

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080618\
 Data File : VW004479.D
 Acq On : 06 Aug 2018 19:35
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 07 07:56:51 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	783776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1210751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1136963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	604647	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	445099	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	7.88	113	420363	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	10.33	98	1634591	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
62) 4-Bromofluorobenzene	12.62	95	593463	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	264642	83.315	ug/l 100
3) Chloromethane	2.21	50	355073	70.851	ug/l 100
4) Vinyl Chloride	2.37	62	494721	60.984	ug/l 100
5) Bromomethane	2.78	94	290967	55.759	ug/l 100
6) Chloroethane	2.92	64	308772	60.918	ug/l 100
7) Trichlorofluoromethane	3.25	101	192617	43.037	ug/l 100
8) Diethyl Ether	3.67	74	235402	55.821	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	418795	52.559	ug/l 100
10) Methyl Iodide	4.27	142	625968	52.755	ug/l 100
11) Tert butyl alcohol	5.21	59	117577	204.613	ug/l 100
12) 1,1-Dichloroethene	4.03	96	411712	51.961	ug/l 100
13) Acrolein	3.89	56	150118	283.446	ug/l 100
14) Allyl chloride	4.66	41	648605	51.674	ug/l 100
15) Acrylonitrile	5.37	53	539368	293.437	ug/l 100
16) Acetone	4.14	43	505565	277.041	ug/l 100
17) Carbon Disulfide	4.38	76	1342653	54.769	ug/l 100
18) Methyl Acetate	4.67	43	260038	54.506	ug/l 100
19) Methyl tert-butyl Ether	5.43	73	613293	45.018	ug/l 100
20) Methylene Chloride	4.91	84	516490	58.573	ug/l 100
21) trans-1,2-Dichloroethene	5.42	96	460321	54.089	ug/l 100
22) Diisopropyl ether	6.31	45	1385655	57.552	ug/l 100
23) Vinyl Acetate	6.26	43	4240805	300.953	ug/l 100
24) 1,1-Dichloroethane	6.21	63	840086	53.995	ug/l 100
25) 2-Butanone	7.18	43	867272	365.614	ug/l 100
26) 2,2-Dichloropropane	7.17	77	424226	48.270	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	499127	57.298	ug/l 100
28) Bromochloromethane	7.51	49	358420	63.326	ug/l 100
29) Tetrahydrofuran	7.54	42	463832	318.007	ug/l 100
30) Chloroform	7.68	83	818025	55.168	ug/l 100
31) Cyclohexane	7.96	56	794945	57.571	ug/l 100
32) 1,1,1-Trichloroethane	7.87	97	612091	50.999	ug/l 100
36) 1,1-Dichloropropene	8.08	75	667758	54.509	ug/l 100
37) Ethyl Acetate	7.26	43	302964	59.660	ug/l 100
38) Carbon Tetrachloride	8.07	117	587019	49.116	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	849491	57.069	ug/l	100
40) Benzene	8.32	78	1926427	55.647	ug/l	100
41) Methacrylonitrile	7.49	41	175211	60.296	ug/l	100
42) 1,2-Dichloroethane	8.40	62	525137	53.345	ug/l	100
43) Isopropyl Acetate	8.43	43	543529	59.607	ug/l	100
44) Trichloroethene	9.09	130	471709	51.020	ug/l	100
45) 1,2-Dichloropropane	9.37	63	483843	56.304	ug/l	100
46) Dibromomethane	9.46	93	244753	55.636	ug/l	100
47) Bromodichloromethane	9.65	83	579766	52.638	ug/l	100
48) Methyl methacrylate	9.44	41	261933	56.859	ug/l	100
49) 1,4-Dioxane	9.47	88	75561	1130.280	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	1933278	364.119	ug/l	100
52) Toluene	10.39	92	1150768	53.321	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	593047	53.763	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	697701	54.212	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	344985	55.218	ug/l	100
56) Ethyl methacrylate	10.65	69	450665	59.343	ug/l	100
57) 1,3-Dichloropropane	10.94	76	603189	56.481	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1104290	317.712	ug/l	100
59) 2-Hexanone	10.98	43	1317275	362.522	ug/l	100
60) Dibromochloromethane	11.13	129	383850	51.748	ug/l	100
61) 1,2-Dibromoethane	11.24	107	328471	55.032	ug/l	100
64) Tetrachloroethene	10.87	164	393862	47.609	ug/l	100
65) Chlorobenzene	11.66	112	1246055	52.040	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	427383	50.549	ug/l	100
67) Ethyl Benzene	11.74	91	2223559	53.056	ug/l	100
68) m/p-Xylenes	11.85	106	1708993	106.265	ug/l	100
69) o-Xylene	12.17	106	805654	54.174	ug/l	100
70) Styrene	12.19	104	1379008	54.675	ug/l	100
71) Bromoform	12.35	173	237192	50.174	ug/l	100
73) Isopropylbenzene	12.47	105	2205527	52.292	ug/l	100
74) N-amyl acetate	12.28	43	529857	57.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	440604	58.285	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	567830	103.918	ug/l #	100
77) Bromobenzene	12.75	156	516525	50.900	ug/l	100
78) n-propylbenzene	12.81	91	2744780	53.532	ug/l	100
79) 2-Chlorotoluene	12.90	91	1555242	52.936	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1904516	52.445	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	134047	55.637	ug/l	100
82) 4-Chlorotoluene	12.99	91	1652051	52.848	ug/l	100
83) tert-Butylbenzene	13.21	119	1605746	53.171	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1968114	53.018	ug/l	100
85) sec-Butylbenzene	13.39	105	2390522	54.124	ug/l	100
86) p-Isopropyltoluene	13.51	119	2099695	53.094	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1056696	51.734	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1036047	50.863	ug/l	100
89) n-Butylbenzene	13.83	91	2055834	55.149	ug/l	100
90) Hexachloroethane	14.10	117	365262	51.659	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	956339	52.218	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	69918	53.422	ug/l	100

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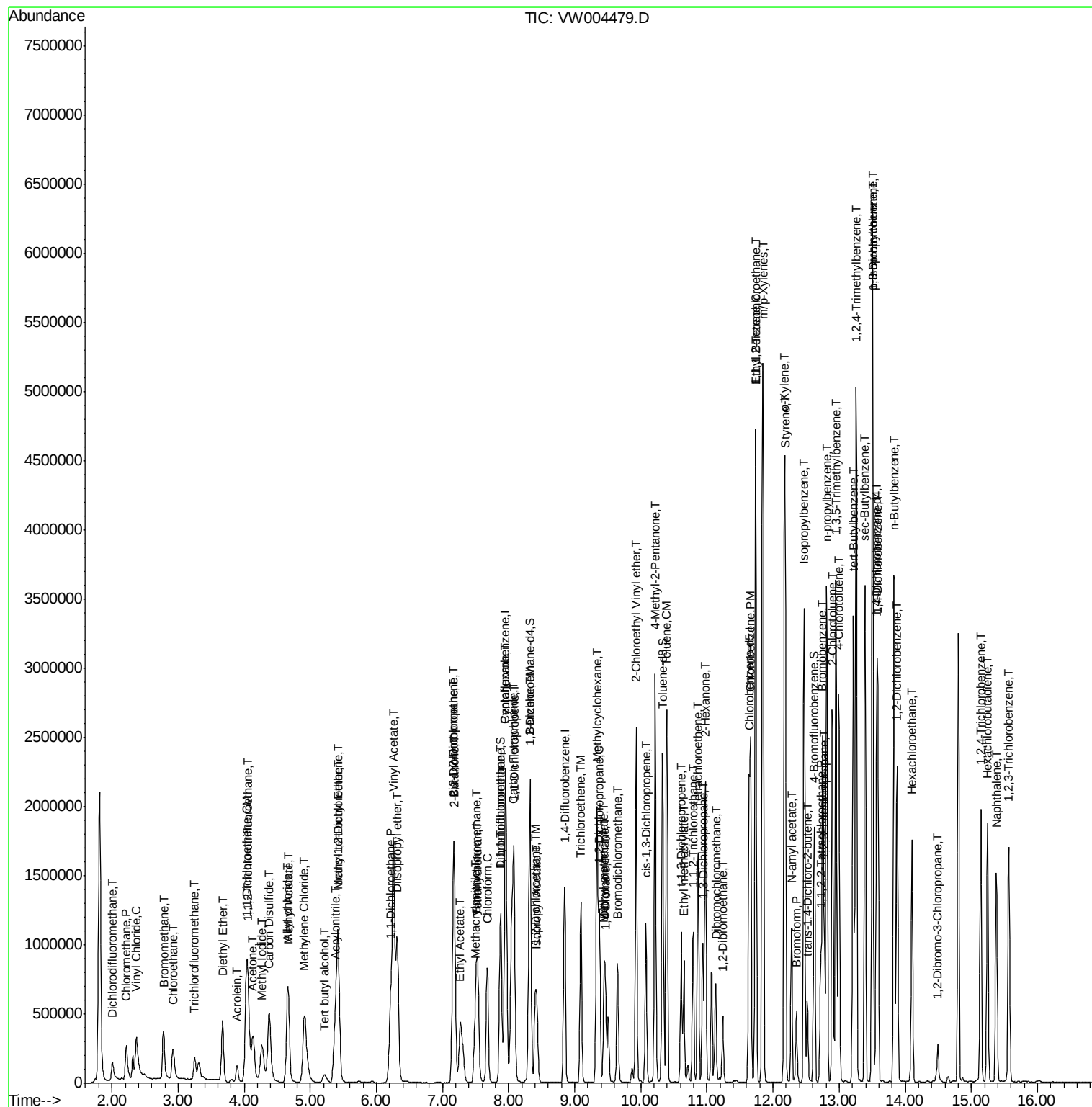
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	668187	52.027	ug/l	100
94) Hexachlorobutadiene	15.24	225	385013	49.316	ug/l	100
95) Naphthalene	15.38	128	1302946	57.903	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	602417	53.228	ug/l	100

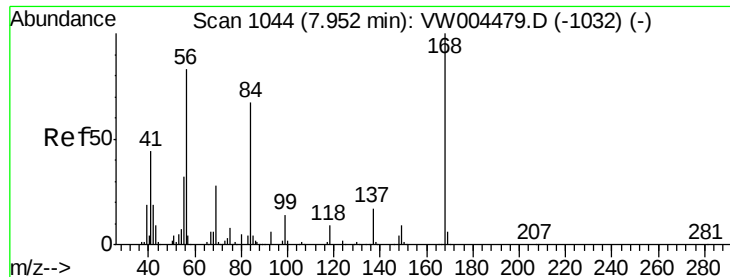
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

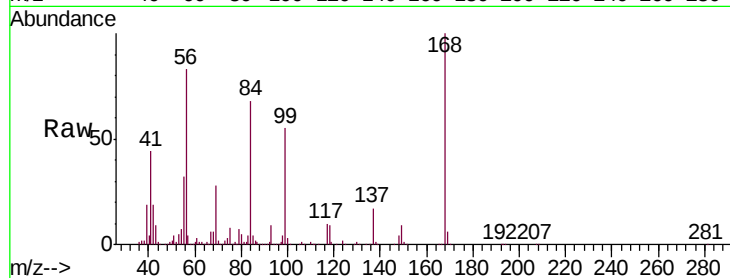
VSTDICCC050

Tgt Ion:168 Resp: 783776

Ion Ratio Lower Upper

168 100

99 55.1 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

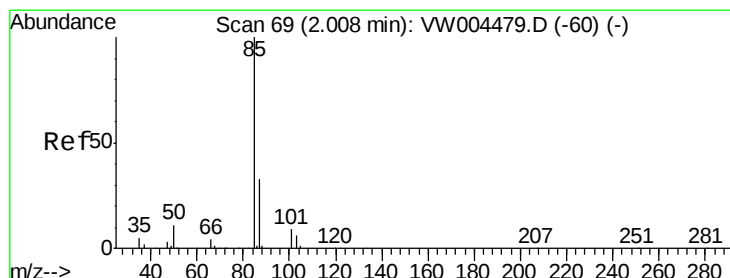
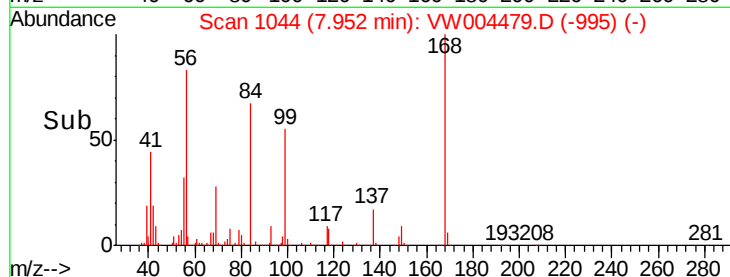
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 83.315 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004479.D

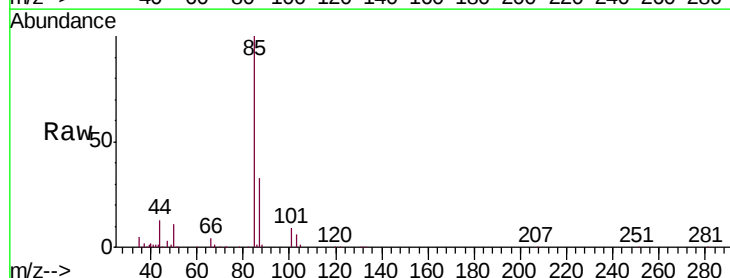
Acq: 06 Aug 2018 19:35

Tgt Ion: 85 Resp: 264642

Ion Ratio Lower Upper

85 100

87 33.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80000

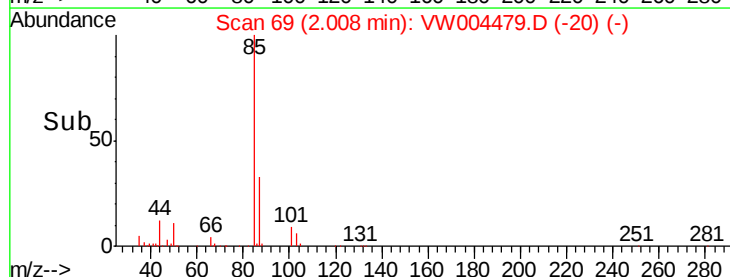
60000

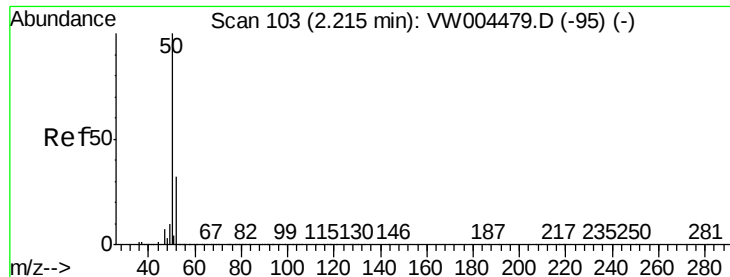
40000

20000

0

Time--> 1.80 2.00 2.20

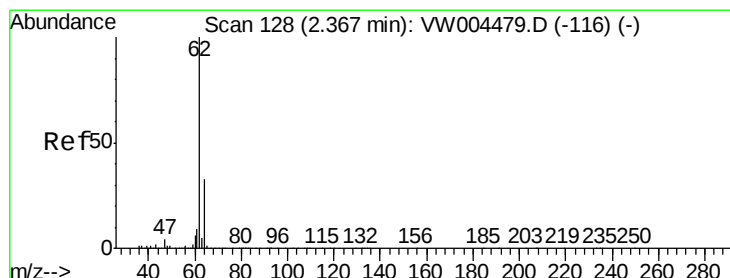
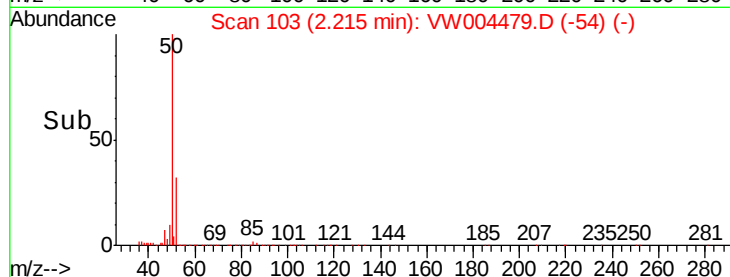
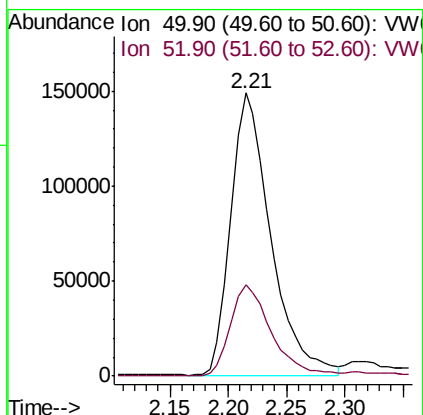
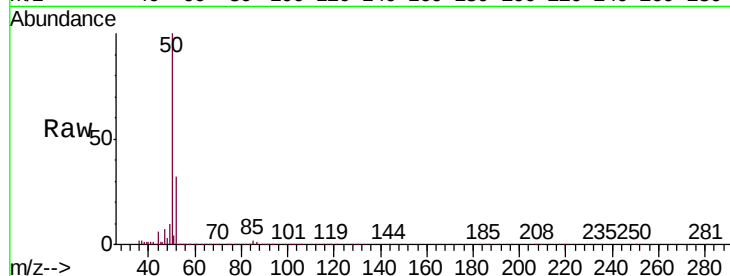




#3
 Chloromethane
 Concen: 70.851 ug/l
 RT: 2.21 min Scan# 103
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

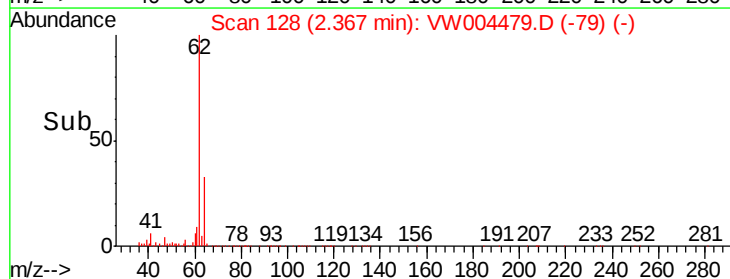
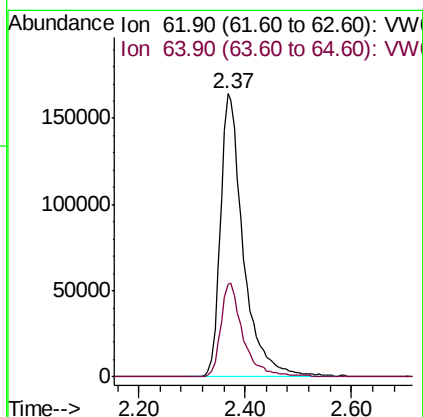
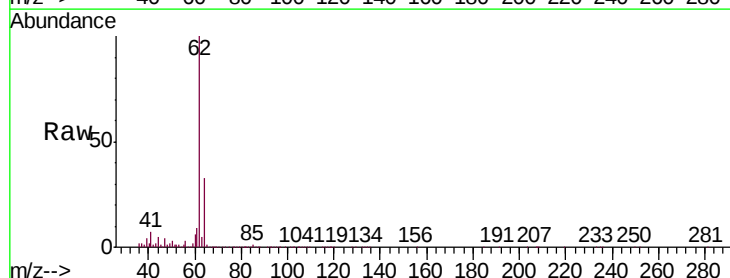
Instrument :
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 ClientSampleId :
 VSTDICCC050

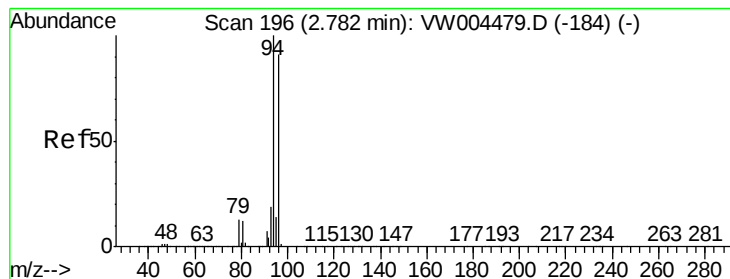
Tgt Ion: 50 Resp: 355073
 Ion Ratio Lower Upper
 50 100
 52 32.3 25.8 38.8



#4
 Vinyl Chloride
 Concen: 60.984 ug/l
 RT: 2.37 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion: 62 Resp: 494721
 Ion Ratio Lower Upper
 62 100
 64 32.7 26.2 39.2





#5

Bromomethane

Concen: 55.759 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

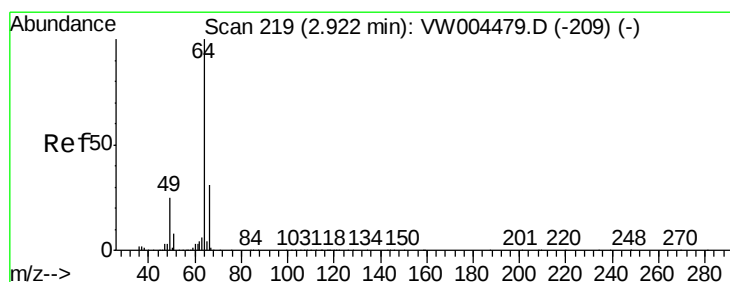
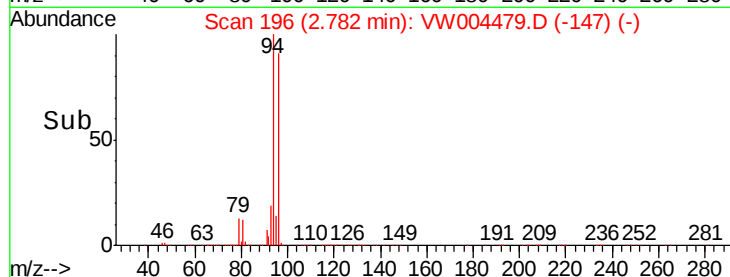
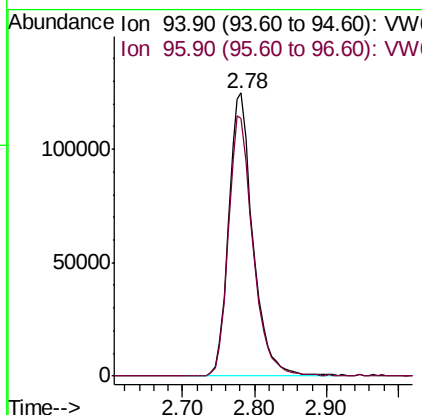
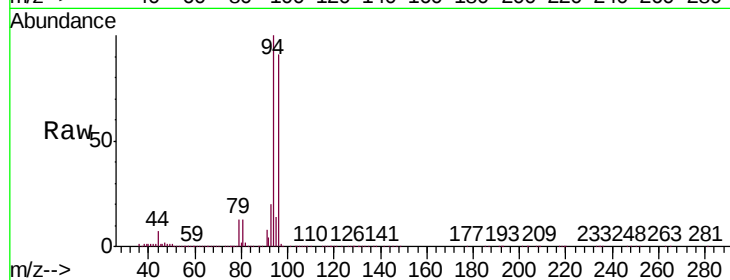
VSTDICCC050

Tgt Ion: 94 Resp: 290967

Ion Ratio Lower Upper

94 100

96 91.1 72.9 109.3



#6

Chloroethane

Concen: 60.918 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004479.D

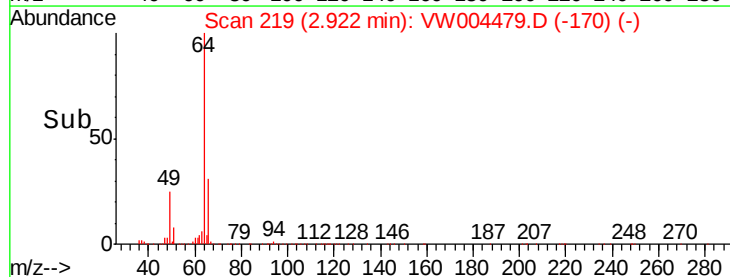
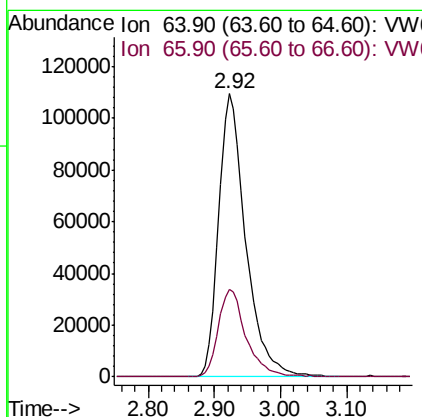
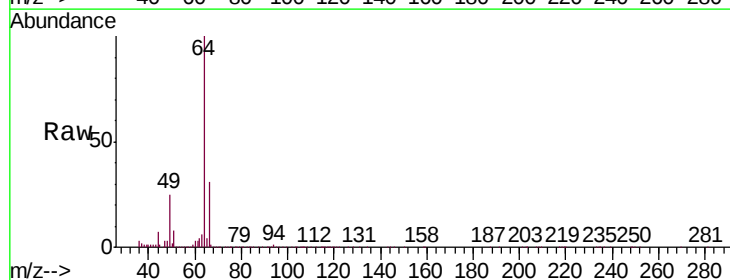
Acq: 06 Aug 2018 19:35

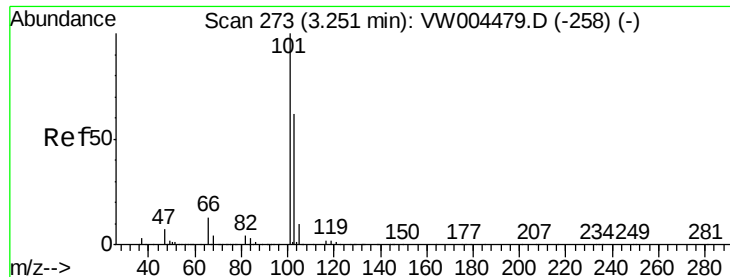
Tgt Ion: 64 Resp: 308772

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8



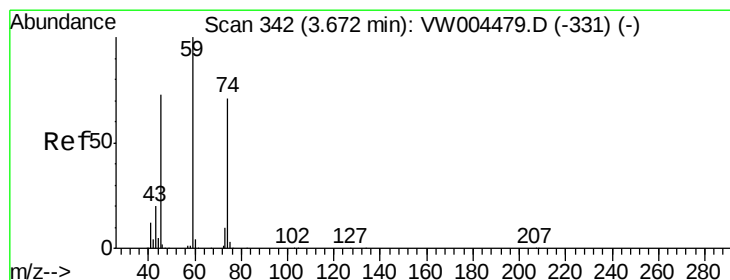
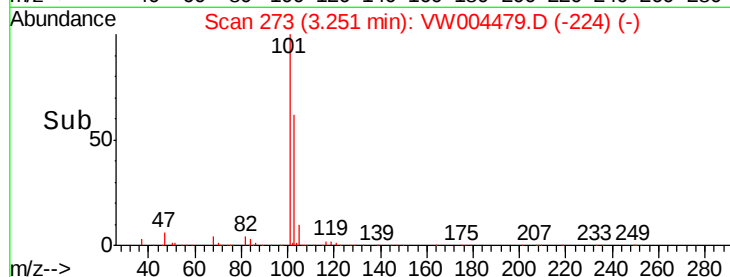
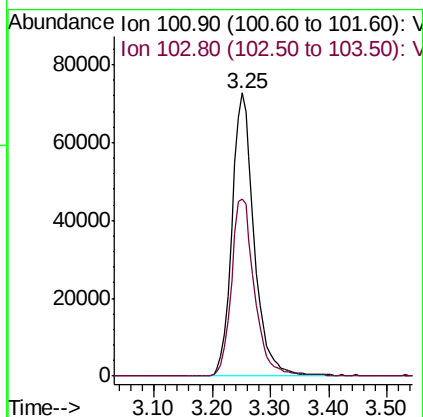
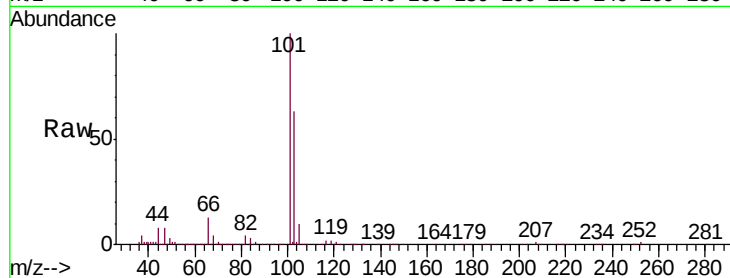


#7

Trichlorofluoromethane
 Concen: 43.037 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
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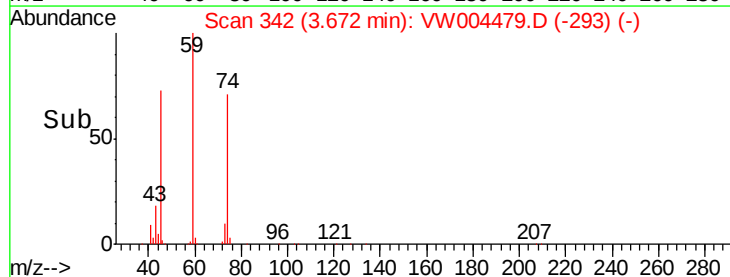
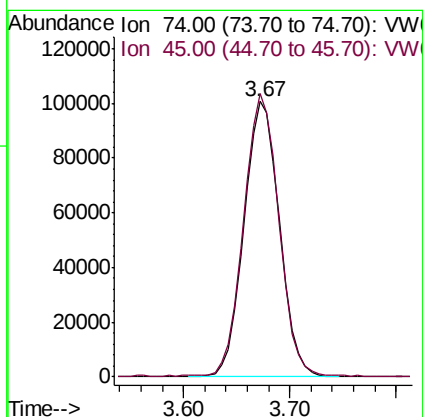
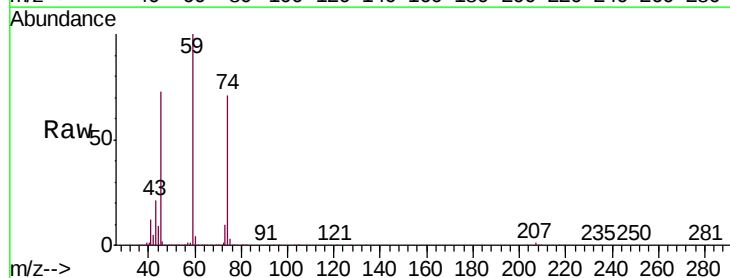
Tgt Ion: 101 Resp: 192617
 Ion Ratio Lower Upper
 101 100
 103 62.3 49.8 74.8

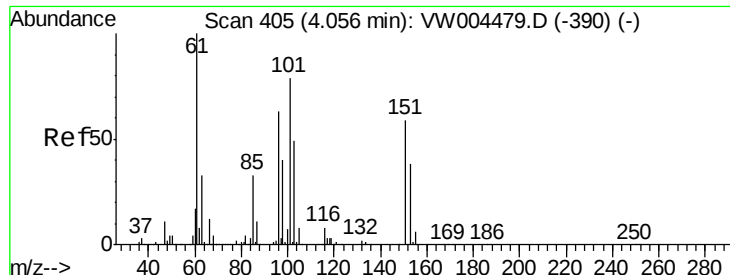


#8

Diethyl Ether
 Concen: 55.821 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion: 74 Resp: 235402
 Ion Ratio Lower Upper
 74 100
 45 102.5 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.559 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

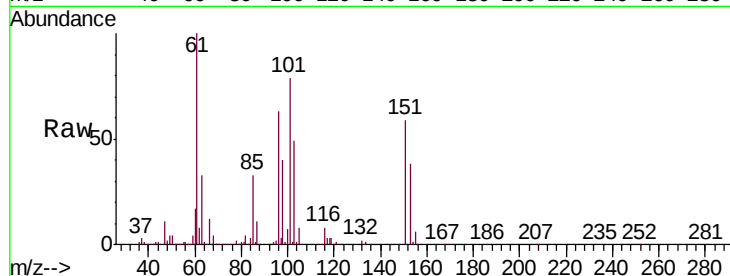
Tgt Ion:101 Resp: 418795

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

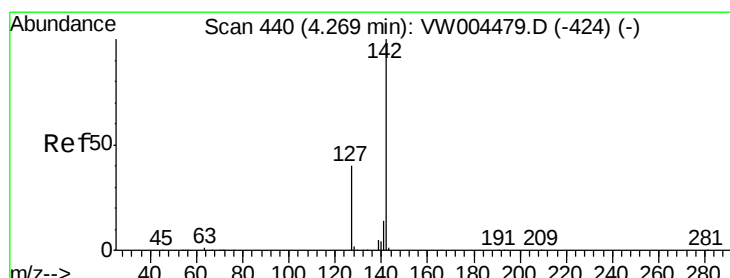
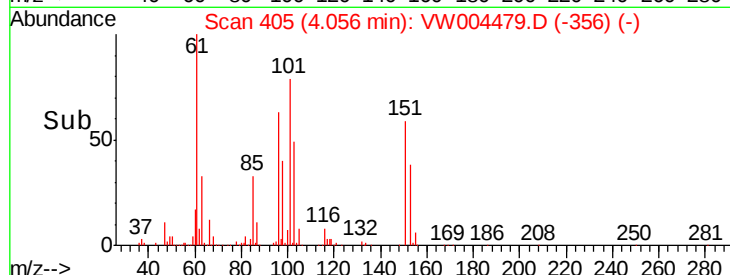
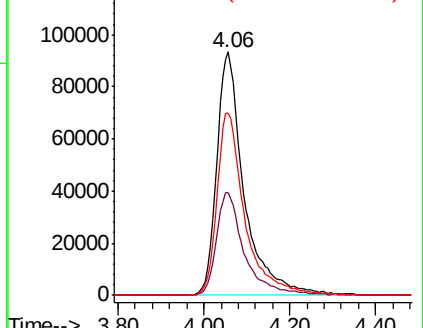
151 76.6 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.755 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

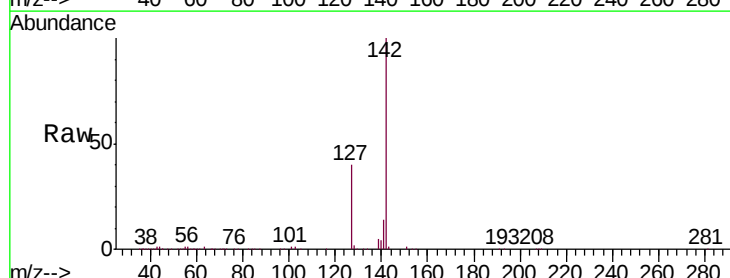
Tgt Ion:142 Resp: 625968

Ion Ratio Lower Upper

142 100

127 40.9 32.7 49.1

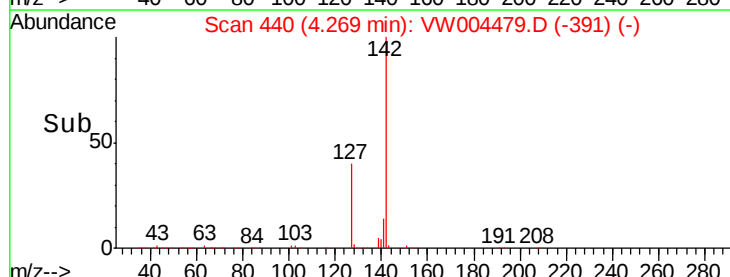
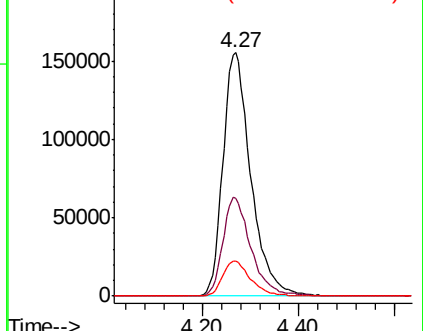
141 14.4 11.5 17.3

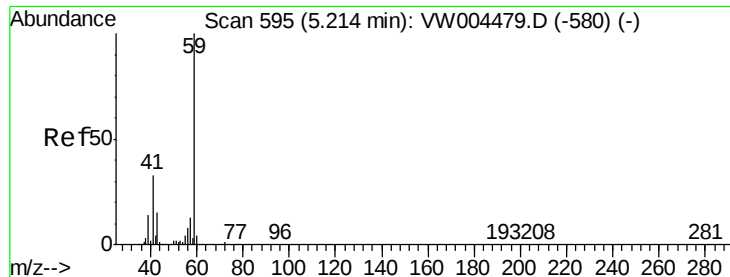


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

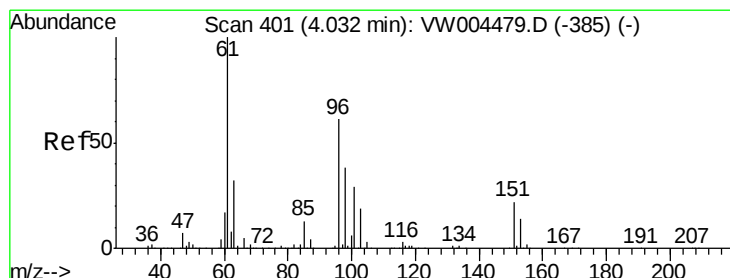
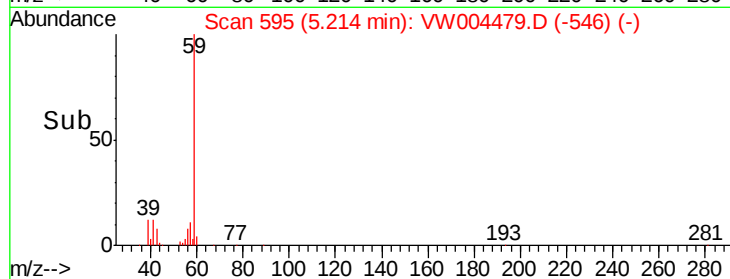
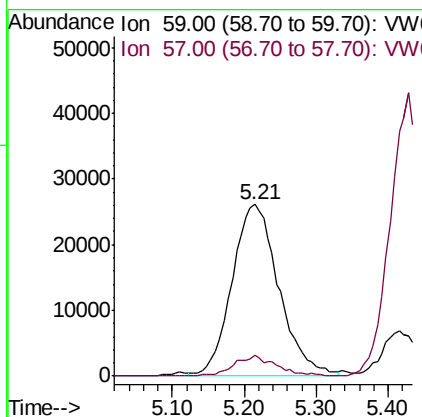
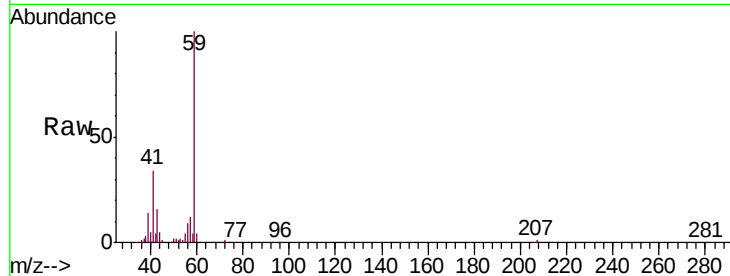




#11
Tert butyl alcohol
Concen: 204.613 ug/l
RT: 5.21 min Scan# 595
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

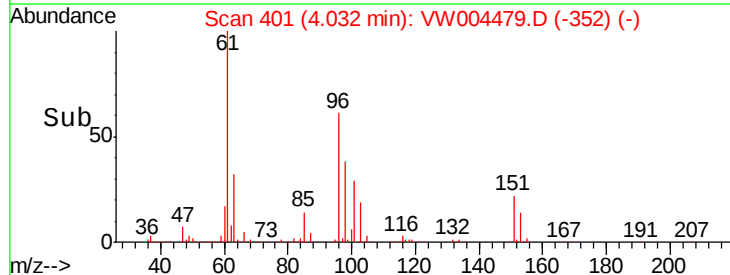
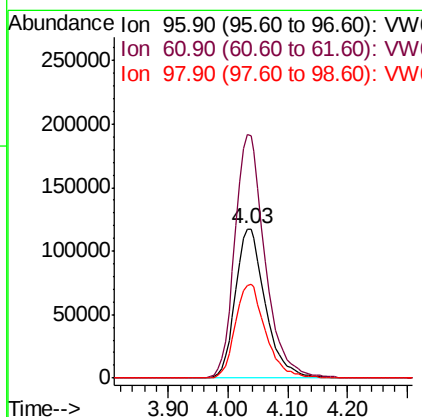
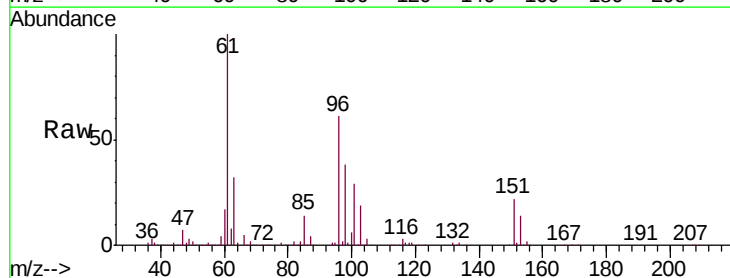
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

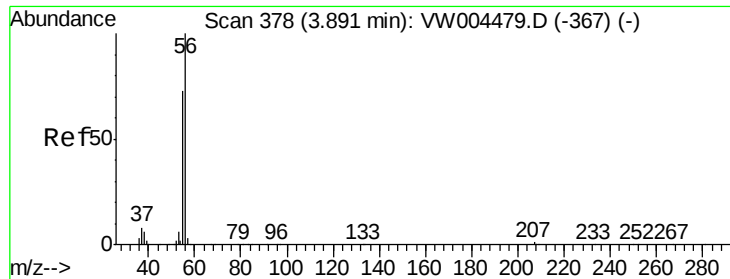
Tgt Ion: 59 Resp: 117577
Ion Ratio Lower Upper
59 100
57 11.4 9.1 13.7



#12
1,1-Dichloroethene
Concen: 51.961 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 96 Resp: 411712
Ion Ratio Lower Upper
96 100
61 163.2 130.6 195.8
98 62.0 49.6 74.4

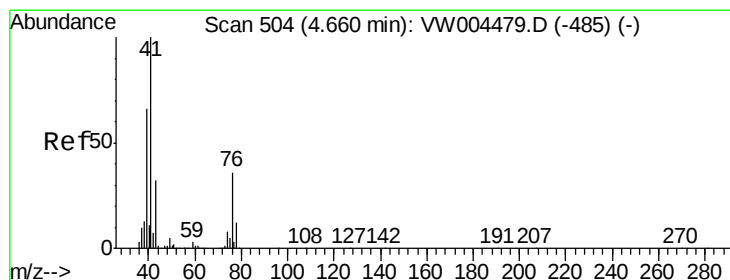
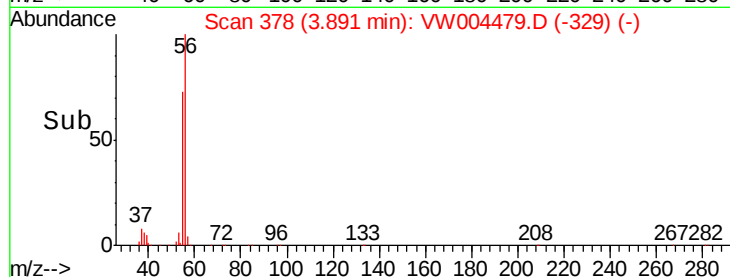
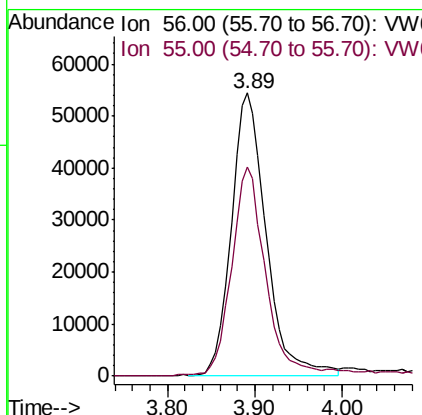
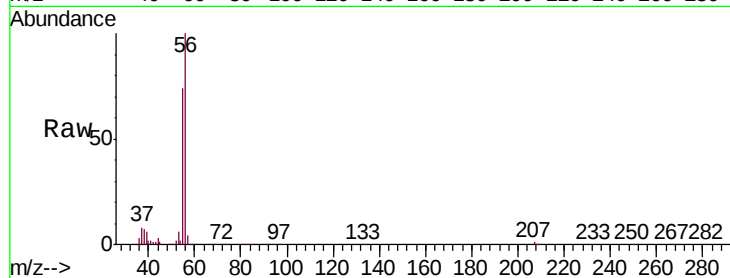




#13
Acrolein
Concen: 283.446 ug/l
RT: 3.89 min Scan# 378
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

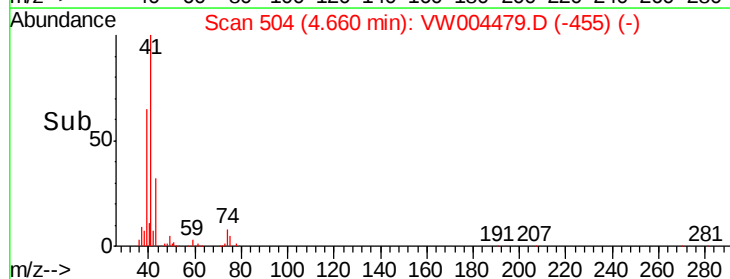
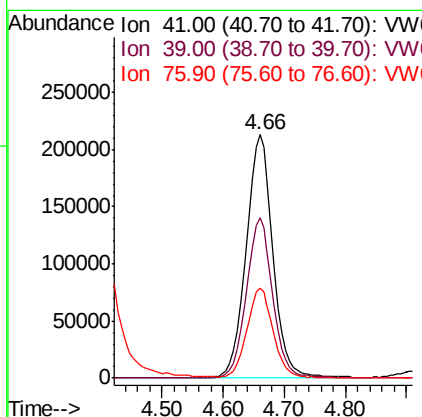
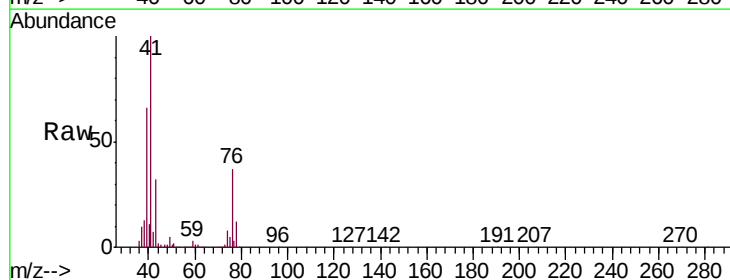
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

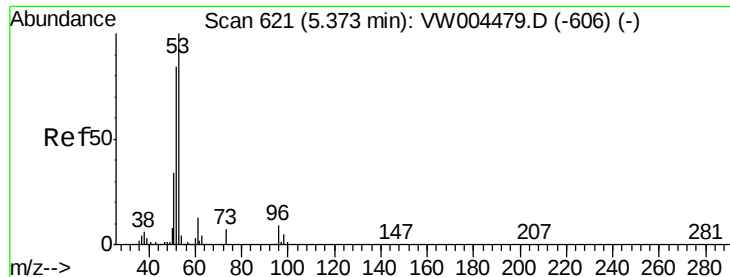
Tgt Ion: 56 Resp: 150118
Ion Ratio Lower Upper
56 100
55 70.9 56.7 85.1



#14
Allyl chloride
Concen: 51.674 ug/l
RT: 4.66 min Scan# 504
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 41 Resp: 648605
Ion Ratio Lower Upper
41 100
39 64.9 51.9 77.9
76 36.3 29.0 43.6

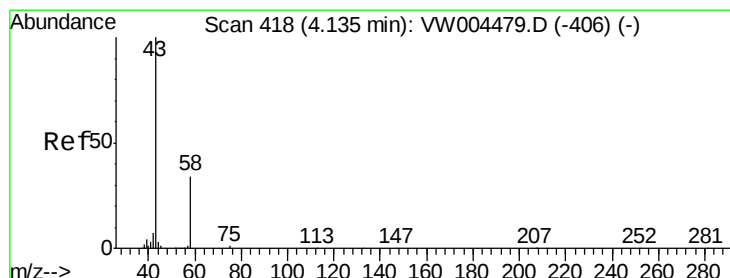
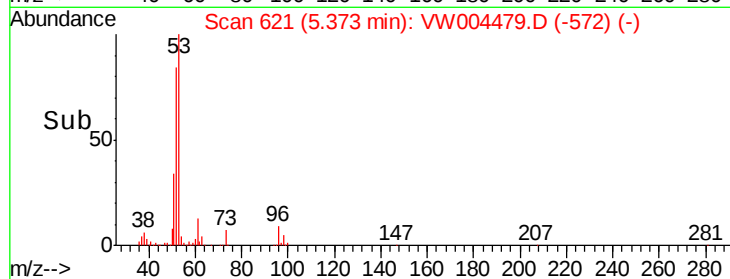
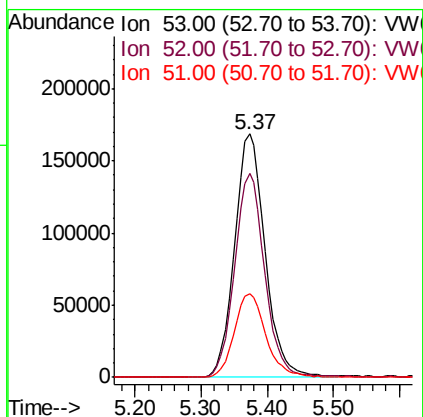
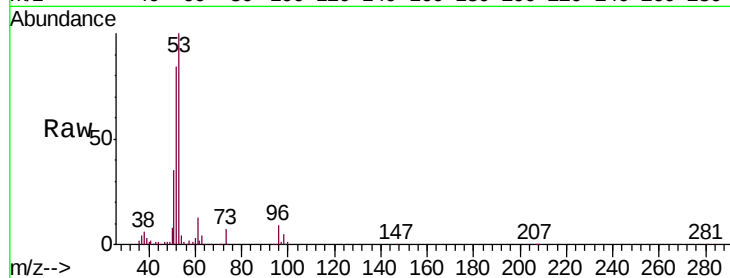




#15
 Acrylonitrile
 Concen: 293.437 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

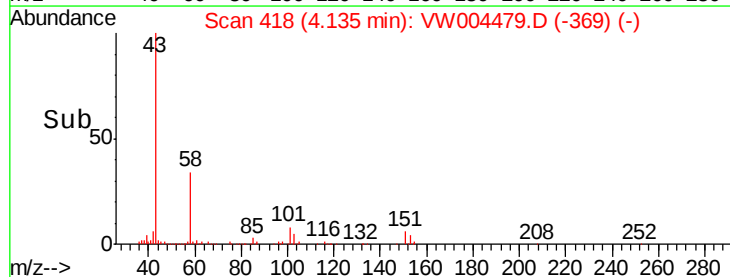
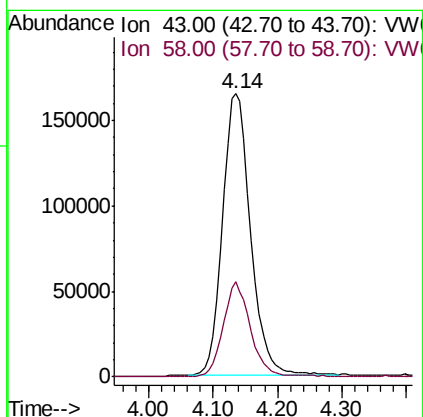
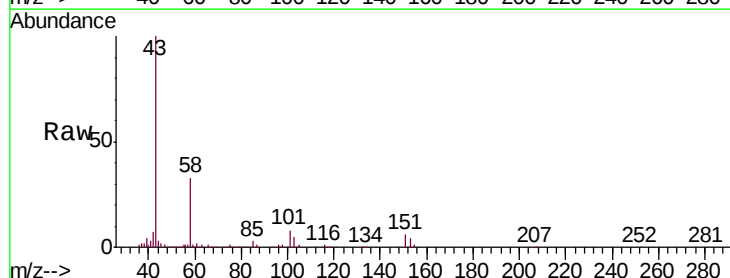
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

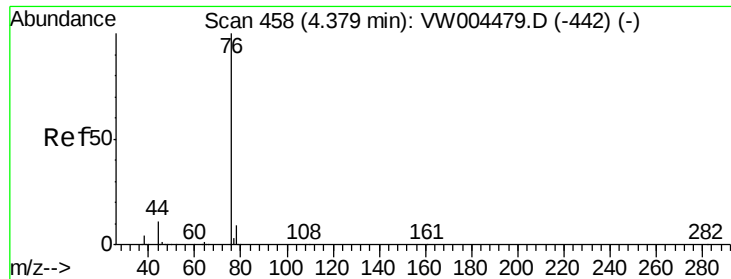
Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	35.5	28.4	42.6



#16
 Acetone
 Concen: 277.041 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.8	40.2

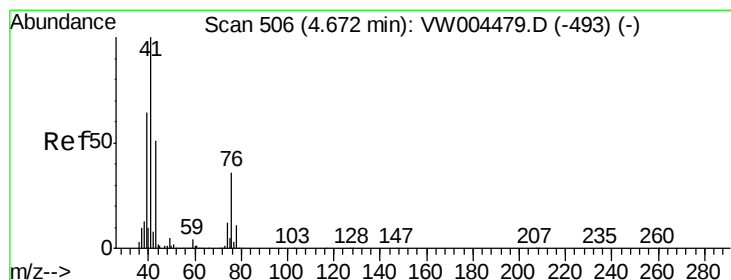
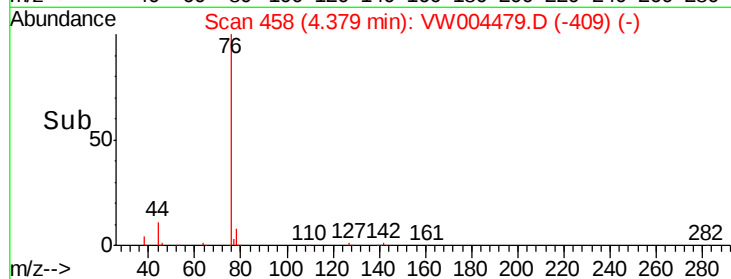
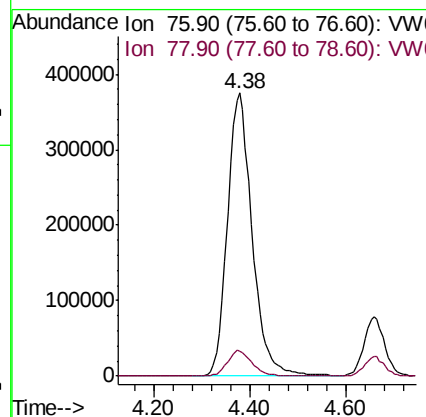
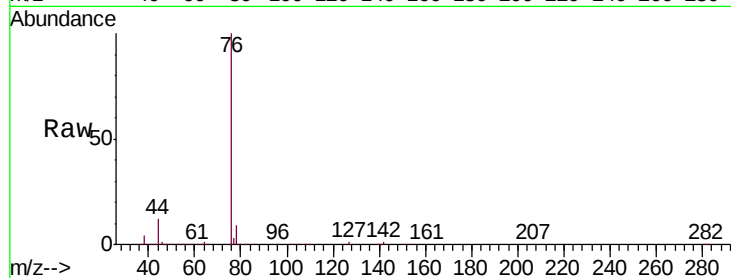




#17
Carbon Disulfide
Concen: 54.769 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

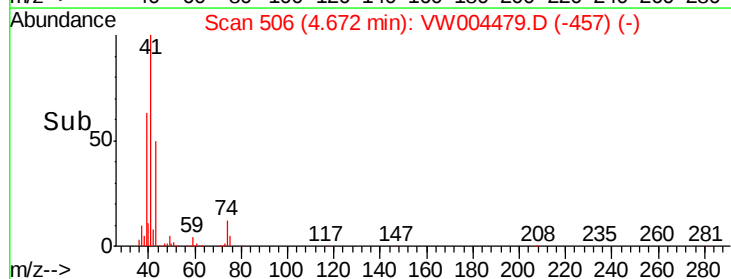
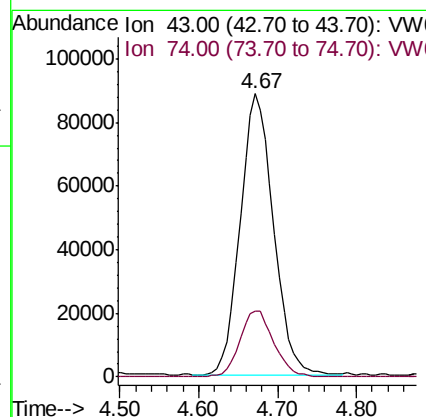
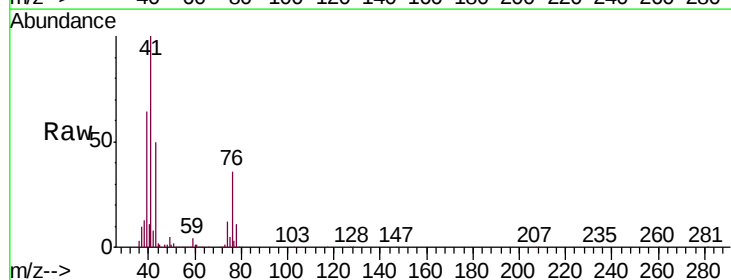
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

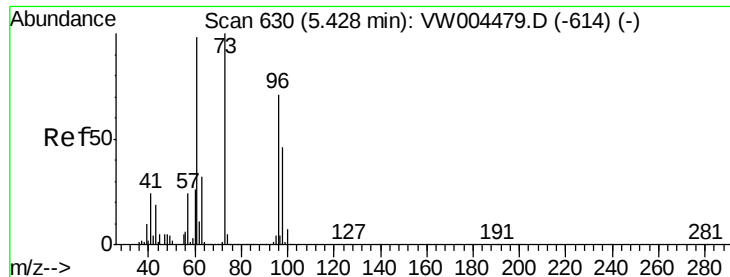
Tgt Ion: 76 Resp: 1342653
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 54.506 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 43 Resp: 260038
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7

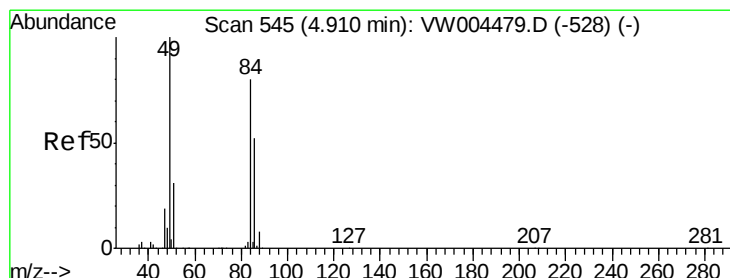
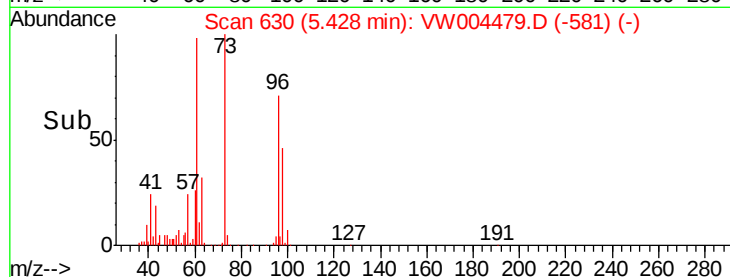
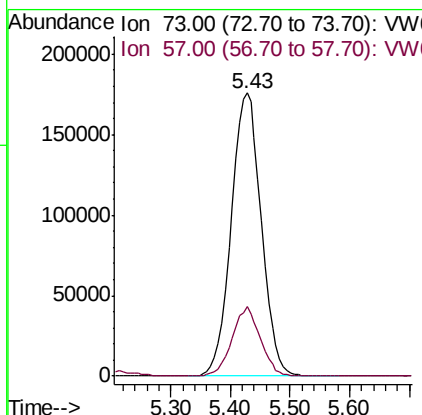
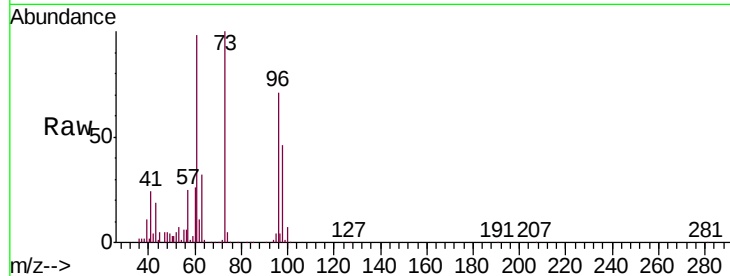




#19
Methyl tert-butyl Ether
Concen: 45.018 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

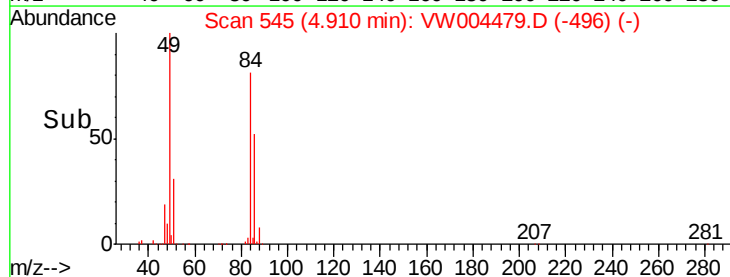
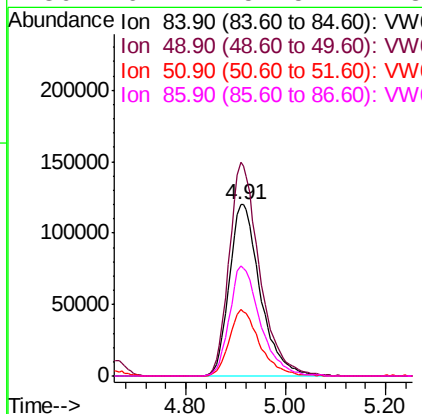
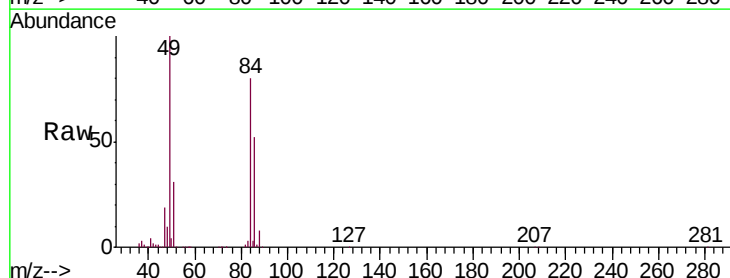
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

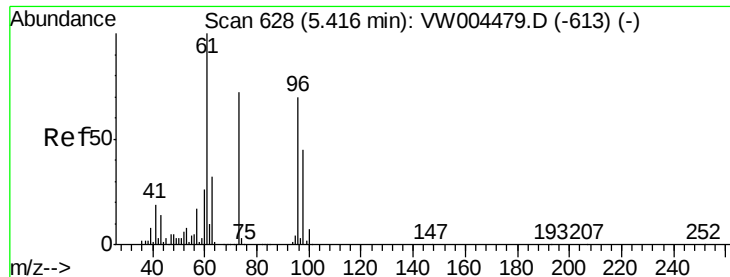
Tgt Ion: 73 Resp: 613293
Ion Ratio Lower Upper
73 100
57 24.5 19.6 29.4



#20
Methylene Chloride
Concen: 58.573 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 84 Resp: 516490
Ion Ratio Lower Upper
84 100
49 124.5 99.6 149.4
51 38.7 31.0 46.4
86 64.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 54.089 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

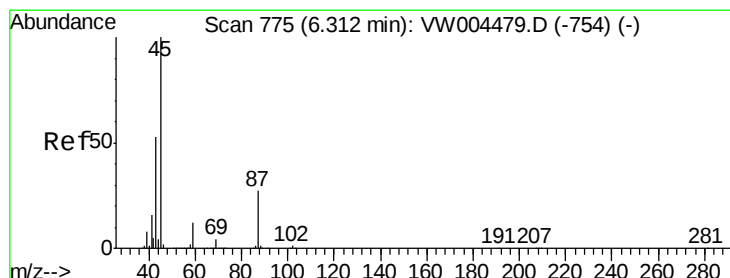
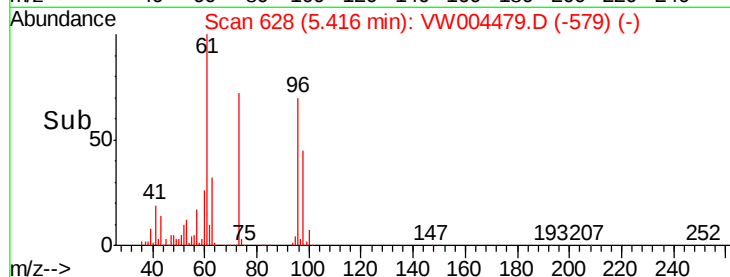
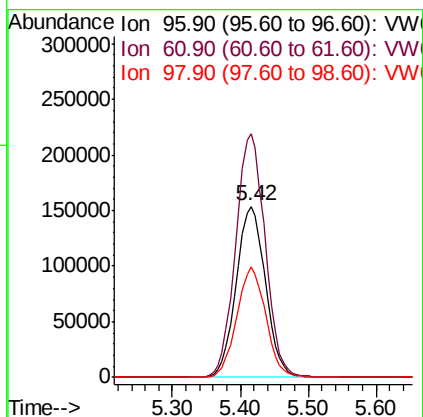
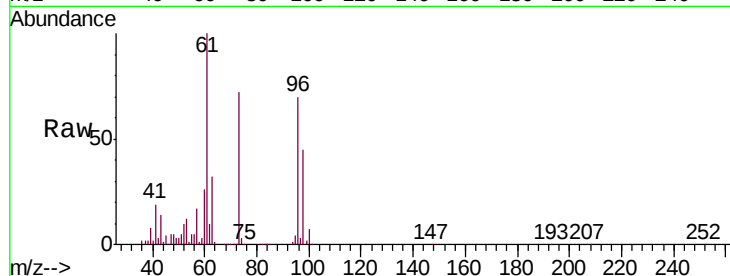
Tgt Ion: 96 Resp: 460321

Ion Ratio Lower Upper

96 100

61 142.6 114.1 171.1

98 64.3 51.4 77.2



#22

Diisopropyl ether

Concen: 57.552 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion: 45 Resp: 1385655

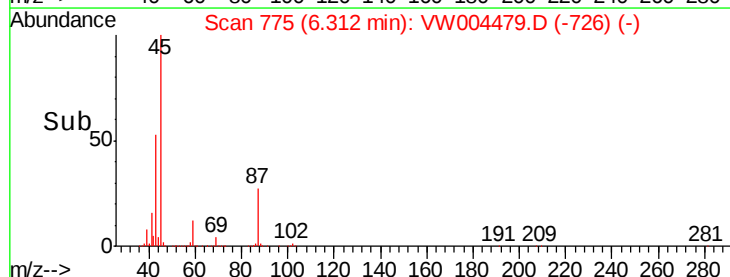
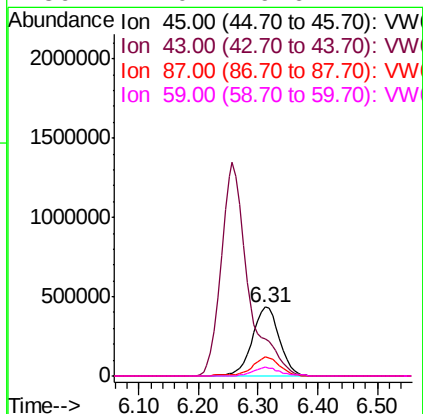
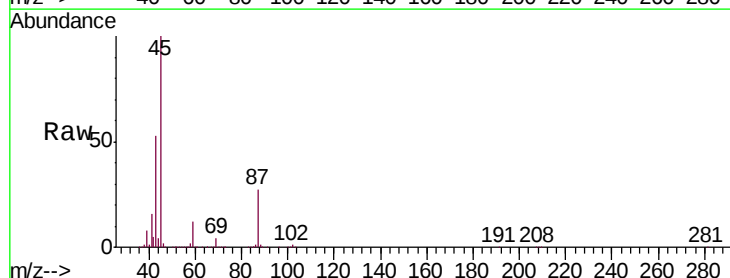
Ion Ratio Lower Upper

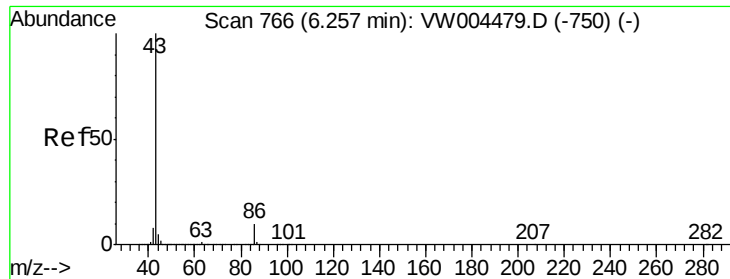
45 100

43 53.0 42.4 63.6

87 27.0 21.6 32.4

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 300.953 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

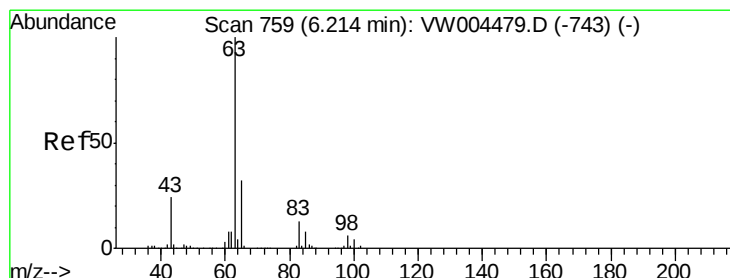
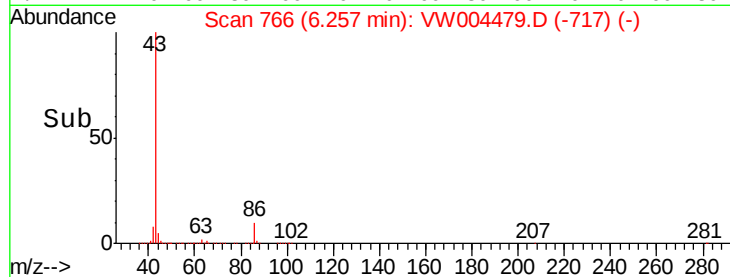
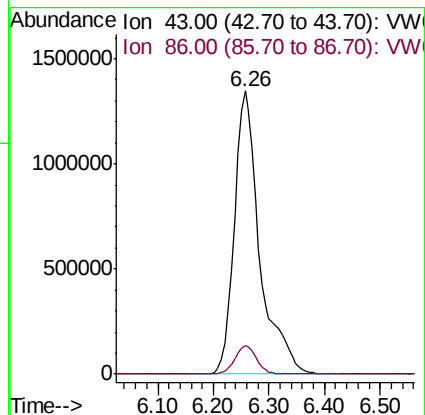
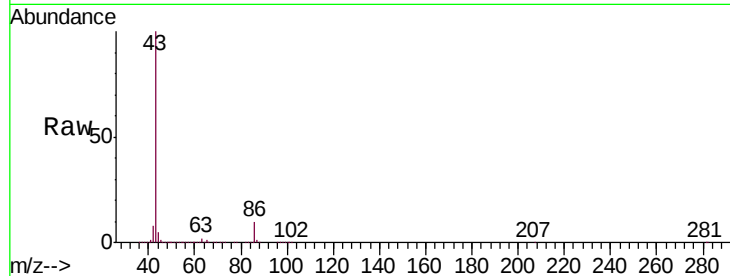
VSTDICCC050

Tgt Ion: 43 Resp: 4240805

Ion Ratio Lower Upper

43 100

86 9.9 7.9 11.9



#24

1,1-Dichloroethane

Concen: 53.995 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

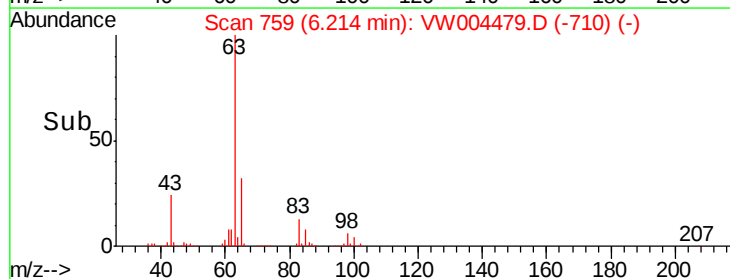
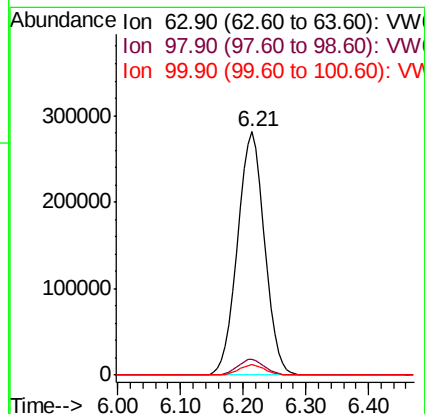
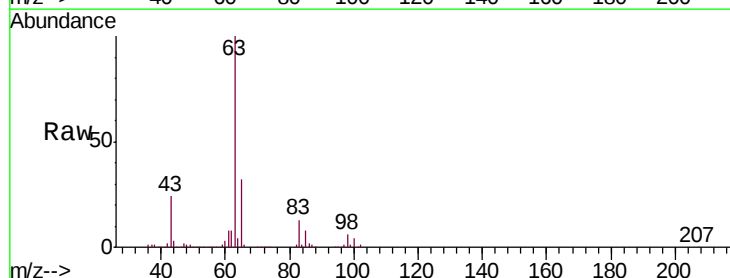
Tgt Ion: 63 Resp: 840086

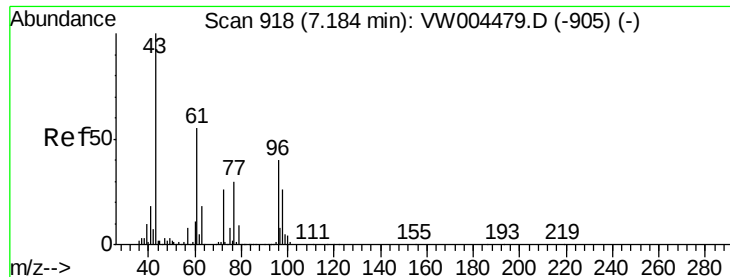
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 365.614 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

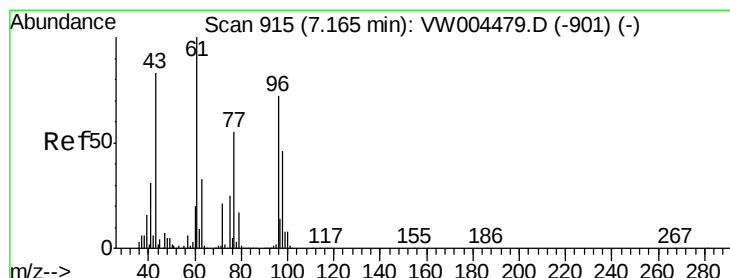
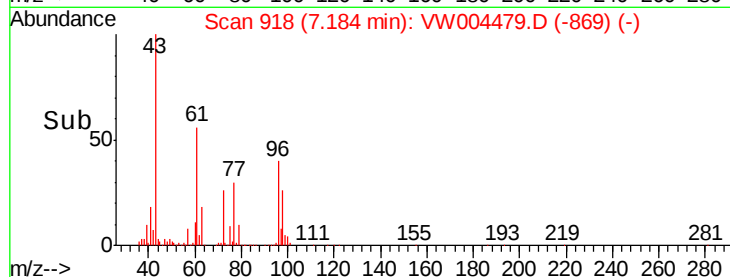
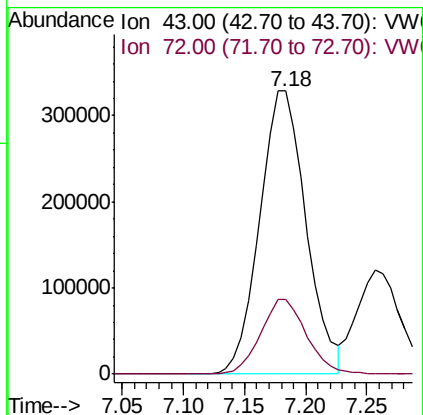
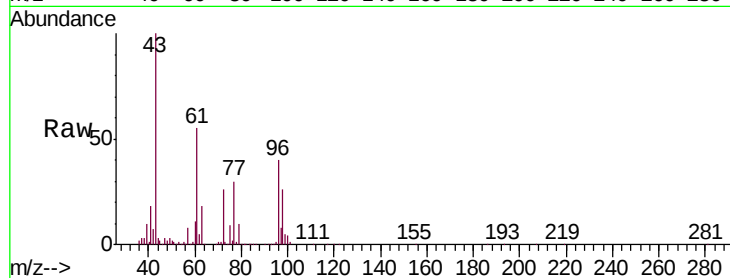
VSTDICCC050

Tgt Ion: 43 Resp: 867272

Ion Ratio Lower Upper

43 100

72 26.3 21.0 31.6



#26

2,2-Dichloropropane

Concen: 48.270 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004479.D

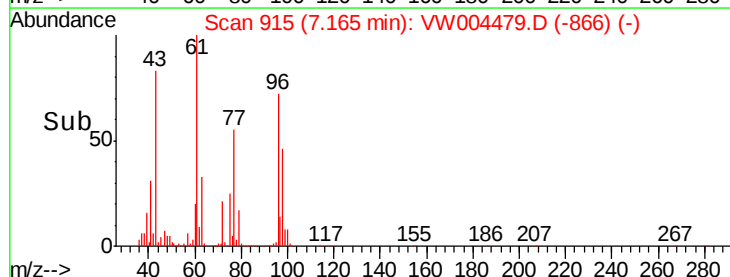
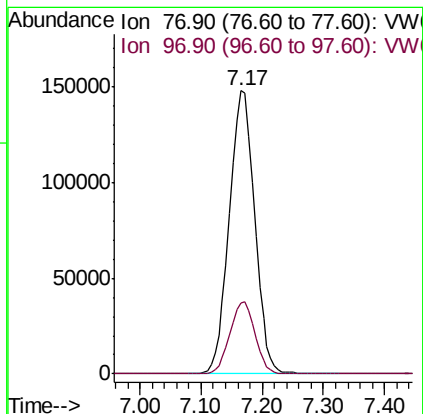
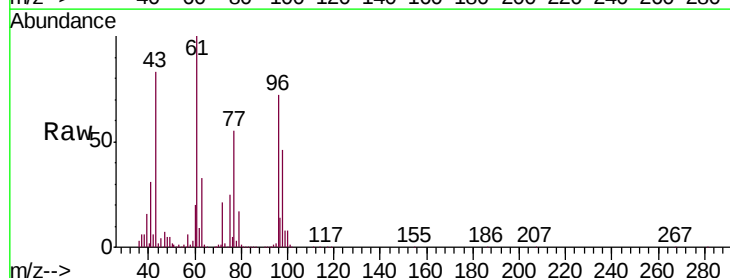
Acq: 06 Aug 2018 19:35

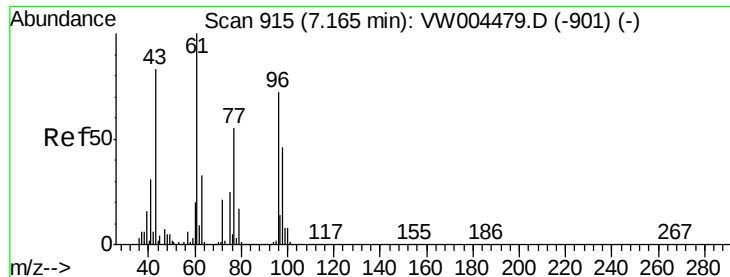
Tgt Ion: 77 Resp: 424226

Ion Ratio Lower Upper

77 100

97 25.0 12.5 37.5



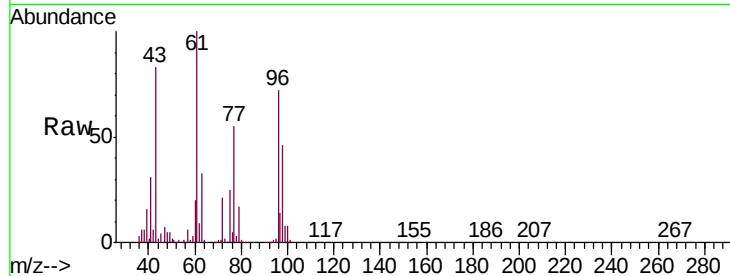


#27

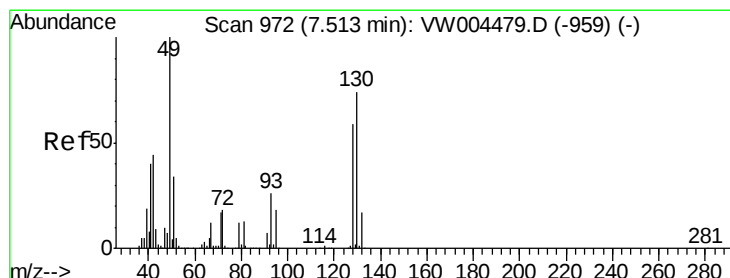
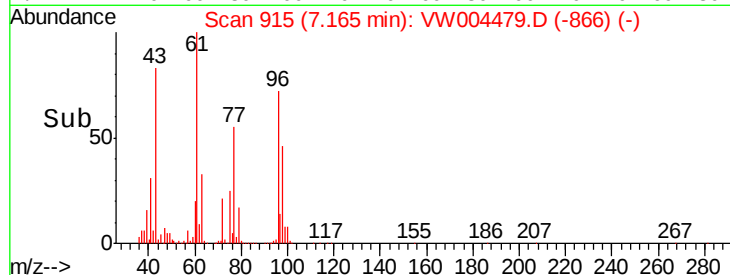
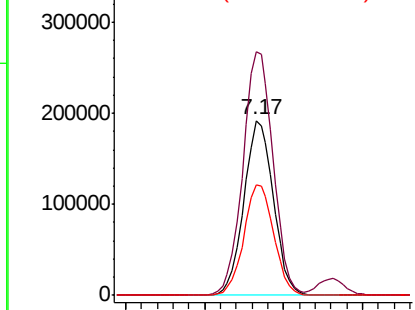
cis-1,2-Dichloroethene
 Concen: 57.298 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	285.0
98	64.3	0.0	128.6



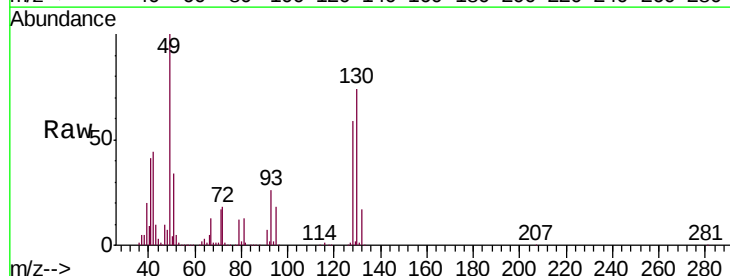
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



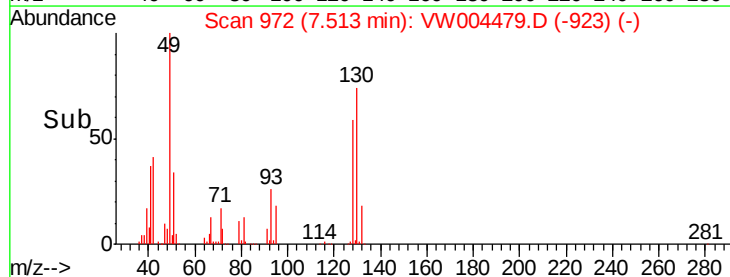
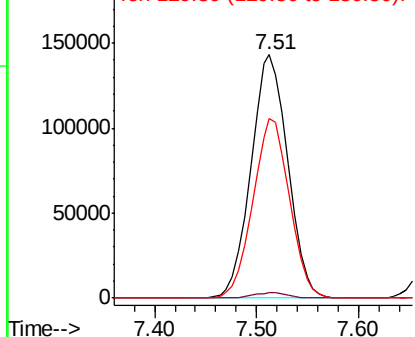
#28

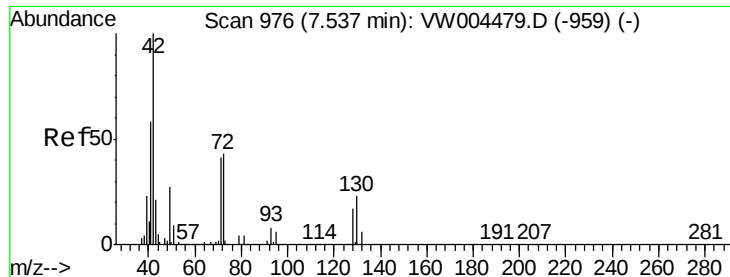
Bromochloromethane
 Concen: 63.326 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	73.5	58.8	88.2



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 318.007 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

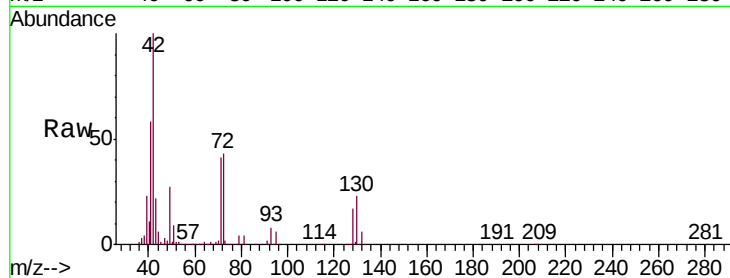
Tgt Ion: 42 Resp: 463832

Ion Ratio Lower Upper

42 100

72 42.6 34.1 51.1

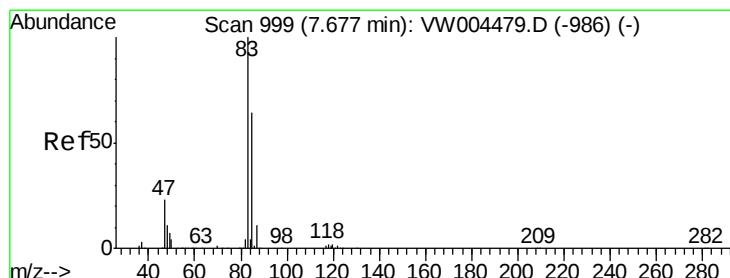
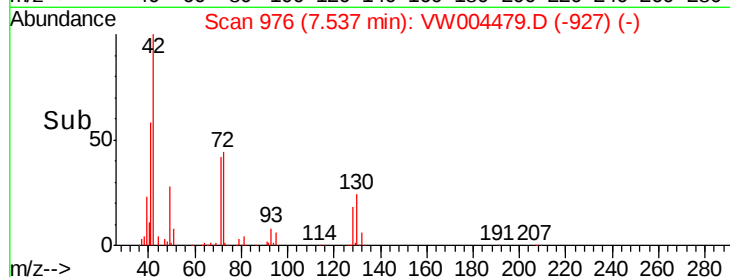
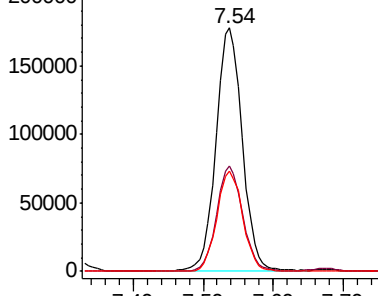
71 40.6 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 55.168 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004479.D

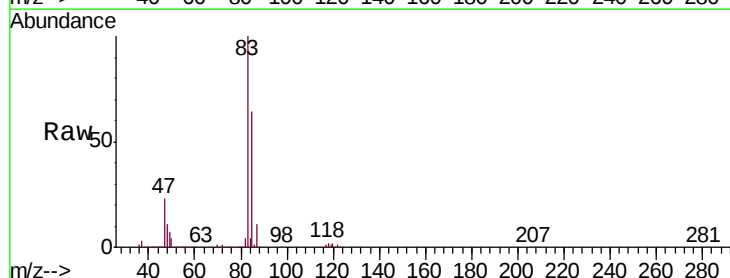
Acq: 06 Aug 2018 19:35

Tgt Ion: 83 Resp: 818025

Ion Ratio Lower Upper

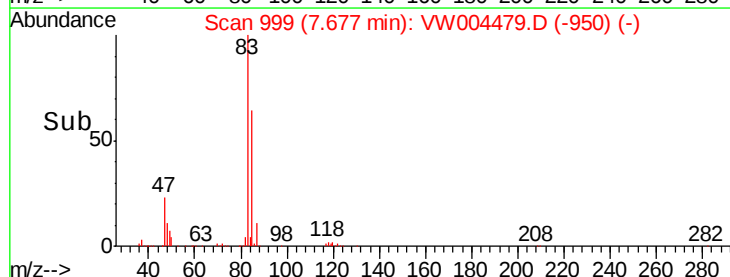
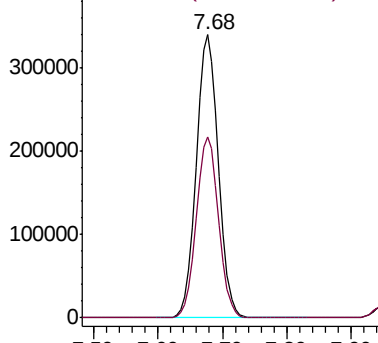
83 100

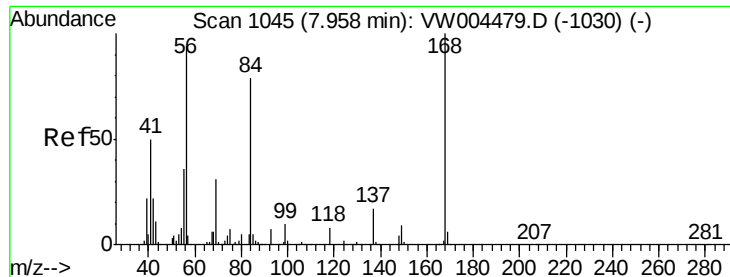
85 64.1 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

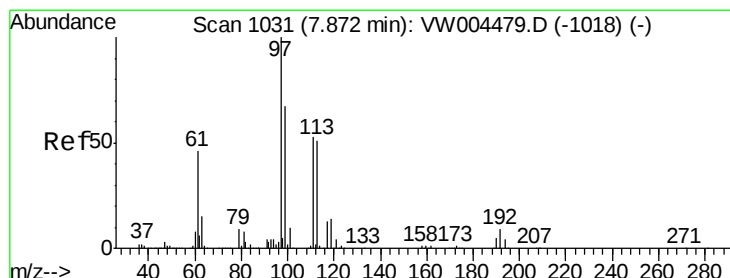
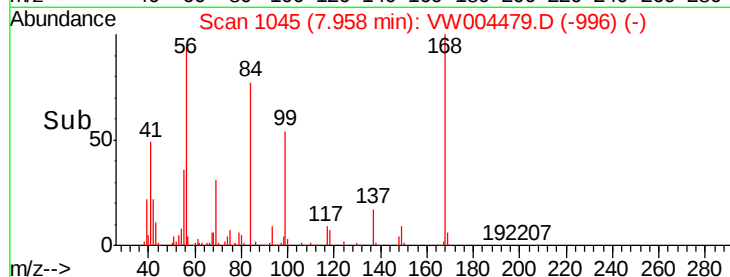
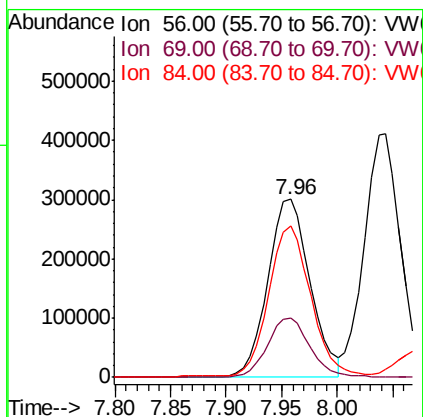
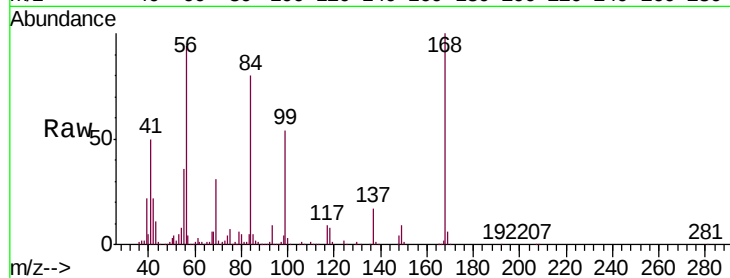




#31
Cyclohexane
Concen: 57.571 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

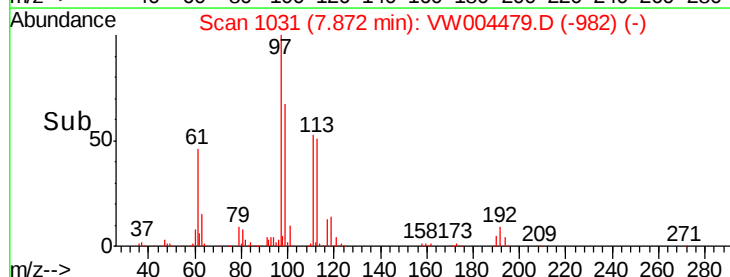
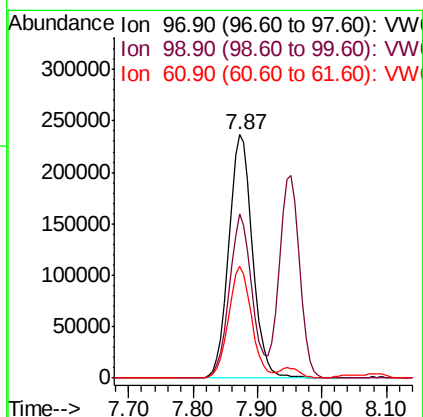
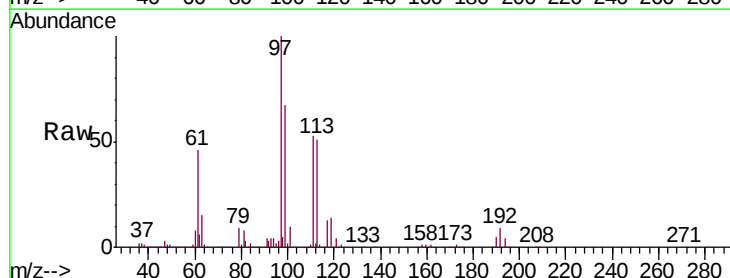
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

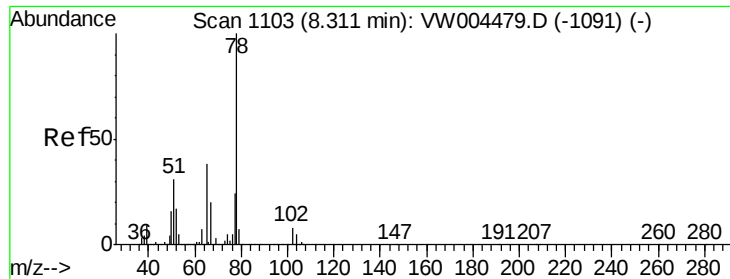
Tgt Ion: 56 Resp: 794945
Ion Ratio Lower Upper
56 100
69 33.0 26.4 39.6
84 83.6 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 50.999 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 97 Resp: 612091
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 44.6 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 55.672 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

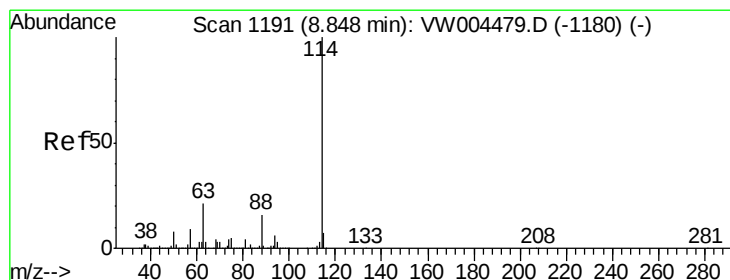
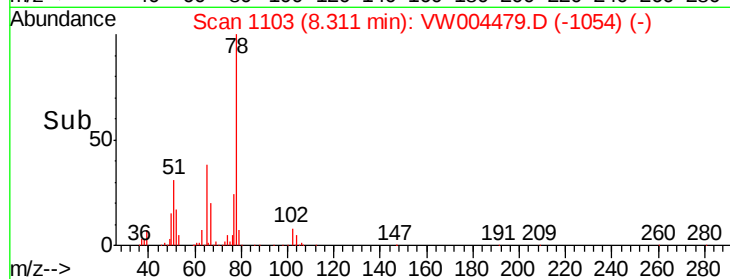
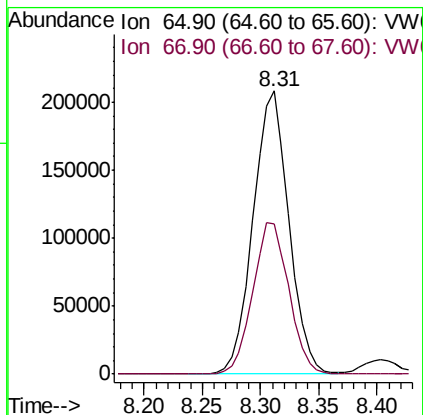
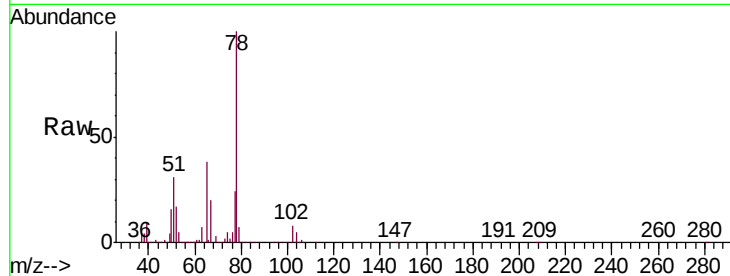
VSTDICCC050

Tgt Ion: 65 Resp: 445099

Ion Ratio Lower Upper

65 100

67 54.5 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: VW004479.D

Acq: 06 Aug 2018 19:35

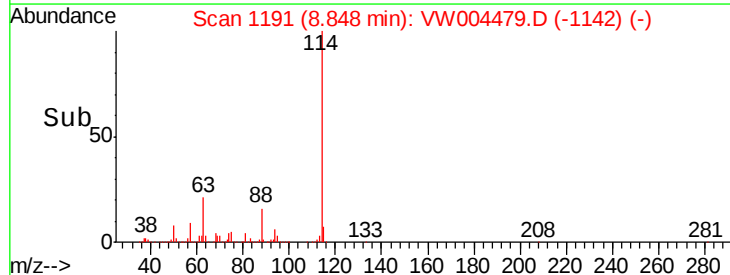
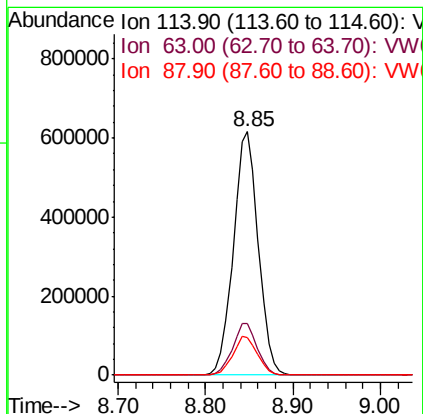
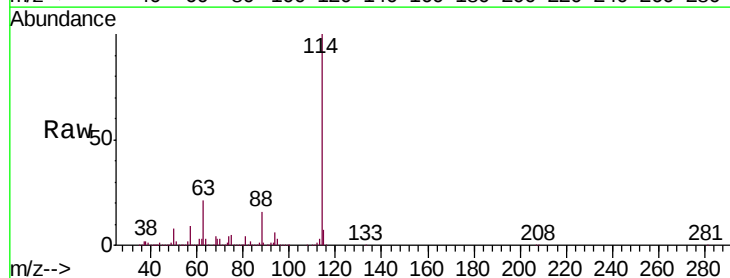
Tgt Ion: 114 Resp: 1210751

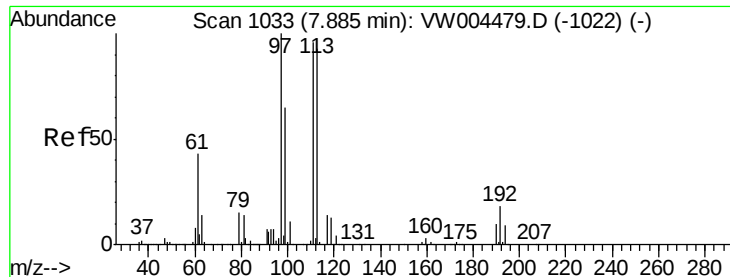
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 15.6 0.0 31.2

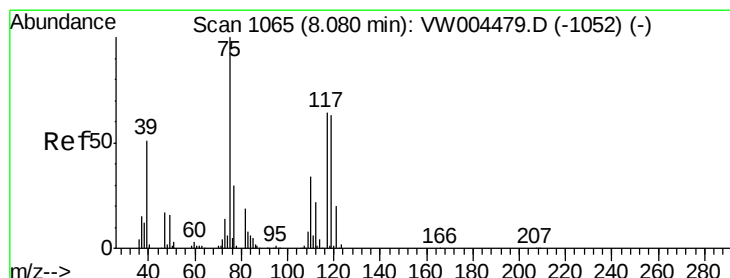
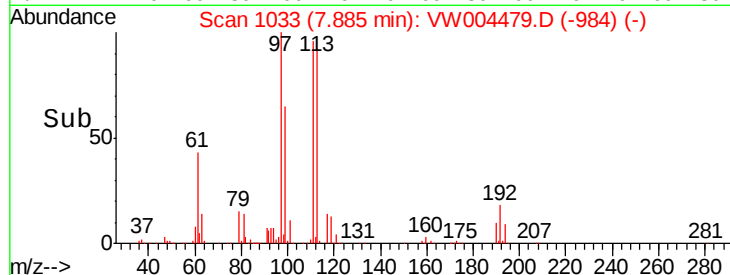
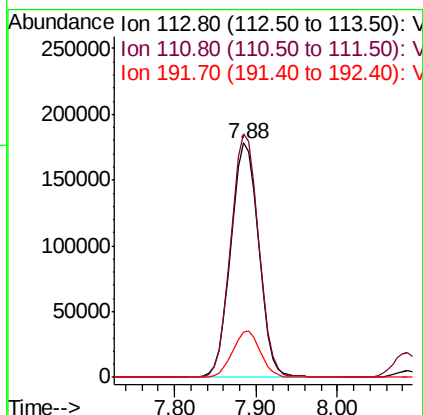
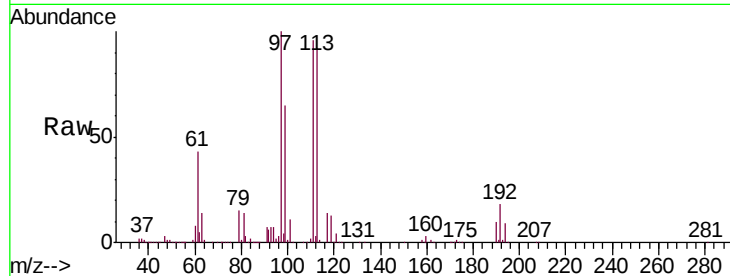




#35
 Dibromofluoromethane
 Concen: 54.457 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

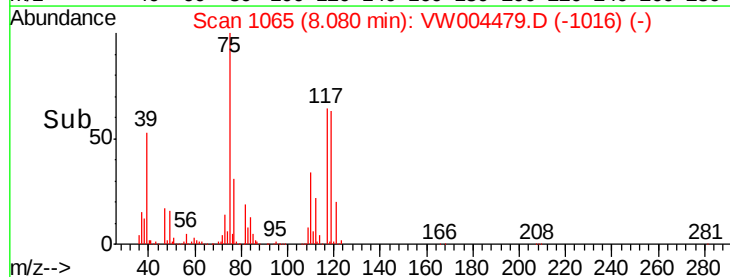
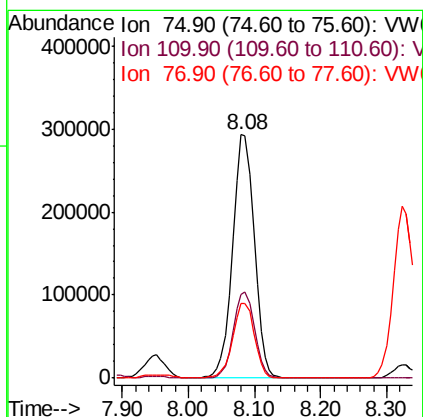
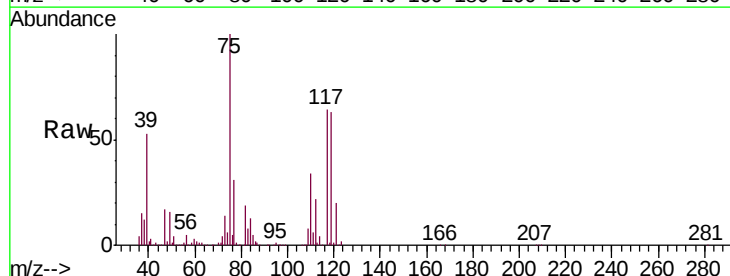
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

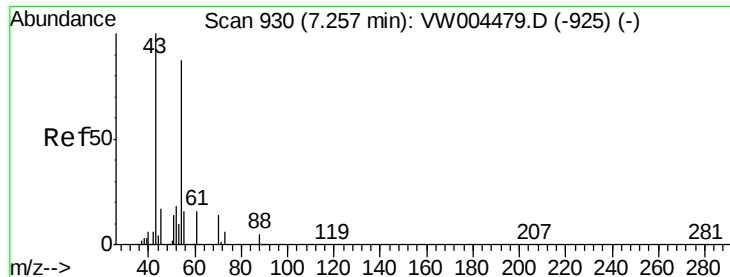
Tgt Ion: 113 Resp: 420363
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 19.7 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 54.509 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion: 75 Resp: 667758
 Ion Ratio Lower Upper
 75 100
 110 34.8 17.4 52.2
 77 30.9 24.7 37.1

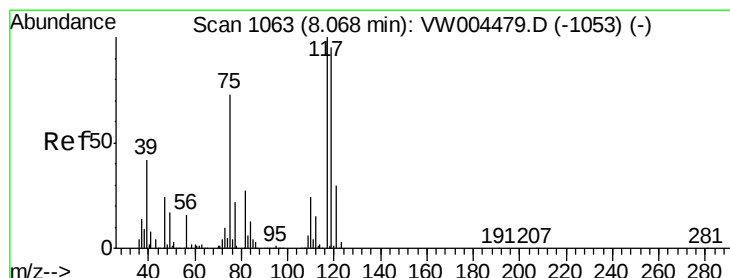
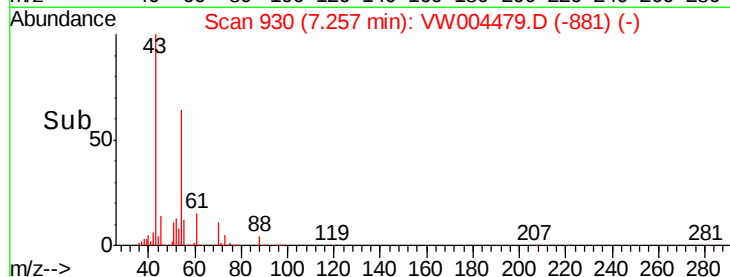
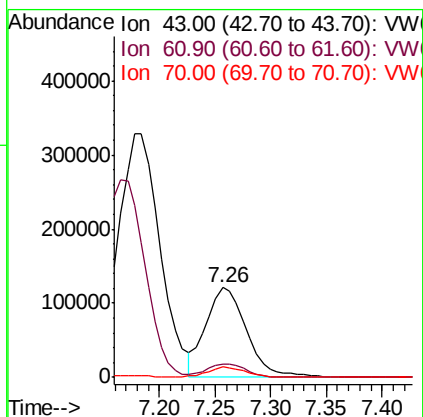
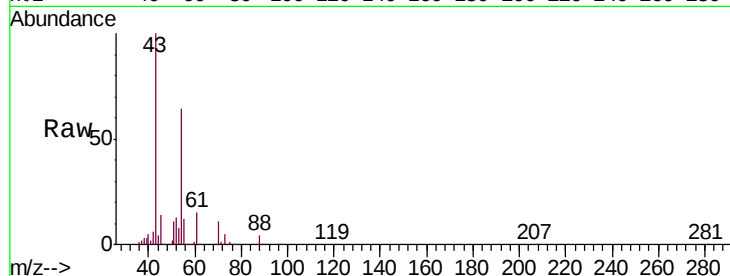




#37
 Ethyl Acetate
 Concen: 59.660 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

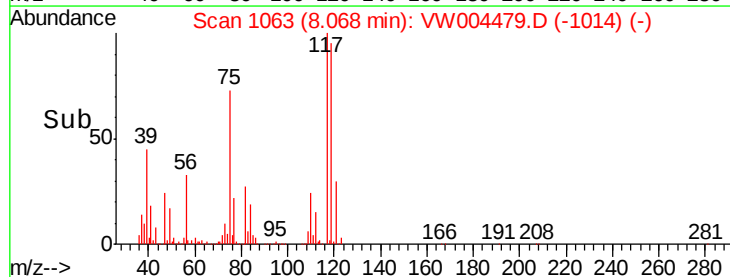
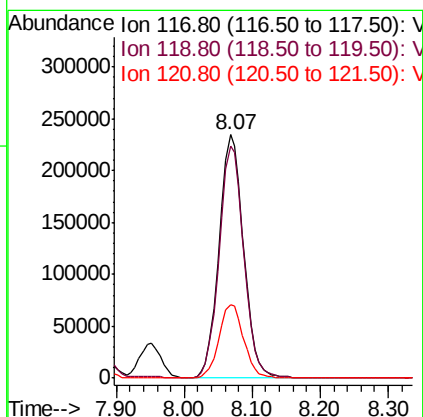
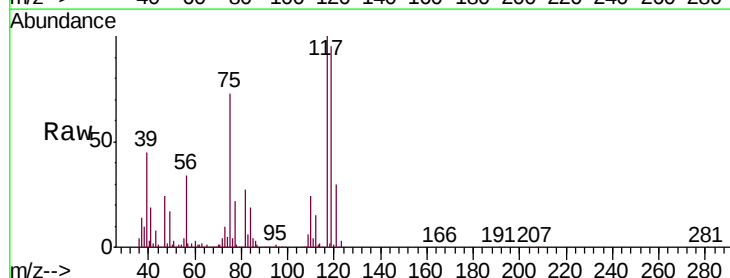
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

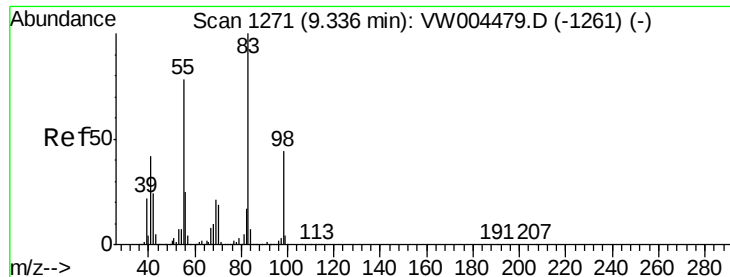
Tgt Ion: 43 Resp: 302964
 Ion Ratio Lower Upper
 43 100
 61 14.9 11.9 17.9
 70 10.3 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 49.116 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion: 117 Resp: 587019
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.1 114.1
 121 30.3 24.2 36.4

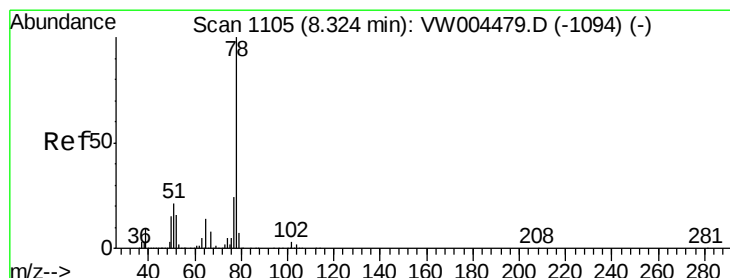
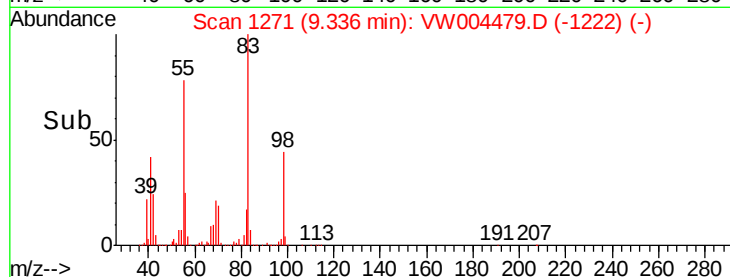
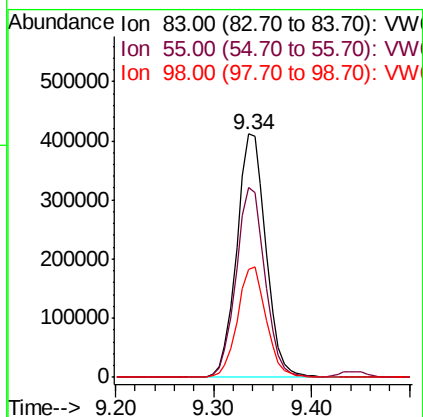
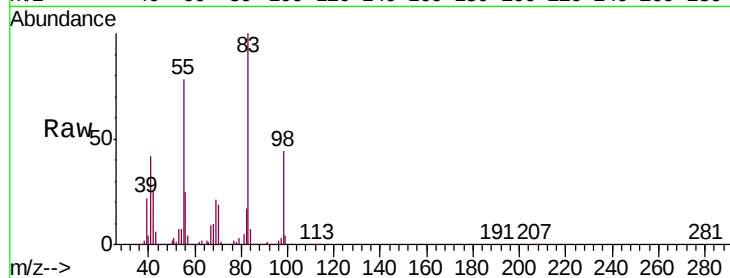




#39
Methylcyclohexane
Concen: 57.069 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

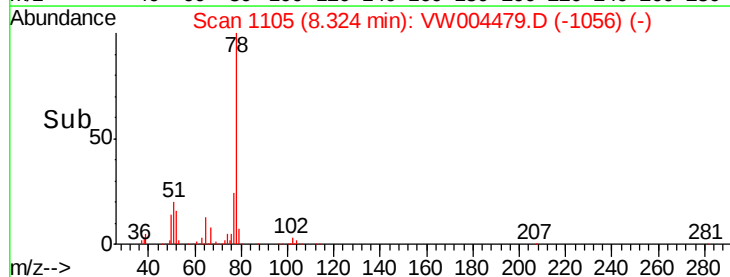
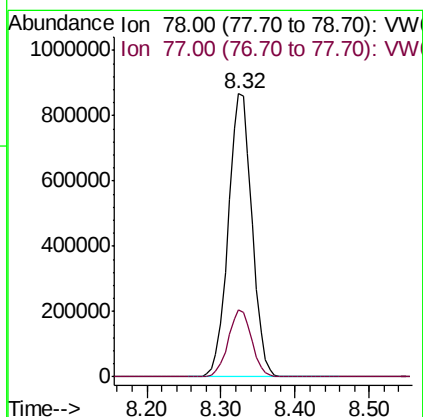
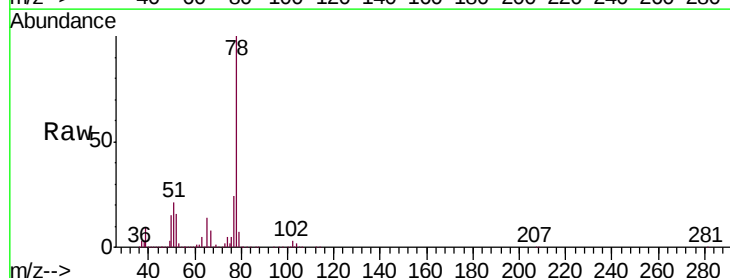
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

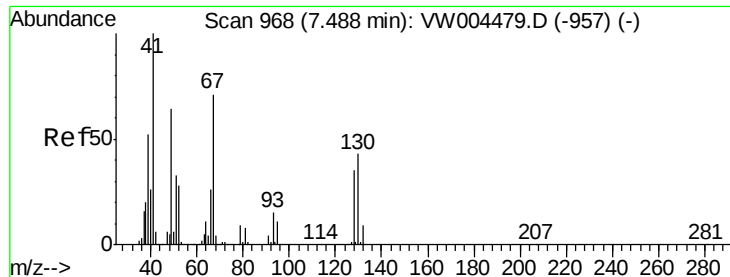
Tgt Ion: 83 Resp: 849491
Ion Ratio Lower Upper
83 100
55 78.1 62.5 93.7
98 44.3 35.4 53.2



#40
Benzene
Concen: 55.647 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 78 Resp: 1926427
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

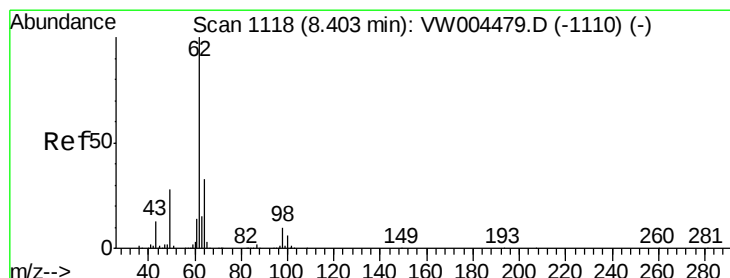
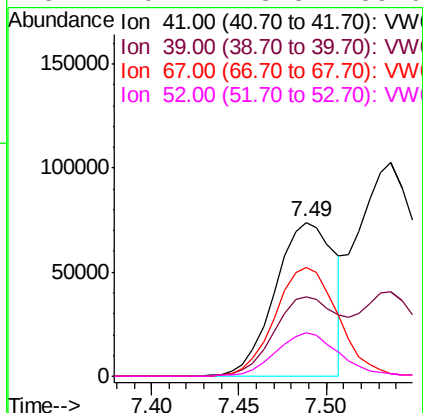
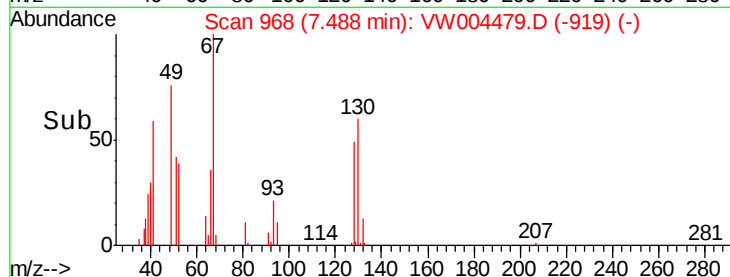
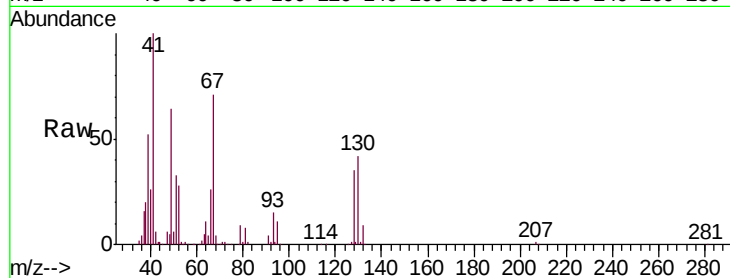




#41
Methacrylonitrile
Concen: 60.296 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

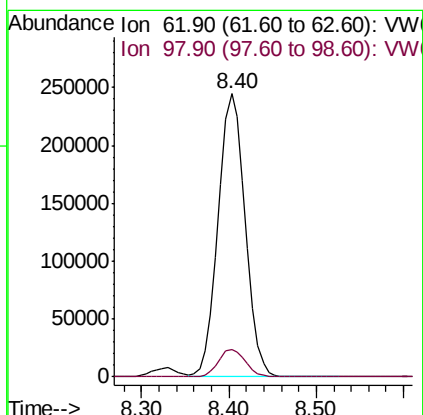
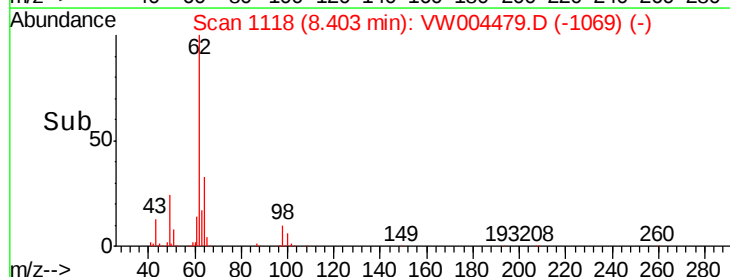
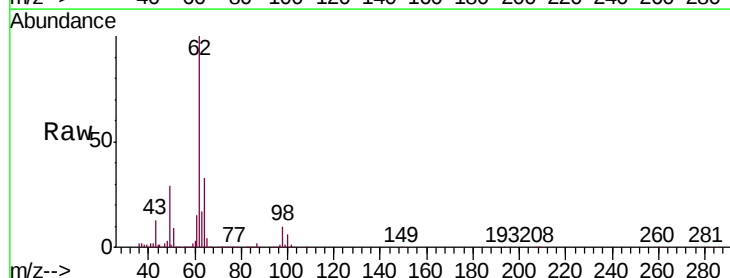
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

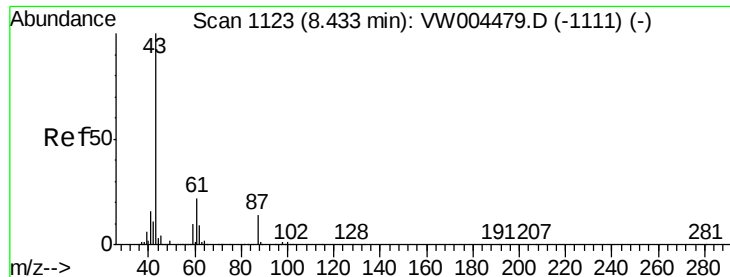
Tgt Ion:	41	Resp:	175211
Ion	Ratio	Lower	Upper
41	100		
39	57.7	46.2	69.2
67	76.0	60.8	91.2
52	29.7	23.8	35.6



#42
1,2-Dichloroethane
Concen: 53.345 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion:	62	Resp:	525137
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 59.607 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

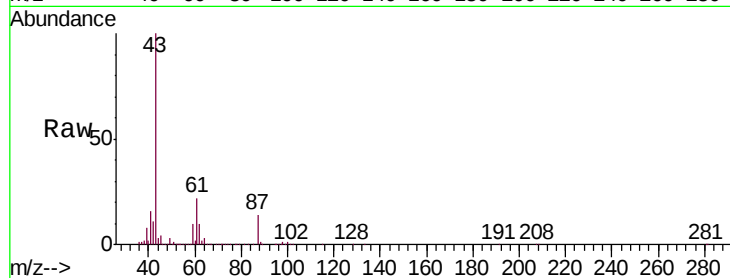
Tgt Ion: 43 Resp: 543529

Ion Ratio Lower Upper

43 100

61 31.5 25.2 37.8

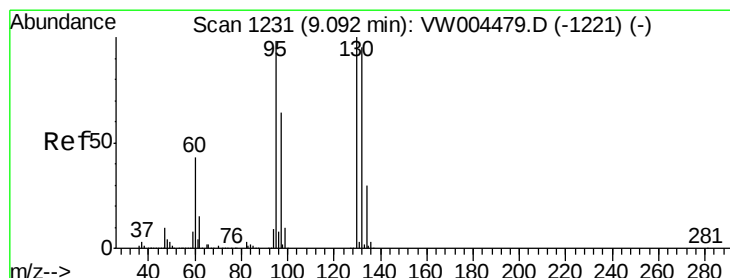
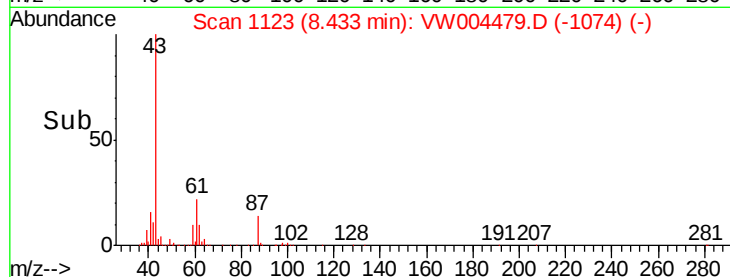
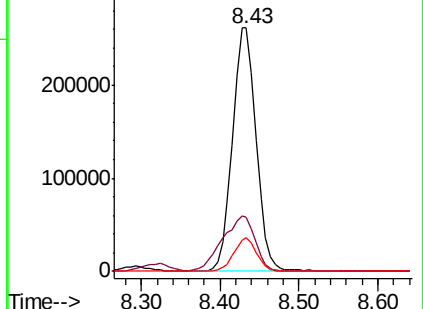
87 13.3 10.6 16.0



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: 51.020 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004479.D

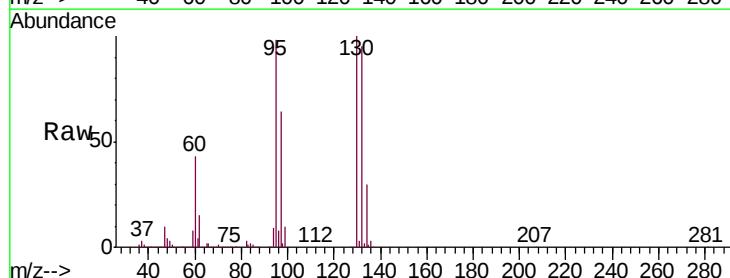
Acq: 06 Aug 2018 19:35

Tgt Ion: 130 Resp: 471709

Ion Ratio Lower Upper

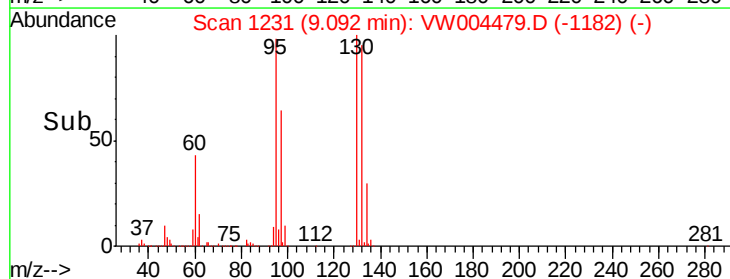
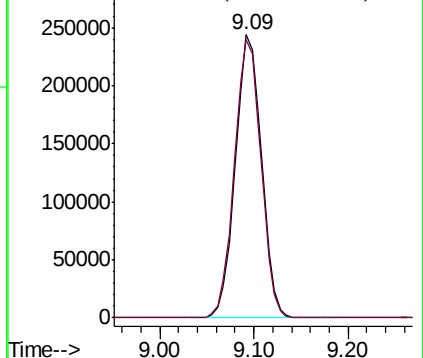
130 100

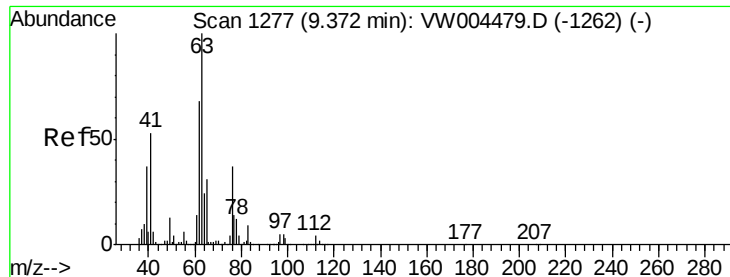
95 98.1 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

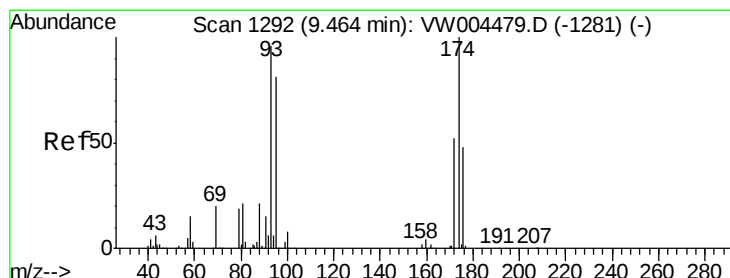
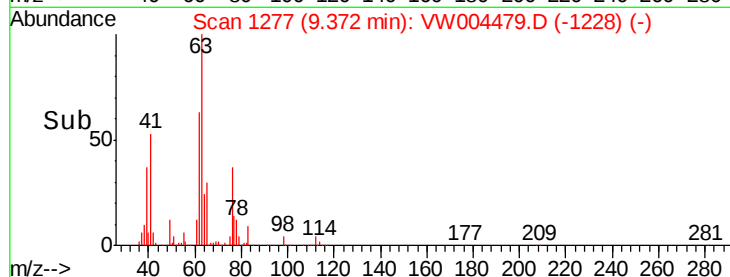
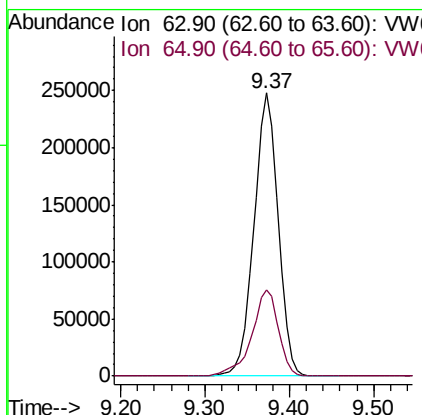
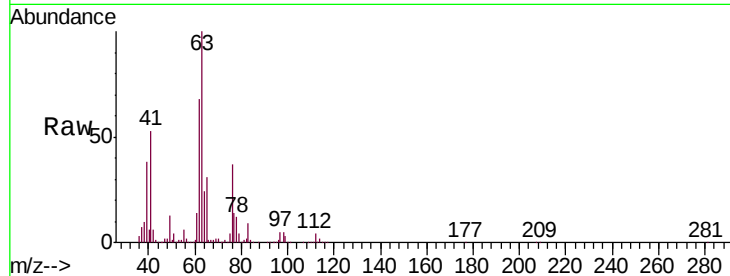




#45
 1,2-Dichloropropane
 Concen: 56.304 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

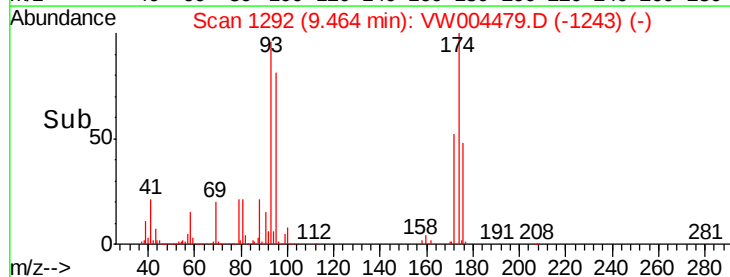
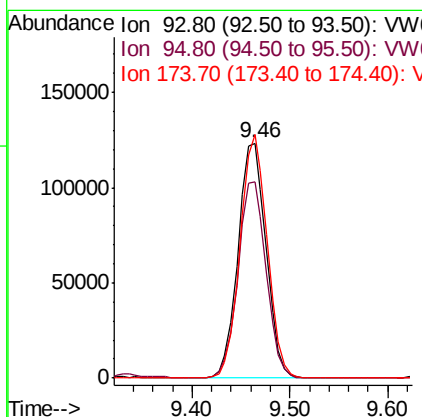
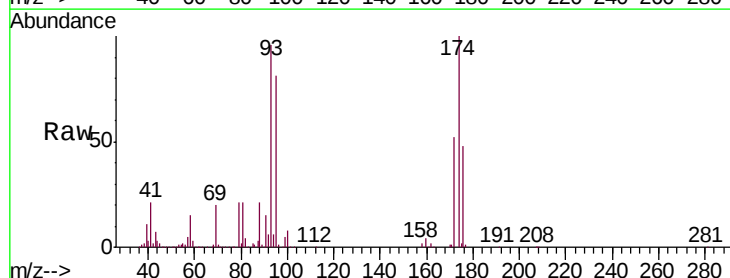
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

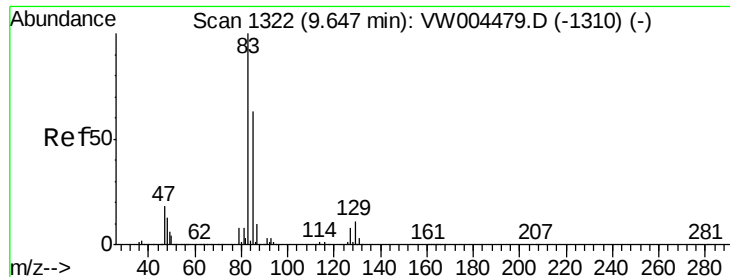
Tgt Ion: 63 Resp: 483843
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.5 36.7



#46
 Dibromomethane
 Concen: 55.636 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion: 93 Resp: 244753
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.4
 174 100.3 80.2 120.4





#47

Bromodichloromethane

Concen: 52.638 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

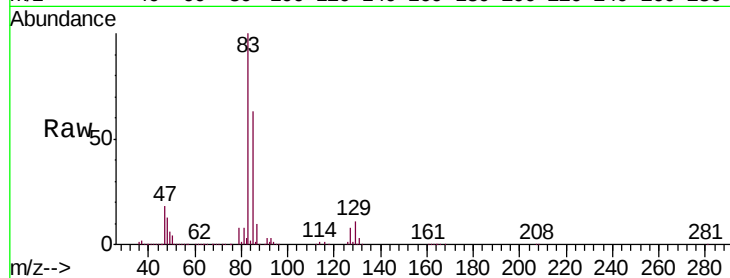
Tgt Ion: 83 Resp: 579766

Ion Ratio Lower Upper

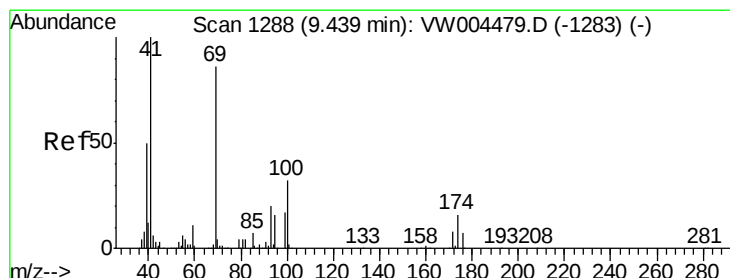
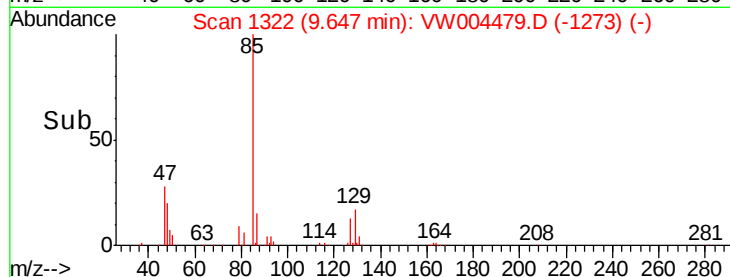
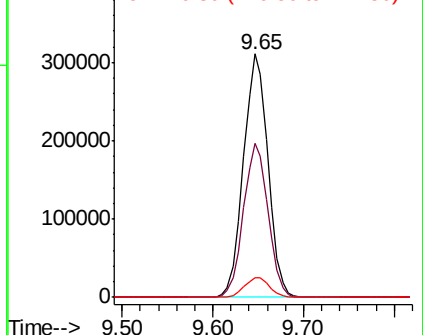
83 100

85 63.4 50.7 76.1

127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 56.859 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

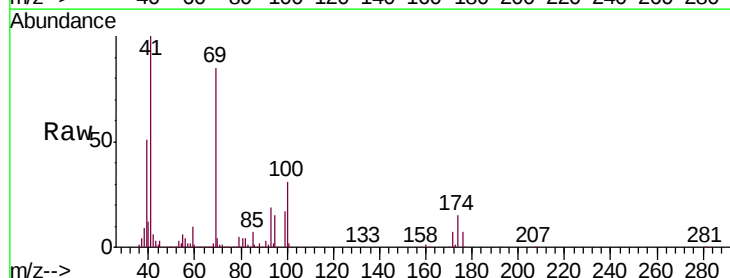
Tgt Ion: 41 Resp: 261933

Ion Ratio Lower Upper

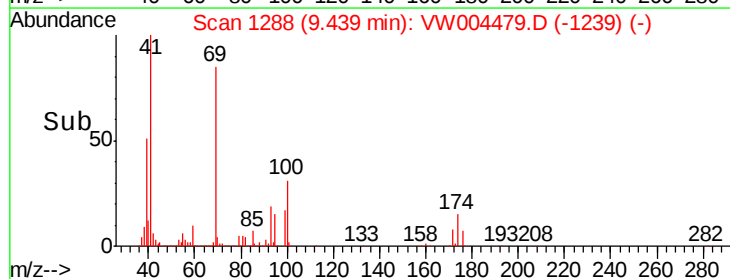
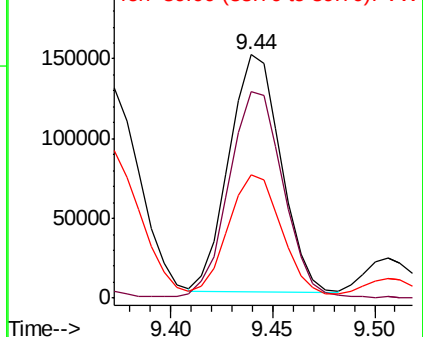
41 100

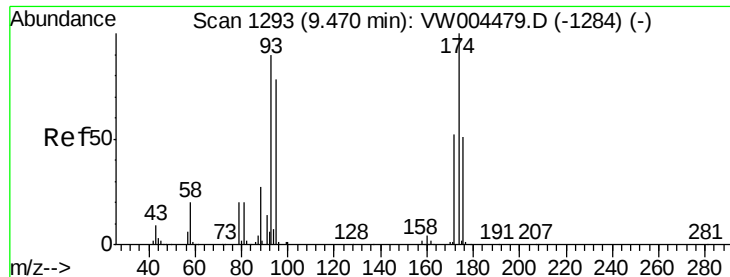
69 91.5 73.2 109.8

39 50.7 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

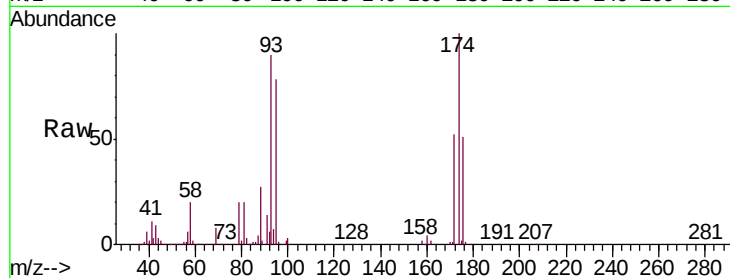




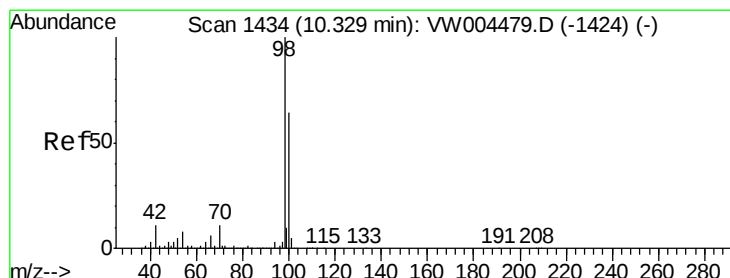
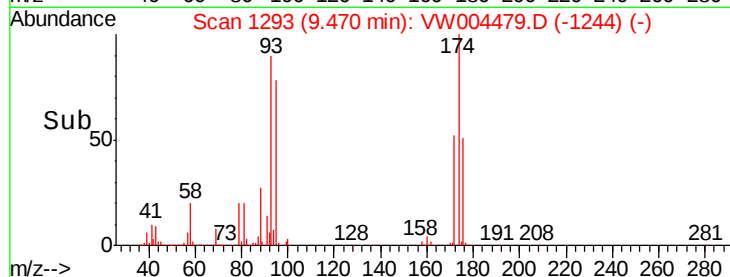
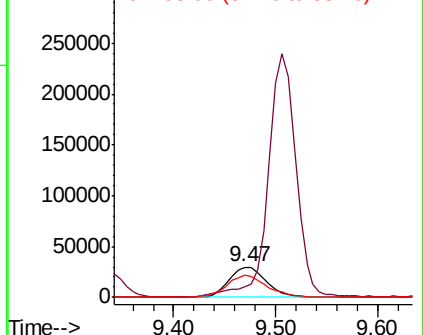
#49
1,4-Dioxane
Concen: 1130.280 ug/l
RT: 9.47 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 75561
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 79.4 63.5 95.3

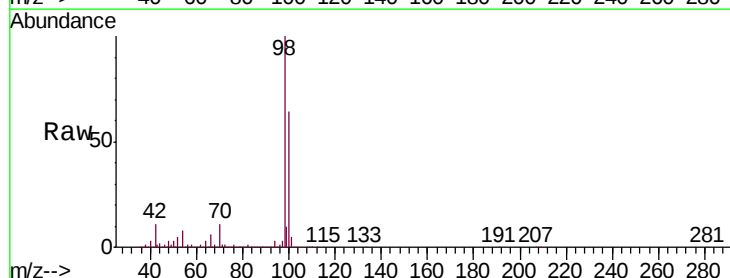


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

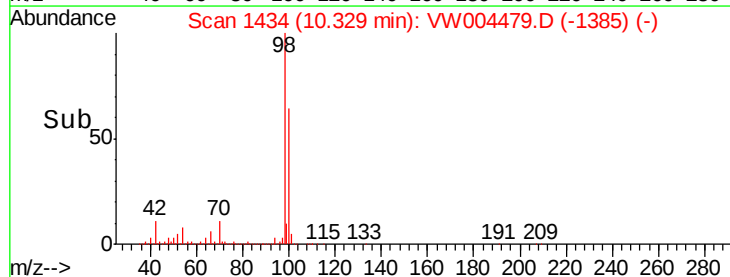
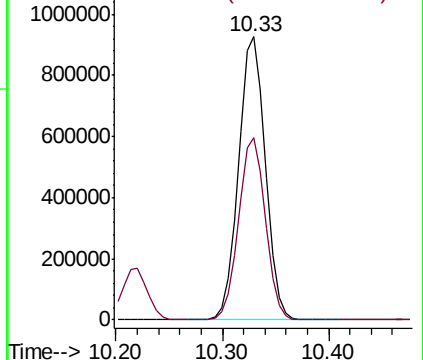


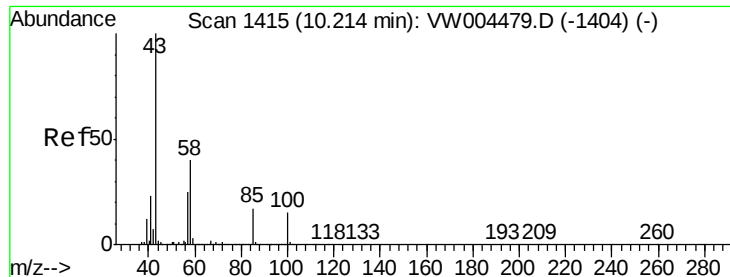
#50
Toluene-d8
Concen: 53.914 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 98 Resp: 1634591
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

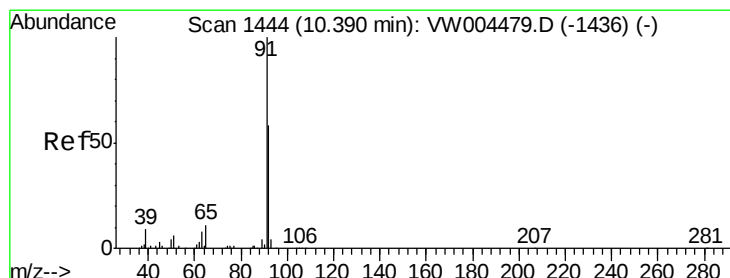
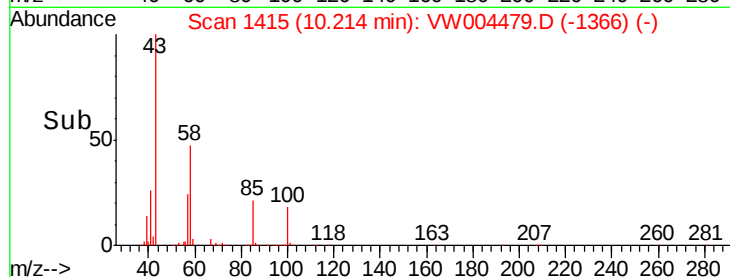
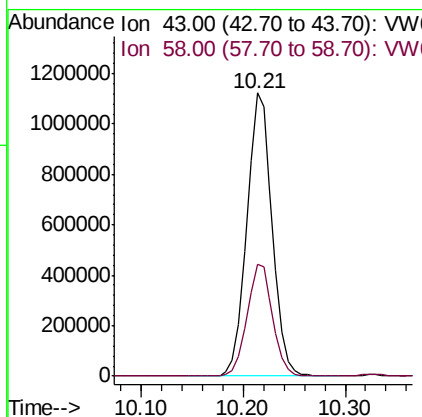
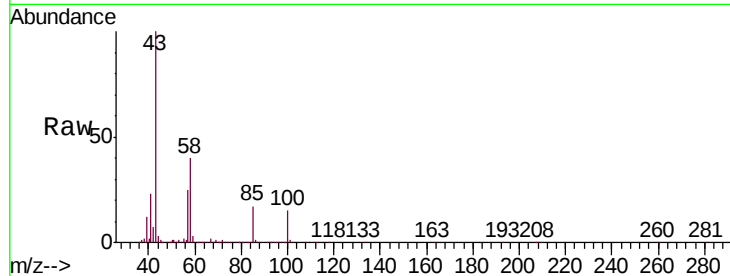




#51
 4-Methyl-2-Pentanone
 Concen: 364.119 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

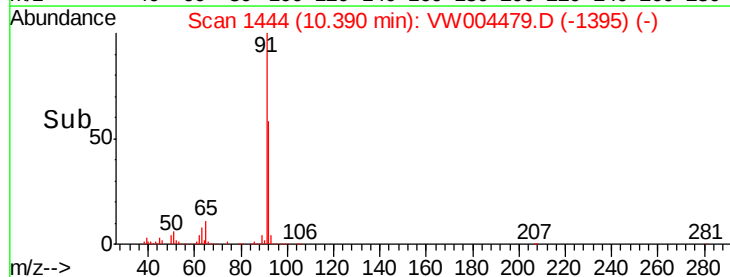
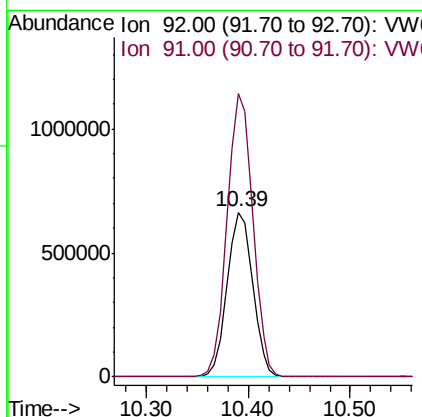
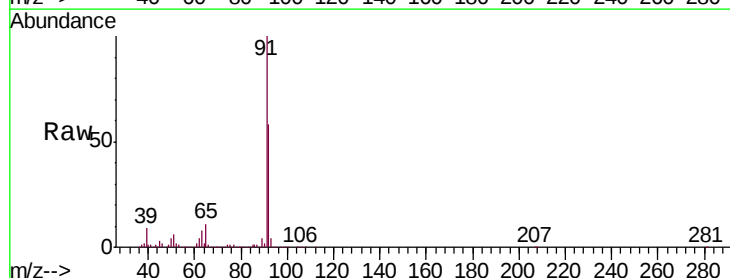
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

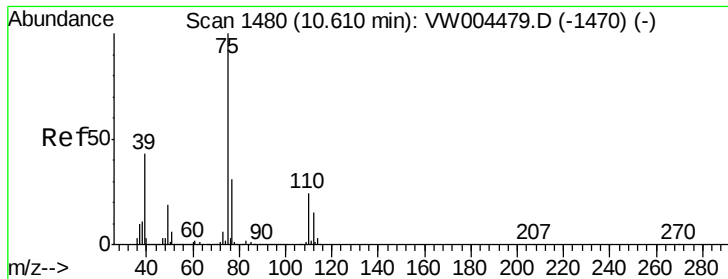
Tgt Ion: 43 Resp: 1933278
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.9 47.9



#52
 Toluene
 Concen: 53.321 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion: 92 Resp: 1150768
 Ion Ratio Lower Upper
 92 100
 91 172.4 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 53.763 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

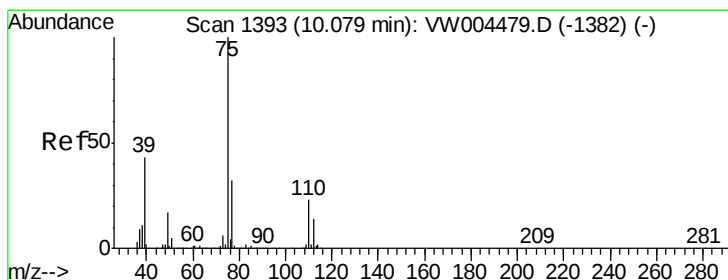
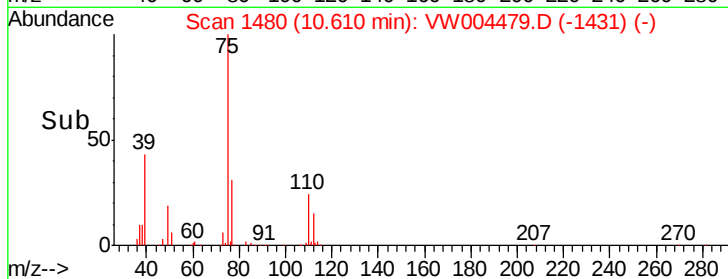
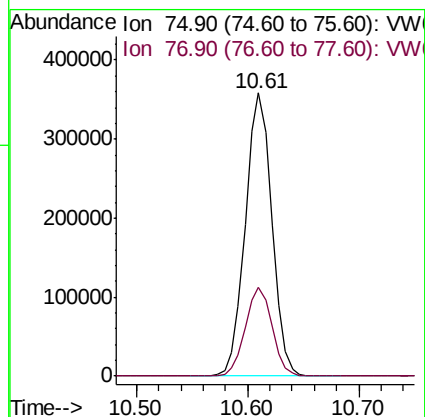
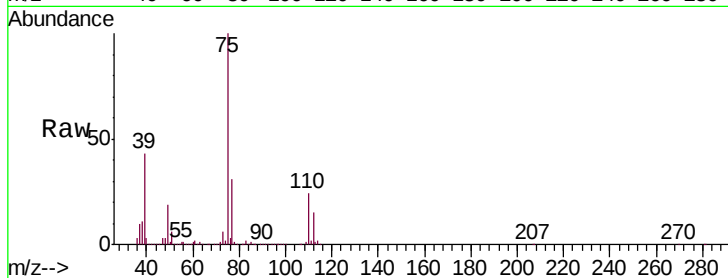
VSTDICCC050

Tgt Ion: 75 Resp: 593047

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 54.212 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

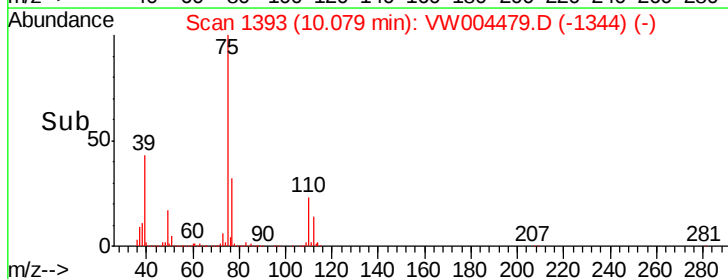
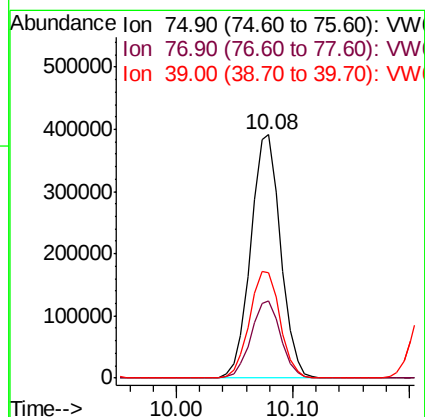
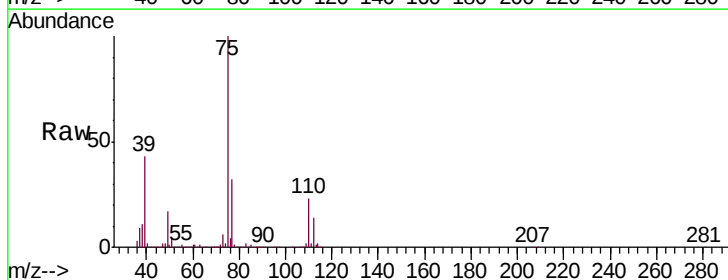
Tgt Ion: 75 Resp: 697701

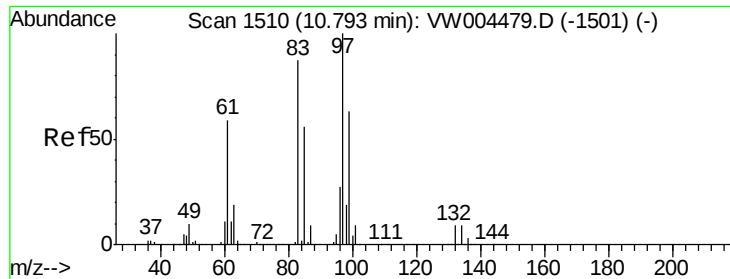
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 43.1 34.5 51.7

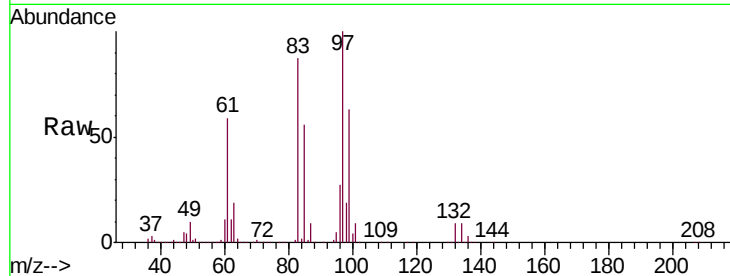




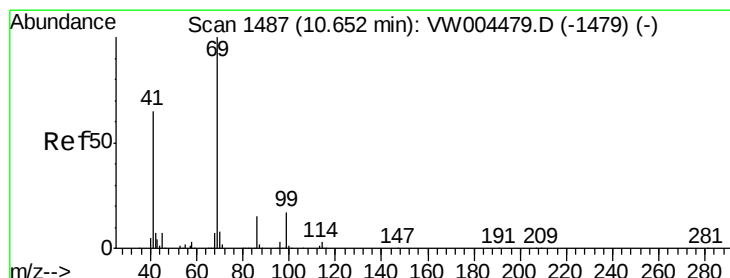
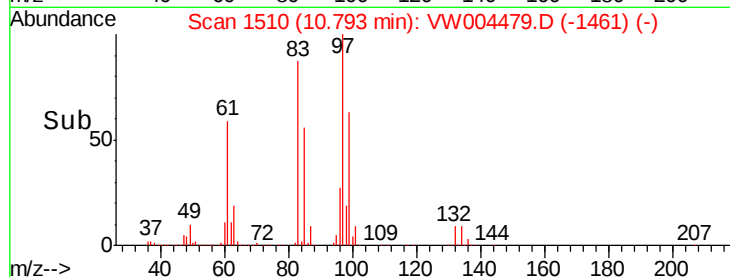
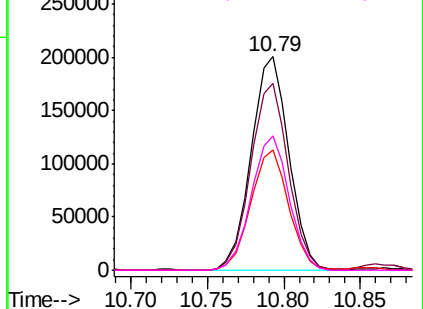
#55
 1,1,2-Trichloroethane
 Concen: 55.218 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:	97	Resp:	344985
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.8
85	56.4	45.1	67.7
99	62.9	50.3	75.5

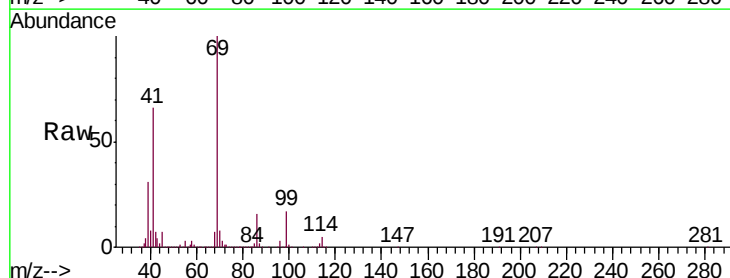


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

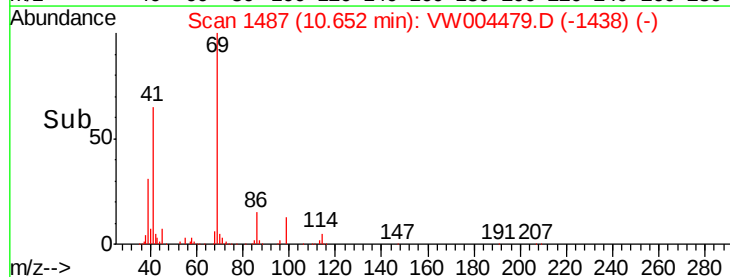
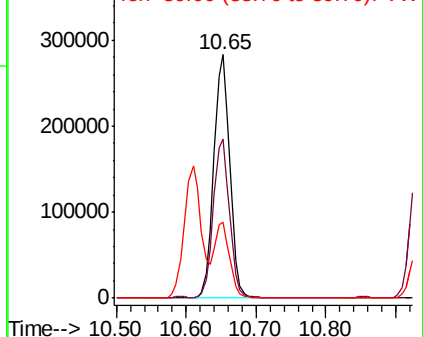


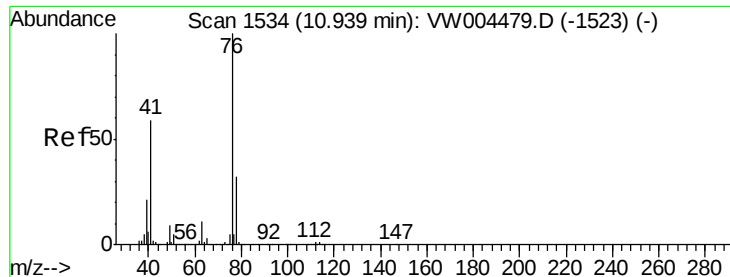
#56
 Ethyl methacrylate
 Concen: 59.343 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion:	69	Resp:	450665
Ion	Ratio	Lower	Upper
69	100		
41	65.5	52.4	78.6
39	28.4	22.7	34.1



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 56.481 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

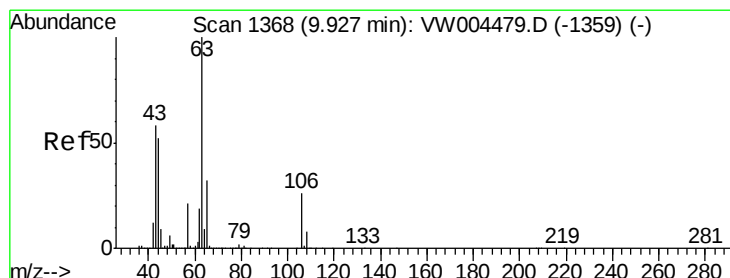
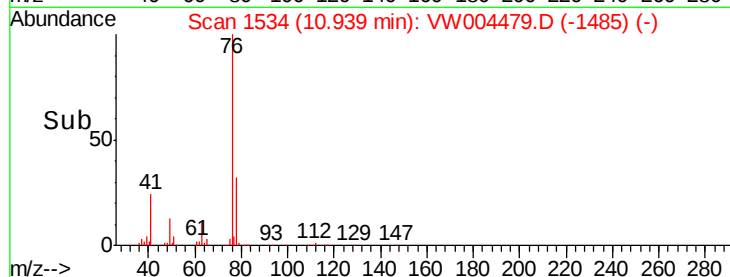
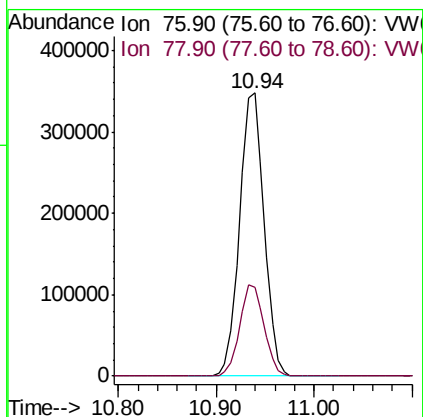
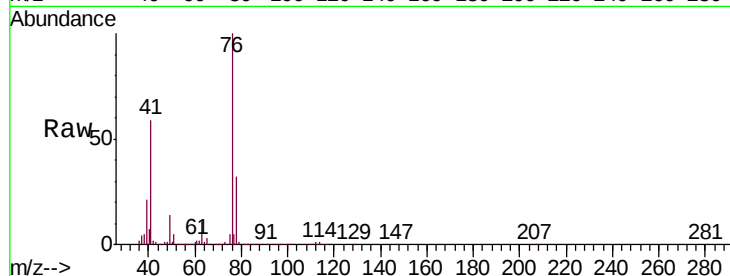
VSTDICCC050

Tgt Ion: 76 Resp: 603189

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 317.712 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004479.D

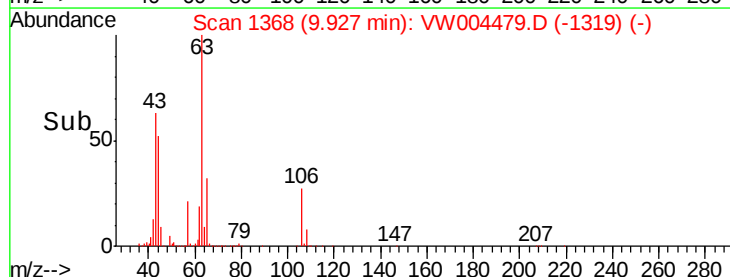
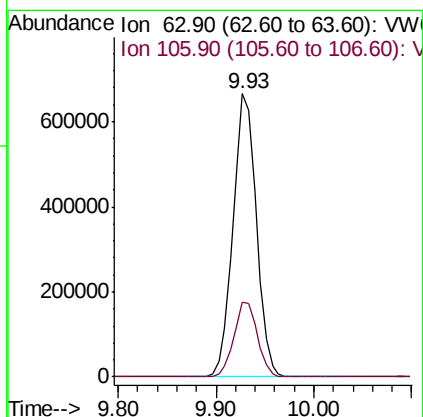
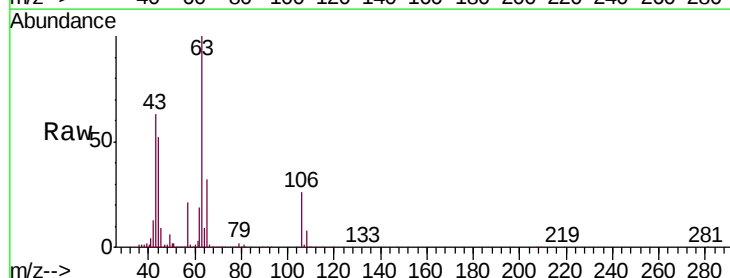
Acq: 06 Aug 2018 19:35

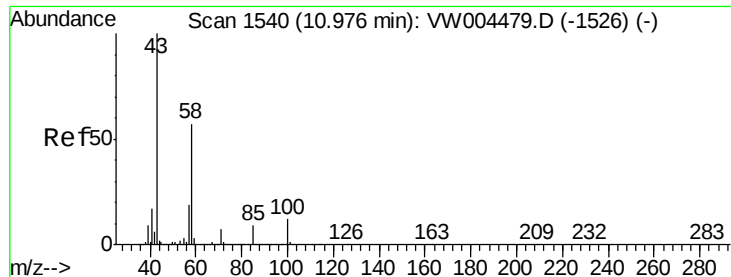
Tgt Ion: 63 Resp: 1104290

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9

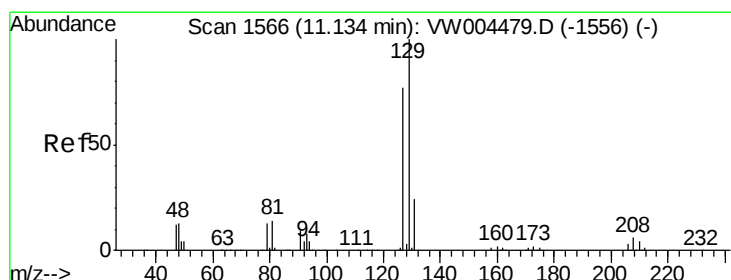
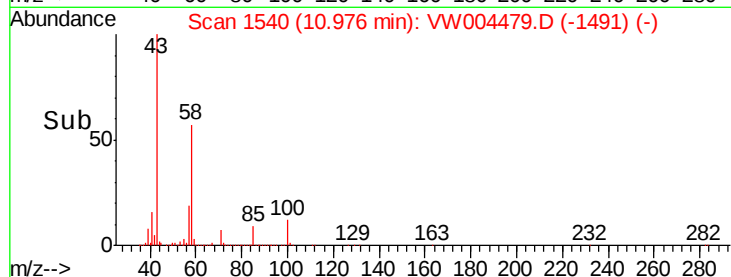
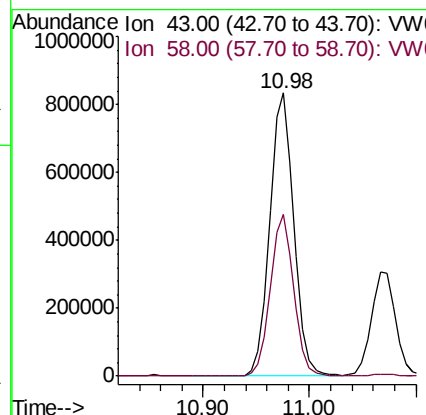
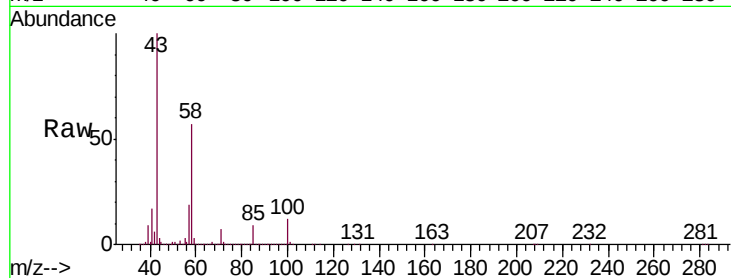




#59
2-Hexanone
Concen: 362.522 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

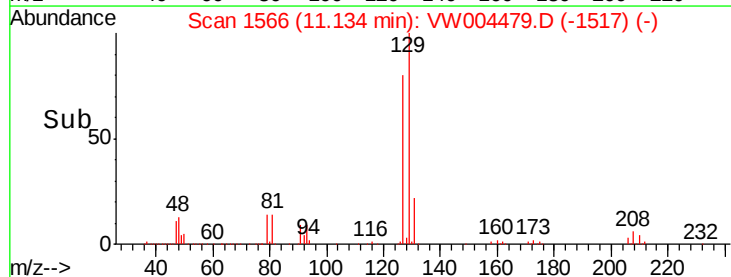
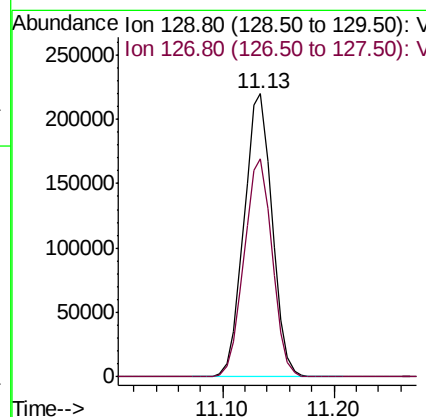
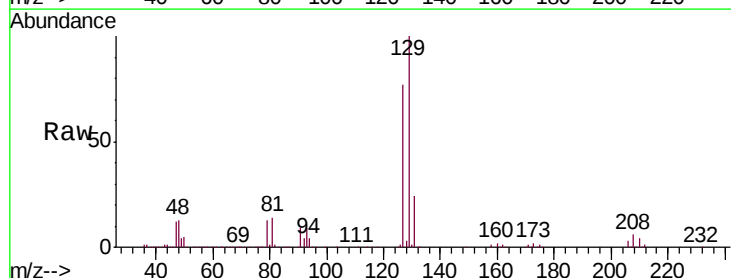
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

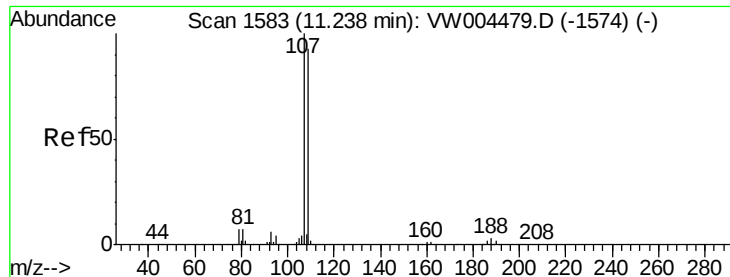
Tgt Ion: 43 Resp: 1317275
Ion Ratio Lower Upper
43 100
58 55.7 27.9 83.6



#60
Dibromochloromethane
Concen: 51.748 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 129 Resp: 383850
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.032 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

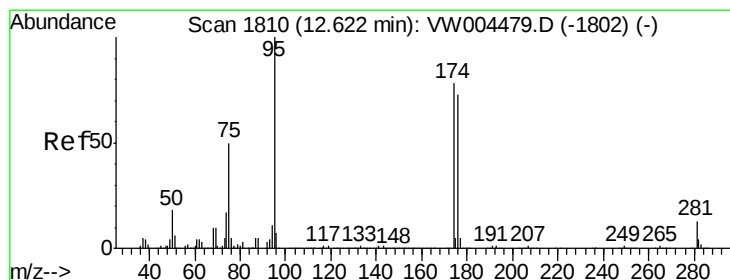
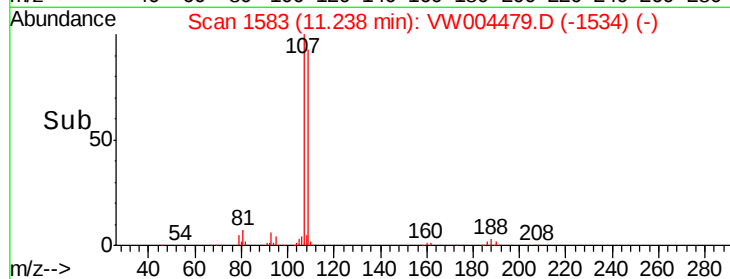
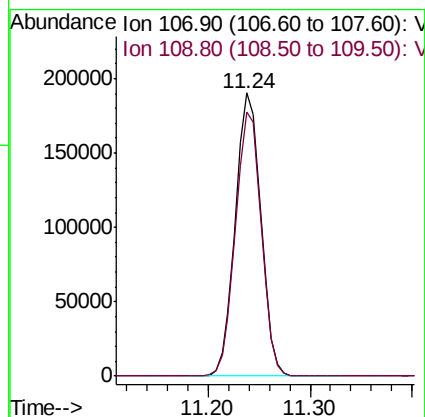
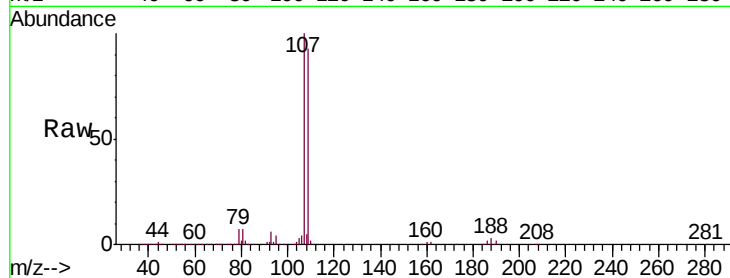
VSTDICCC050

Tgt Ion: 107 Resp: 328471

Ion Ratio Lower Upper

107 100

109 94.6 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 55.057 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

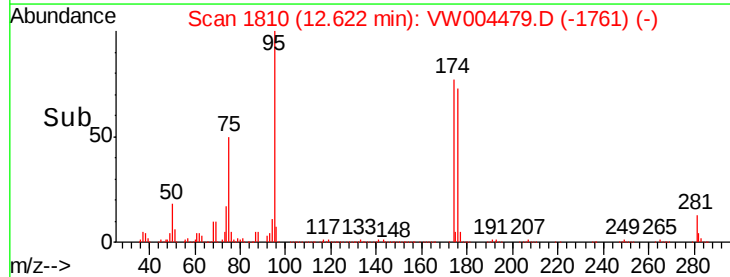
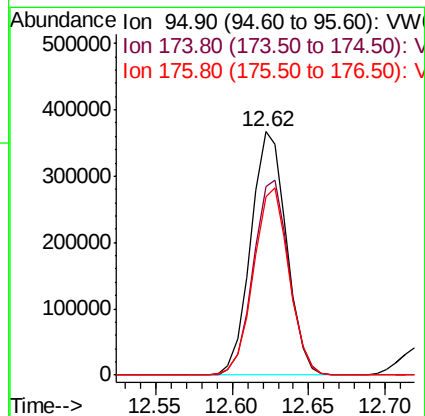
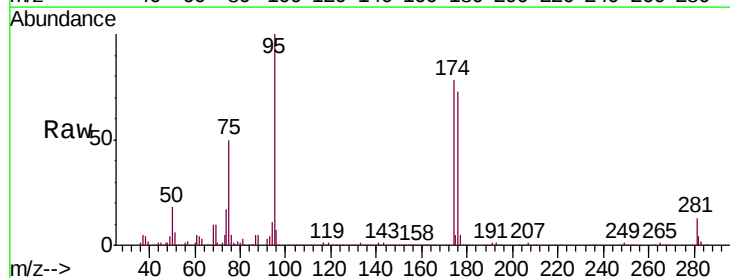
Tgt Ion: 95 Resp: 593463

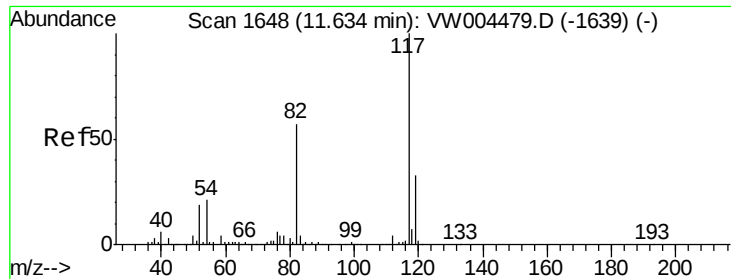
Ion Ratio Lower Upper

95 100

174 80.2 0.0 160.4

176 76.6 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: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

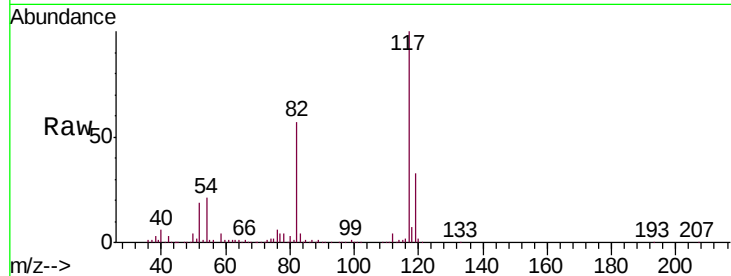
Tgt Ion:117 Resp: 1136963

Ion Ratio Lower Upper

117 100

82 56.6 45.3 67.9

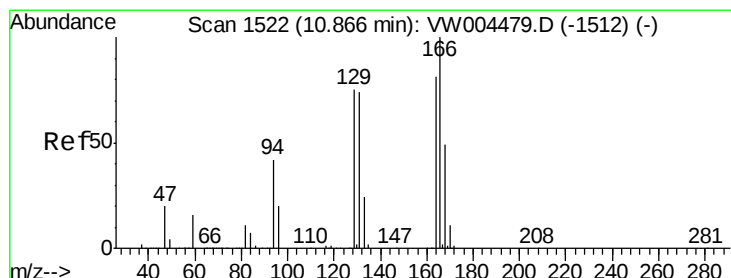
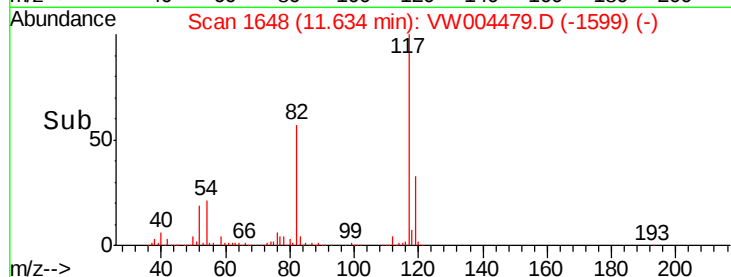
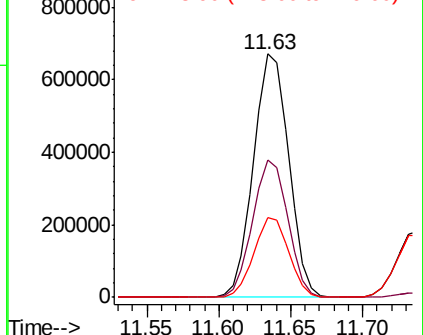
119 32.8 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.609 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion:164 Resp: 393862

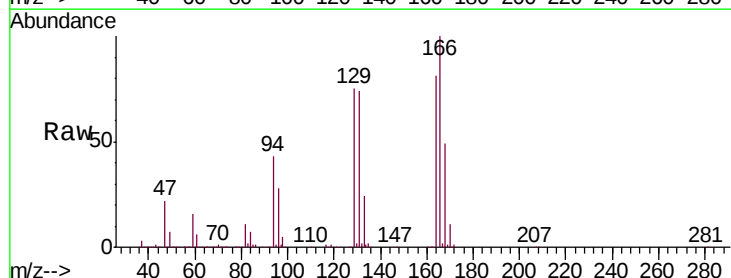
Ion Ratio Lower Upper

164 100

166 123.0 98.4 147.6

129 92.0 73.6 110.4

131 91.4 73.1 109.7

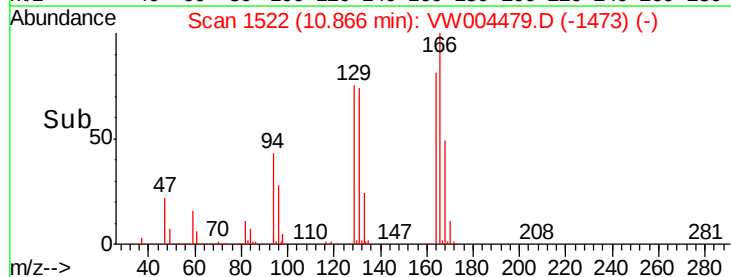
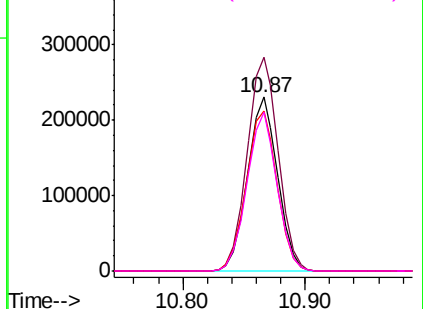


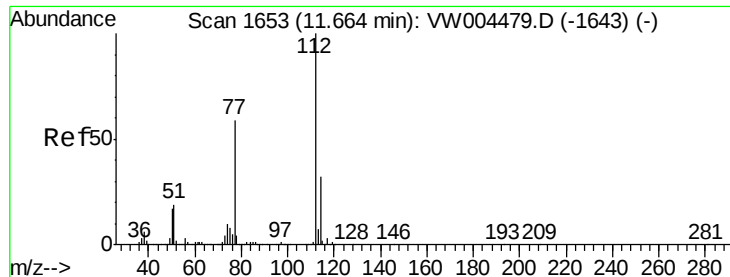
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 52.040 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

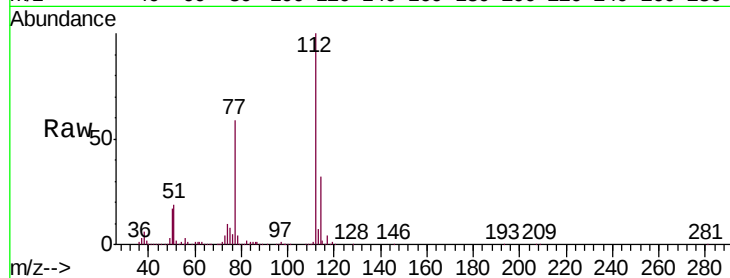
VSTDICCC050

Tgt Ion:112 Resp: 1246055

Ion Ratio Lower Upper

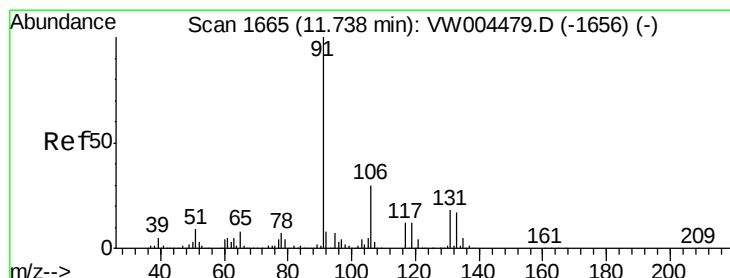
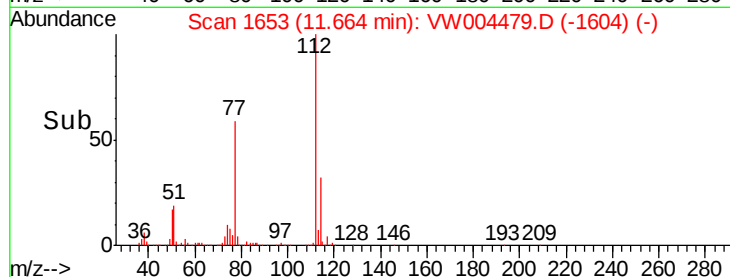
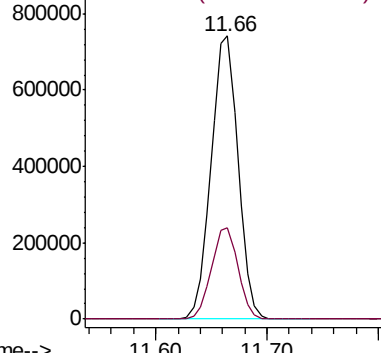
112 100

114 32.5 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.549 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

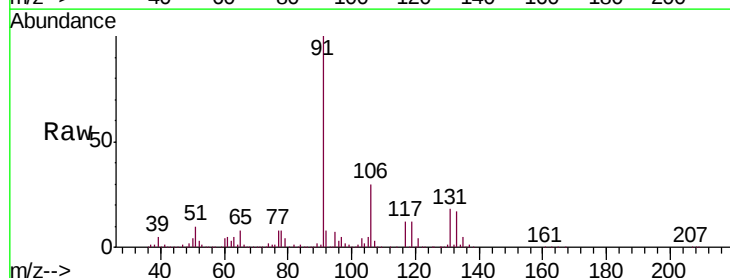
Tgt Ion:131 Resp: 427383

Ion Ratio Lower Upper

131 100

133 96.3 48.1 144.4

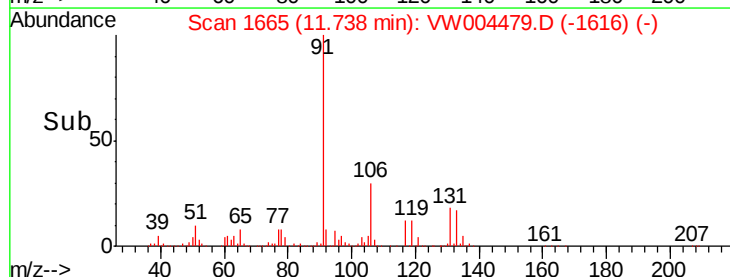
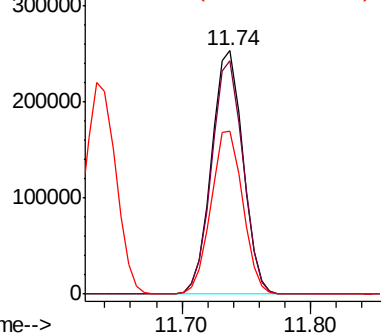
119 67.8 33.9 101.7

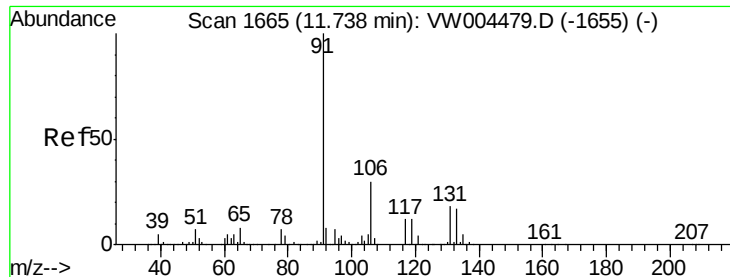


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

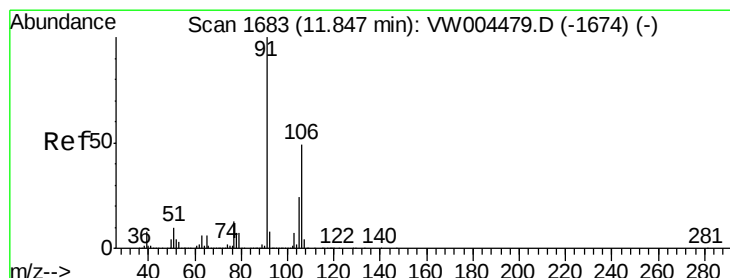
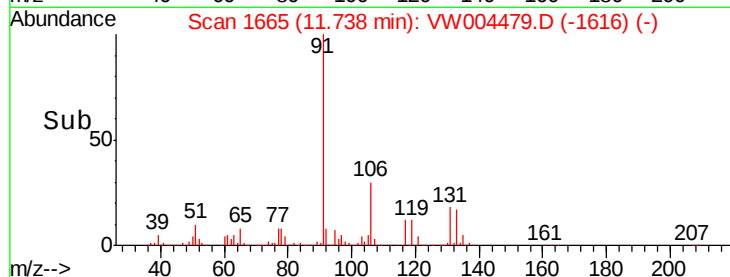
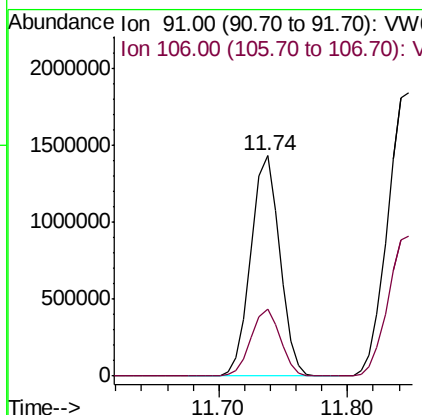
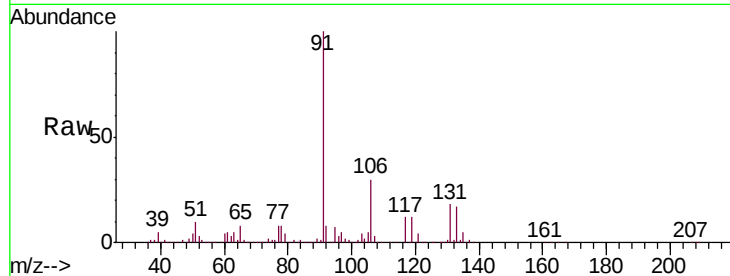




#67
Ethyl Benzene
Concen: 53.056 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

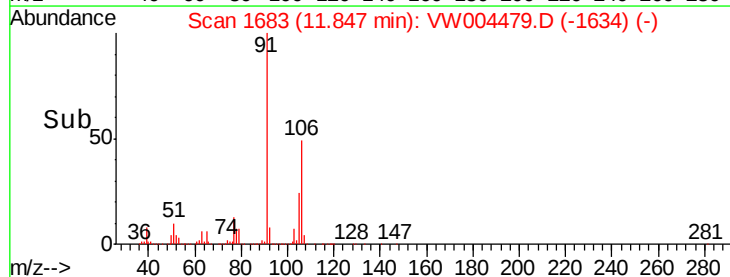
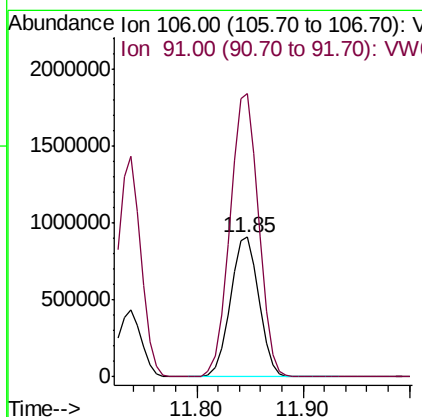
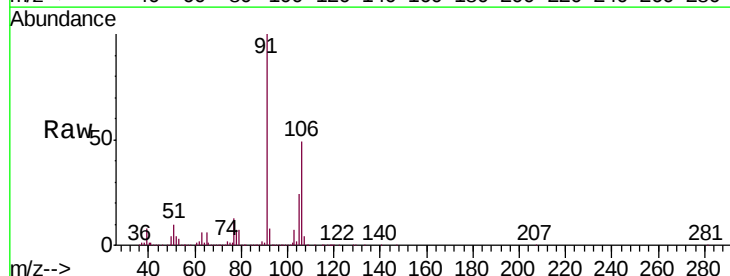
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

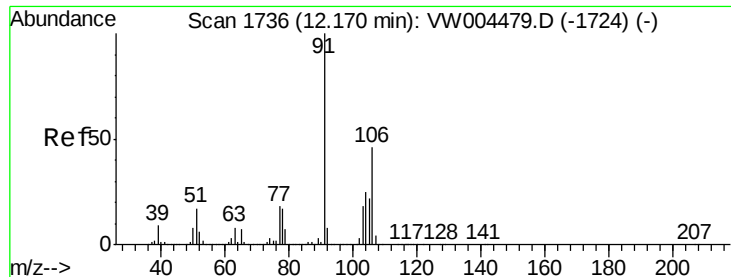
Tgt Ion: 91 Resp: 222359
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2



#68
m/p-Xylenes
Concen: 106.265 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 106 Resp: 1708993
Ion Ratio Lower Upper
106 100
91 203.5 162.8 244.2

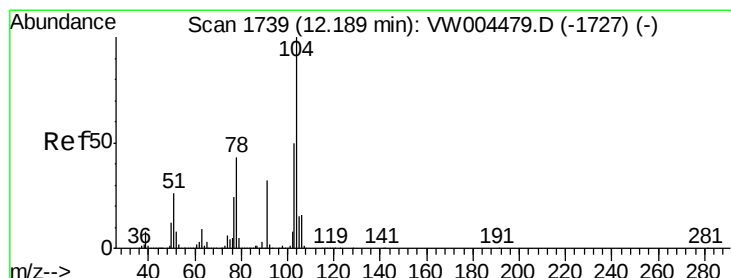
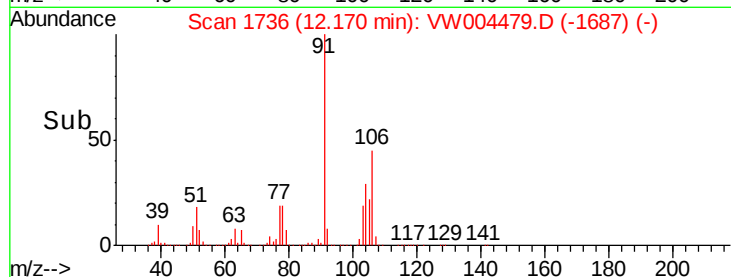
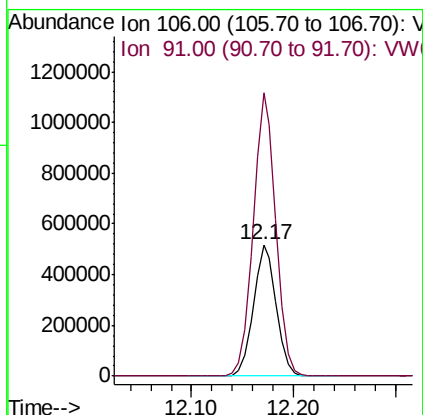
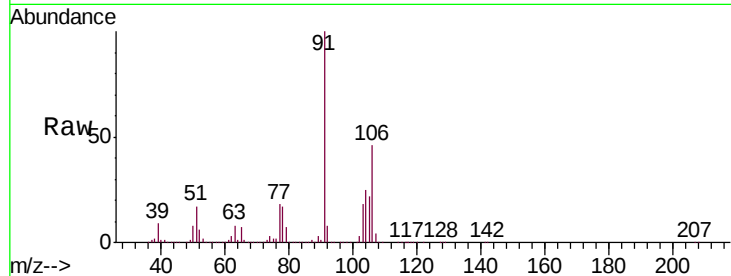




#69
o-Xylene
Concen: 54.174 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

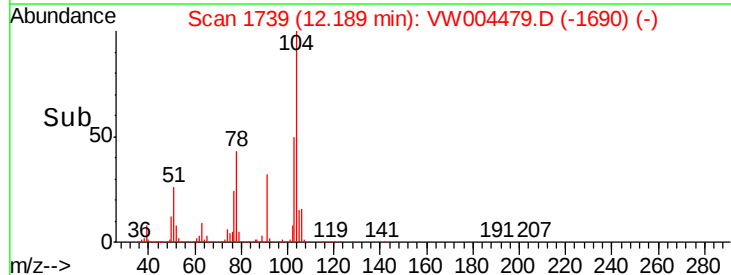
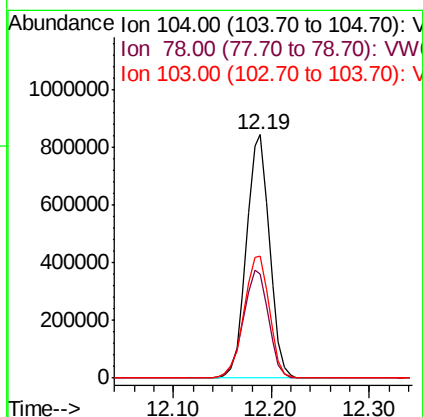
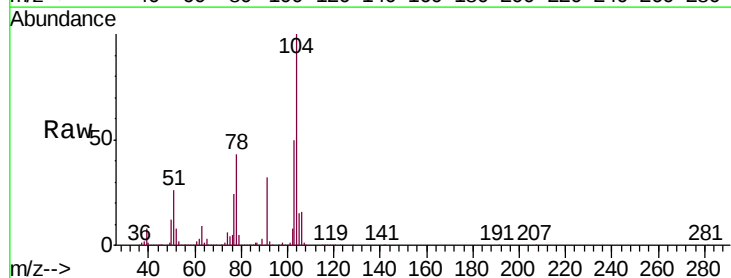
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

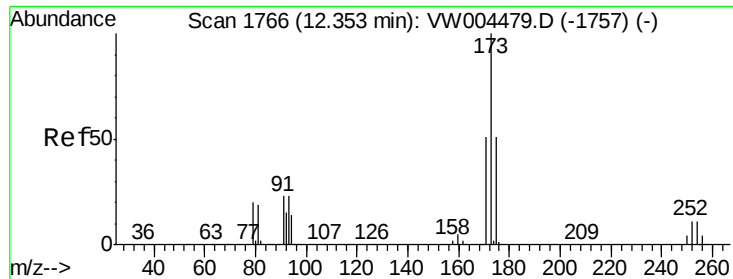
Tgt Ion:106 Resp: 805654
Ion Ratio Lower Upper
106 100
91 213.5 106.7 320.2



#70
Styrene
Concen: 54.675 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion:104 Resp: 1379008
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.4
103 55.2 44.2 66.2

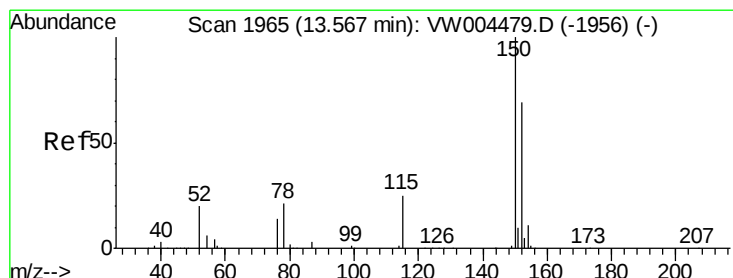
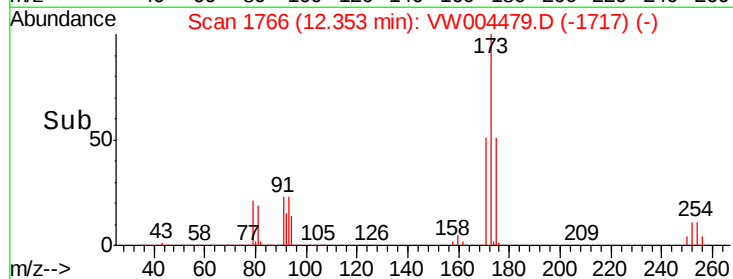
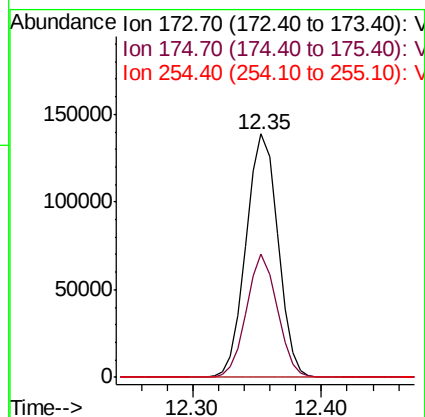
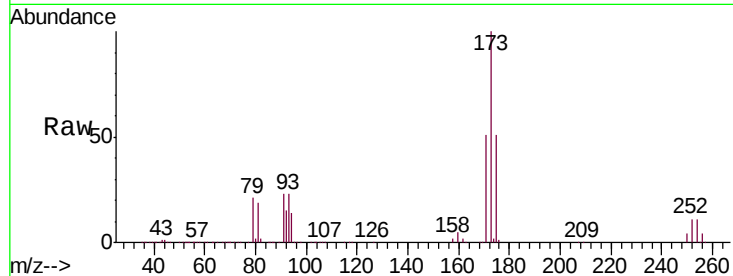




#71
 Bromoform
 Concen: 50.174 ug/l
 RT: 12.35 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

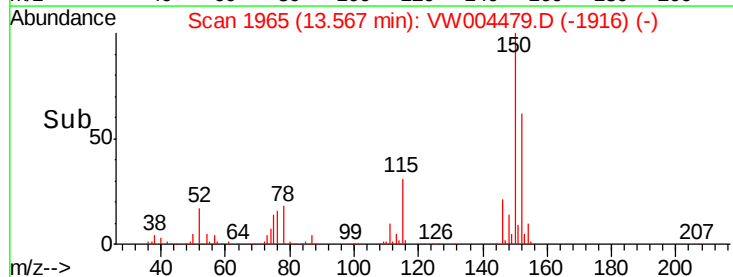
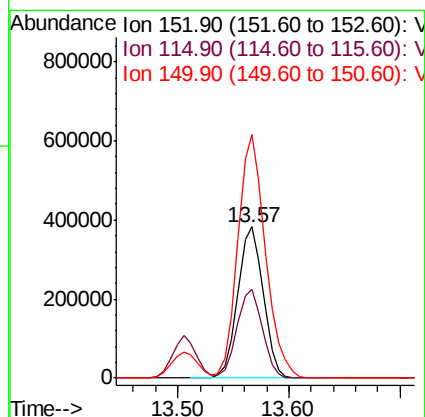
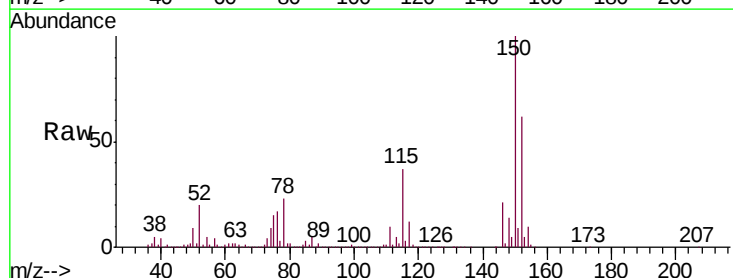
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

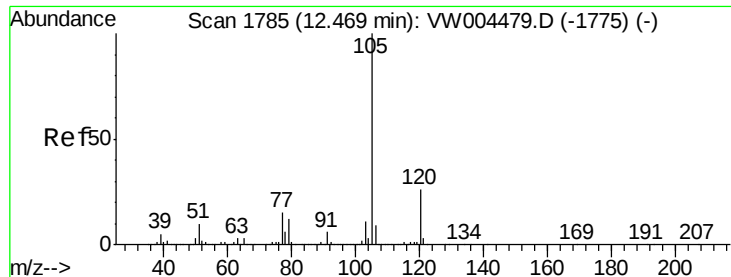
Tgt Ion:173 Resp: 237192
 Ion Ratio Lower Upper
 173 100
 175 49.0 24.5 73.5
 254 0.2 0.2 0.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion:152 Resp: 604647
 Ion Ratio Lower Upper
 152 100
 115 58.2 29.1 87.3
 150 174.8 0.0 349.6





#73

Isopropylbenzene

Concen: 52.292 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

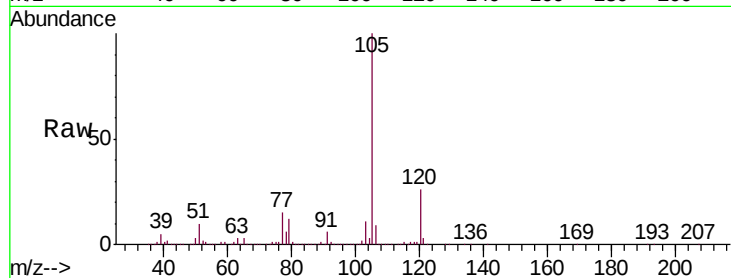
VSTDICCC050

Tgt Ion: 105 Resp: 2205527

Ion Ratio Lower Upper

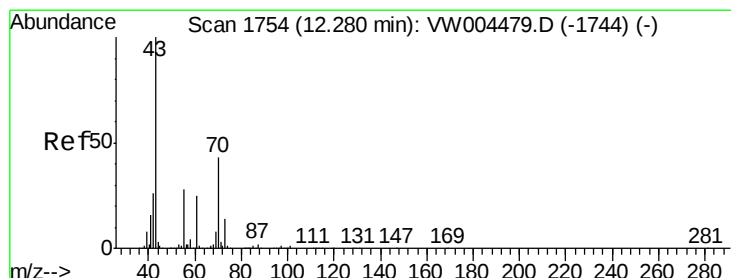
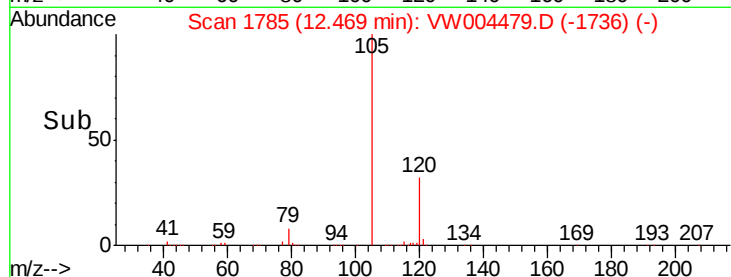
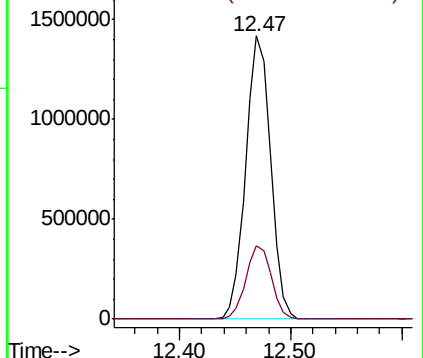
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.189 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion: 43 Resp: 529857

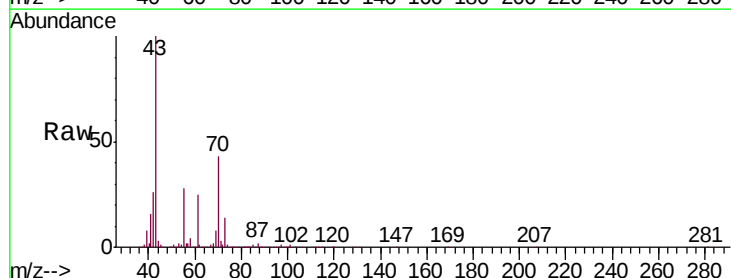
Ion Ratio Lower Upper

43 100

70 44.1 35.3 52.9

55 28.6 22.9 34.3

61 24.6 19.7 29.5

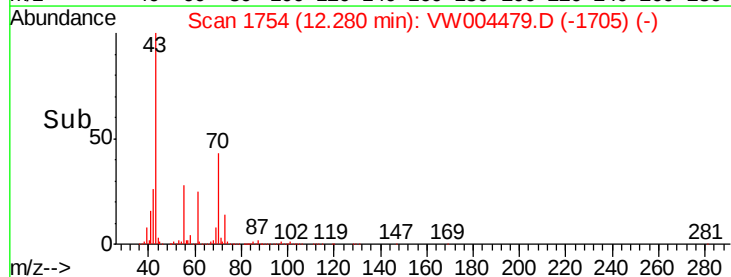
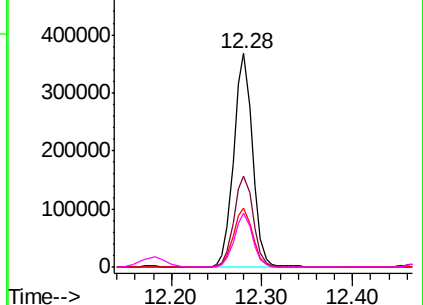


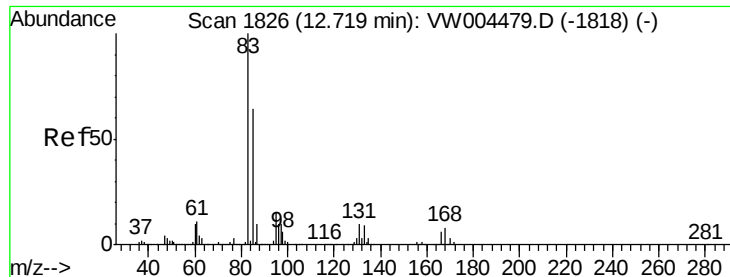
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 58.285 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

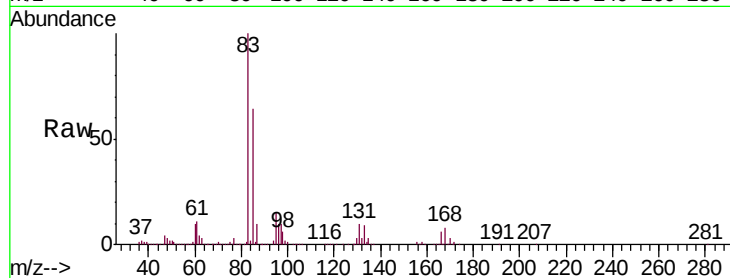
Tgt Ion: 83 Resp: 440604

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

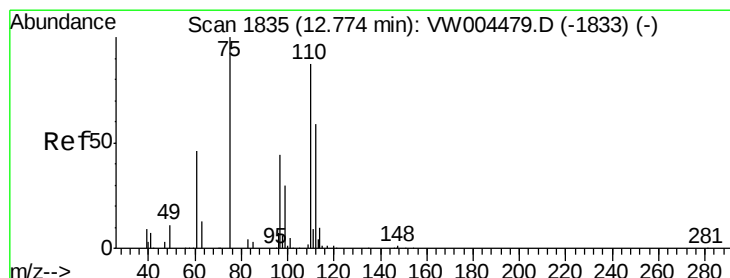
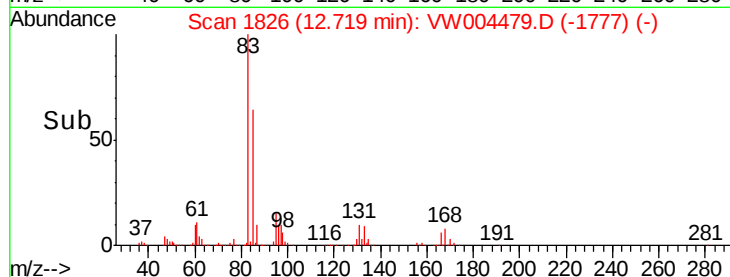
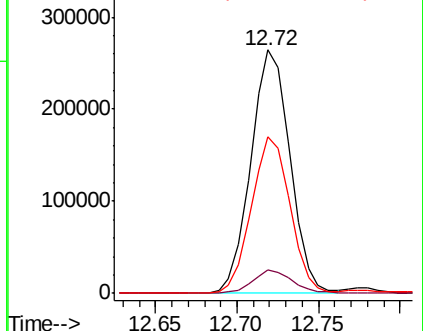
85 63.6 31.8 95.4



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: 103.918 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004479.D

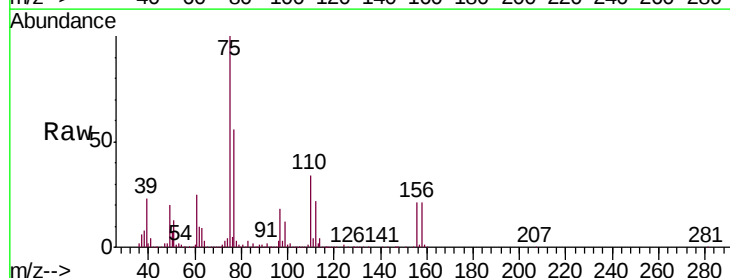
Acq: 06 Aug 2018 19:35

Tgt Ion: 75 Resp: 567830

Ion Ratio Lower Upper

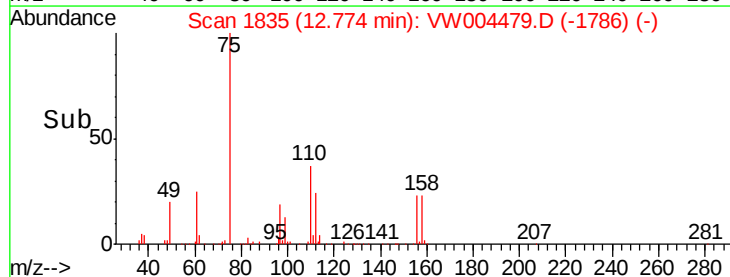
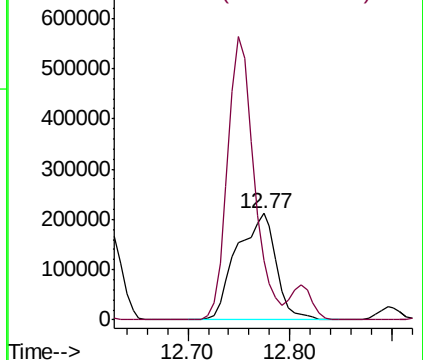
75 100

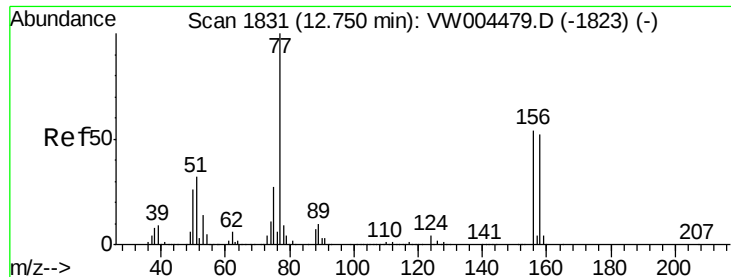
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

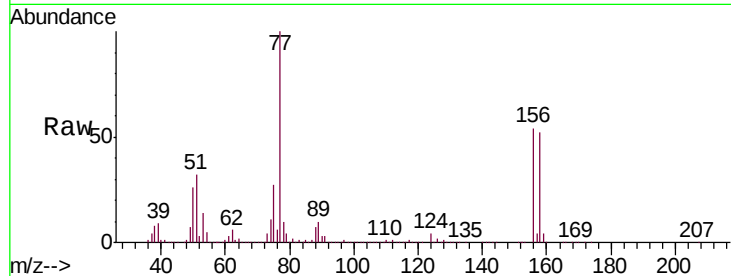




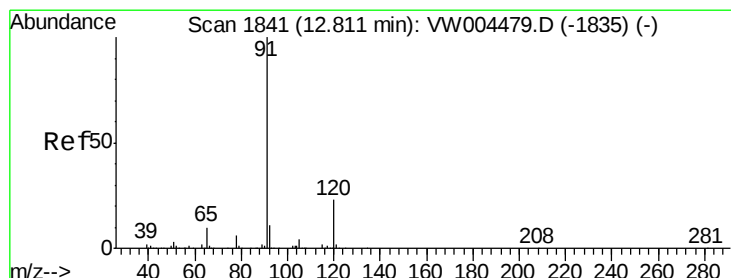
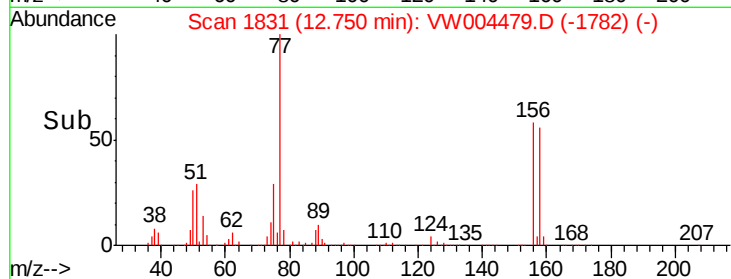
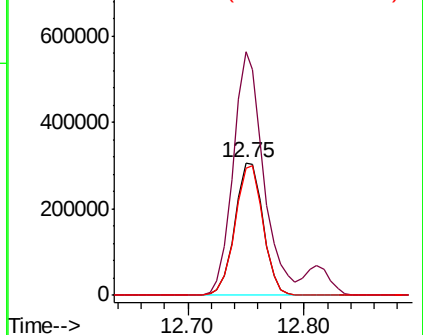
#77
Bromobenzene
Concen: 50.900 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 516525
Ion Ratio Lower Upper
156 100
77 197.4 98.7 296.1
158 97.4 48.7 146.1

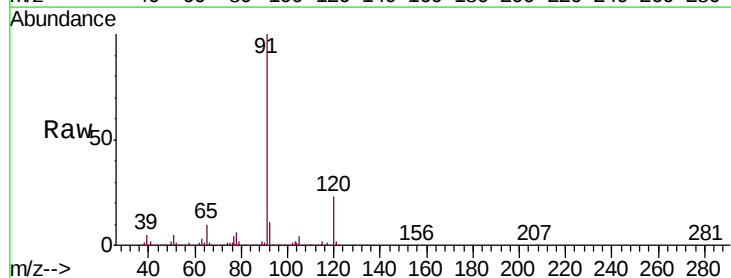


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

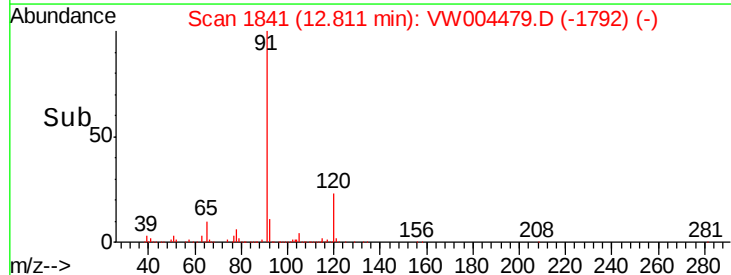
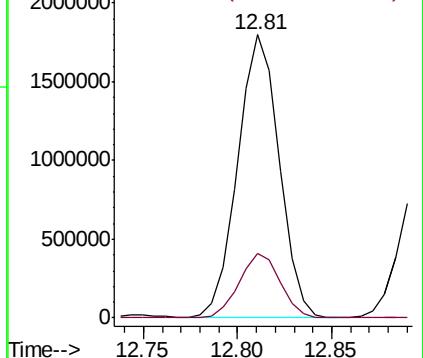


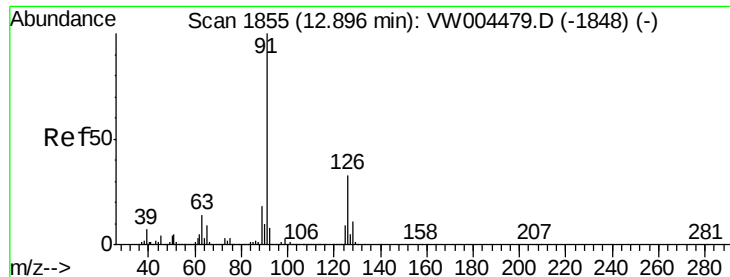
#78
n-propylbenzene
Concen: 53.532 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 91 Resp: 2744780
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V

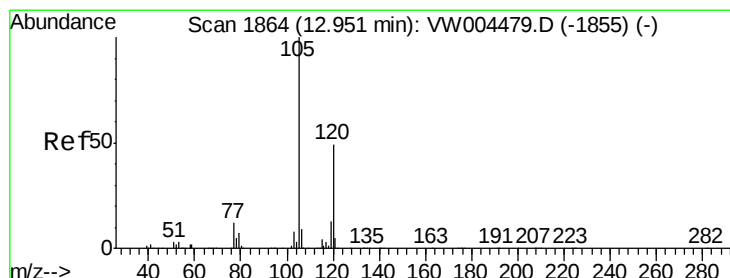
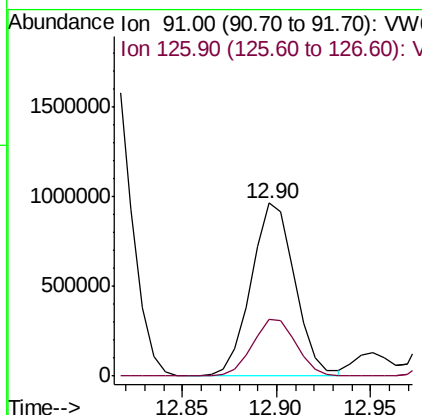
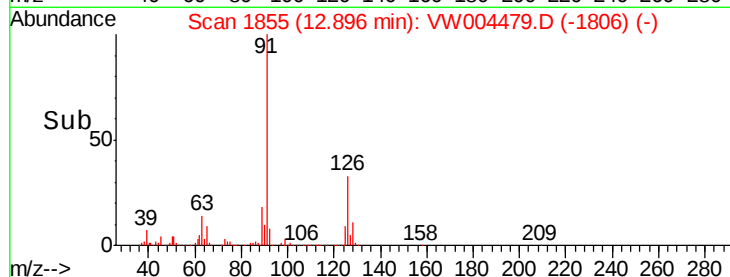
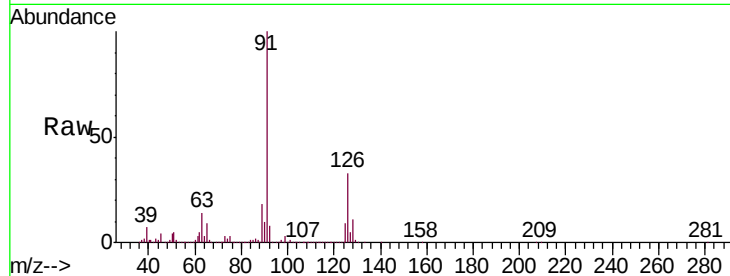




#79
 2-Chlorotoluene
 Concen: 52.936 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

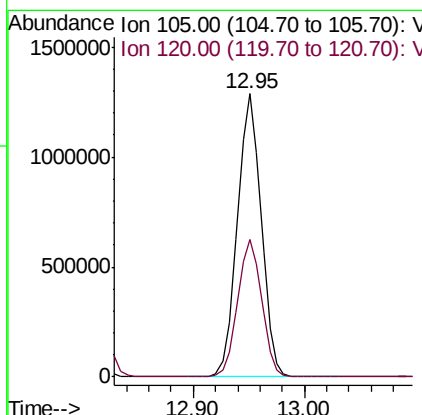
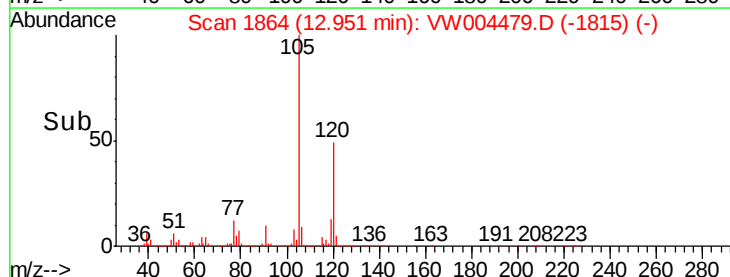
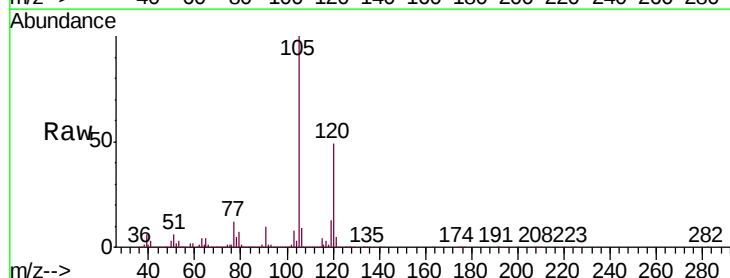
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

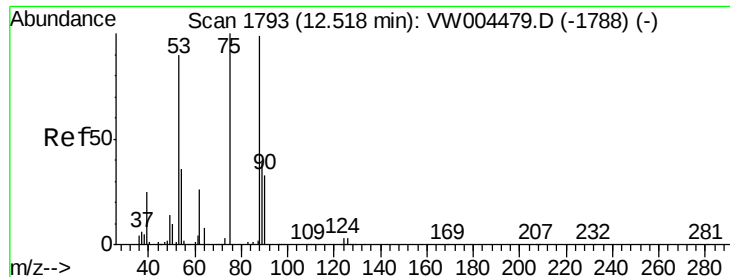
Tgt Ion: 91 Resp: 1555242
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 52.445 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion: 105 Resp: 1904516
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 73.8

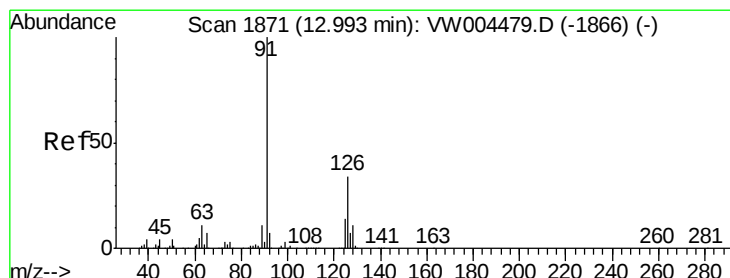
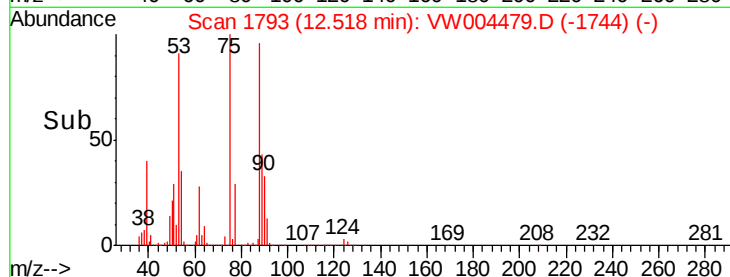
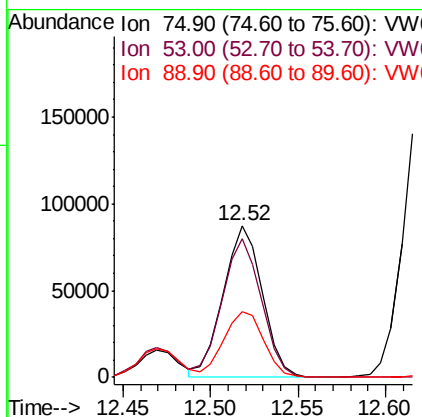
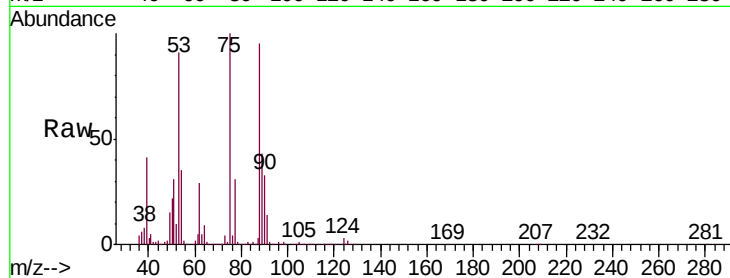




#81
trans-1,4-Dichloro-2-butene
Concen: 55.637 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

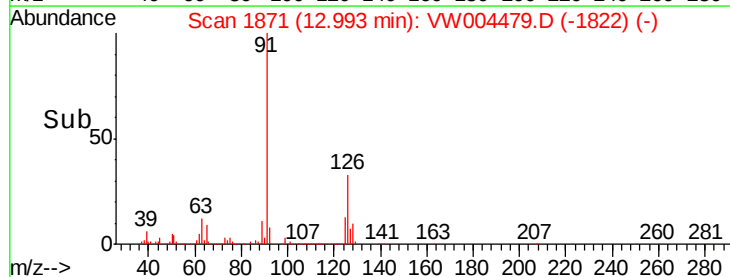
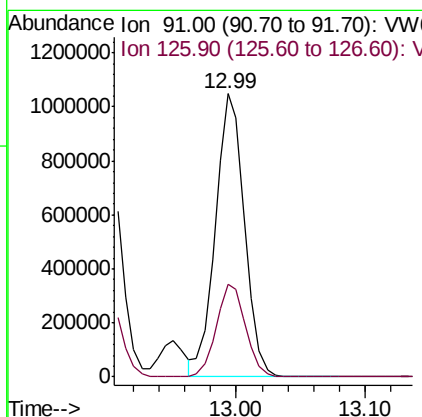
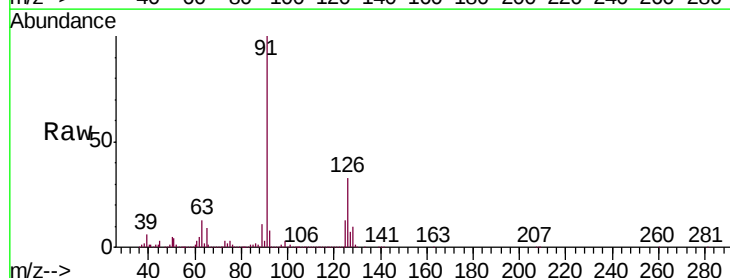
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

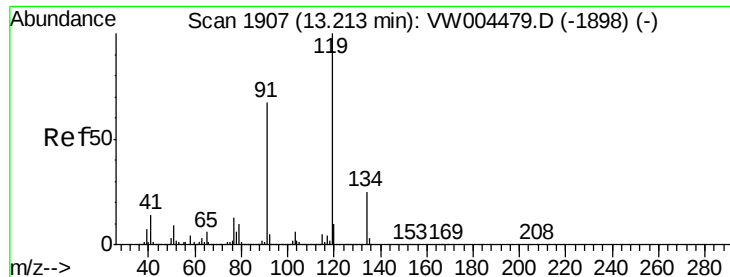
Tgt Ion: 75 Resp: 134047
Ion Ratio Lower Upper
75 100
53 93.0 74.4 111.6
89 44.9 35.9 53.9



#82
4-Chlorotoluene
Concen: 52.848 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 91 Resp: 1652051
Ion Ratio Lower Upper
91 100
126 33.0 16.5 49.5





#83

tert-Butylbenzene

Concen: 53.171 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

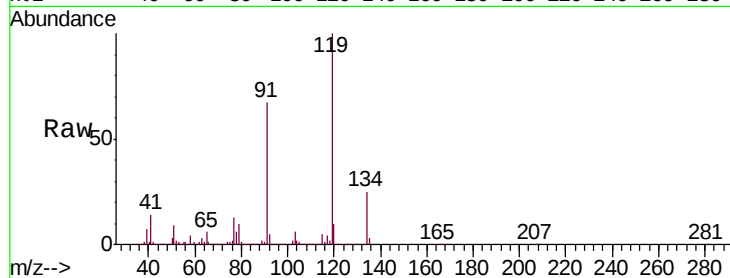
Tgt Ion:119 Resp: 1605746

Ion Ratio Lower Upper

119 100

91 66.5 33.3 99.8

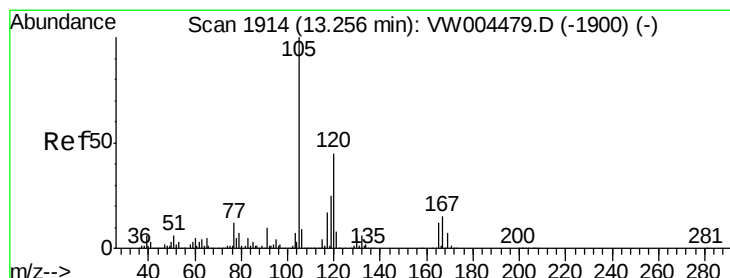
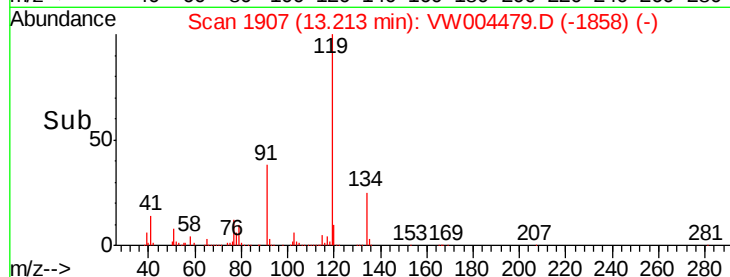
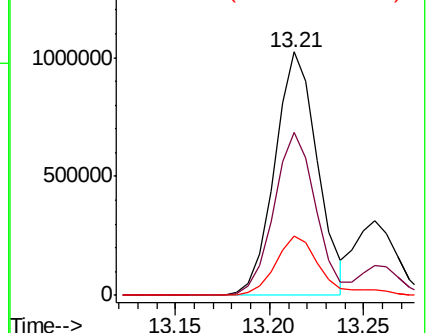
134 24.4 12.2 36.6



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: 53.018 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VW004479.D

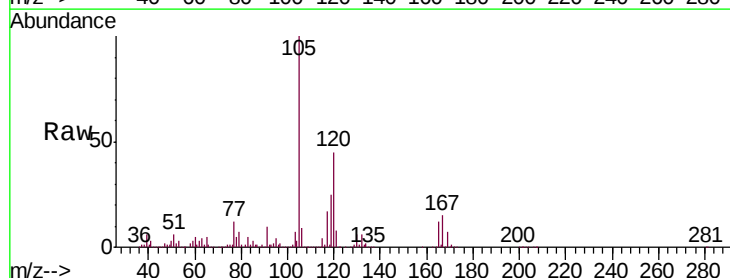
Acq: 06 Aug 2018 19:35

Tgt Ion:105 Resp: 1968114

Ion Ratio Lower Upper

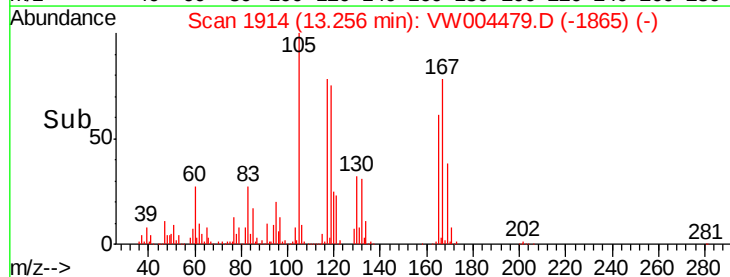
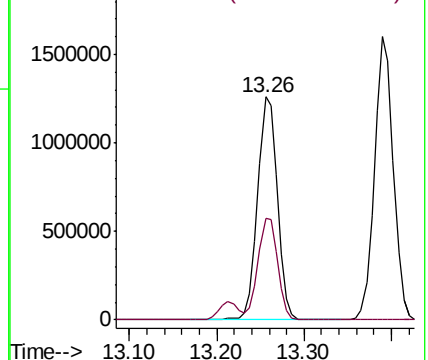
105 100

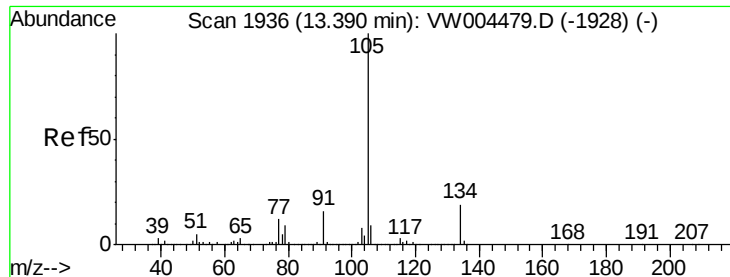
120 45.2 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

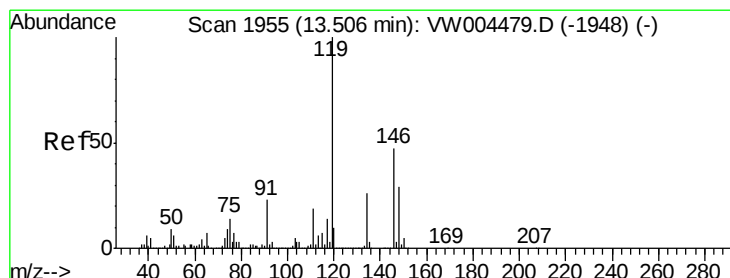
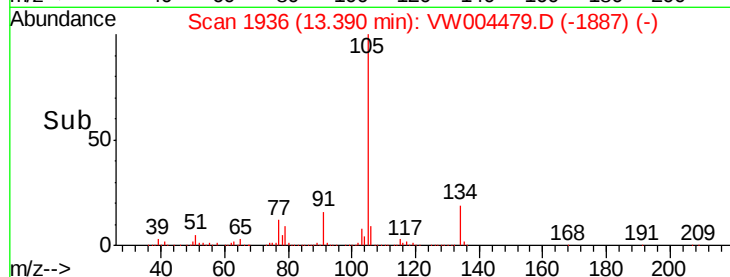
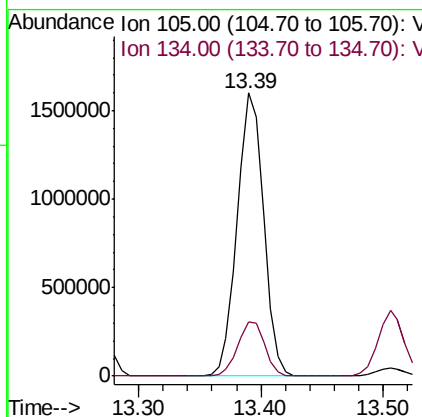
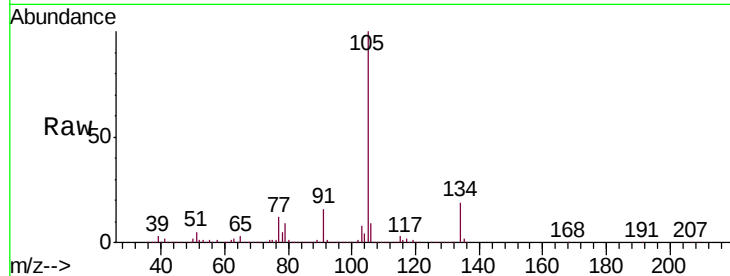




#85
 sec-Butylbenzene
 Concen: 54.124 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

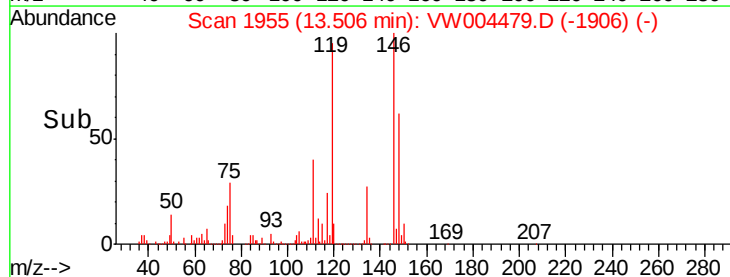
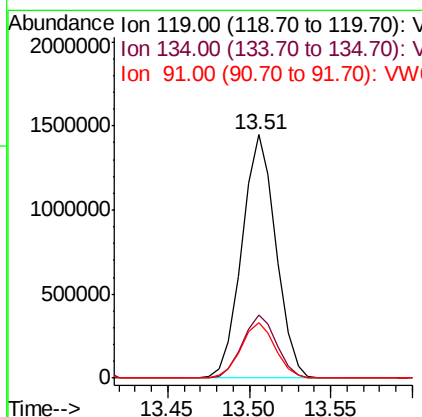
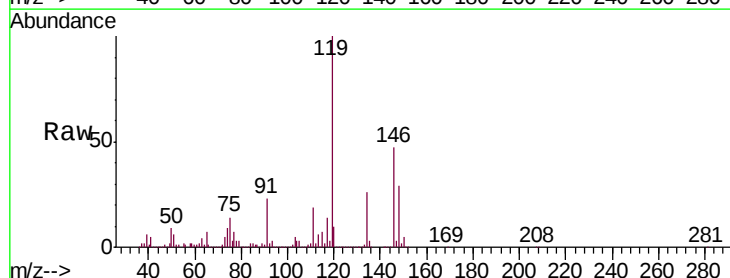
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

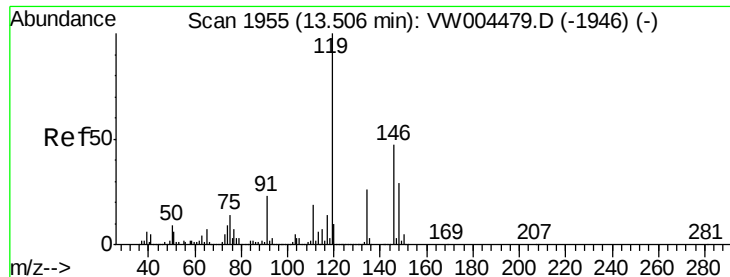
Tgt Ion:105 Resp: 2390522
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 53.094 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion:119 Resp: 2099695
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 22.7 11.4 34.1

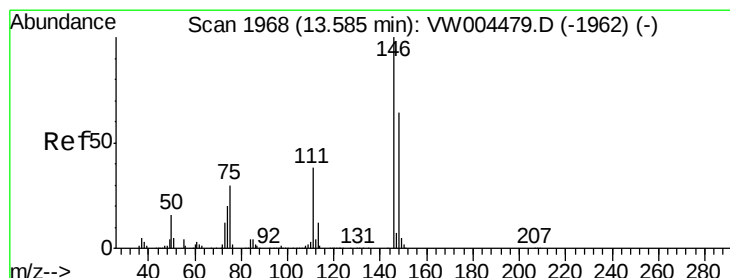
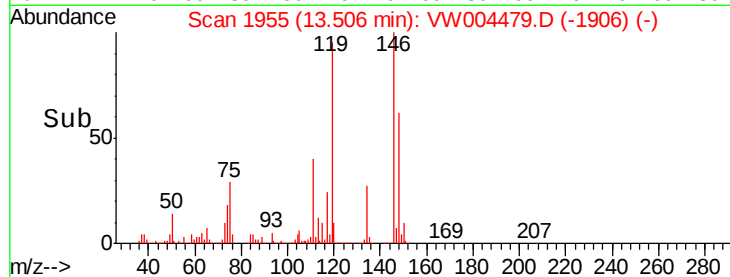
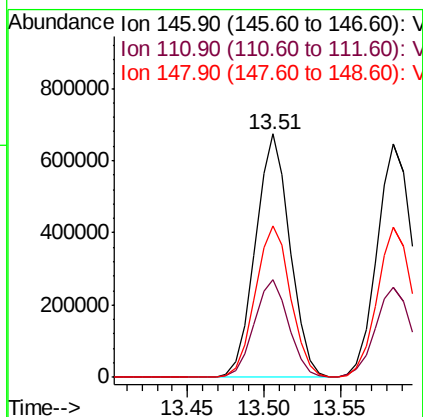
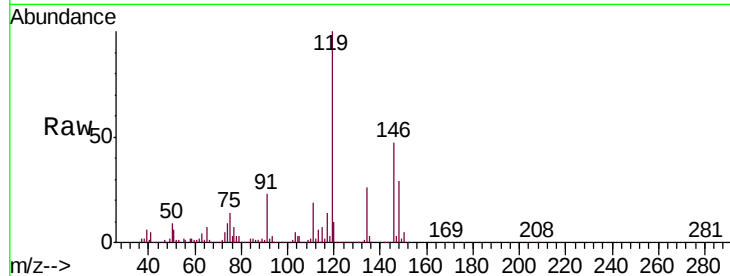




#87
 1,3-Dichlorobenzene
 Concen: 51.734 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

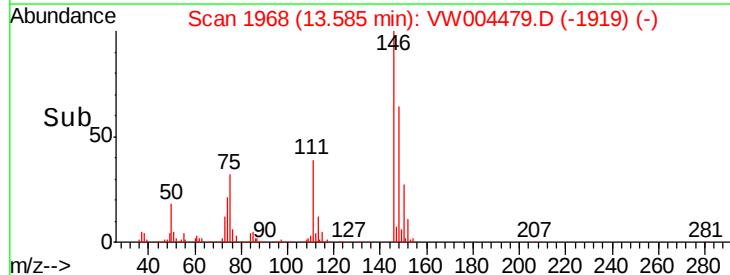
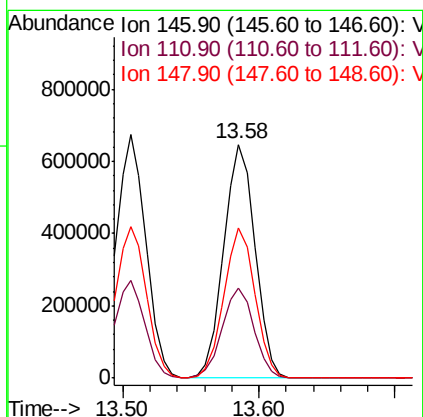
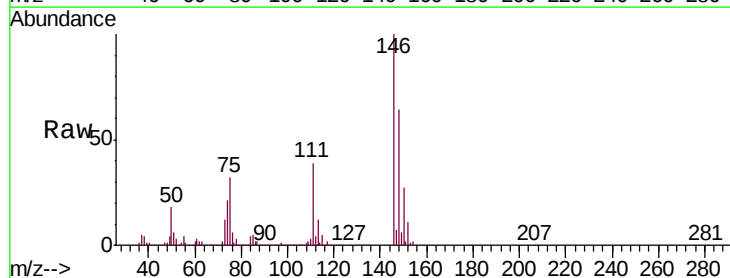
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

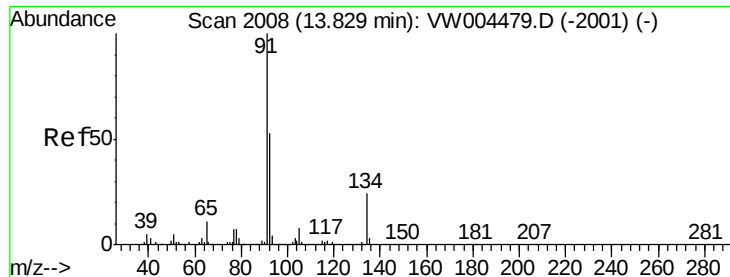
Tgt Ion:146 Resp: 1056696
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 63.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 50.863 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion:146 Resp: 1036047
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.8
 148 63.7 31.9 95.5





#89

n-Butylbenzene

Concen: 55.149 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

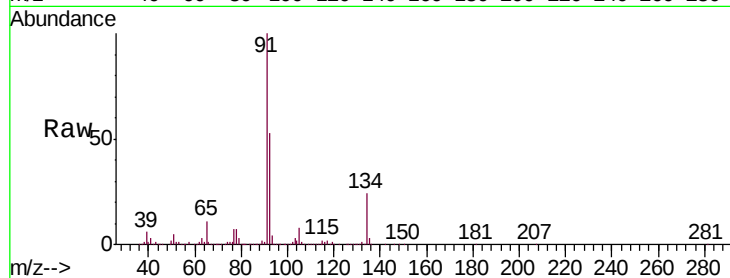
Tgt Ion: 91 Resp: 2055834

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.0

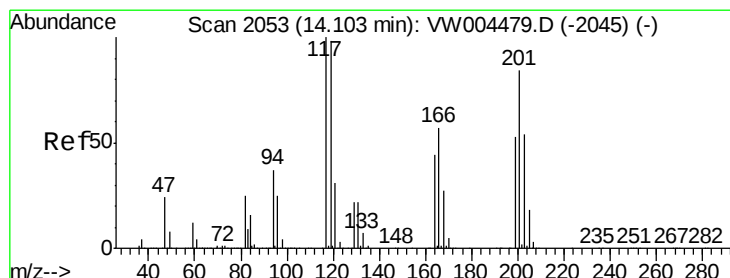
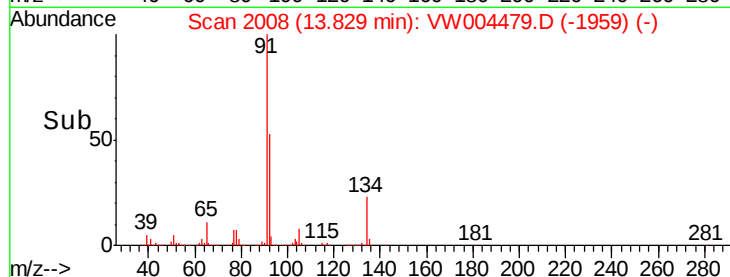
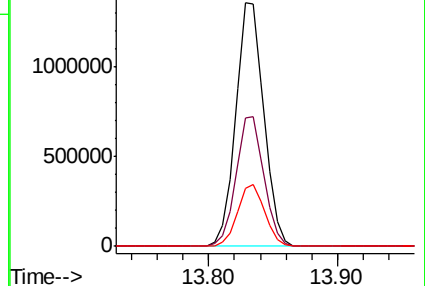
134 24.8 12.4 37.2



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: 51.659 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004479.D

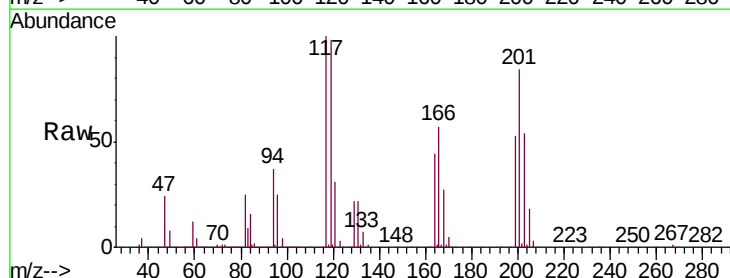
Acq: 06 Aug 2018 19:35

Tgt Ion: 117 Resp: 365262

Ion Ratio Lower Upper

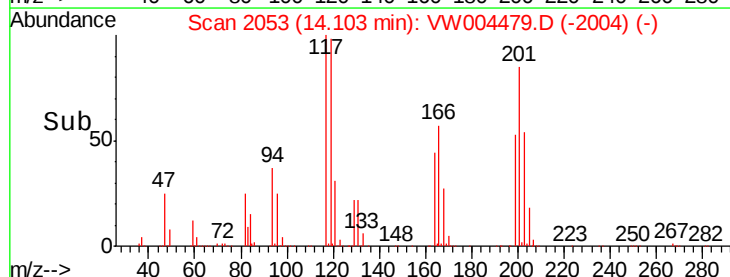
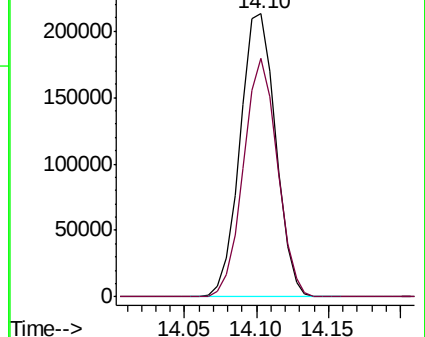
117 100

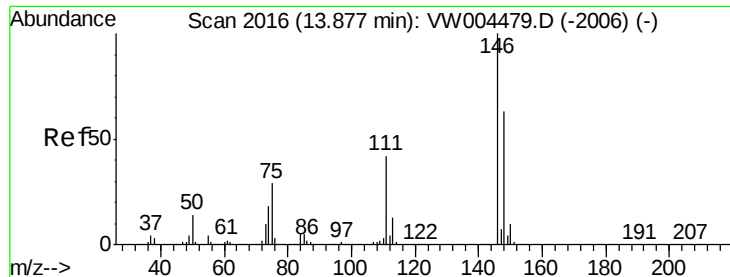
201 80.2 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

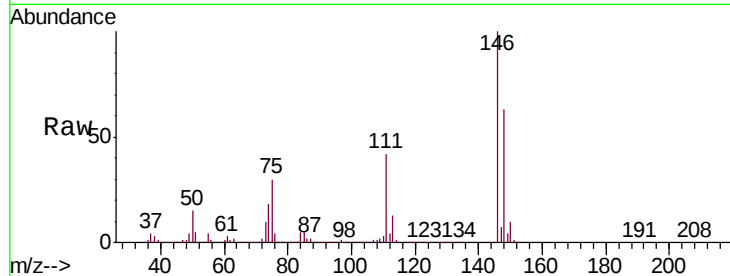




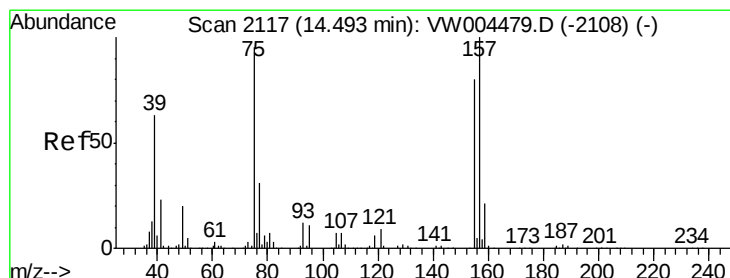
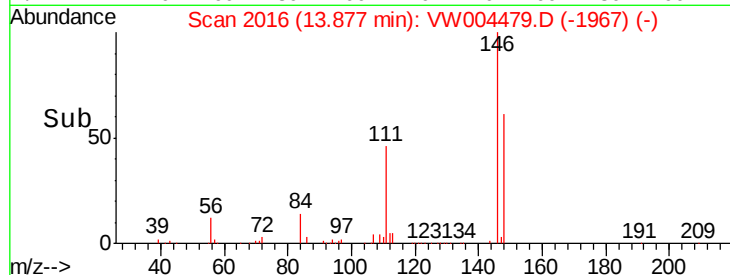
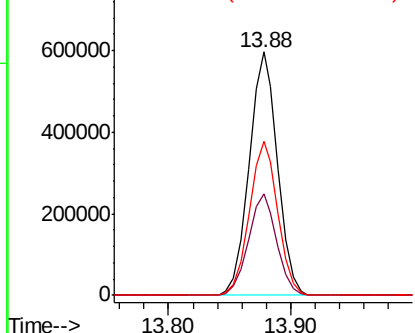
#91
 1,2-Dichlorobenzene
 Concen: 52.218 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 956339
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 63.6 31.8 95.4

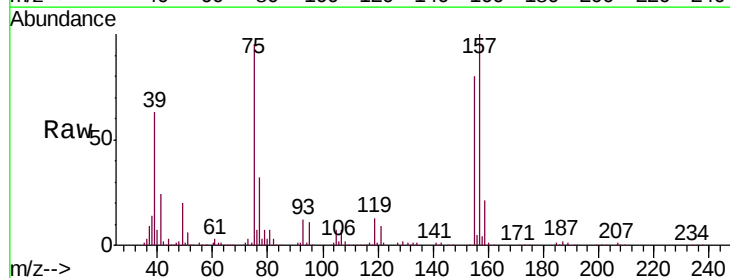


Abundance Ion 145.90 (145.60 to 146.60): V
 800000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

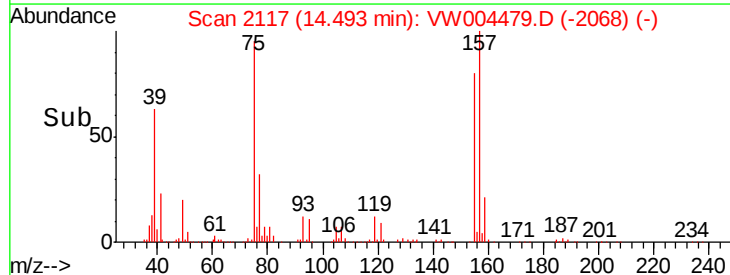
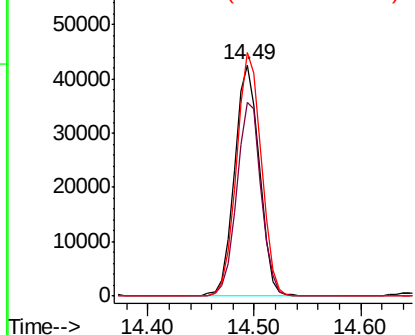


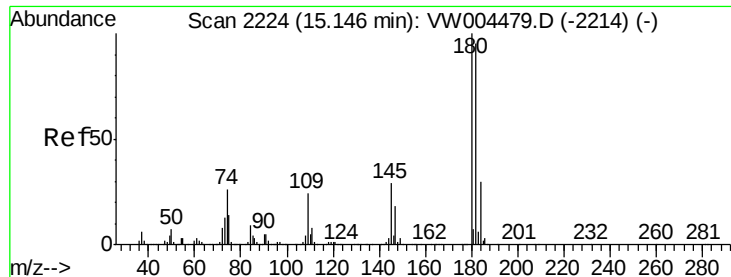
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.422 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion: 75 Resp: 69918
 Ion Ratio Lower Upper
 75 100
 155 82.5 41.3 123.7
 157 105.2 52.6 157.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 60000 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

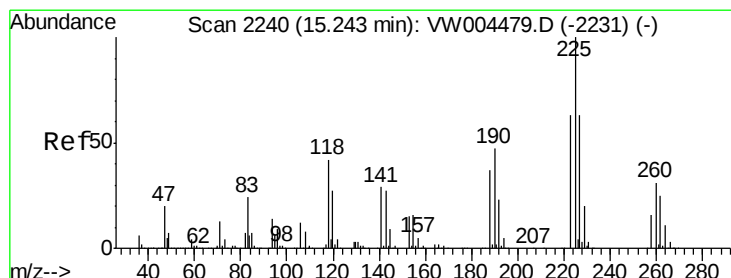
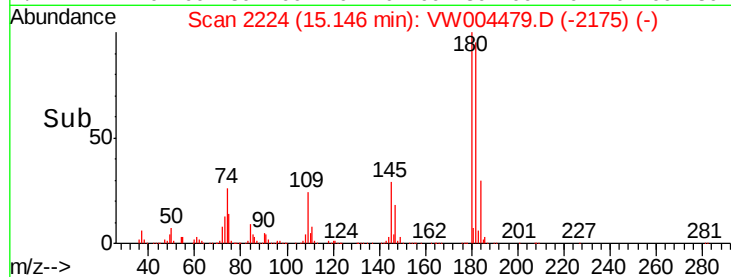
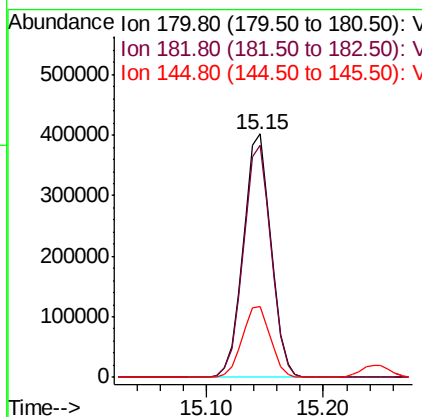
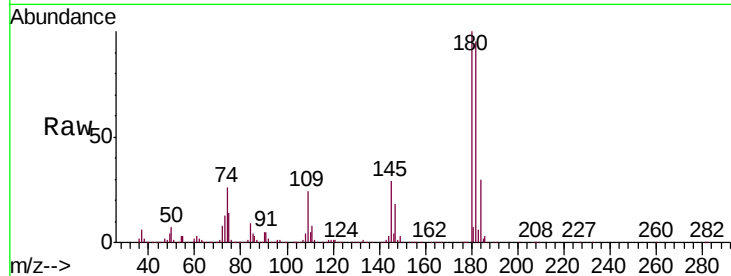




#93
 1,2,4-Trichlorobenzene
 Concen: 52.027 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

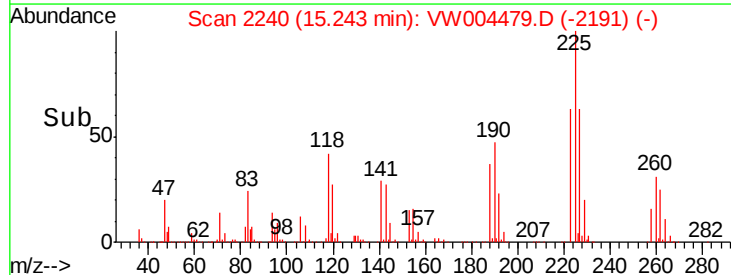
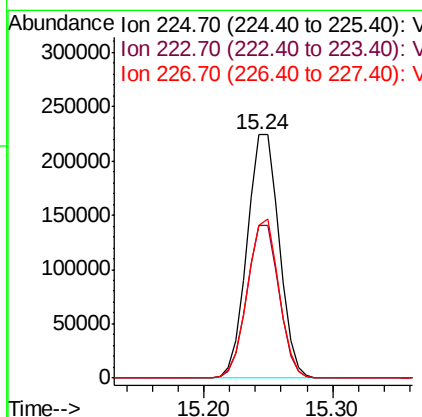
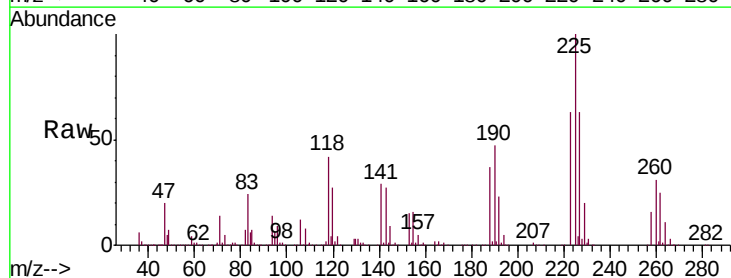
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

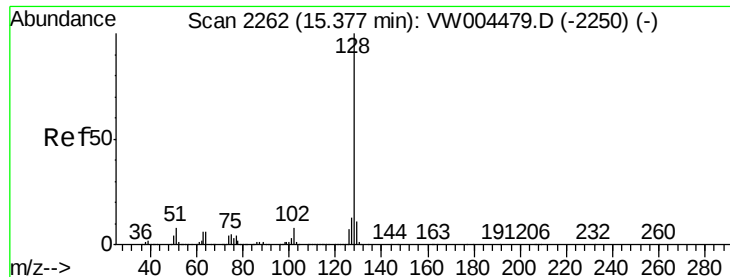
Tgt Ion:180 Resp: 668187
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.6
 145 29.9 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 49.316 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion:225 Resp: 385013
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.3 93.8
 227 63.6 31.8 95.4

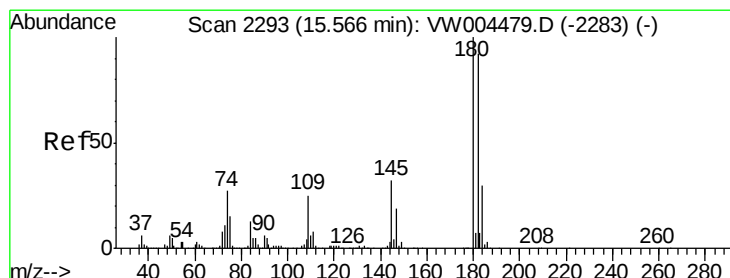
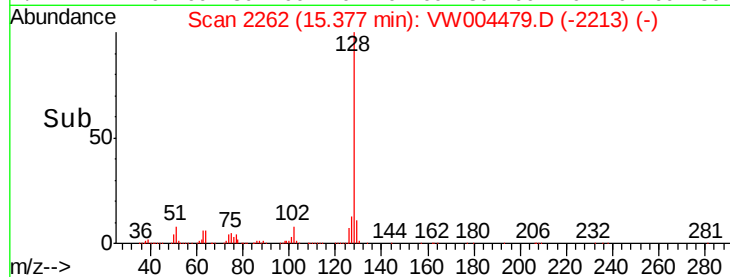
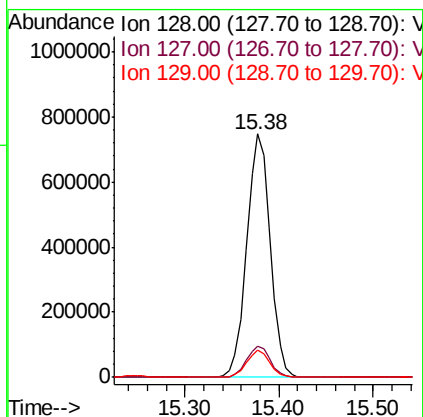
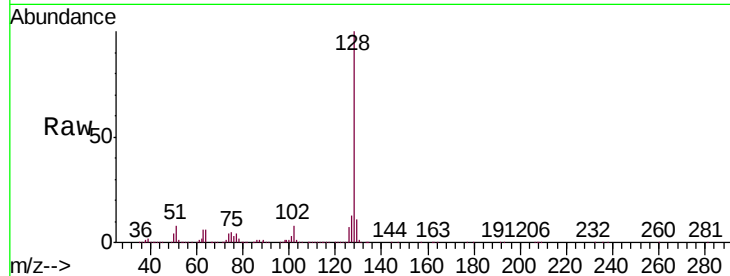




#95
Naphthalene
Concen: 57.903 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 1302946
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 53.228 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion:180 Resp: 602417
Ion Ratio Lower Upper
180 100
182 94.1 47.0 141.2
145 31.7 15.9 47.6

