug/l 99
18) Methyl Acetate	4.68	43	81978	19.743	ug/l 98
19) Methyl tert-butyl Ether	5.43	73	179553	19.928	ug/l 95
20) Methylene Chloride	4.91	84	196795	18.640	ug/l 99
21) trans-1,2-Dichloroethene	5.42	96	147885	20.775	ug/l 95
22) Diisopropyl ether	6.31	45	448401	21.986	ug/l 98
23) Vinyl Acetate	6.26	43	1188858	96.992	ug/l 100
24) 1,1-Dichloroethane	6.21	63	272091	20.843	ug/l 99
25) 2-Butanone	7.18	43	253750	94.733	ug/l 99
26) 2,2-Dichloropropane	7.17	77	139895	20.418	ug/l 98
27) cis-1,2-Dichloroethene	7.17	96	161816	21.128	ug/l 100
28) Bromochloromethane	7.51	49	119596	21.056	ug/l 99
29) Tetrahydrofuran	7.54	42	131086	94.663	ug/l 99
30) Chloroform	7.68	83	271118	21.145	ug/l 100
31) Cyclohexane	7.96	56	241445	19.330	ug/l 95
32) 1,1,1-Trichloroethane	7.87	97	202425	21.017	ug/l 99
36) 1,1-Dichloropropene	8.09	75	202838	19.570	ug/l 99
37) Ethyl Acetate	7.26	43	90424	18.627	ug/l 100
38) Carbon Tetrachloride	8.07	117	183244	19.646	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	237448	18.690	ug/l	97
40) Benzene	8.32	78	626958	20.598	ug/l	100
41) Methacrylonitrile	7.49	41	51089	18.843	ug/l	99
42) 1,2-Dichloroethane	8.40	62	169420	20.118	ug/l	100
43) Isopropyl Acetate	8.43	43	157917	18.662	ug/l	99
44) Trichloroethene	9.09	130	149462	19.983	ug/l	96
45) 1,2-Dichloropropane	9.37	63	159298	20.898	ug/l	97
46) Dibromomethane	9.46	93	78073	20.120	ug/l	99
47) Bromodichloromethane	9.65	83	182193	19.891	ug/l	99
48) Methyl methacrylate	9.44	41	75084	18.985	ug/l	98
49) 1,4-Dioxane	9.46	88	24622	415.904	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	558582	94.835	ug/l	100
52) Toluene	10.39	92	378330	21.079	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	176866	19.230	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	212647	19.839	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	112099	20.155	ug/l	97
56) Ethyl methacrylate	10.65	69	125845	18.899	ug/l	98
57) 1,3-Dichloropropane	10.93	76	193704	20.207	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	327111	98.136	ug/l	99
59) 2-Hexanone	10.98	43	372841	93.362	ug/l	97
60) Dibromochloromethane	11.13	129	119439	19.744	ug/l	100
61) 1,2-Dibromoethane	11.24	107	104298	19.960	ug/l	100
64) Tetrachloroethene	10.87	164	132422	20.452	ug/l	97
65) Chlorobenzene	11.66	112	418398	20.454	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	139827	20.078	ug/l	99
67) Ethyl Benzene	11.74	91	697995	20.129	ug/l	98
68) m/p-Xylenes	11.85	106	550302	41.064	ug/l	99
69) o-Xylene	12.17	106	253542	20.401	ug/l	99
70) Styrene	12.18	104	436003	20.764	ug/l	100
71) Bromoform	12.35	173	71984	18.803	ug/l #	99
73) Isopropylbenzene	12.47	105	686673	20.253	ug/l	99
74) N-amyl acetate	12.28	43	148315	18.040	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	135660	19.167	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	172258	33.961	ug/l #	100
77) Bromobenzene	12.75	156	169173	20.623	ug/l	98
78) n-propylbenzene	12.81	91	866110	20.702	ug/l	100
79) 2-Chlorotoluene	12.90	91	503490	20.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	606810	20.981	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36915	17.422	ug/l	98
82) 4-Chlorotoluene	12.99	91	538467	20.956	ug/l	99
83) tert-Butylbenzene	13.21	119	493742	20.352	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	628461	20.990	ug/l	99
85) sec-Butylbenzene	13.39	105	742781	20.296	ug/l	100
86) p-Isopropyltoluene	13.51	119	651863	20.555	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	346741	20.514	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	345251	20.519	ug/l	99
89) n-Butylbenzene	13.83	91	621612	19.949	ug/l	99
90) Hexachloroethane	14.10	117	116328	19.826	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	314819	20.530	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21526	18.613	ug/l	95

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration

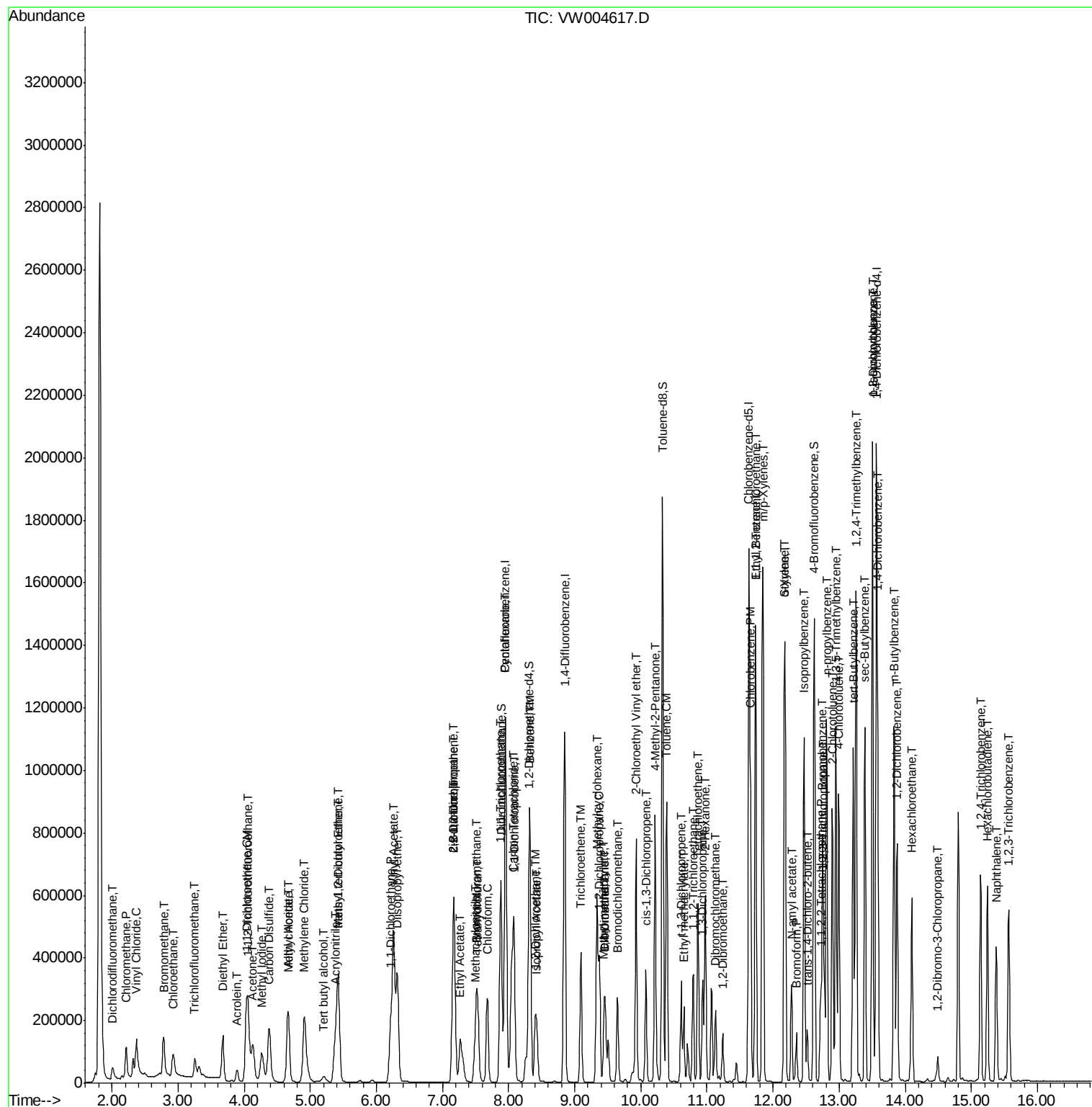
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	216010	20.346	ug/l	100
94) Hexachlorobutadiene	15.24	225	126395	20.446	ug/l	100
95) Naphthalene	15.38	128	378180	19.169	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	195972	20.541	ug/l	99

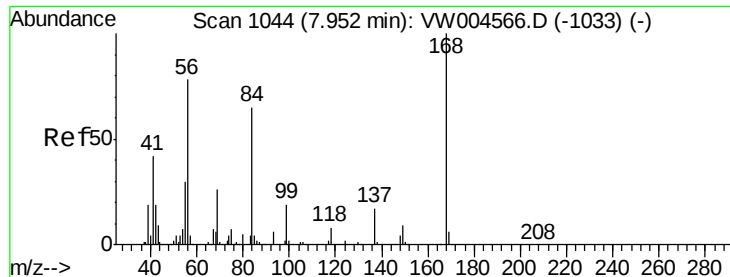
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

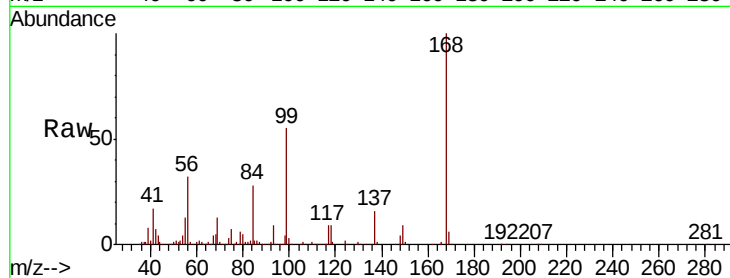
VW0813SBSD02

Tgt Ion:168 Resp: 602349

Ion Ratio Lower Upper

168 100

99 54.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

150000

100000

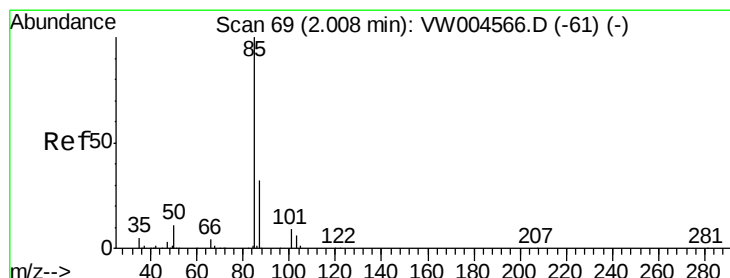
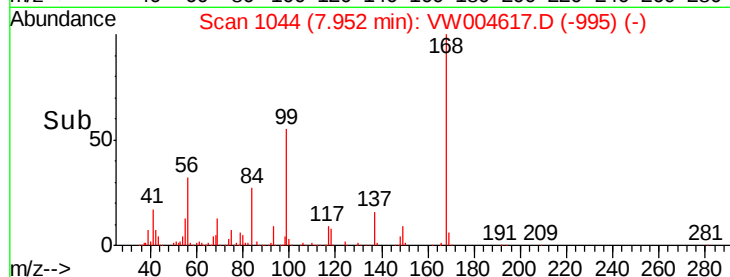
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.175 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004617.D

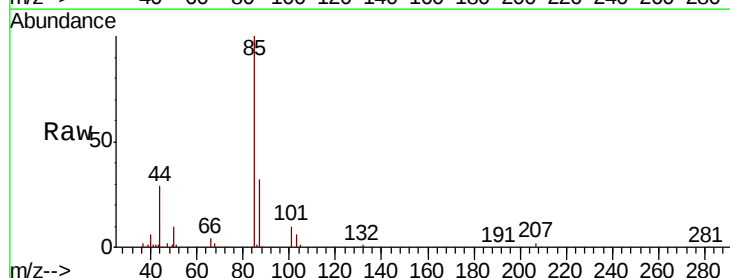
Acq: 11 Aug 2018 01:34

Tgt Ion: 85 Resp: 83396

Ion Ratio Lower Upper

85 100

87 32.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

10000

5000

0

1.90

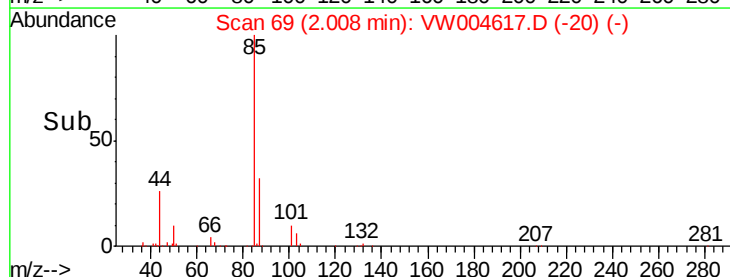
2.00

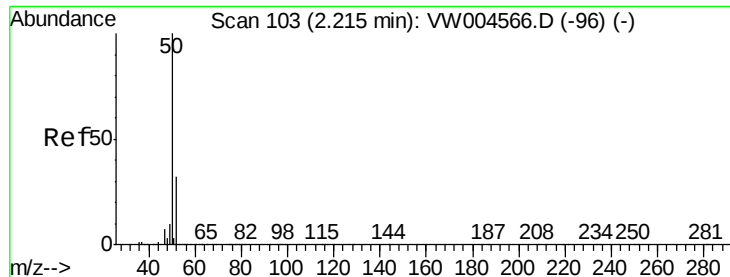
2.10

2.20

2.30

Time-->





#3

Chloromethane

Concen: 19.944 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

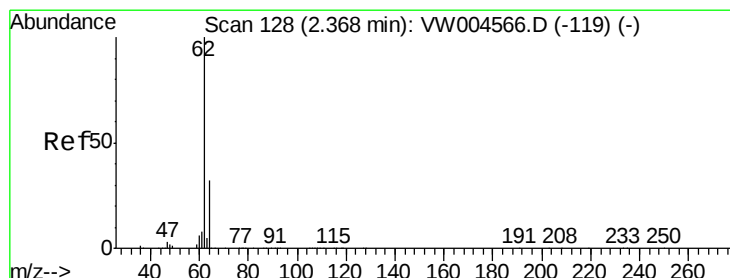
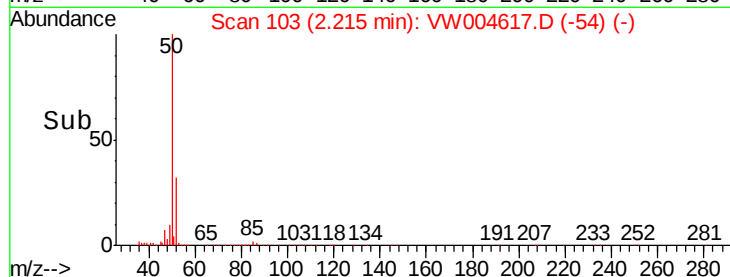
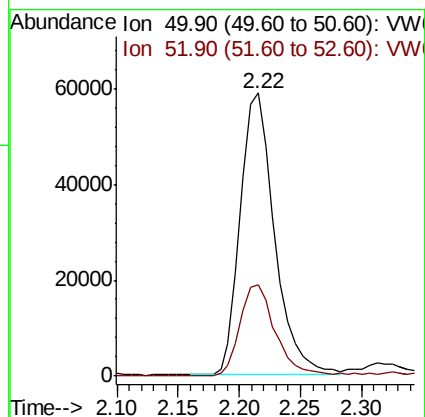
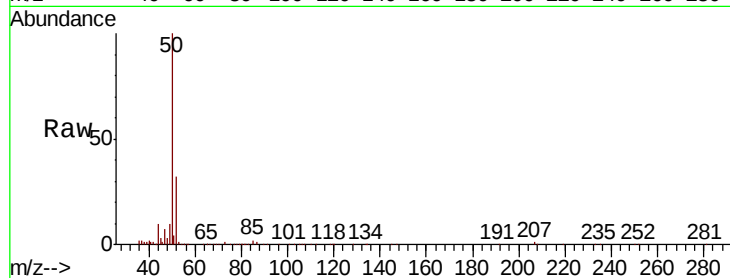
VW0813SBSD02

Tgt Ion: 50 Resp: 114855

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.8



#4

Vinyl Chloride

Concen: 21.193 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004617.D

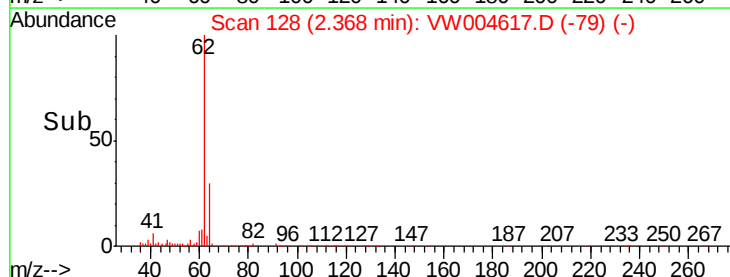
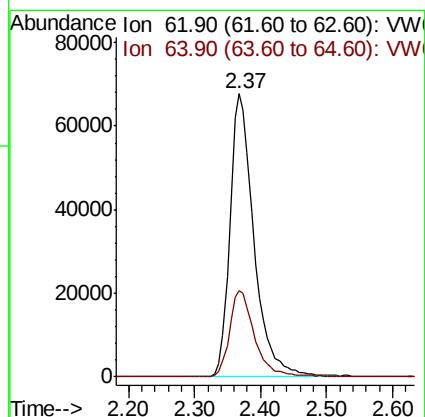
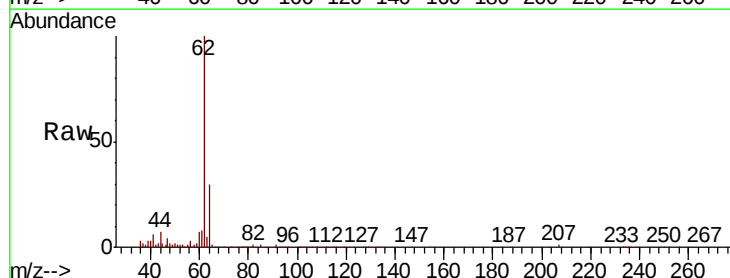
Acq: 11 Aug 2018 01:34

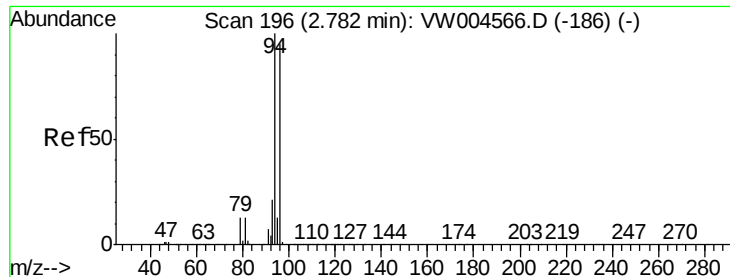
Tgt Ion: 62 Resp: 170493

Ion Ratio Lower Upper

62 100

64 30.3 26.2 39.2





#5

Bromomethane

Concen: 22.043 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

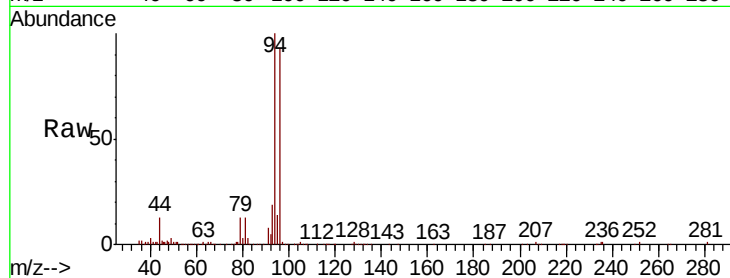
VW0813SBSD02

Tgt Ion: 94 Resp: 103255

Ion Ratio Lower Upper

94 100

96 92.8 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

40000

30000

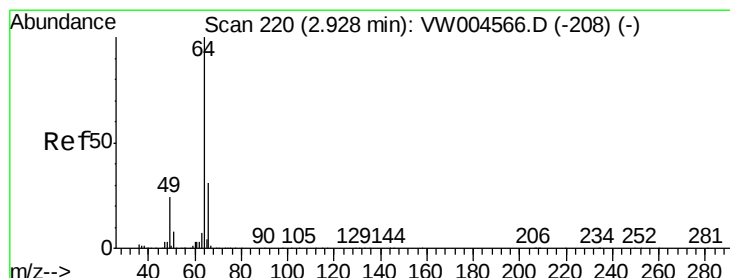
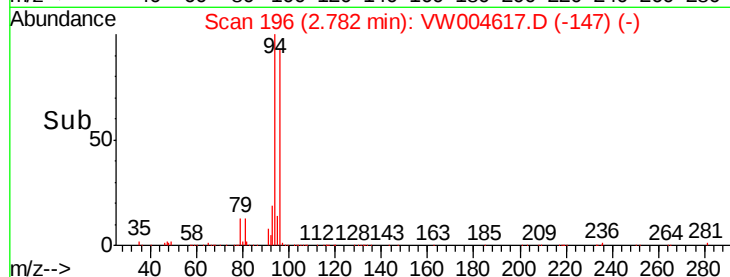
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 21.193 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004617.D

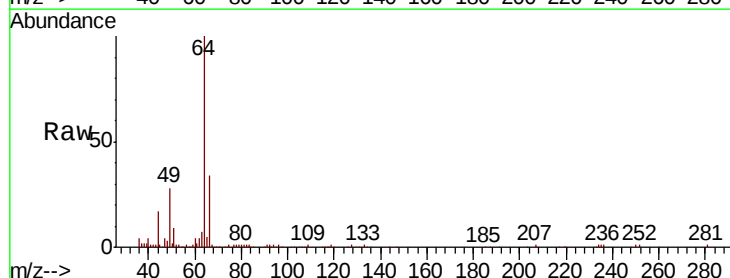
Acq: 11 Aug 2018 01:34

Tgt Ion: 64 Resp: 101873

Ion Ratio Lower Upper

64 100

66 33.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

40000

30000

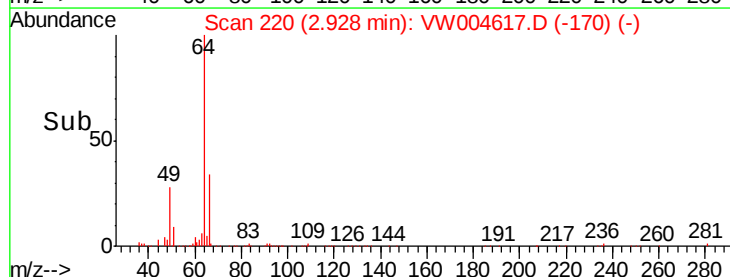
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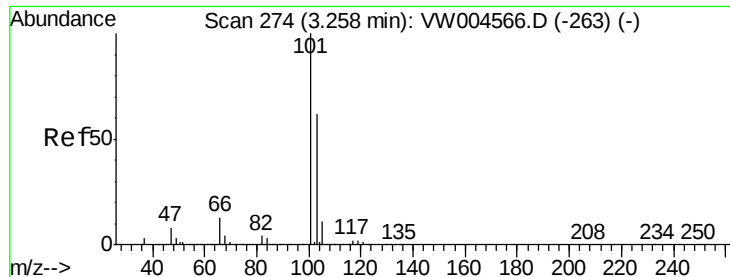
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0

Time-->

2.80 2.90 3.00 3.10



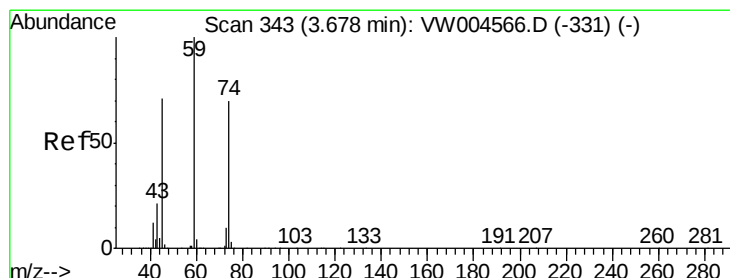
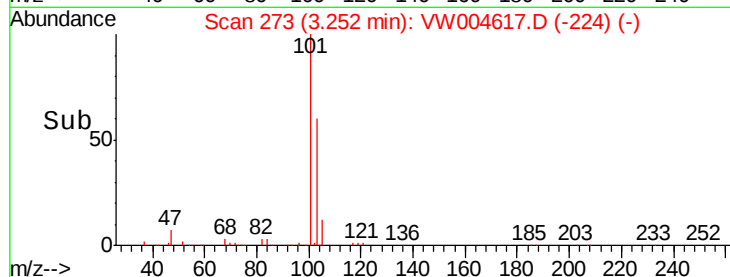
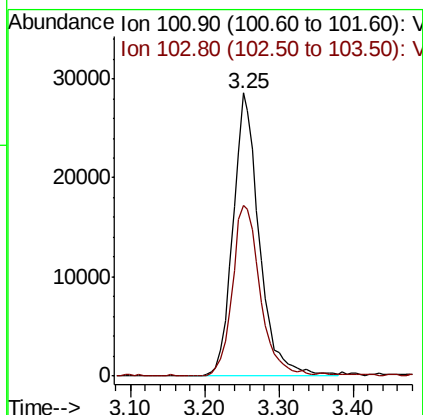
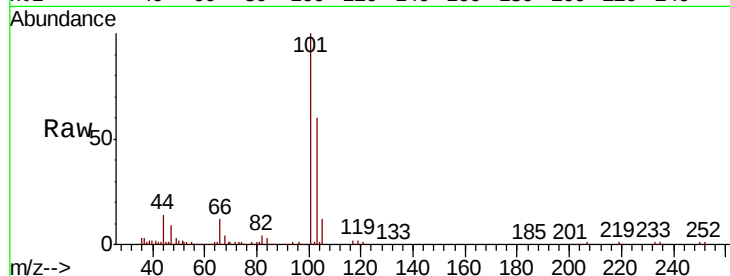


#7

Trichlorofluoromethane
 Concen: 23.747 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

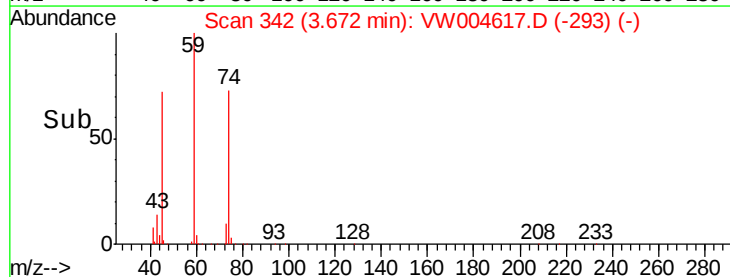
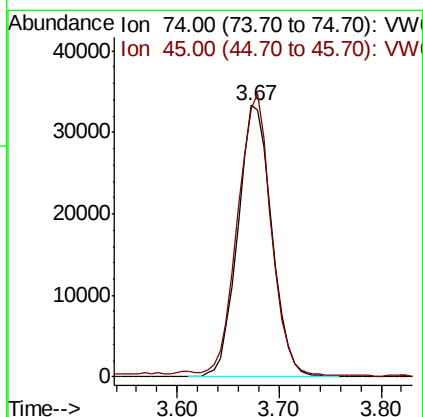
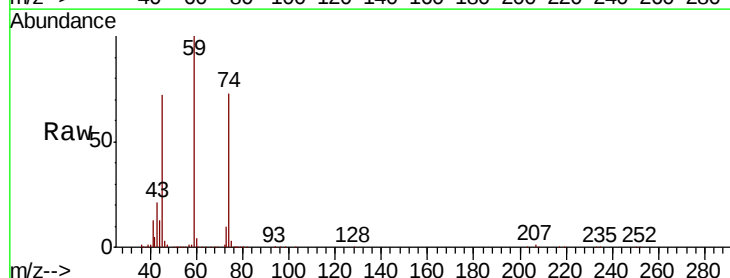
Tgt Ion: 101 Resp: 70558
 Ion Ratio Lower Upper
 101 100
 103 60.4 49.8 74.8

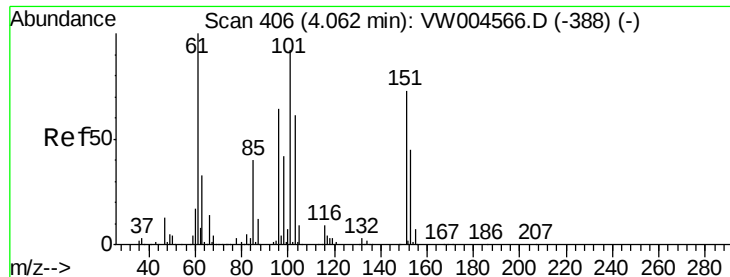


#8

Diethyl Ether
 Concen: 20.483 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion: 74 Resp: 76989
 Ion Ratio Lower Upper
 74 100
 45 102.3 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.407 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

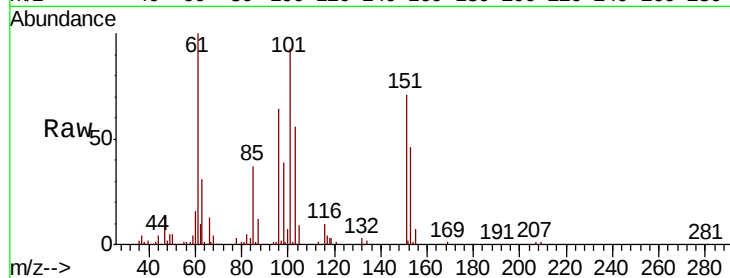
Tgt Ion:101 Resp: 133926

Ion Ratio Lower Upper

101 100

85 42.9 34.6 51.8

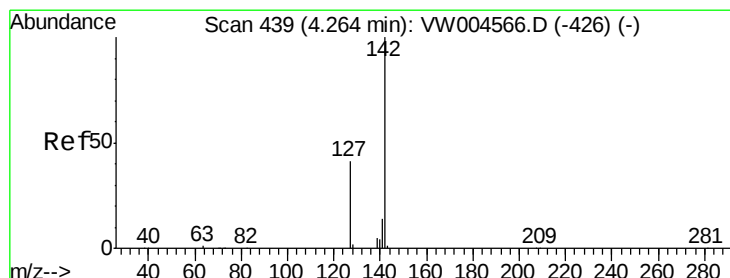
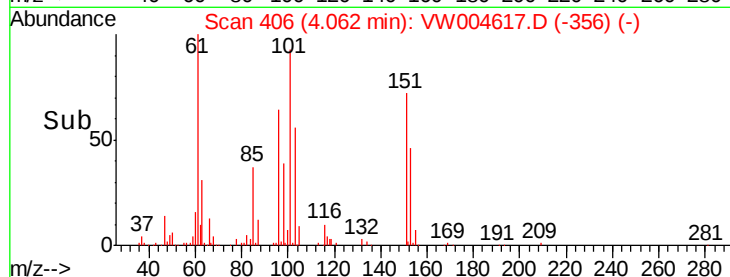
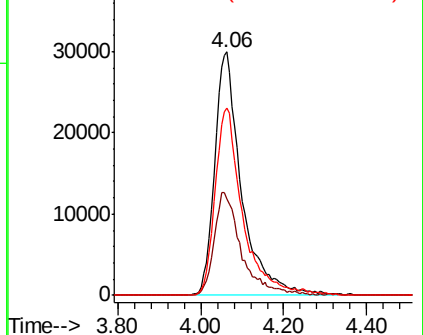
151 77.5 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.499 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

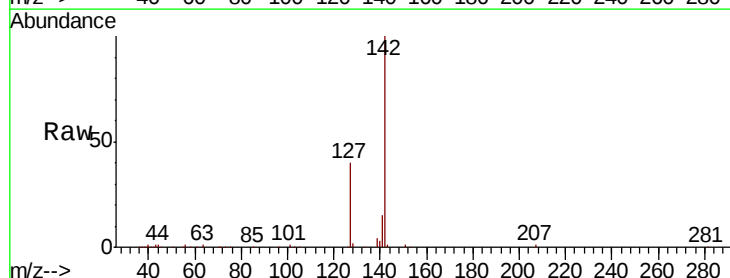
Tgt Ion:142 Resp: 211688

Ion Ratio Lower Upper

142 100

127 41.0 32.7 49.1

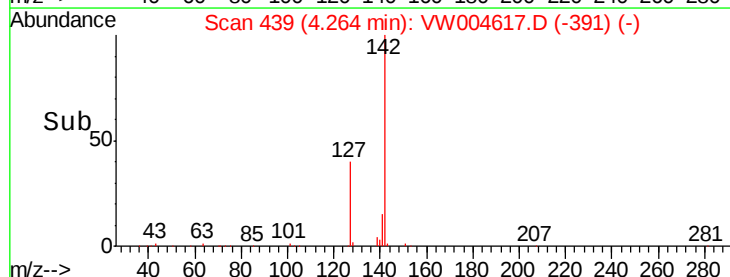
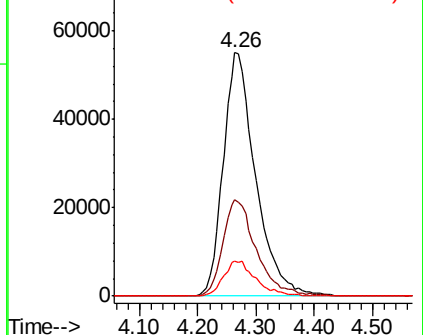
141 14.6 11.5 17.3

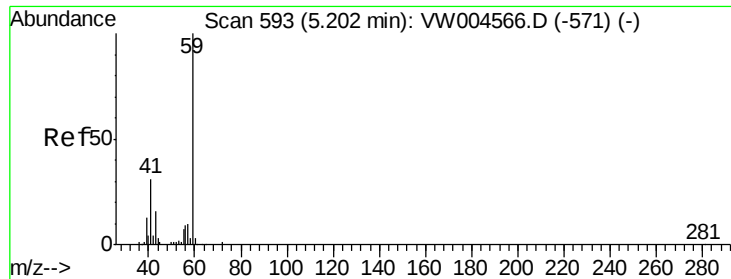


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

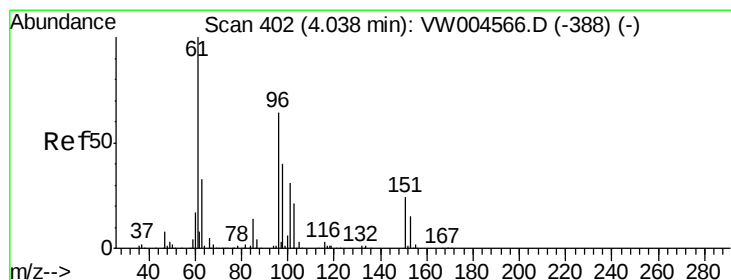
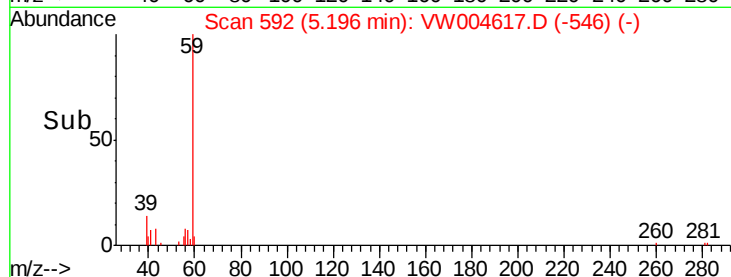
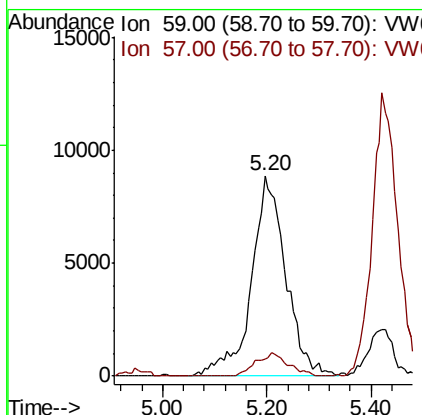
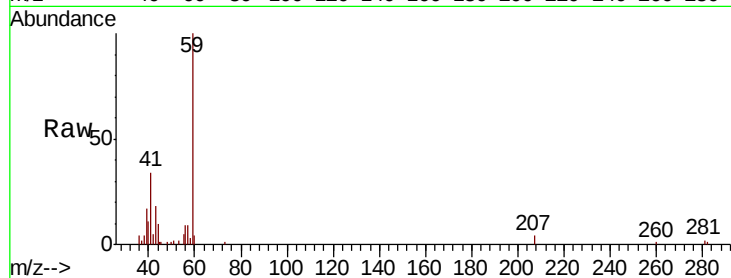




#11
Tert butyl alcohol
Concen: 103.529 ug/l
RT: 5.20 min Scan# 592
Delta R.T. -0.02 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

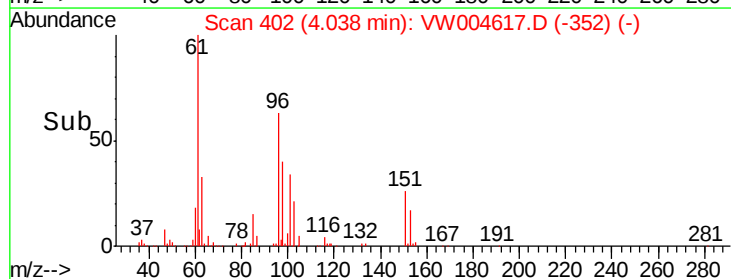
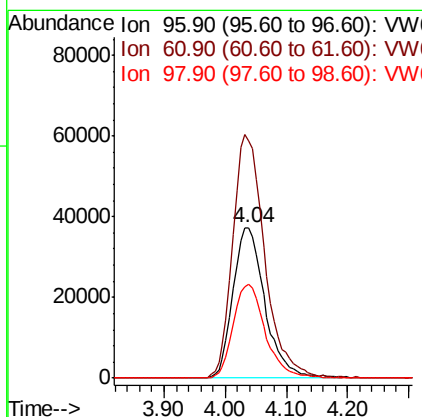
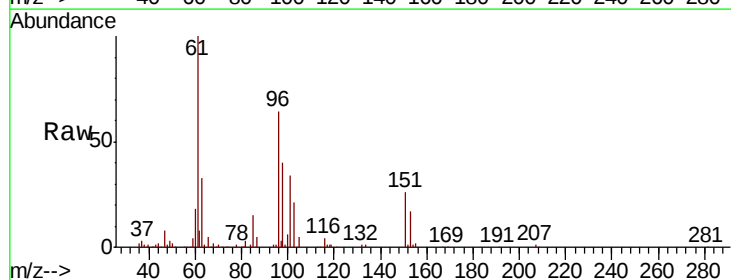
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

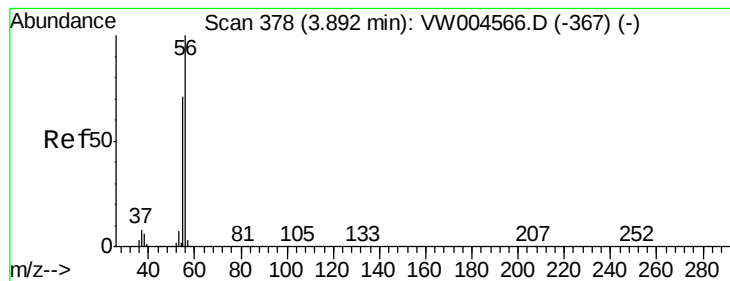
Tgt Ion: 59 Resp: 40419
Ion Ratio Lower Upper
59 100
57 10.9 9.1 13.7



#12
1,1-Dichloroethene
Concen: 20.212 ug/l
RT: 4.04 min Scan# 402
Delta R.T. 0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion: 96 Resp: 133512
Ion Ratio Lower Upper
96 100
61 157.6 130.6 195.8
98 62.8 49.6 74.4





#13

Acrolein

Concen: 94.313 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

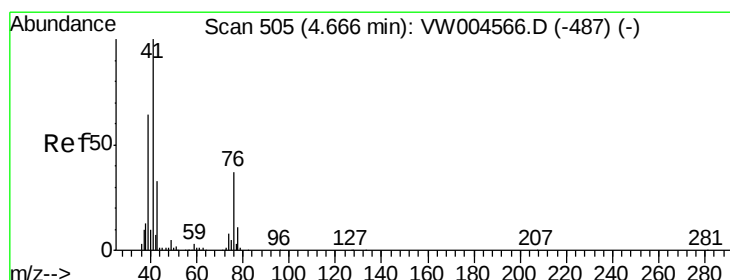
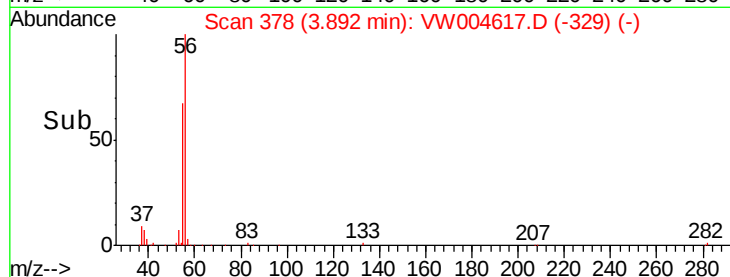
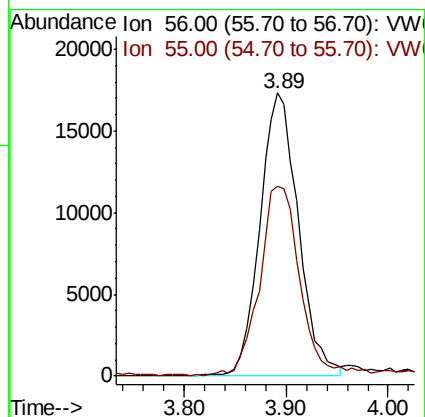
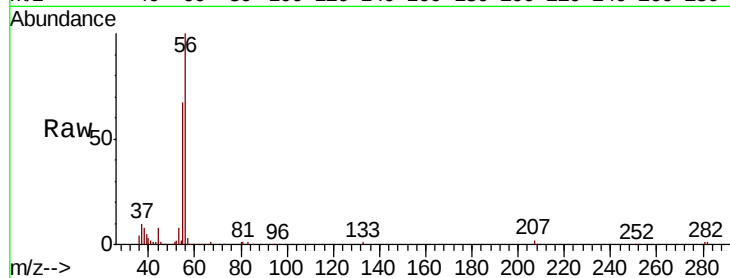
VW0813SBSD02

Tgt Ion: 56 Resp: 45115

Ion Ratio Lower Upper

56 100

55 71.4 56.7 85.1



#14

Allyl chloride

Concen: 21.035 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

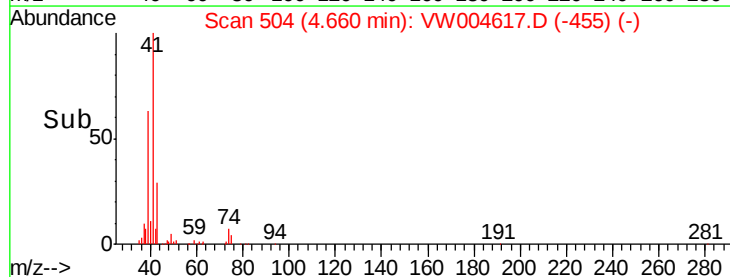
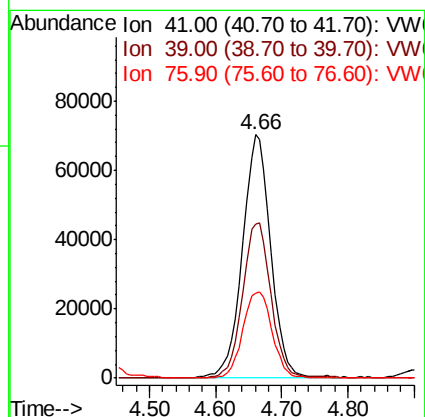
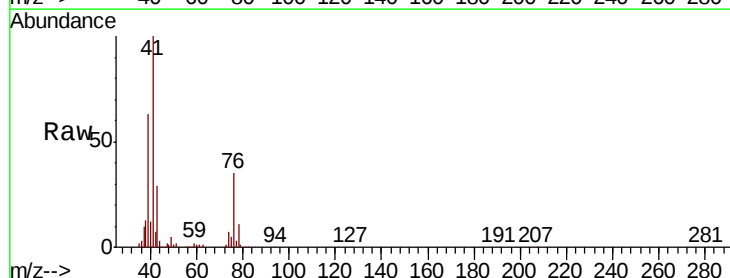
Tgt Ion: 41 Resp: 208762

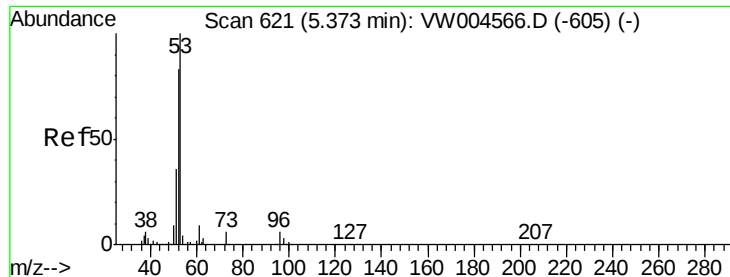
Ion Ratio Lower Upper

41 100

39 64.4 51.9 77.9

76 36.7 29.0 43.6





#15

Acrylonitrile

Concen: 101.408 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

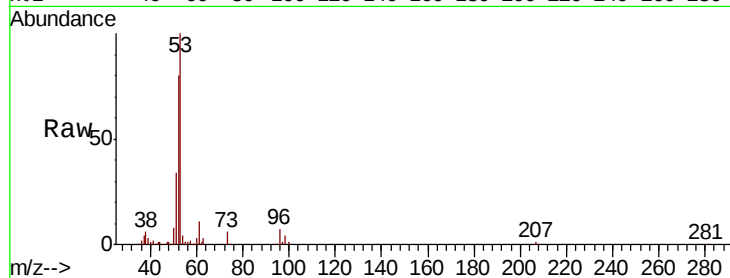
Tgt Ion: 53 Resp: 169383

Ion Ratio Lower Upper

53 100

52 82.1 66.5 99.7

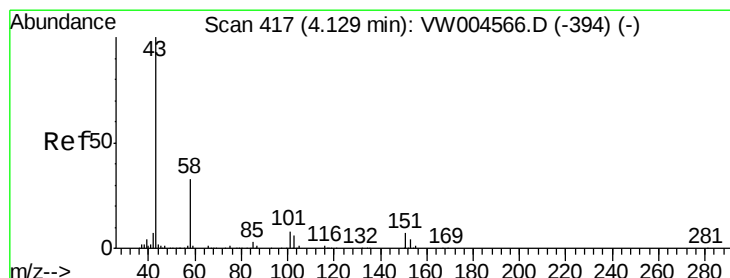
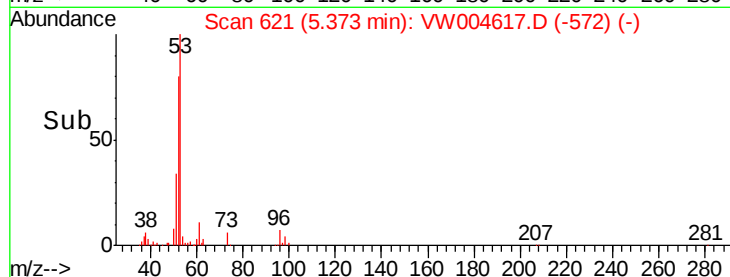
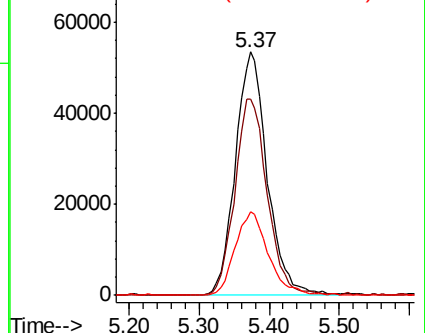
51 36.0 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 100.373 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW004617.D

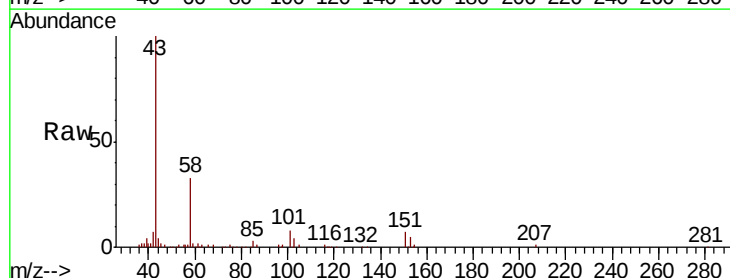
Acq: 11 Aug 2018 01:34

Tgt Ion: 43 Resp: 167139

Ion Ratio Lower Upper

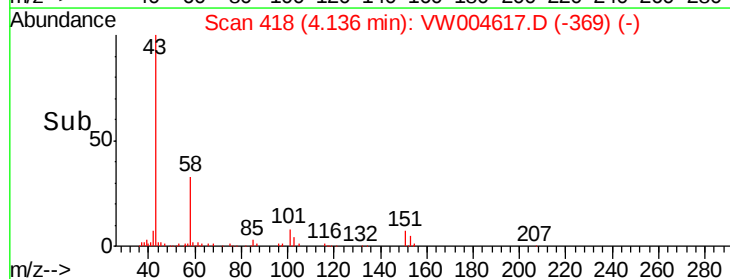
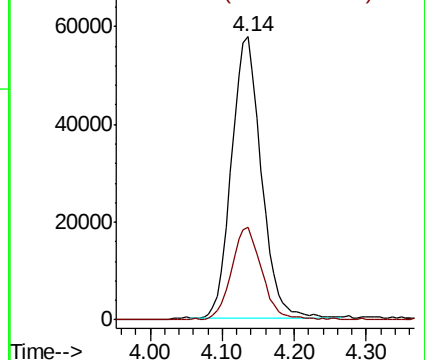
43 100

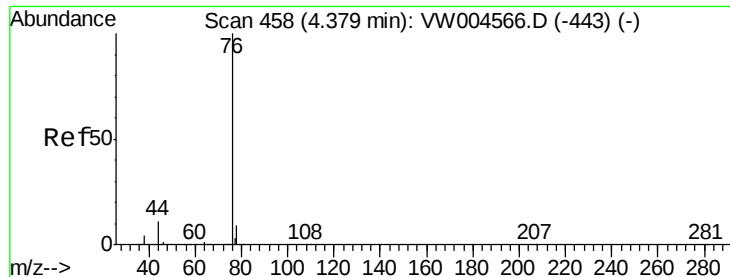
58 32.4 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

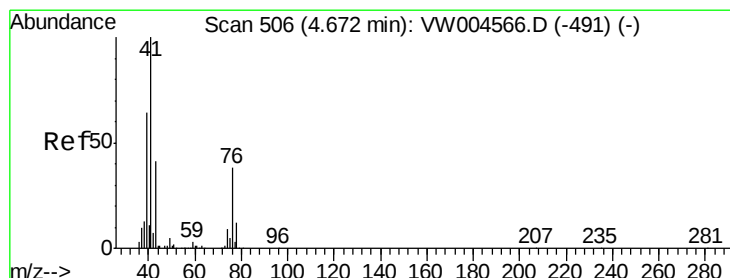
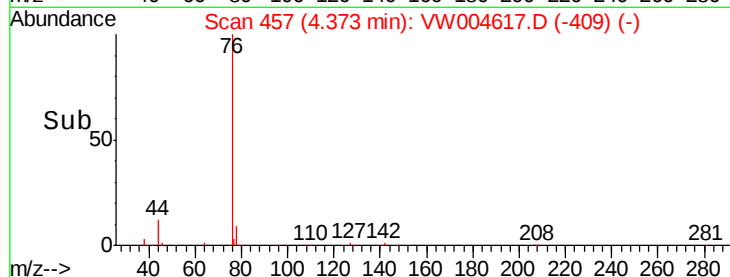
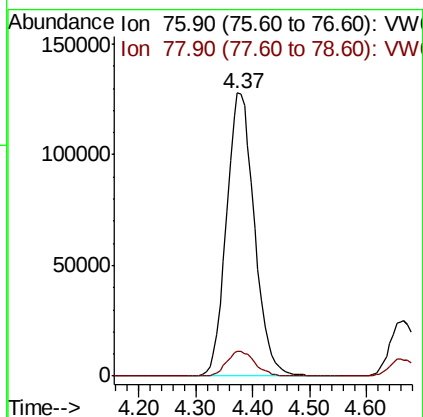
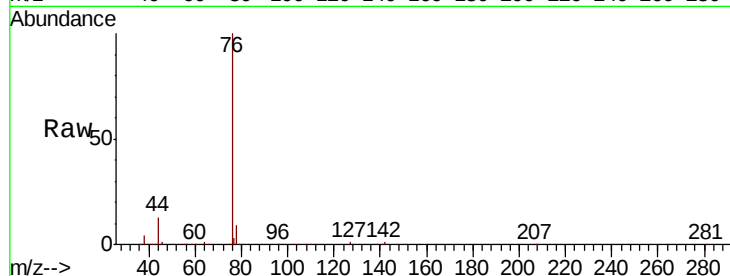




#17
Carbon Disulfide
Concen: 20.610 ug/l
RT: 4.37 min Scan# 457
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

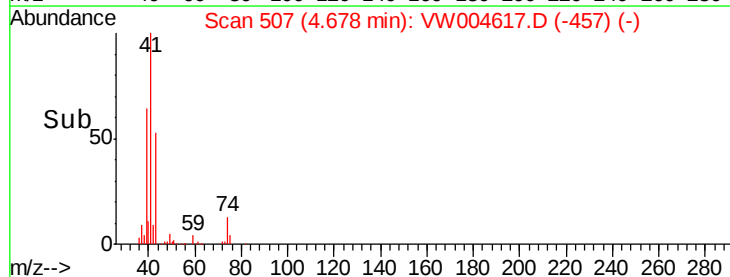
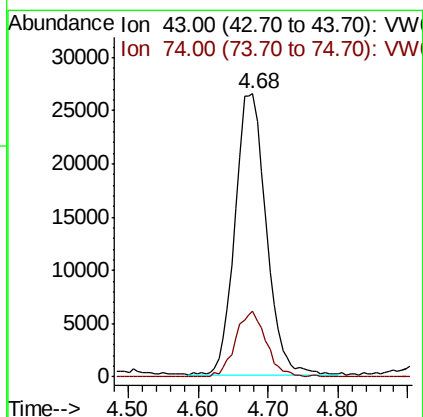
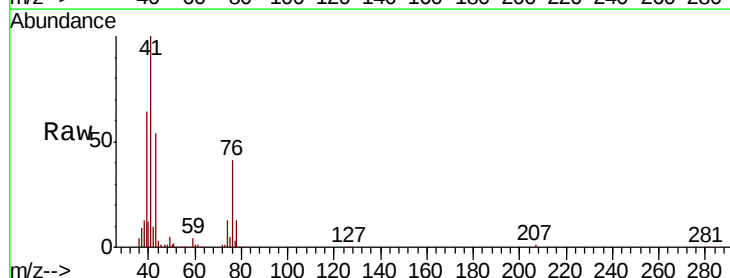
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

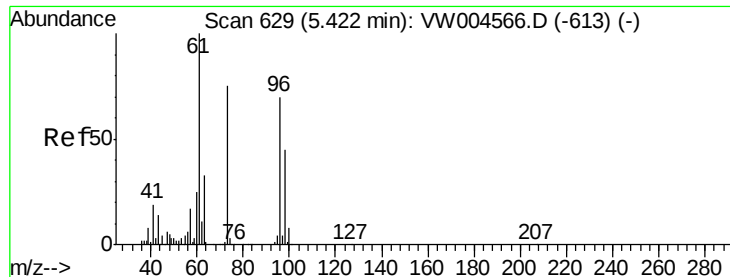
Tgt Ion: 76 Resp: 437515
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4



#18
Methyl Acetate
Concen: 19.743 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion: 43 Resp: 81978
Ion Ratio Lower Upper
43 100
74 23.0 19.1 28.7



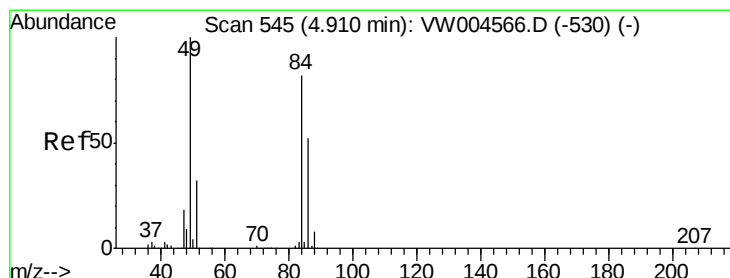
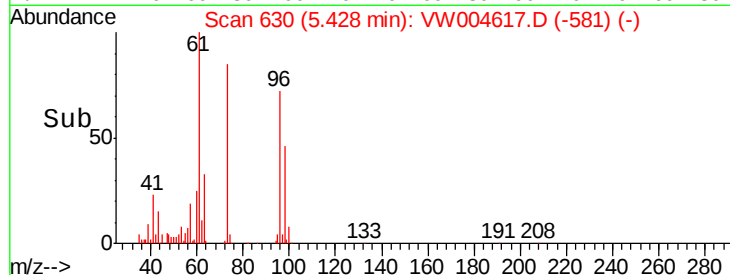
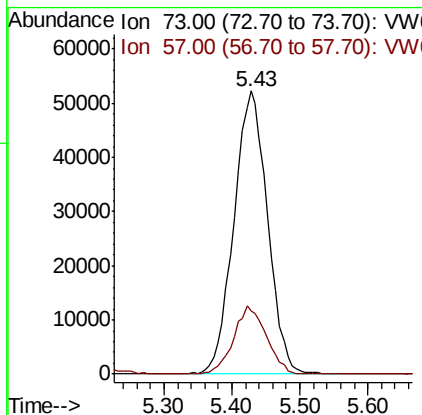
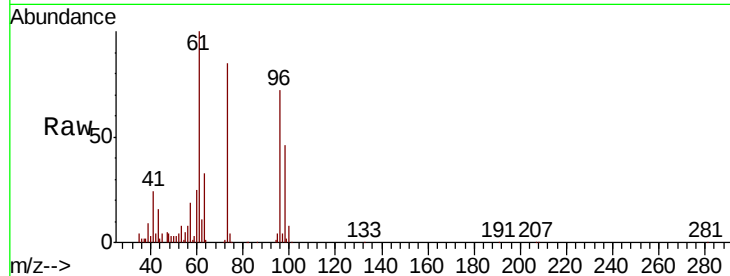


#19

Methyl tert-butyl Ether
 Concen: 19.928 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

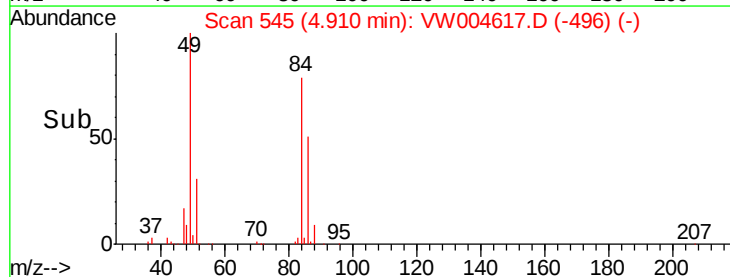
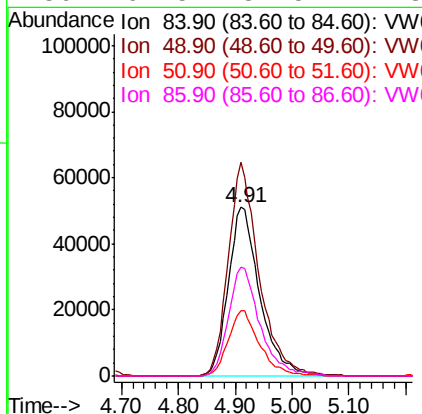
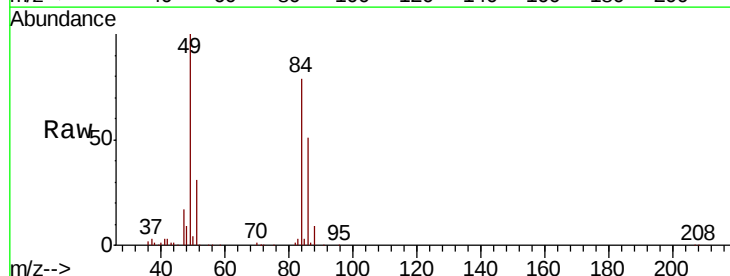
Tgt Ion: 73 Resp: 179553
 Ion Ratio Lower Upper
 73 100
 57 22.2 19.6 29.4

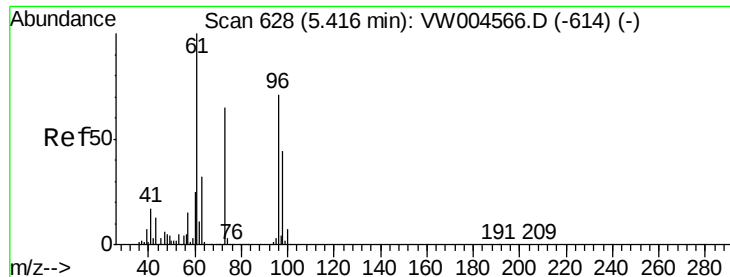


#20

Methylene Chloride
 Concen: 18.640 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion: 84 Resp: 196795
 Ion Ratio Lower Upper
 84 100
 49 126.5 99.6 149.4
 51 38.9 31.0 46.4
 86 64.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.775 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

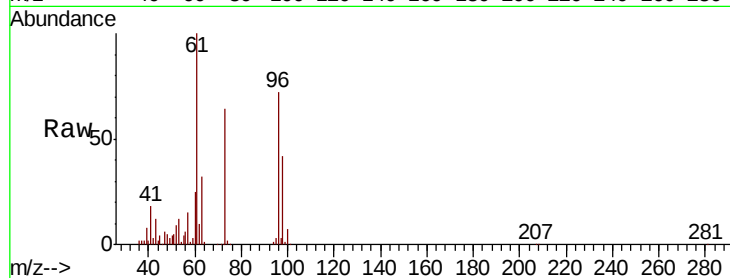
Tgt Ion: 96 Resp: 147885

Ion Ratio Lower Upper

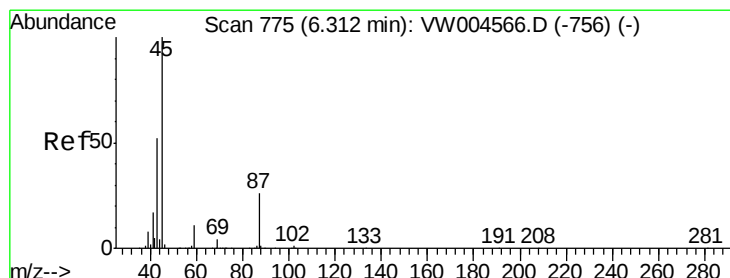
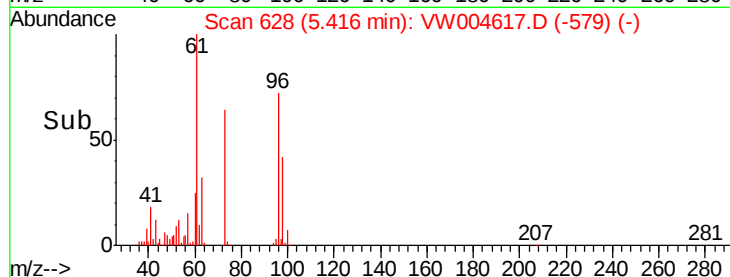
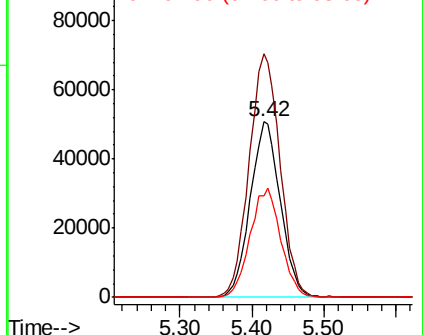
96 100

61 138.8 114.1 171.1

98 57.6 51.4 77.2



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



#22

Diisopropyl ether

Concen: 21.986 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Tgt Ion: 45 Resp: 448401

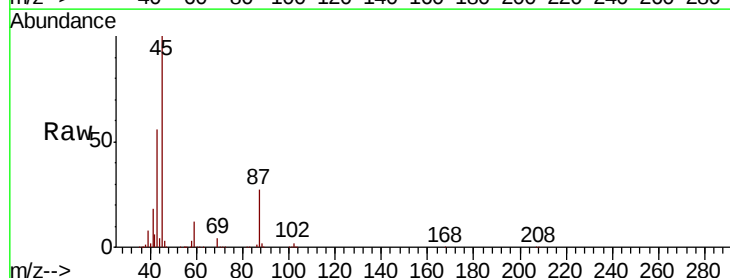
Ion Ratio Lower Upper

45 100

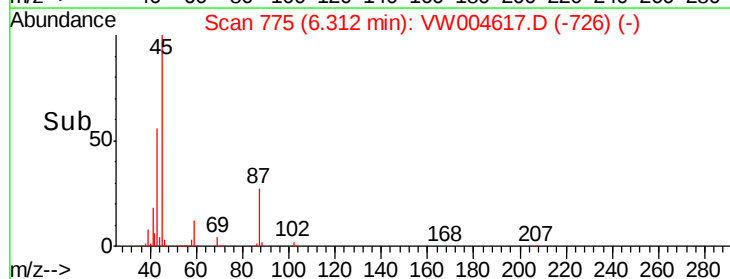
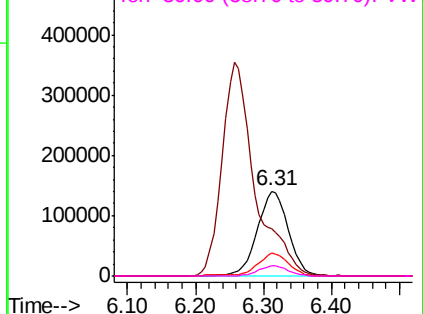
43 55.6 42.4 63.6

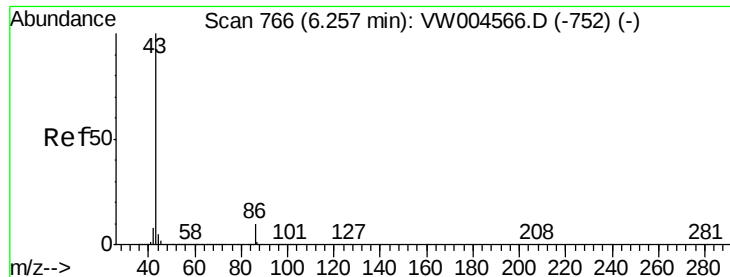
87 26.8 21.6 32.4

59 11.7 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

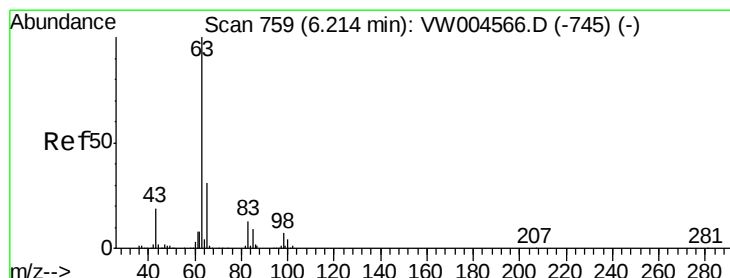
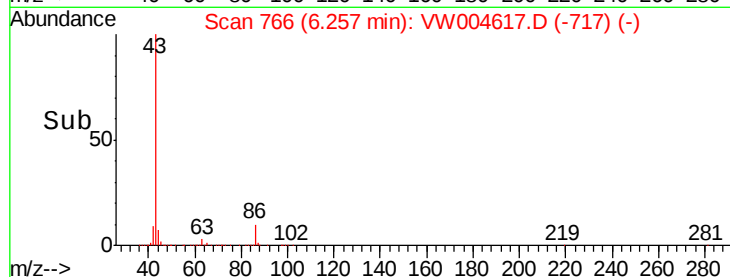
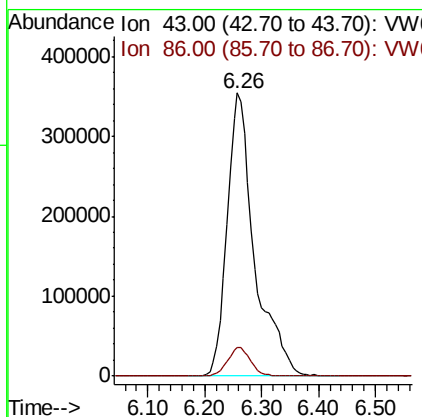
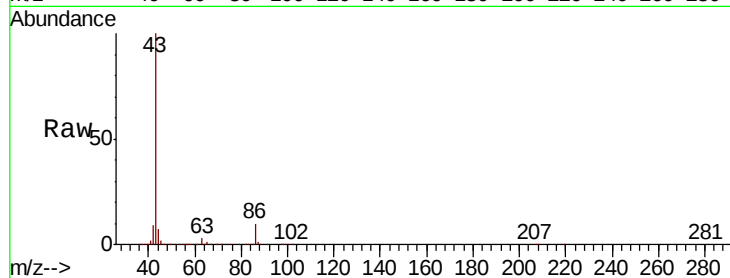




#23
 Vinyl Acetate
 Concen: 96.992 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

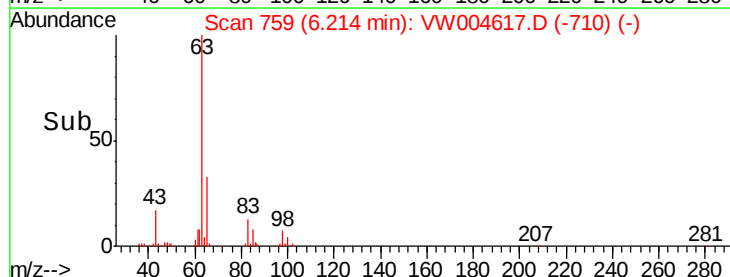
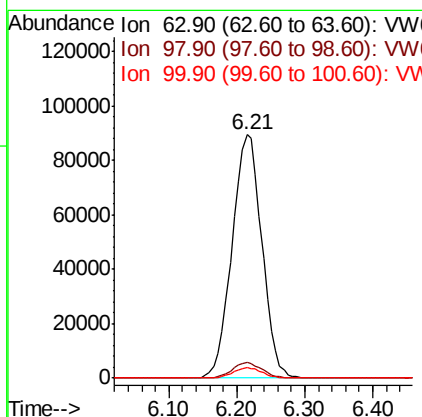
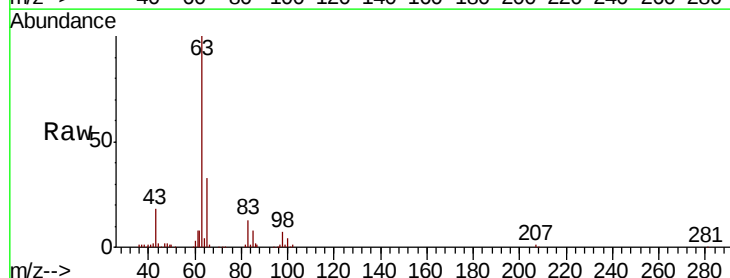
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

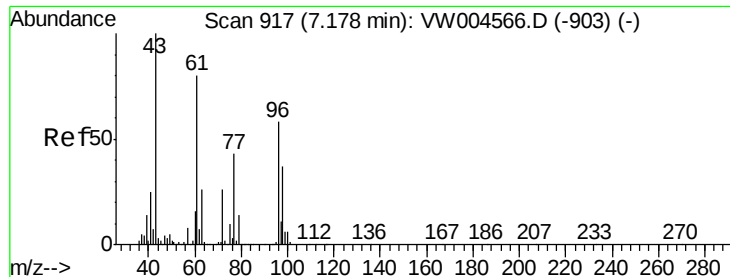
Tgt Ion: 43 Resp: 1188858
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 20.843 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion: 63 Resp: 272091
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.3
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 94.733 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

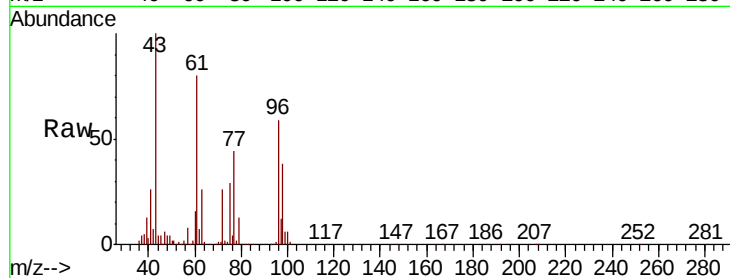
VW0813SBS02

Tgt Ion: 43 Resp: 253750

Ion Ratio Lower Upper

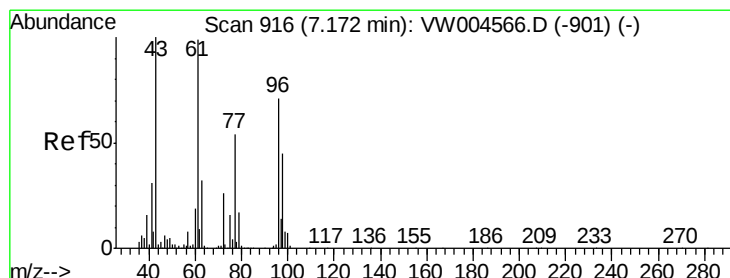
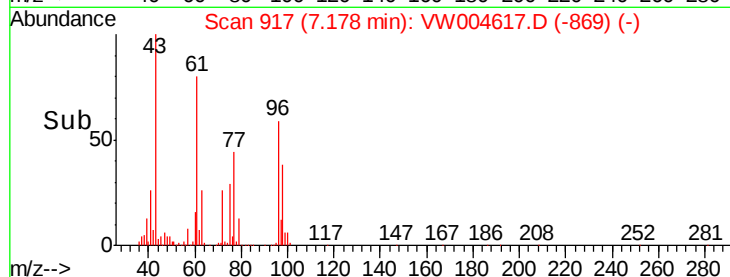
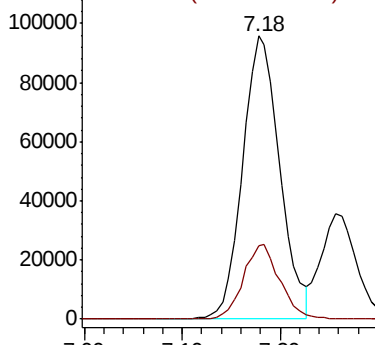
43 100

72 25.9 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 20.418 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004617.D

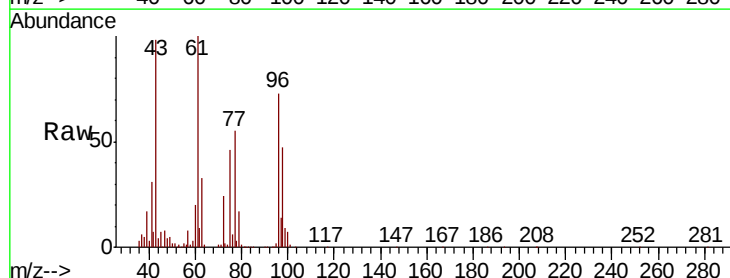
Acq: 11 Aug 2018 01:34

Tgt Ion: 77 Resp: 139895

Ion Ratio Lower Upper

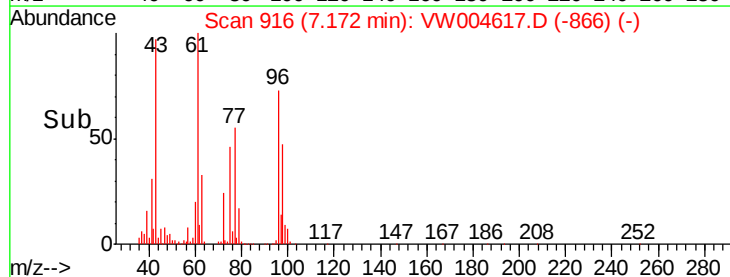
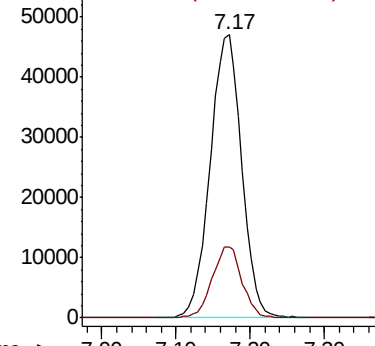
77 100

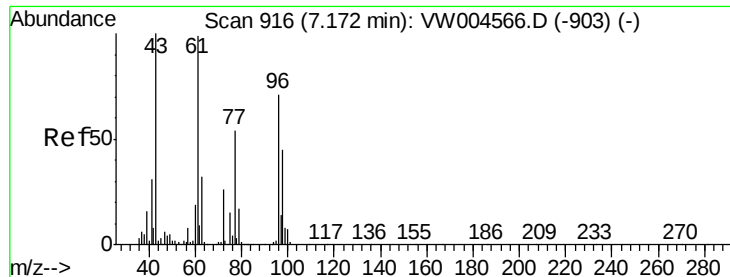
97 23.8 12.5 37.5



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



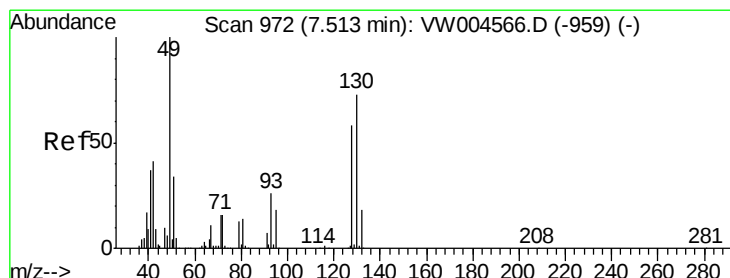
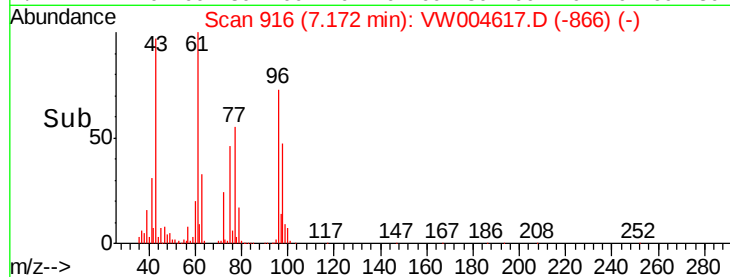
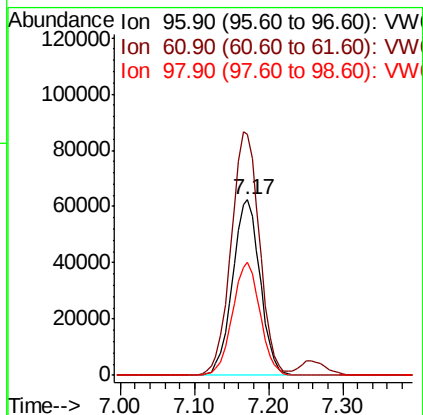
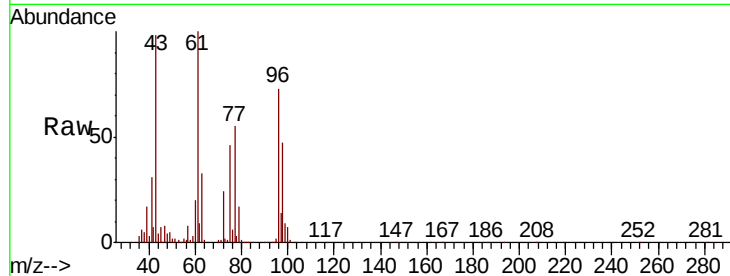


#27

cis-1,2-Dichloroethene
 Concen: 21.128 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

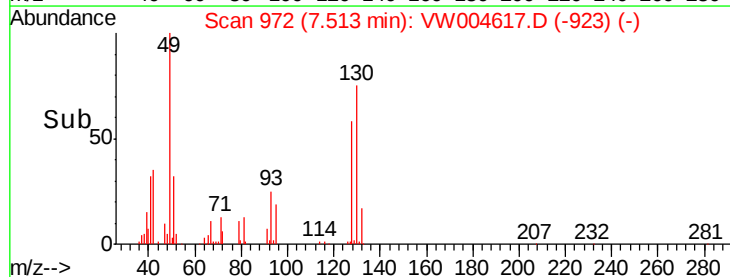
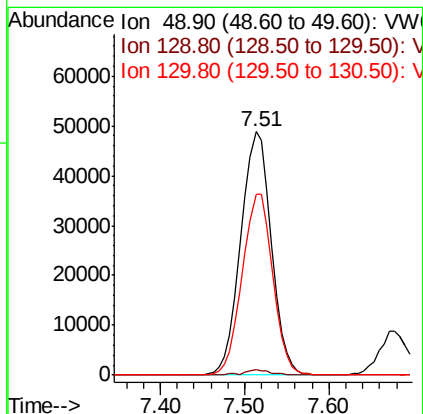
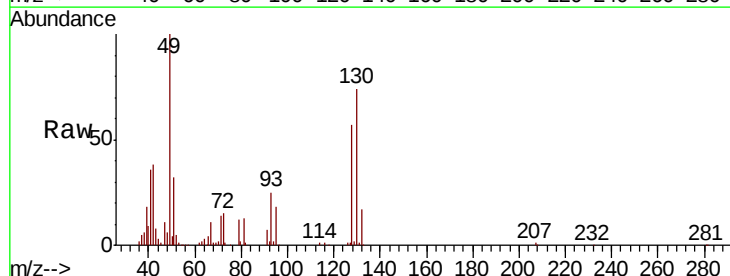
Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	285.0
98	64.1	0.0	128.6

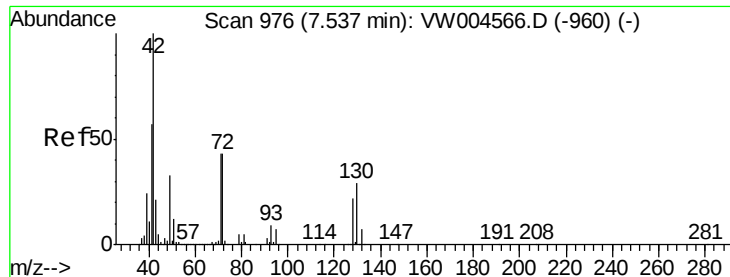


#28

Bromochloromethane
 Concen: 21.056 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	74.4	58.8	88.2

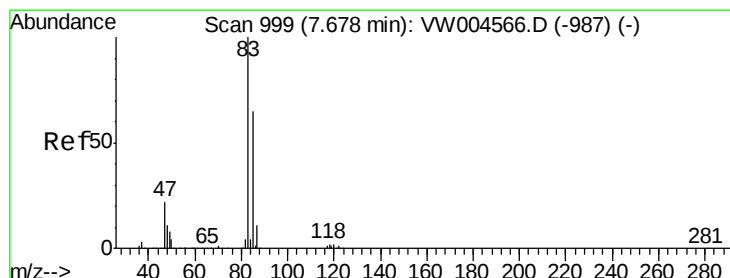
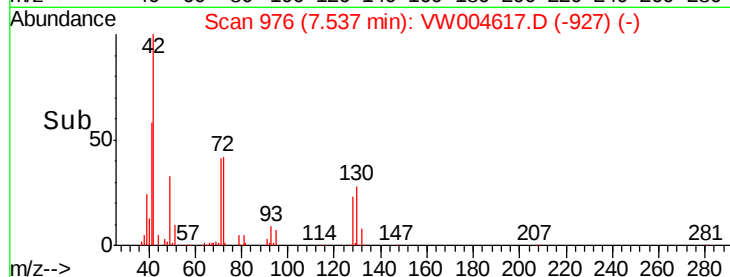
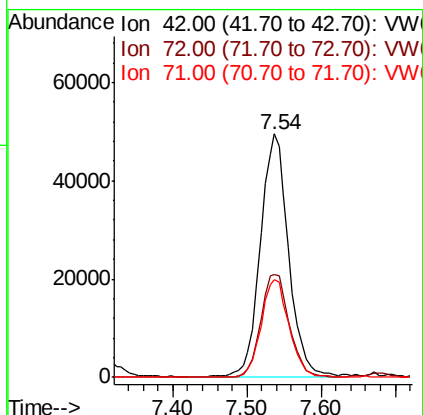
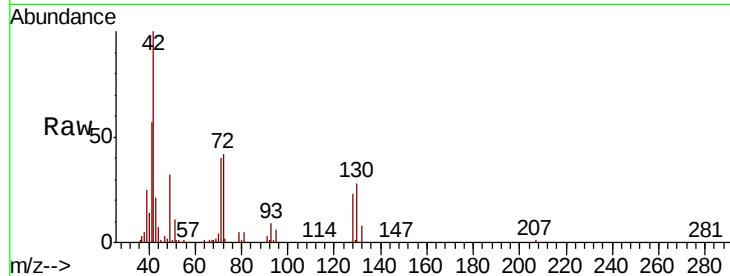




#29
Tetrahydrofuran
Concen: 94.663 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

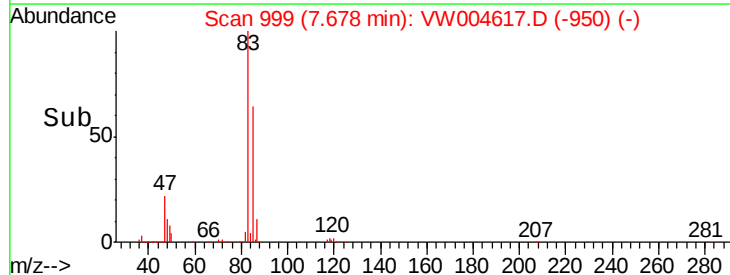
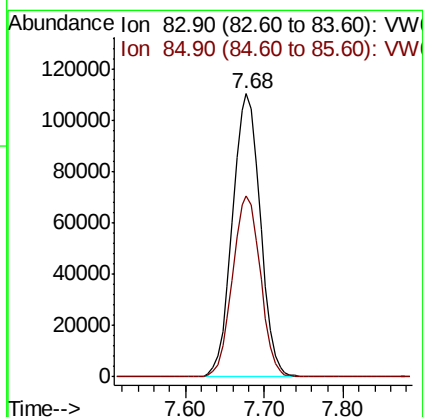
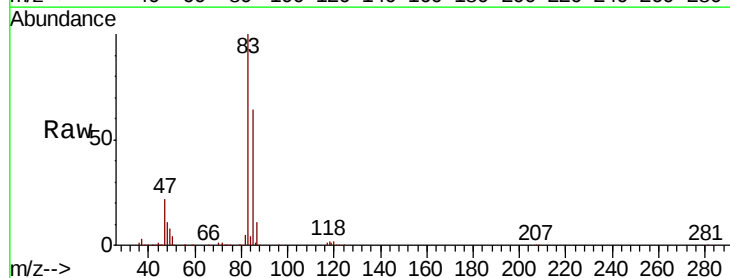
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

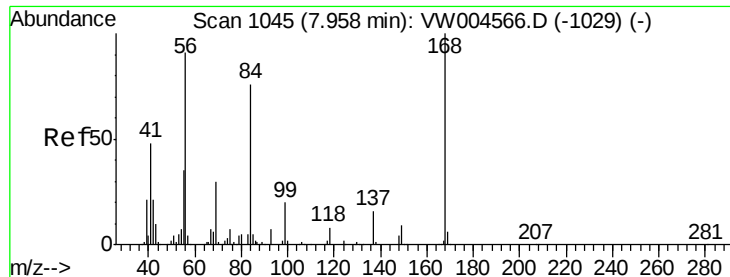
Tgt Ion: 42 Resp: 131086
Ion Ratio Lower Upper
42 100
72 42.8 34.1 51.1
71 39.8 32.5 48.7



#30
Chloroform
Concen: 21.145 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion: 83 Resp: 271118
Ion Ratio Lower Upper
83 100
85 63.9 51.3 76.9

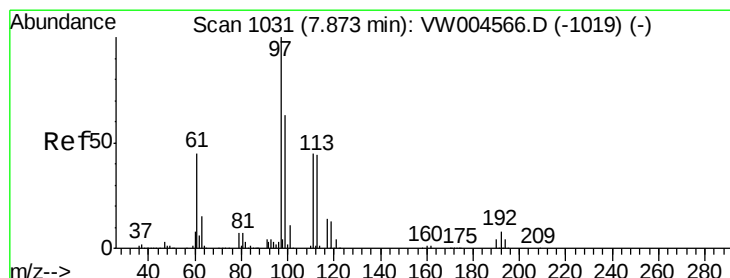
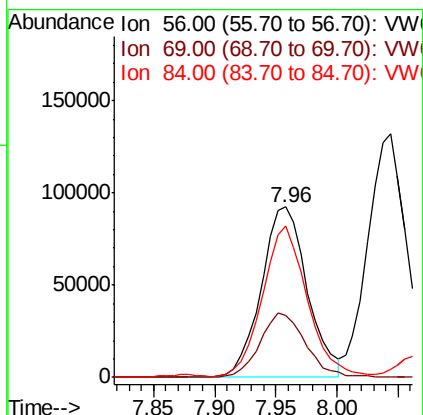
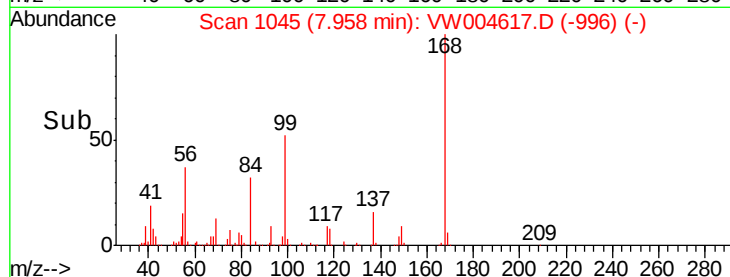
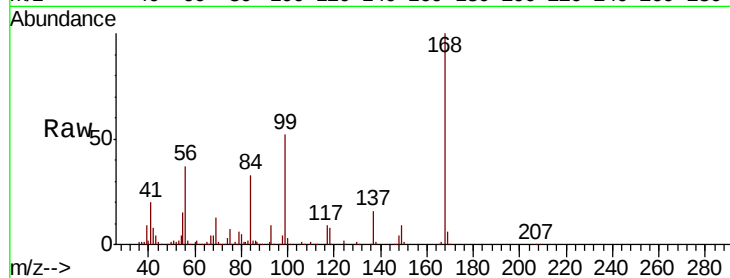




#31
Cyclohexane
Concen: 19.330 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

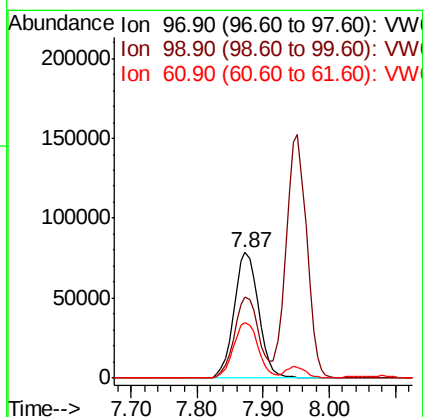
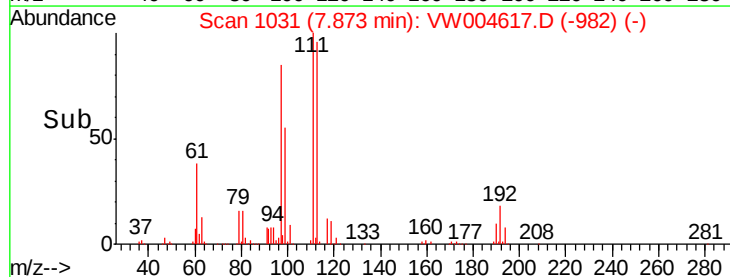
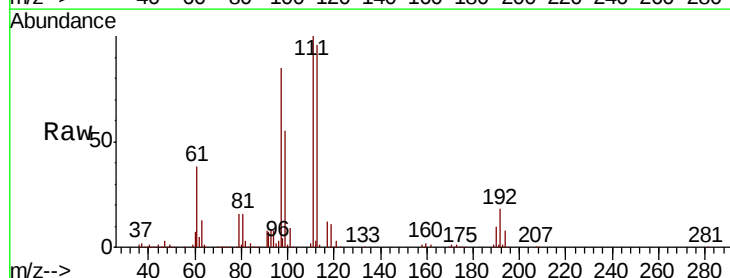
Instrument :
MSVOA_W
ClientSampled :
VW0813SBSD02

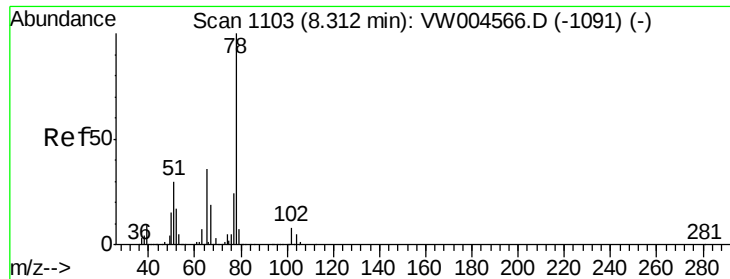
Tgt Ion: 56 Resp: 241445
Ion Ratio Lower Upper
56 100
69 36.4 26.4 39.6
84 87.7 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 21.017 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion: 97 Resp: 202425
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 45.0 35.7 53.5

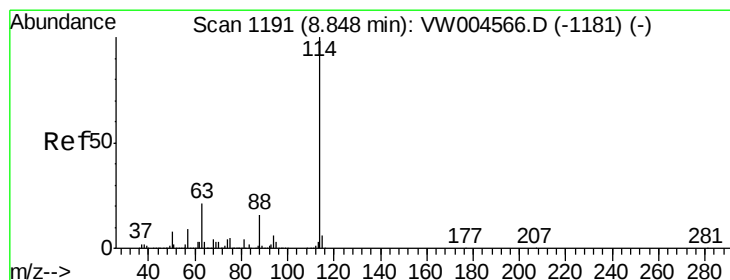
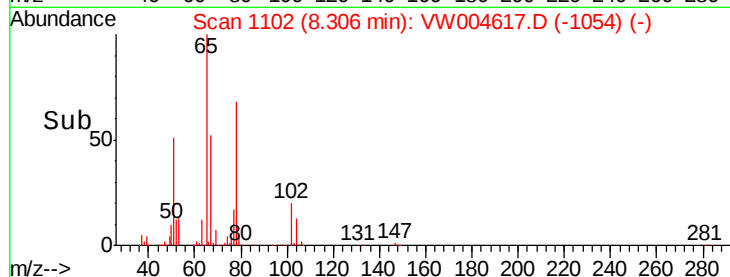
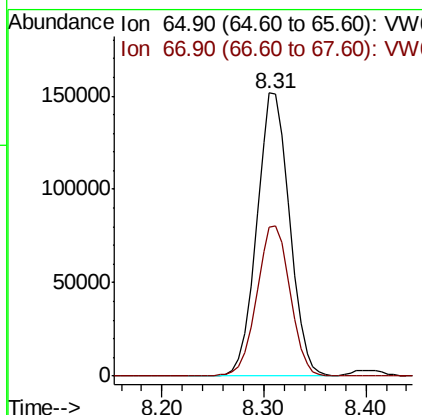
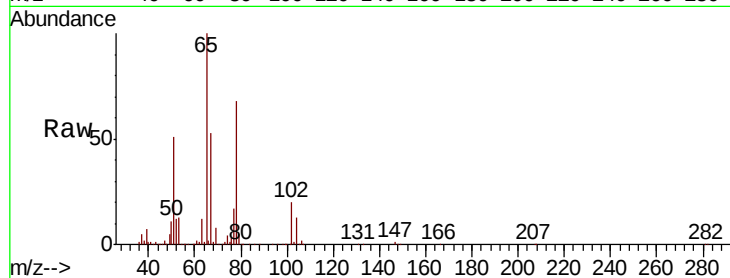




#33
 1,2-Dichloroethane-d4
 Concen: 50.728 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

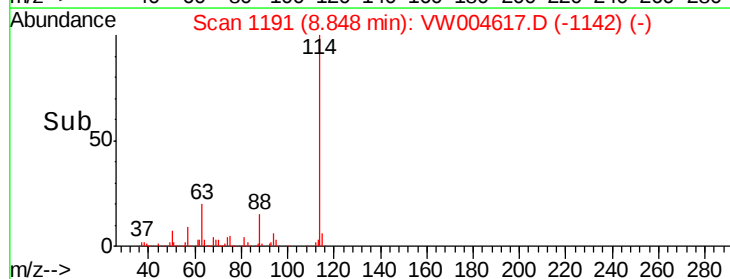
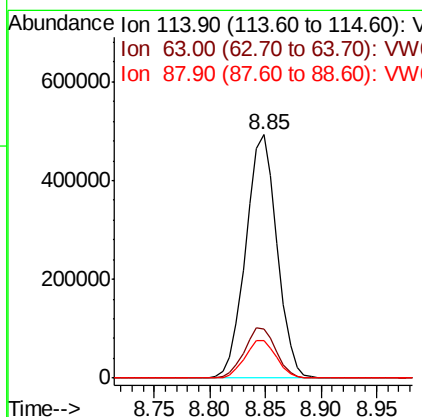
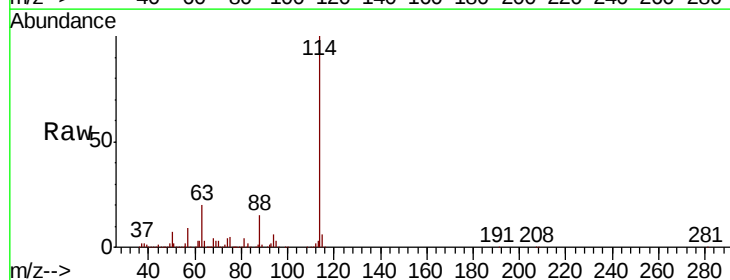
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

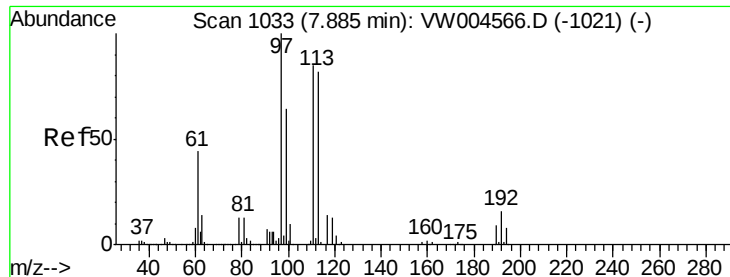
Tgt Ion: 65 Resp: 338245
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion: 114 Resp: 962651
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 15.2 0.0 31.2

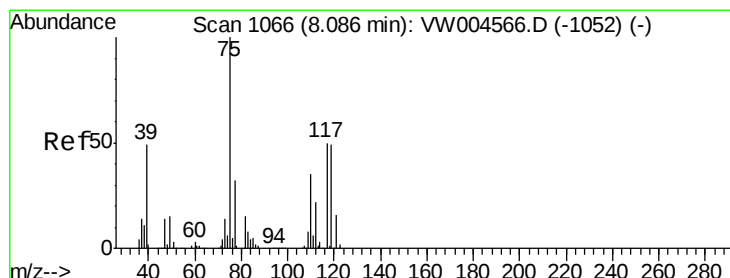
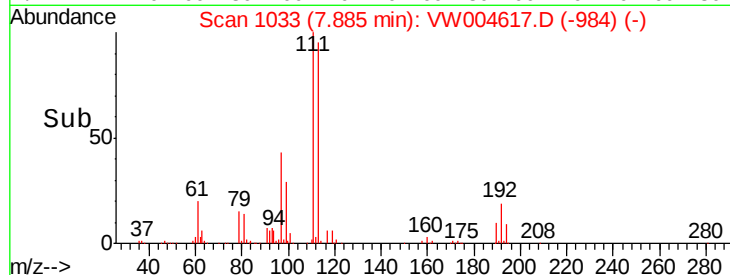
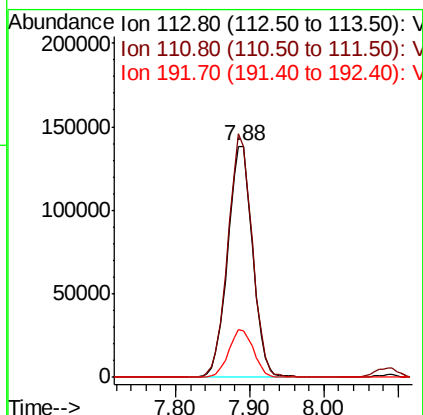
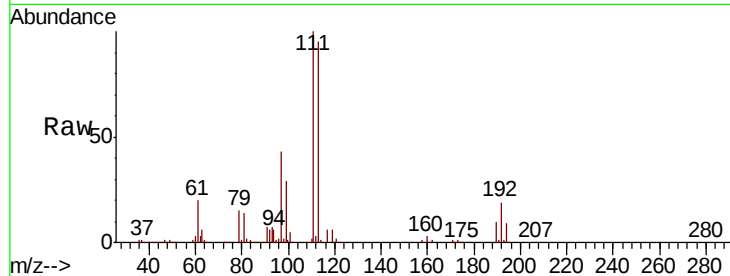




#35
 Dibromofluoromethane
 Concen: 50.520 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

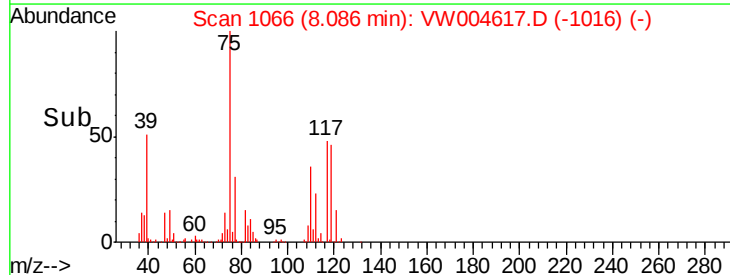
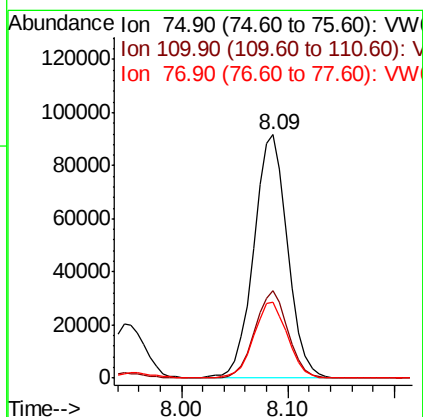
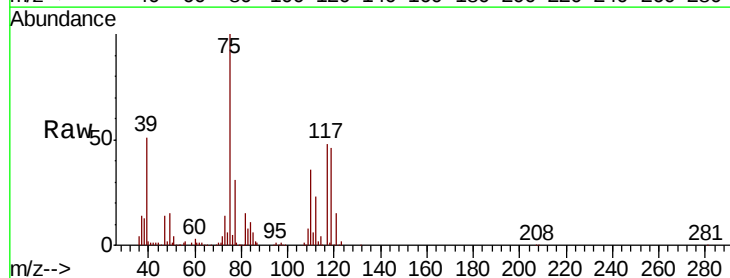
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

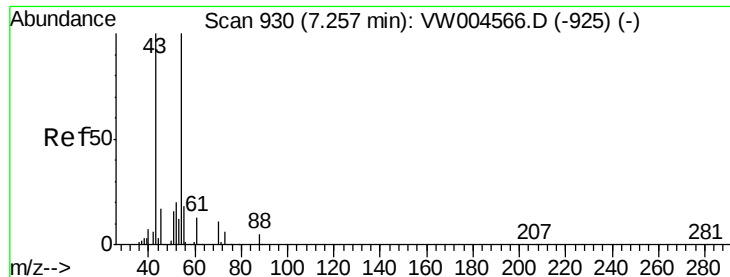
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	20.4	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 19.570 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.4	52.2
77	31.5	24.7	37.1

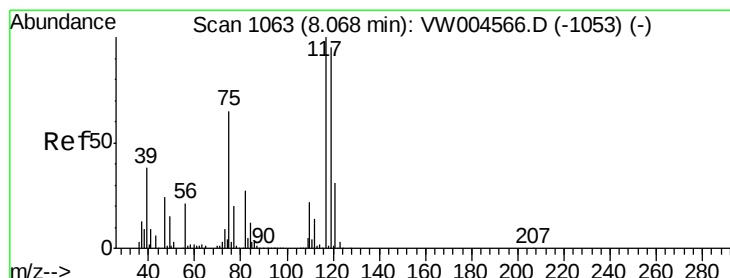
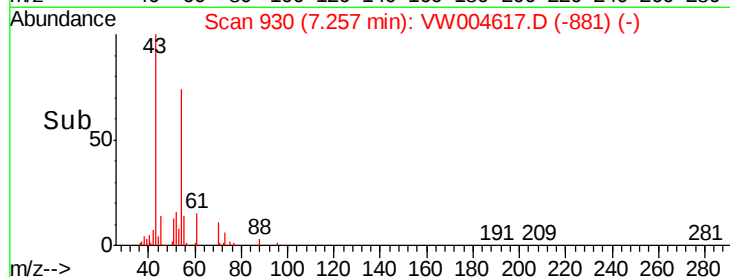
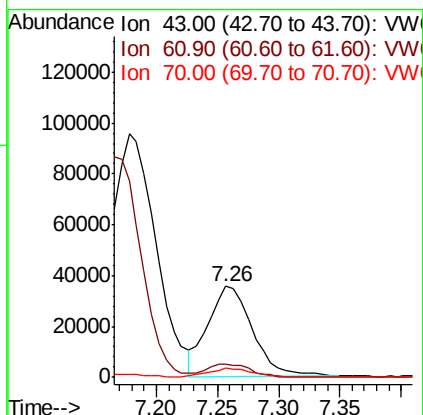
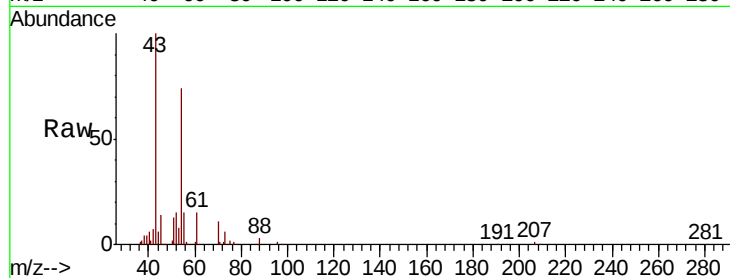




#37
 Ethyl Acetate
 Concen: 18.627 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

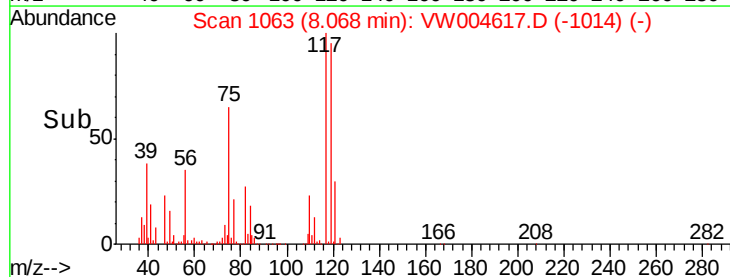
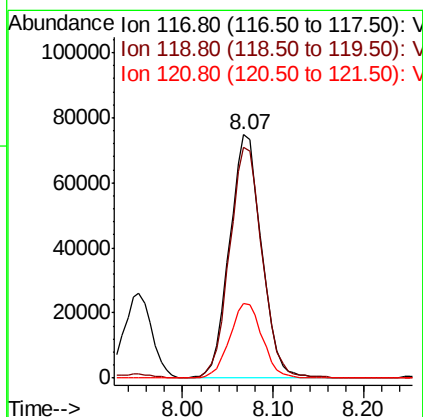
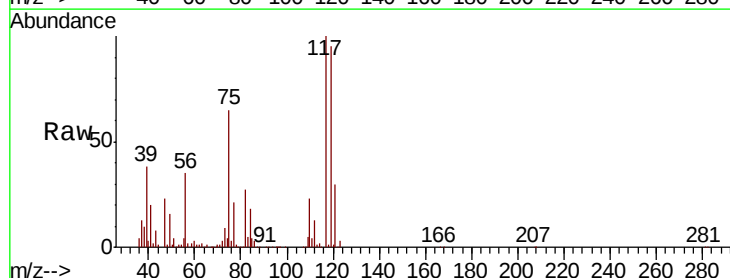
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

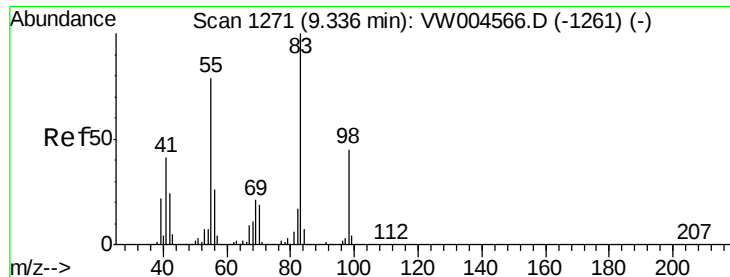
Tgt Ion: 43 Resp: 90424
 Ion Ratio Lower Upper
 43 100
 61 15.0 11.9 17.9
 70 10.4 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 19.646 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion: 117 Resp: 183244
 Ion Ratio Lower Upper
 117 100
 119 94.6 76.1 114.1
 121 30.5 24.2 36.4

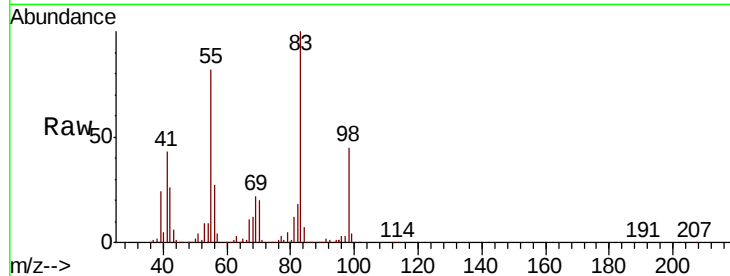




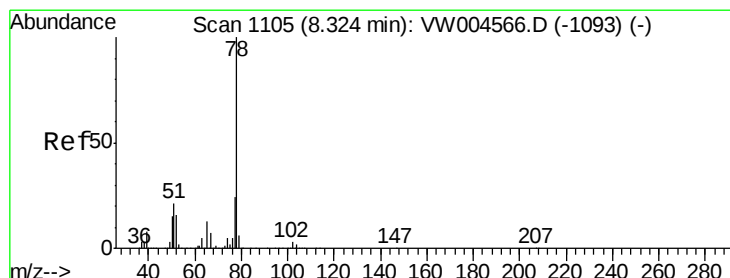
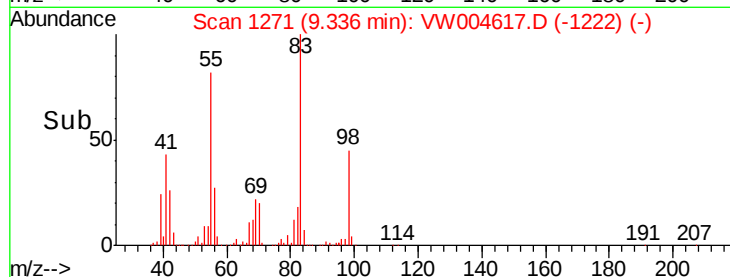
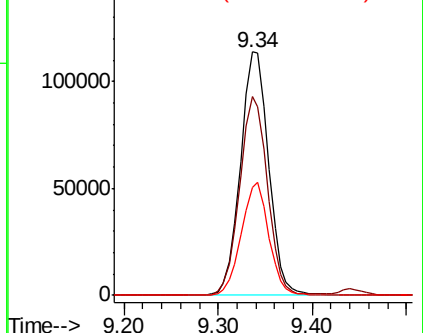
#39
Methylcyclohexane
Concen: 18.690 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tgt Ion: 83 Resp: 237448
Ion Ratio Lower Upper
83 100
55 81.9 62.5 93.7
98 44.6 35.4 53.2

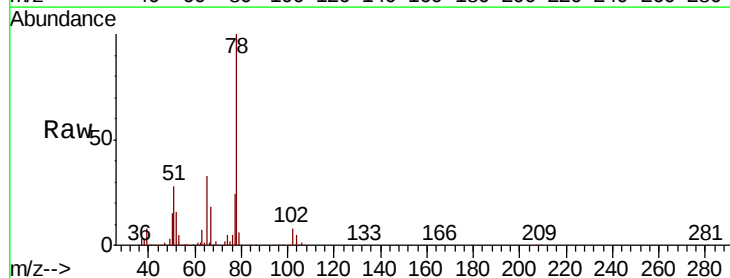


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

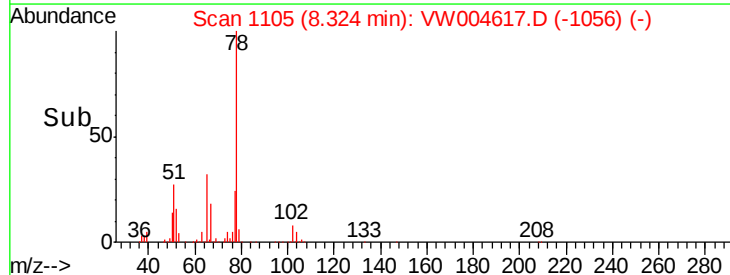
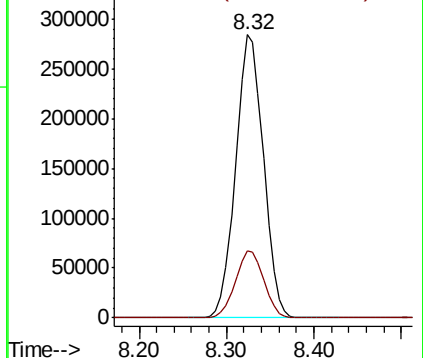


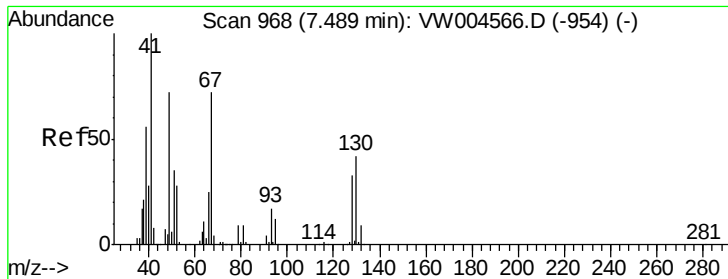
#40
Benzene
Concen: 20.598 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion: 78 Resp: 626958
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

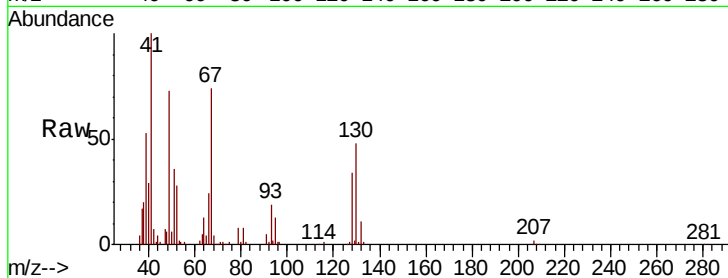




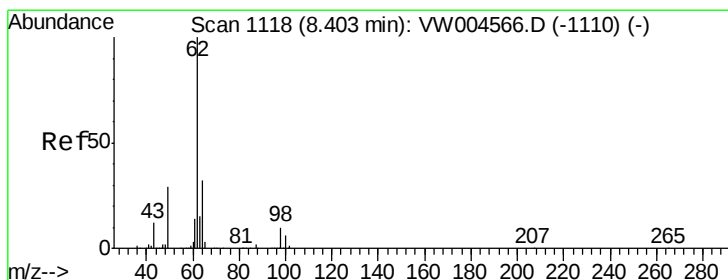
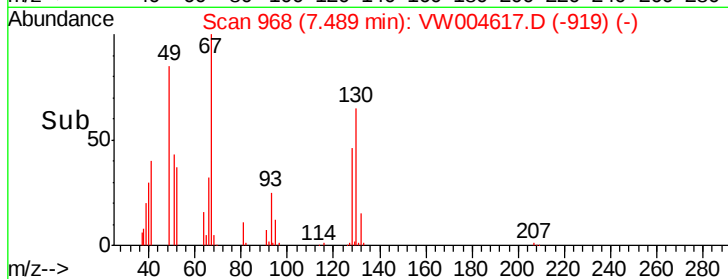
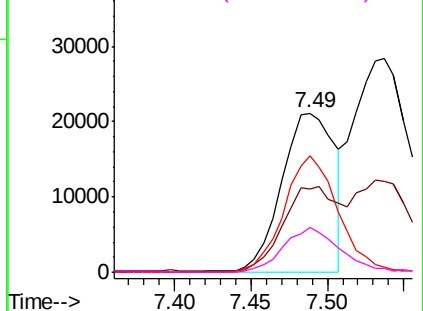
#41
Methacrylonitrile
Concen: 18.843 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tgt Ion:	41	Resp:	51089
Ion	Ratio	Lower	Upper
41	100		
39	58.5	46.2	69.2
67	74.9	60.8	91.2
52	30.2	23.8	35.6

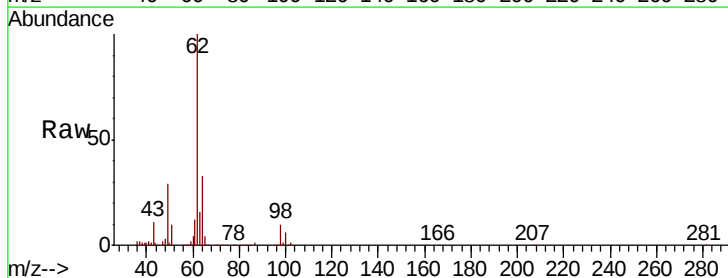


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

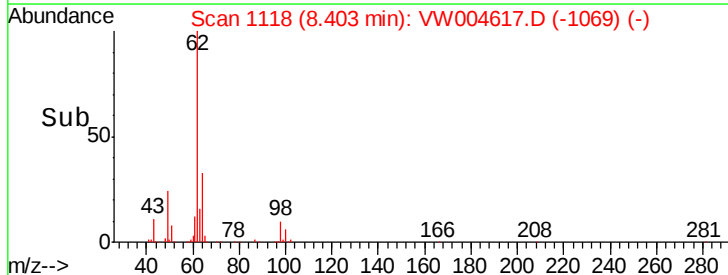
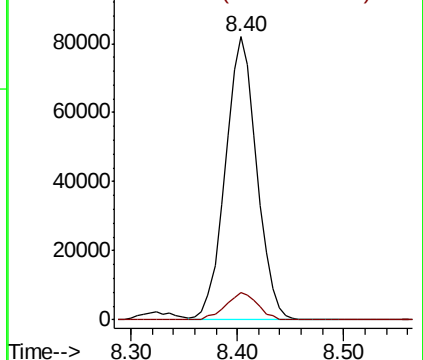


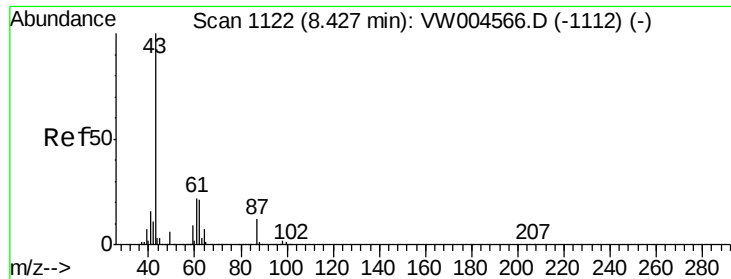
#42
1,2-Dichloroethane
Concen: 20.118 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion:	62	Resp:	169420
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.662 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

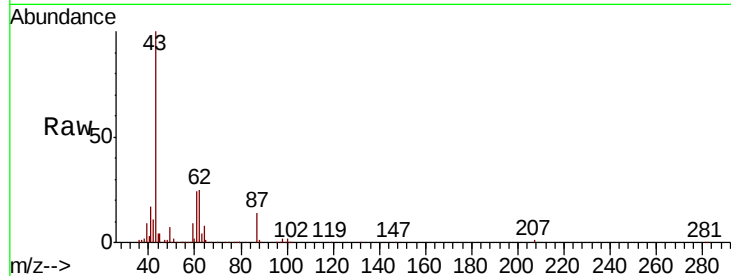
Tgt Ion: 43 Resp: 157917

Ion Ratio Lower Upper

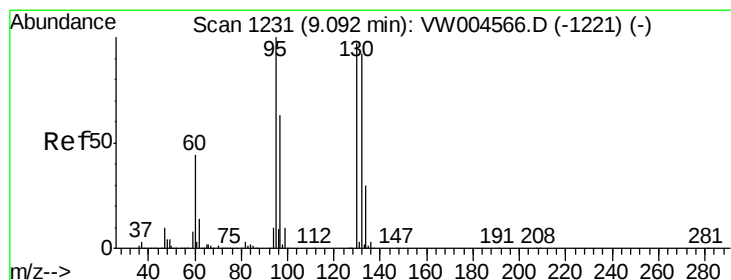
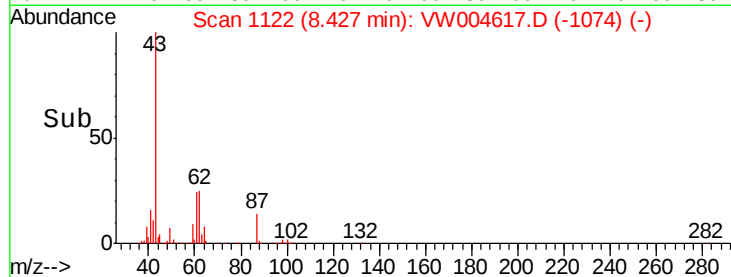
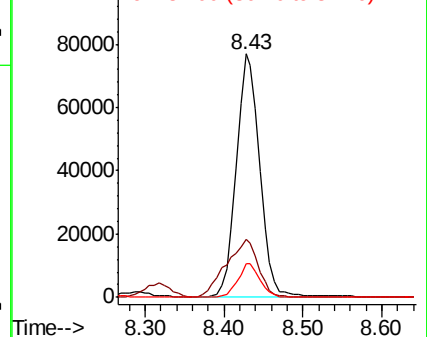
43 100

61 32.3 25.2 37.8

87 13.2 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.983 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004617.D

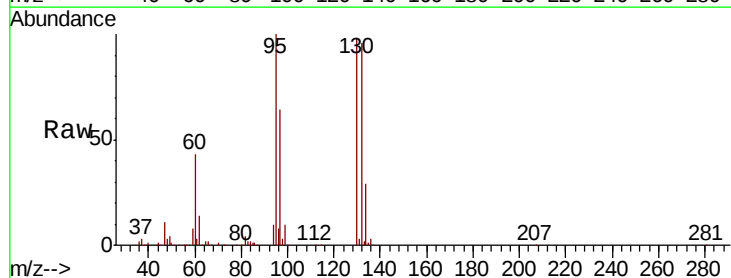
Acq: 11 Aug 2018 01:34

Tgt Ion: 130 Resp: 149462

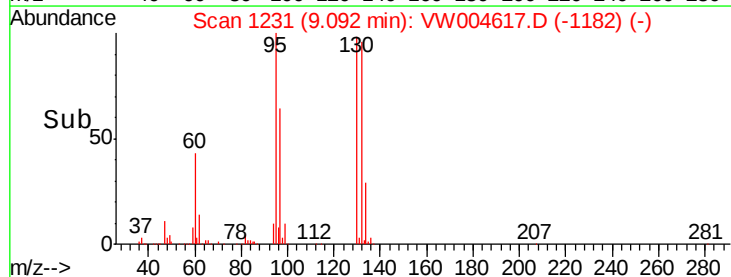
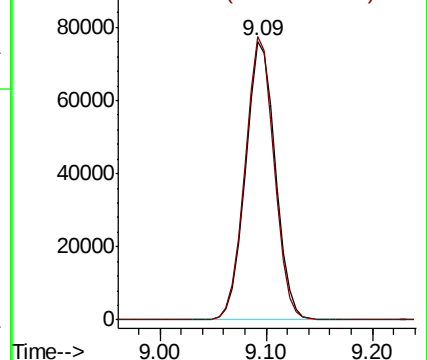
Ion Ratio Lower Upper

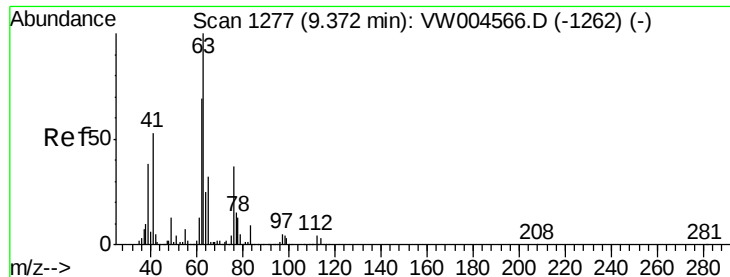
130 100

95 101.6 0.0 196.2



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

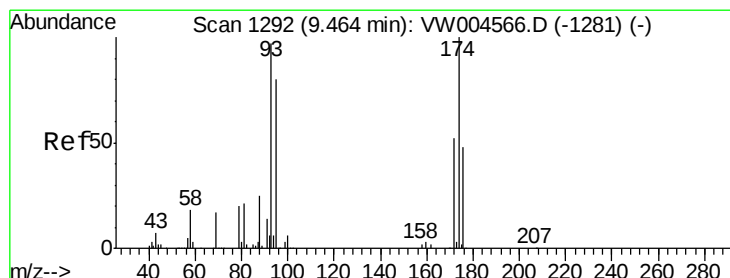
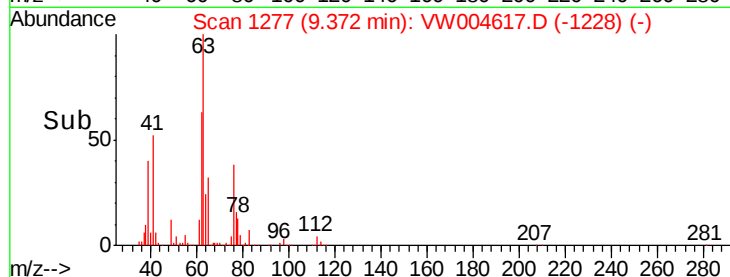
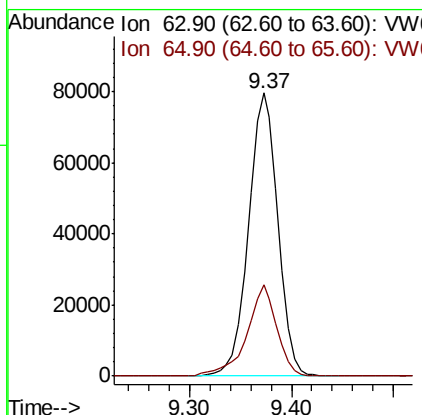
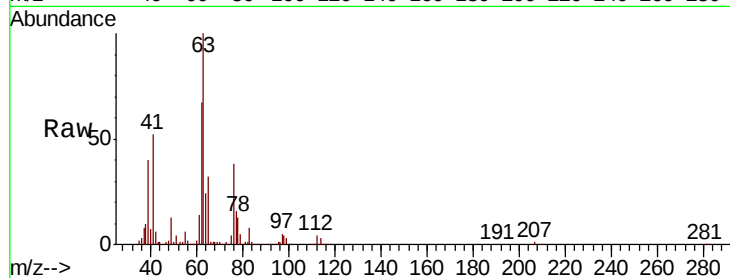




#45
 1,2-Dichloropropane
 Concen: 20.898 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

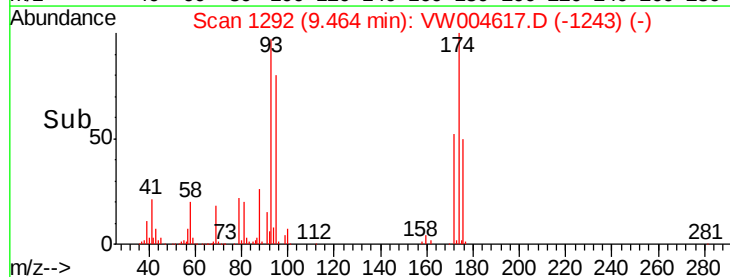
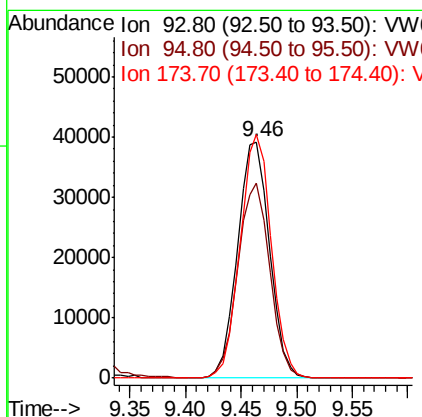
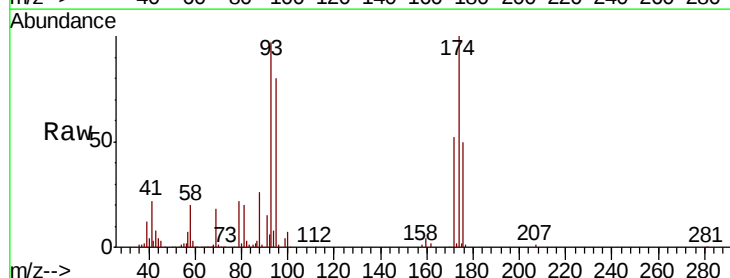
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

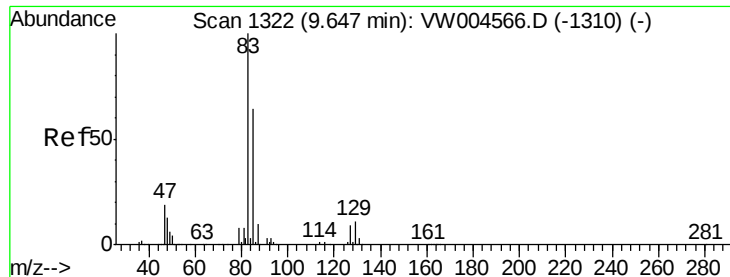
Tgt Ion: 63 Resp: 159298
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.5 36.7



#46
 Dibromomethane
 Concen: 20.120 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion: 93 Resp: 78073
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.0 100.4
 174 100.6 80.2 120.4





#47

Bromodichloromethane

Concen: 19.891 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

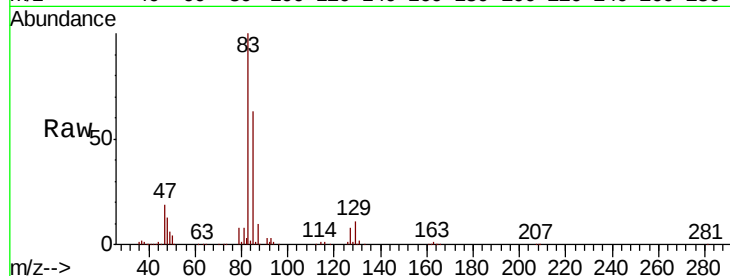
Tgt Ion: 83 Resp: 182193

Ion Ratio Lower Upper

83 100

85 62.9 50.7 76.1

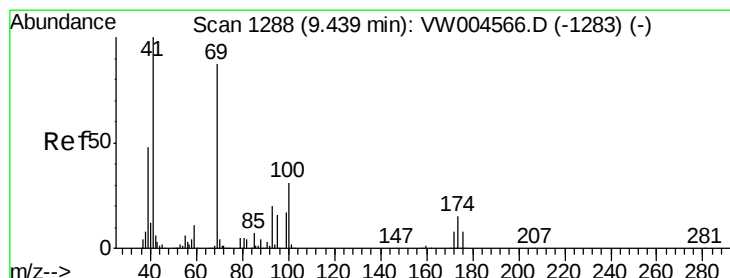
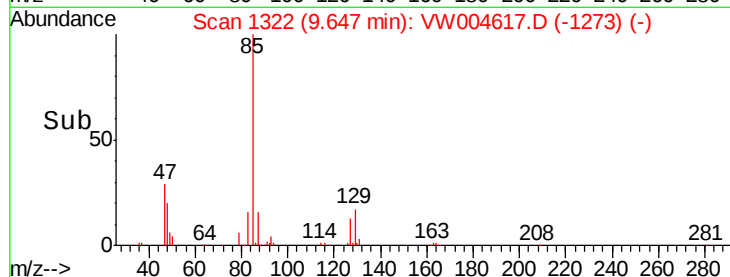
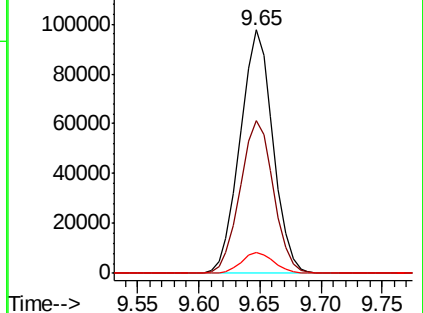
127 8.4 6.5 9.7



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): VW



#48

Methyl methacrylate

Concen: 18.985 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

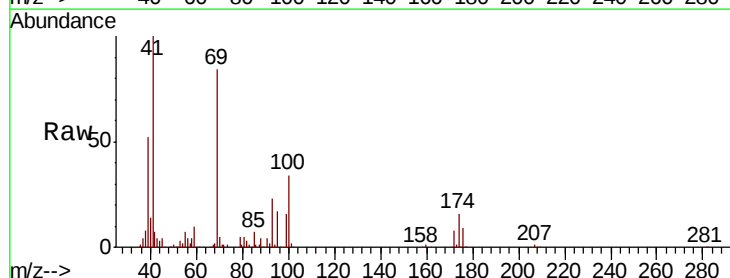
Tgt Ion: 41 Resp: 75084

Ion Ratio Lower Upper

41 100

69 91.7 73.2 109.8

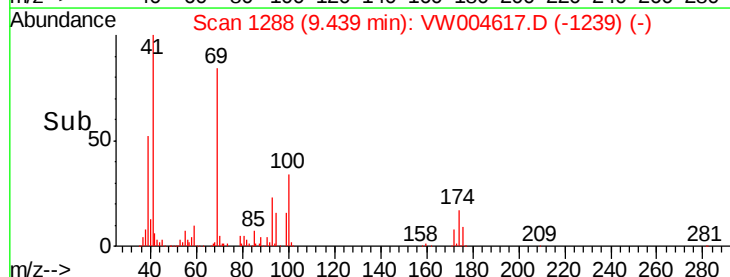
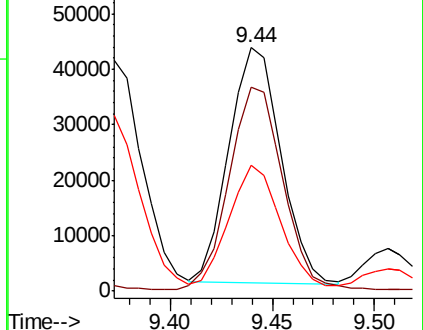
39 54.2 40.6 60.8

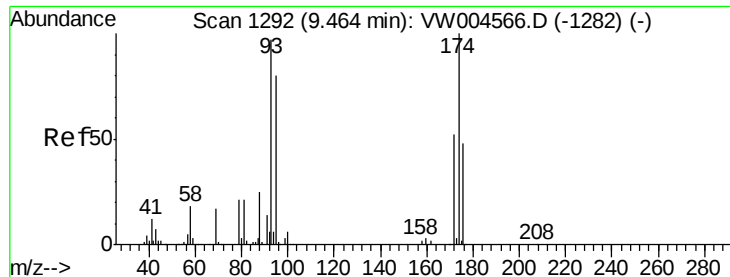


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 415.904 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

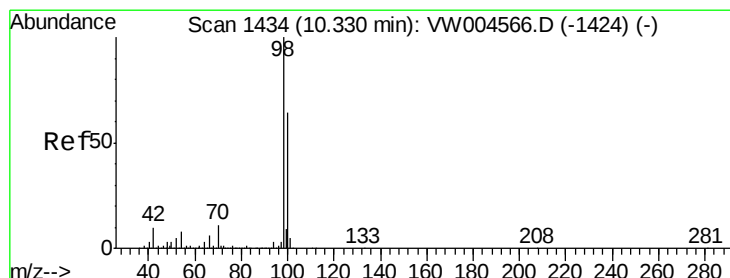
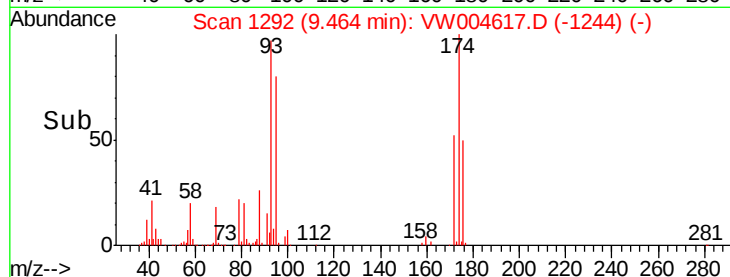
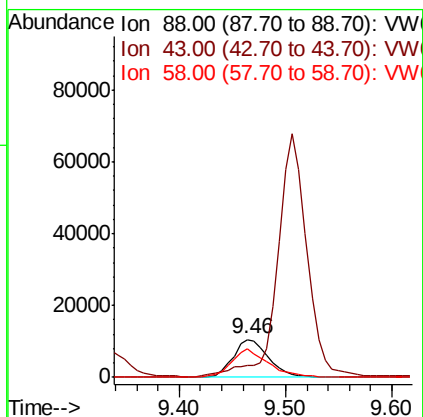
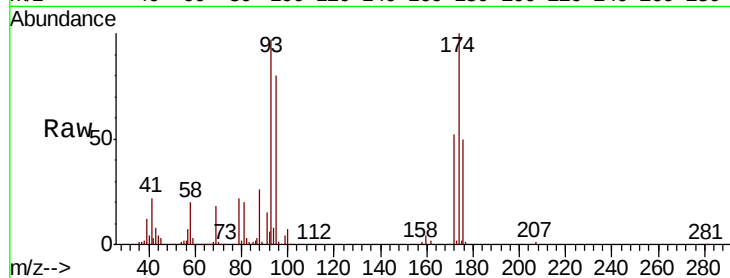
Tgt Ion: 88 Resp: 24622

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 78.7 63.5 95.3



#50

Toluene-d8

Concen: 52.096 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004617.D

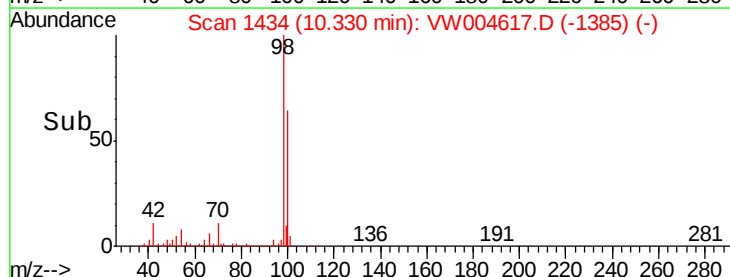
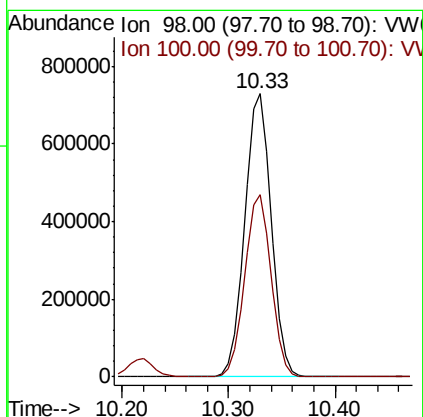
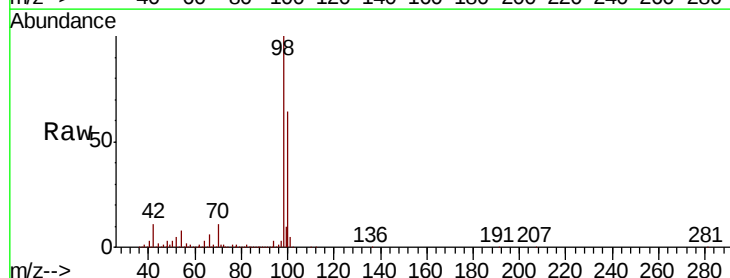
Acq: 11 Aug 2018 01:34

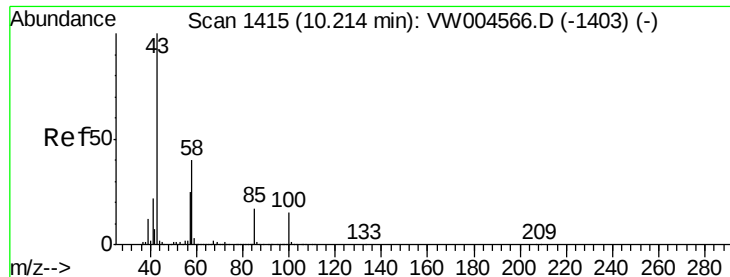
Tgt Ion: 98 Resp: 1274812

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.2

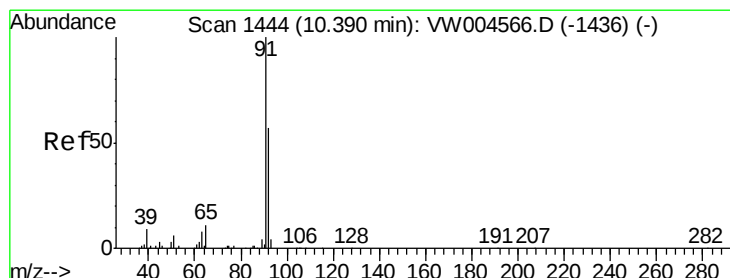
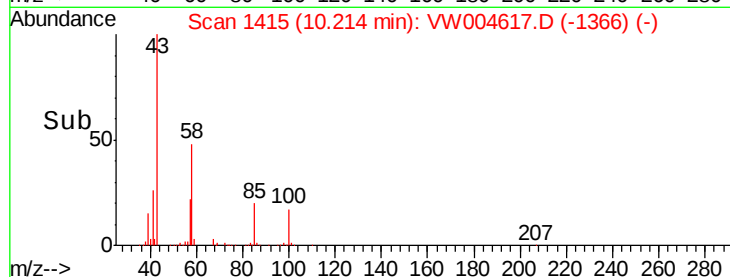
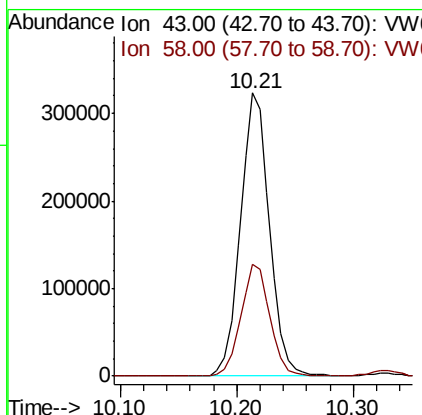
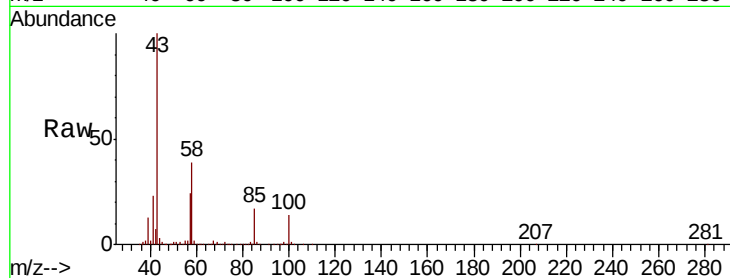




#51
 4-Methyl-2-Pentanone
 Concen: 94.835 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

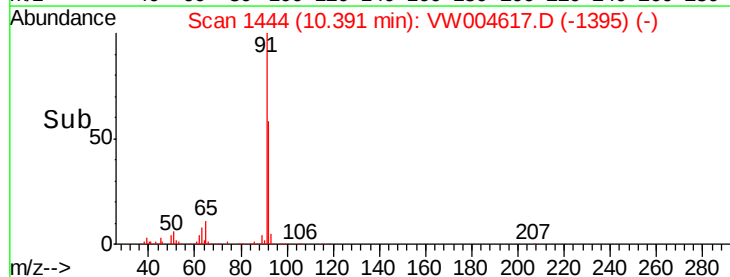
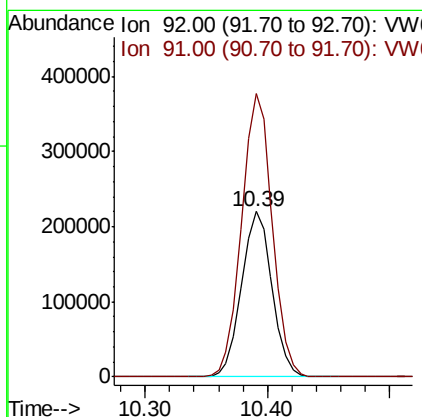
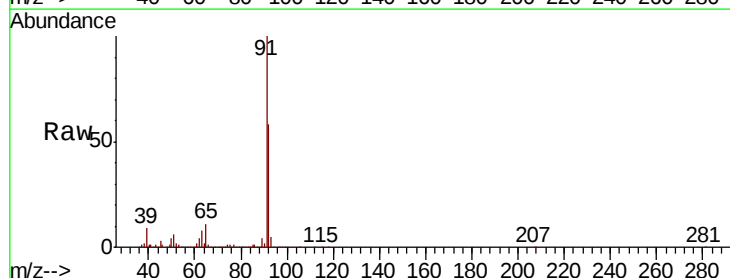
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

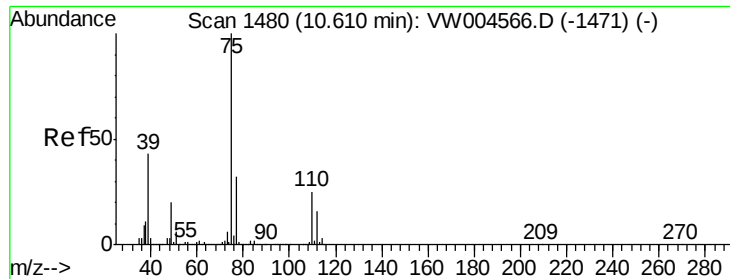
Tgt Ion: 43 Resp: 558582
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.9 47.9



#52
 Toluene
 Concen: 21.079 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion: 92 Resp: 378330
 Ion Ratio Lower Upper
 92 100
 91 172.7 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 19.230 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

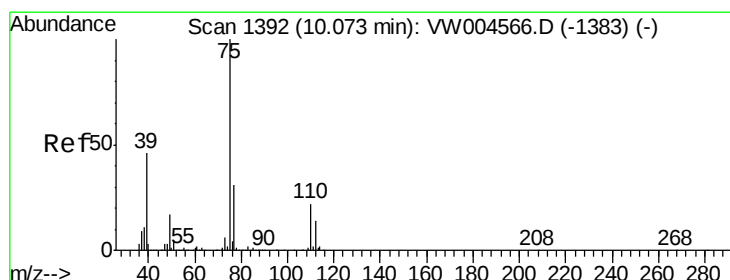
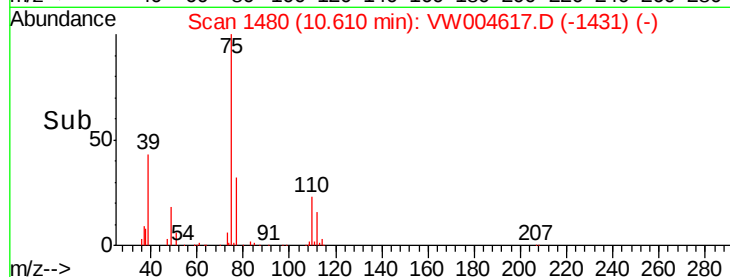
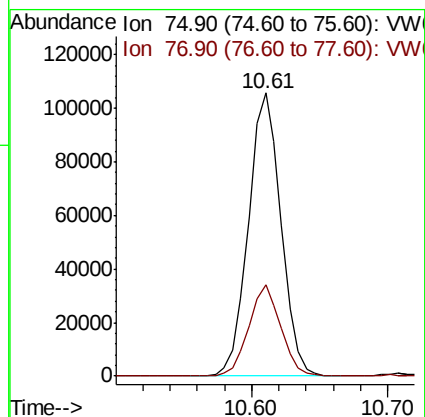
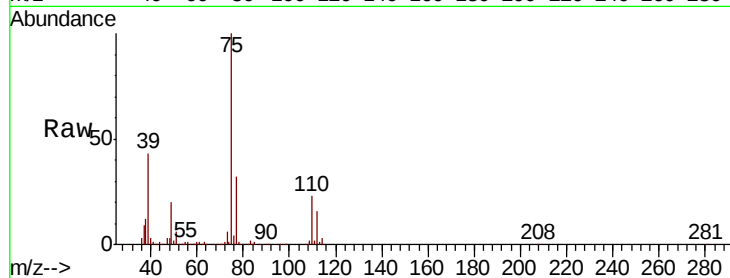
VW0813SBS02

Tgt Ion: 75 Resp: 176866

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.839 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

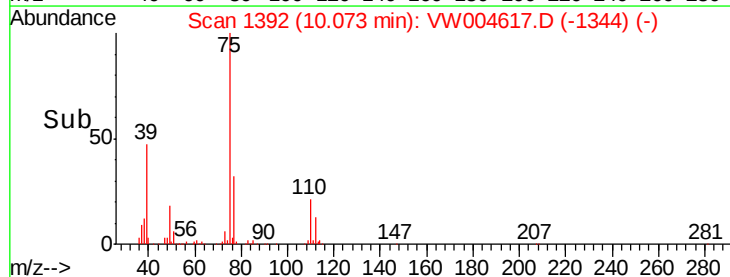
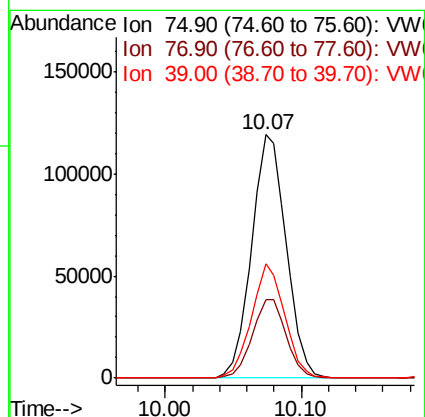
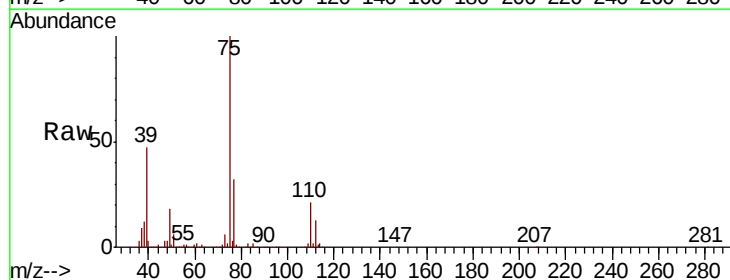
Tgt Ion: 75 Resp: 212647

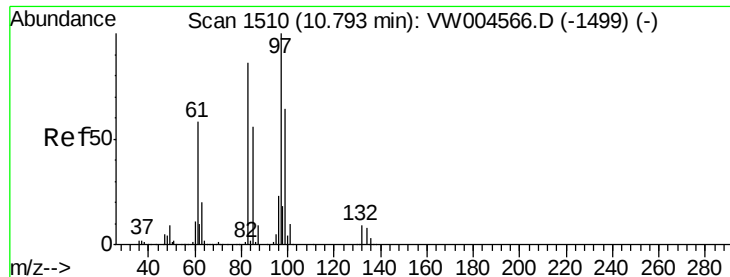
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 46.8 34.5 51.7

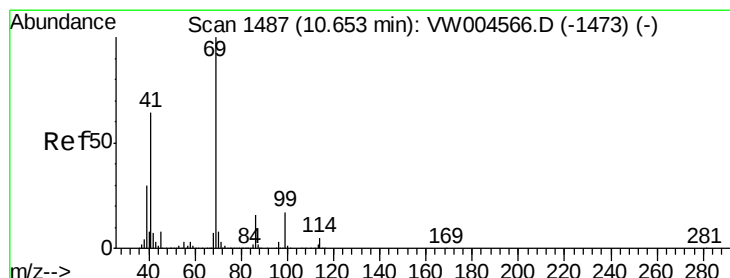
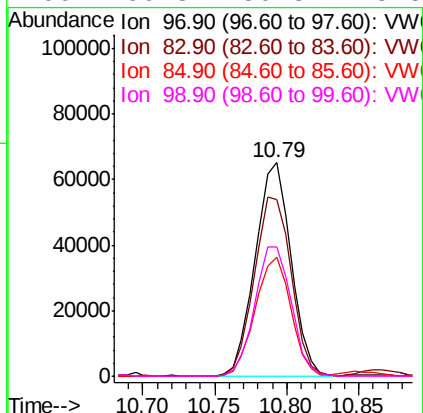
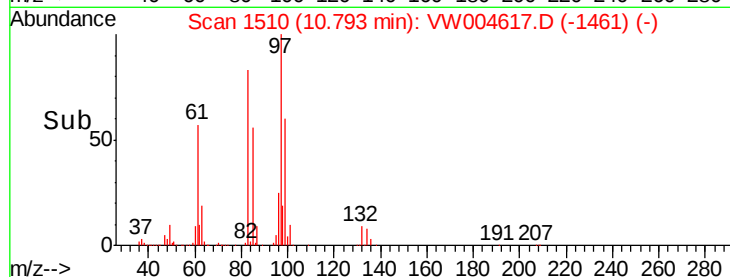
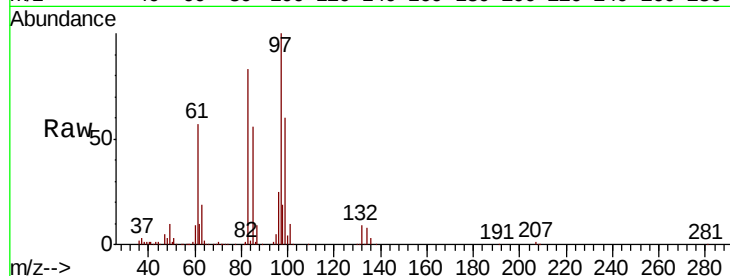




#55
 1,1,2-Trichloroethane
 Concen: 20.155 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

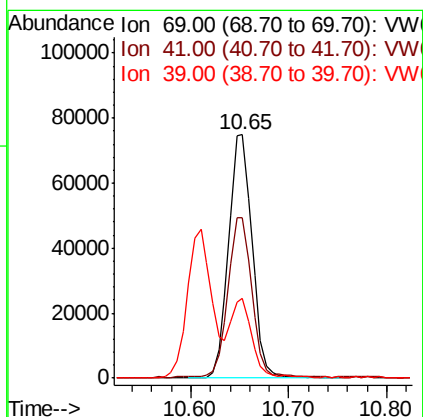
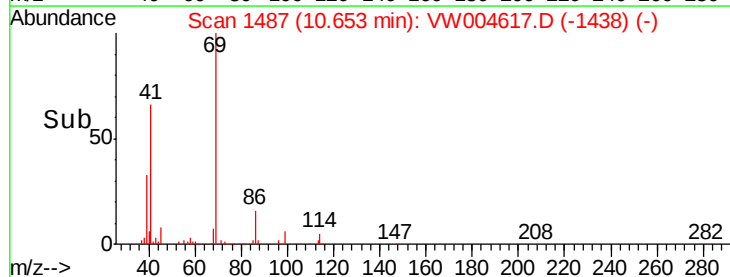
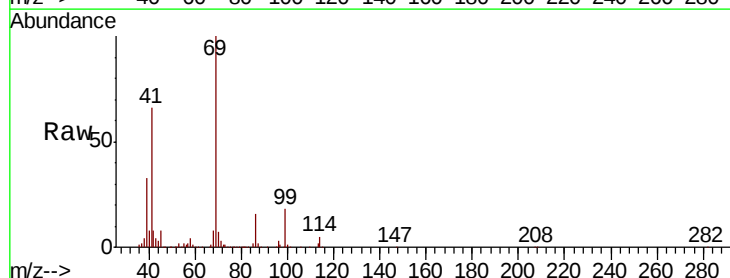
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

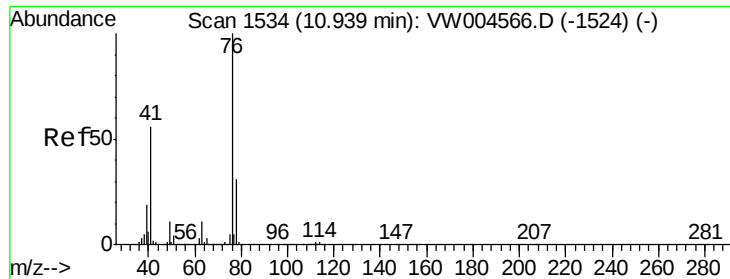
Tgt Ion:	97	Resp:	112099
Ion	Ratio	Lower	Upper
97	100		
83	82.5	69.8	104.8
85	55.9	45.1	67.7
99	60.3	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 18.899 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion:	69	Resp:	125845
Ion	Ratio	Lower	Upper
69	100		
41	67.6	52.4	78.6
39	28.4	22.7	34.1





#57

1,3-Dichloropropane

Concen: 20.207 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

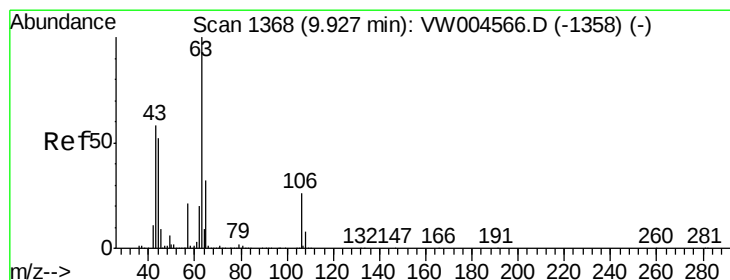
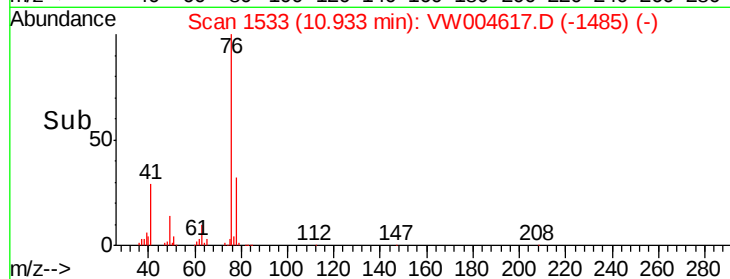
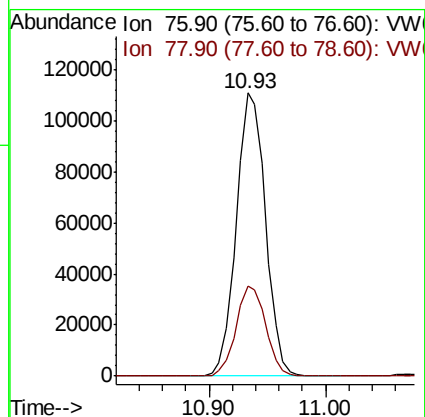
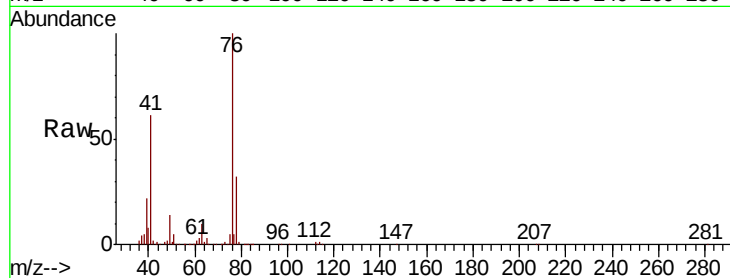
VW0813SBS02

Tgt Ion: 76 Resp: 193704

Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 98.136 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004617.D

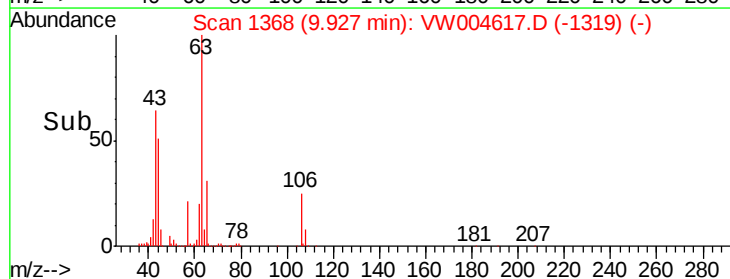
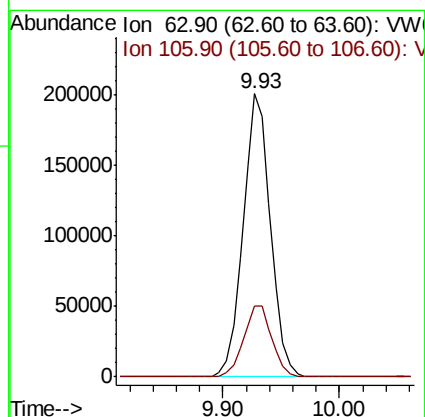
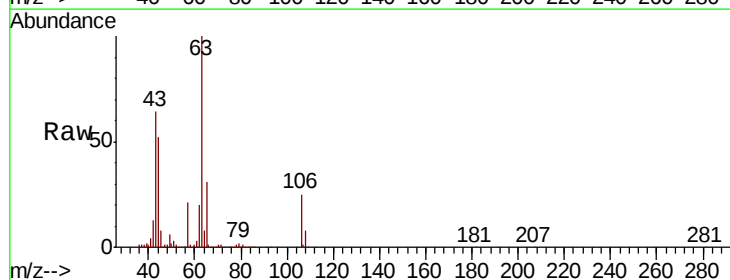
Acq: 11 Aug 2018 01:34

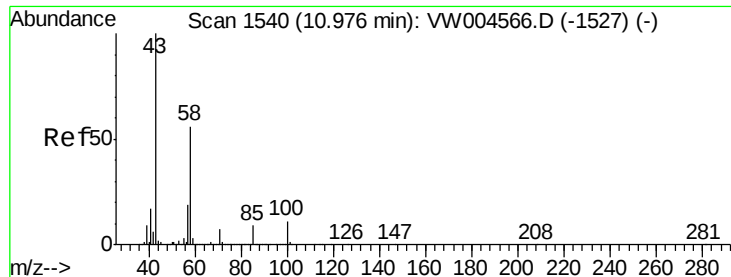
Tgt Ion: 63 Resp: 327111

Ion Ratio Lower Upper

63 100

106 26.1 21.3 31.9

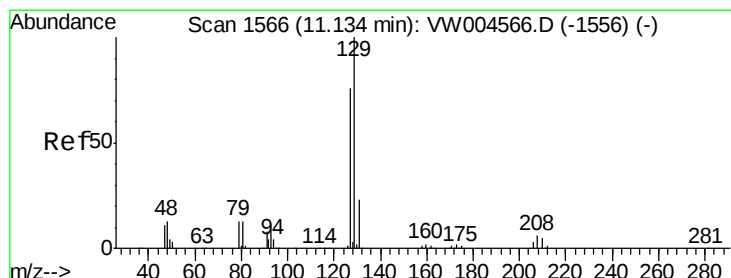
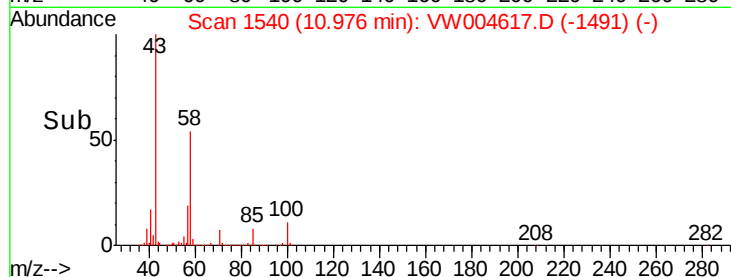
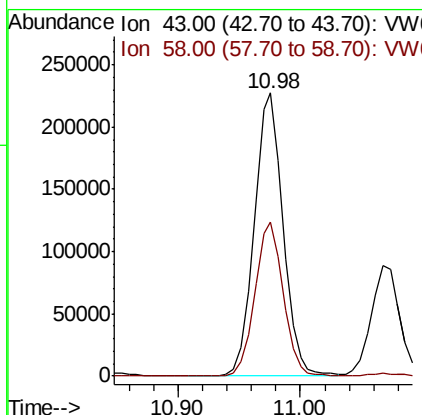
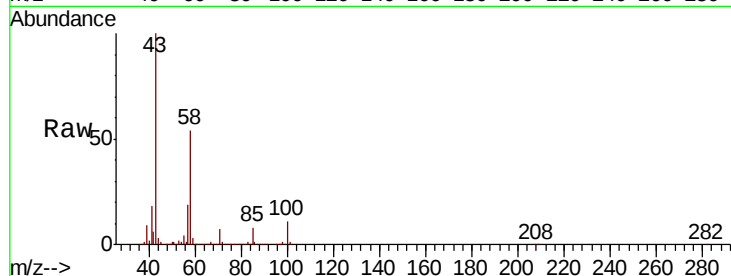




#59
2-Hexanone
Concen: 93.362 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

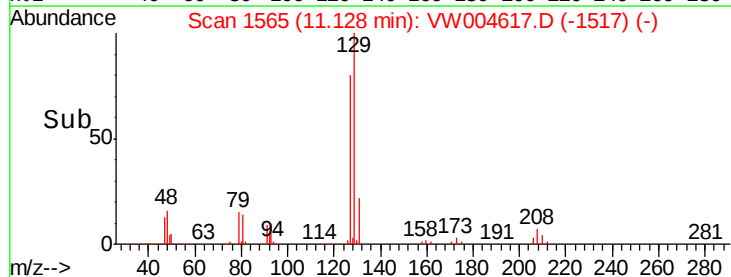
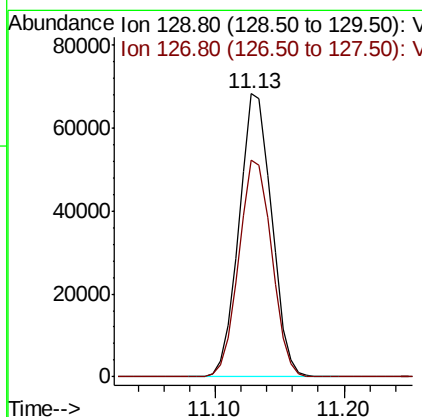
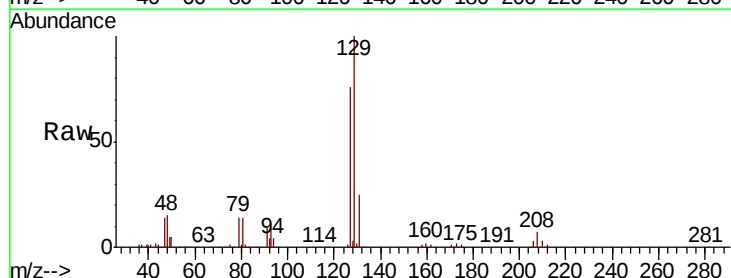
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

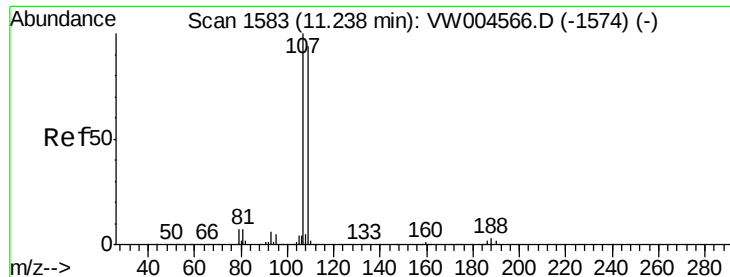
Tgt Ion: 43 Resp: 372841
Ion Ratio Lower Upper
43 100
58 53.6 27.9 83.6



#60
Dibromochloromethane
Concen: 19.744 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion: 129 Resp: 119439
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.960 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

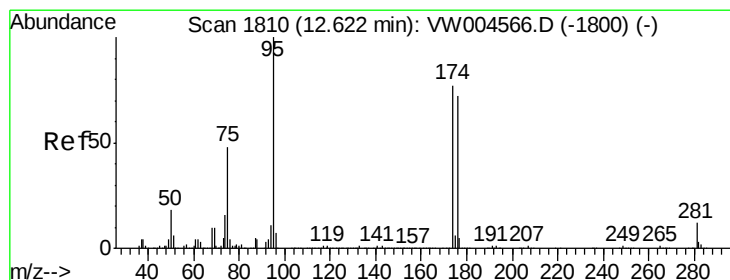
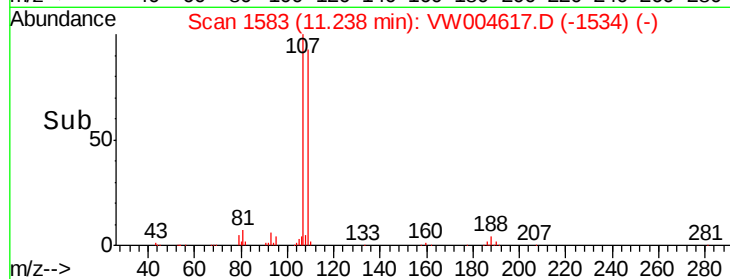
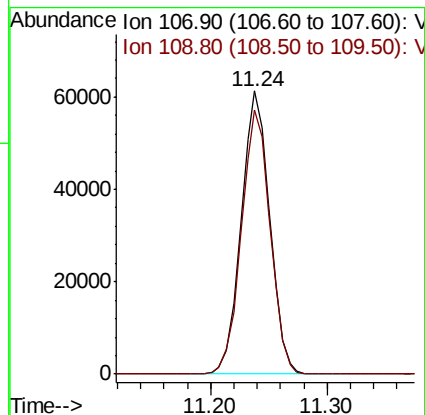
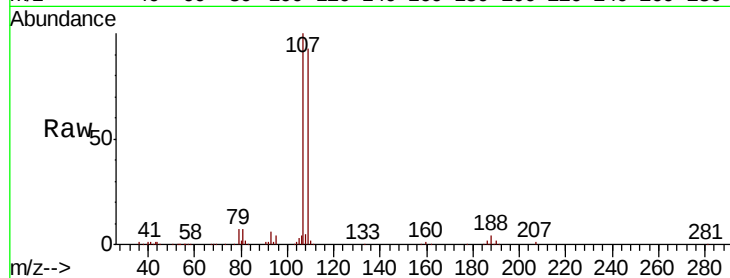
VW0813SBSD02

Tgt Ion: 107 Resp: 104298

Ion Ratio Lower Upper

107 100

109 94.5 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 52.468 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

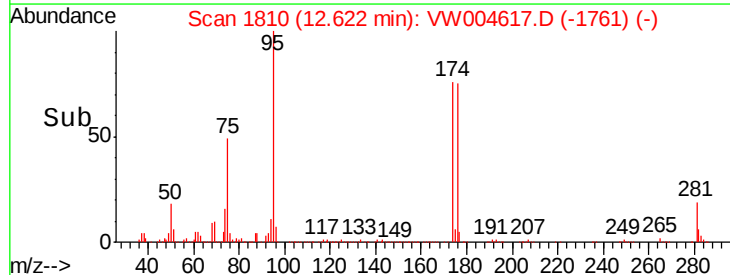
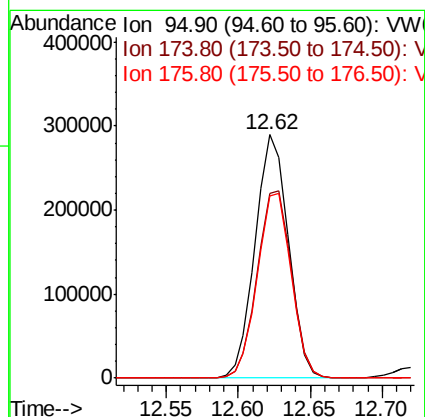
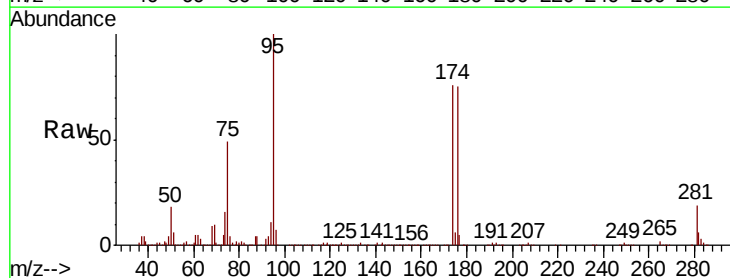
Tgt Ion: 95 Resp: 462489

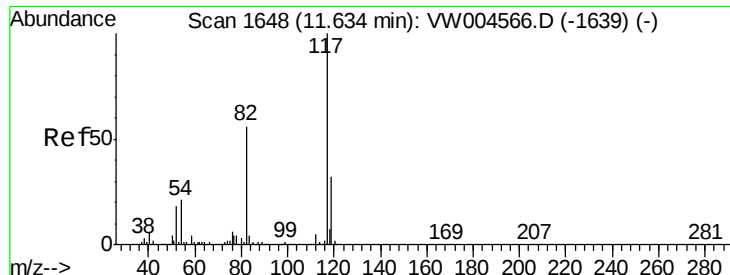
Ion Ratio Lower Upper

95 100

174 79.8 0.0 160.4

176 77.3 0.0 153.2

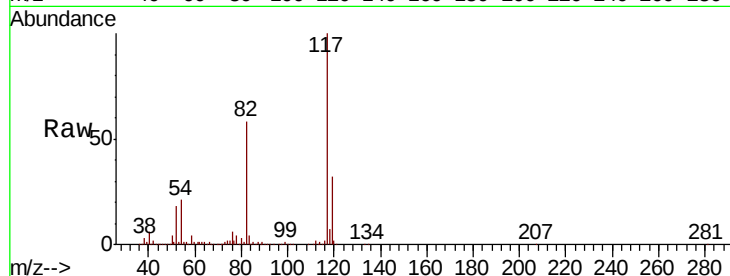




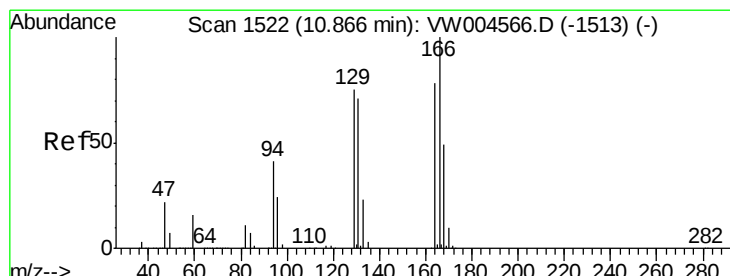
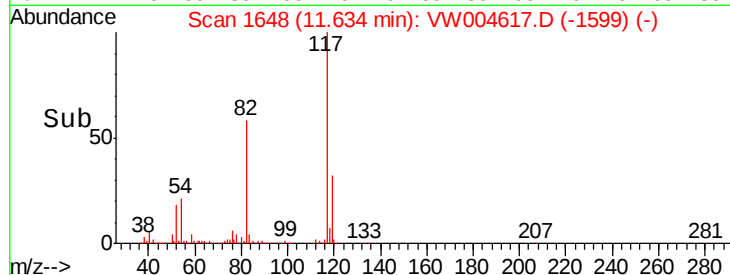
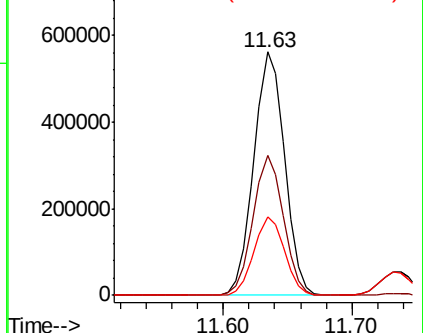
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tgt Ion:117 Resp: 928171
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 32.0 26.2 39.4



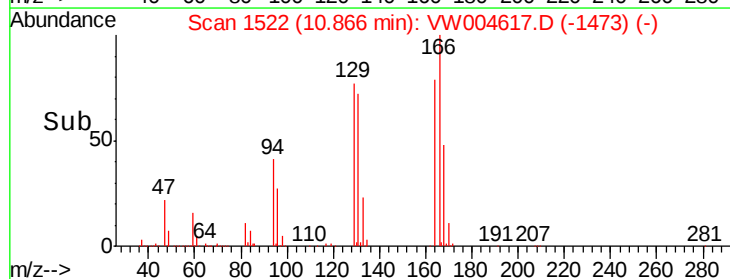
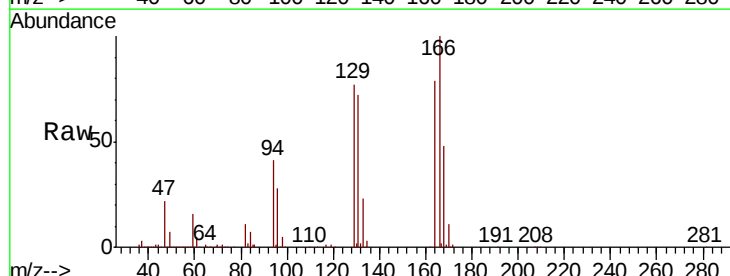
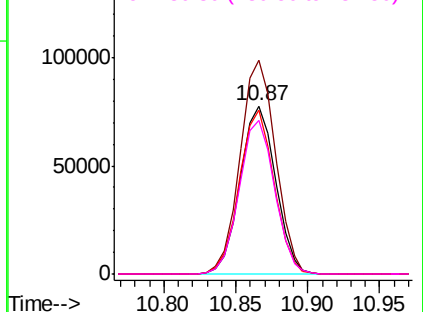
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

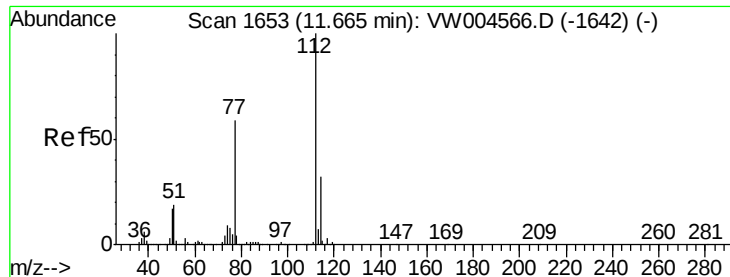


#64
Tetrachloroethene
Concen: 20.452 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion:164 Resp: 132422
Ion Ratio Lower Upper
164 100
166 127.1 98.4 147.6
129 97.3 73.6 110.4
131 91.6 73.1 109.7

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

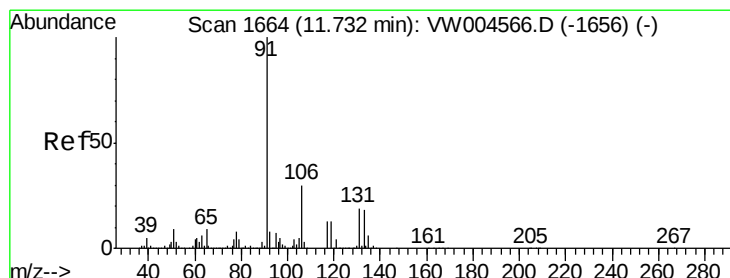
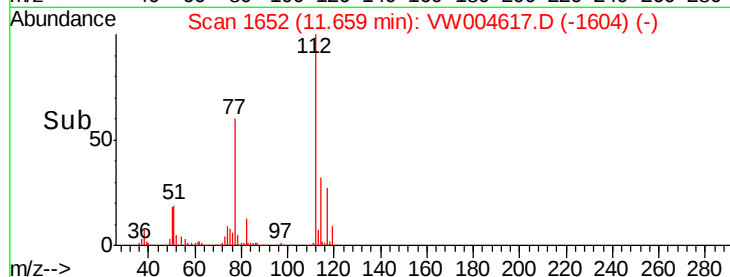
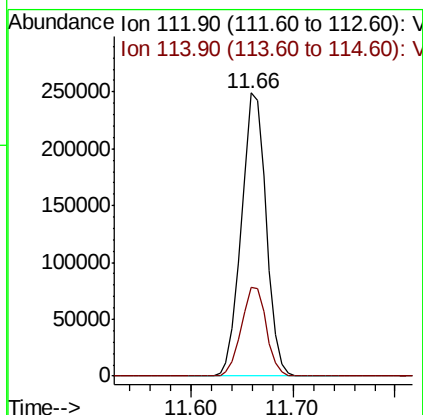
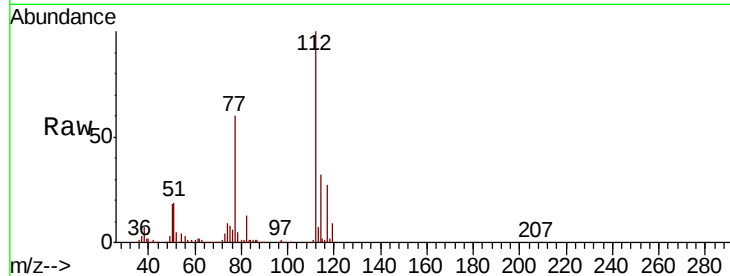




#65
Chlorobenzene
Concen: 20.454 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

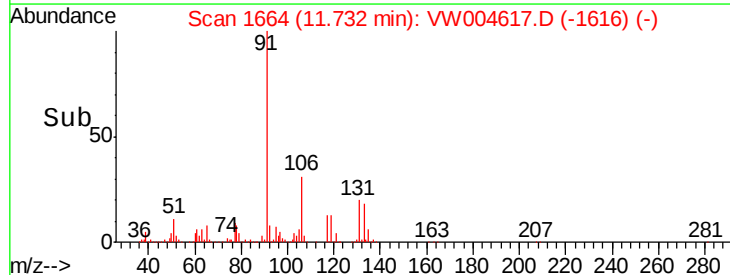
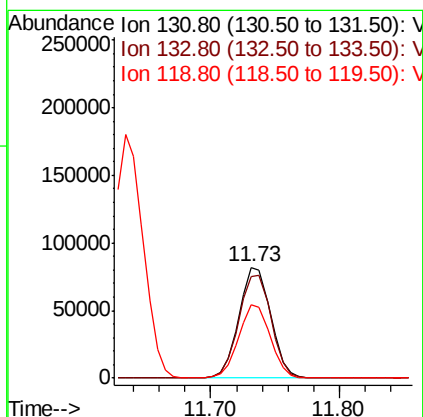
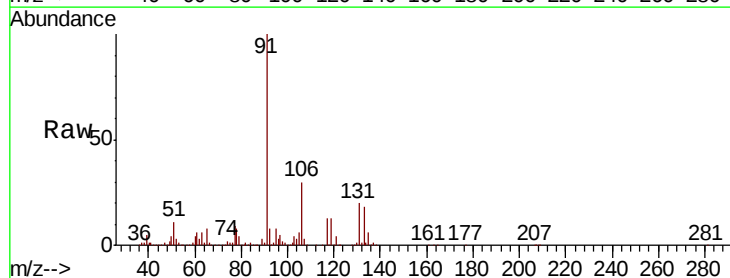
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

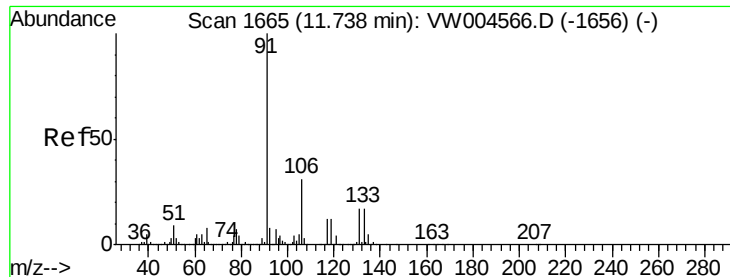
Tgt Ion:112 Resp: 418398
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.078 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion:131 Resp: 139827
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 66.3 33.9 101.7

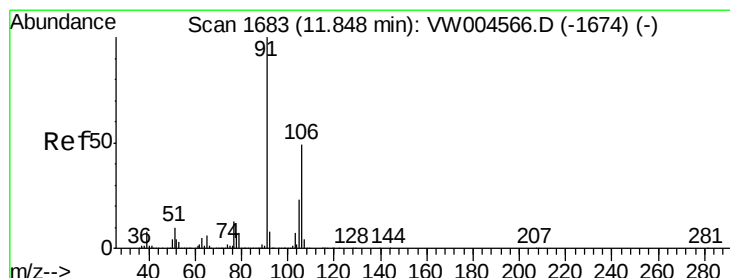
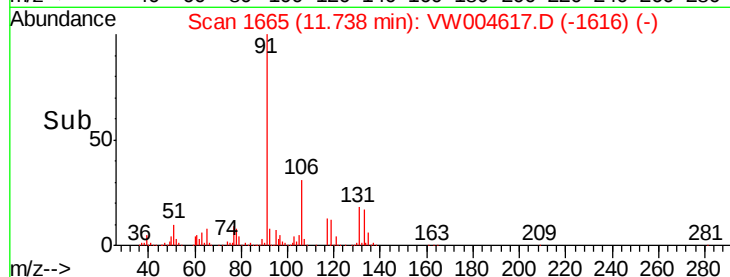
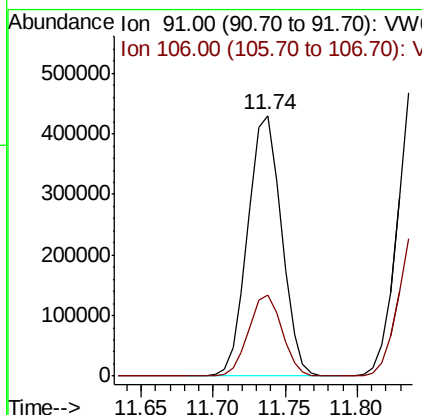
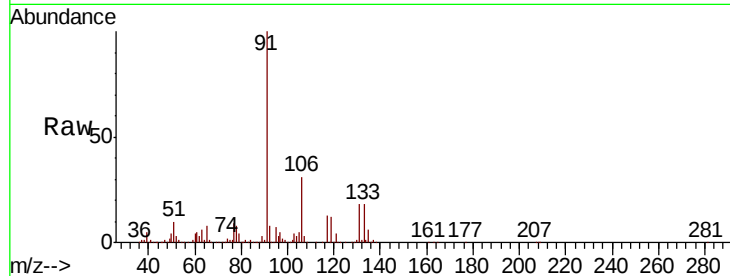




#67
Ethyl Benzene
Concen: 20.129 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

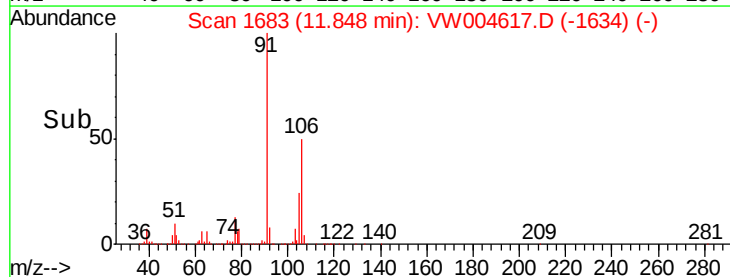
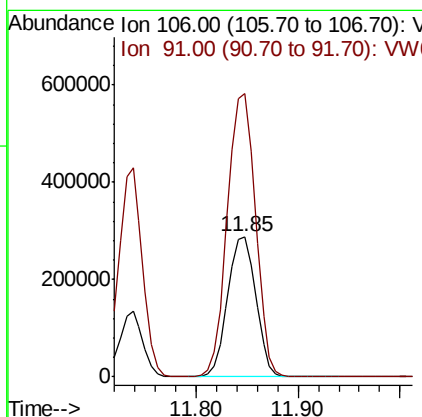
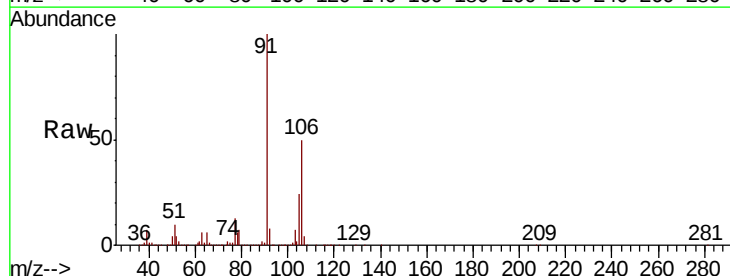
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

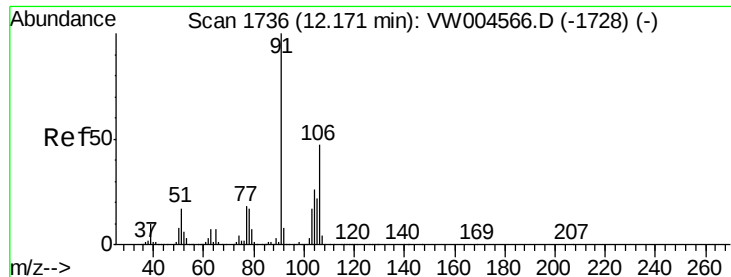
Tgt Ion: 91 Resp: 697995
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.2



#68
m/p-Xylenes
Concen: 41.064 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion: 106 Resp: 550302
Ion Ratio Lower Upper
106 100
91 202.1 162.8 244.2

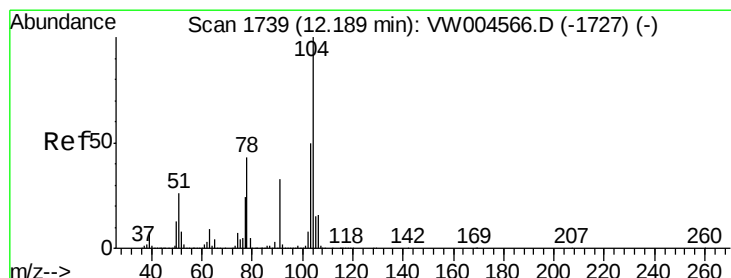
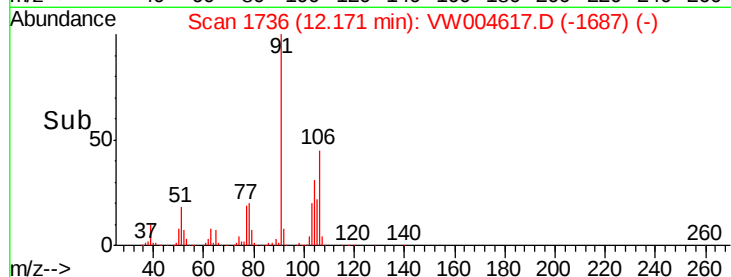
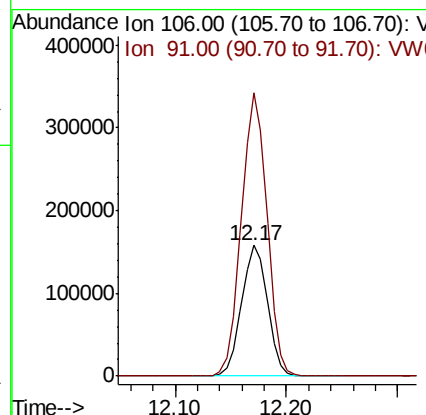
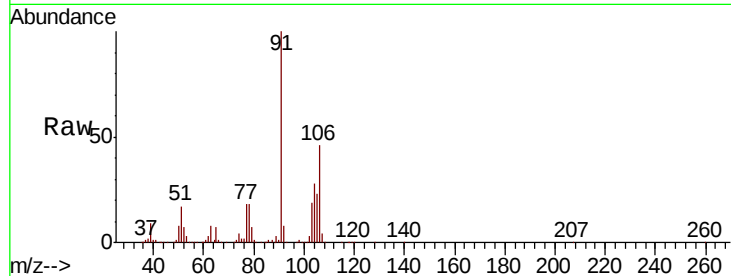




#69
o-Xylene
Concen: 20.401 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

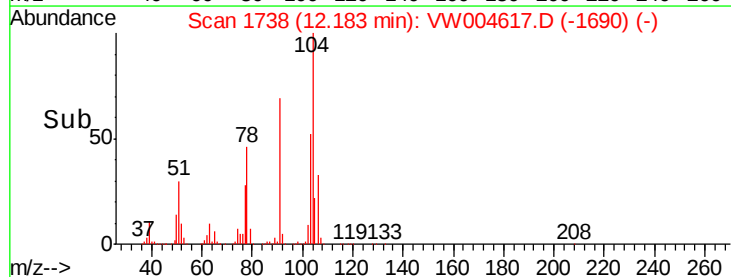
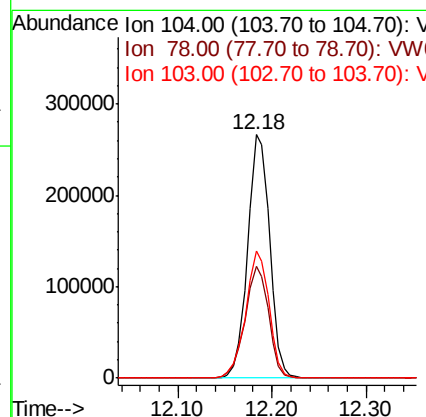
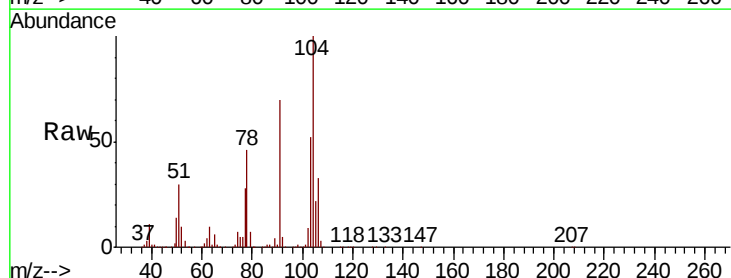
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

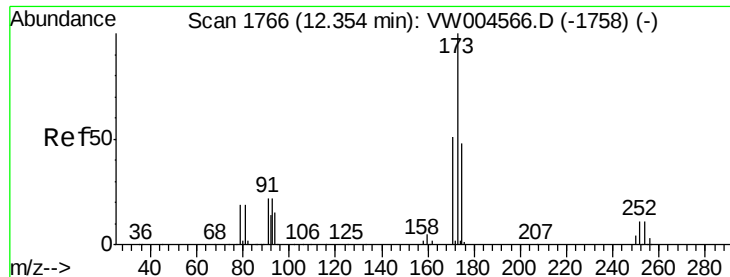
Tgt Ion:106 Resp: 253542
Ion Ratio Lower Upper
106 100
91 215.3 106.7 320.2



#70
Styrene
Concen: 20.764 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion:104 Resp: 436003
Ion Ratio Lower Upper
104 100
78 49.2 39.0 58.4
103 55.3 44.2 66.2

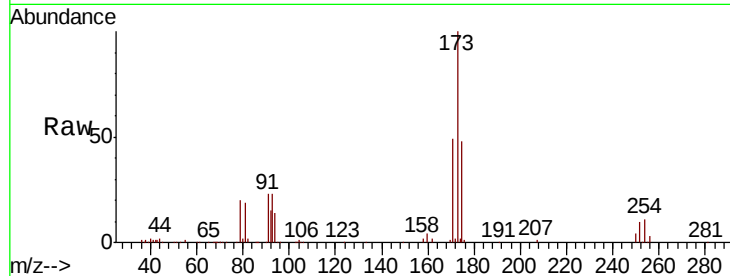




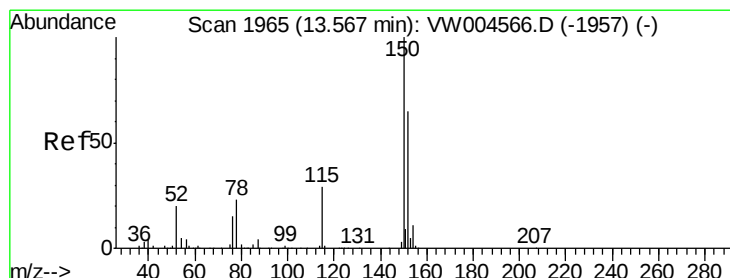
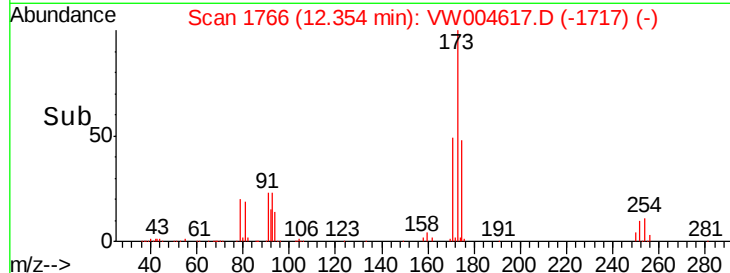
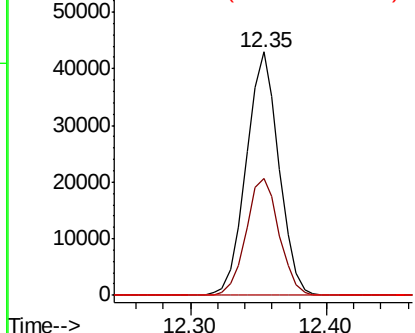
#71
Bromoform
Concen: 18.803 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tgt Ion:173 Resp: 71984
Ion Ratio Lower Upper
173 100
175 48.5 24.5 73.5
254 0.1 0.2 0.2#

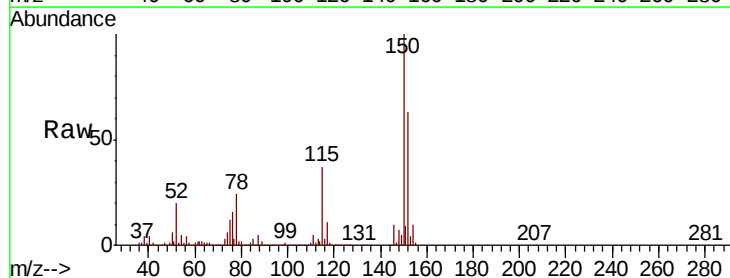


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

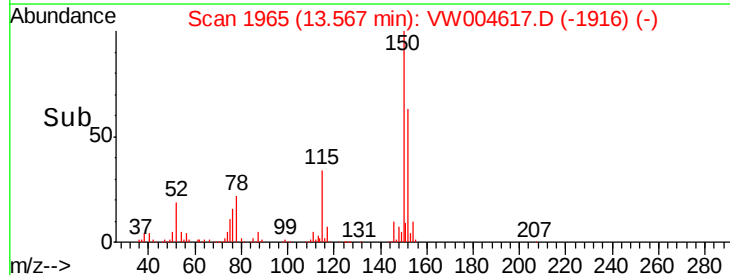
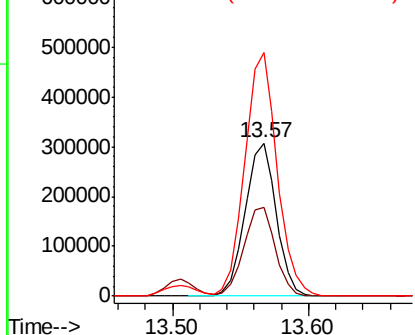


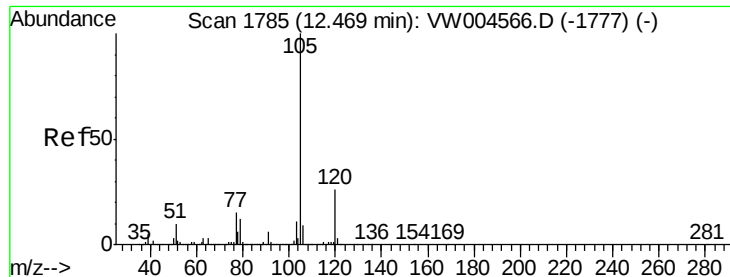
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion:152 Resp: 490174
Ion Ratio Lower Upper
152 100
115 58.8 29.1 87.3
150 165.5 0.0 349.6



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: 20.253 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

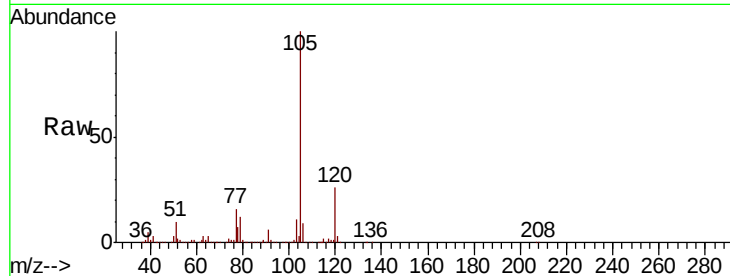
VW0813SBS02

Tgt Ion: 105 Resp: 686673

Ion Ratio Lower Upper

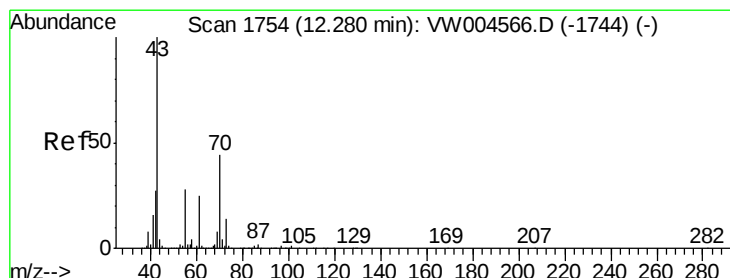
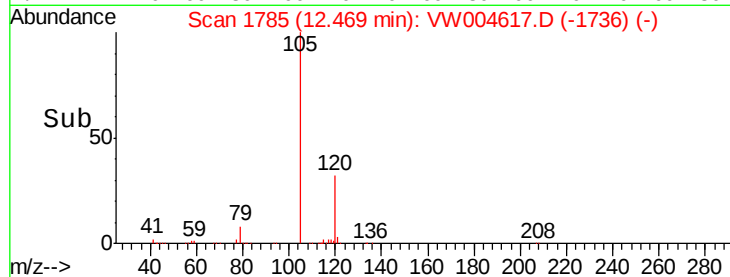
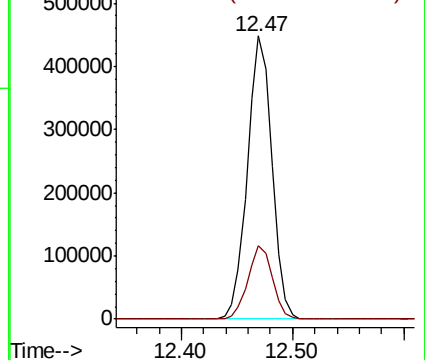
105 100

120 26.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.040 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Tgt Ion: 43 Resp: 148315

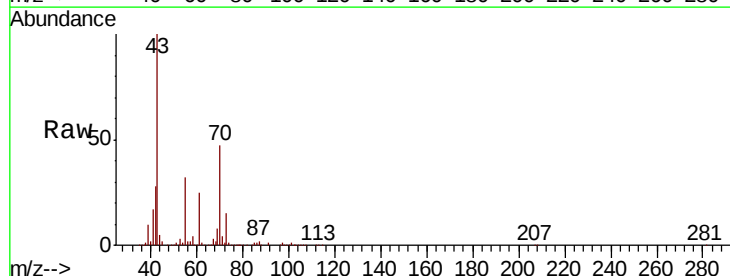
Ion Ratio Lower Upper

43 100

70 45.7 35.3 52.9

55 31.3 22.9 34.3

61 25.1 19.7 29.5

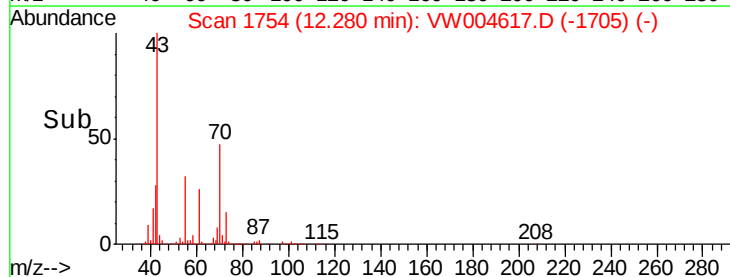
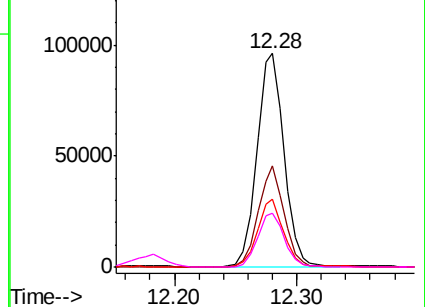


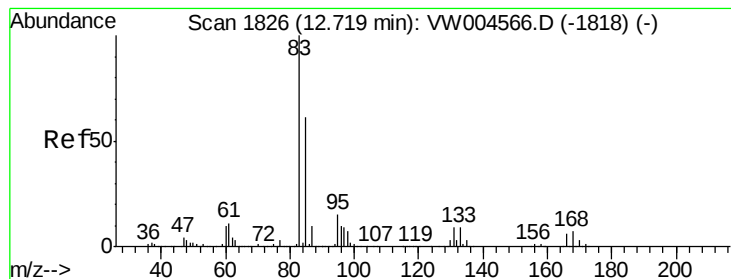
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 19.167 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

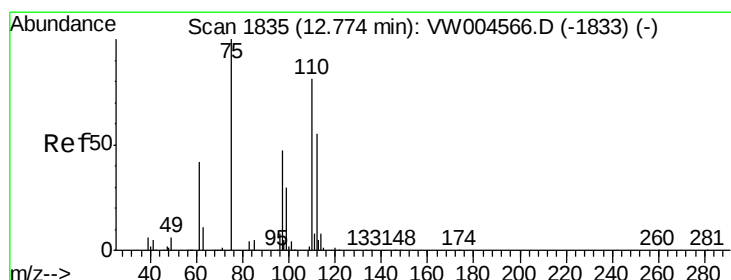
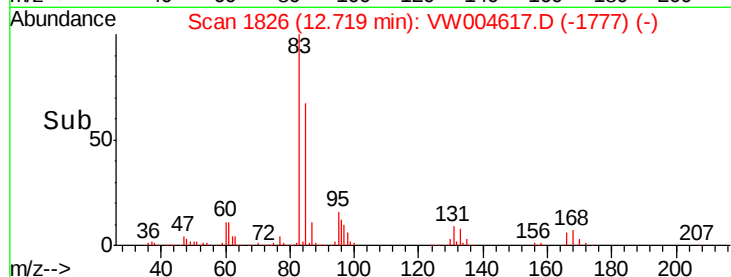
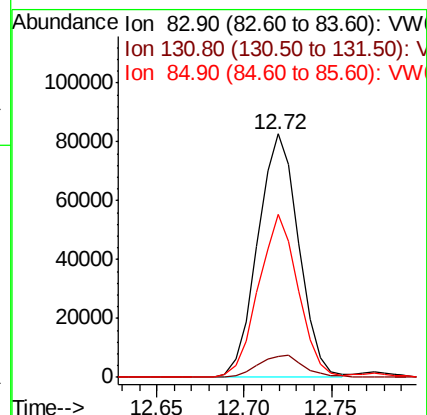
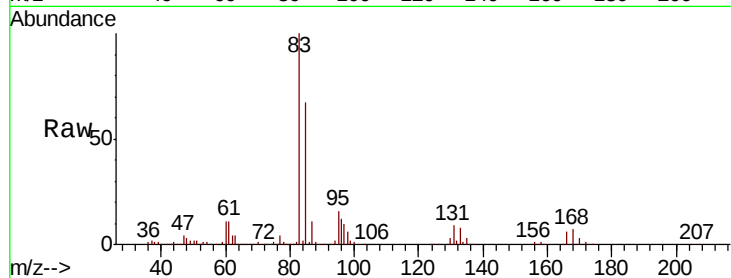
Tgt Ion: 83 Resp: 135660

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

85 64.7 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 33.961 ug/l

RT: 12.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VW004617.D

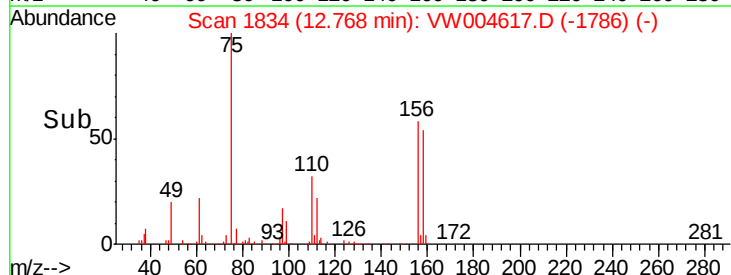
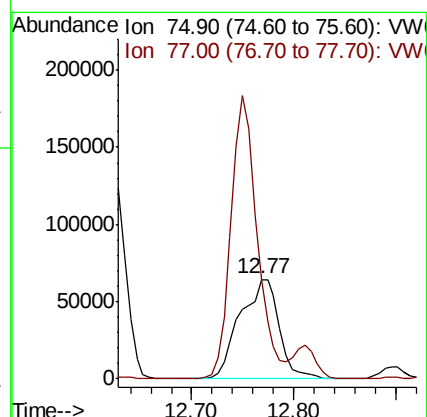
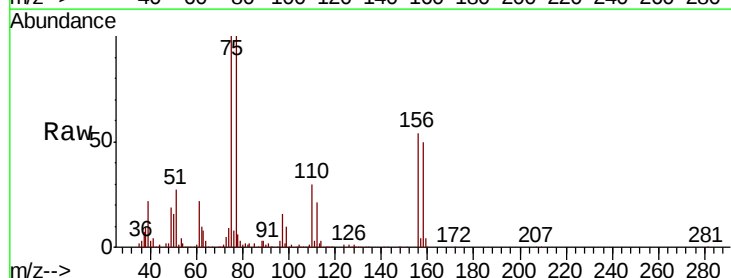
Acq: 11 Aug 2018 01:34

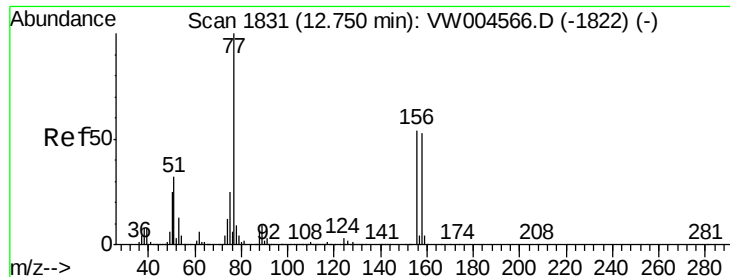
Tgt Ion: 75 Resp: 172258

Ion Ratio Lower Upper

75 100

77 190.3 0.0 0.0#





#77

Bromobenzene

Concen: 20.623 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

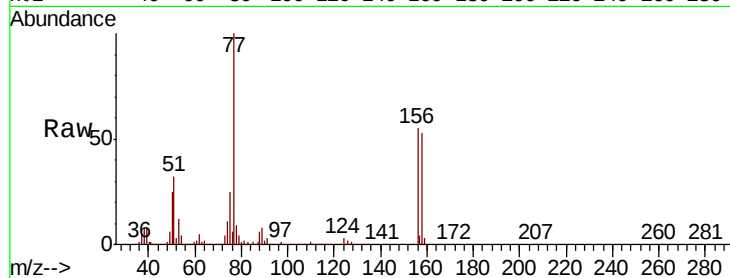
Tgt Ion:156 Resp: 169173

Ion Ratio Lower Upper

156 100

77 193.7 98.7 296.1

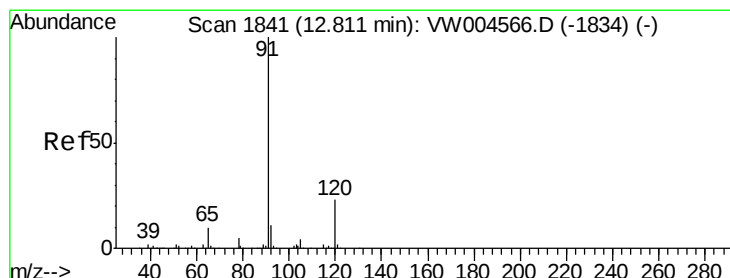
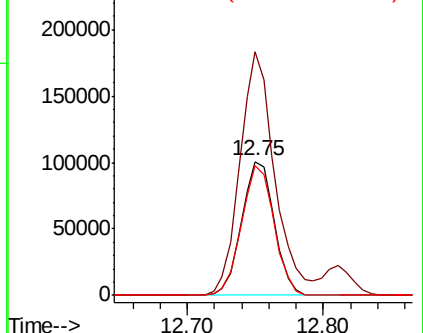
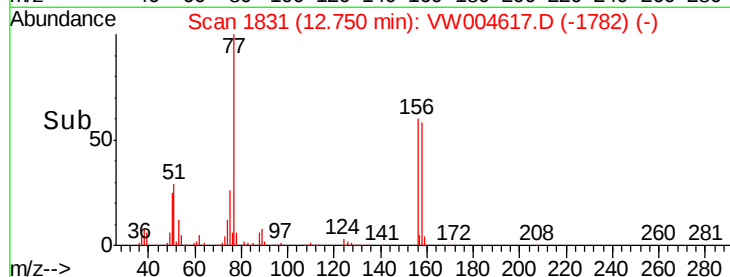
158 96.6 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.702 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004617.D

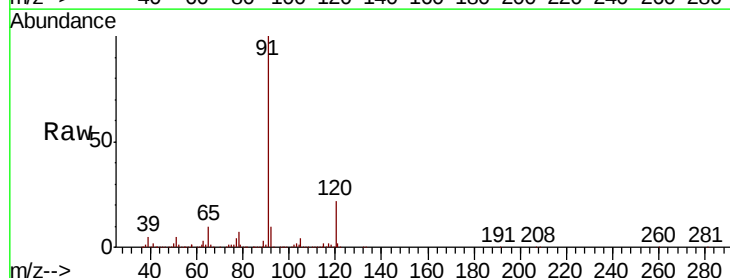
Acq: 11 Aug 2018 01:34

Tgt Ion: 91 Resp: 866110

Ion Ratio Lower Upper

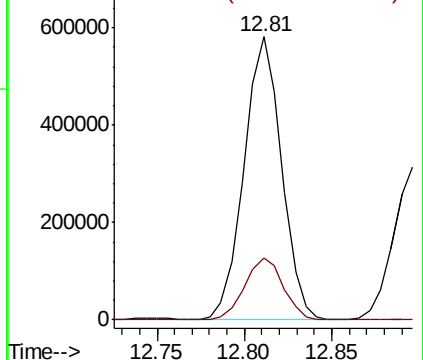
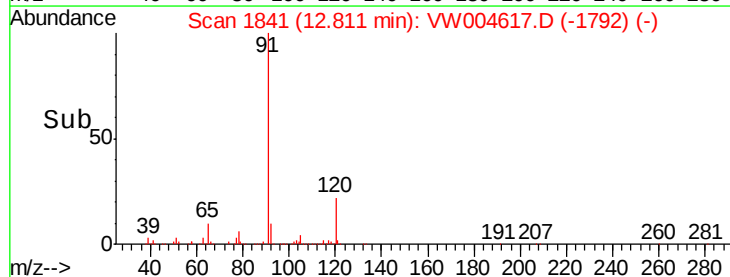
91 100

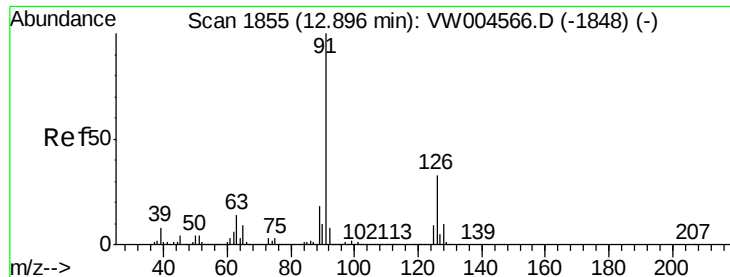
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.796 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

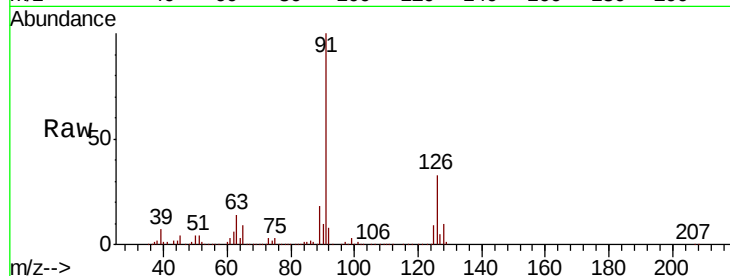
VW0813SBSD02

Tgt Ion: 91 Resp: 503490

Ion Ratio Lower Upper

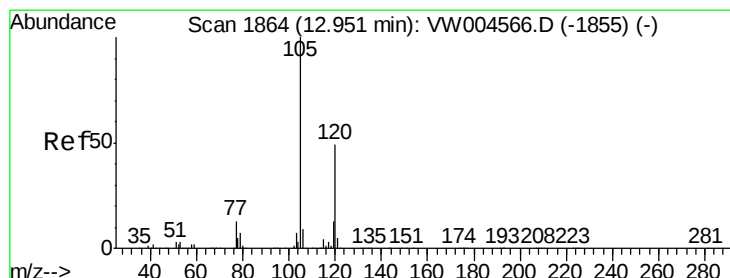
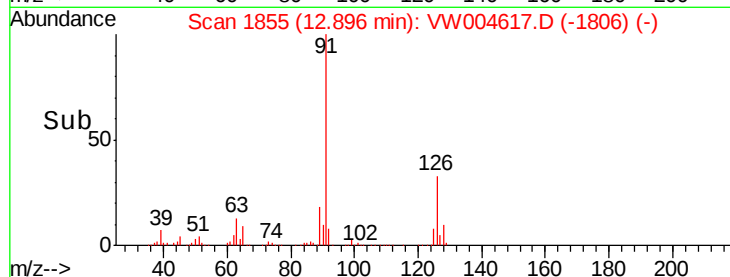
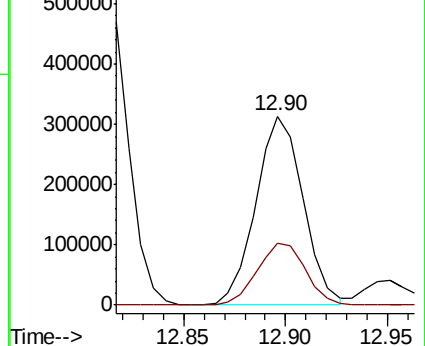
91 100

126 33.8 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.981 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004617.D

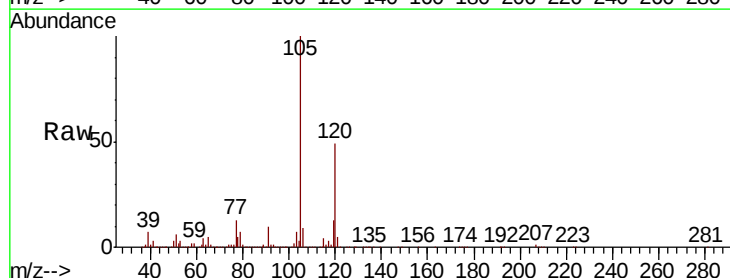
Acq: 11 Aug 2018 01:34

Tgt Ion: 105 Resp: 606810

Ion Ratio Lower Upper

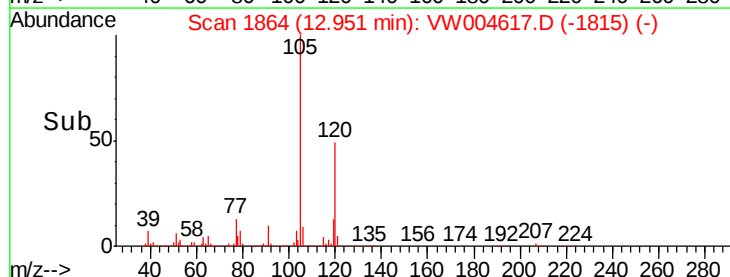
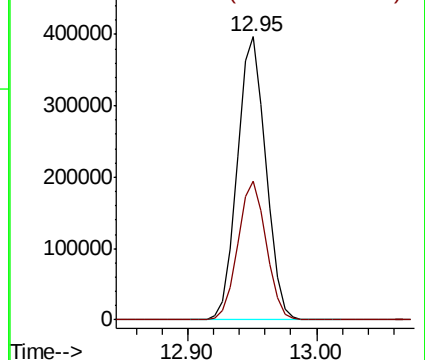
105 100

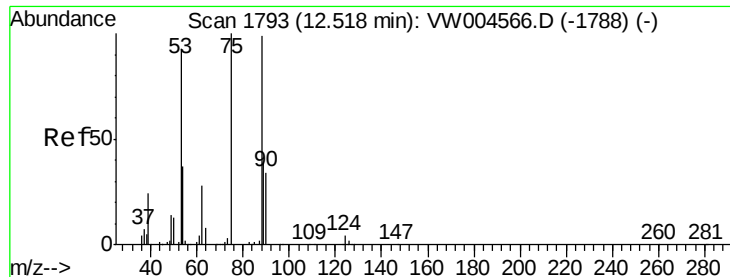
120 48.8 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.422 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

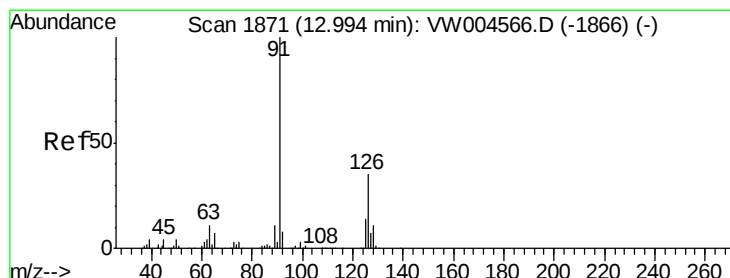
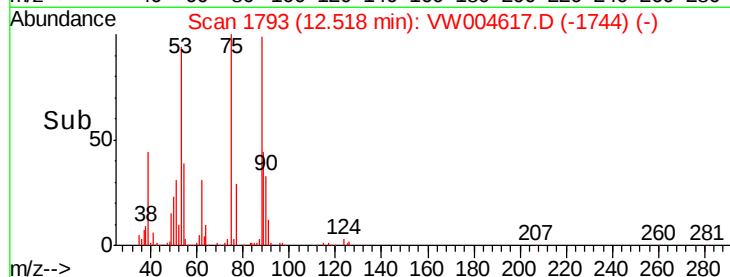
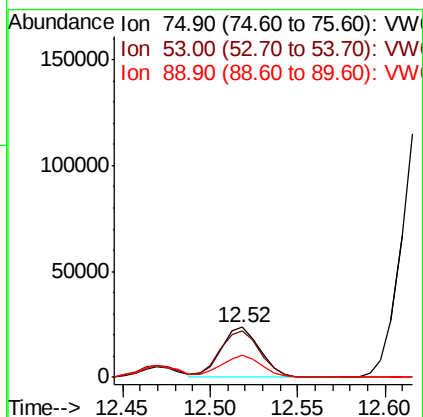
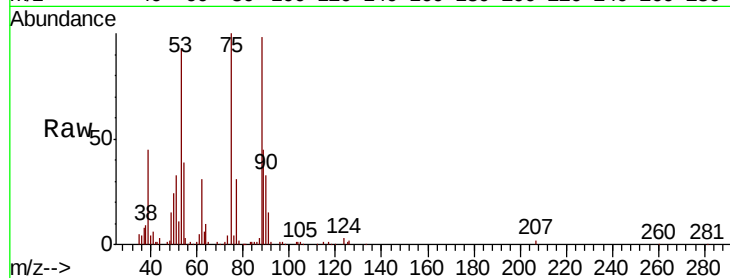
Tgt Ion: 75 Resp: 36915

Ion Ratio Lower Upper

75 100

53 95.6 74.4 111.6

89 43.7 35.9 53.9



#82

4-Chlorotoluene

Concen: 20.956 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004617.D

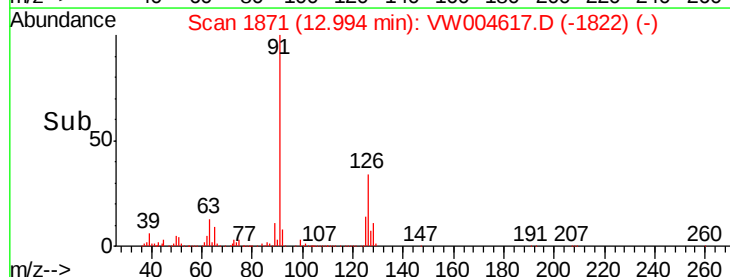
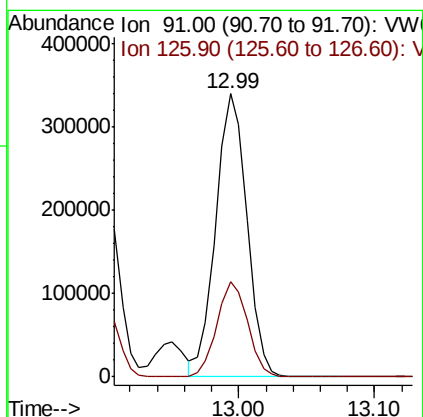
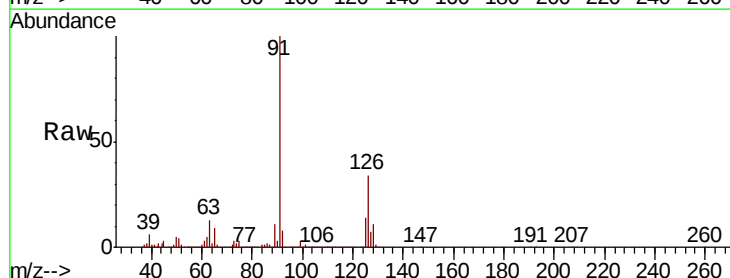
Acq: 11 Aug 2018 01:34

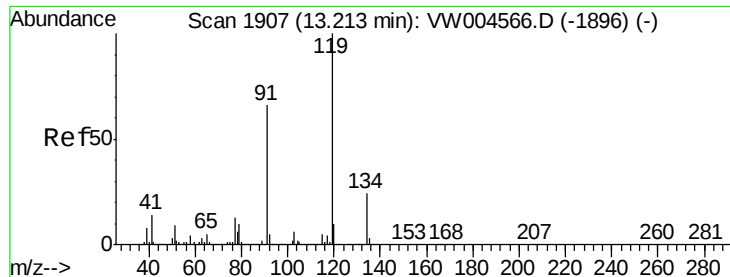
Tgt Ion: 91 Resp: 538467

Ion Ratio Lower Upper

91 100

126 33.3 16.5 49.5

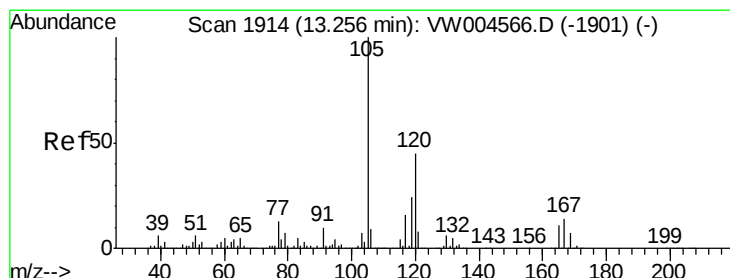
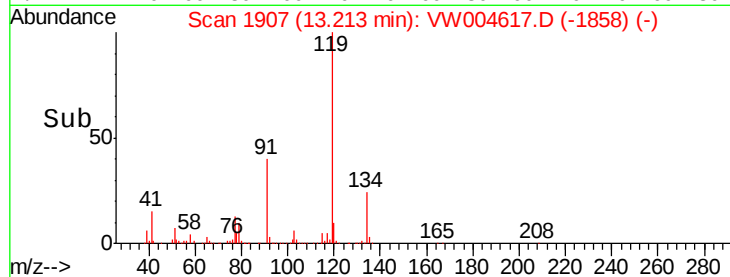
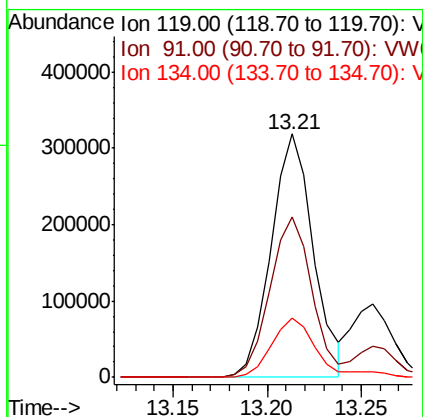
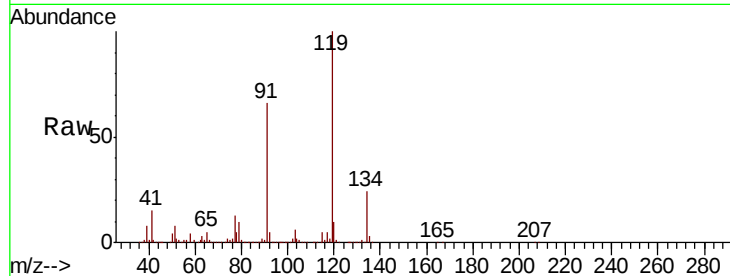




#83
tert-Butylbenzene
Concen: 20.352 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

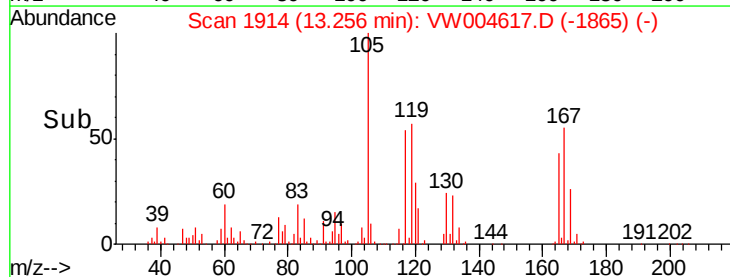
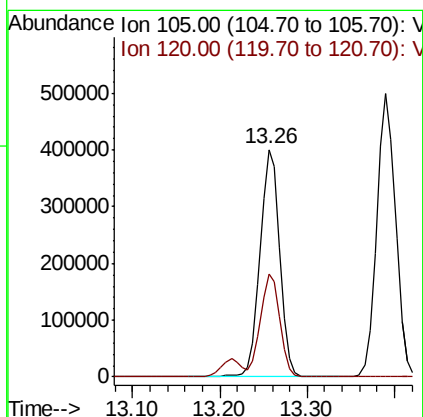
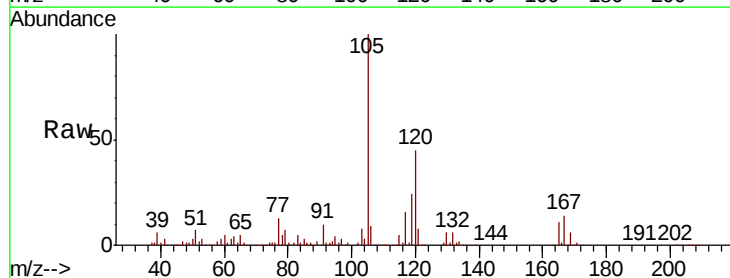
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

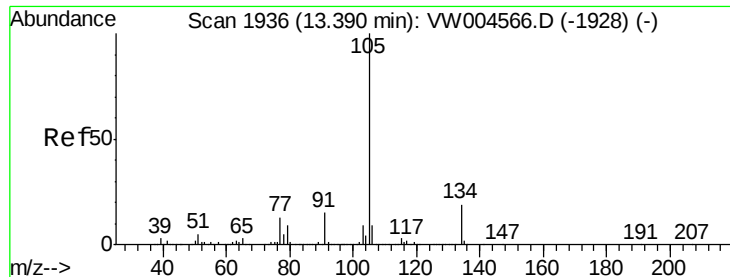
Tgt Ion:119 Resp: 493742
Ion Ratio Lower Upper
119 100
91 65.5 33.3 99.8
134 26.5 12.2 36.6



#84
1,2,4-Trimethylbenzene
Concen: 20.990 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion:105 Resp: 628461
Ion Ratio Lower Upper
105 100
120 44.4 22.6 67.8

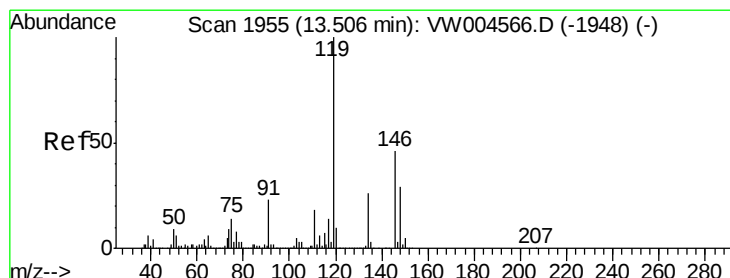
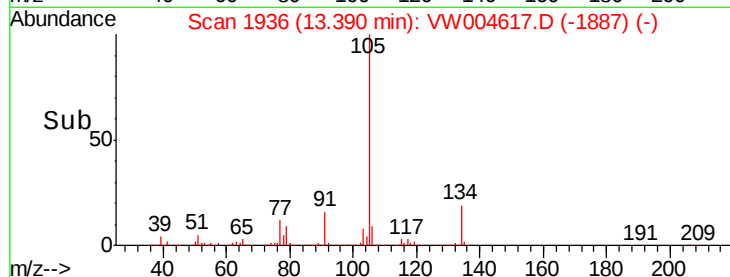
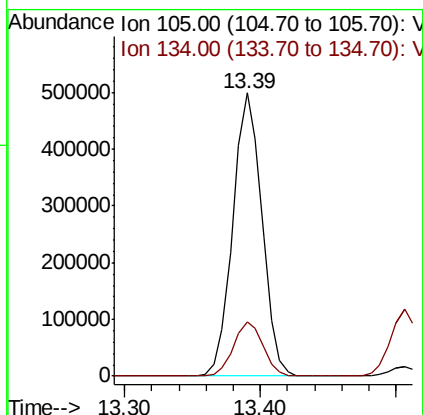
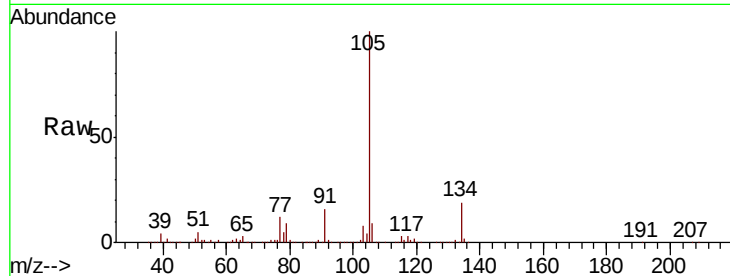




#85
 sec-Butylbenzene
 Concen: 20.296 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

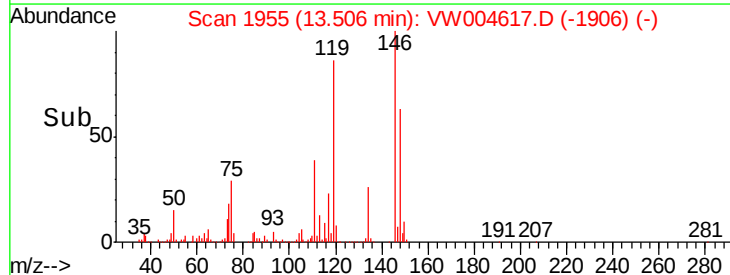
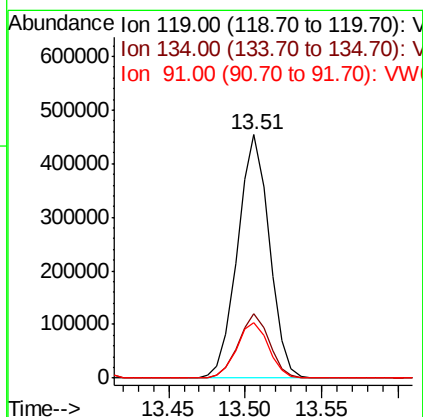
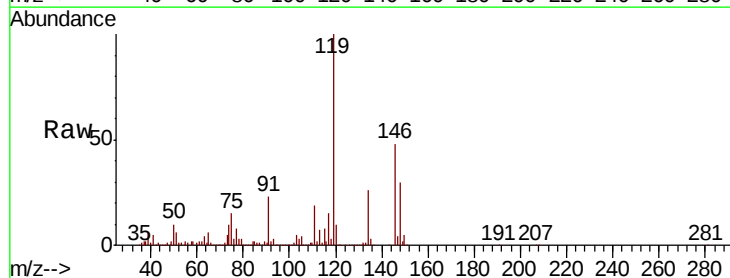
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

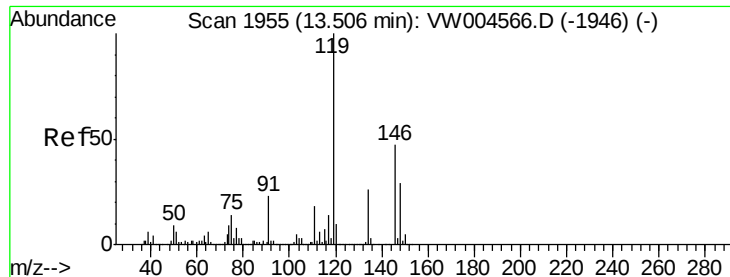
Tgt Ion:105 Resp: 742781
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.555 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion:119 Resp: 651863
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.1 39.1
 91 23.1 11.4 34.1

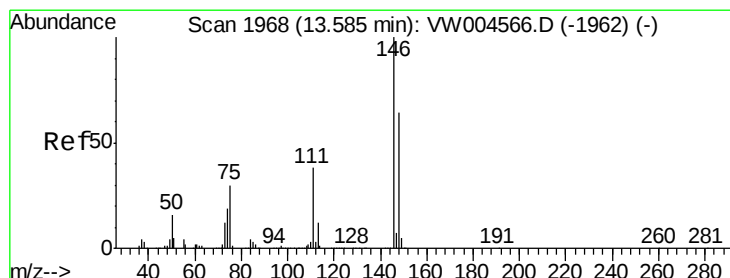
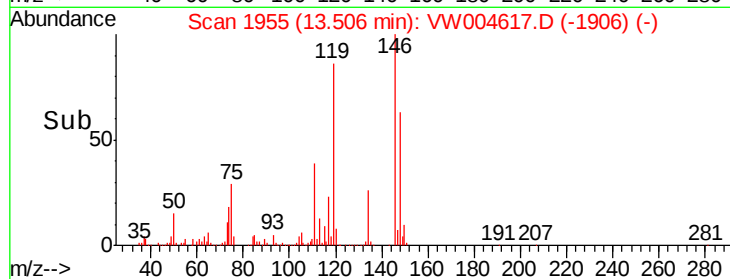
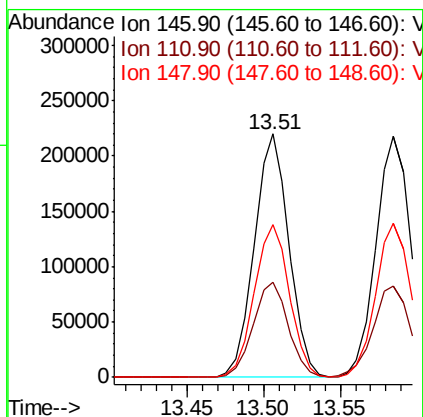
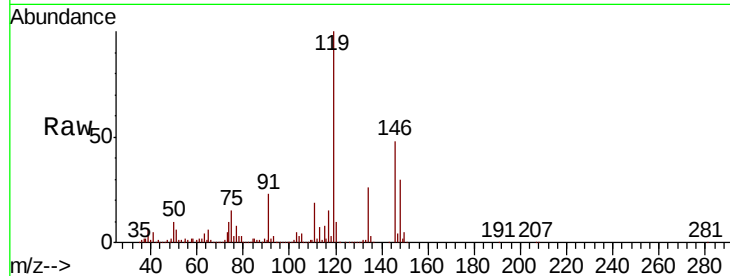




#87
 1,3-Dichlorobenzene
 Concen: 20.514 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

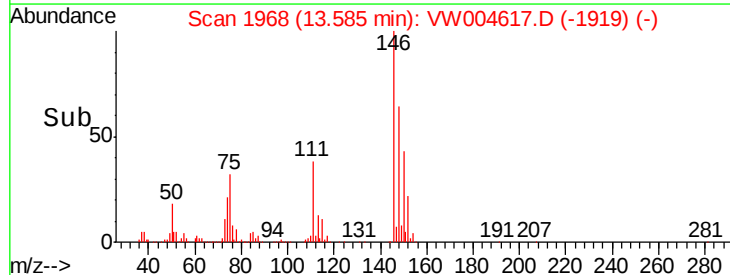
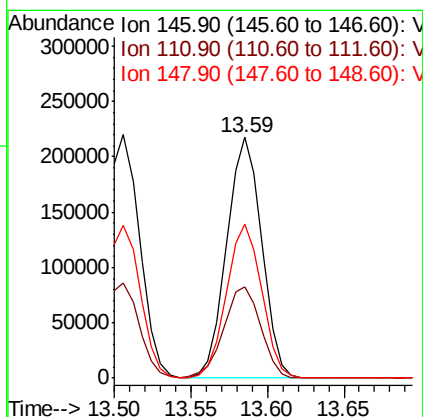
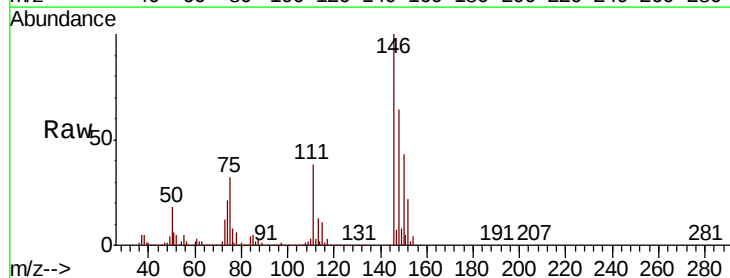
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

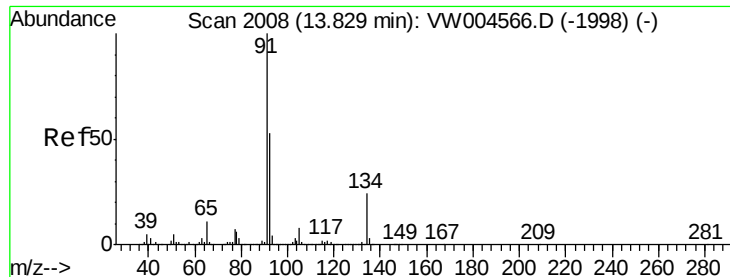
Tgt Ion:146 Resp: 346741
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 59.9
 148 63.7 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.519 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion:146 Resp: 345251
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.6 58.8
 148 64.4 31.9 95.5

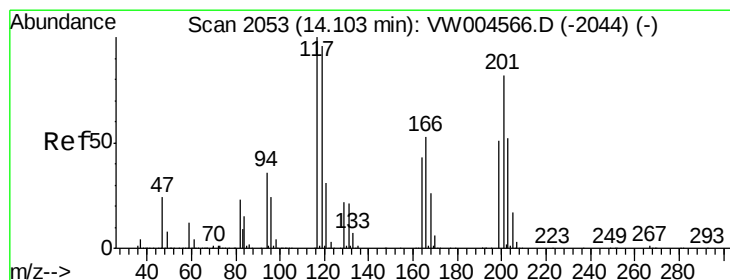
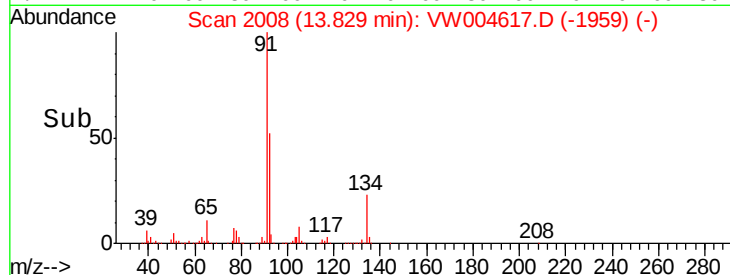
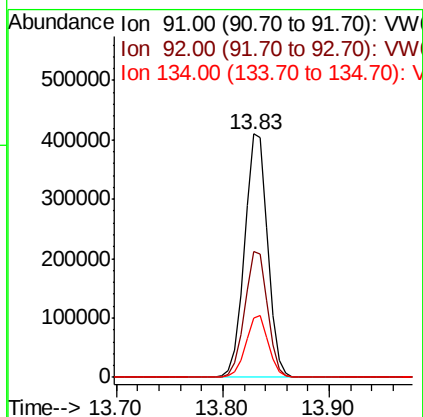
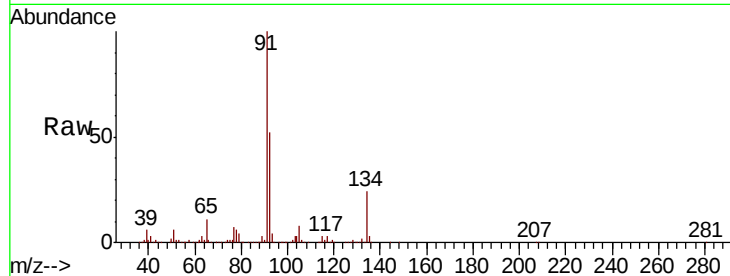




#89
n-Butylbenzene
Concen: 19.949 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

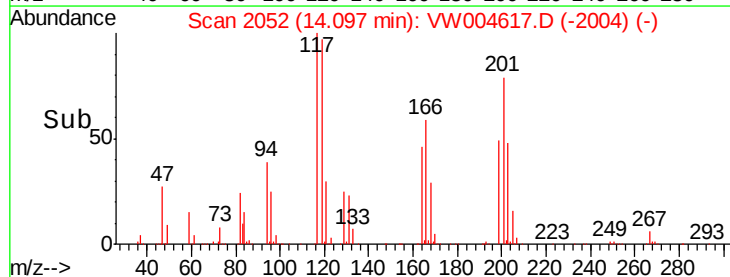
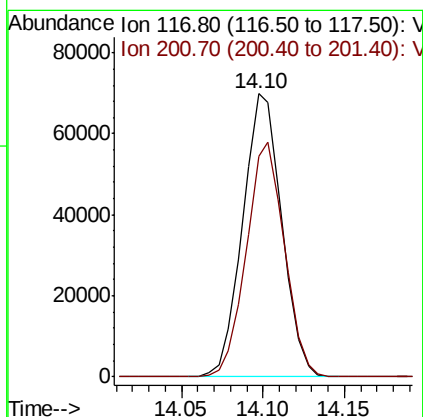
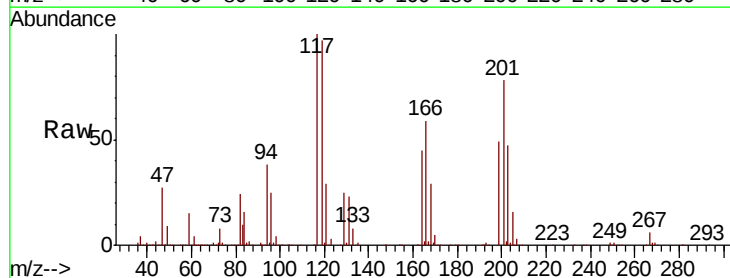
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

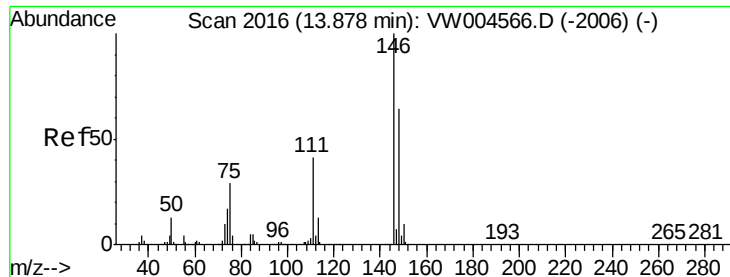
Tgt Ion: 91 Resp: 621612
Ion Ratio Lower Upper
91 100
92 51.4 26.4 79.0
134 24.7 12.4 37.2



#90
Hexachloroethane
Concen: 19.826 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion: 117 Resp: 116328
Ion Ratio Lower Upper
117 100
201 80.9 40.1 120.3

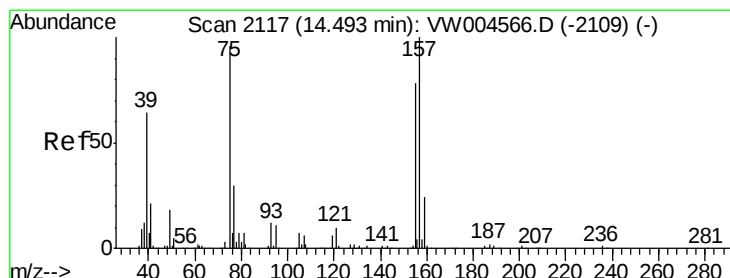
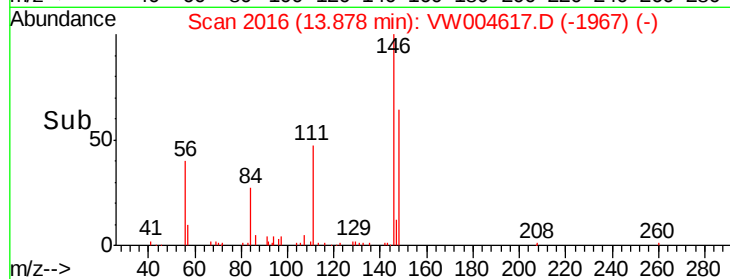
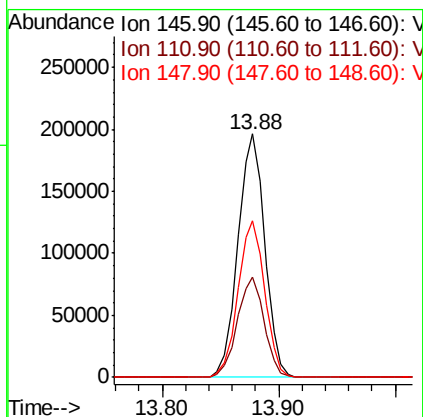
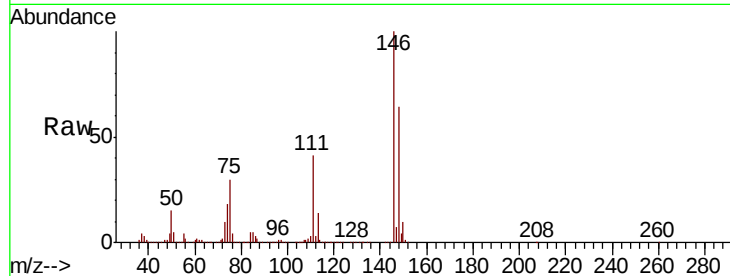




#91
 1,2-Dichlorobenzene
 Concen: 20.530 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

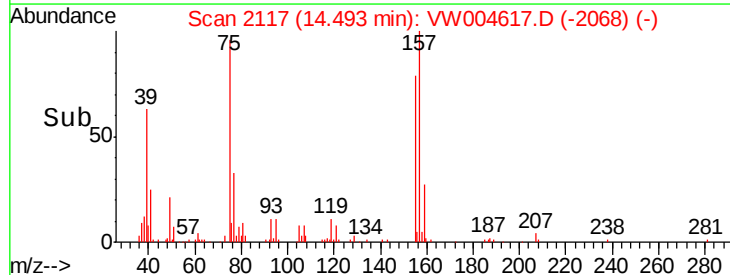
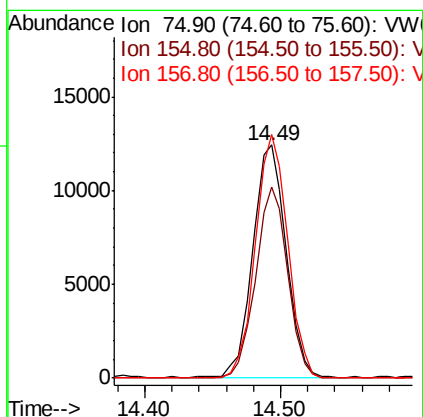
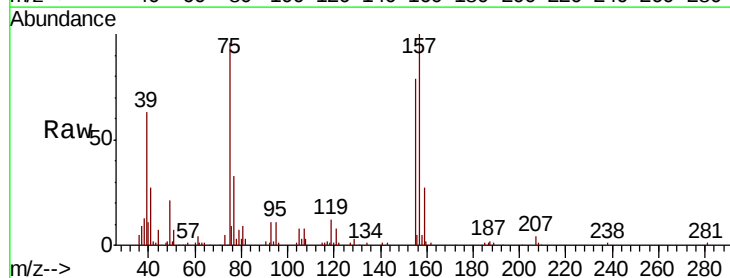
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

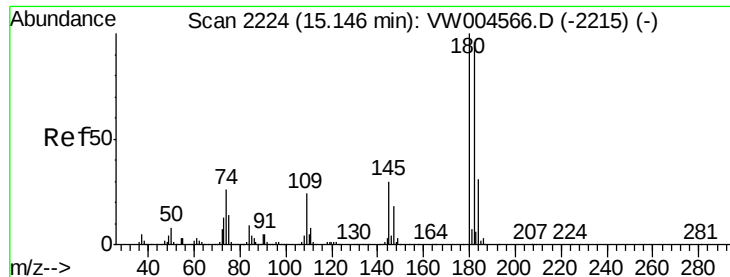
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.2
148	64.1	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.613 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	41.3	123.7
157	100.3	52.6	157.8

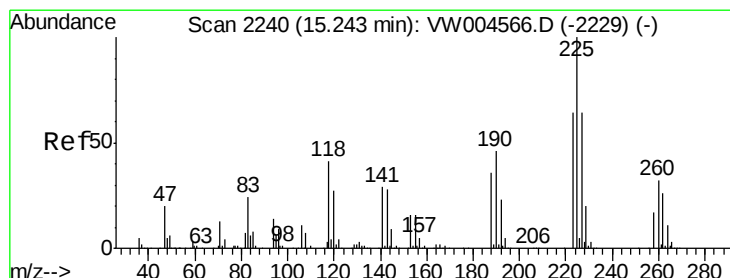
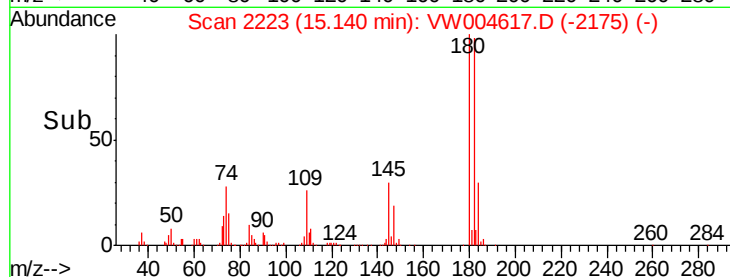
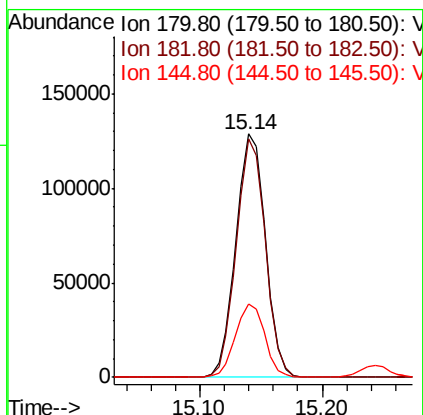
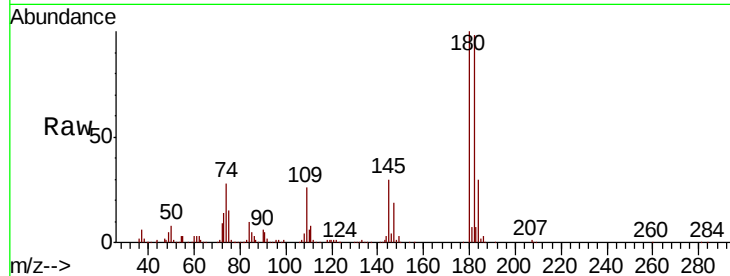




#93
 1,2,4-Trichlorobenzene
 Concen: 20.346 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

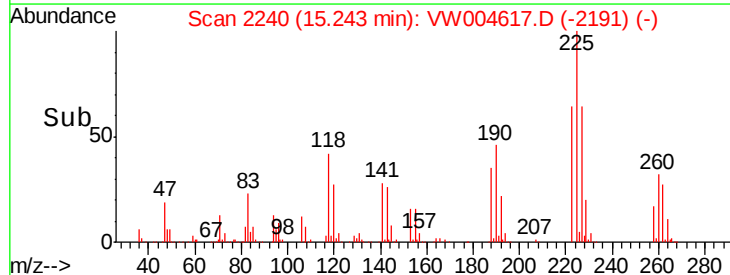
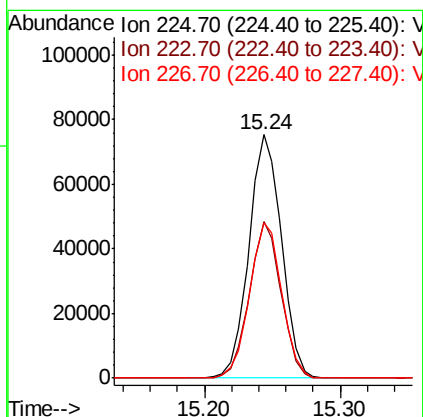
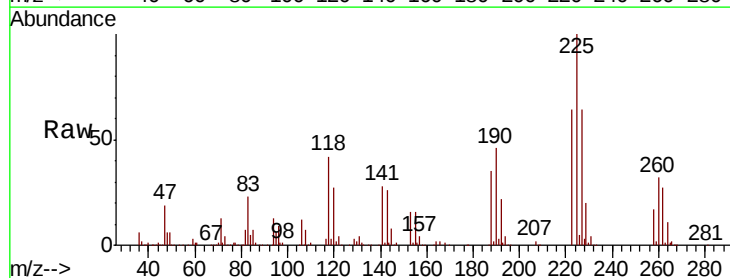
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

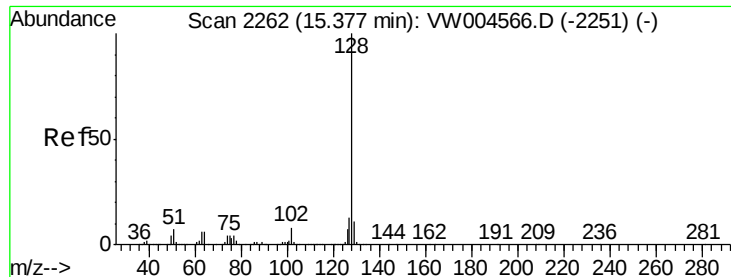
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.6
145	30.0	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 20.446 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.3	93.8
227	63.3	31.8	95.4

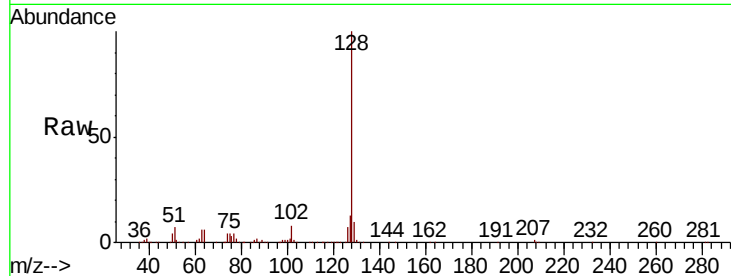




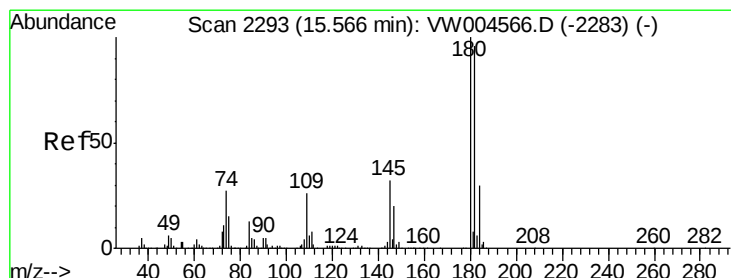
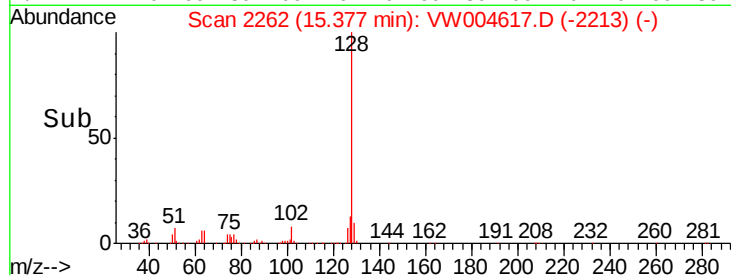
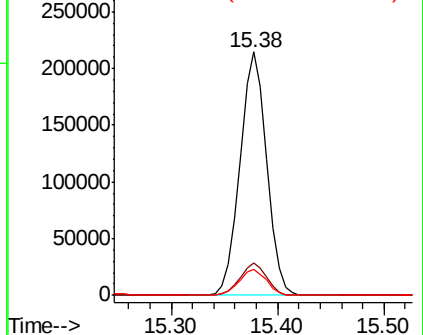
#95
Naphthalene
Concen: 19.169 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tgt Ion:128 Resp: 378180
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.9 8.6 13.0

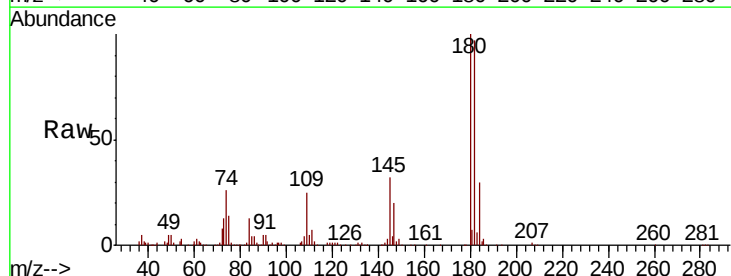


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.541 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion:180 Resp: 195972
Ion Ratio Lower Upper
180 100
182 95.1 47.0 141.2
145 31.8 15.9 47.6



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

