

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080618\
 Data File : VW004483.D
 Acq On : 06 Aug 2018 21:45
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW080618

Quant Time: Aug 07 07:59:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:40:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	766501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1199602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1130959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	591284	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	409605	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.88	113	387120	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.33	98	1512717	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.62	95	564620	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	252037	81.135	ug/l	99
3) Chloromethane	2.22	50	372085	75.919	ug/l	99
4) Vinyl Chloride	2.37	62	503462	63.460	ug/l	98
5) Bromomethane	2.78	94	298001	58.394	ug/l	98
6) Chloroethane	2.92	64	306026	61.736	ug/l	97
7) Trichlorofluoromethane	3.25	101	185057	42.280	ug/l	97
8) Diethyl Ether	3.67	74	243775	59.109	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	410492	52.678	ug/l	99
10) Methyl Iodide	4.27	142	638951	55.062	ug/l	99
11) Tert butyl alcohol	5.21	59	141567	251.914	ug/l	97
12) 1,1-Dichloroethene	4.04	96	414752	53.524	ug/l	99
13) Acrolein	3.89	56	147853	285.462	ug/l	96
14) Allyl chloride	4.66	41	656398	53.473	ug/l	98
15) Acrylonitrile	5.37	53	557217	309.979	ug/l	99
16) Acetone	4.14	43	546331	306.127	ug/l	97
17) Carbon Disulfide	4.38	76	1342223	55.985	ug/l	99
18) Methyl Acetate	4.67	43	273633	58.648	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	623441	46.794	ug/l	97
20) Methylene Chloride	4.92	84	517256	59.982	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	458502	55.089	ug/l	98
22) Diisopropyl ether	6.31	45	1385541	58.844	ug/l	99
23) Vinyl Acetate	6.26	43	4243025	307.897	ug/l	99
24) 1,1-Dichloroethane	6.21	63	840531	55.242	ug/l	99
25) 2-Butanone	7.18	43	902390	388.993	ug/l	100
26) 2,2-Dichloropropane	7.17	77	402745	46.859	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	501267	58.841	ug/l	99
28) Bromochloromethane	7.51	49	356528	64.411	ug/l	99
29) Tetrahydrofuran	7.54	42	485934	340.669	ug/l	100
30) Chloroform	7.68	83	811622	55.970	ug/l	99
31) Cyclohexane	7.96	56	778913	57.681	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	605901	51.621	ug/l	99
36) 1,1-Dichloropropene	8.09	75	647306	53.330	ug/l	99
37) Ethyl Acetate	7.26	43	318795	63.360	ug/l	99
38) Carbon Tetrachloride	8.07	117	572371	48.335	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	832039	56.416	ug/l	99
40) Benzene	8.33	78	1909632	55.674	ug/l	99
41) Methacrylonitrile	7.49	41	199688	69.358	ug/l	93
42) 1,2-Dichloroethane	8.40	62	518795	53.191	ug/l	100
43) Isopropyl Acetate	8.43	43	574389	63.577	ug/l	99
44) Trichloroethene	9.09	130	469168	51.217	ug/l	96
45) 1,2-Dichloropropane	9.37	63	480835	56.474	ug/l	99
46) Dibromomethane	9.46	93	244648	56.129	ug/l	99
47) Bromodichloromethane	9.65	83	578663	53.026	ug/l	99
48) Methyl methacrylate	9.44	41	275570	60.375	ug/l	98
49) 1,4-Dioxane	9.48	88	81826	1235.371	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	2030764	386.035	ug/l	100
52) Toluene	10.39	92	1147018	53.641	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	594998	54.441	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	688483	53.993	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	352223	56.901	ug/l	99
56) Ethyl methacrylate	10.65	69	471159	62.618	ug/l	100
57) 1,3-Dichloropropane	10.94	76	611856	57.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1144187	332.250	ug/l	99
59) 2-Hexanone	10.98	43	1391891	386.617	ug/l	100
60) Dibromochloromethane	11.13	129	392098	53.351	ug/l	99
61) 1,2-Dibromoethane	11.24	107	336395	56.883	ug/l	99
64) Tetrachloroethene	10.87	164	414848	50.412	ug/l	97
65) Chlorobenzene	11.66	112	1262874	53.022	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	434243	51.633	ug/l	99
67) Ethyl Benzene	11.74	91	2219633	53.244	ug/l	99
68) m/p-Xylenes	11.85	106	1721140	107.589	ug/l	99
69) o-Xylene	12.17	106	811051	54.826	ug/l	99
70) Styrene	12.19	104	1382569	55.107	ug/l	100
71) Bromoform	12.35	173	242849	51.643	ug/l	99
73) Isopropylbenzene	12.47	105	2223262	53.904	ug/l	100
74) N-amyl acetate	12.28	43	562965	62.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	448050	60.610	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	573747	107.374	ug/l #	100
77) Bromobenzene	12.76	156	518350	52.234	ug/l	99
78) n-propylbenzene	12.81	91	2722144	54.290	ug/l	100
79) 2-Chlorotoluene	12.90	91	1550968	53.984	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1905371	53.654	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	139756	59.317	ug/l	97
82) 4-Chlorotoluene	12.99	91	1637482	53.566	ug/l	99
83) tert-Butylbenzene	13.21	119	1594855	54.004	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1961612	54.037	ug/l	99
85) sec-Butylbenzene	13.39	105	2367650	54.818	ug/l	100
86) p-Isopropyltoluene	13.51	119	2083023	53.862	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1043175	52.227	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	1032306	51.825	ug/l	99
89) n-Butylbenzene	13.84	91	2041412	56.000	ug/l	100
90) Hexachloroethane	14.10	117	370880	53.639	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	955217	53.336	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	73802	57.664	ug/l	100

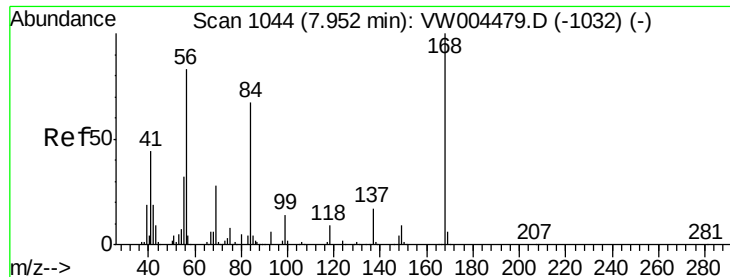
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	689279	54.882	ug/l	100
94) Hexachlorobutadiene	15.25	225	386198	50.586	ug/l	99
95) Naphthalene	15.38	128	1401162	63.675	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	621053	56.115	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

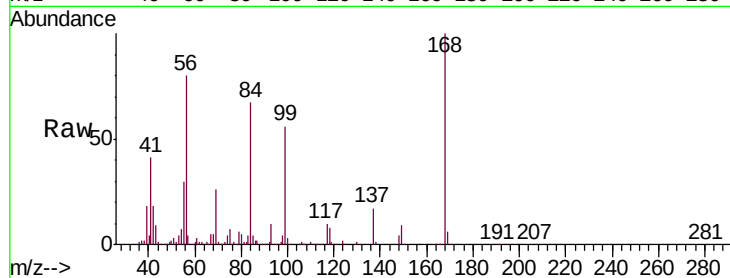
ICVW080618

Tgt Ion:168 Resp: 766501

Ion Ratio Lower Upper

168 100

99 56.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

300000

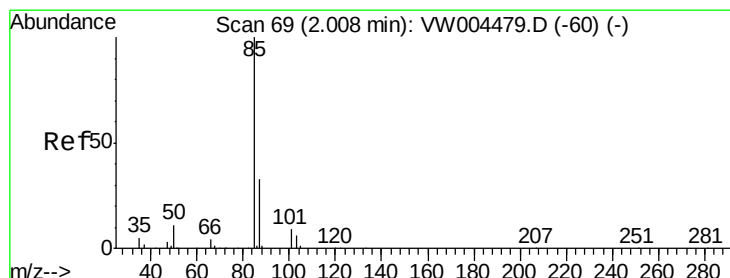
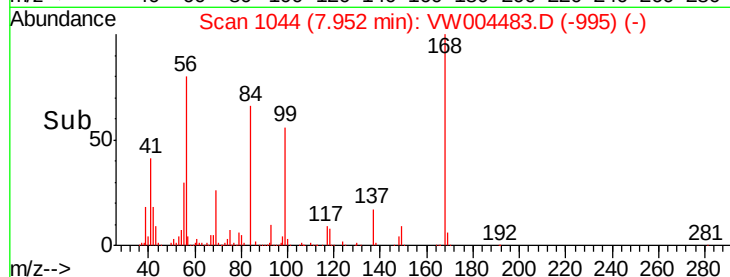
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 81.135 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004483.D

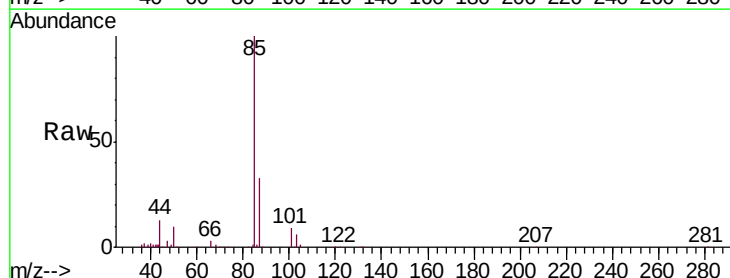
Acq: 06 Aug 2018 21:45

Tgt Ion: 85 Resp: 252037

Ion Ratio Lower Upper

85 100

87 32.7 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

80000

60000

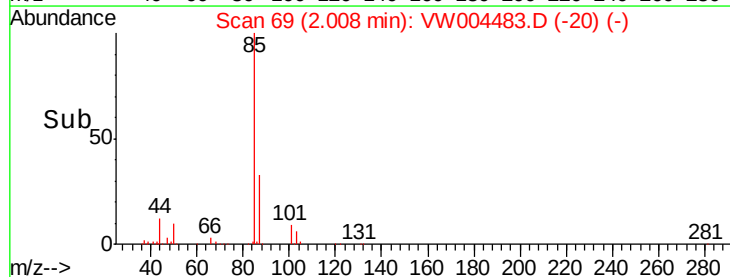
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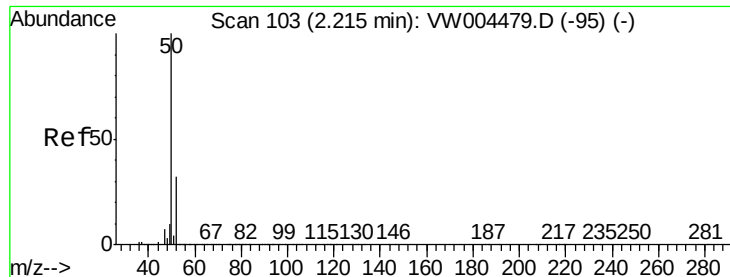
20000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 75.919 ug/l

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

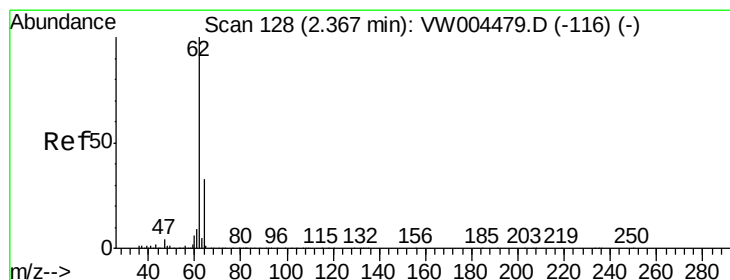
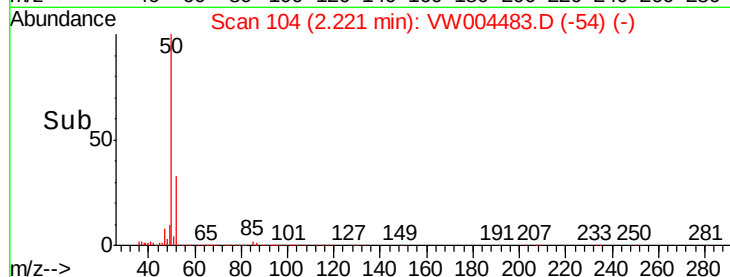
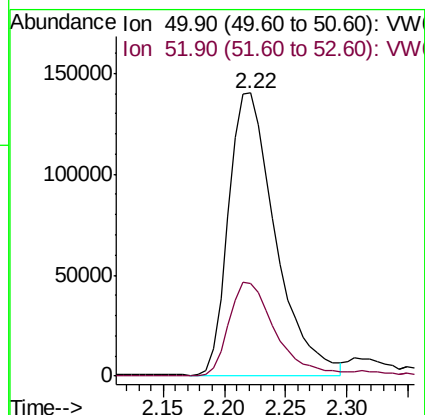
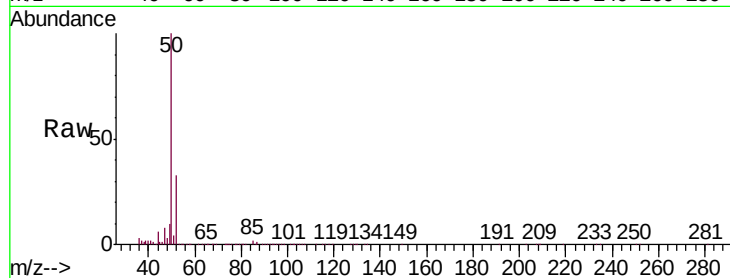
ICVW080618

Tgt Ion: 50 Resp: 372085

Ion Ratio Lower Upper

50 100

52 33.0 25.8 38.8



#4

Vinyl Chloride

Concen: 63.460 ug/l

RT: 2.37 min Scan# 129

Delta R.T. 0.01 min

Lab File: VW004483.D

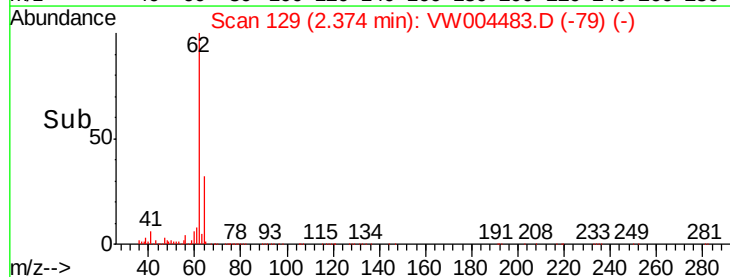
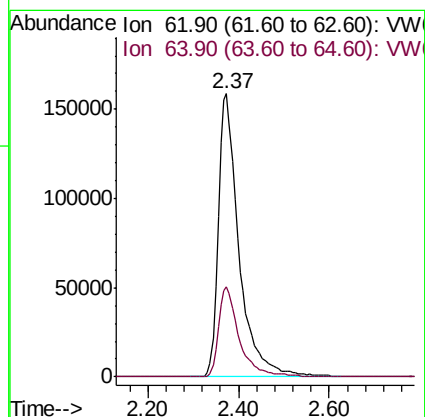
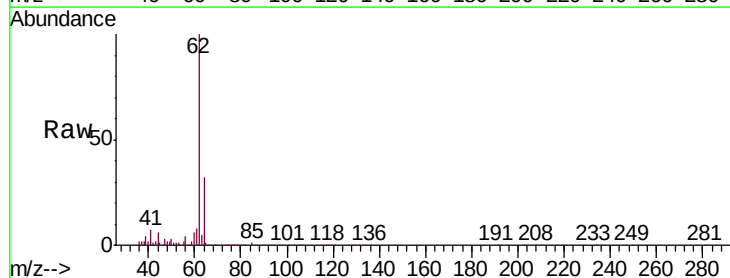
Acq: 06 Aug 2018 21:45

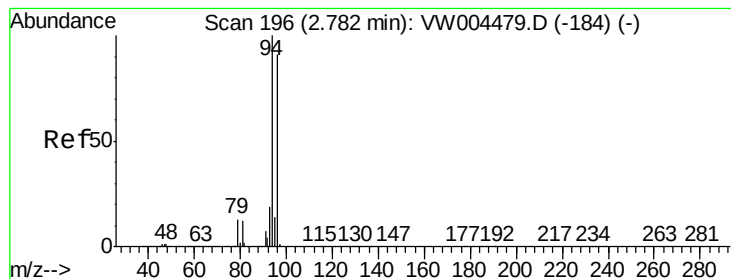
Tgt Ion: 62 Resp: 503462

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2





#5

Bromomethane

Concen: 58.394 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

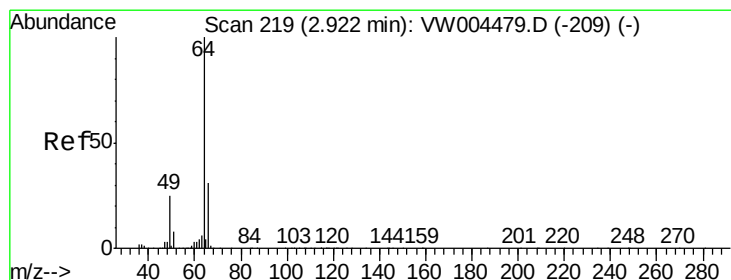
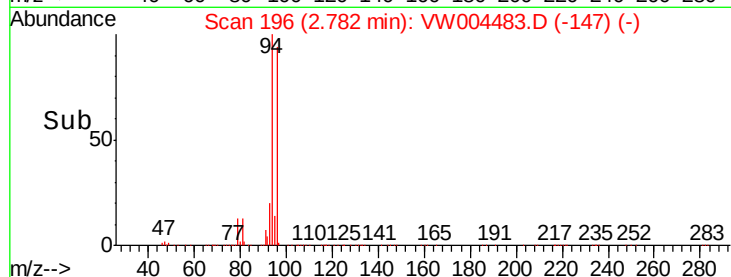
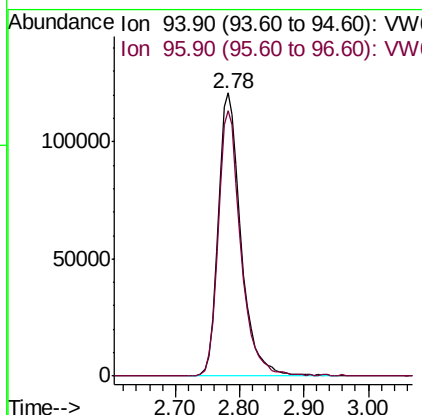
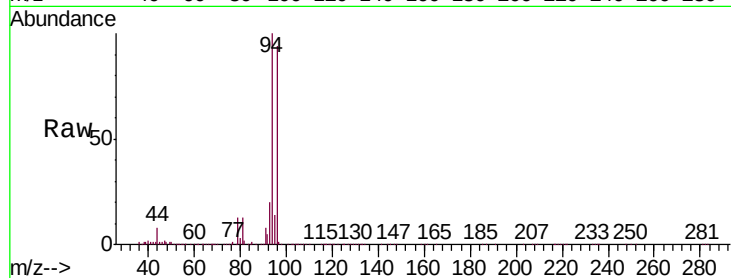
ICVW080618

Tgt Ion: 94 Resp: 298001

Ion Ratio Lower Upper

94 100

96 93.4 72.9 109.3



#6

Chloroethane

Concen: 61.736 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004483.D

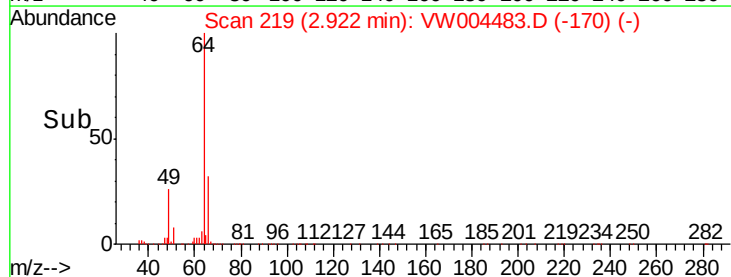
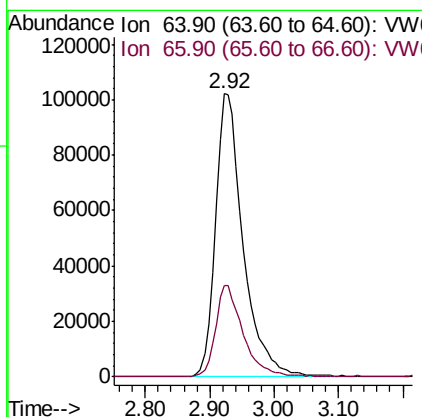
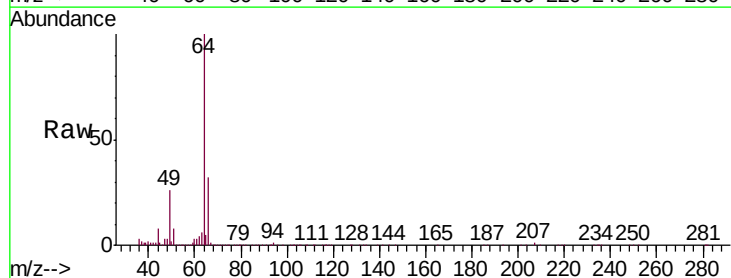
Acq: 06 Aug 2018 21:45

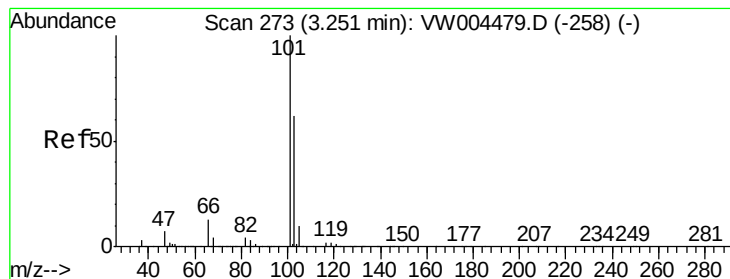
Tgt Ion: 64 Resp: 306026

Ion Ratio Lower Upper

64 100

66 32.4 24.6 36.8



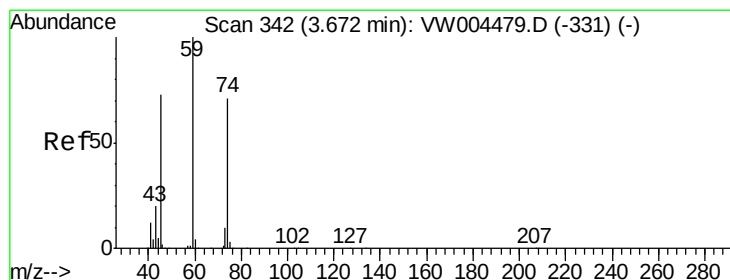
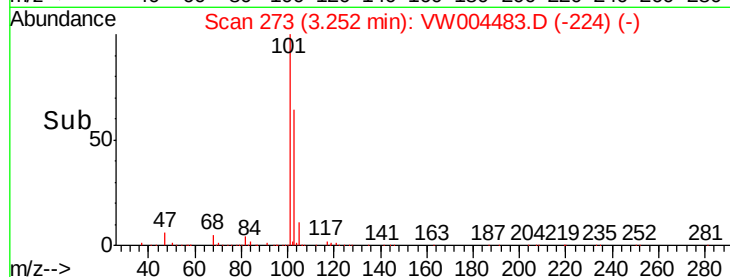
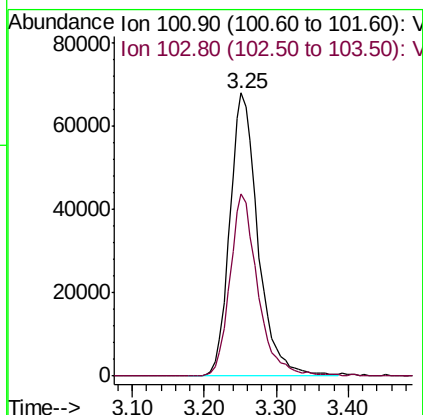
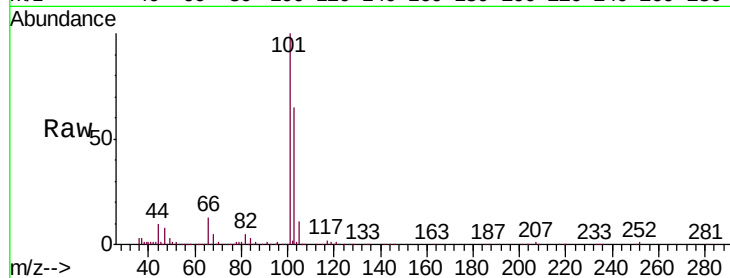


#7

Trichlorofluoromethane
 Concen: 42.280 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
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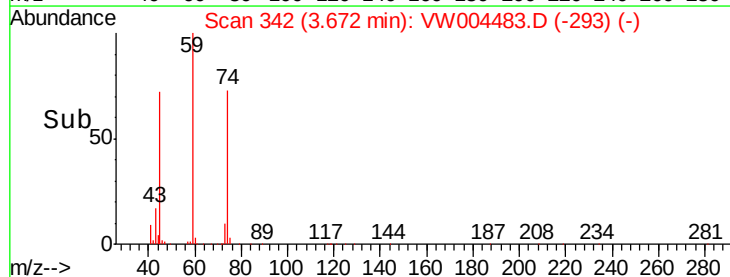
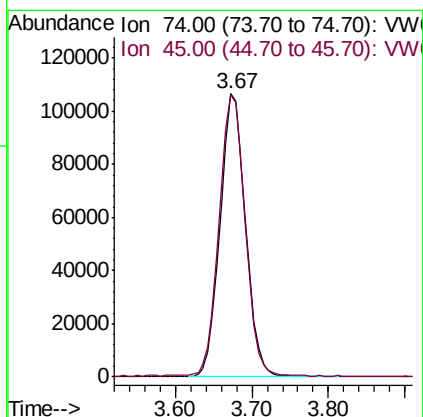
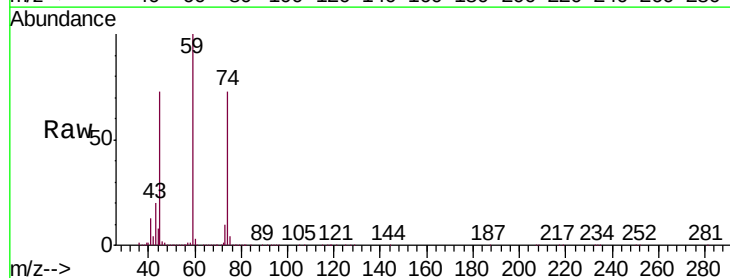
Tgt Ion: 101 Resp: 185057
 Ion Ratio Lower Upper
 101 100
 103 64.3 49.8 74.8

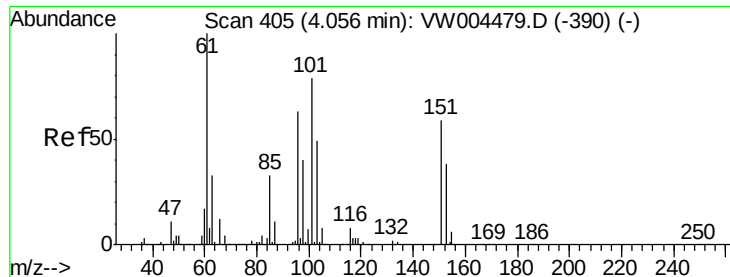


#8

Diethyl Ether
 Concen: 59.109 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Tgt Ion: 74 Resp: 243775
 Ion Ratio Lower Upper
 74 100
 45 101.4 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.678 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

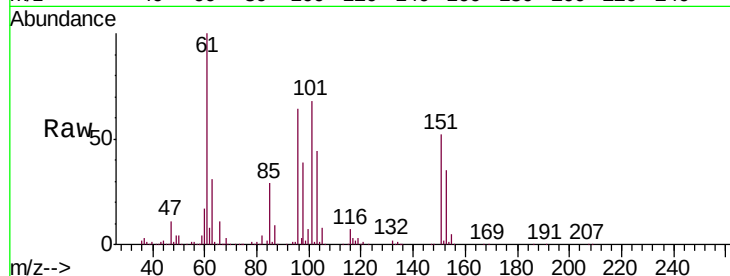
Tgt Ion:101 Resp: 410492

Ion Ratio Lower Upper

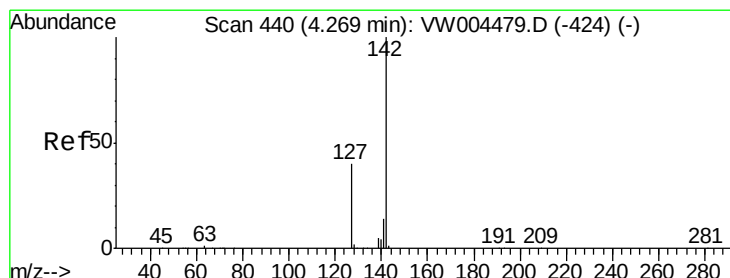
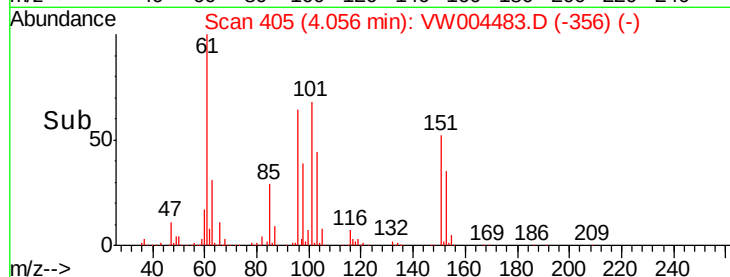
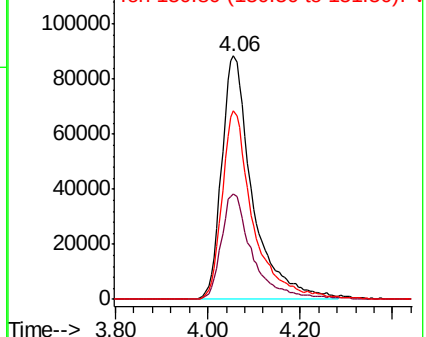
101 100

85 43.1 34.6 51.8

151 77.6 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V
120000 Ion 84.90 (84.60 to 85.60): VW
100000 Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.062 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.00 min

Lab File: VW004483.D

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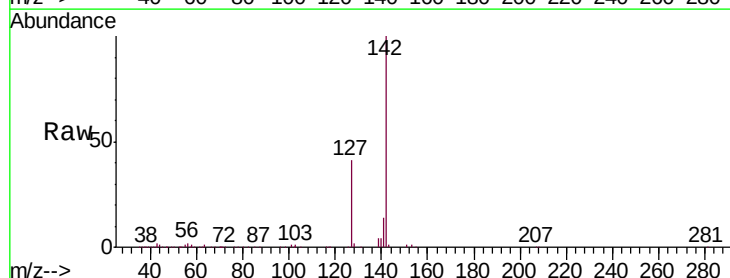
Tgt Ion:142 Resp: 638951

Ion Ratio Lower Upper

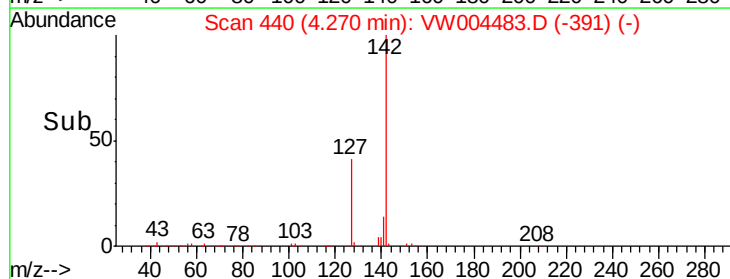
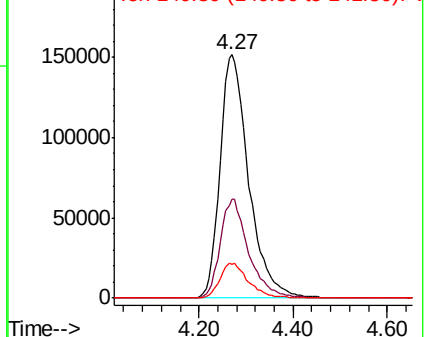
142 100

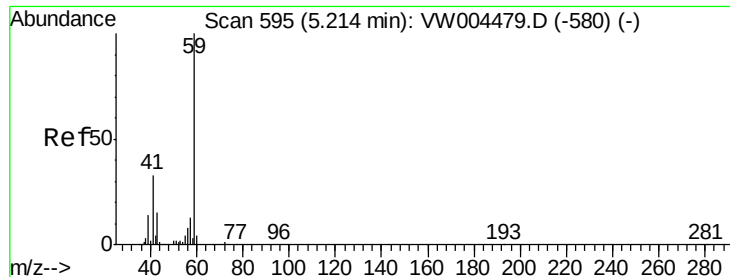
127 40.3 32.7 49.1

141 14.3 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V
200000 Ion 126.80 (126.50 to 127.50): V
100000 Ion 140.80 (140.50 to 141.50): V

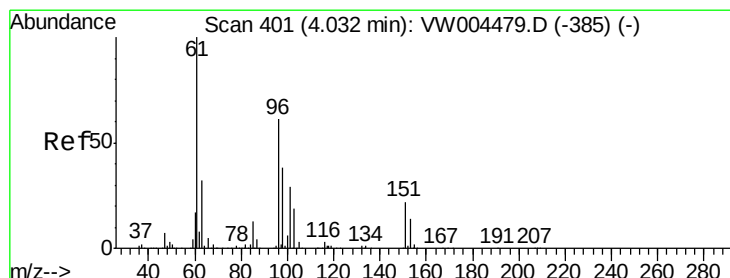
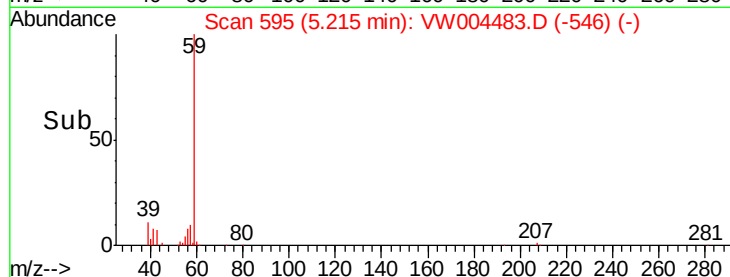
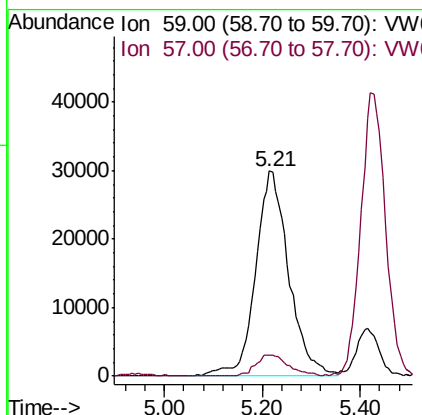
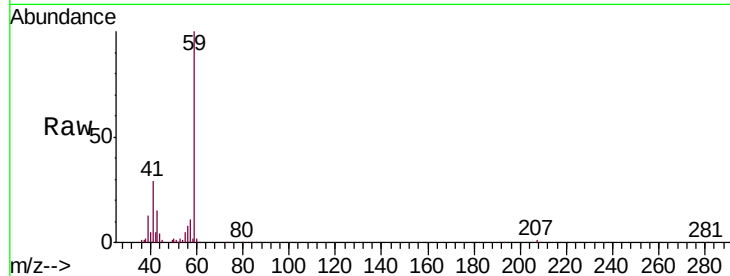




#11
Tert butyl alcohol
Concen: 251.914 ug/l
RT: 5.21 min Scan# 595
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

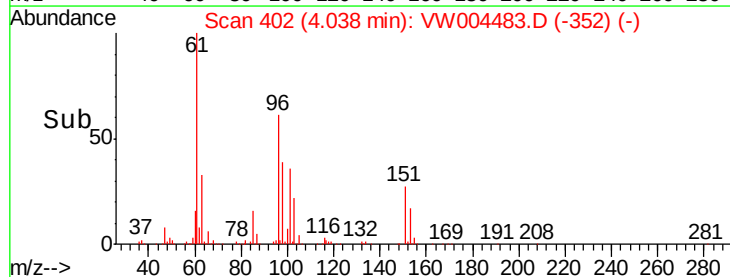
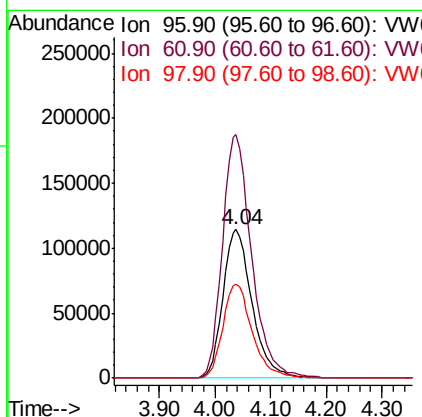
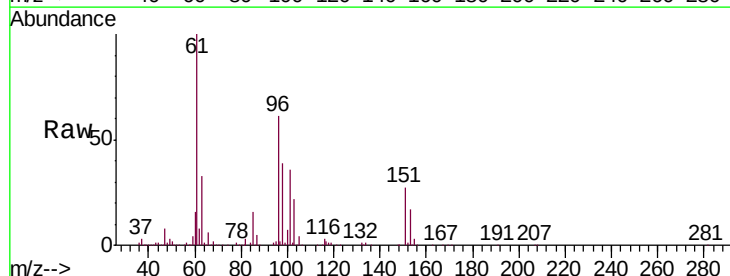
Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

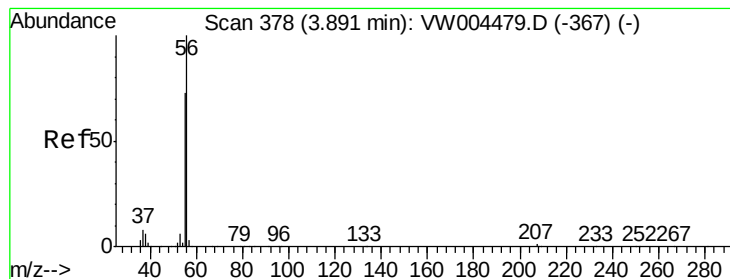
Tgt Ion: 59 Resp: 141567
Ion Ratio Lower Upper
59 100
57 10.4 9.1 13.7



#12
1,1-Dichloroethene
Concen: 53.524 ug/l
RT: 4.04 min Scan# 402
Delta R.T. 0.01 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion: 96 Resp: 414752
Ion Ratio Lower Upper
96 100
61 164.1 130.6 195.8
98 63.6 49.6 74.4





#13

Acrolein

Concen: 285.462 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

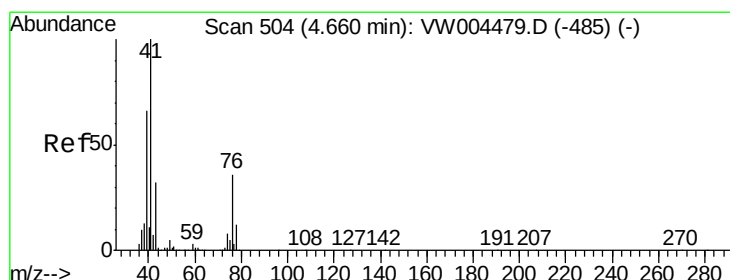
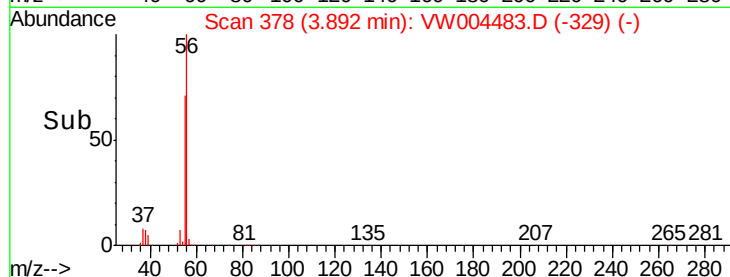
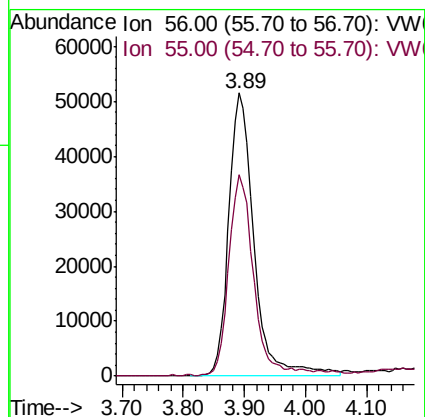
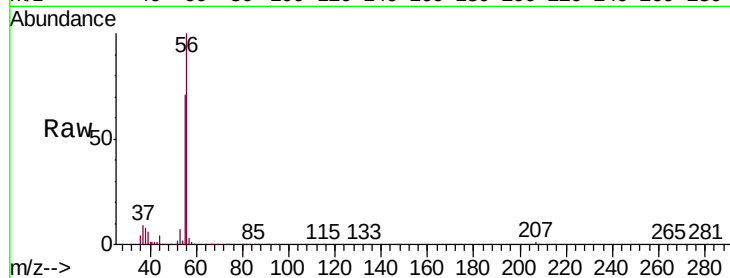
ICVW080618

Tgt Ion: 56 Resp: 147853

Ion Ratio Lower Upper

56 100

55 67.9 56.7 85.1



#14

Allyl chloride

Concen: 53.473 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

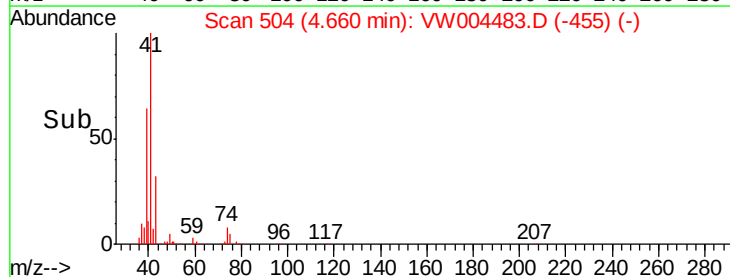
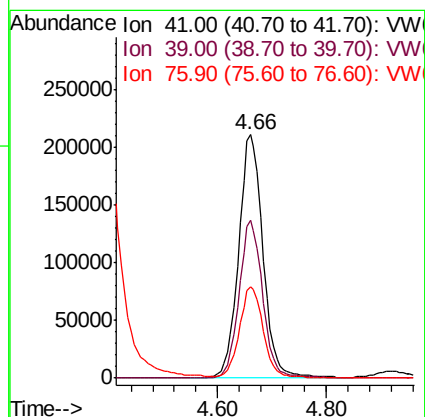
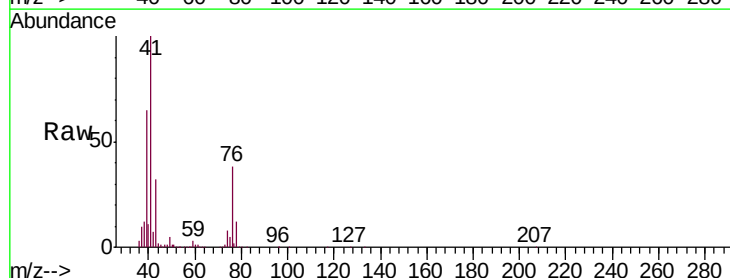
Tgt Ion: 41 Resp: 656398

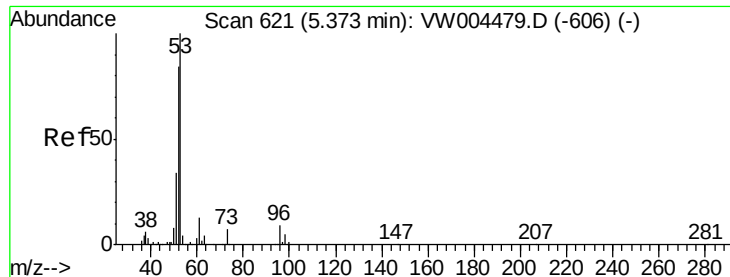
Ion Ratio Lower Upper

41 100

39 62.9 51.9 77.9

76 36.9 29.0 43.6





#15

Acrylonitrile

Concen: 309.979 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

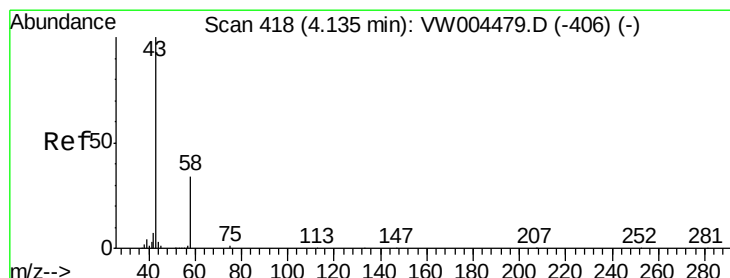
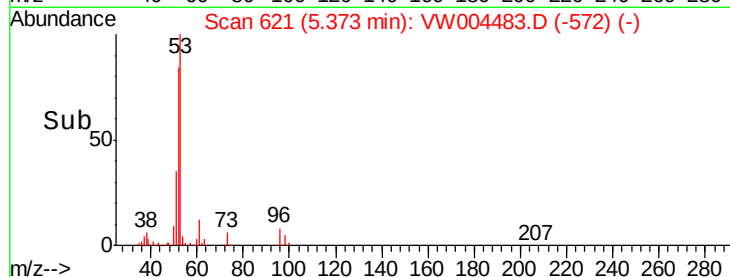
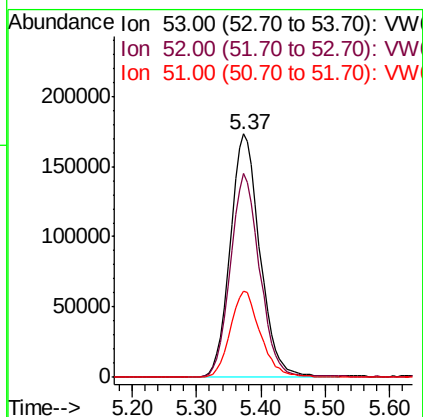
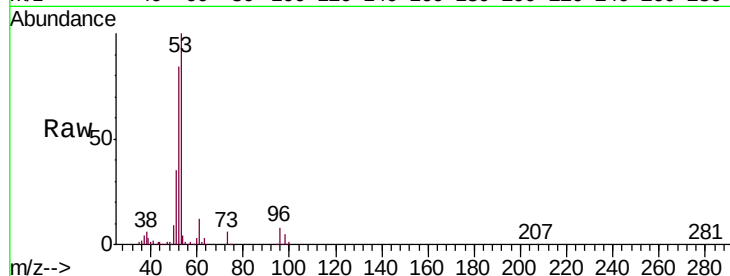
Tgt Ion: 53 Resp: 557217

Ion Ratio Lower Upper

53 100

52 82.4 66.5 99.7

51 35.7 28.4 42.6



#16

Acetone

Concen: 306.127 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW004483.D

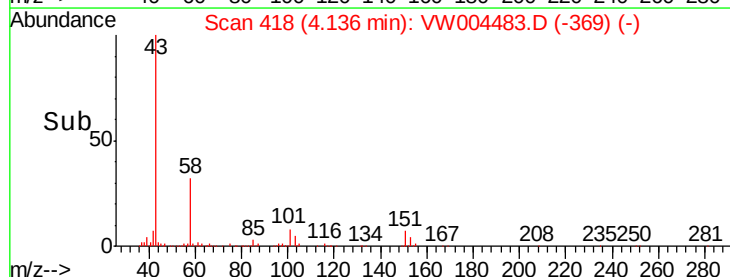
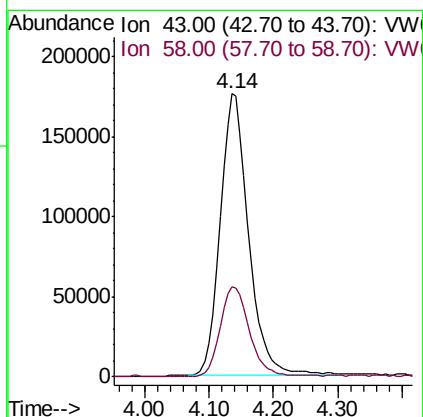
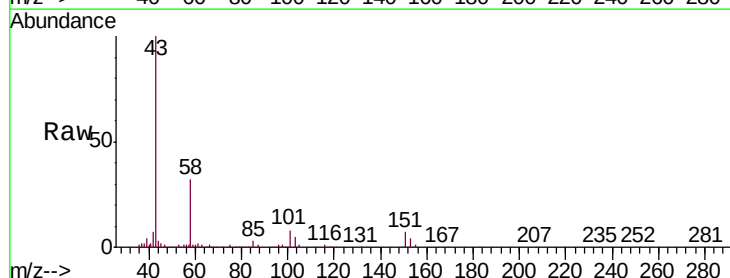
Acq: 06 Aug 2018 21:45

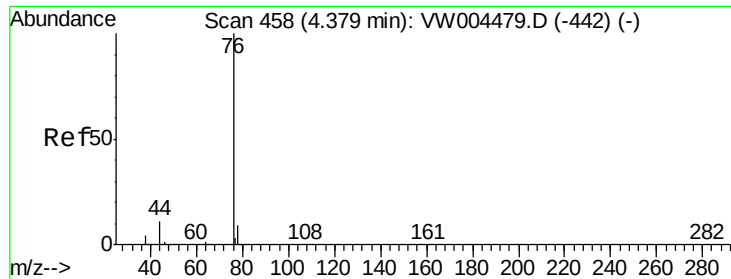
Tgt Ion: 43 Resp: 546331

Ion Ratio Lower Upper

43 100

58 31.7 26.8 40.2

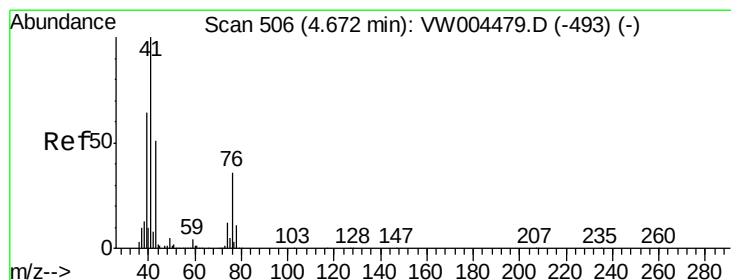
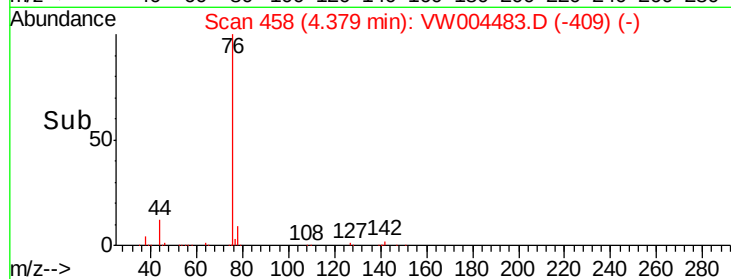
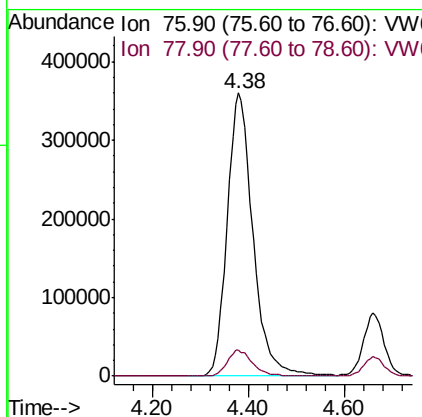
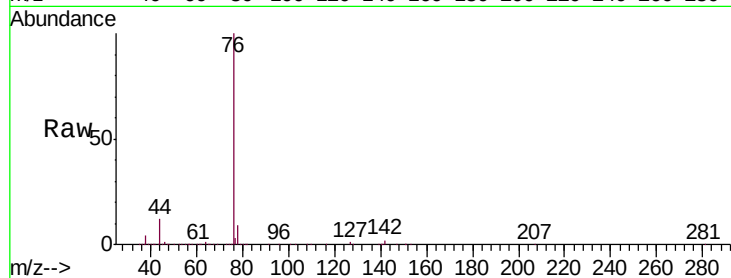




#17
Carbon Disulfide
Concen: 55.985 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

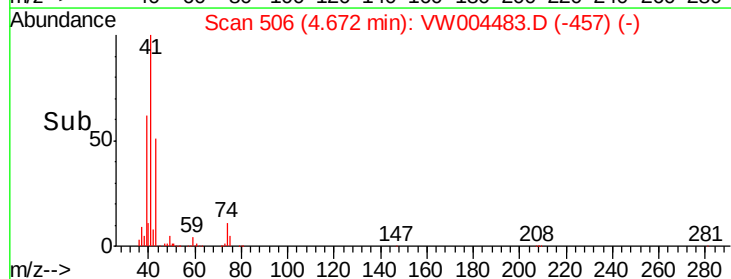
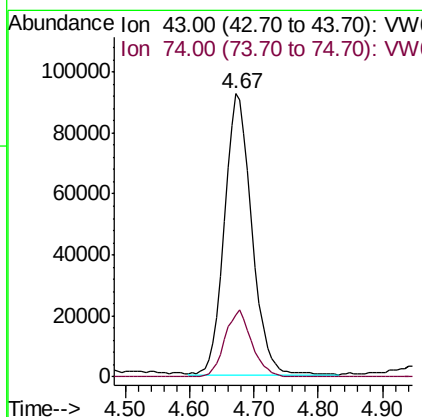
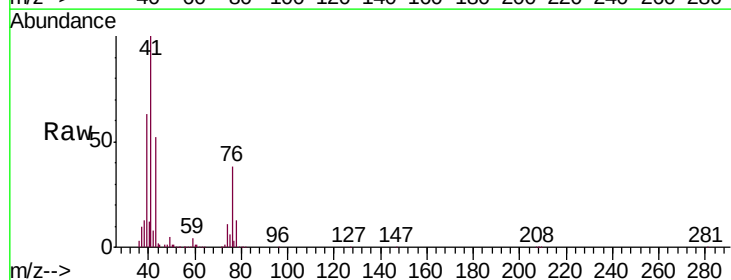
Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

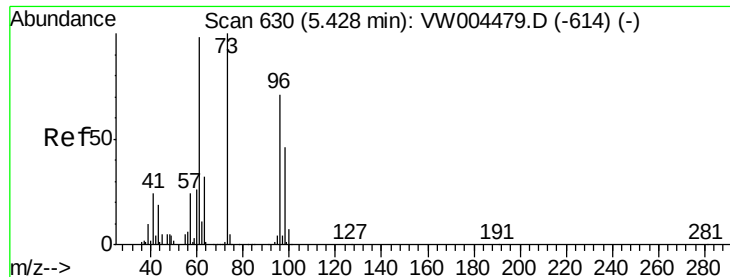
Tgt Ion: 76 Resp: 1342223
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 58.648 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion: 43 Resp: 273633
Ion Ratio Lower Upper
43 100
74 23.5 19.1 28.7



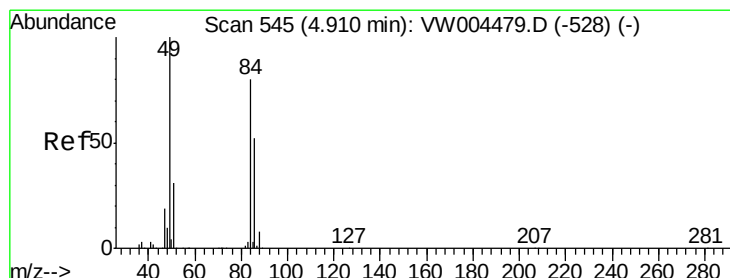
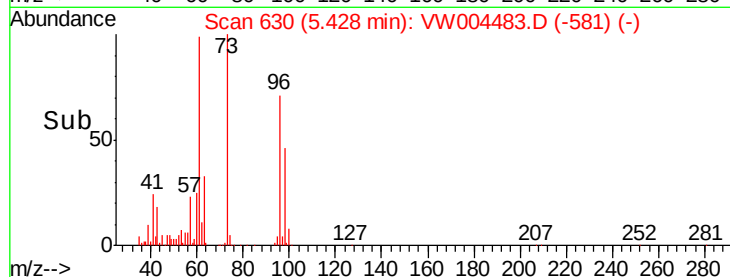
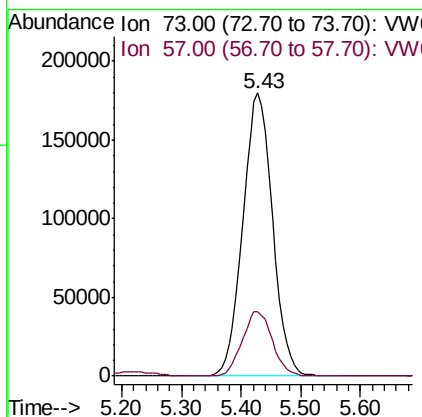
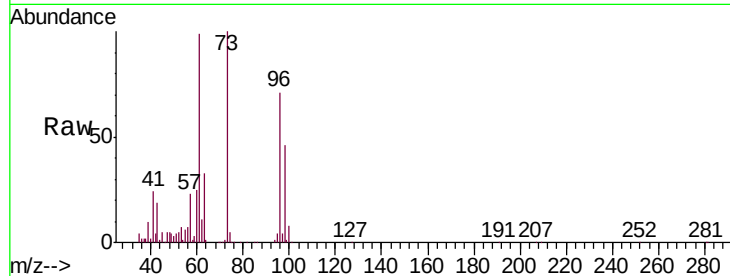


#19

Methyl tert-butyl Ether
 Concen: 46.794 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW080618

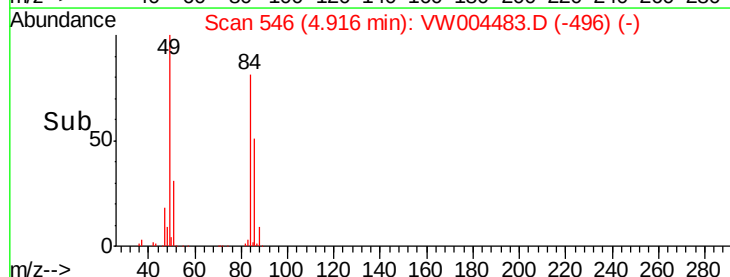
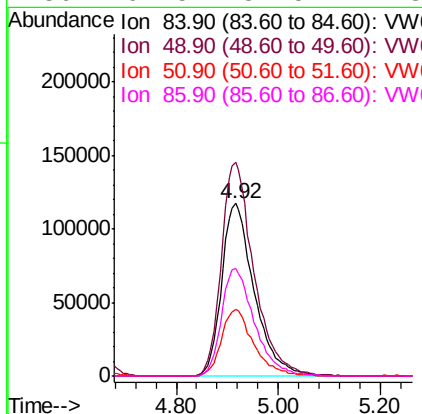
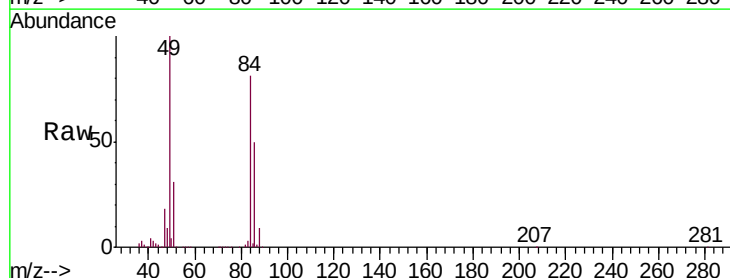
Tgt Ion: 73 Resp: 623441
 Ion Ratio Lower Upper
 73 100
 57 22.8 19.6 29.4

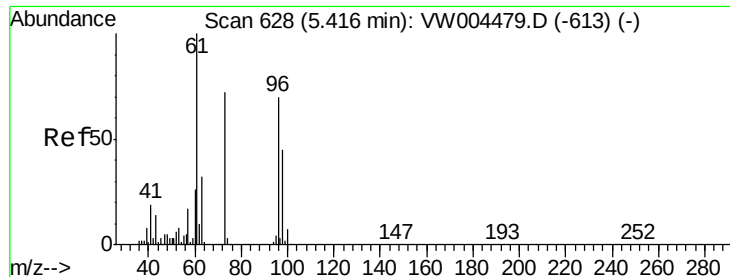


#20

Methylene Chloride
 Concen: 59.982 ug/l
 RT: 4.92 min Scan# 546
 Delta R.T. 0.01 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Tgt Ion: 84 Resp: 517256
 Ion Ratio Lower Upper
 84 100
 49 123.9 99.6 149.4
 51 38.4 31.0 46.4
 86 62.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 55.089 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

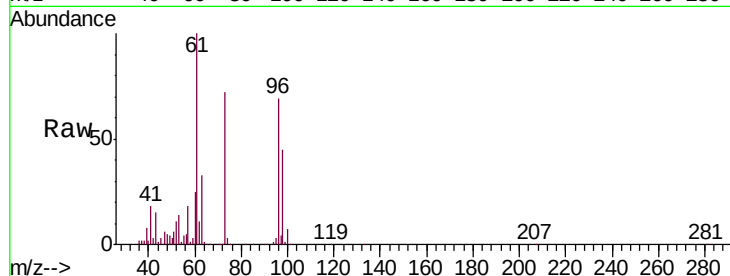
Tgt Ion: 96 Resp: 458502

Ion Ratio Lower Upper

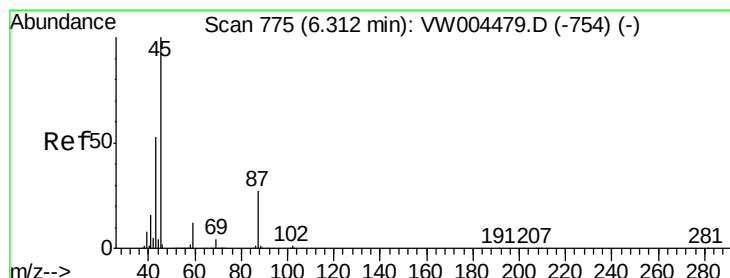
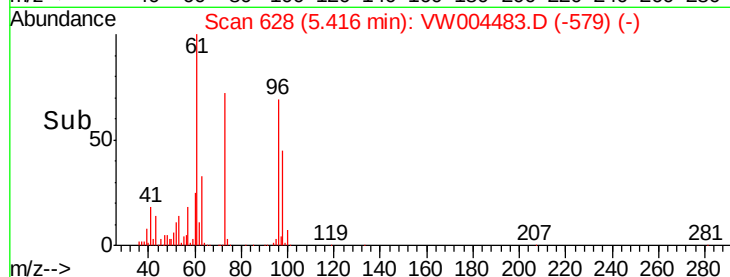
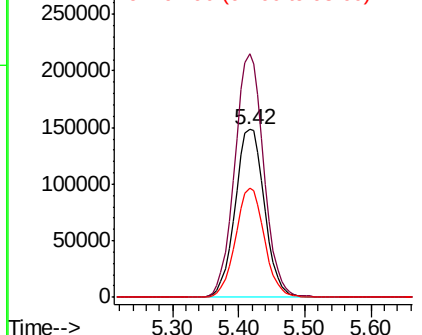
96 100

61 145.0 114.1 171.1

98 64.7 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: 58.844 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Tgt Ion: 45 Resp: 1385541

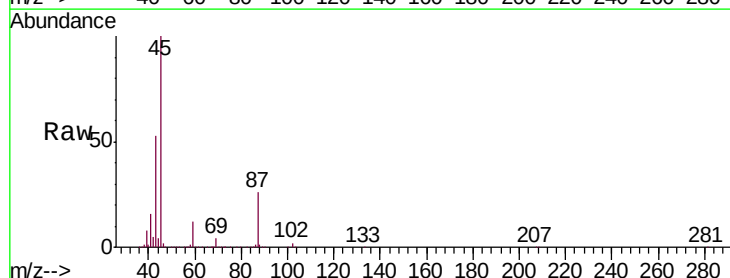
Ion Ratio Lower Upper

45 100

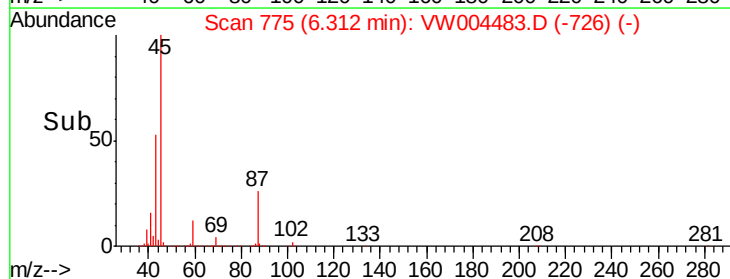
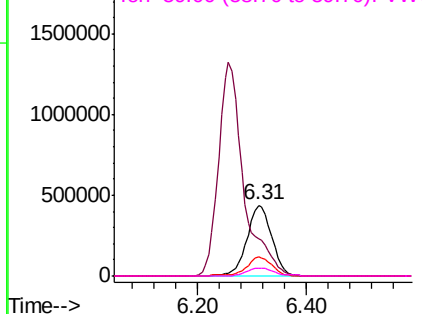
43 52.7 42.4 63.6

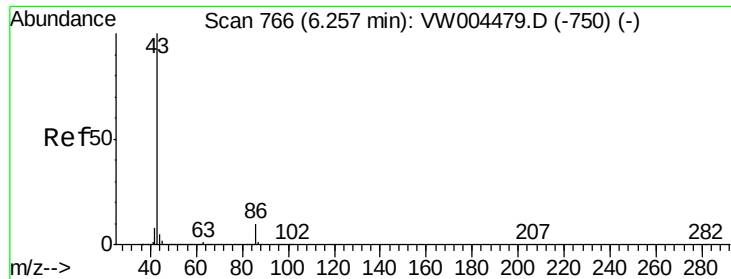
87 26.3 21.6 32.4

59 11.5 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: 307.897 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

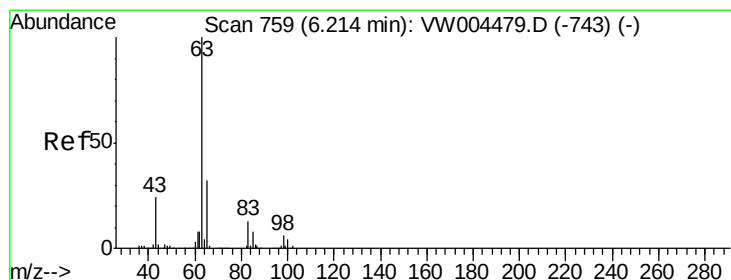
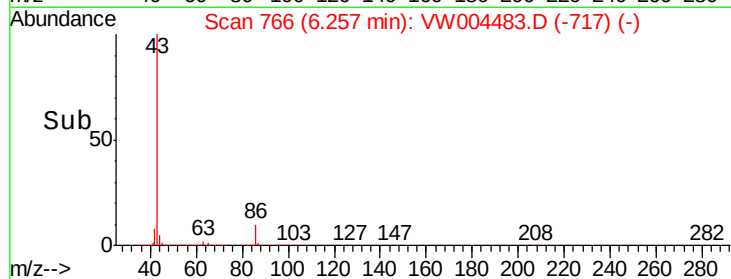
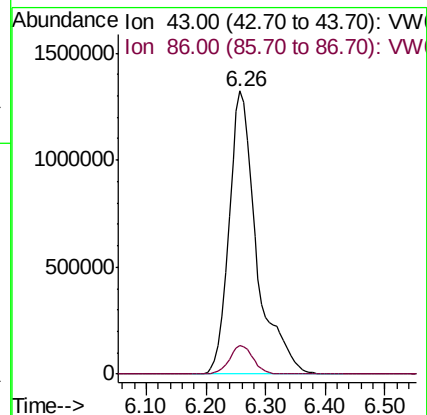
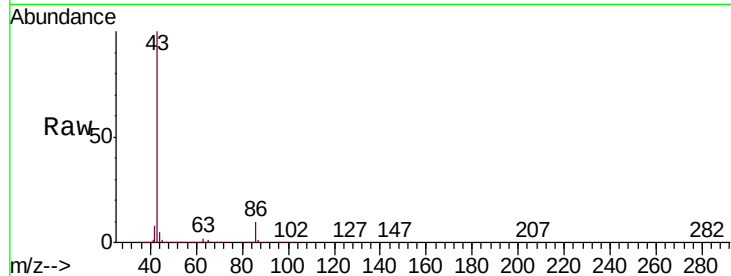
ICVW080618

Tgt Ion: 43 Resp: 4243025

Ion Ratio Lower Upper

43 100

86 10.2 7.9 11.9



#24

1,1-Dichloroethane

Concen: 55.242 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

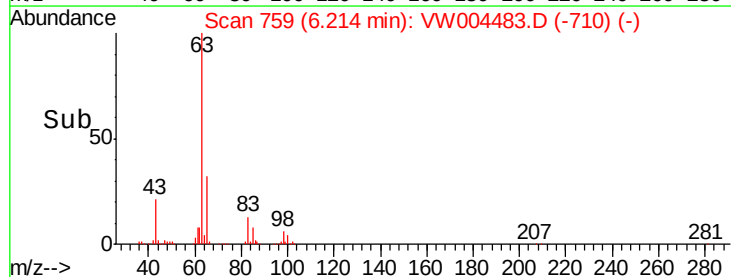
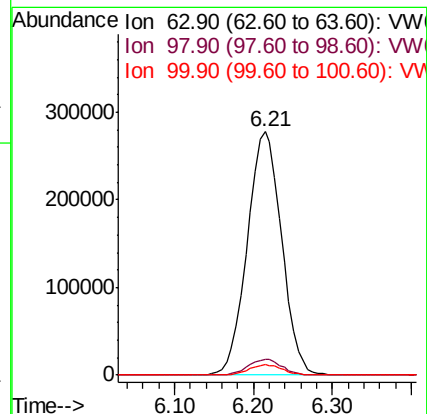
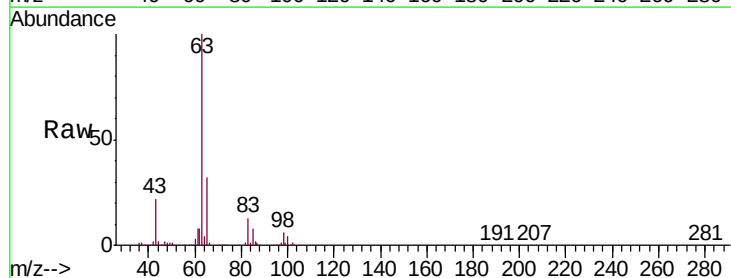
Tgt Ion: 63 Resp: 840531

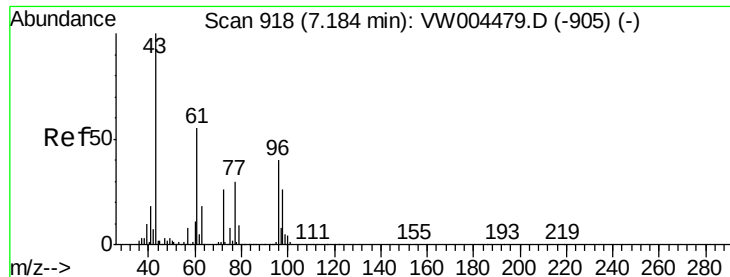
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 388.993 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

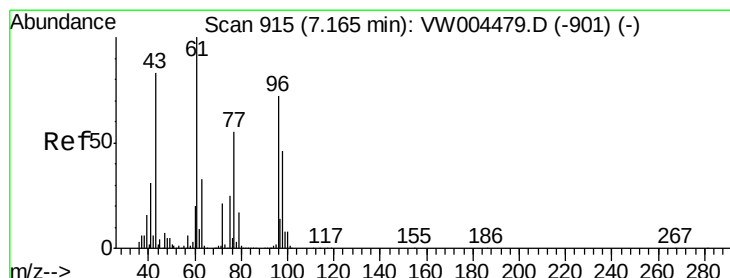
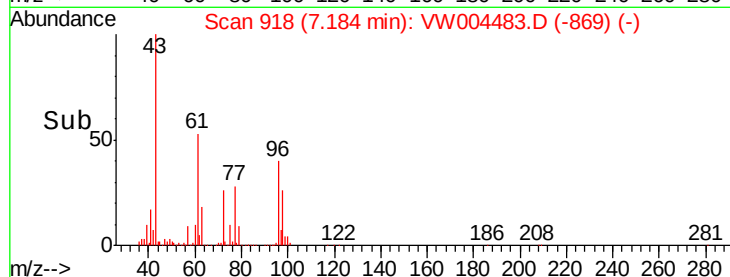
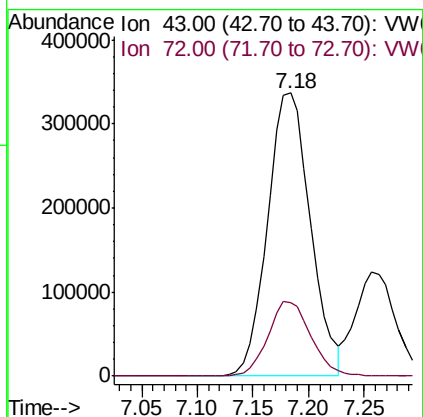
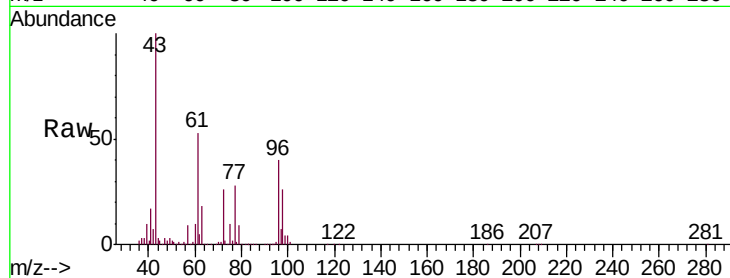
ICVW080618

Tgt Ion: 43 Resp: 902390

Ion Ratio Lower Upper

43 100

72 26.1 21.0 31.6



#26

2,2-Dichloropropane

Concen: 46.859 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004483.D

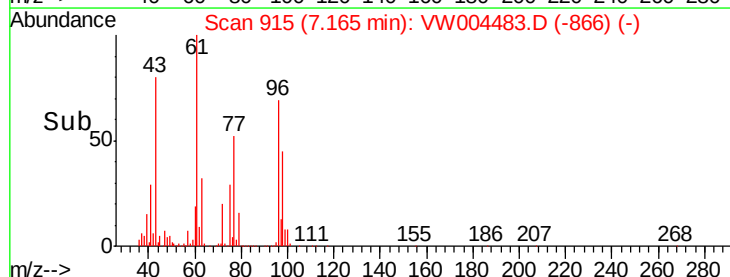
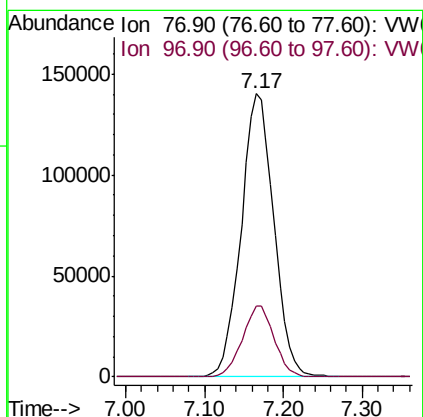
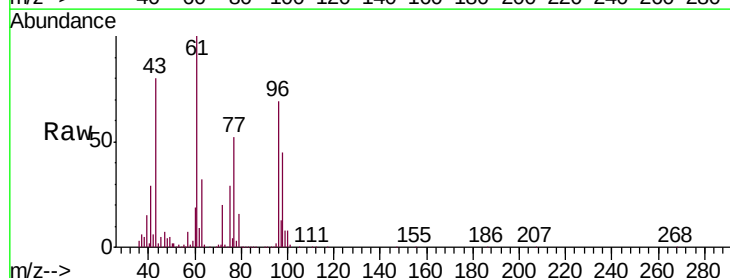
Acq: 06 Aug 2018 21:45

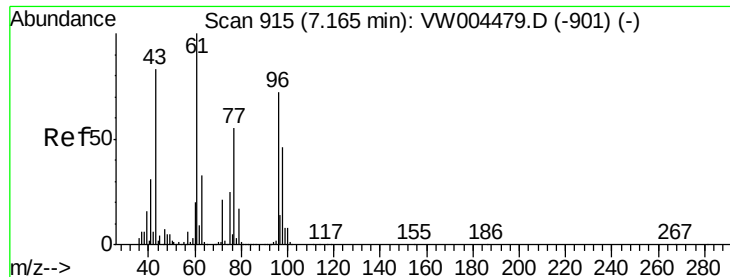
Tgt Ion: 77 Resp: 402745

Ion Ratio Lower Upper

77 100

97 24.4 12.5 37.5



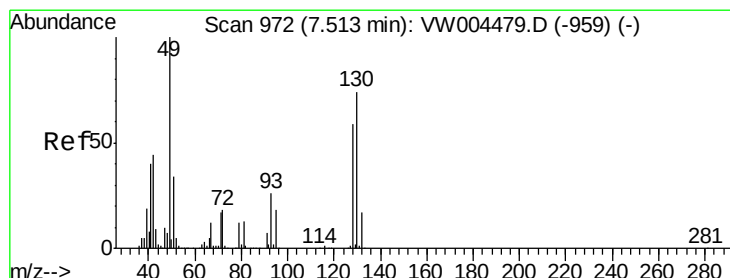
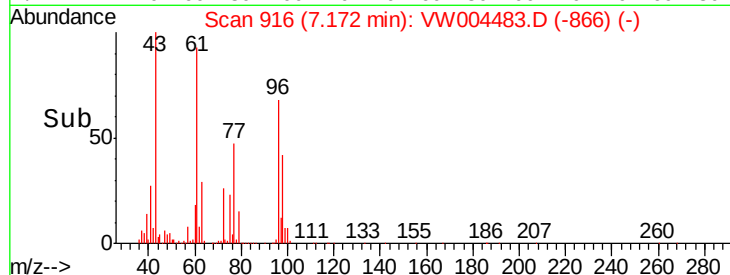
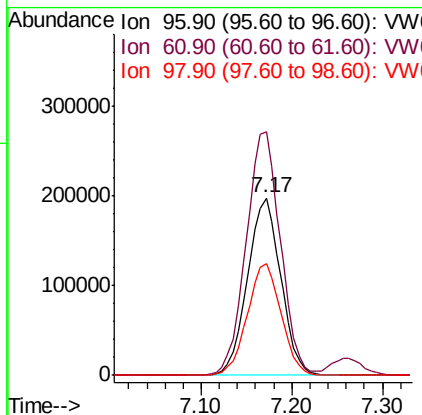
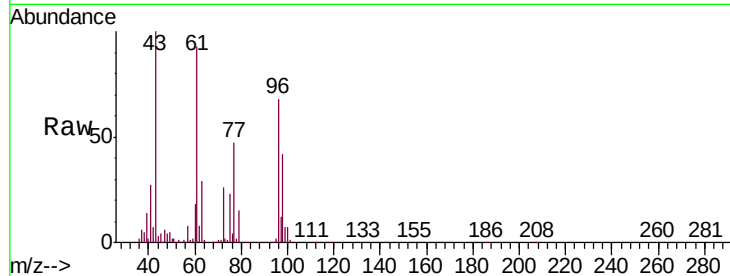


#27

cis-1,2-Dichloroethene
 Concen: 58.841 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW080618

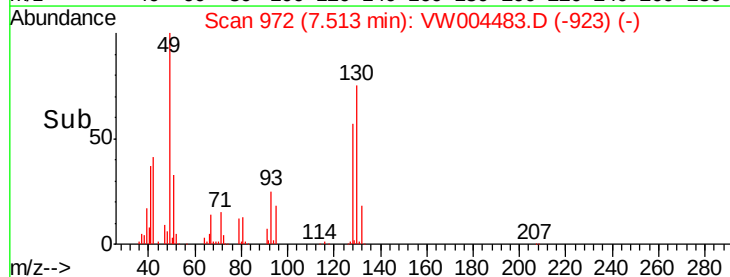
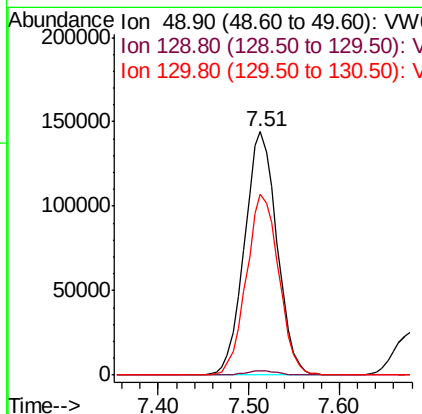
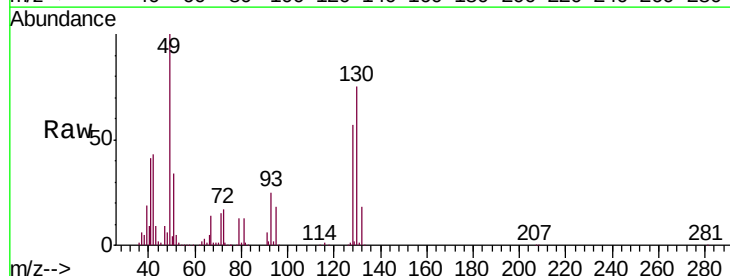
Tgt Ion	Resp	Lower	Upper
96	501267		
96	100		
61	141.7	0.0	285.0
98	63.8	0.0	128.6

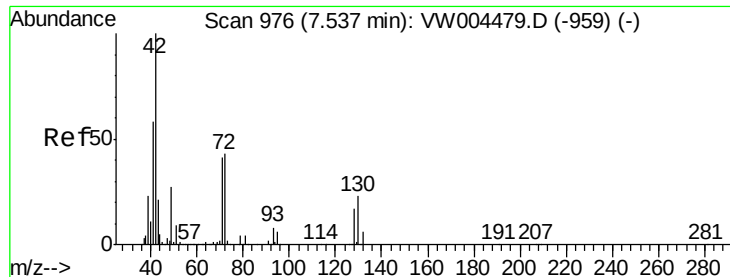


#28

Bromochloromethane
 Concen: 64.411 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Tgt Ion	Resp	Lower	Upper
49	356528		
49	100		
129	1.9	0.0	4.0
130	74.4	58.8	88.2





#29

Tetrahydrofuran

Concen: 340.669 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

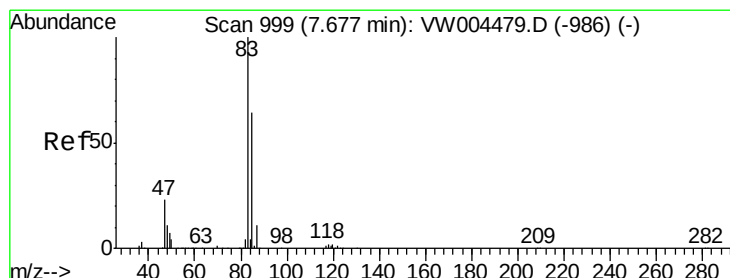
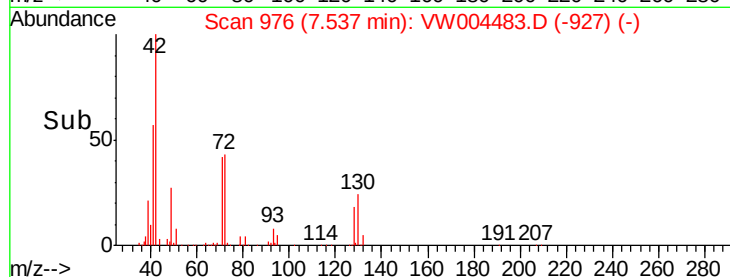
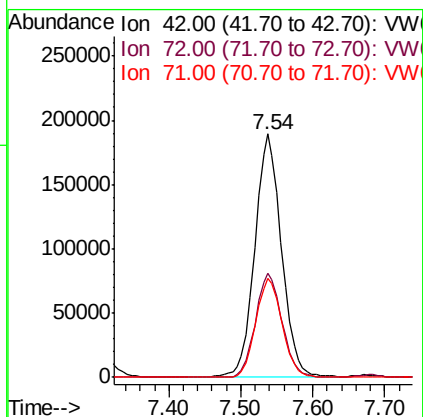
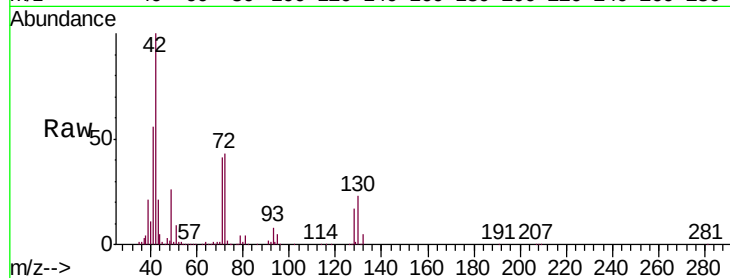
Tgt Ion: 42 Resp: 485934

Ion Ratio Lower Upper

42 100

72 42.5 34.1 51.1

71 40.5 32.5 48.7



#30

Chloroform

Concen: 55.970 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004483.D

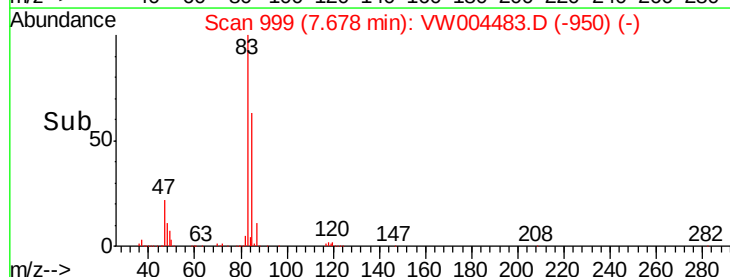
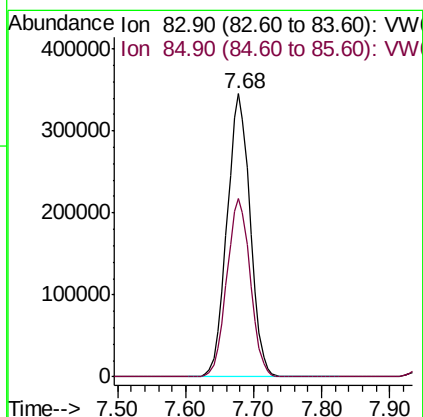
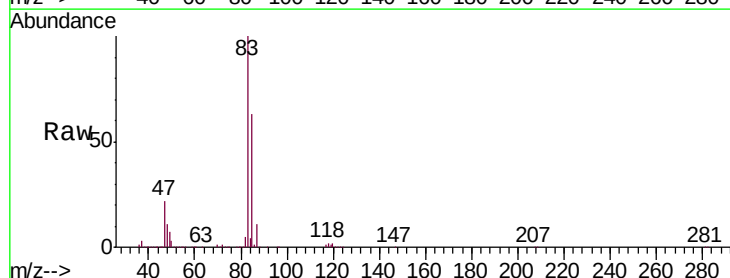
Acq: 06 Aug 2018 21:45

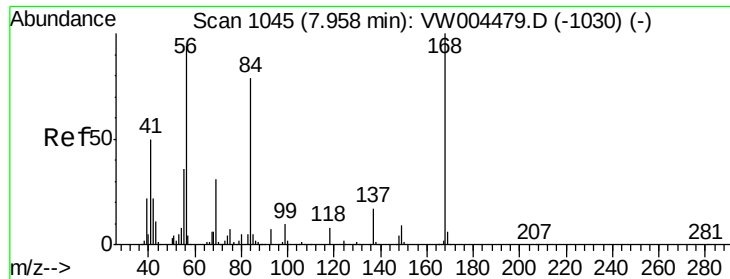
Tgt Ion: 83 Resp: 811622

Ion Ratio Lower Upper

83 100

85 63.1 51.3 76.9

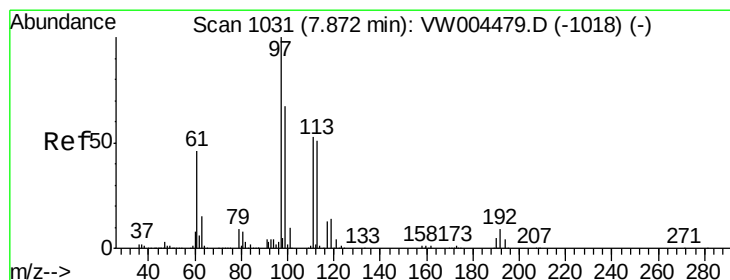
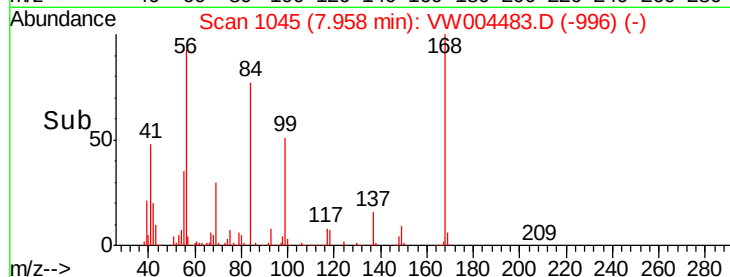
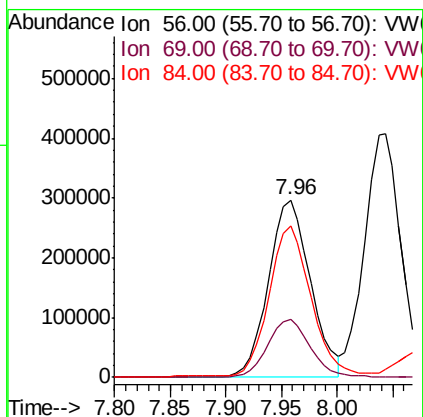
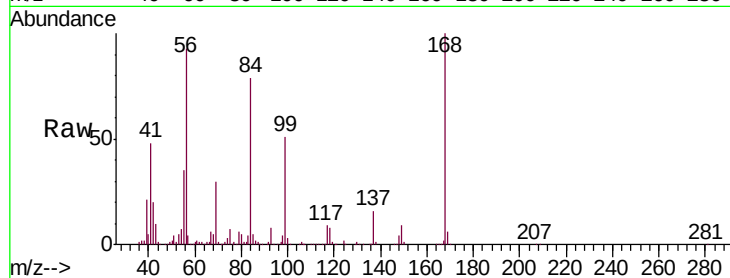




#31
Cyclohexane
Concen: 57.681 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

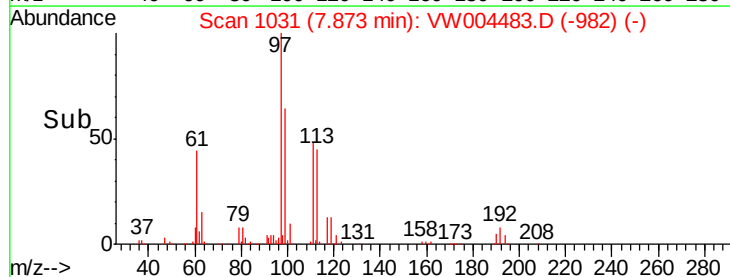
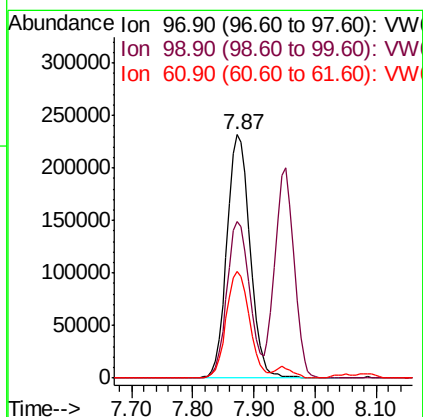
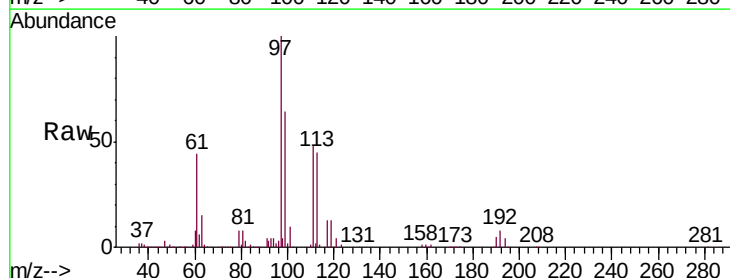
Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

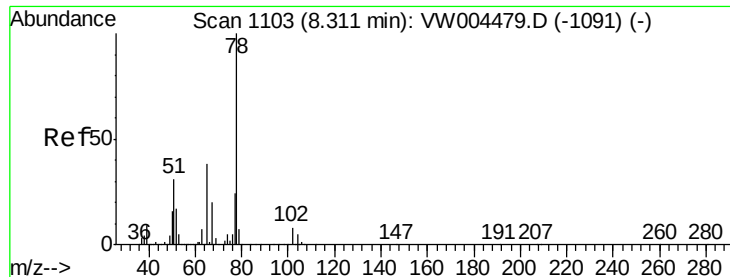
Tgt Ion: 56 Resp: 778913
Ion Ratio Lower Upper
56 100
69 32.5 26.4 39.6
84 83.9 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 51.621 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion: 97 Resp: 605901
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 44.1 35.7 53.5

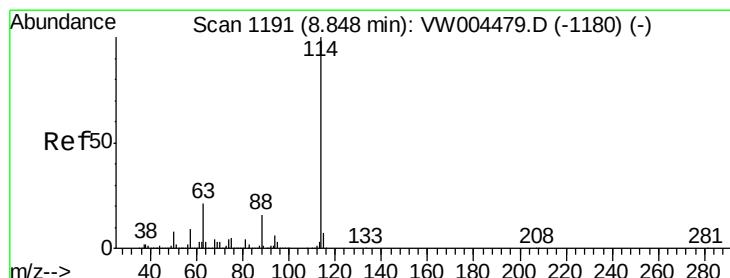
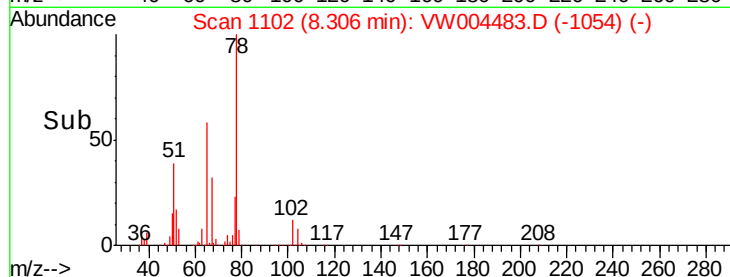
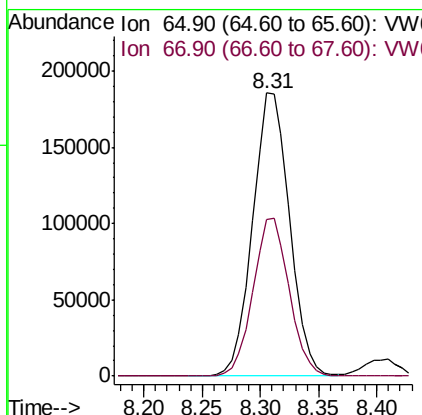
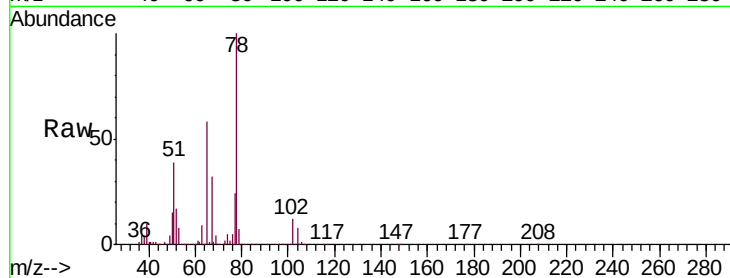




#33
 1,2-Dichloroethane-d4
 Concen: 52.387 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

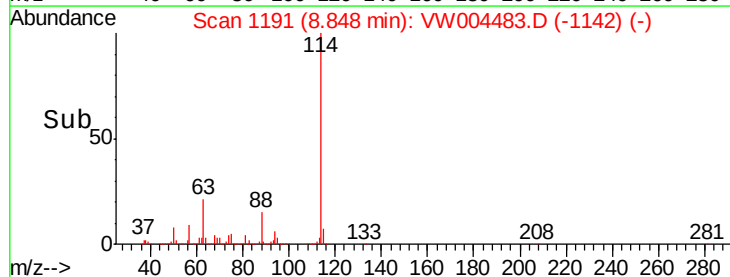
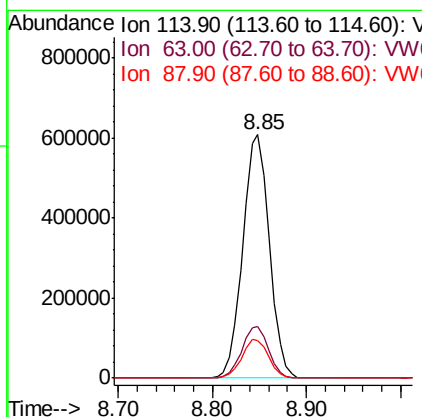
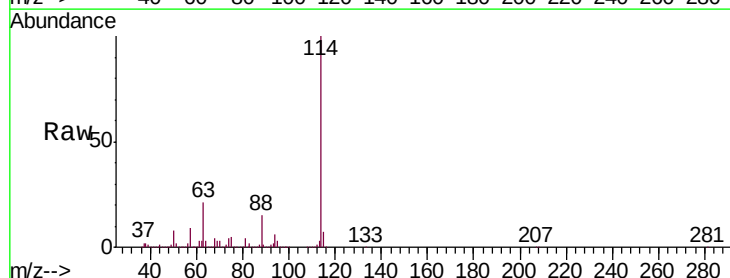
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW080618

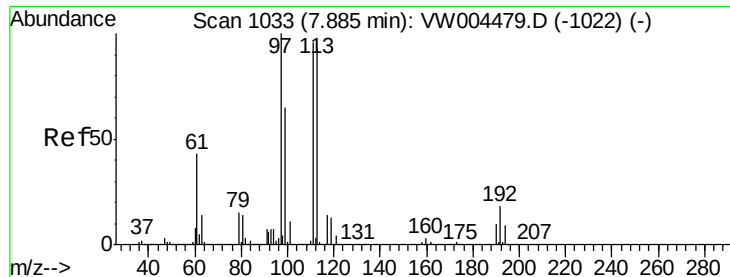
Tgt Ion: 65 Resp: 409605
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Tgt Ion: 114 Resp: 1199602
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.4
 88 15.5 0.0 31.2

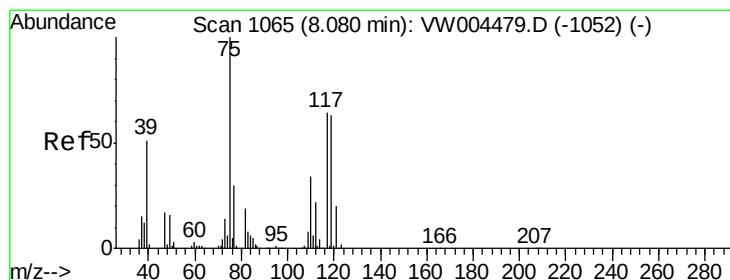
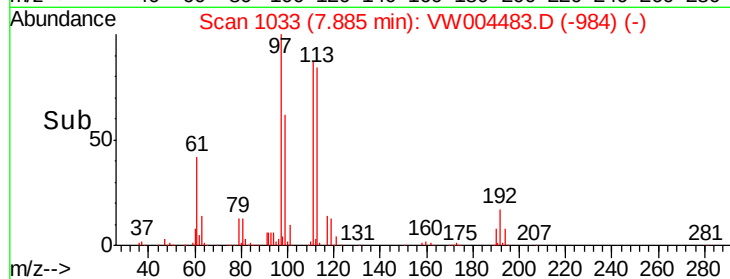
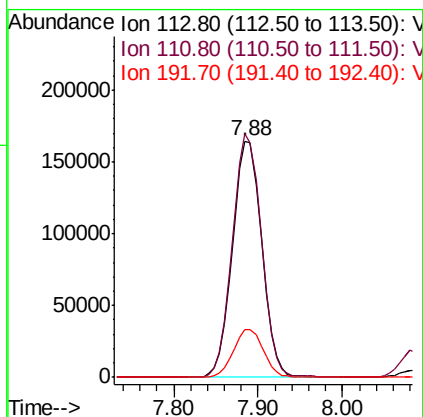
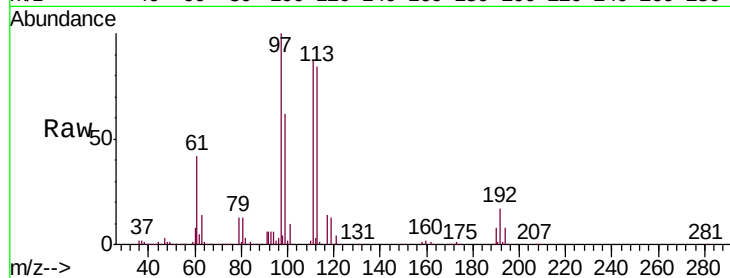




#35
 Dibromofluoromethane
 Concen: 50.616 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

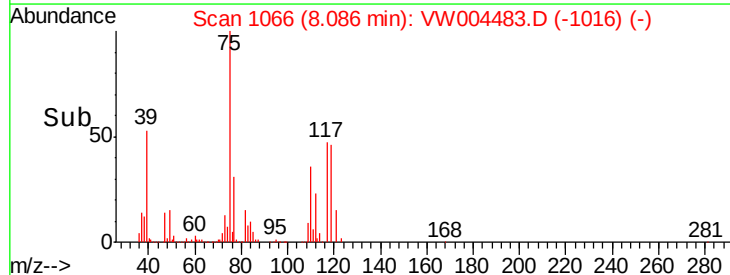
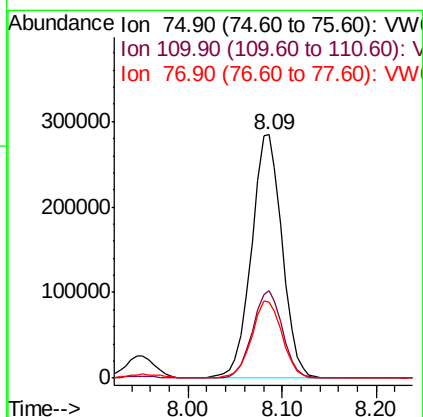
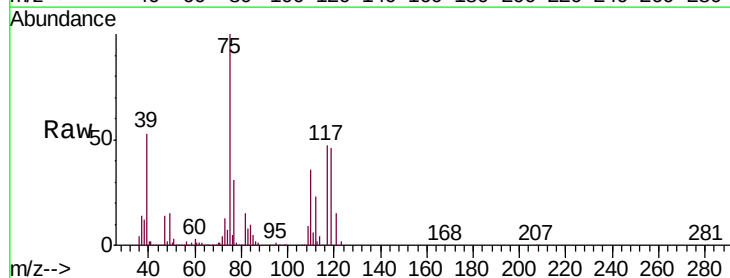
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW080618

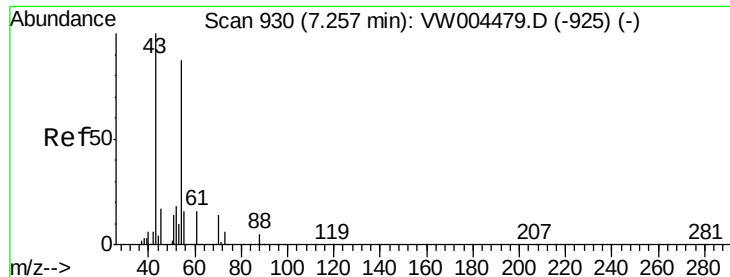
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	20.4	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 53.330 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.4	52.2
77	31.7	24.7	37.1

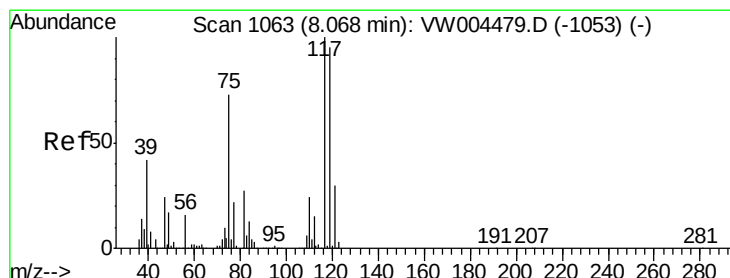
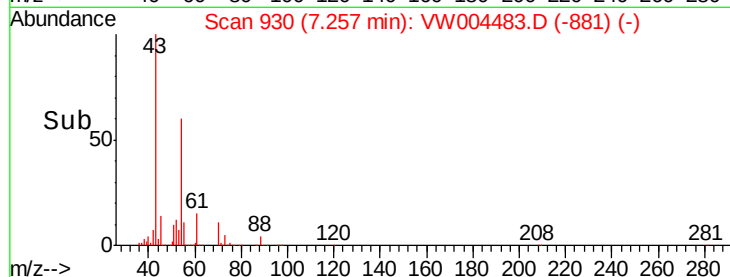
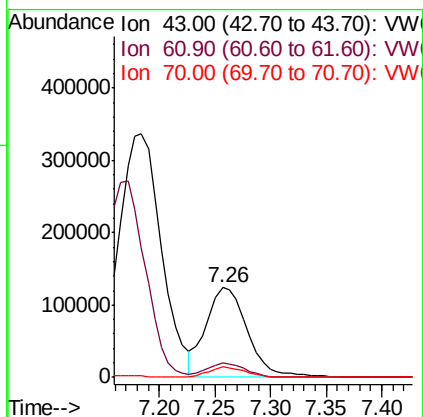
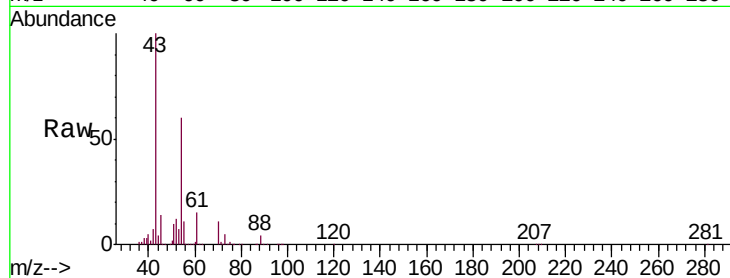




#37
 Ethyl Acetate
 Concen: 63.360 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

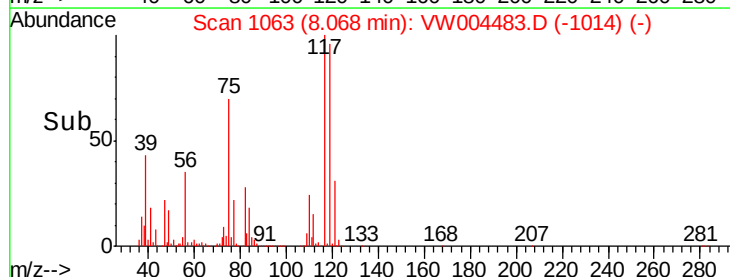
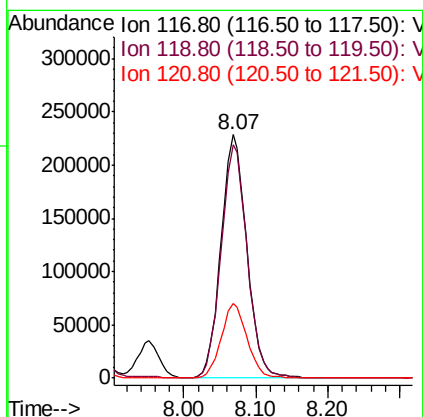
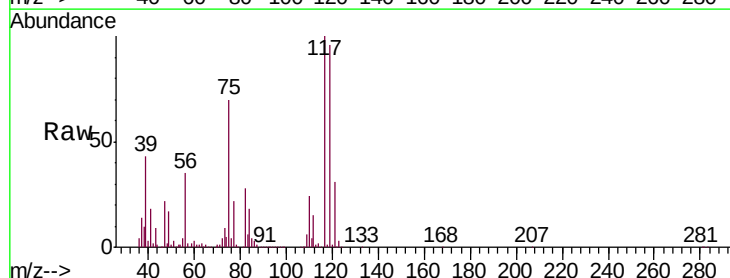
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW080618

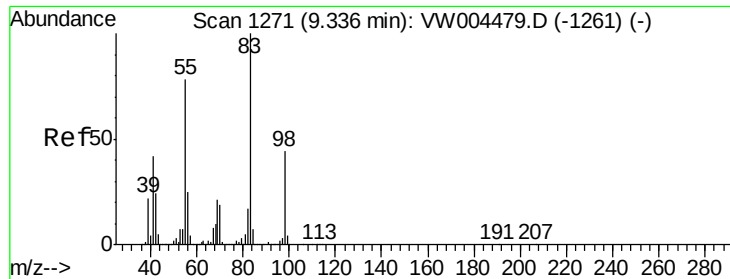
Tgt Ion:	43	Resp:	318795
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	10.9	8.2	12.4



#38
 Carbon Tetrachloride
 Concen: 48.335 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Tgt Ion:	117	Resp:	572371
Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.1	114.1
121	30.6	24.2	36.4

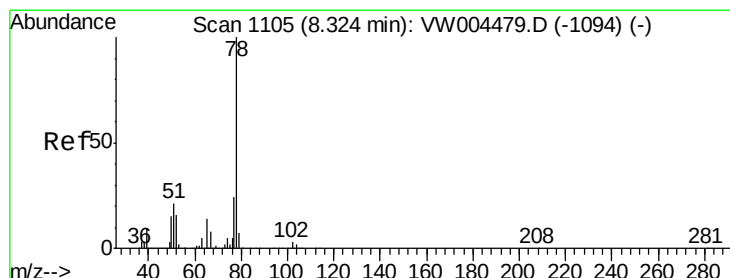
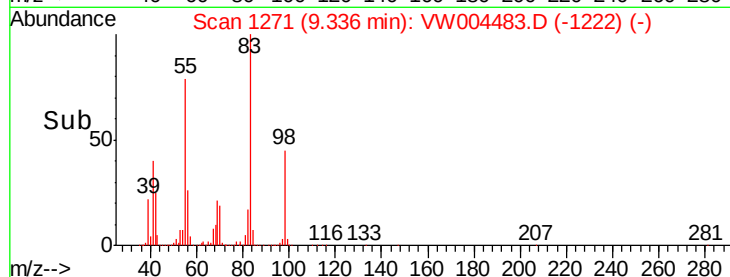
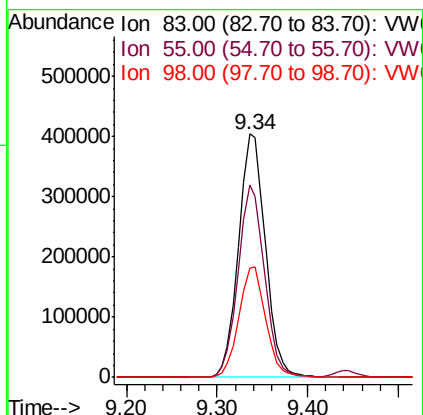
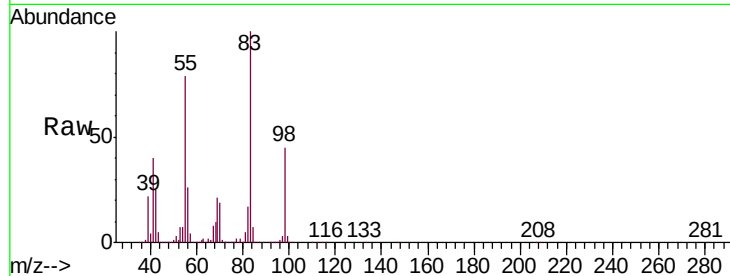




#39
Methylcyclohexane
Concen: 56.416 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

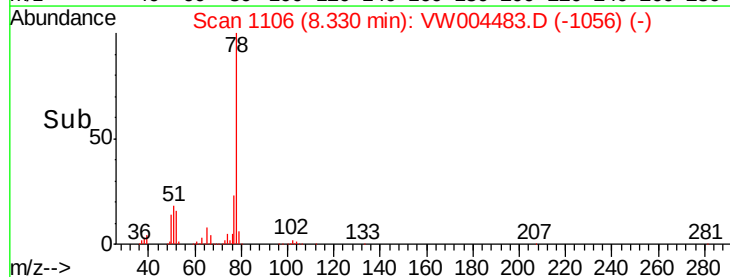
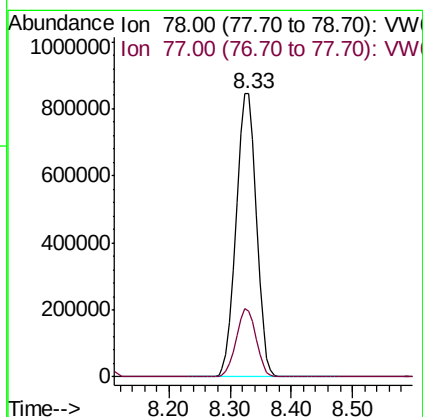
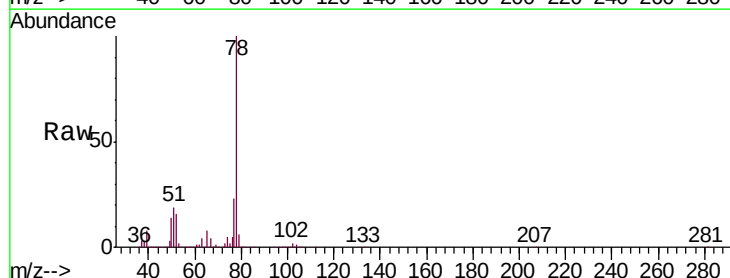
Instrument :
MSVOA_W
ClientSampled :
ICVW080618

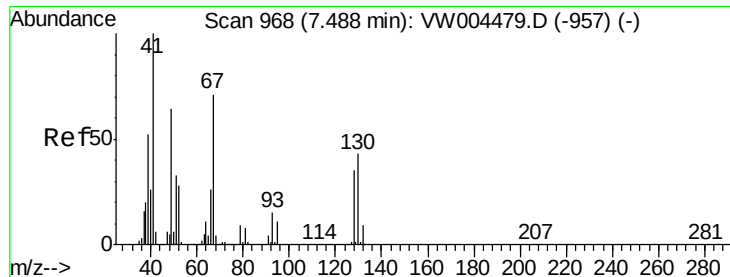
Tgt Ion: 83 Resp: 832039
Ion Ratio Lower Upper
83 100
55 78.9 62.5 93.7
98 44.7 35.4 53.2



#40
Benzene
Concen: 55.674 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion: 78 Resp: 1909632
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6

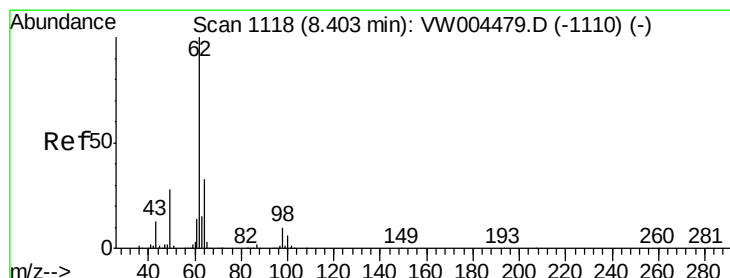
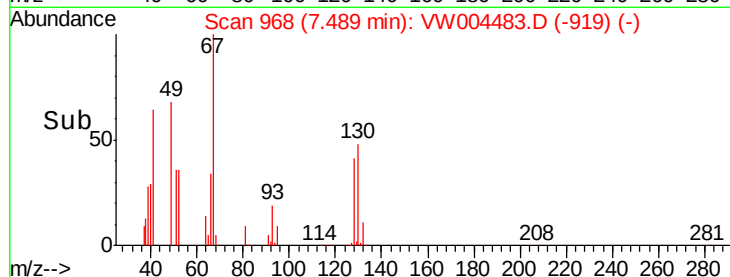
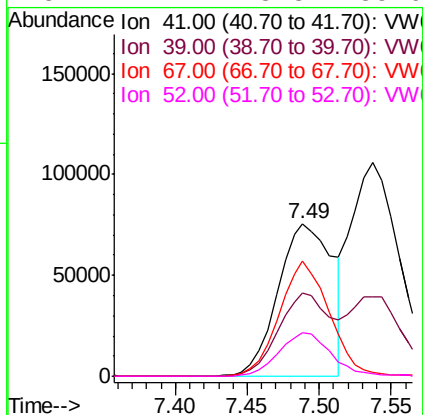
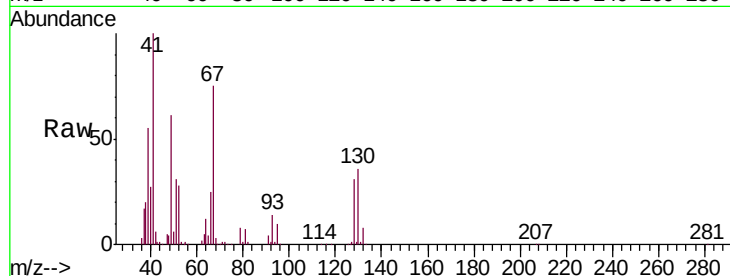




#41
Methacrylonitrile
Concen: 69.358 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

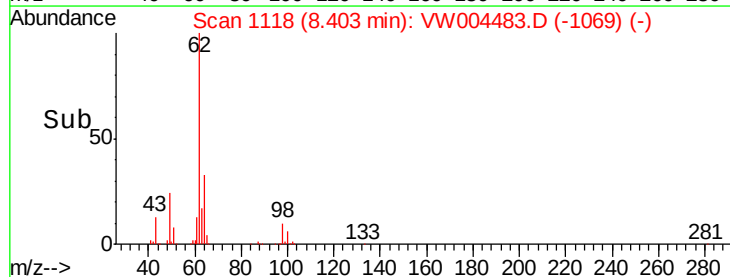
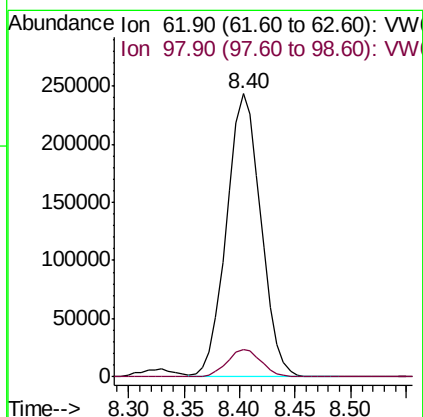
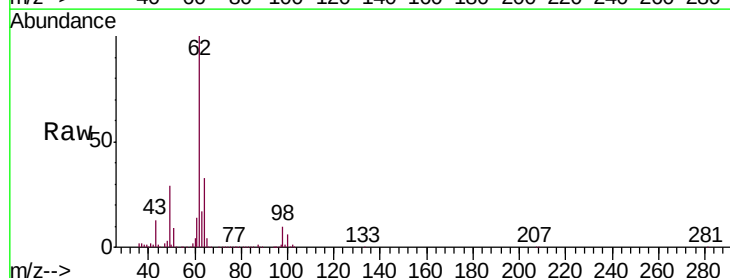
Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

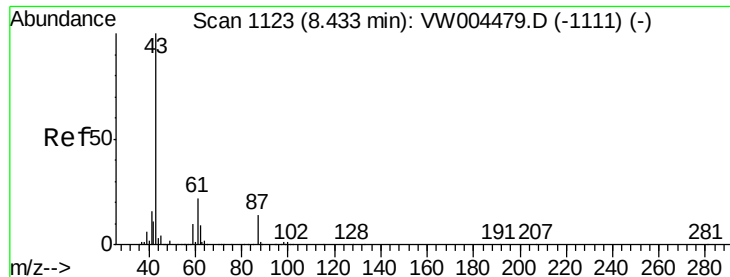
Tgt Ion:	41	Resp:	199688
Ion	Ratio	Lower	Upper
41	100		
39	52.0	46.2	69.2
67	69.3	60.8	91.2
52	27.1	23.8	35.6



#42
1,2-Dichloroethane
Concen: 53.191 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion:	62	Resp:	518795
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43

Isopropyl Acetate

Concen: 63.577 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

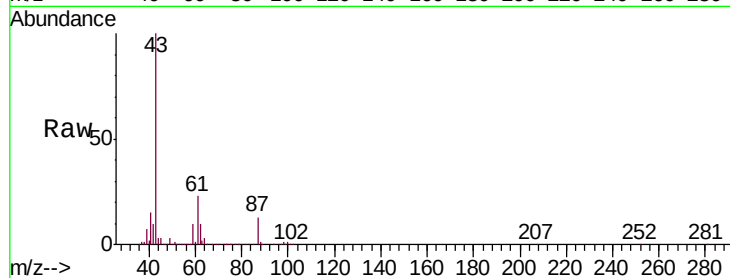
Tgt Ion: 43 Resp: 574389

Ion Ratio Lower Upper

43 100

61 30.7 25.2 37.8

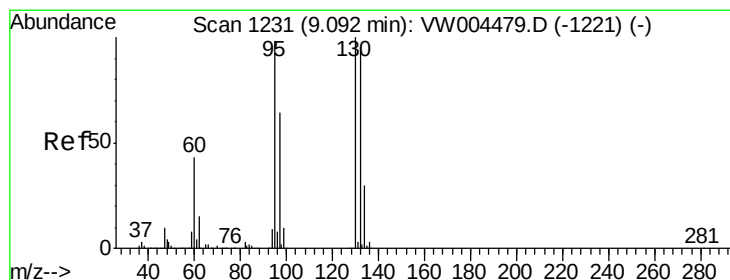
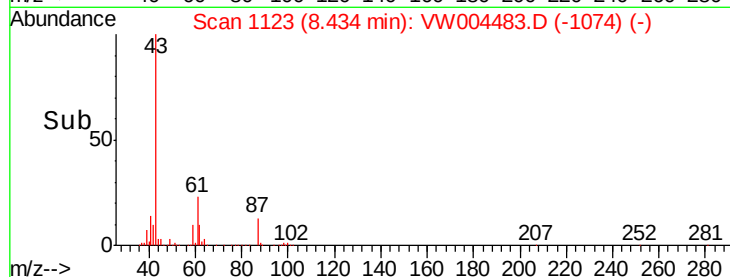
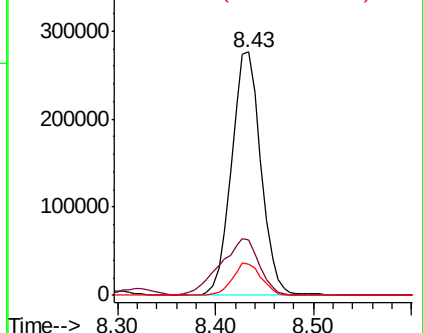
87 13.0 10.6 16.0



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: 51.217 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004483.D

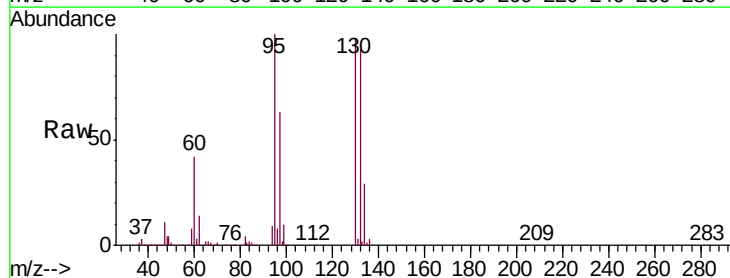
Acq: 06 Aug 2018 21:45

Tgt Ion: 130 Resp: 469168

Ion Ratio Lower Upper

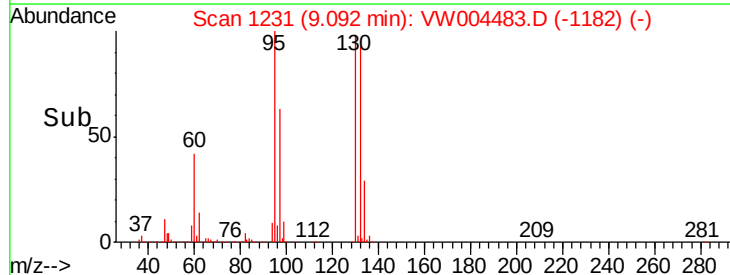
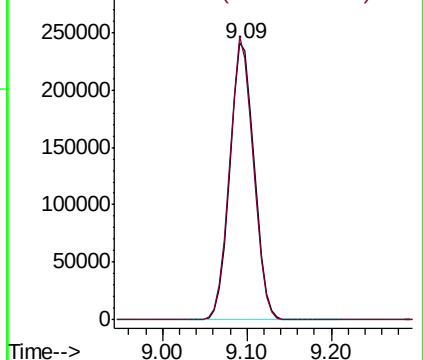
130 100

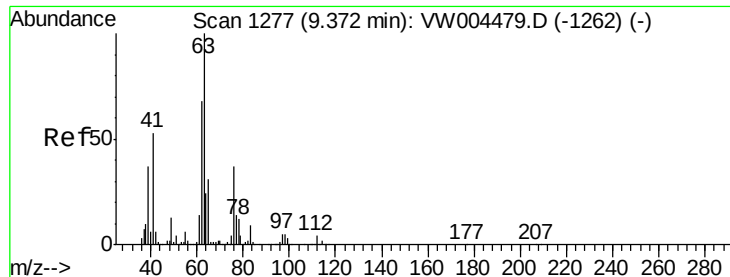
95 102.3 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 56.474 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampled :

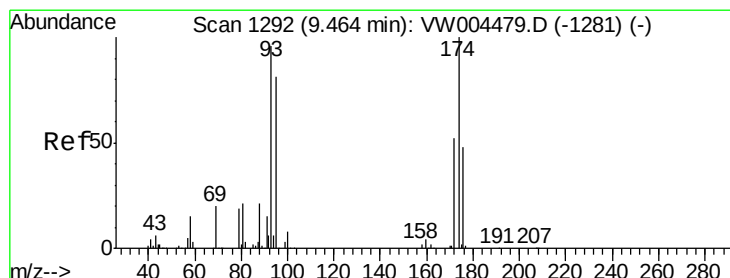
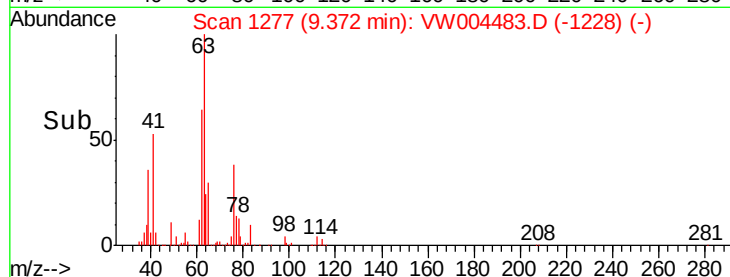
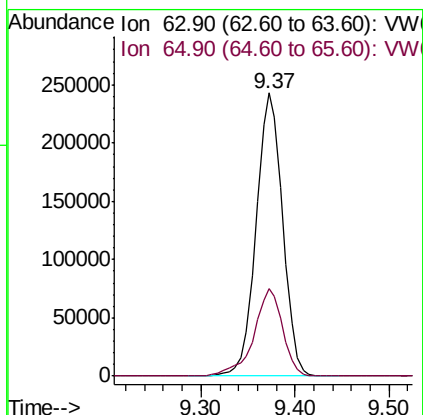
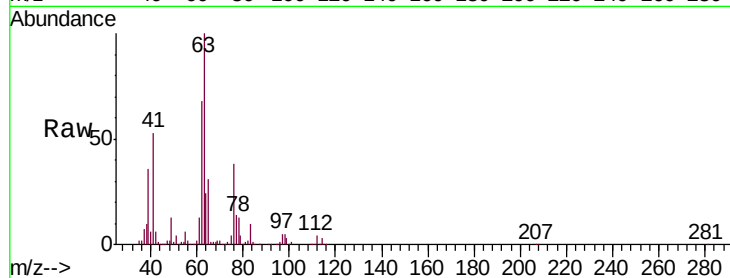
ICVW080618

Tgt Ion: 63 Resp: 480835

Ion Ratio Lower Upper

63 100

65 30.9 24.5 36.7



#46

Dibromomethane

Concen: 56.129 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

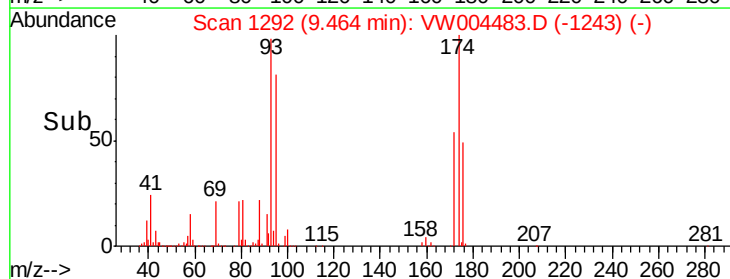
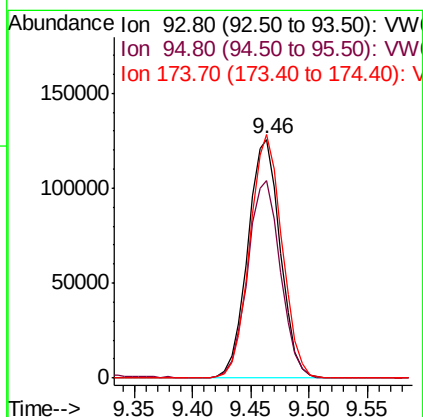
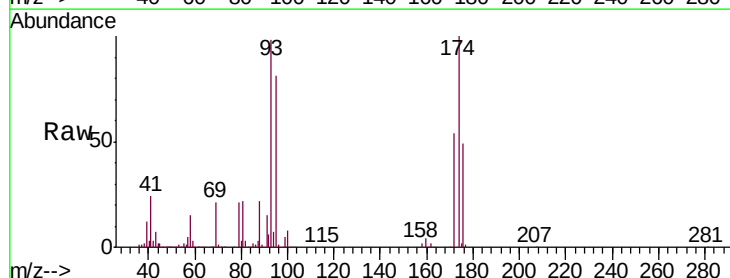
Tgt Ion: 93 Resp: 244648

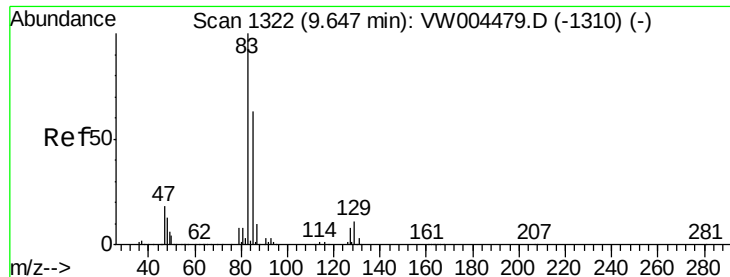
Ion Ratio Lower Upper

93 100

95 83.6 67.0 100.4

174 101.2 80.2 120.4





#47

Bromodichloromethane

Concen: 53.026 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

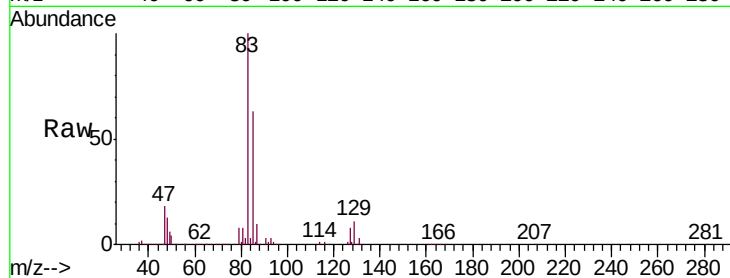
Tgt Ion: 83 Resp: 578663

Ion Ratio Lower Upper

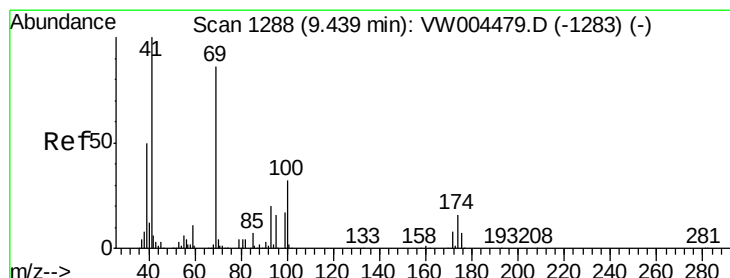
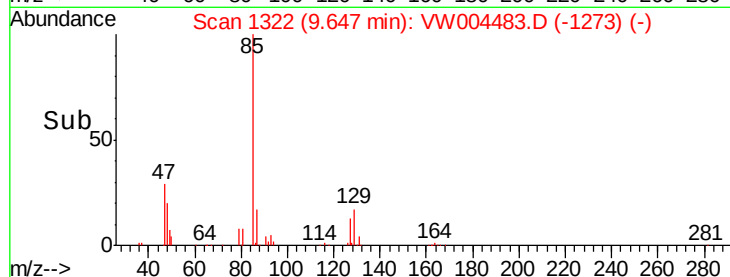
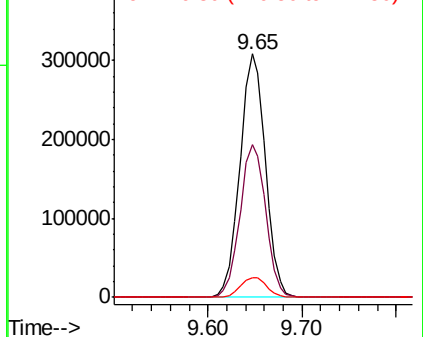
83 100

85 62.7 50.7 76.1

127 8.3 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): V



#48

Methyl methacrylate

Concen: 60.375 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

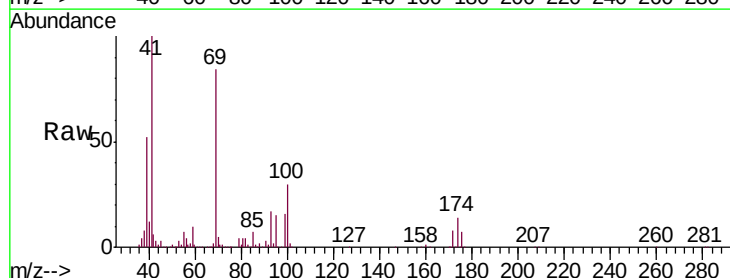
Tgt Ion: 41 Resp: 275570

Ion Ratio Lower Upper

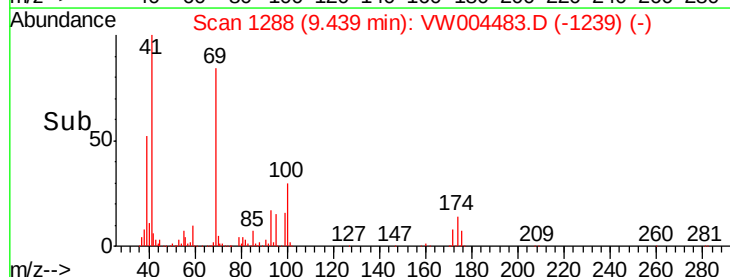
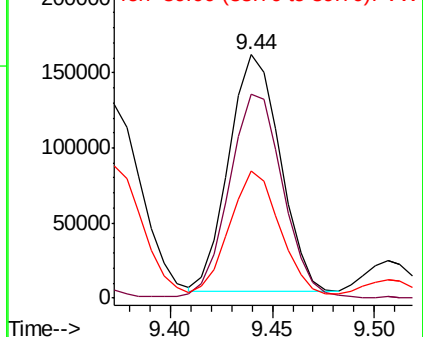
41 100

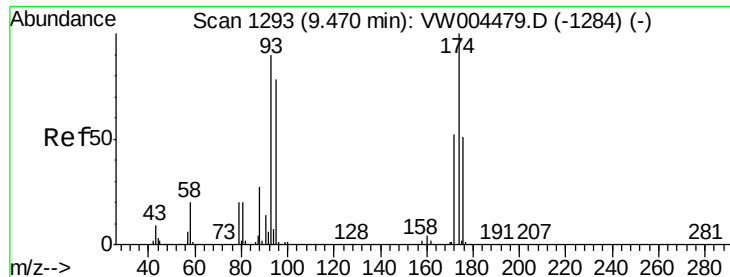
69 89.3 73.2 109.8

39 50.5 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

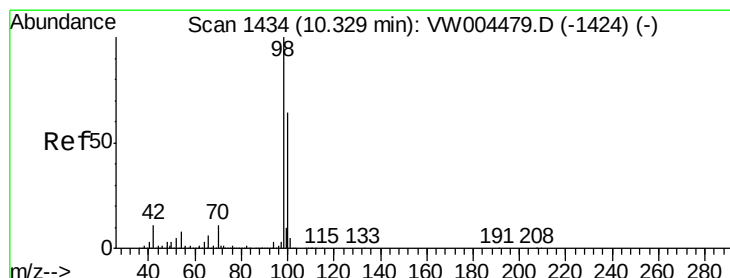
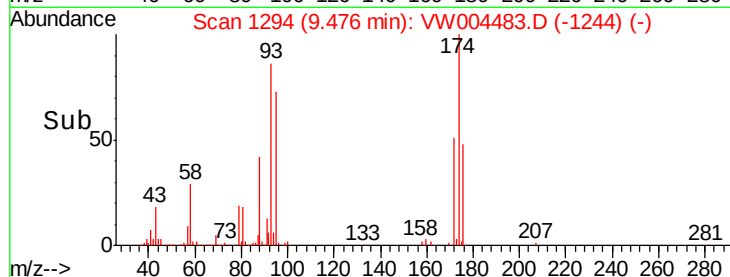
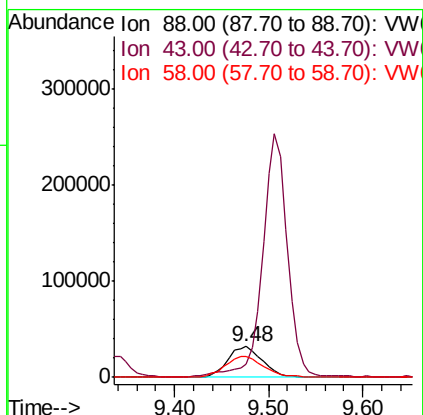
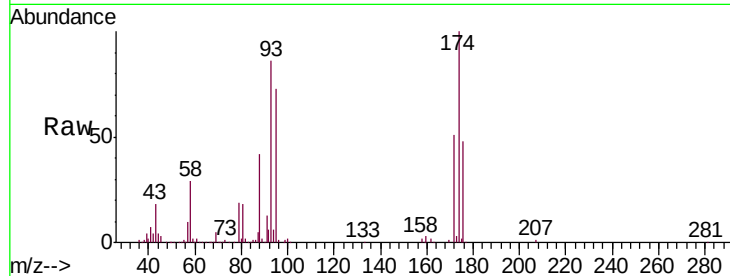




#49
1,4-Dioxane
Concen: 1235.371 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

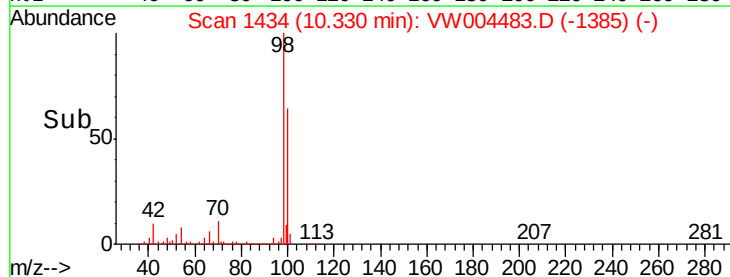
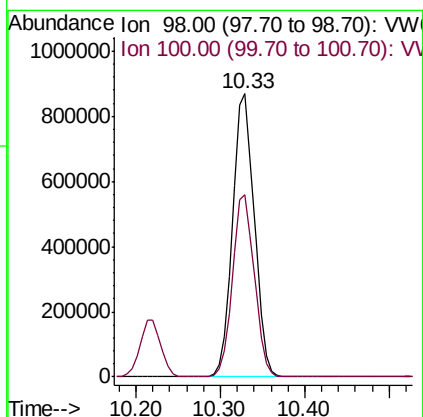
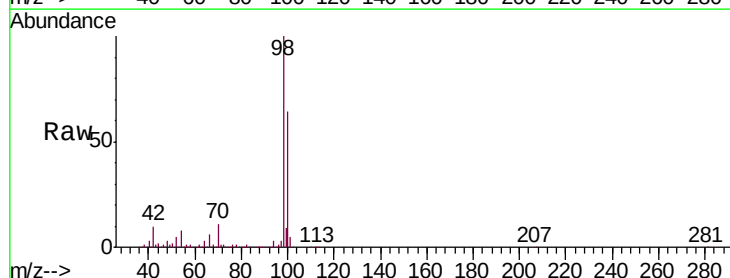
Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

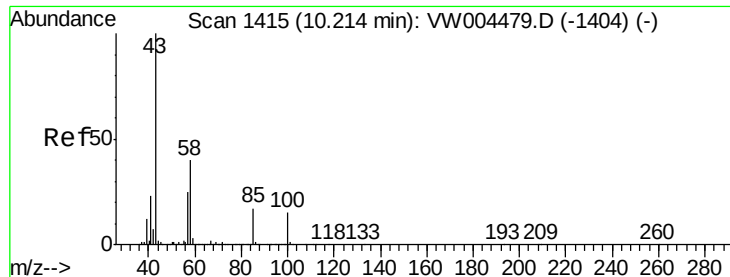
Tgt Ion: 88 Resp: 81826
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 76.1 63.5 95.3



#50
Toluene-d8
Concen: 50.358 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion: 98 Resp: 1512717
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 386.035 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

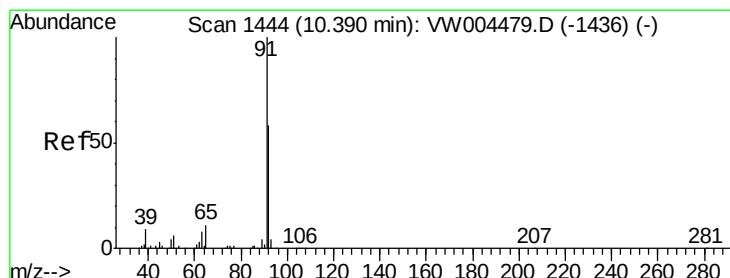
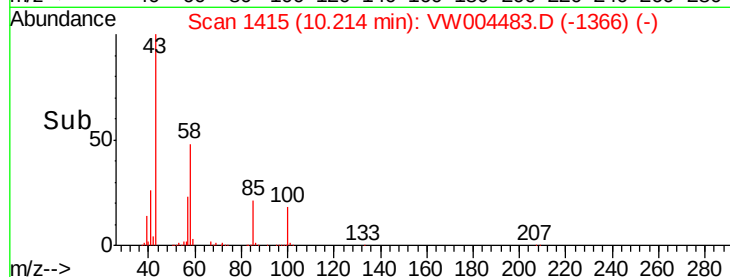
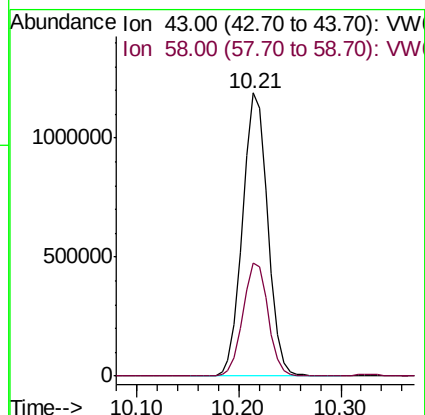
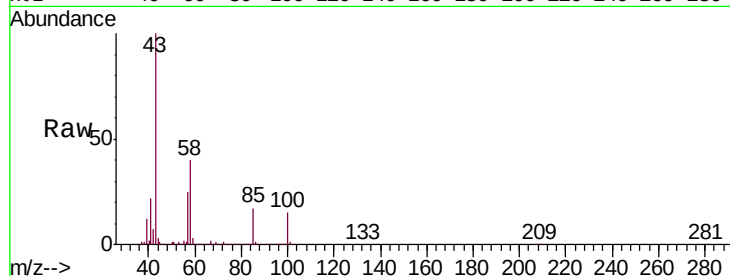
ICVW080618

Tgt Ion: 43 Resp: 2030764

Ion Ratio Lower Upper

43 100

58 40.2 31.9 47.9



#52

Toluene

Concen: 53.641 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004483.D

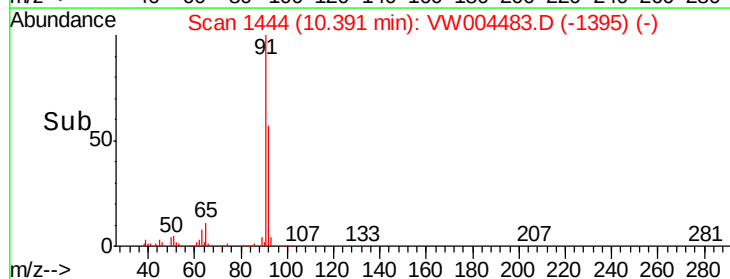
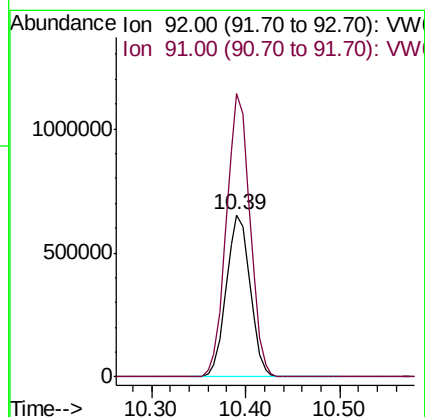
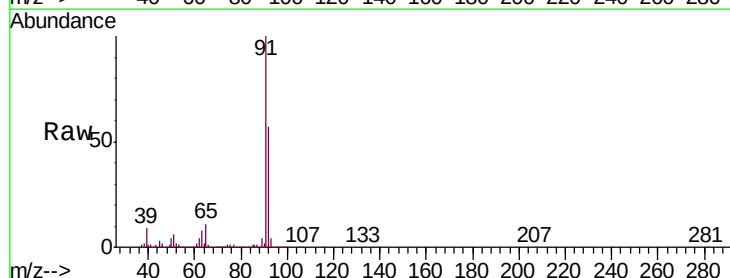
Acq: 06 Aug 2018 21:45

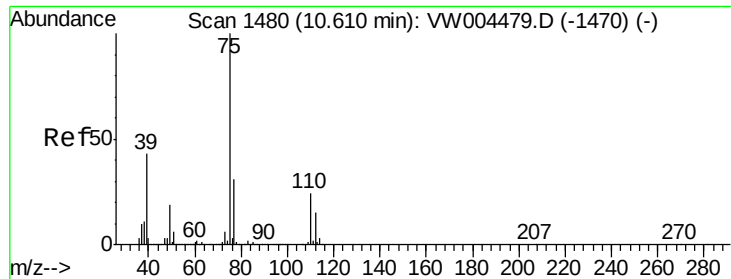
Tgt Ion: 92 Resp: 1147018

Ion Ratio Lower Upper

92 100

91 172.8 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 54.441 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

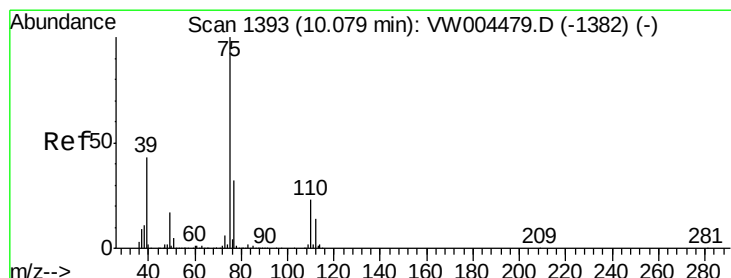
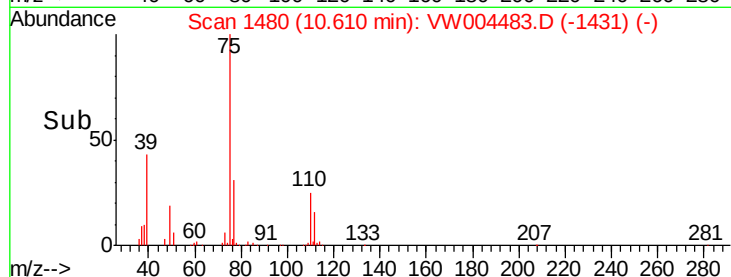
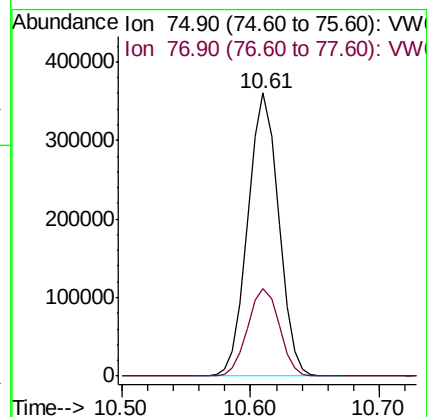
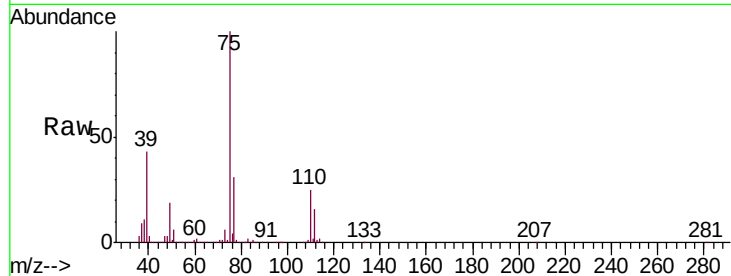
ICVW080618

Tgt Ion: 75 Resp: 594998

Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 53.993 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

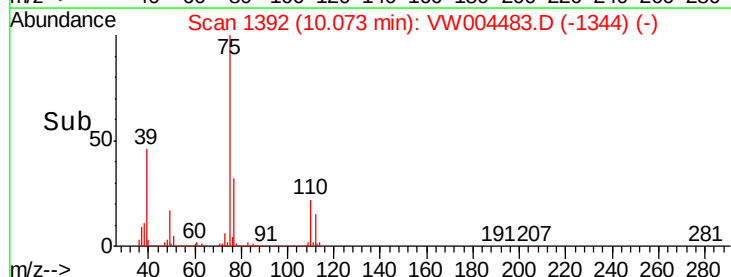
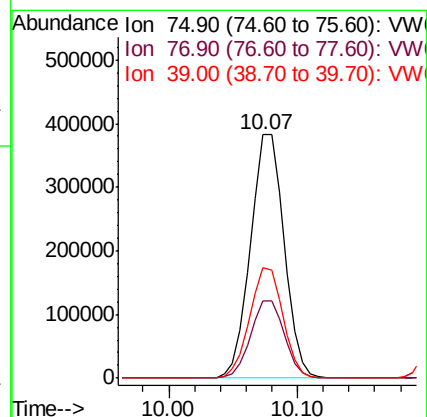
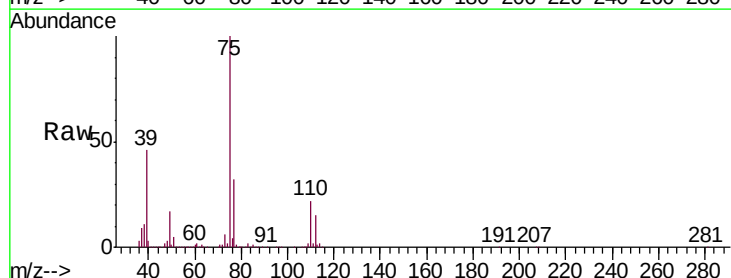
Tgt Ion: 75 Resp: 688483

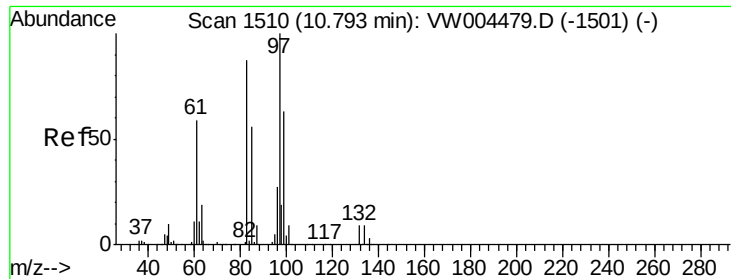
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 45.5 34.5 51.7

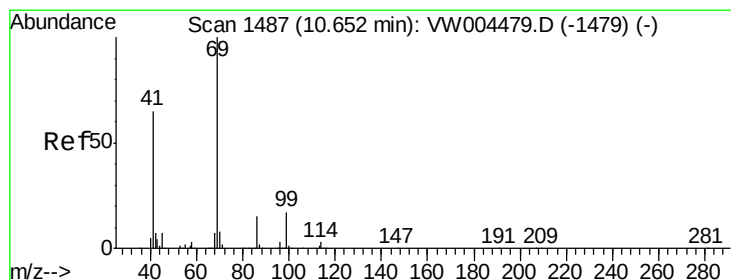
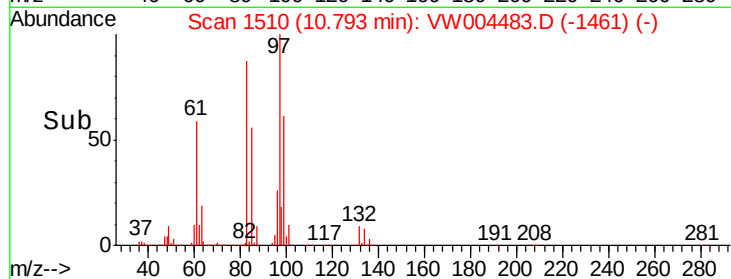
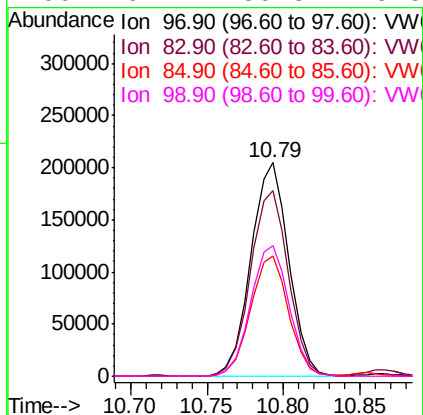
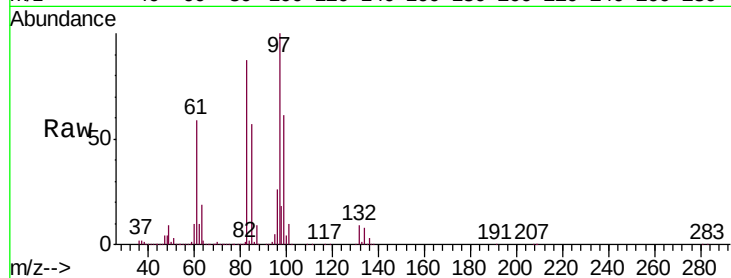




#55
 1,1,2-Trichloroethane
 Concen: 56.901 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

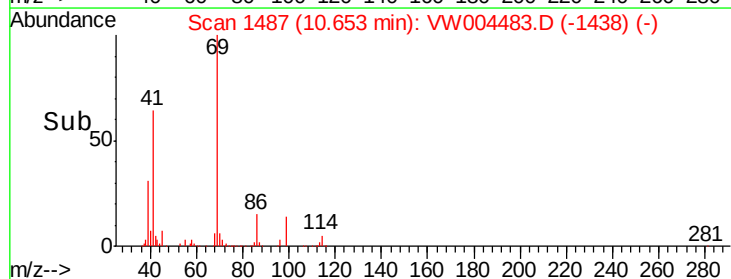
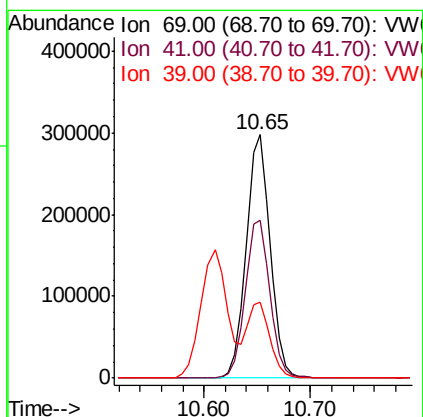
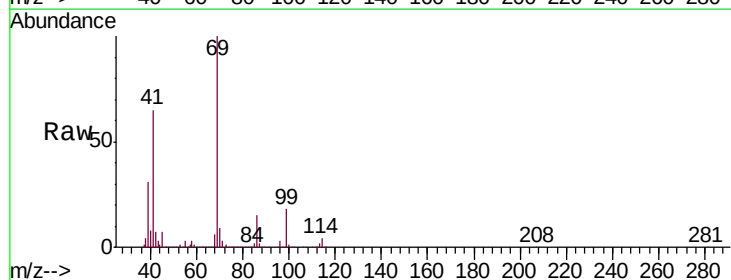
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW080618

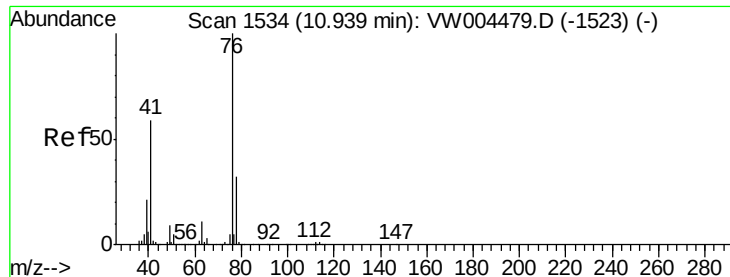
Tgt Ion:	97	Resp:	352223
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.8	104.8
85	56.5	45.1	67.7
99	61.2	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 62.618 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Tgt Ion:	69	Resp:	471159
Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.4	78.6
39	28.6	22.7	34.1





#57

1,3-Dichloropropane

Concen: 57.825 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

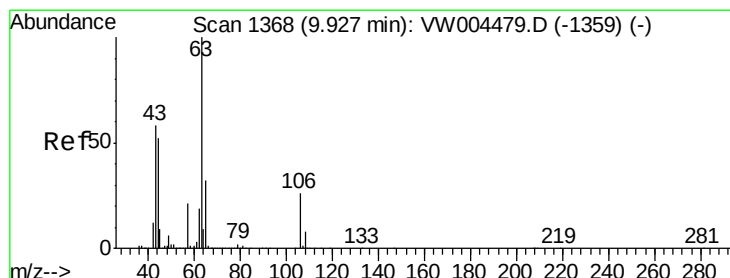
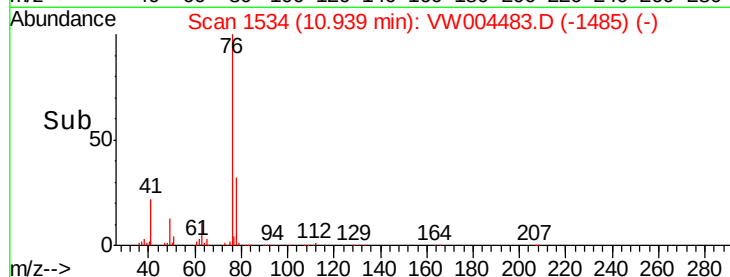
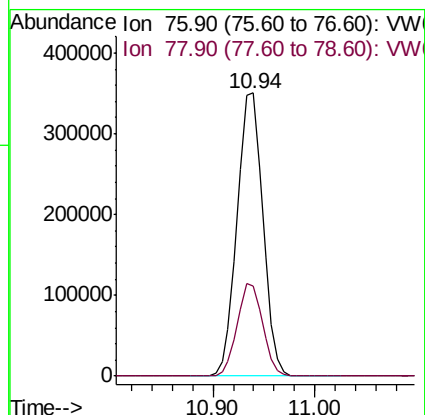
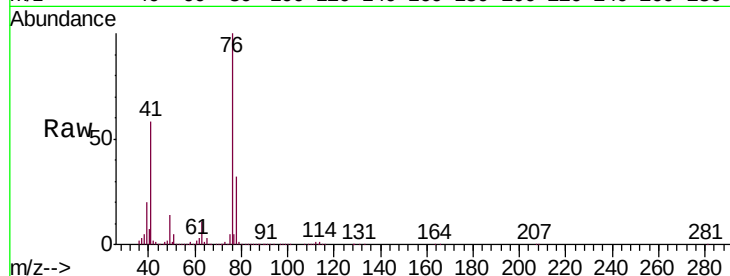
ICVW080618

Tgt Ion: 76 Resp: 611856

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 332.250 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004483.D

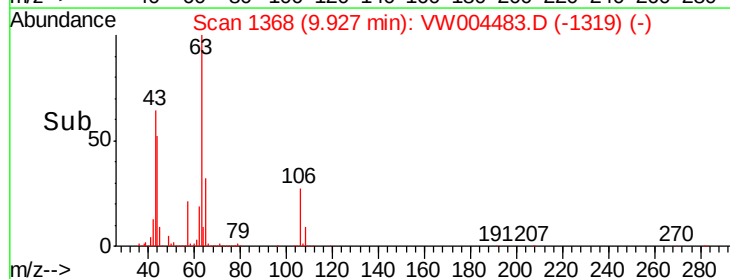
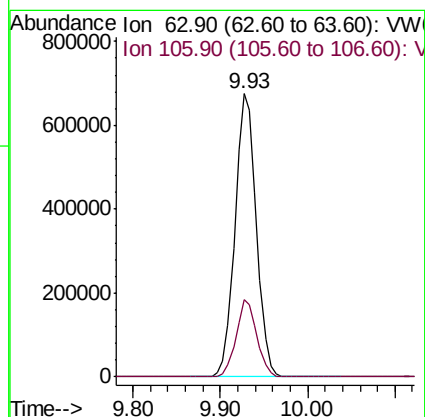
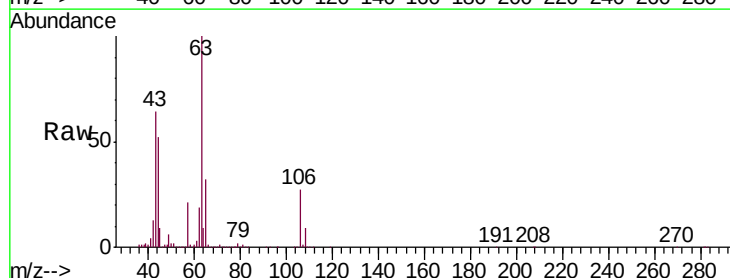
Acq: 06 Aug 2018 21:45

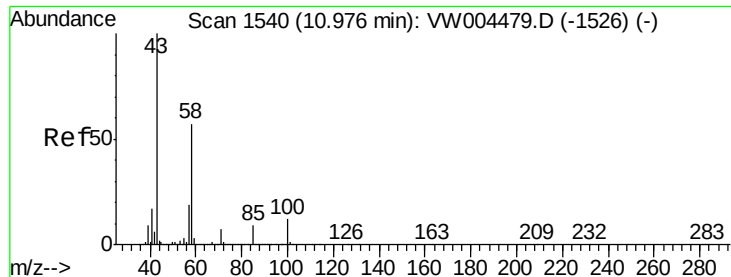
Tgt Ion: 63 Resp: 1144187

Ion Ratio Lower Upper

63 100

106 26.3 21.3 31.9

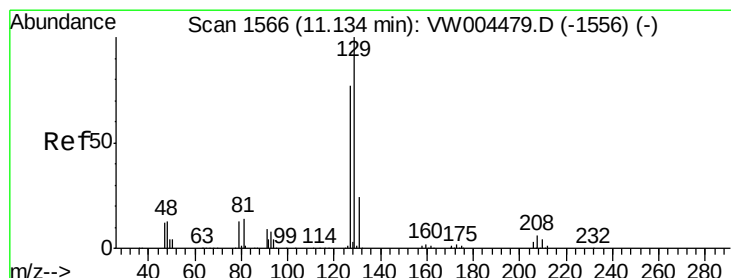
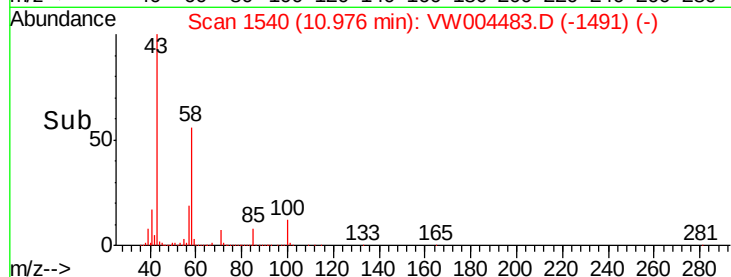
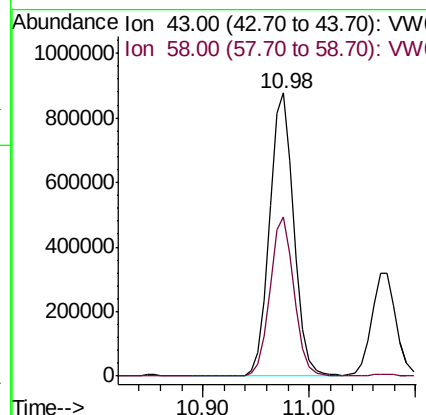
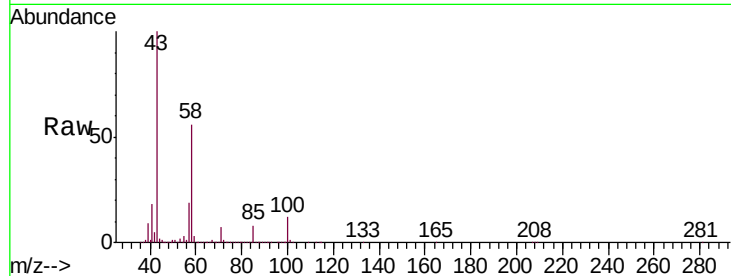




#59
2-Hexanone
Concen: 386.617 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

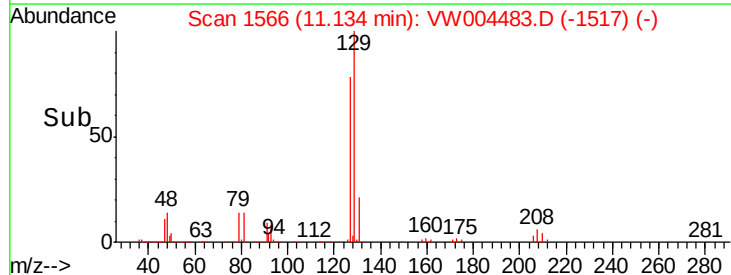
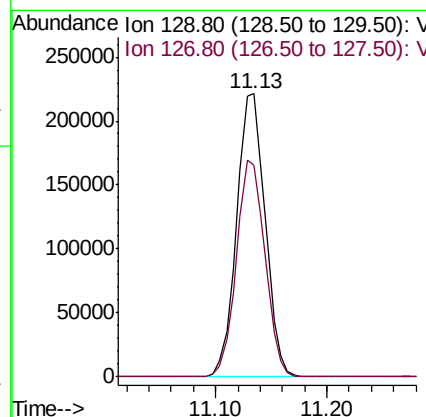
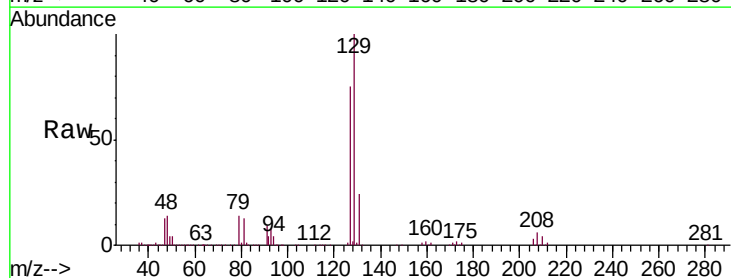
Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

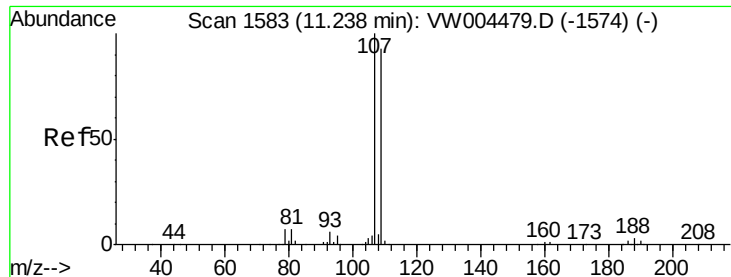
Tgt Ion: 43 Resp: 1391891
Ion Ratio Lower Upper
43 100
58 55.8 27.9 83.6



#60
Dibromochloromethane
Concen: 53.351 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion: 129 Resp: 392098
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 56.883 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

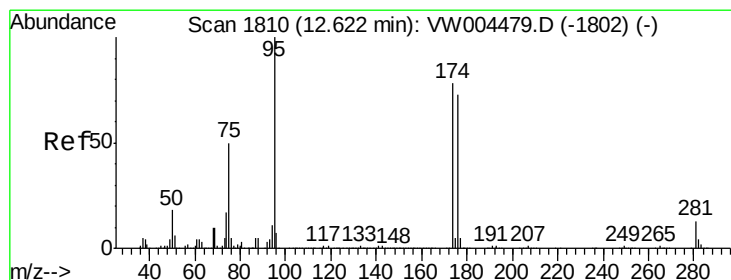
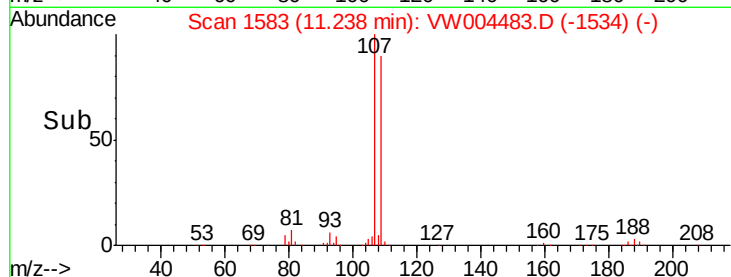
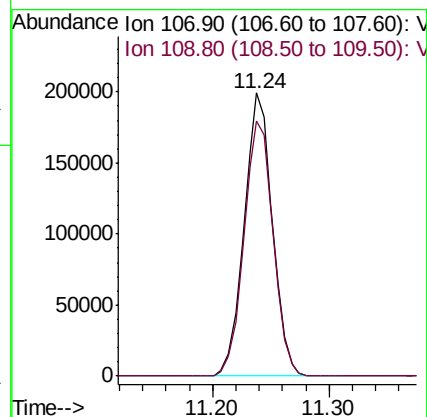
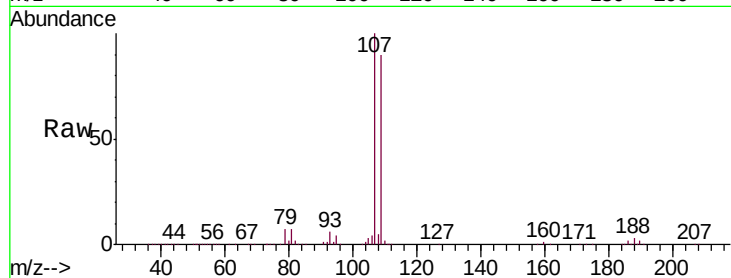
ICVW080618

Tgt Ion: 107 Resp: 336395

Ion Ratio Lower Upper

107 100

109 93.3 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 52.868 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

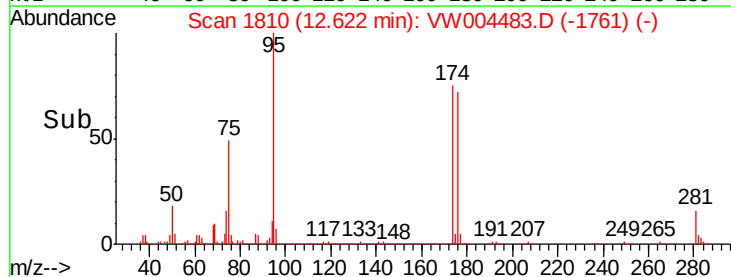
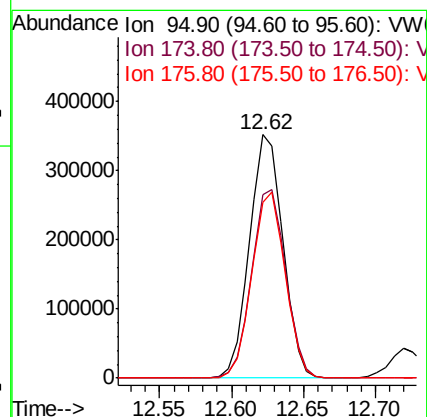
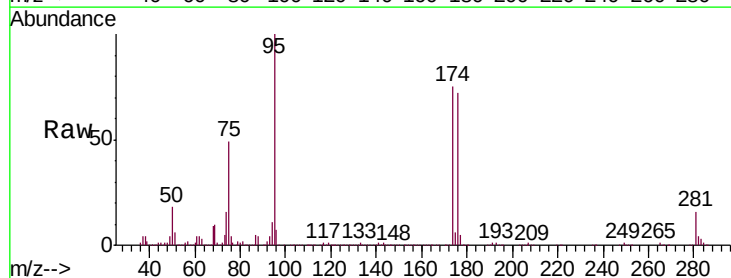
Tgt Ion: 95 Resp: 564620

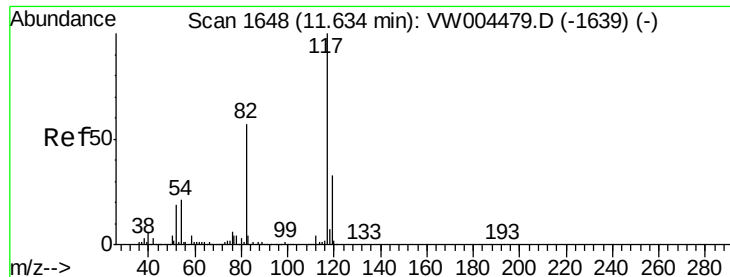
Ion Ratio Lower Upper

95 100

174 78.8 0.0 160.4

176 76.1 0.0 153.2

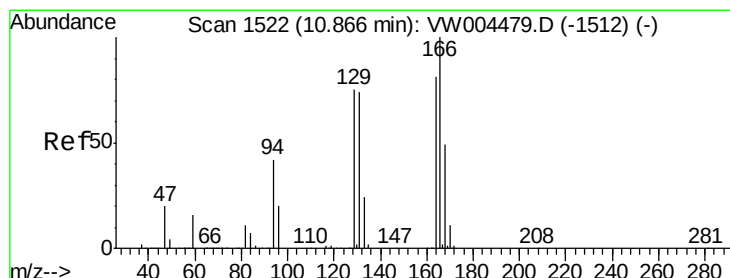
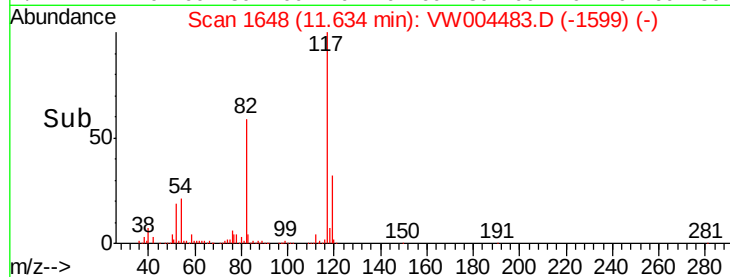
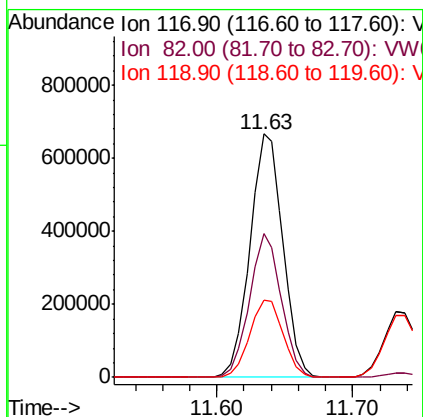
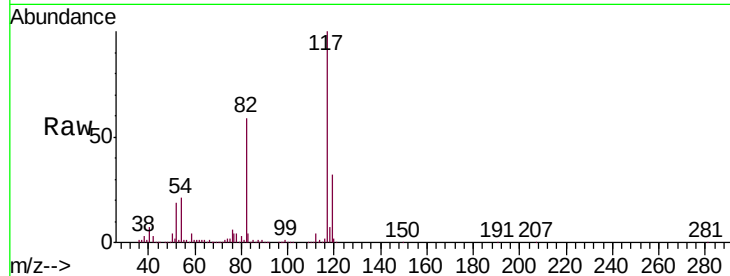




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

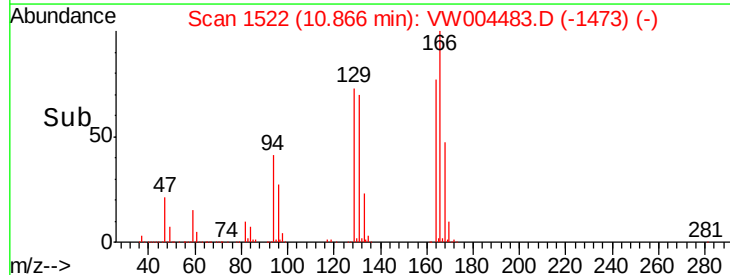
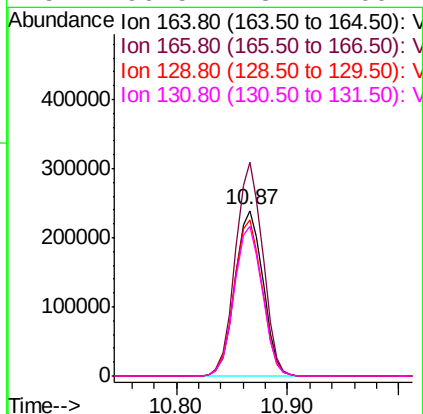
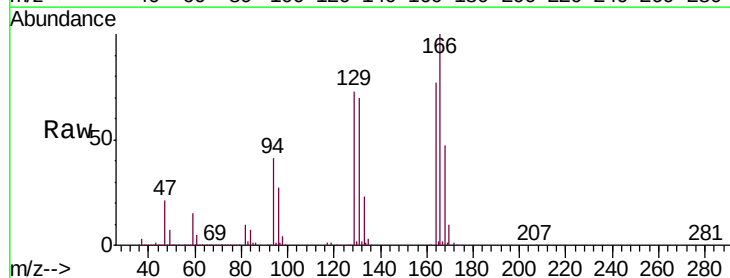
Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

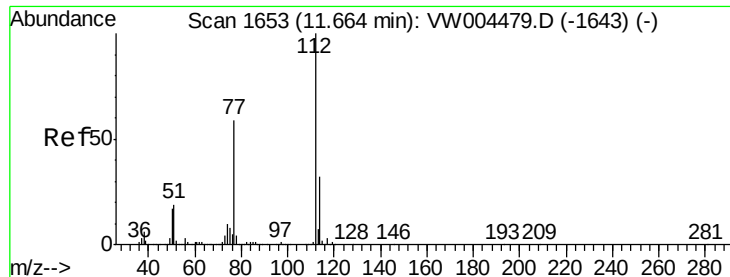
Tgt Ion:117 Resp: 1130959
Ion Ratio Lower Upper
117 100
82 58.8 45.3 67.9
119 31.7 26.2 39.4



#64
Tetrachloroethene
Concen: 50.412 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion:164 Resp: 414848
Ion Ratio Lower Upper
164 100
166 129.3 98.4 147.6
129 94.9 73.6 110.4
131 90.5 73.1 109.7

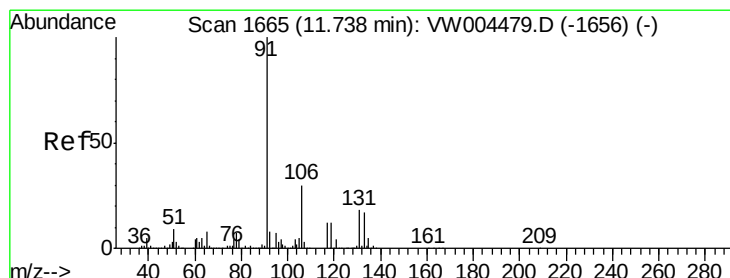
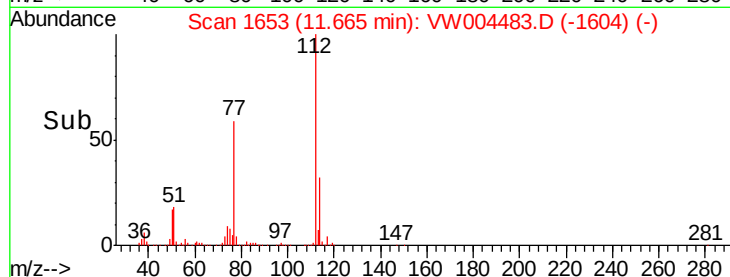
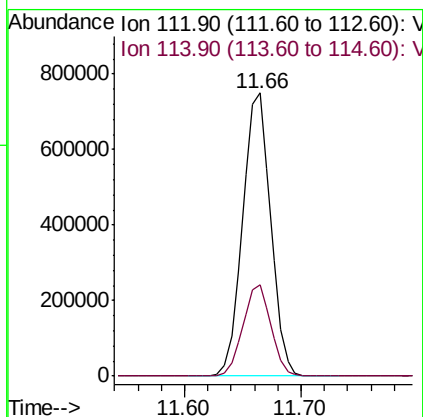
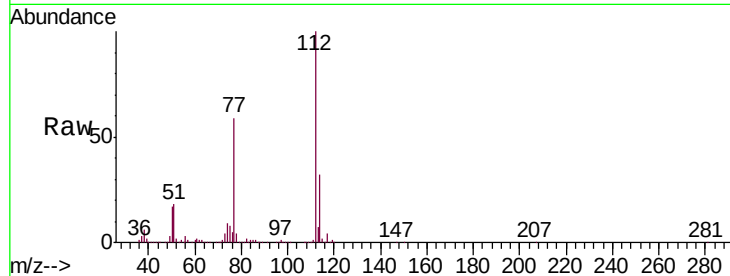




#65
Chlorobenzene
Concen: 53.022 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

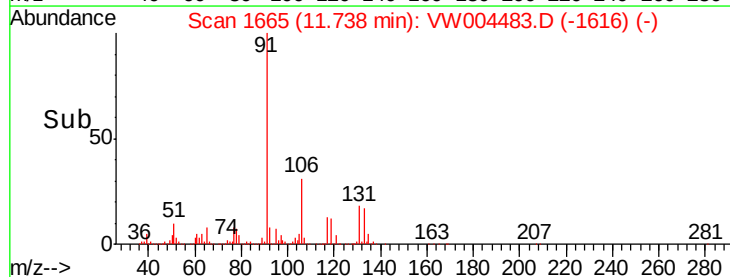
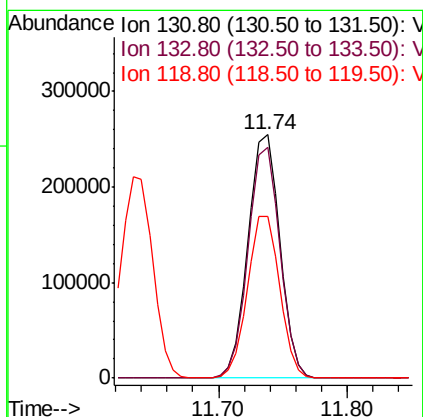
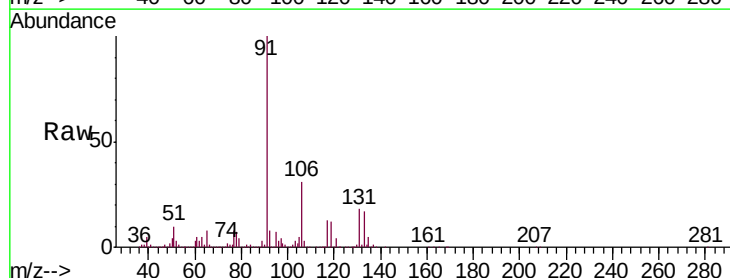
Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

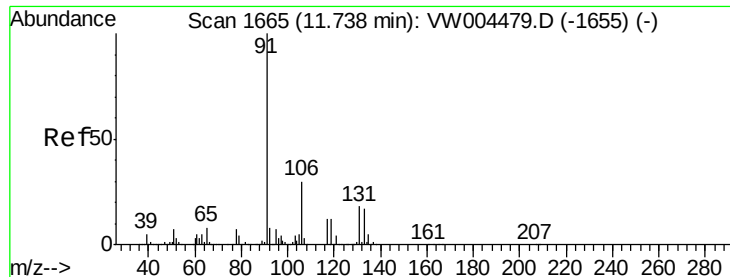
Tgt Ion:112 Resp: 1262874
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.633 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion:131 Resp: 434243
Ion Ratio Lower Upper
131 100
133 94.7 48.1 144.4
119 67.4 33.9 101.7

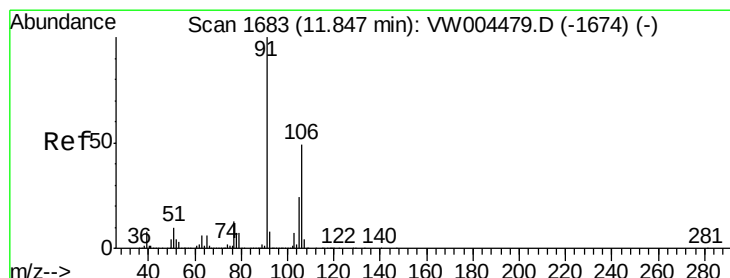
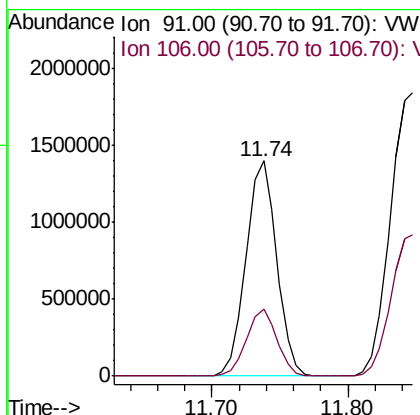
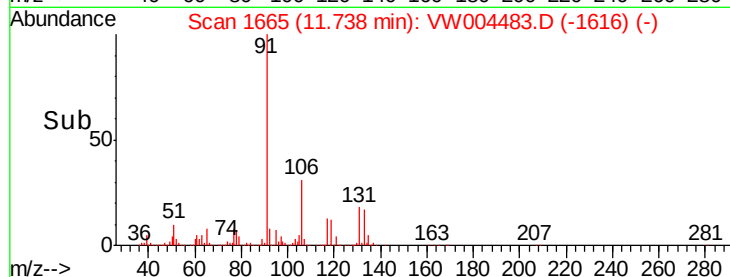
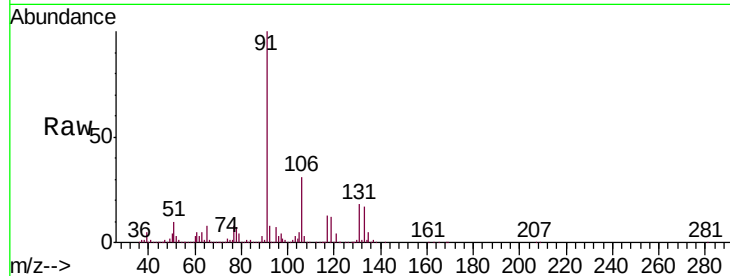




#67
Ethyl Benzene
Concen: 53.244 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

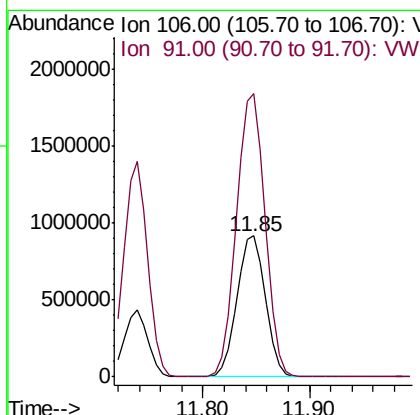
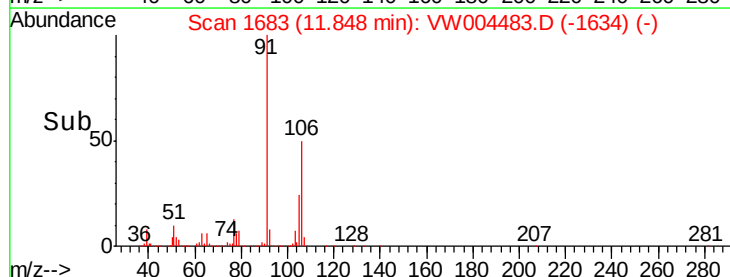
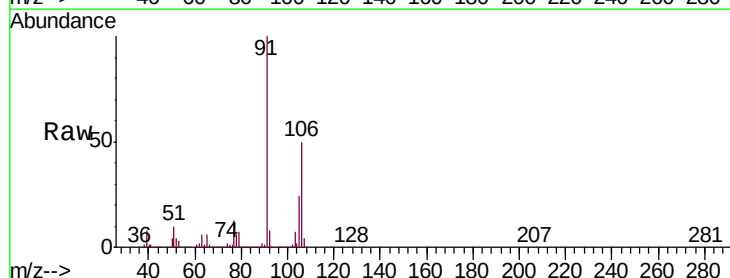
Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

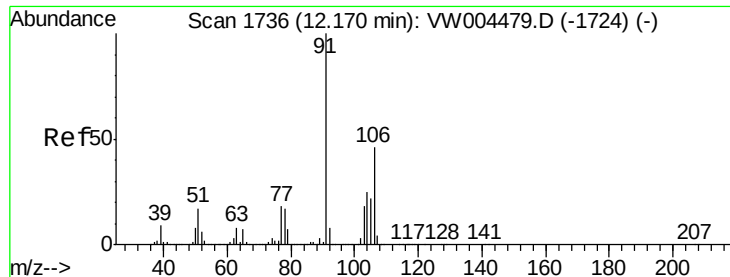
Tgt Ion: 91 Resp: 2219633
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.2



#68
m/p-Xylenes
Concen: 107.589 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion: 106 Resp: 1721140
Ion Ratio Lower Upper
106 100
91 202.3 162.8 244.2

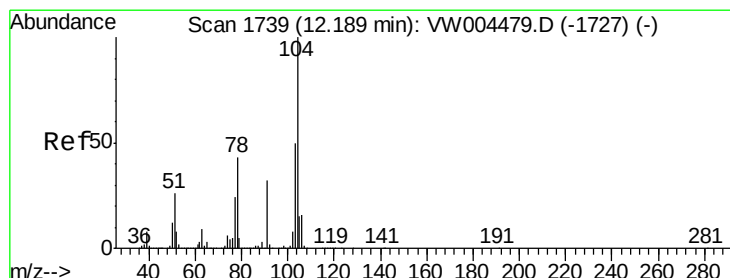
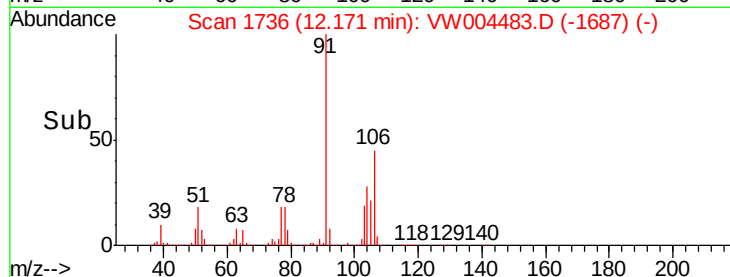
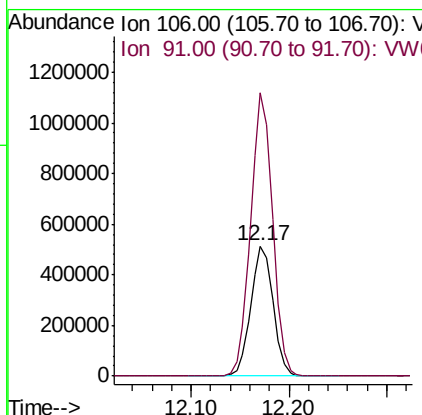
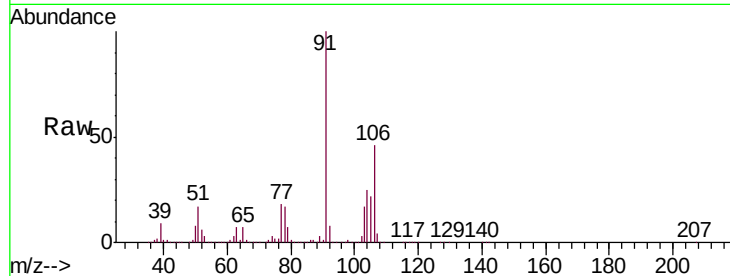




#69
o-Xylene
Concen: 54.826 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

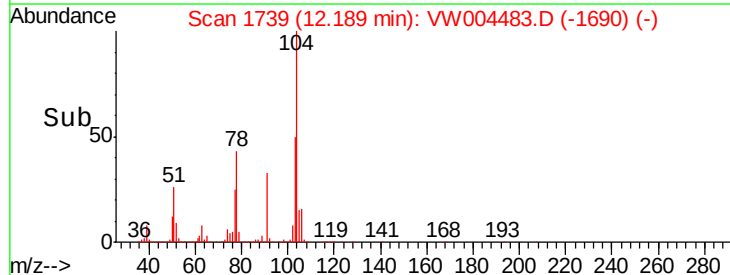
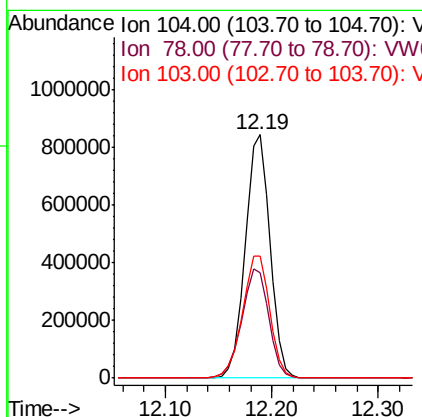
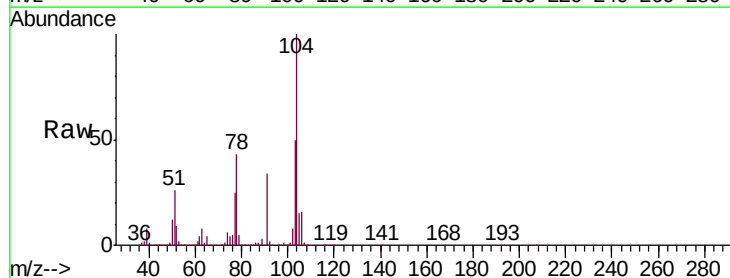
Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

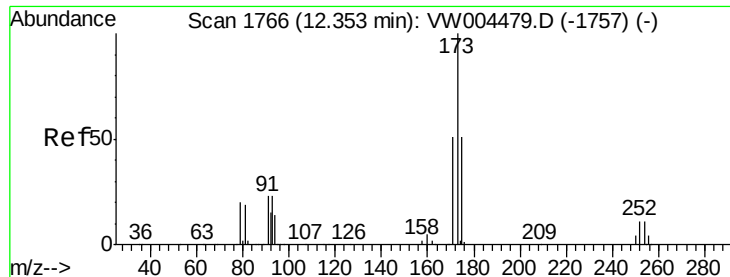
Tgt Ion:106 Resp: 811051
Ion Ratio Lower Upper
106 100
91 214.8 106.7 320.2



#70
Styrene
Concen: 55.107 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion:104 Resp: 1382569
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 55.0 44.2 66.2





#71

Bromoform

Concen: 51.643 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

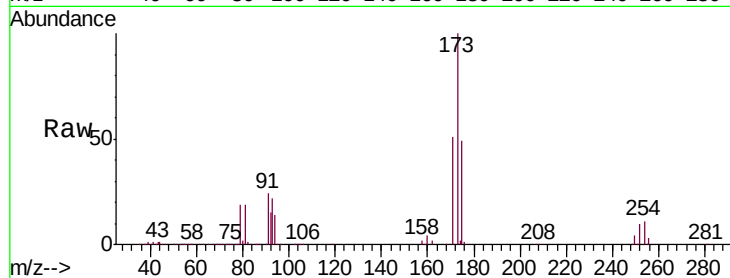
Tgt Ion:173 Resp: 242849

Ion Ratio Lower Upper

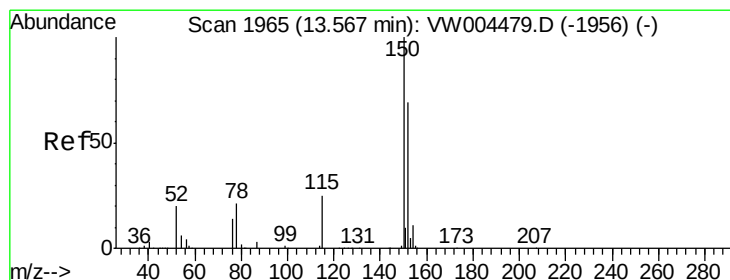
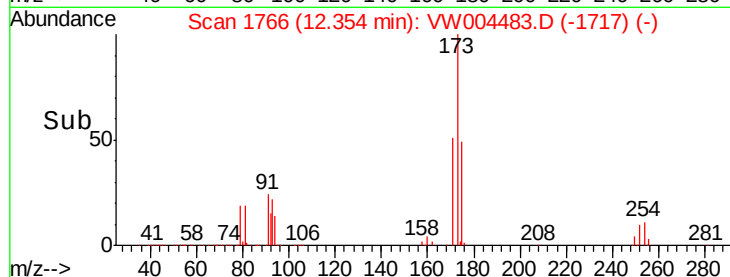
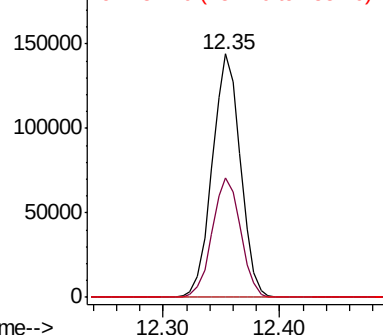
173 100

175 49.5 24.5 73.5

254 0.2 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: VW004483.D

Acq: 06 Aug 2018 21:45

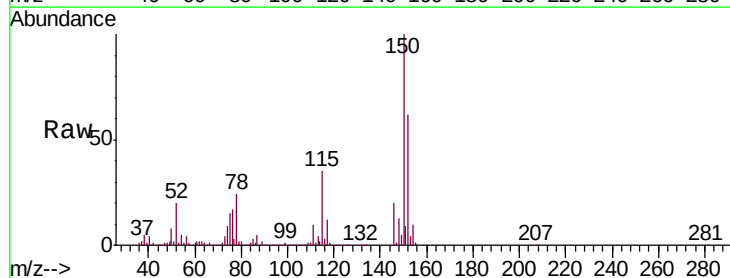
Tgt Ion:152 Resp: 591284

Ion Ratio Lower Upper

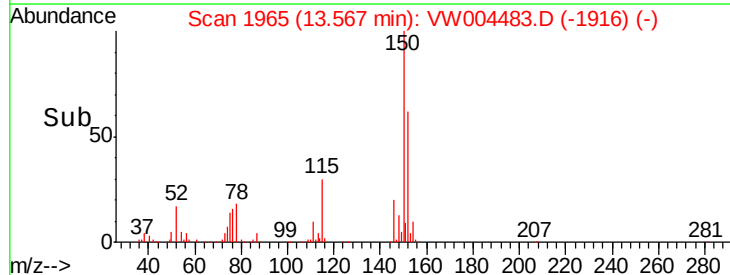
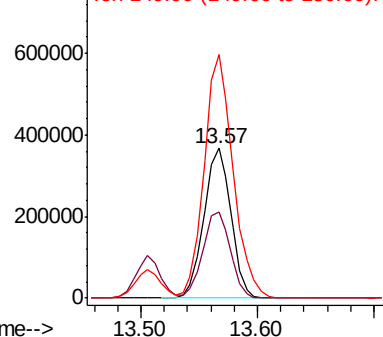
152 100

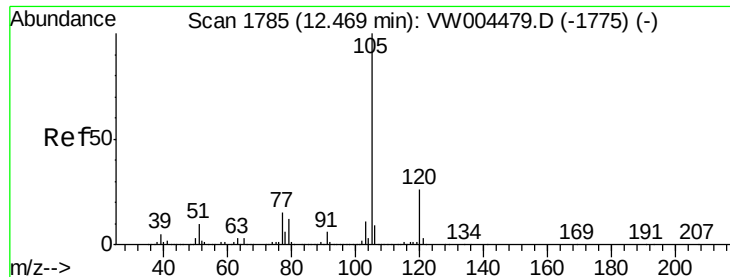
115 58.2 29.1 87.3

150 174.3 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: 53.904 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

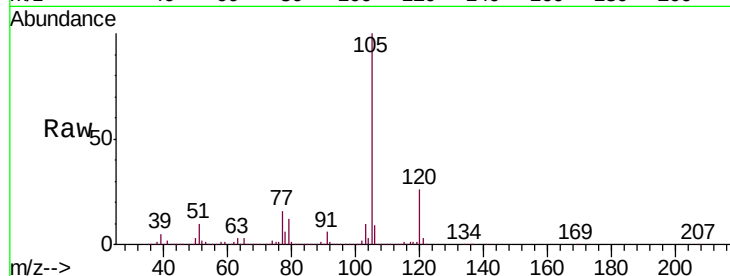
ICVW080618

Tgt Ion: 105 Resp: 2223262

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

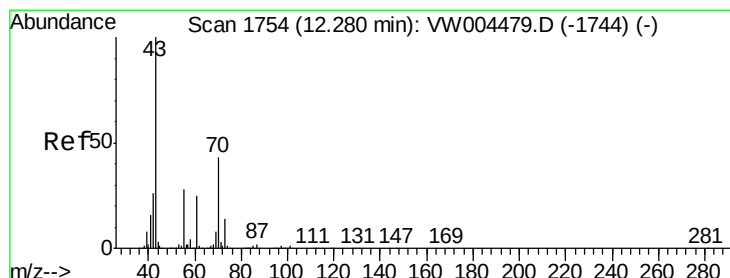
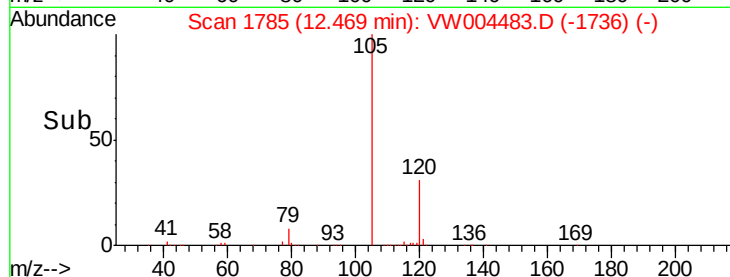
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 62.136 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Tgt Ion: 43 Resp: 562965

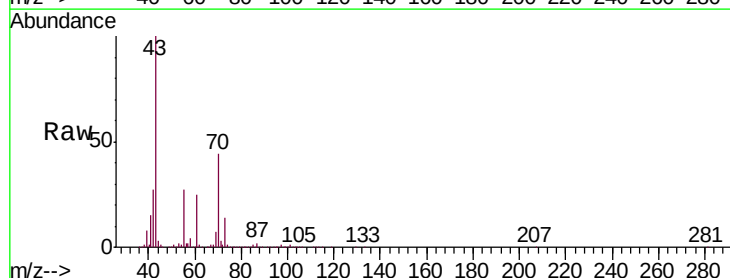
Ion Ratio Lower Upper

43 100

70 43.6 35.3 52.9

55 27.2 22.9 34.3

61 24.7 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

600000

500000

400000

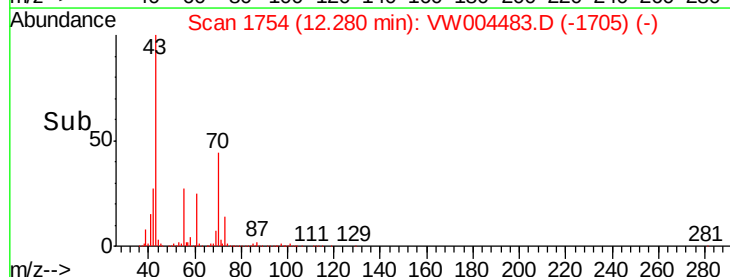
300000

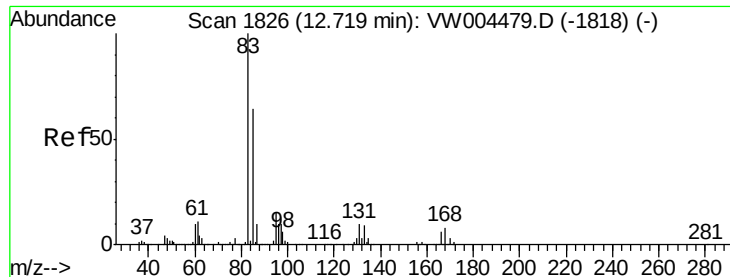
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 60.610 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

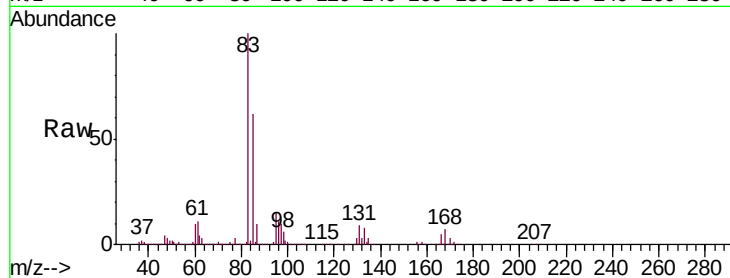
Tgt Ion: 83 Resp: 448050

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

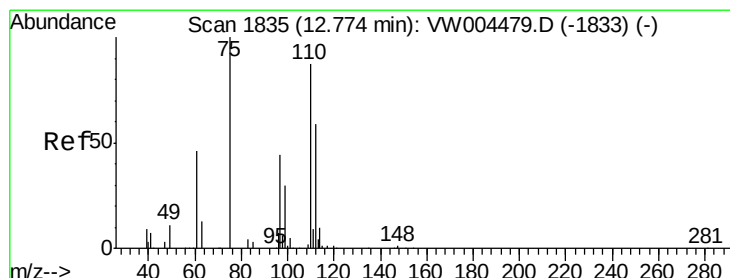
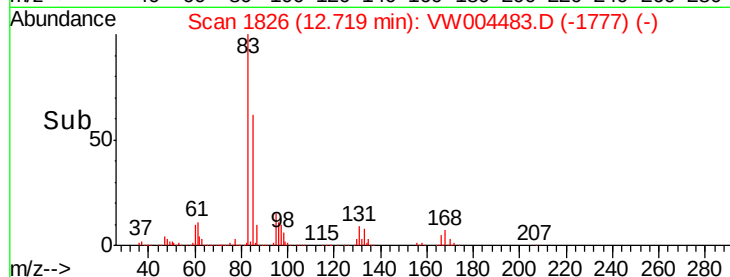
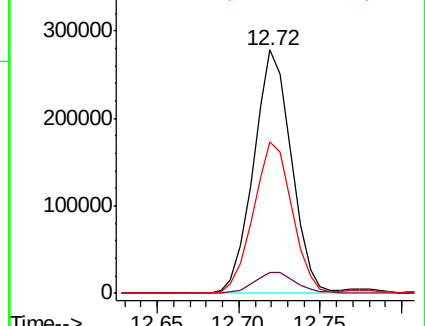
85 63.7 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 107.374 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004483.D

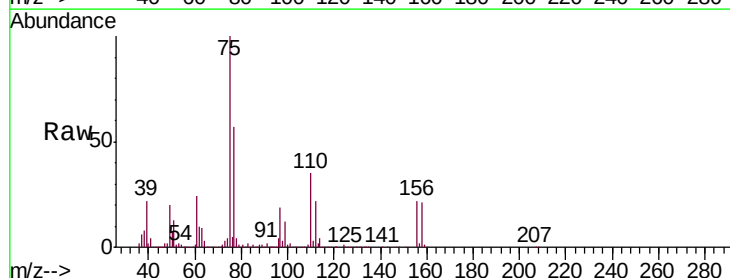
Acq: 06 Aug 2018 21:45

Tgt Ion: 75 Resp: 573747

Ion Ratio Lower Upper

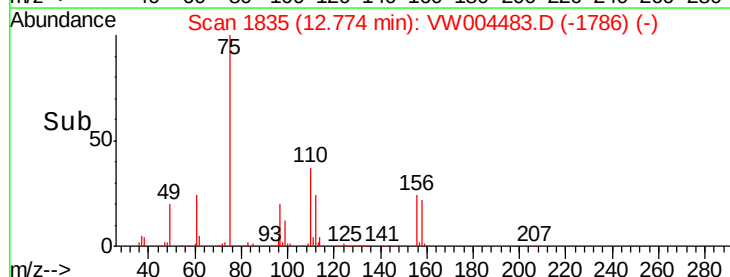
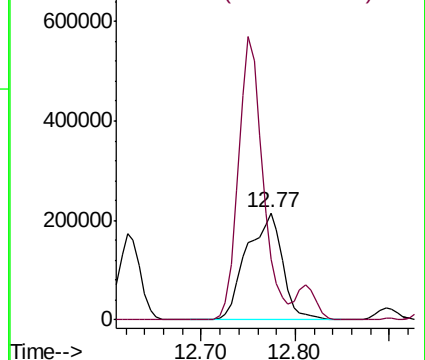
75 100

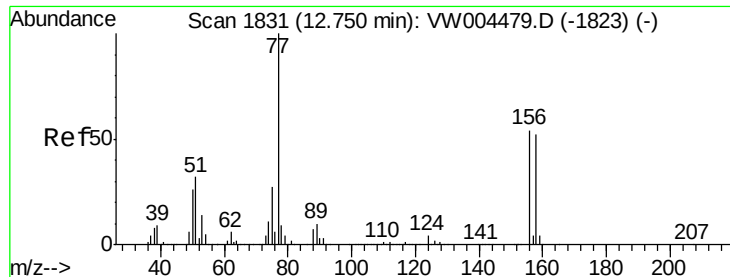
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.234 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

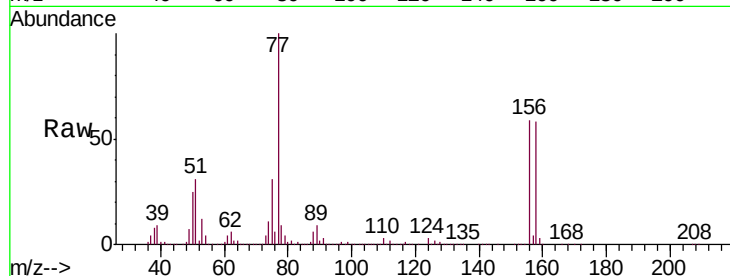
Tgt Ion:156 Resp: 518350

Ion Ratio Lower Upper

156 100

77 198.6 98.7 296.1

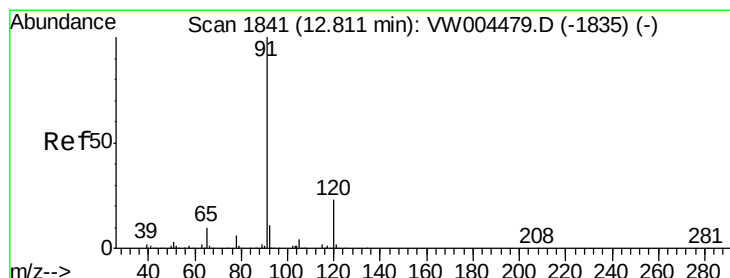
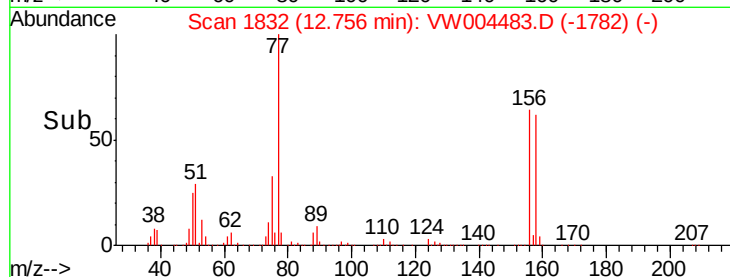
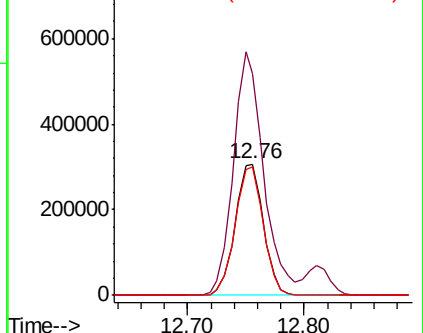
158 97.4 48.7 146.1



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: 54.290 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004483.D

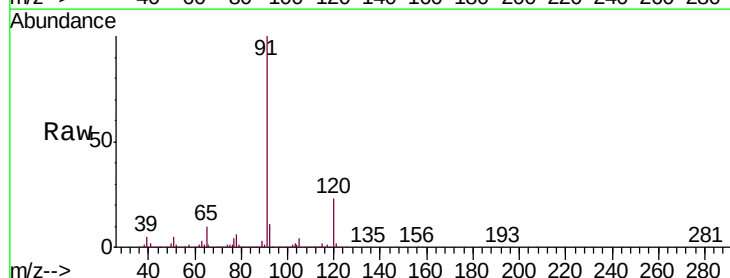
Acq: 06 Aug 2018 21:45

Tgt Ion: 91 Resp: 2722144

Ion Ratio Lower Upper

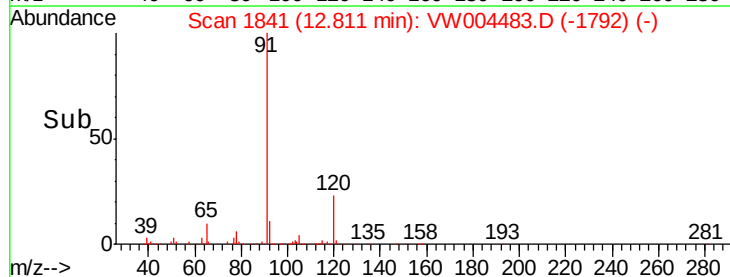
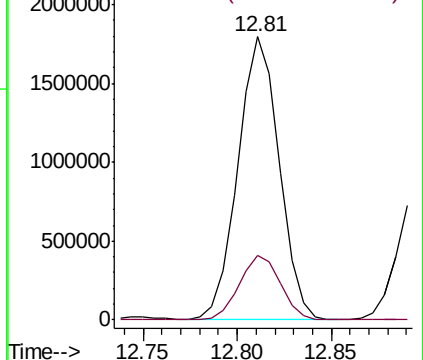
91 100

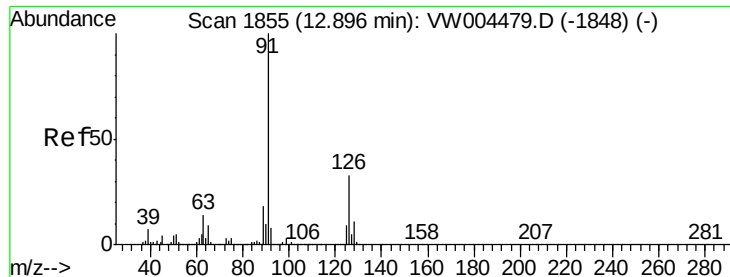
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.984 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

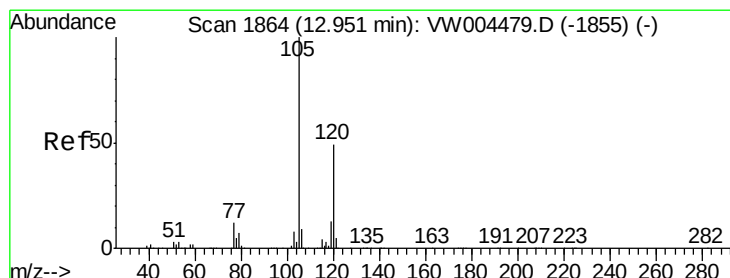
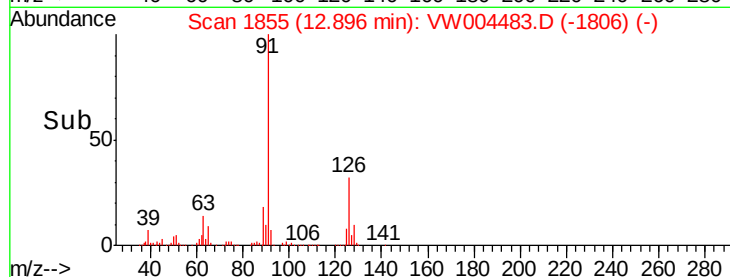
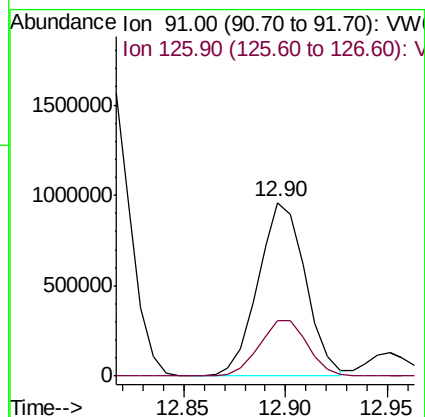
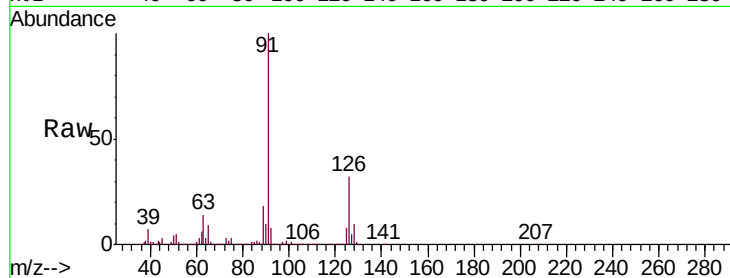
ICVW080618

Tgt Ion: 91 Resp: 1550968

Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 53.654 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004483.D

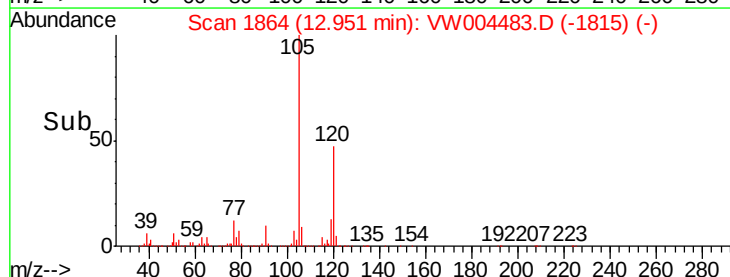
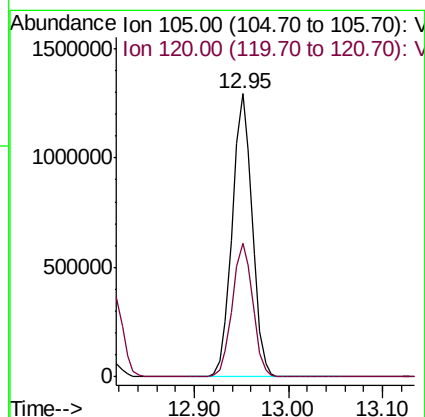
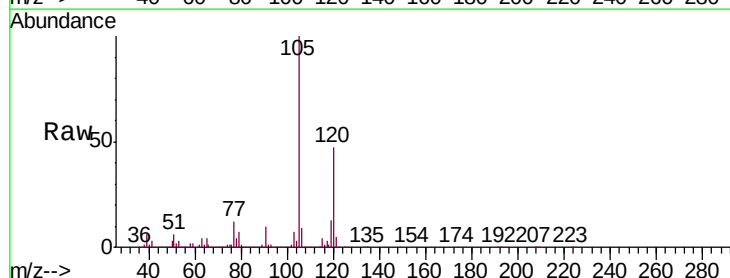
Acq: 06 Aug 2018 21:45

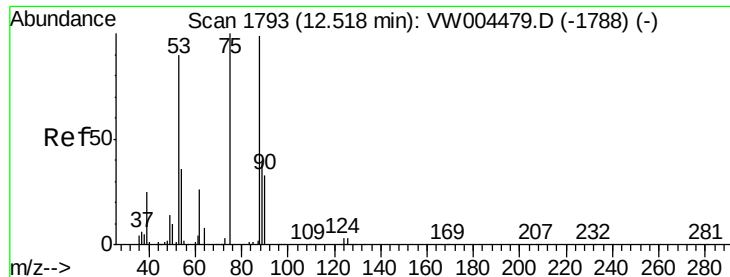
Tgt Ion: 105 Resp: 1905371

Ion Ratio Lower Upper

105 100

120 48.3 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 59.317 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

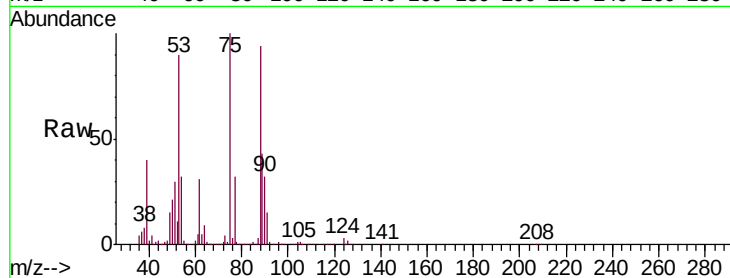
Tgt Ion: 75 Resp: 139756

Ion Ratio Lower Upper

75 100

53 90.0 74.4 111.6

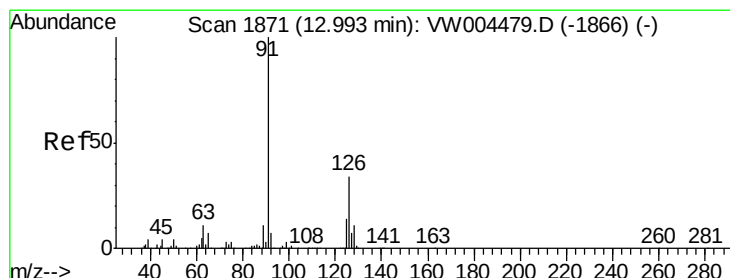
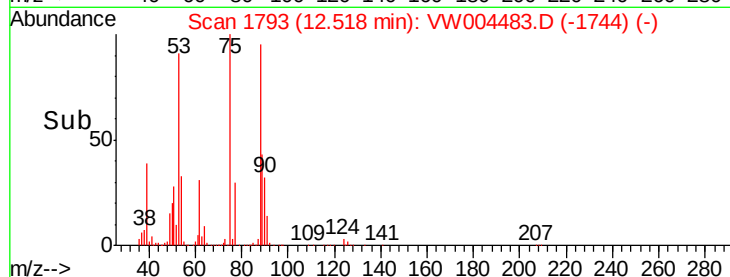
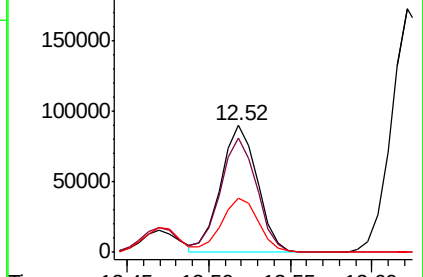
89 42.8 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 53.566 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004483.D

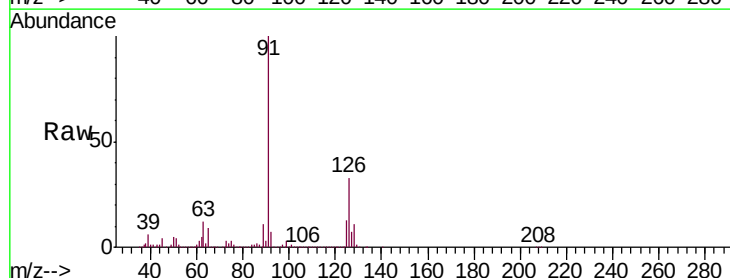
Acq: 06 Aug 2018 21:45

Tgt Ion: 91 Resp: 1637482

Ion Ratio Lower Upper

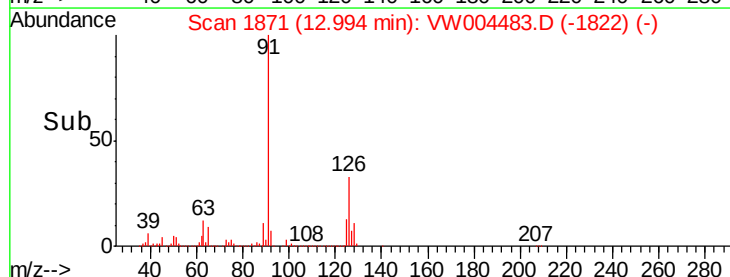
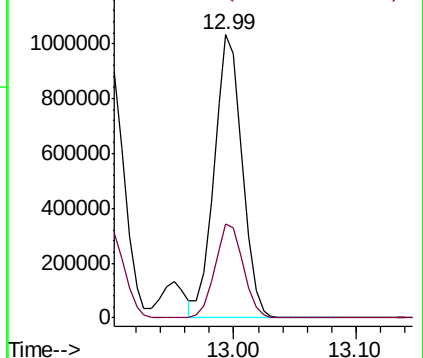
91 100

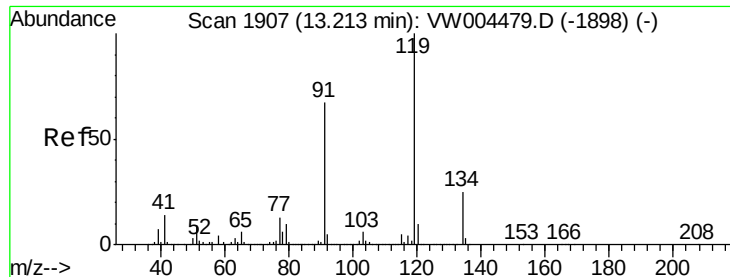
126 33.5 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 54.004 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

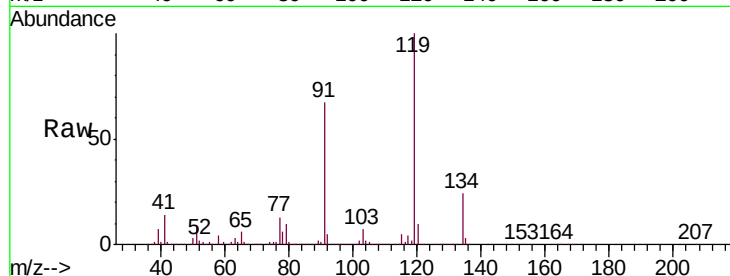
Tgt Ion:119 Resp: 1594855

Ion Ratio Lower Upper

119 100

91 66.7 33.3 99.8

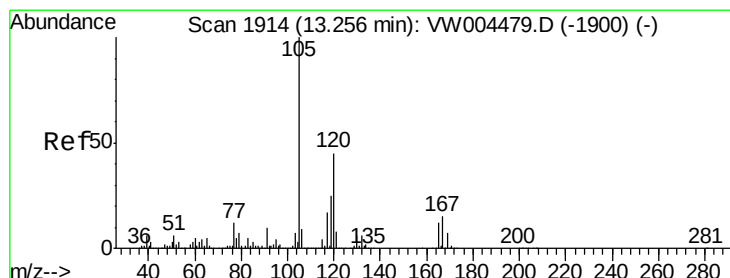
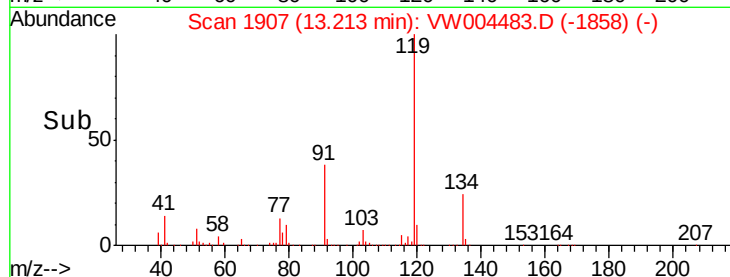
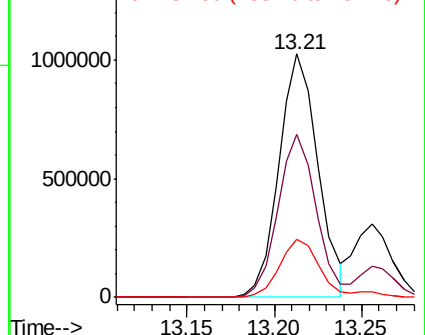
134 25.8 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.037 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VW004483.D

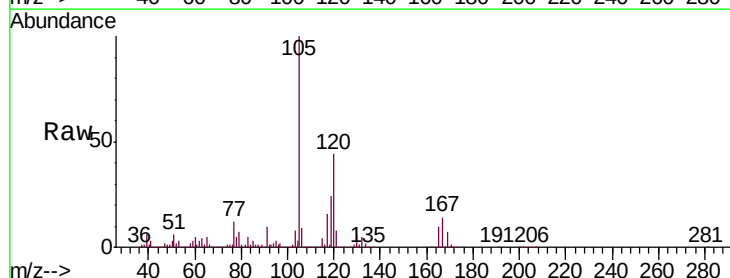
Acq: 06 Aug 2018 21:45

Tgt Ion:105 Resp: 1961612

Ion Ratio Lower Upper

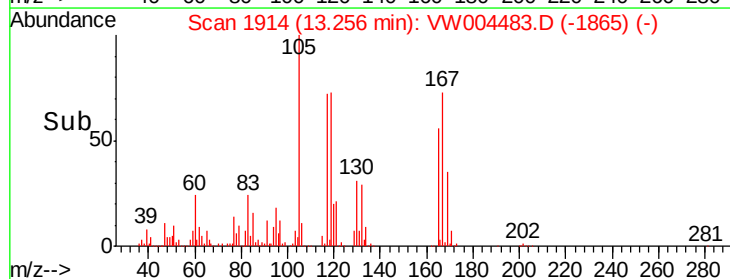
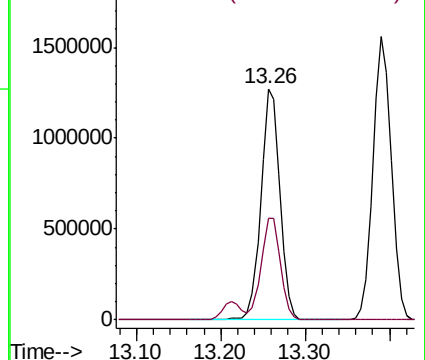
105 100

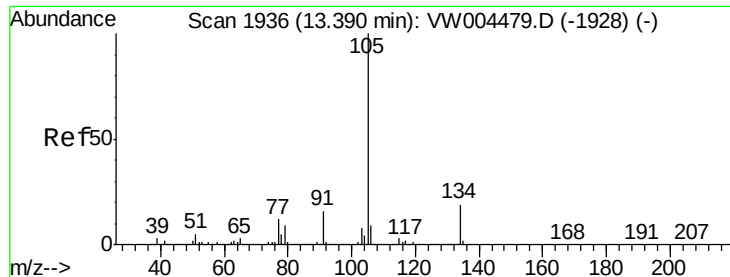
120 44.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

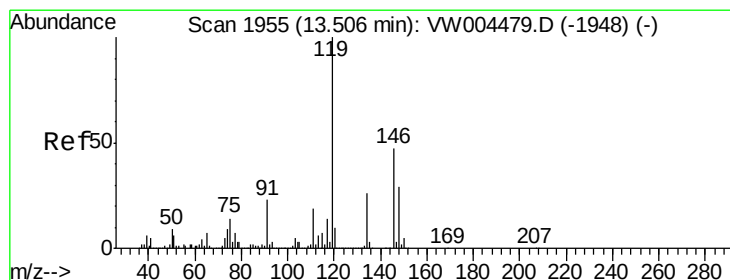
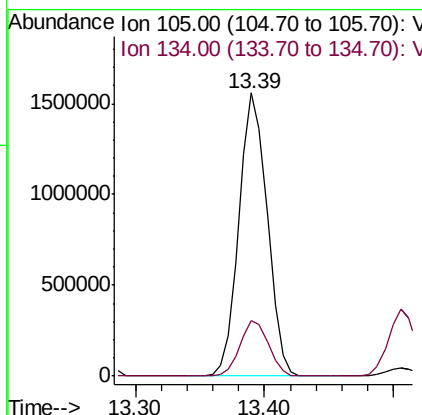
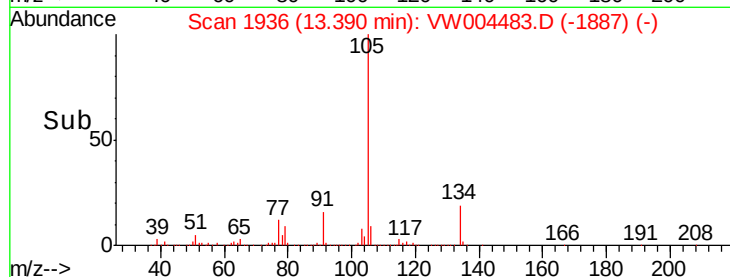
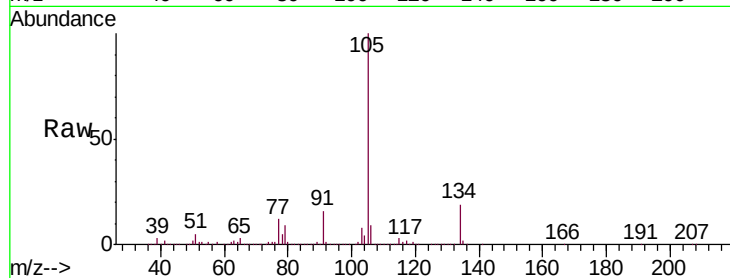




#85
 sec-Butylbenzene
 Concen: 54.818 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

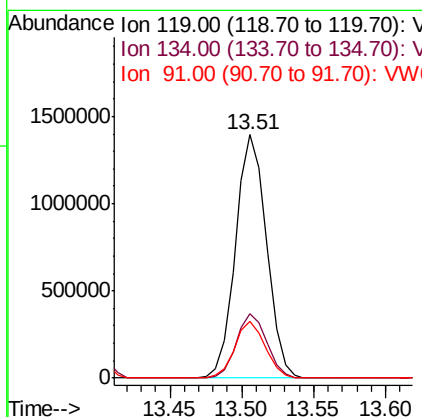
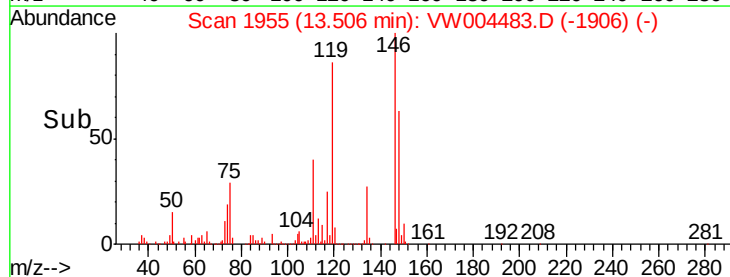
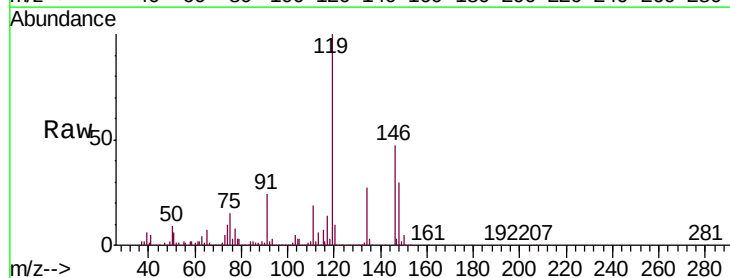
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW080618

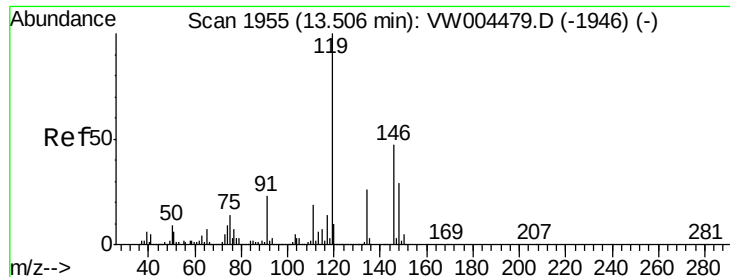
Tgt Ion:105 Resp: 2367650
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 53.862 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Tgt Ion:119 Resp: 2083023
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 22.9 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 52.227 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

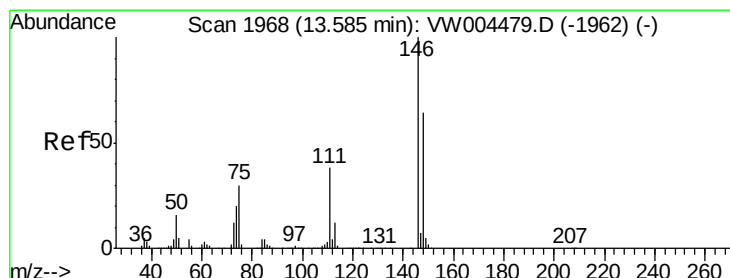
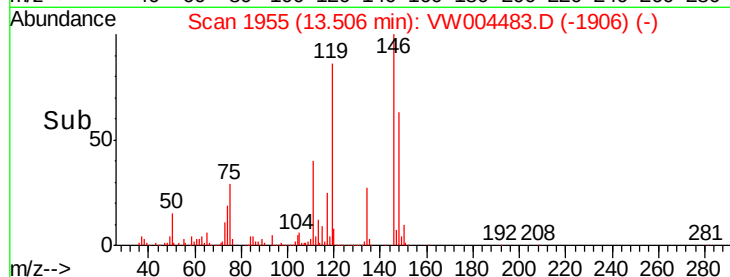
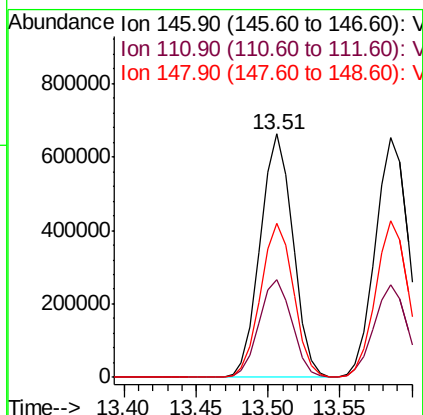
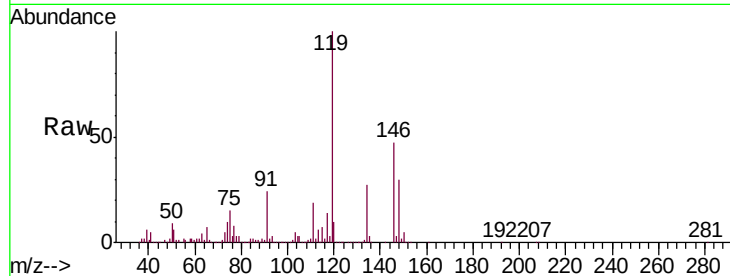
Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

Tgt Ion:146 Resp: 1043175

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	63.5	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 51.825 ug/l

RT: 13.59 min Scan# 1968

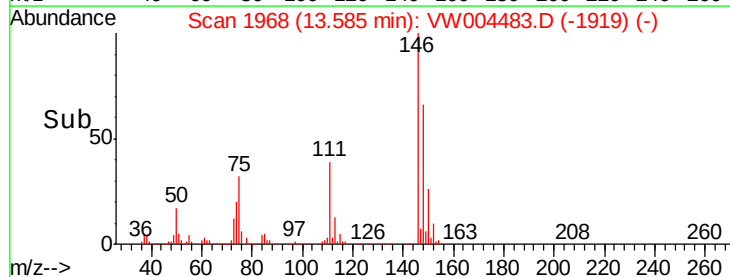
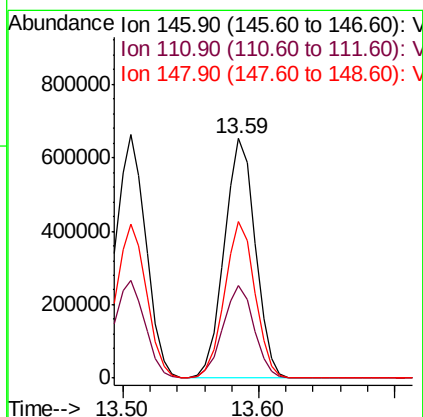
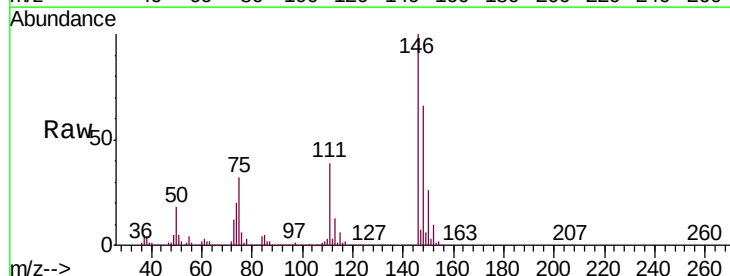
Delta R.T. 0.00 min

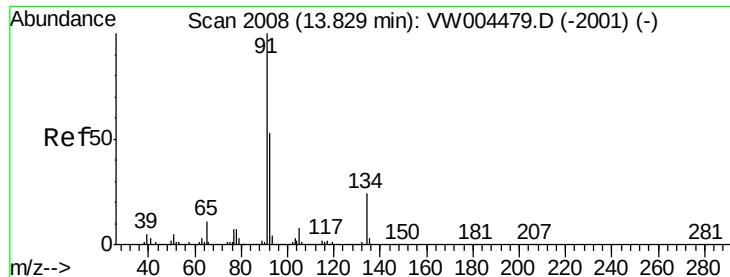
Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Tgt Ion:146 Resp: 1032306

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.8
148	64.1	31.9	95.5





#89

n-Butylbenzene

Concen: 56.000 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004483.D

Acq: 06 Aug 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW080618

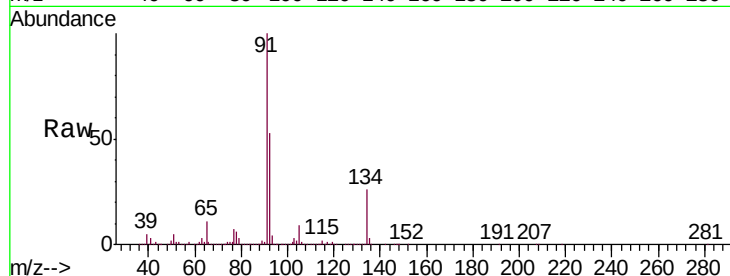
Tgt Ion: 91 Resp: 2041412

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.0

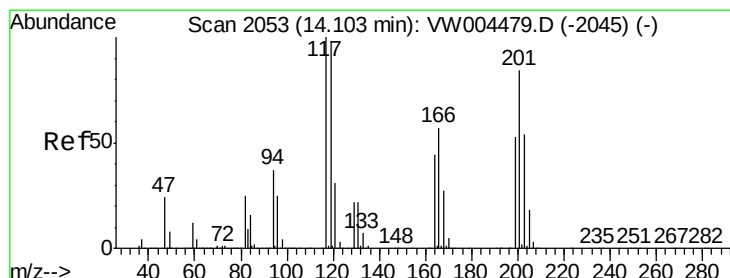
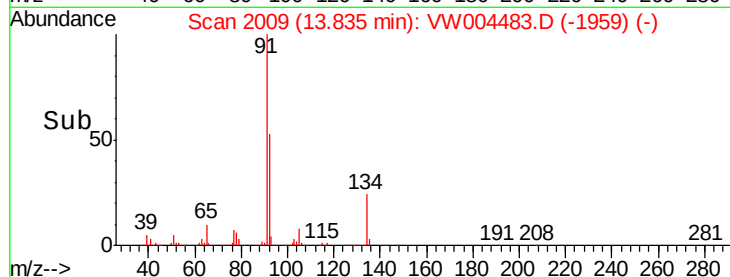
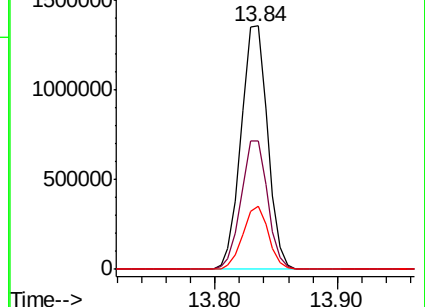
134 25.1 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.639 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004483.D

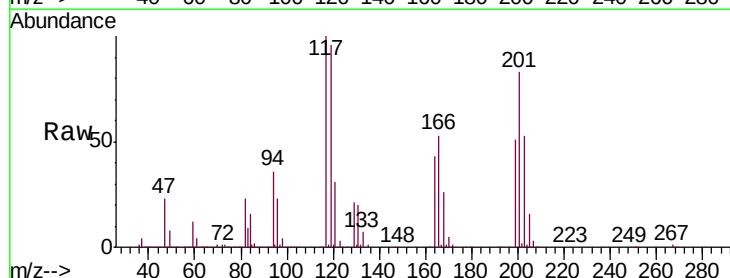
Acq: 06 Aug 2018 21:45

Tgt Ion: 117 Resp: 370880

Ion Ratio Lower Upper

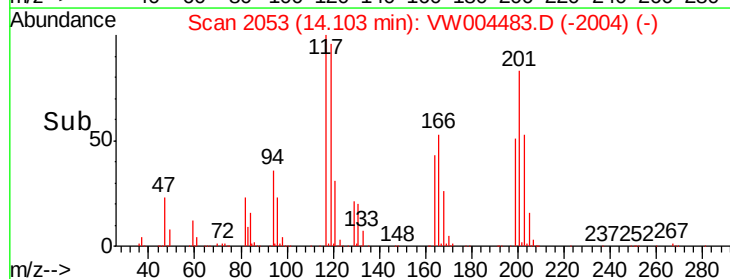
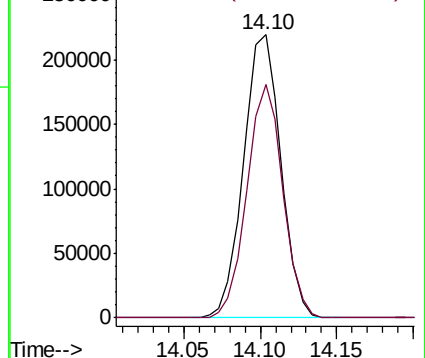
117 100

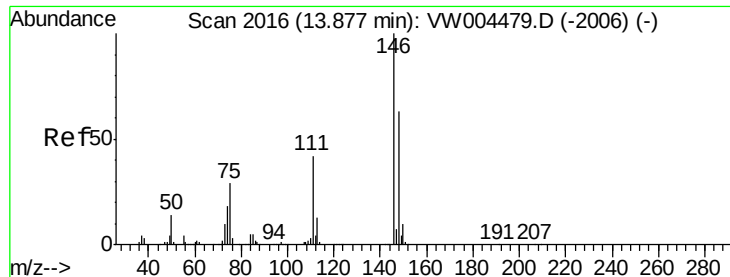
201 79.9 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

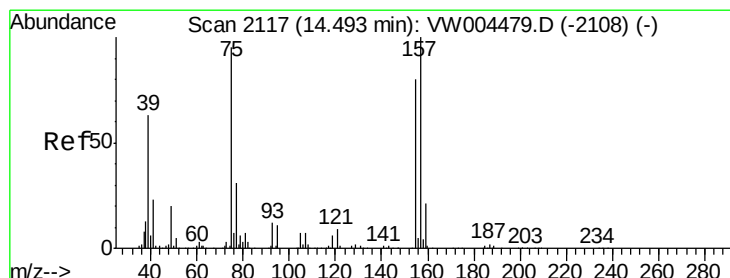
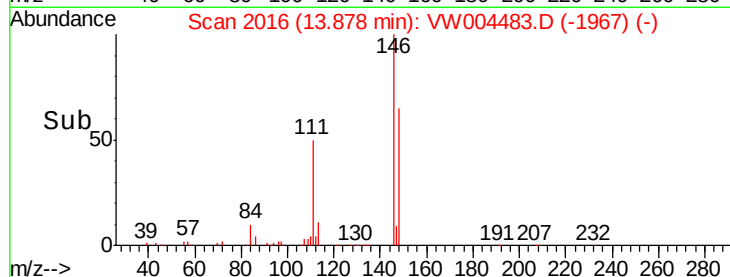
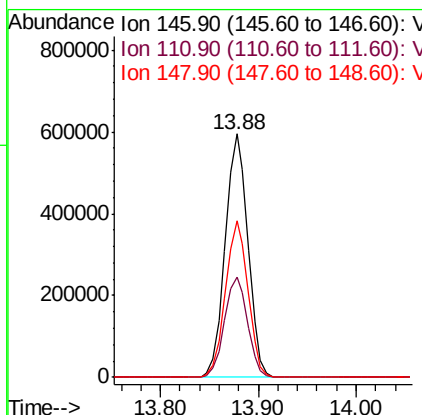
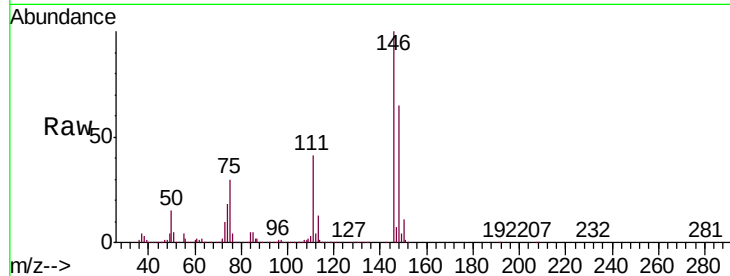




#91
 1,2-Dichlorobenzene
 Concen: 53.336 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

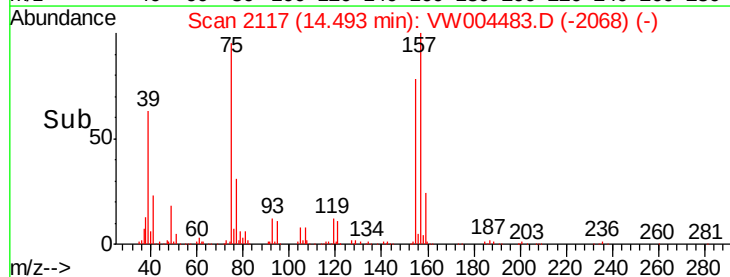
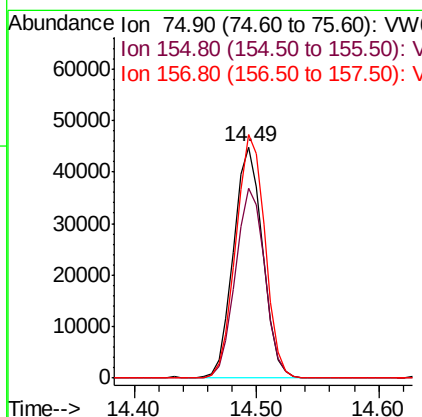
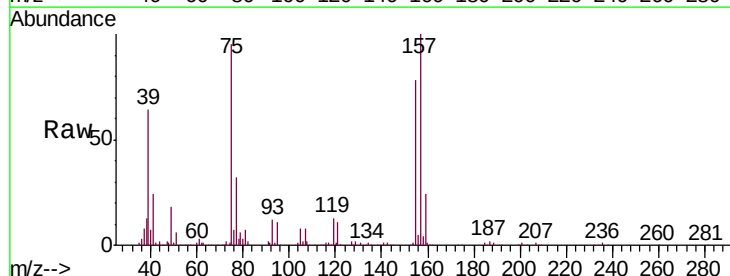
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW080618

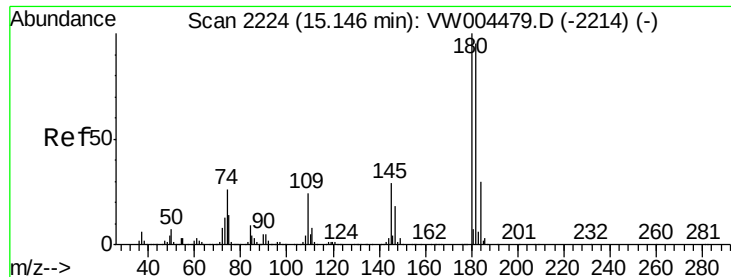
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.2
148	63.9	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.664 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	41.3	123.7
157	105.1	52.6	157.8

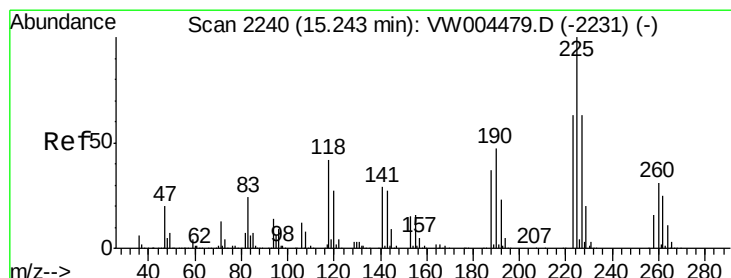
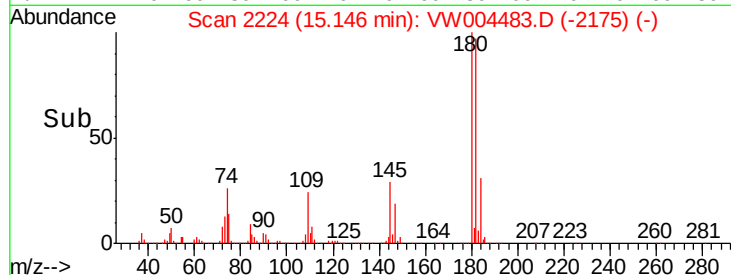
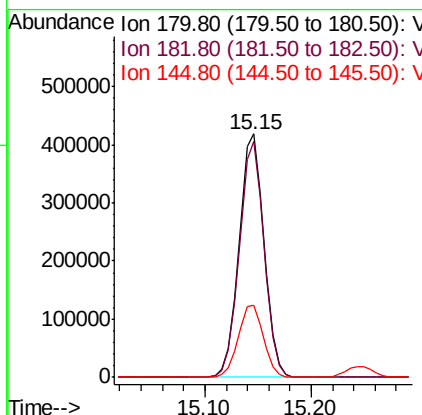
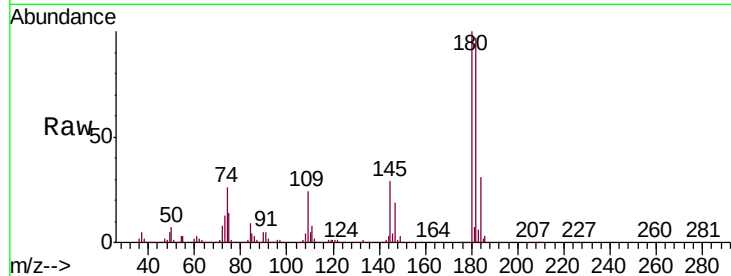




#93
 1,2,4-Trichlorobenzene
 Concen: 54.882 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

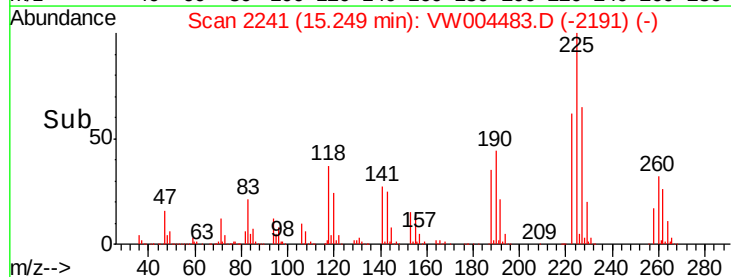
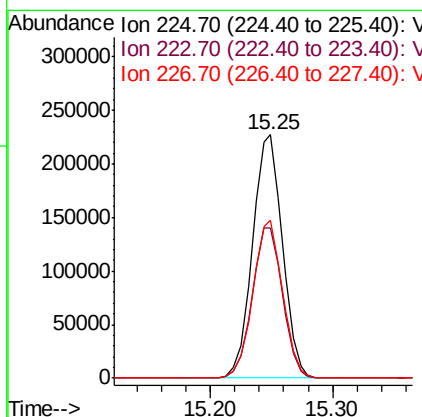
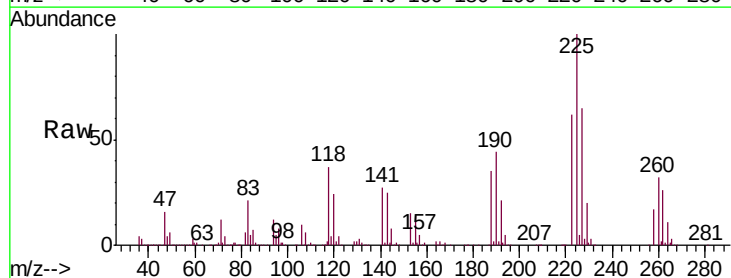
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW080618

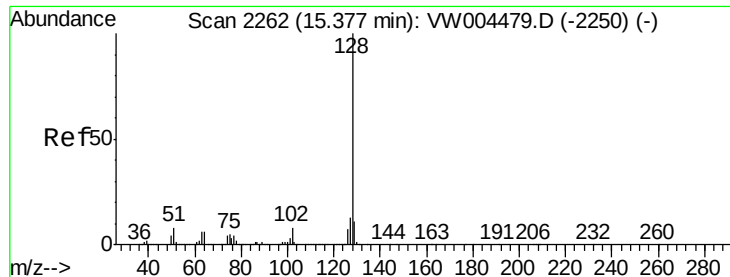
Tgt Ion:180 Resp: 689279
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.6
 145 29.9 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 50.586 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW004483.D
 Acq: 06 Aug 2018 21:45

Tgt Ion:225 Resp: 386198
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.3 93.8
 227 64.2 31.8 95.4

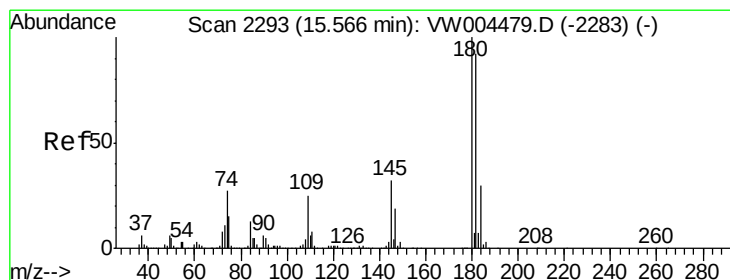
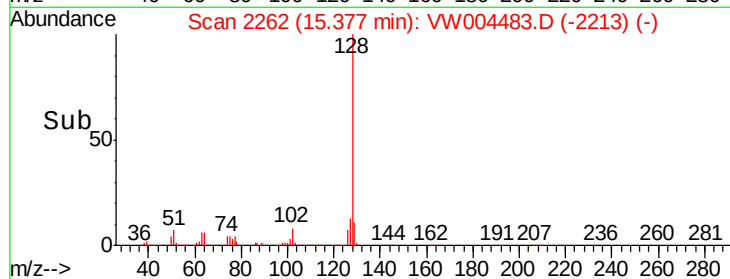
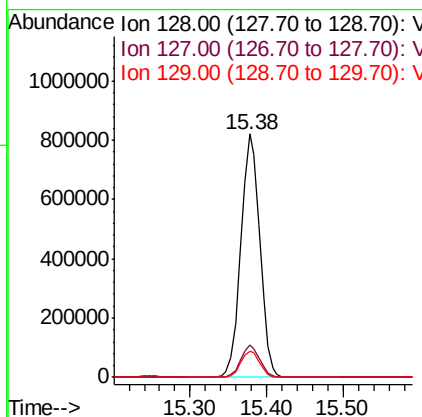
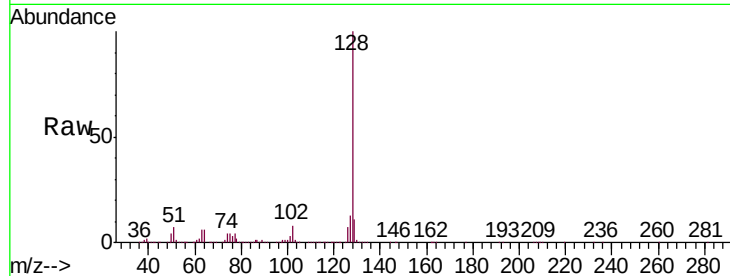




#95
Naphthalene
Concen: 63.675 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW080618

Tgt Ion:128 Resp: 1401162
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 56.115 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004483.D
Acq: 06 Aug 2018 21:45

Tgt Ion:180 Resp: 621053
Ion Ratio Lower Upper
180 100
182 96.0 47.0 141.2
145 32.0 15.9 47.6

