

Data File : VW015319.D
Acq On : 22 Apr 2020 19:51
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 23 07:05:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	307140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	87759	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	7.88	113	89016	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.32	98	357891	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.62	95	140415	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	78769	46.869	ug/l	98
3) Chloromethane	2.22	50	86295	47.151	ug/l	99
4) Vinyl Chloride	2.36	62	101125	46.792	ug/l	98
5) Bromomethane	2.75	94	86930	56.571	ug/l	92
6) Chloroethane	2.92	64	63844	47.625	ug/l	99
7) Trichlorofluoromethane	3.26	101	148959	48.708	ug/l	99
8) Diethyl Ether	3.68	74	43761	50.980	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	93601	49.632	ug/l	91
10) Methyl Iodide	4.28	142	94958	47.939	ug/l	99
11) Tert butyl alcohol	5.17	59	31242	220.222	ug/l	99
12) 1,1-Dichloroethene	4.04	96	89565	49.340	ug/l	92
13) Acrolein	3.90	56	20104	270.753	ug/l	97
14) Allyl chloride	4.67	41	112593	46.755	ug/l #	84
15) Acrylonitrile	5.37	53	79092	242.117	ug/l	99
16) Acetone	4.13	43	58483	192.397	ug/l	100
17) Carbon Disulfide	4.39	76	252528	46.813	ug/l	99
18) Methyl Acetate	4.67	43	38431	47.763	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	215513	51.718	ug/l	96
20) Methylene Chloride	4.92	84	96588	48.484	ug/l	90
21) trans-1,2-Dichloroethene	5.43	96	104203	50.615	ug/l	93
22) Diisopropyl ether	6.32	45	240256	52.006	ug/l	94
23) Vinyl Acetate	6.26	43	686333	253.167	ug/l	95
24) 1,1-Dichloroethane	6.22	63	163846	51.174	ug/l	98
25) 2-Butanone	7.17	43	95175	235.998	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	155928	46.292	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	118573	53.349	ug/l	96
28) Bromochloromethane	7.51	49	60824	52.251	ug/l #	72
29) Tetrahydrofuran	7.53	42	62558	248.982	ug/l	87
30) Chloroform	7.68	83	183385	53.070	ug/l	100
31) Cyclohexane	7.95	56	142363	44.235	ug/l	89
32) 1,1,1-Trichloroethane	7.87	97	170120	51.010	ug/l	99
36) 1,1-Dichloropropene	8.09	75	140053	50.522	ug/l	98
37) Ethyl Acetate	7.25	43	45433	50.500	ug/l	97
38) Carbon Tetrachloride	8.07	117	151242	49.925	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	174462	47.284	ug/l	96
40) Benzene	8.32	78	380934	51.442	ug/l	96
41) Methacrylonitrile	7.49	41	29114	53.934	ug/l	97
42) 1,2-Dichloroethane	8.40	62	113423	52.030	ug/l	99
43) Isopropyl Acetate	8.42	43	93955	49.792	ug/l	95
44) Trichloroethene	9.09	130	121585	53.678	ug/l	94
45) 1,2-Dichloropropane	9.37	63	88646	51.477	ug/l	98
46) Dibromomethane	9.46	93	52908	53.113	ug/l #	88
47) Bromodichloromethane	9.65	83	140536	52.775	ug/l	98
48) Methyl methacrylate	9.43	41	42462	47.603	ug/l #	81
49) 1,4-Dioxane	9.45	88	12788	962.972	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	223800	252.661	ug/l	96
52) Toluene	10.39	92	270956	52.283	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	137812	52.485	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	158765	52.020	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	75755	54.310	ug/l	96
56) Ethyl methacrylate	10.65	69	92204	51.312	ug/l	93
57) 1,3-Dichloropropane	10.93	76	123932	53.637	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	208440	250.202	ug/l	90
59) 2-Hexanone	10.97	43	153447	242.682	ug/l	96
60) Dibromochloromethane	11.13	129	100541	54.591	ug/l	100
61) 1,2-Dibromoethane	11.23	107	73592	54.070	ug/l	97
64) Tetrachloroethene	10.86	164	109304	51.377	ug/l	94
65) Chlorobenzene	11.66	112	302139	51.653	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	111688	53.125	ug/l	98
67) Ethyl Benzene	11.73	91	550834	50.496	ug/l	99
68) m/p-Xylenes	11.84	106	431098	100.822	ug/l	99
69) o-Xylene	12.16	106	207678	52.036	ug/l	98
70) Styrene	12.18	104	358145	52.645	ug/l	99
71) Bromoform	12.35	173	63498	53.603	ug/l #	97
73) Isopropylbenzene	12.46	105	566969	48.477	ug/l	100
74) N-amyl acetate	12.27	43	96474	47.414	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	79839	48.079	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	107494	82.373	ug/l #	100
77) Bromobenzene	12.75	156	137022	50.993	ug/l	82
78) n-propylbenzene	12.80	91	659941	48.463	ug/l	96
79) 2-Chlorotoluene	12.89	91	383473	49.969	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	504609	50.086	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26793	44.882	ug/l	93
82) 4-Chlorotoluene	12.99	91	406155	49.846	ug/l	97
83) tert-Butylbenzene	13.21	119	439892	49.956	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	506609	50.982	ug/l	100
85) sec-Butylbenzene	13.38	105	593452	48.800	ug/l	97
86) p-Isopropyltoluene	13.50	119	566761	50.156	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	278012	52.072	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	266517	50.924	ug/l	96
89) n-Butylbenzene	13.82	91	506348	49.024	ug/l	98
90) Hexachloroethane	14.09	117	104111	50.238	ug/l	76
91) 1,2-Dichlorobenzene	13.87	146	245409	52.896	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14321	47.656	ug/l	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042220\
Quantitation Report (Not Reviewed)

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VSTDCCC050EC

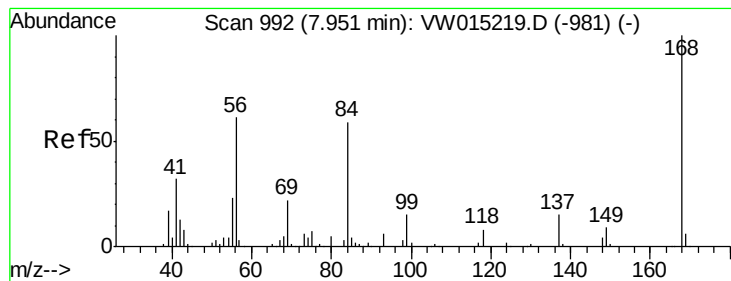
Quant Time: Apr 23 07:05:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	174171	54.010	ug/l	97
94) Hexachlorobutadiene	15.24	225	111080	51.666	ug/l	97
95) Naphthalene	15.36	128	273092	52.645	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	146789	55.946	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

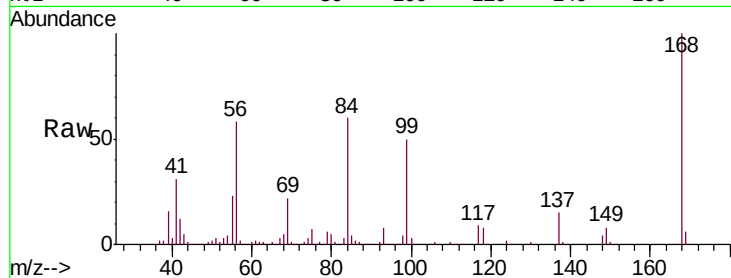
VSTDCCC050EC

Tgt Ion:168 Resp: 212821

Ion Ratio Lower Upper

168 100

99 50.3 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

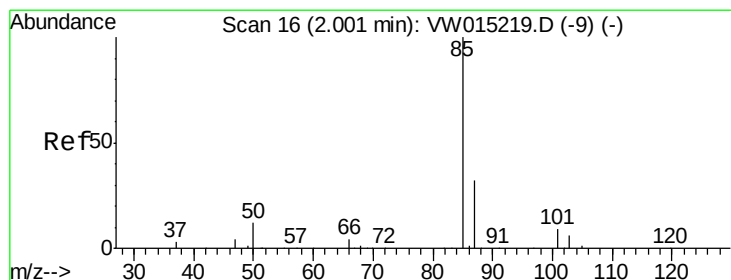
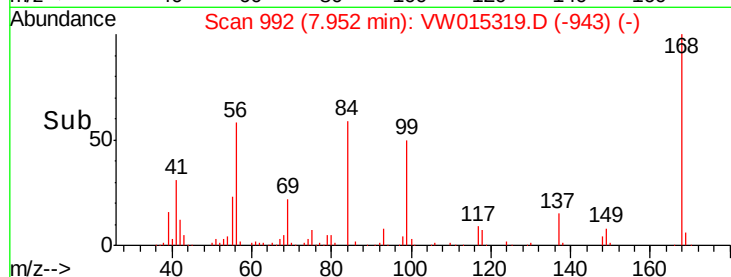
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 46.869 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015319.D

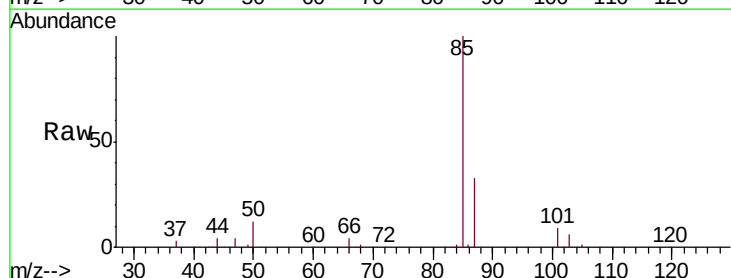
Acq: 22 Apr 2020 19:51

Tgt Ion: 85 Resp: 78769

Ion Ratio Lower Upper

85 100

87 33.3 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

40000

20000

0

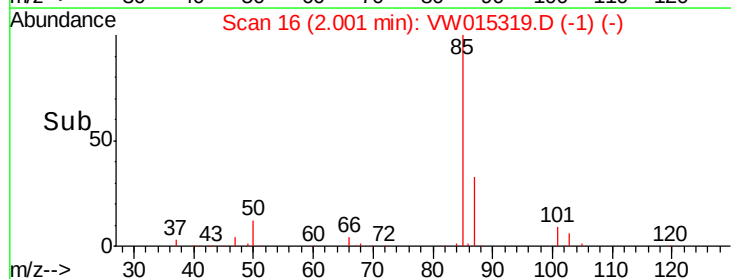
1.95

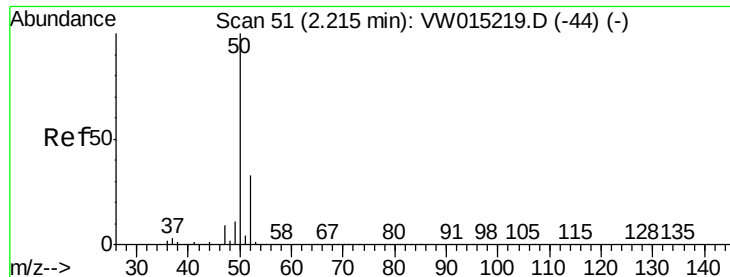
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 47.151 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

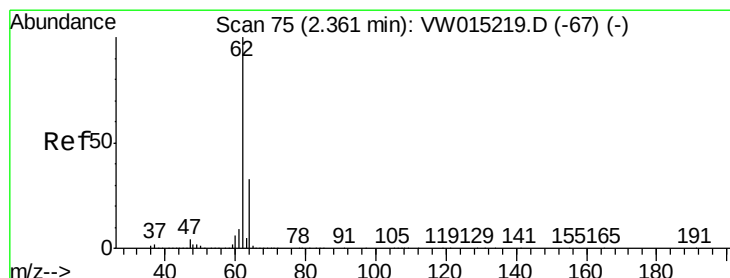
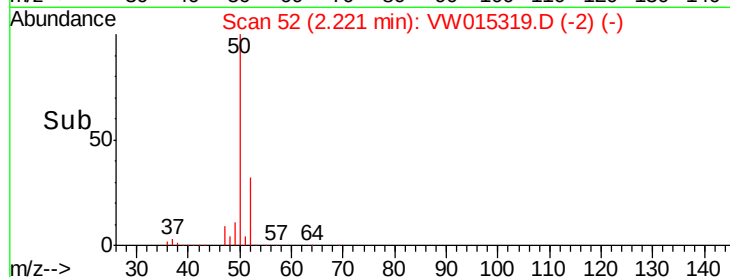
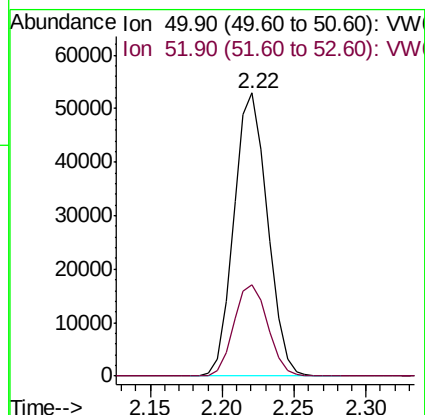
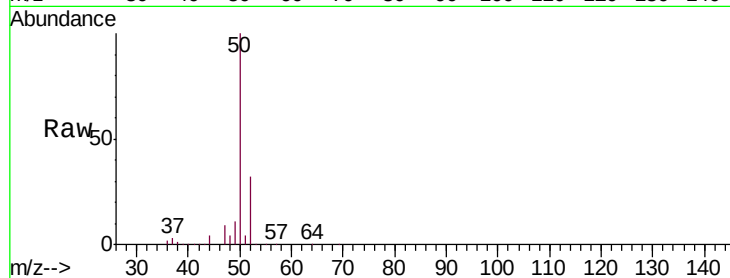
VSTDCCC050EC

Tgt Ion: 50 Resp: 86295

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 46.792 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015319.D

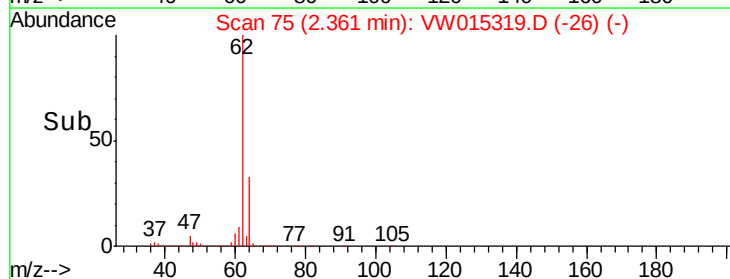
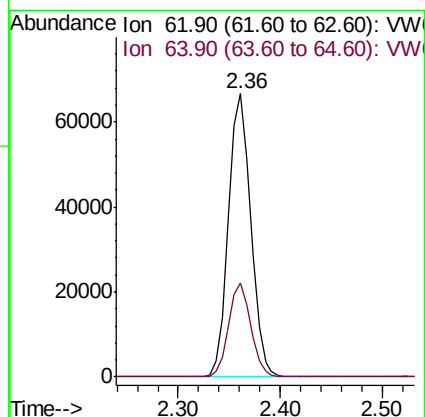
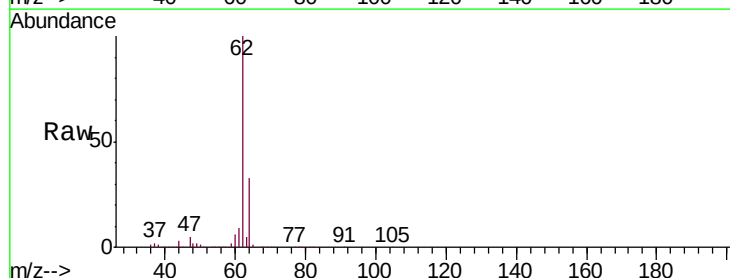
Acq: 22 Apr 2020 19:51

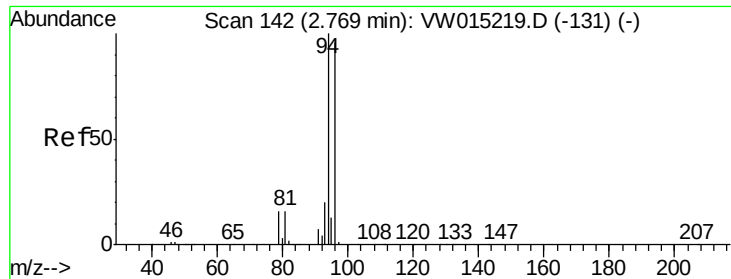
Tgt Ion: 62 Resp: 101125

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.2





#5

Bromomethane

Concen: 56.571 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

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ClientSampleId :

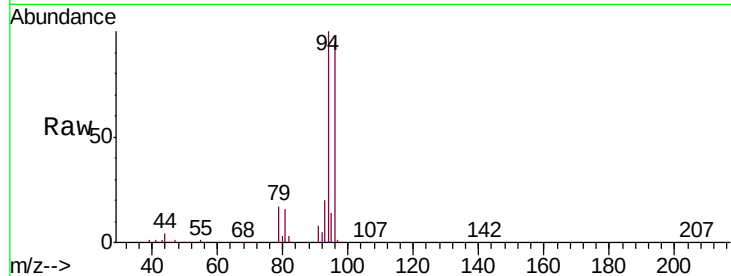
VSTDCCC050EC

Tgt Ion: 94 Resp: 86930

Ion Ratio Lower Upper

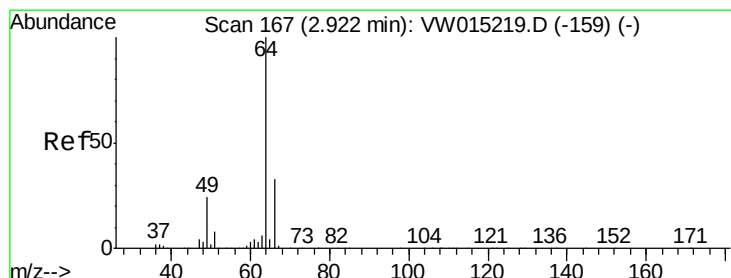
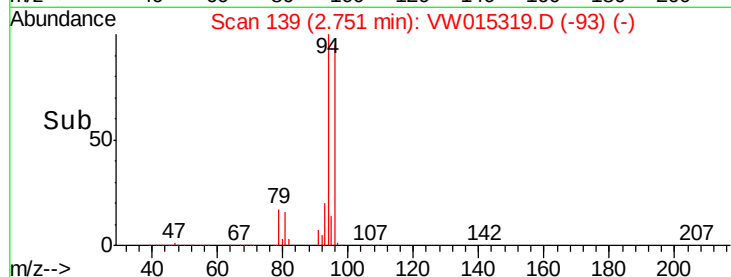
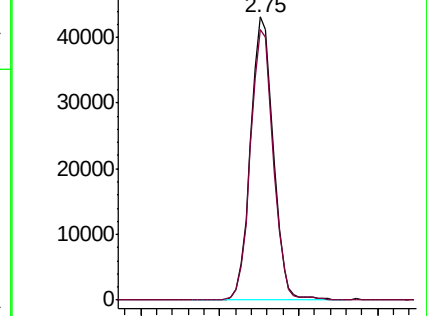
94 100

96 95.2 70.4 105.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 47.625 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015319.D

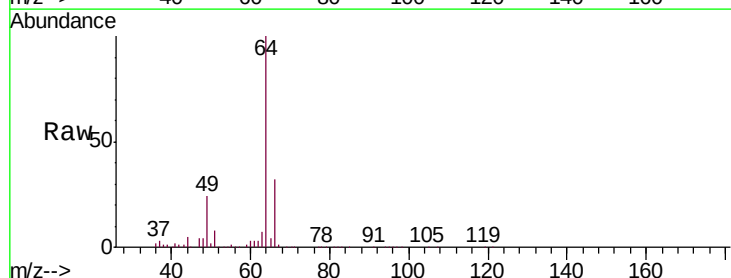
Acq: 22 Apr 2020 19:51

Tgt Ion: 64 Resp: 63844

Ion Ratio Lower Upper

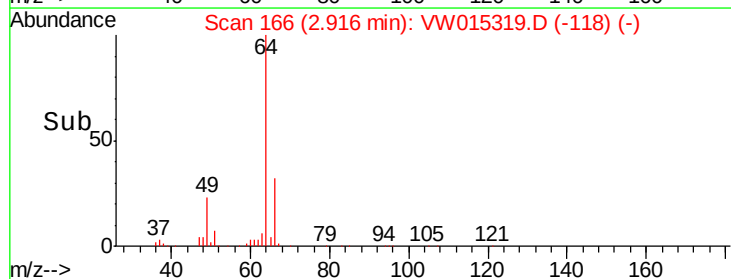
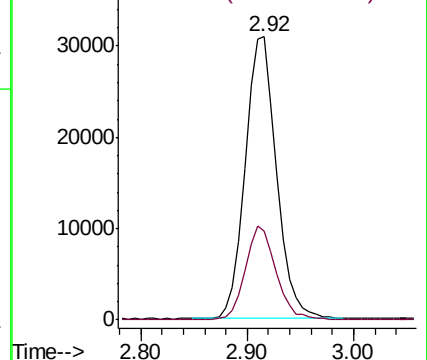
64 100

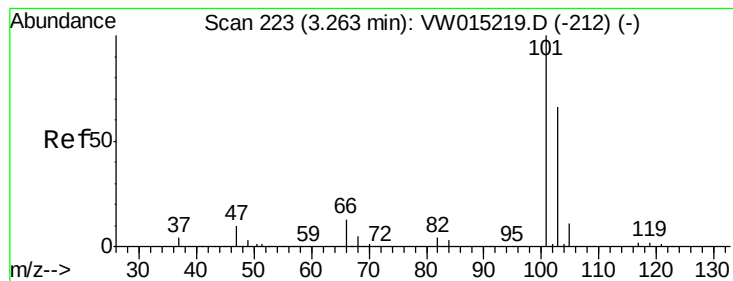
66 31.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



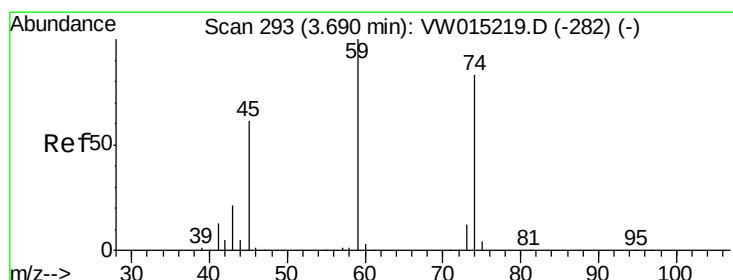
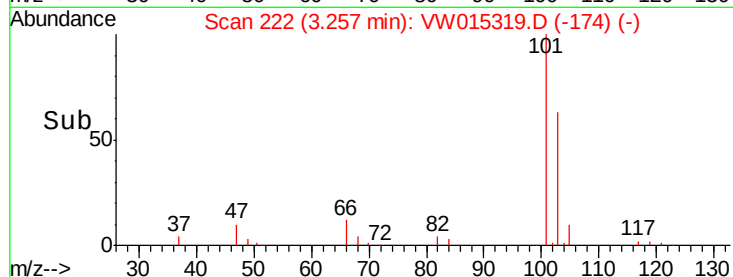
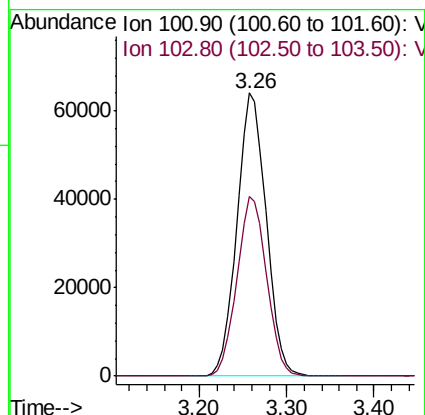
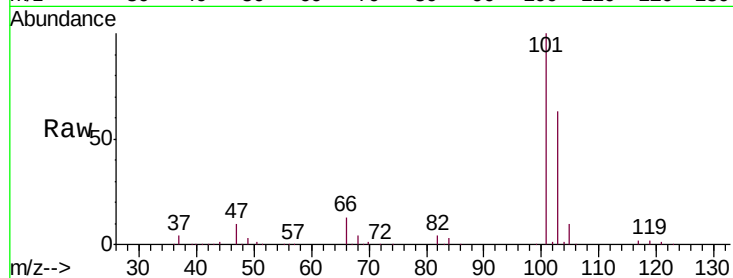


#7

Trichlorofluoromethane
Concen: 48.708 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
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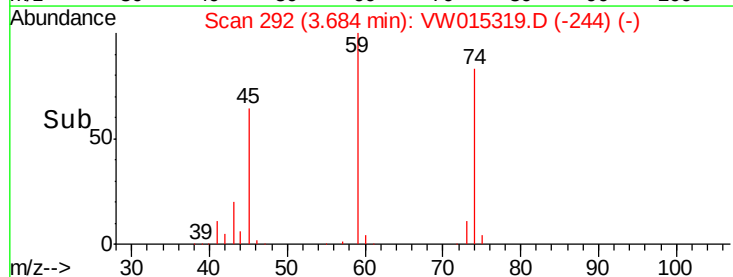
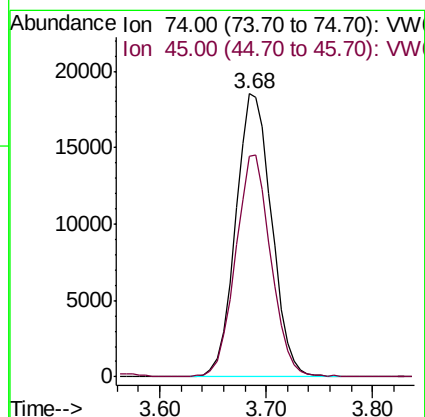
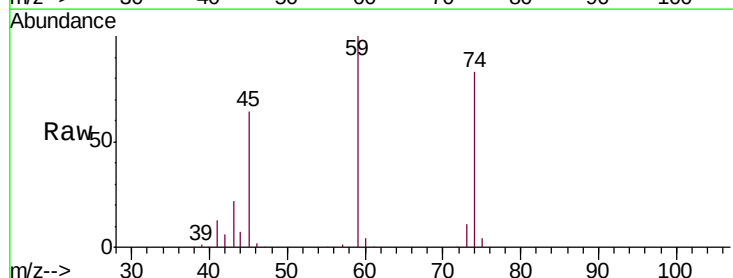
Tgt Ion:101 Resp: 148959
Ion Ratio Lower Upper
101 100
103 63.4 51.3 76.9

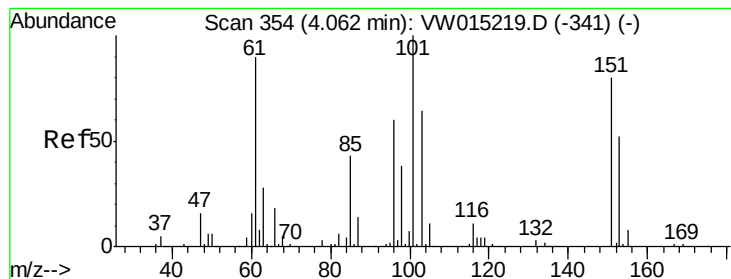


#8

Diethyl Ether
Concen: 50.980 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion: 74 Resp: 43761
Ion Ratio Lower Upper
74 100
45 77.3 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.632 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

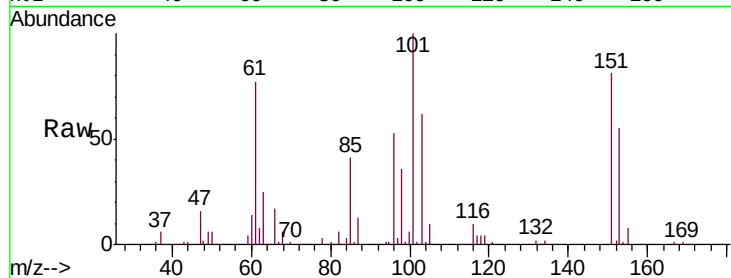
Tgt Ion:101 Resp: 93601

Ion Ratio Lower Upper

101 100

85 42.5 35.3 52.9

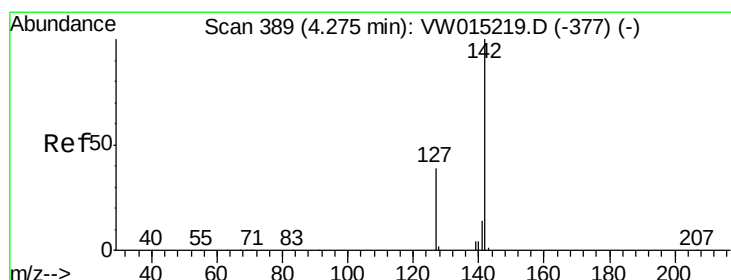
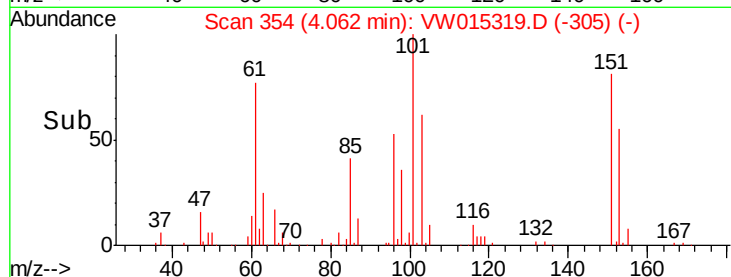
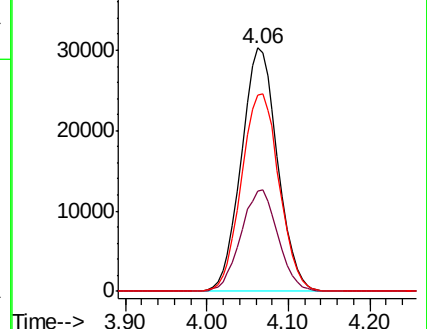
151 84.3 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.939 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

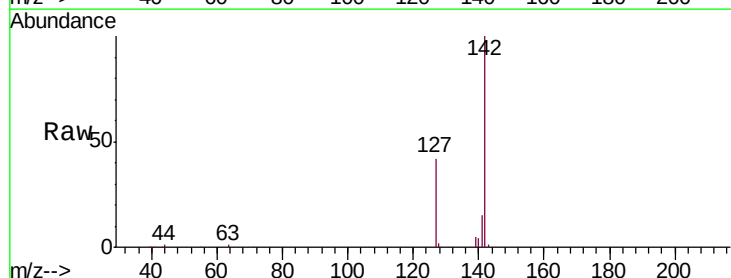
Tgt Ion:142 Resp: 94958

Ion Ratio Lower Upper

142 100

127 41.6 33.9 50.9

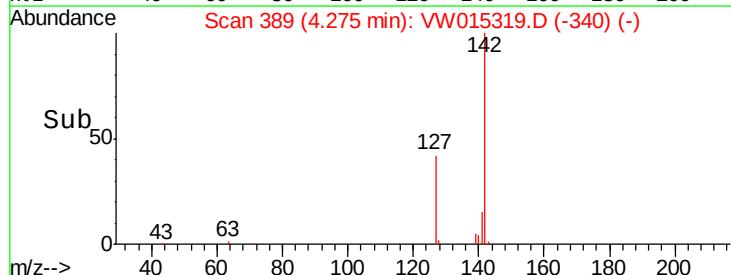
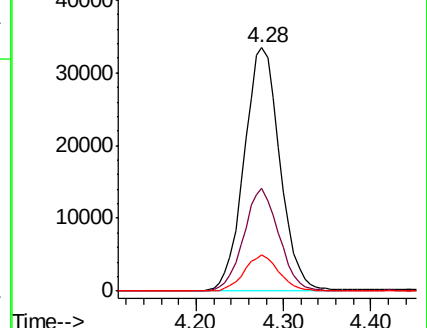
141 14.4 11.4 17.2

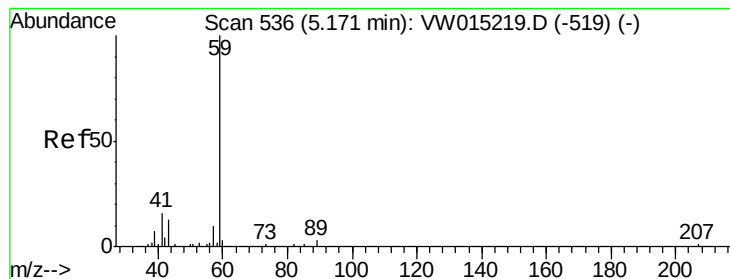


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



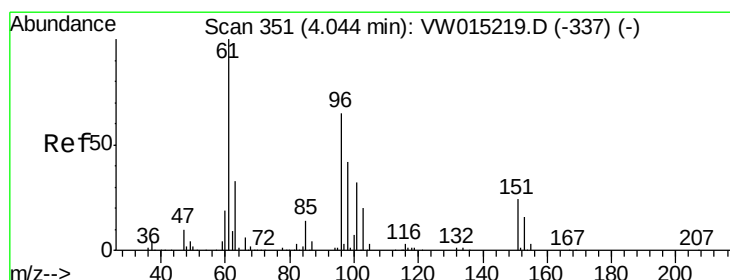
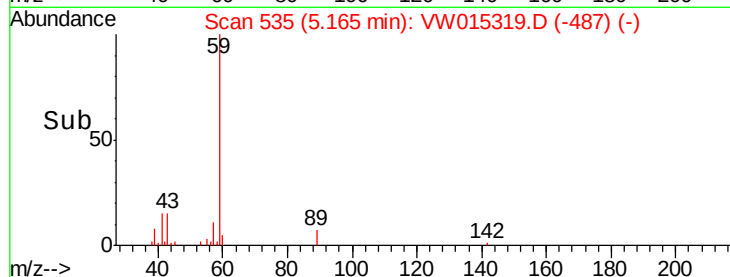
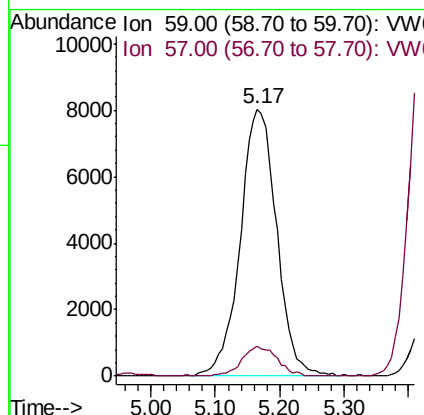
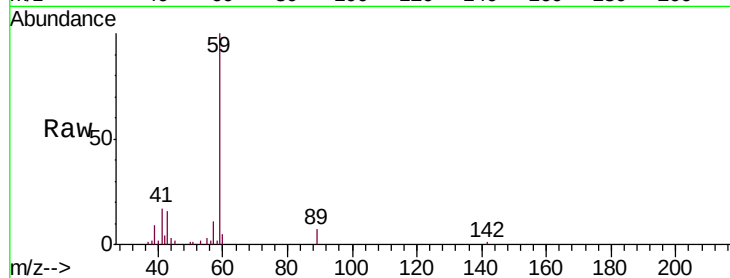


#11

Tert butyl alcohol
Concen: 220.222 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

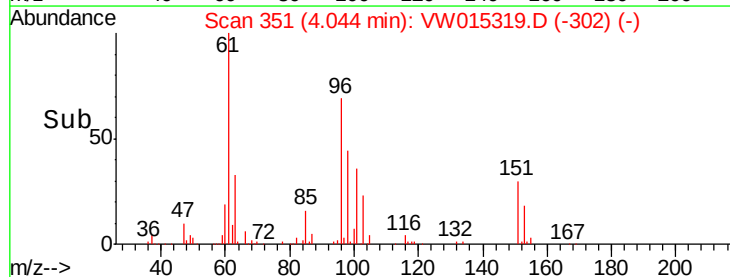
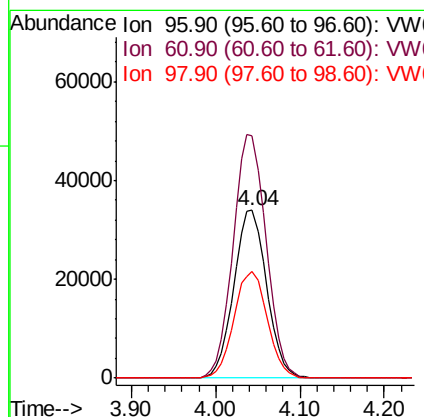
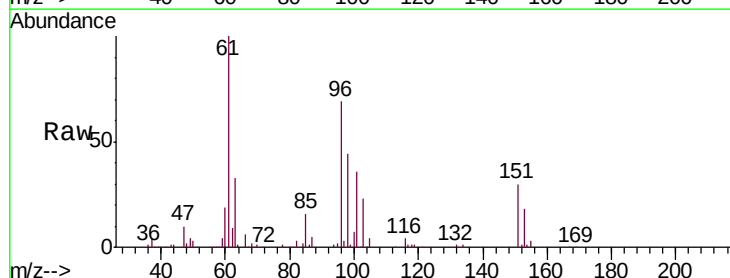
Tgt Ion: 59 Resp: 31242
Ion Ratio Lower Upper
59 100
57 11.0 8.4 12.6

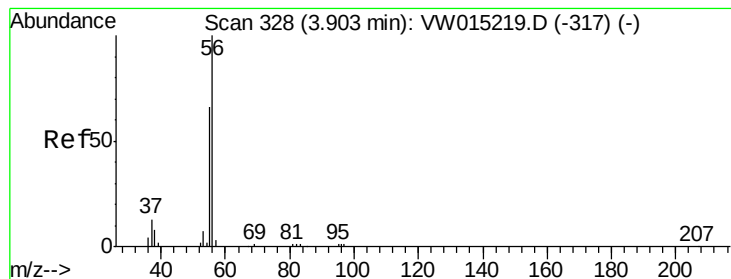


#12

1,1-Dichloroethene
Concen: 49.340 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion: 96 Resp: 89565
Ion Ratio Lower Upper
96 100
61 144.4 127.0 190.4
98 63.6 51.0 76.4





#13

Acrolein

Concen: 270.753 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

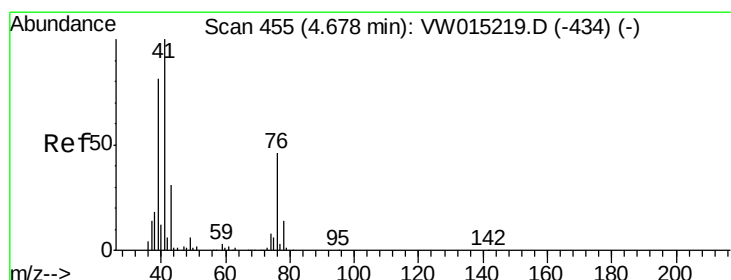
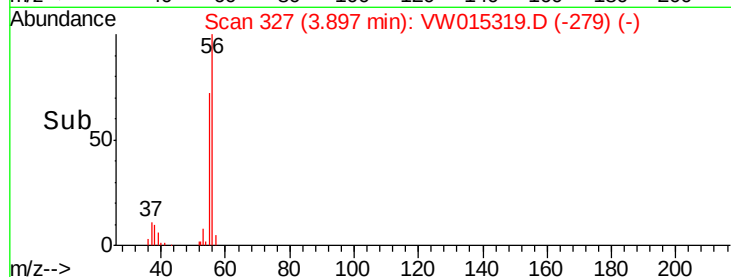
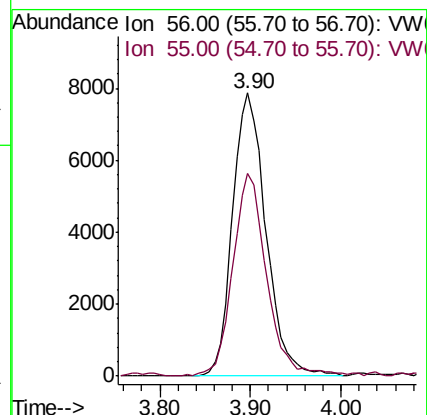
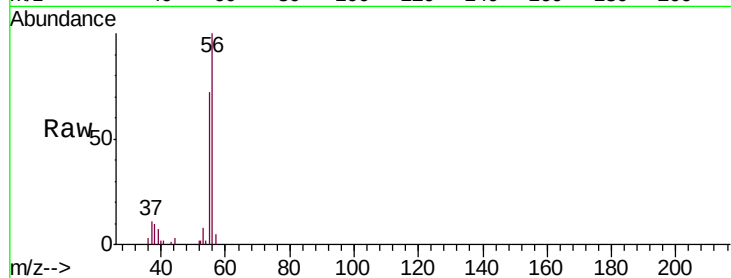
VSTDCCC050EC

Tgt Ion: 56 Resp: 20104

Ion Ratio Lower Upper

56 100

55 72.9 56.2 84.2



#14

Allyl chloride

Concen: 46.755 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

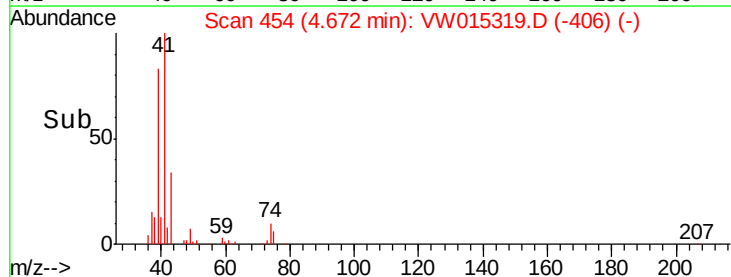
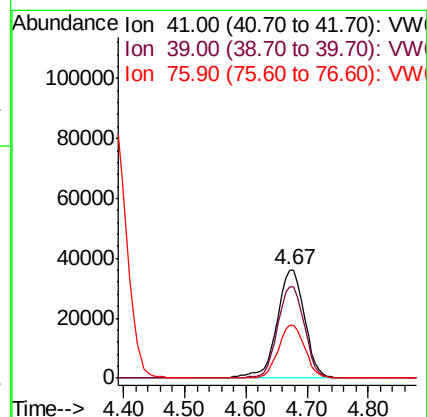
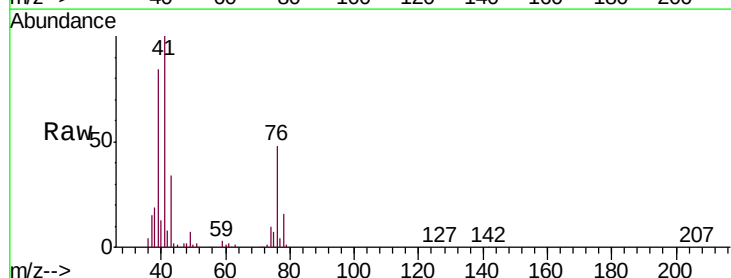
Tgt Ion: 41 Resp: 112593

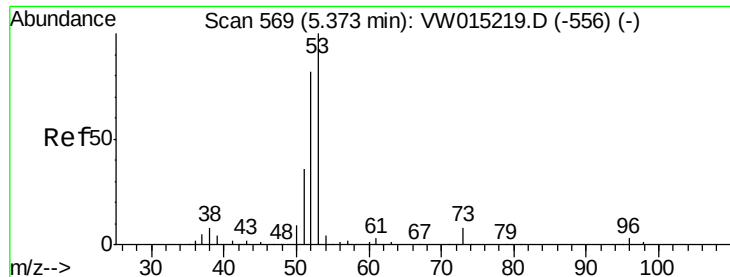
Ion Ratio Lower Upper

41 100

39 82.5 54.0 81.0#

76 46.9 31.8 47.6





#15

Acrylonitrile

Concen: 242.117 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

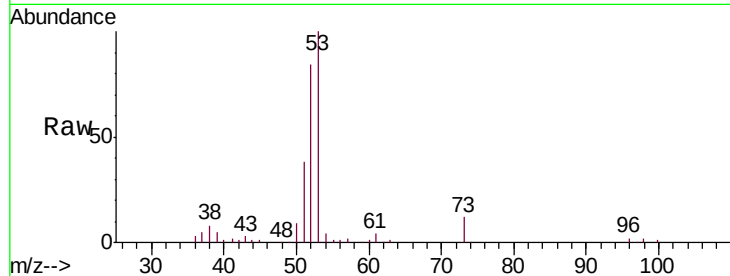
Tgt Ion: 53 Resp: 79092

Ion Ratio Lower Upper

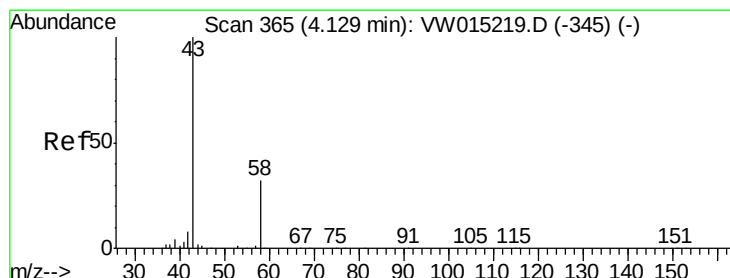
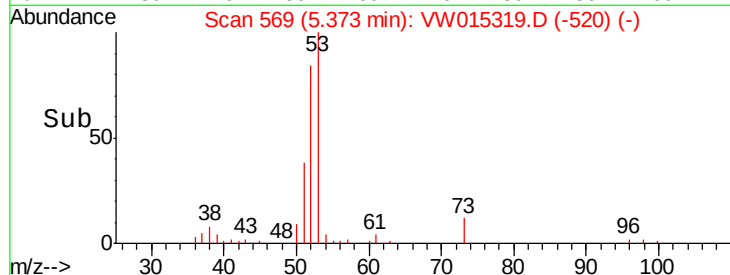
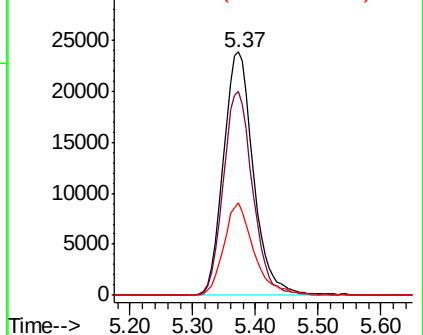
53 100

52 81.6 65.2 97.8

51 37.9 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 192.397 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015319.D

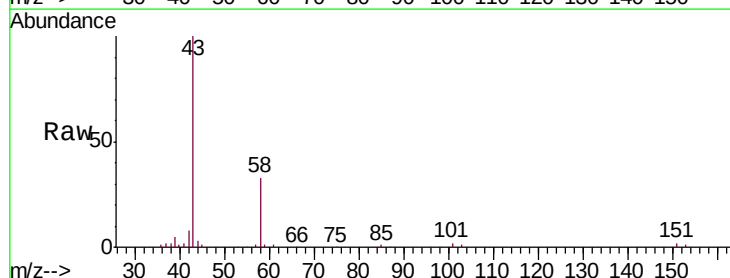
Acq: 22 Apr 2020 19:51

Tgt Ion: 43 Resp: 58483

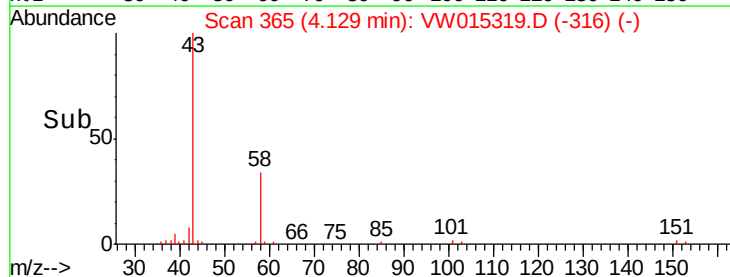
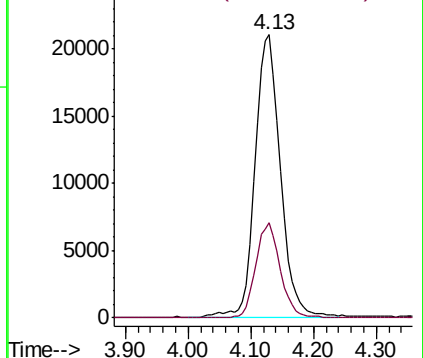
Ion Ratio Lower Upper

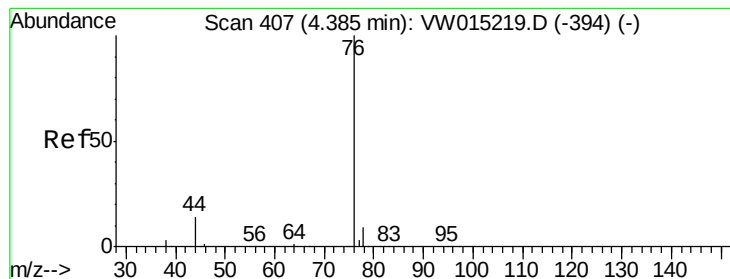
43 100

58 33.6 27.0 40.4



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





#17

Carbon Disulfide

Concen: 46.813 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

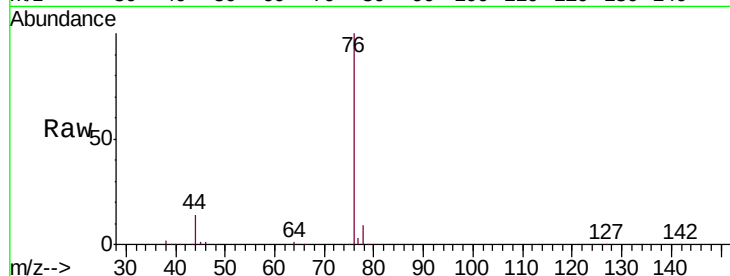
VSTDCCC050EC

Tgt Ion: 76 Resp: 252528

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

100000

80000

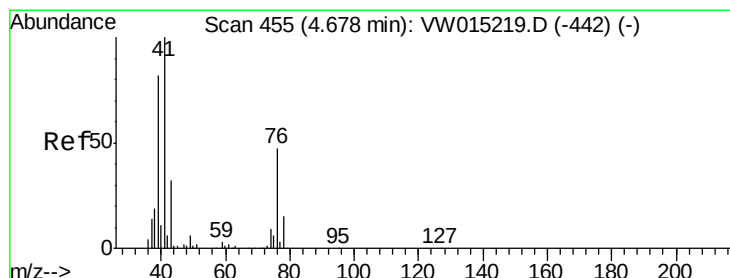
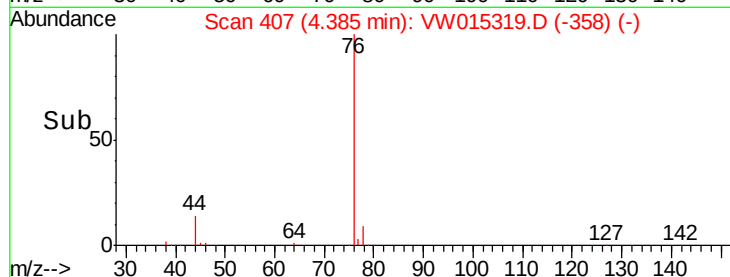
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 47.763 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015319.D

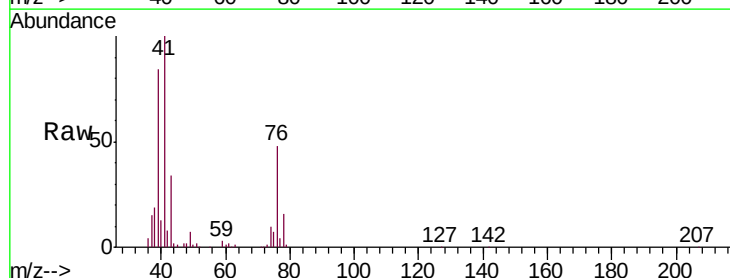
Acq: 22 Apr 2020 19:51

Tgt Ion: 43 Resp: 38431

Ion Ratio Lower Upper

43 100

74 28.4 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

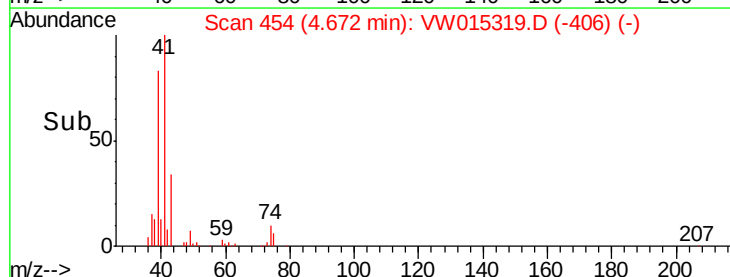
4.67

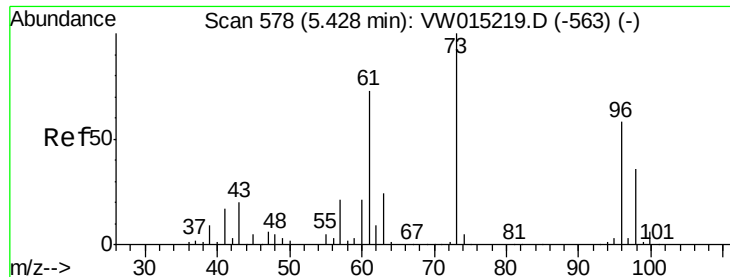
10000

5000

0

Time--> 4.50 4.60 4.70 4.80 4.90

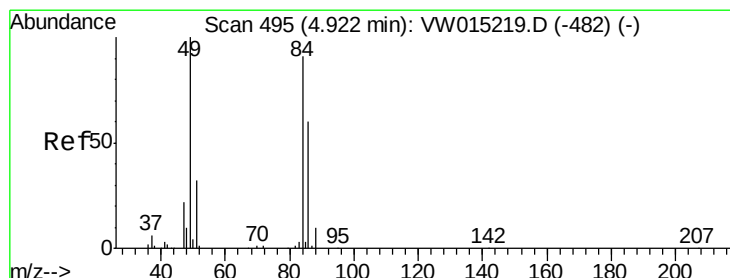
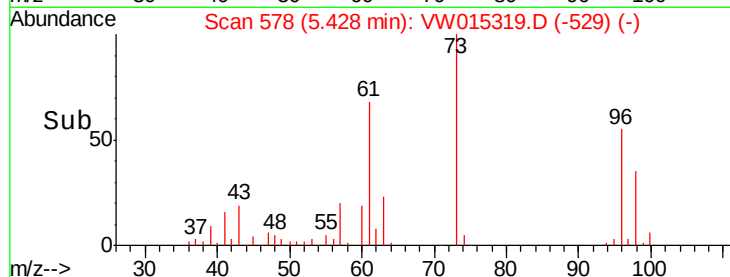
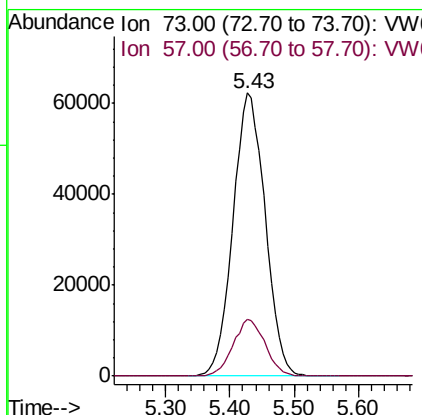
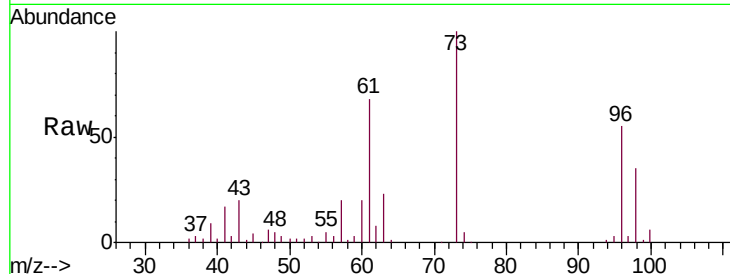




#19
Methyl tert-butyl Ether
Concen: 51.718 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

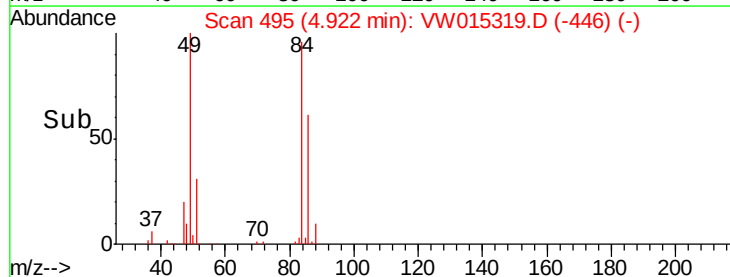
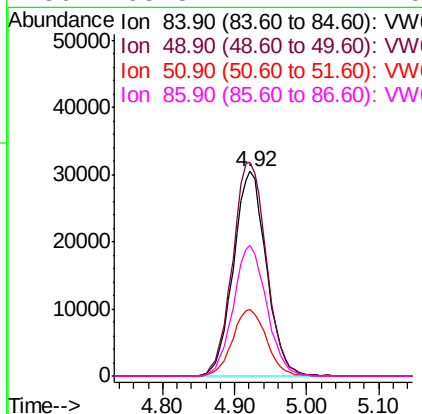
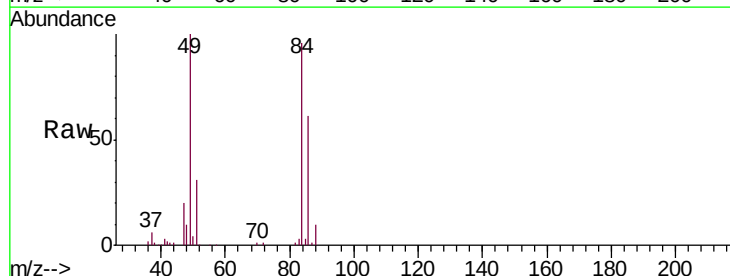
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

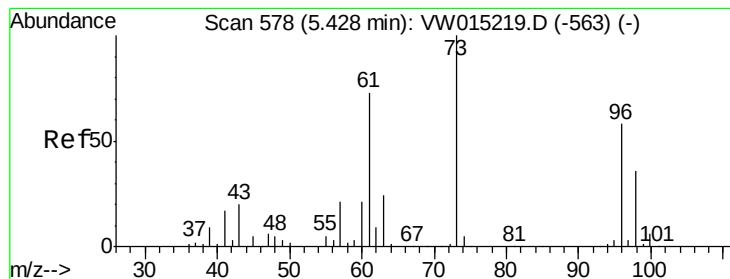
Tgt Ion: 73 Resp: 215513
Ion Ratio Lower Upper
73 100
57 20.2 17.8 26.6



#20
Methylene Chloride
Concen: 48.484 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion: 84 Resp: 96588
Ion Ratio Lower Upper
84 100
49 104.4 95.4 143.0
51 32.7 29.8 44.8
86 63.8 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 50.615 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

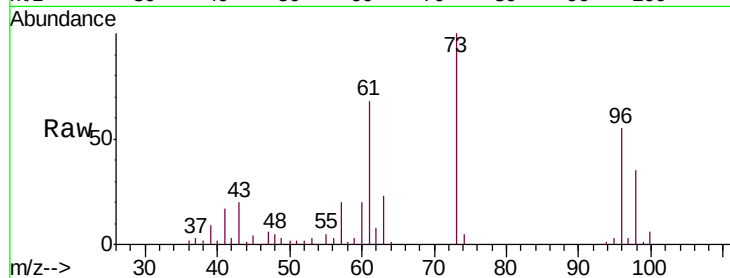
Tgt Ion: 96 Resp: 104203

Ion Ratio Lower Upper

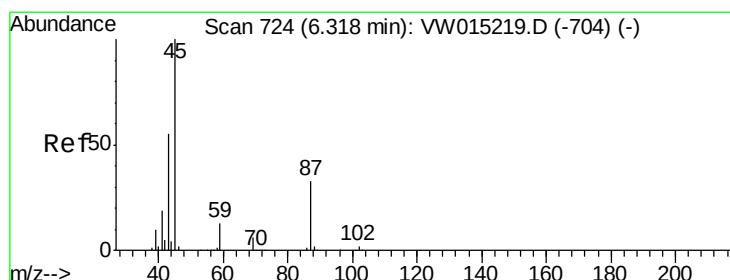
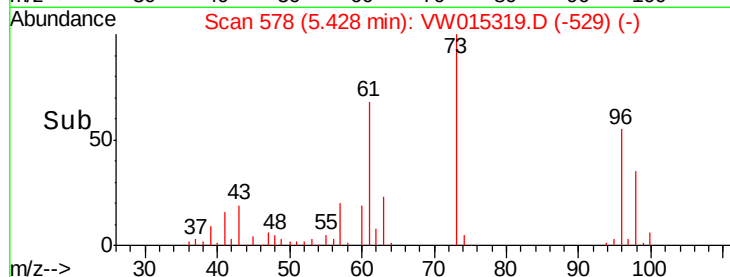
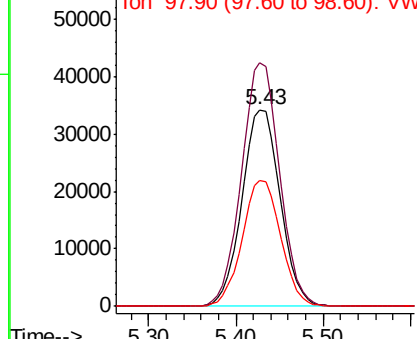
96 100

61 123.9 107.8 161.6

98 63.8 50.2 75.2



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



#22

Diisopropyl ether

Concen: 52.006 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Tgt Ion: 45 Resp: 240256

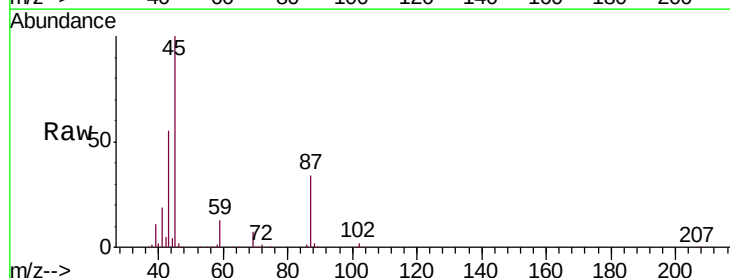
Ion Ratio Lower Upper

45 100

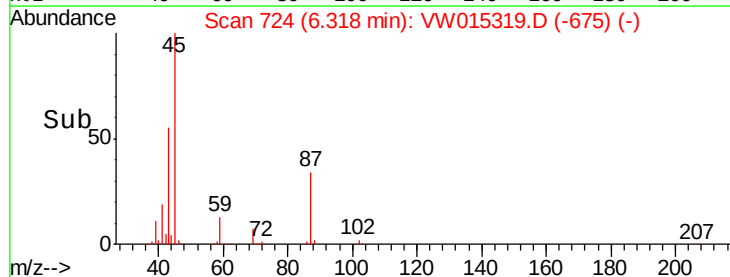
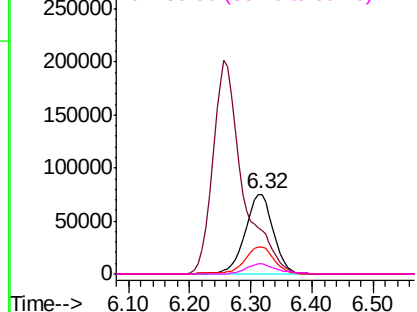
43 55.0 41.8 62.6

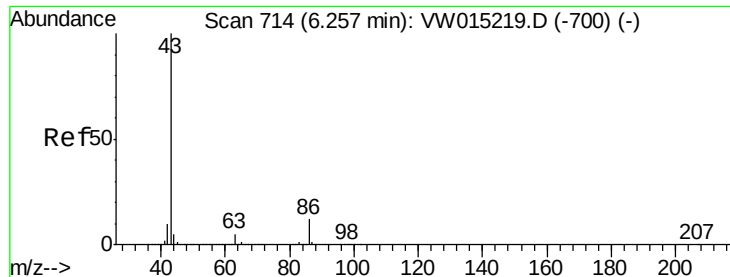
87 34.5 23.2 34.8

59 12.8 9.6 14.4



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

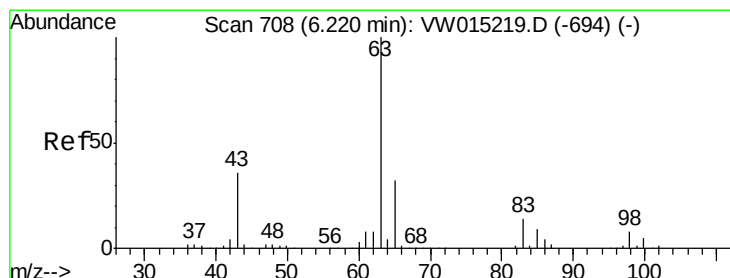
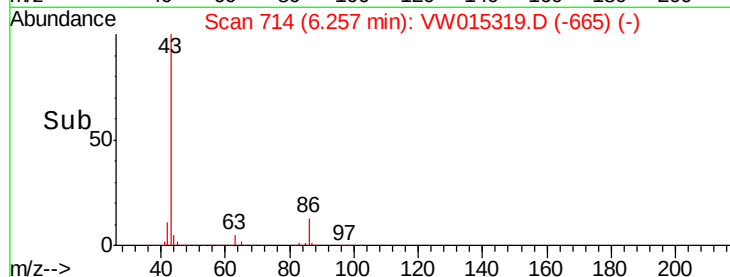
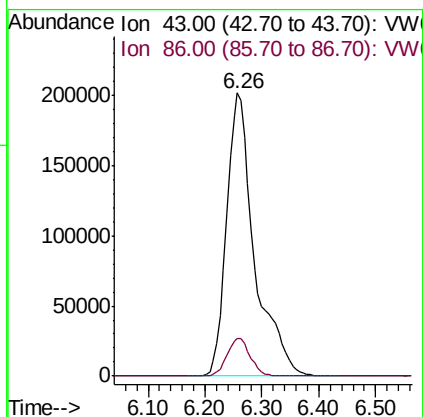
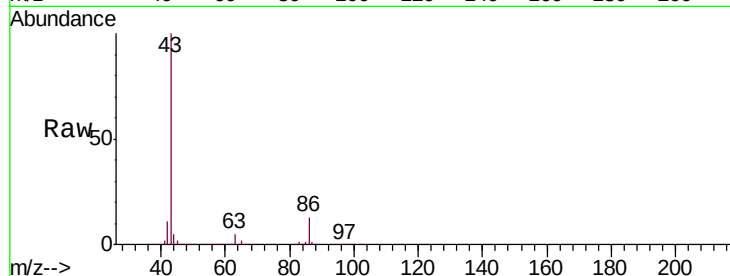




#23
 Vinyl Acetate
 Concen: 253.167 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

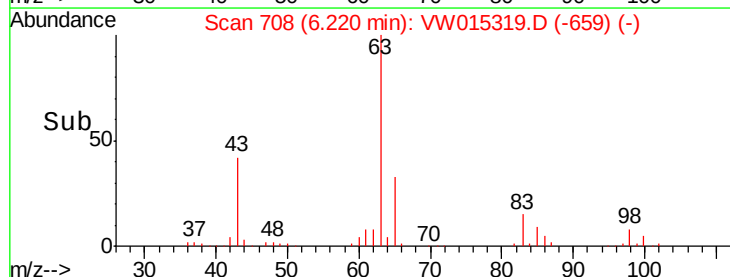
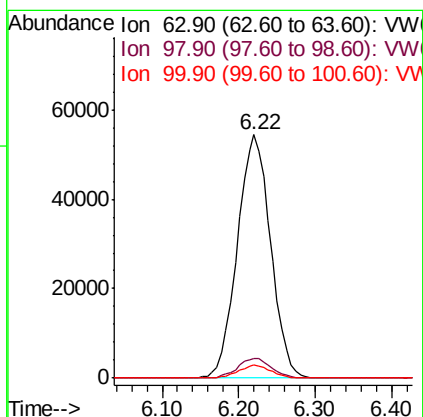
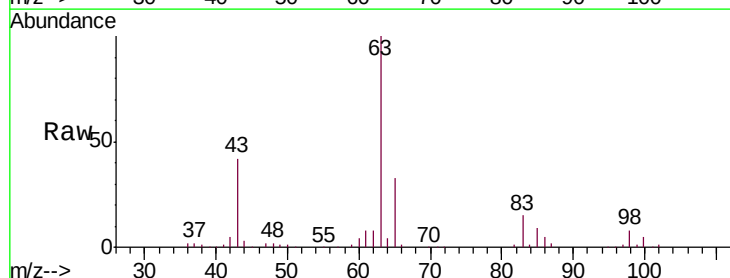
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

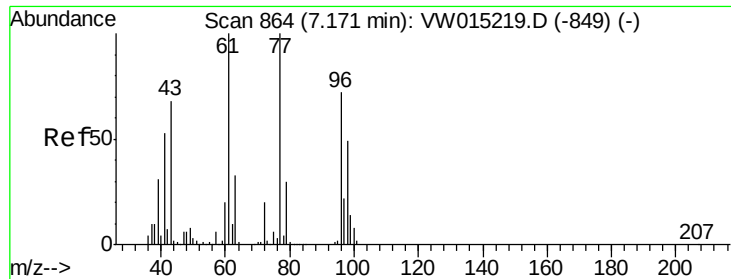
Tgt Ion: 43 Resp: 686333
 Ion Ratio Lower Upper
 43 100
 86 13.1 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 51.174 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion: 63 Resp: 163846
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.6 10.9
 100 5.3 2.4 7.2





#25

2-Butanone

Concen: 235.998 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

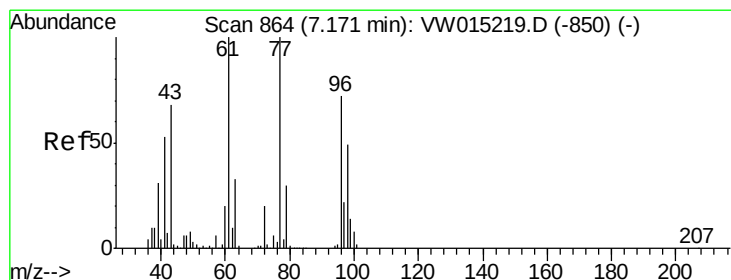
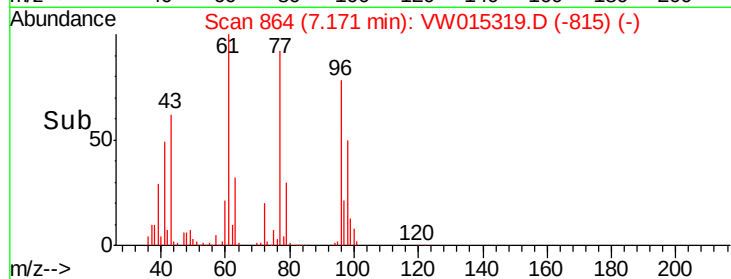
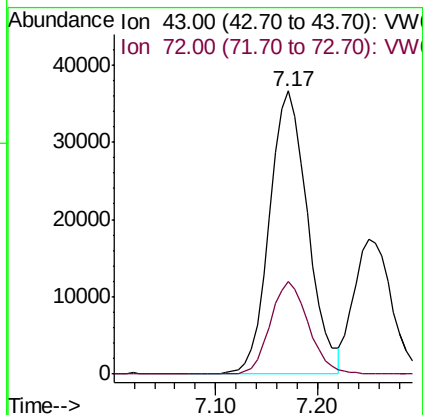
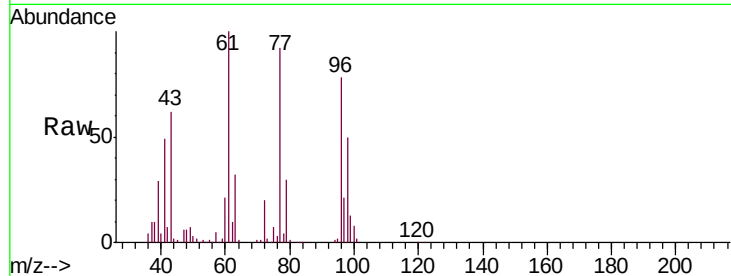
VSTDCCC050EC

Tgt Ion: 43 Resp: 95175

Ion Ratio Lower Upper

43 100

72 33.0 21.6 32.4#



#26

2,2-Dichloropropane

Concen: 46.292 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015319.D

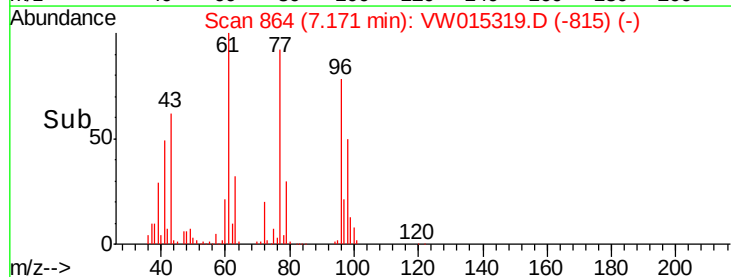
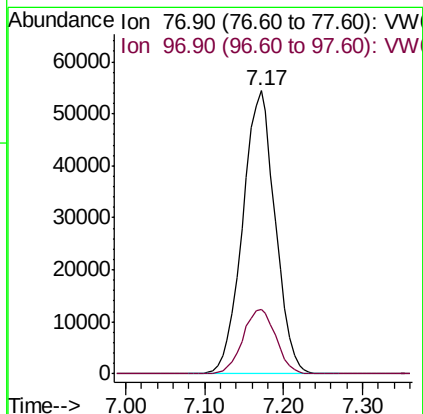
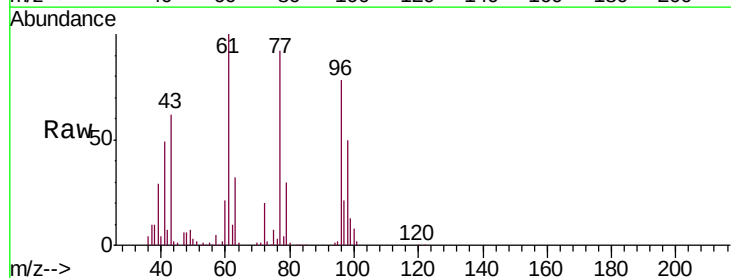
Acq: 22 Apr 2020 19:51

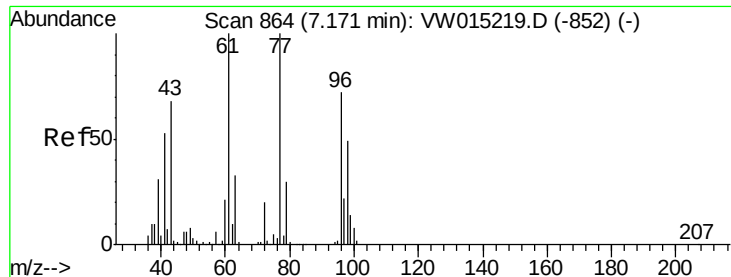
Tgt Ion: 77 Resp: 155928

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.5



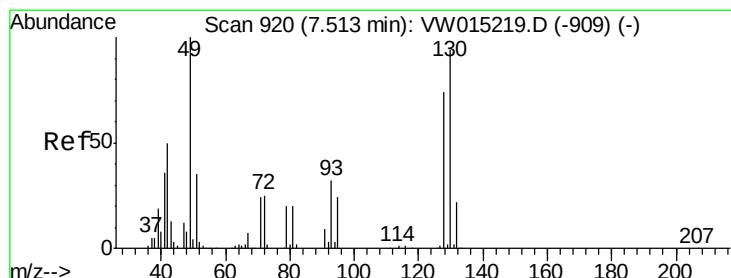
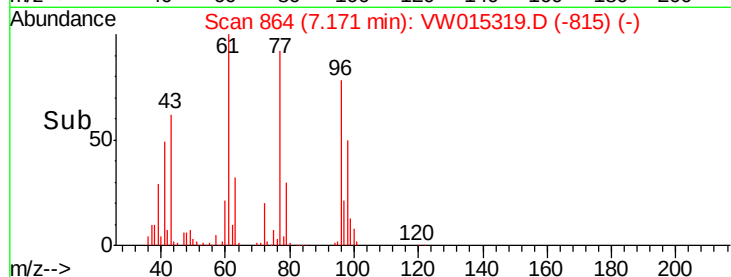
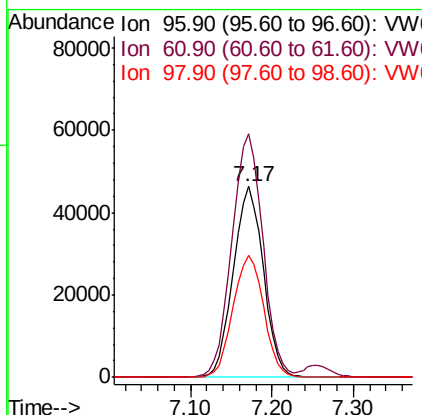
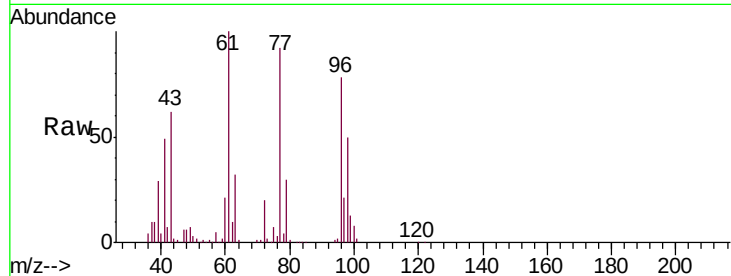


#27

cis-1,2-Dichloroethene
Concen: 53.349 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

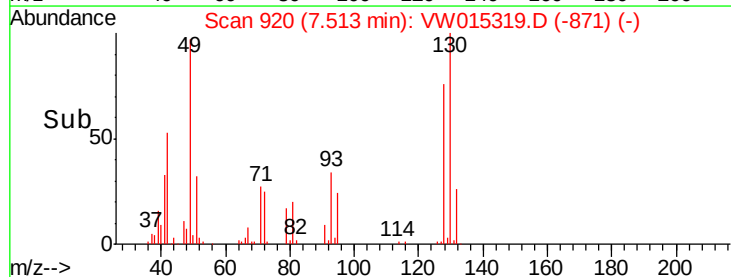
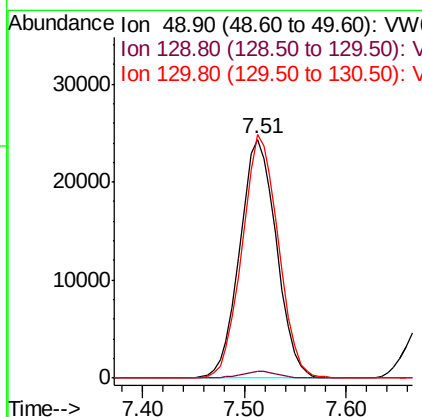
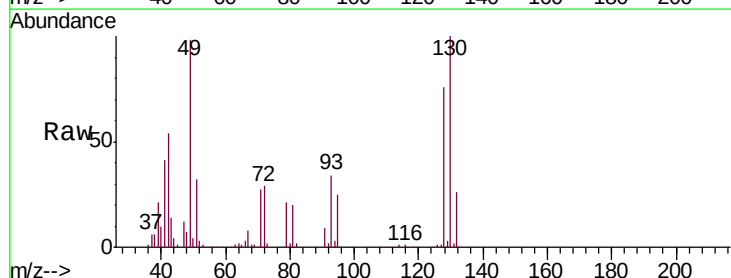
Tgt Ion: 96 Resp: 118573
Ion Ratio Lower Upper
96 100
61 131.2 0.0 275.0
98 65.2 0.0 130.8

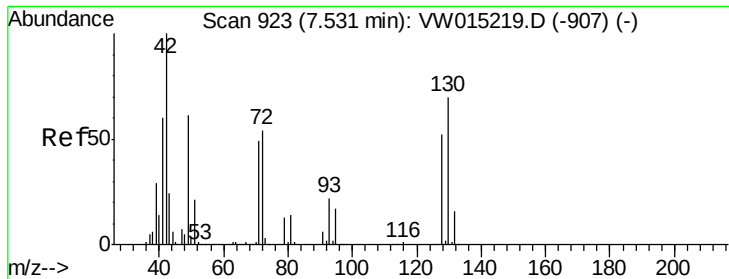


#28

Bromochloromethane
Concen: 52.251 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion: 49 Resp: 60824
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.6
130 100.5 60.9 91.3#

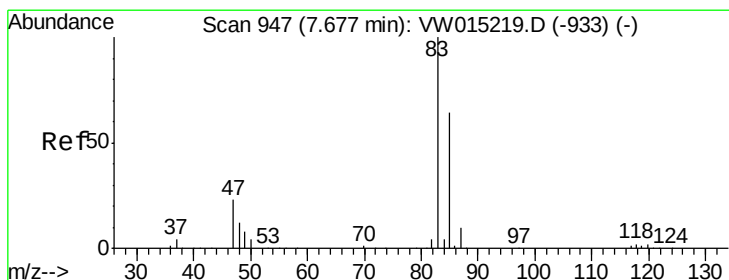
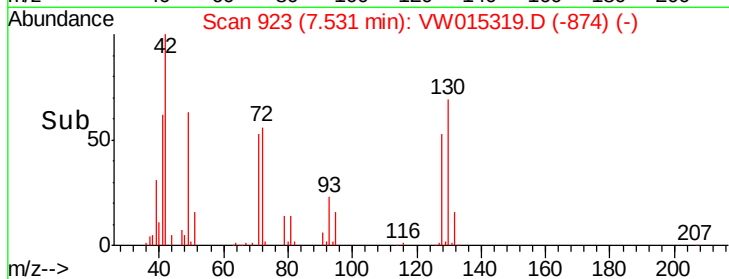
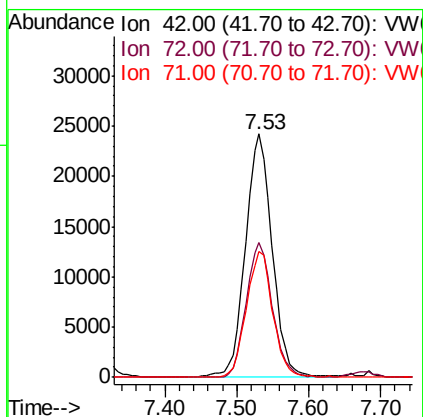
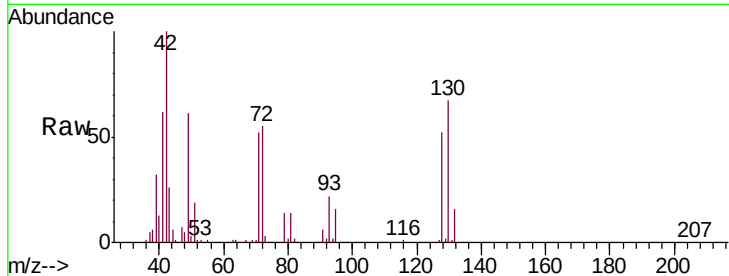




#29
Tetrahydrofuran
Concen: 248.982 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

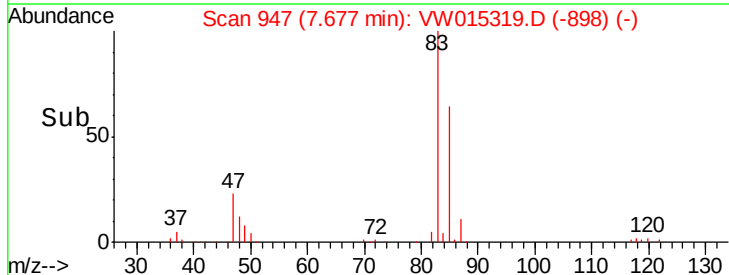
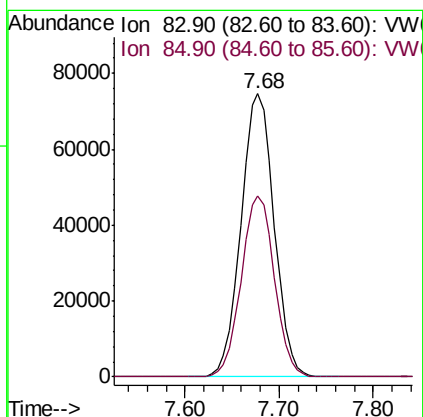
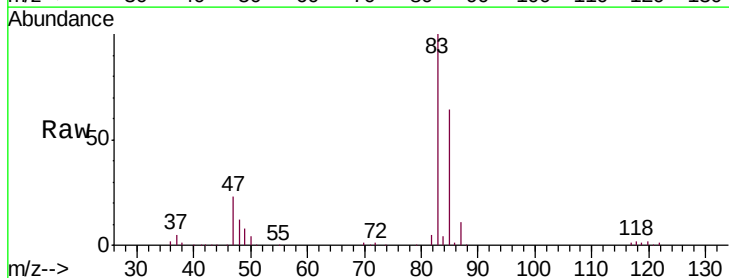
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

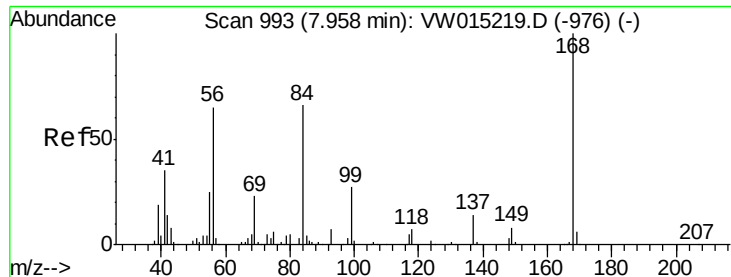
Tgt Ion: 42 Resp: 62558
Ion Ratio Lower Upper
42 100
72 54.0 36.2 54.2
71 50.9 34.2 51.4



#30
Chloroform
Concen: 53.070 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion: 83 Resp: 183385
Ion Ratio Lower Upper
83 100
85 63.9 50.9 76.3

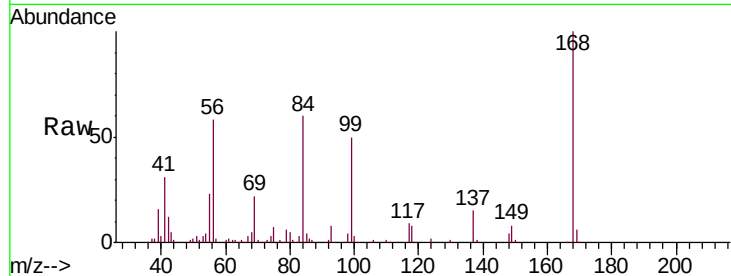




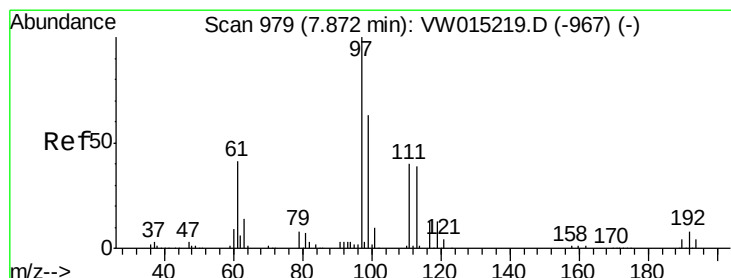
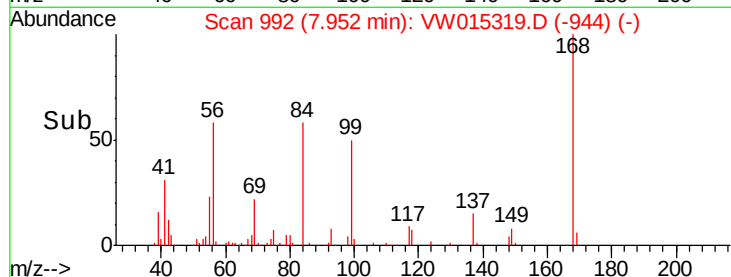
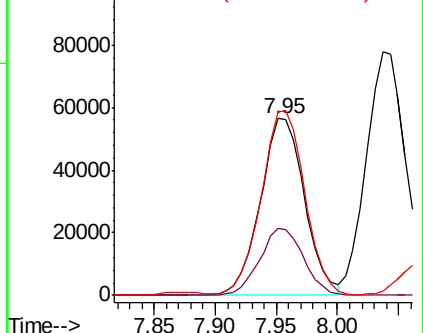
#31
Cyclohexane
Concen: 44.235 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 142363
Ion Ratio Lower Upper
56 100
69 38.2 27.1 40.7
84 101.7 71.9 107.9

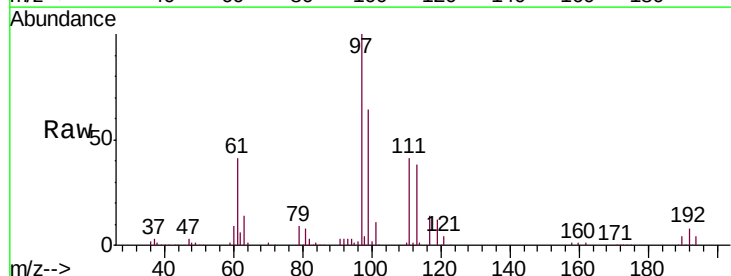


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

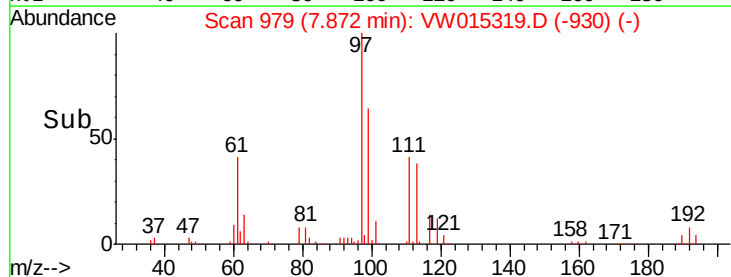
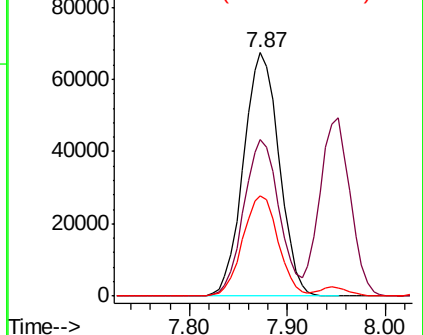


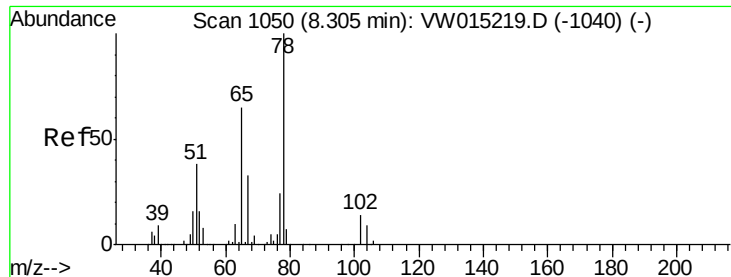
#32
1,1,1-Trichloroethane
Concen: 51.010 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion: 97 Resp: 170120
Ion Ratio Lower Upper
97 100
99 64.7 52.2 78.2
61 41.2 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 50.426 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

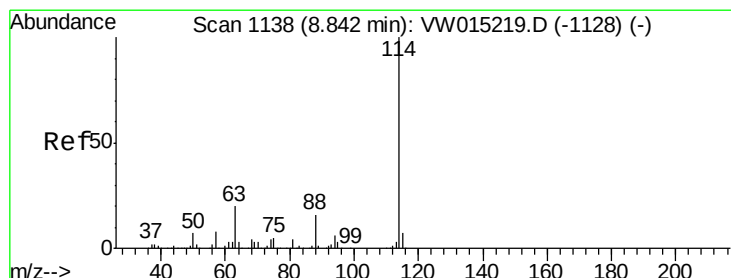
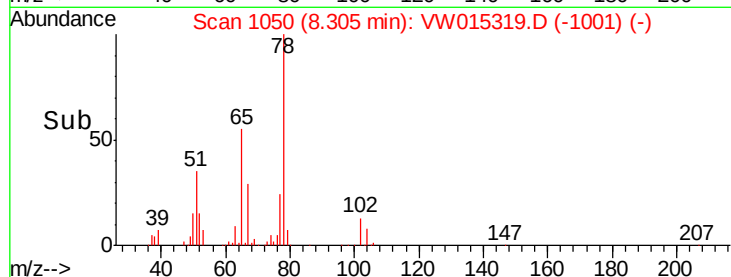
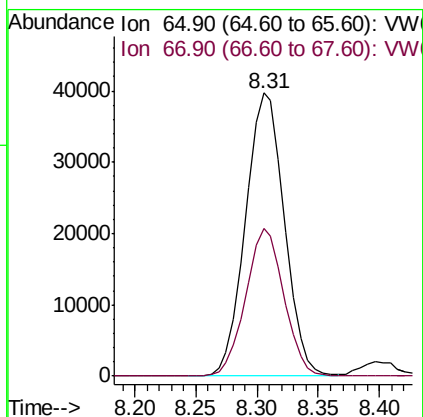
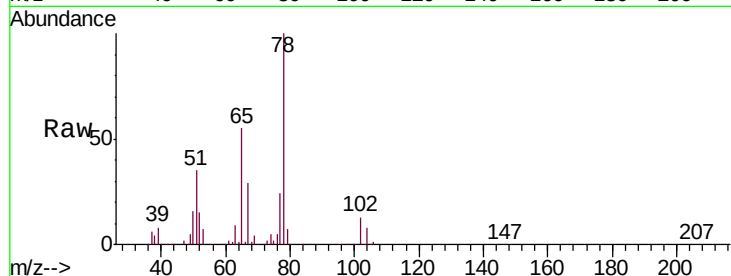
VSTDCCC050EC

Tgt Ion: 65 Resp: 87759

Ion Ratio Lower Upper

65 100

67 51.2 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

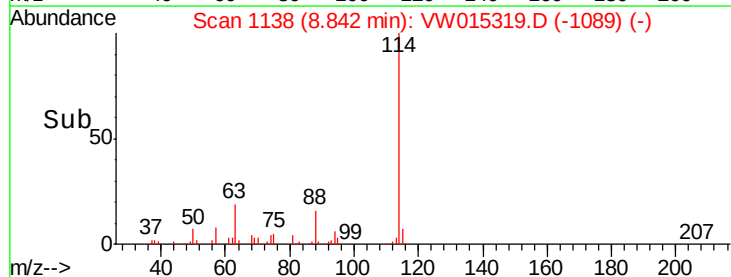
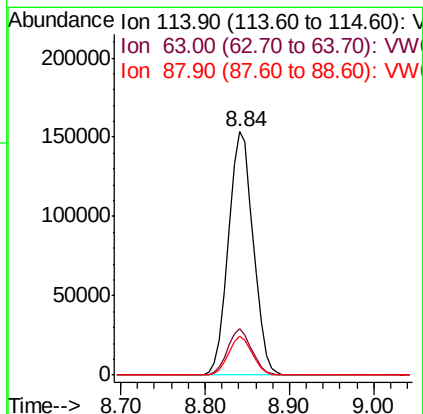
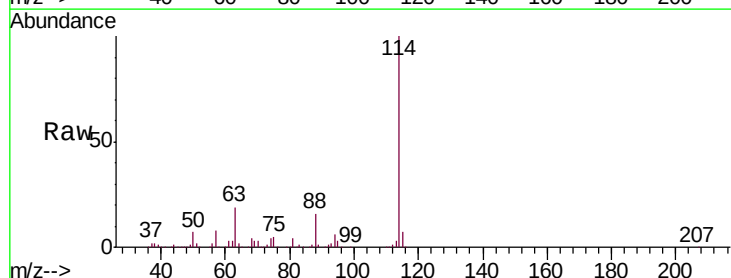
Tgt Ion: 114 Resp: 307140

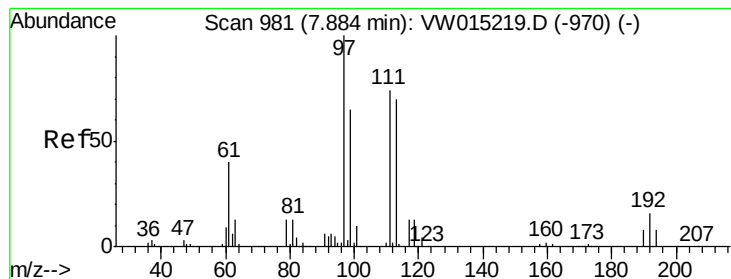
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.322 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

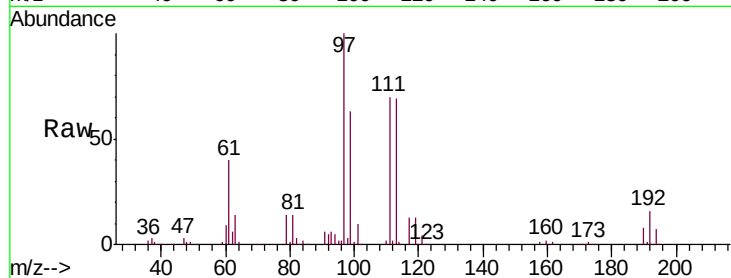
Tgt Ion:113 Resp: 89016

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

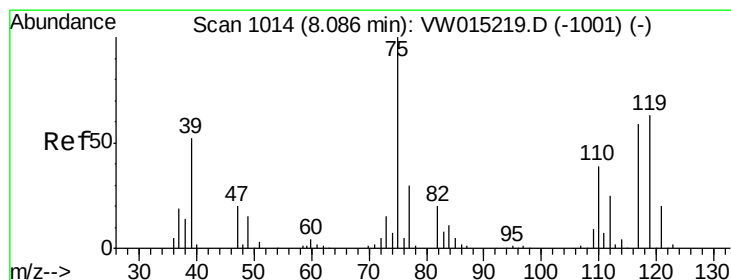
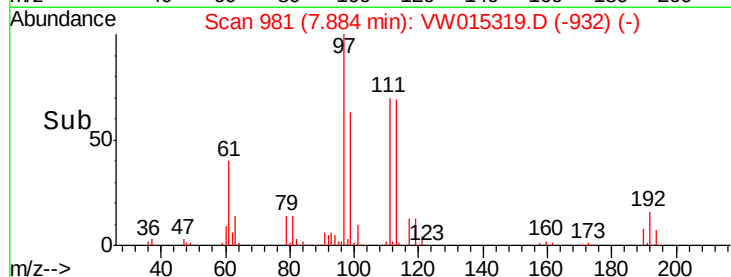
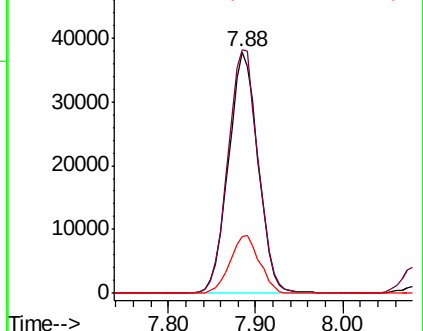
192 23.8 15.1 22.7#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.522 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

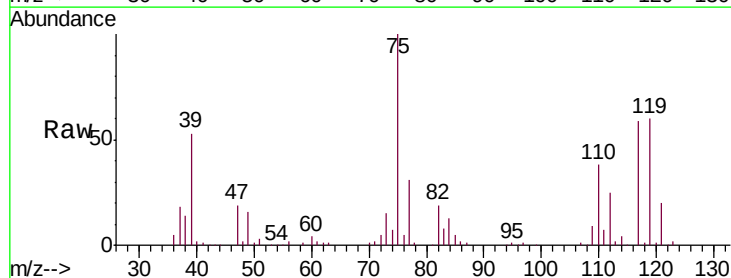
Tgt Ion: 75 Resp: 140053

Ion Ratio Lower Upper

75 100

110 38.0 18.2 54.6

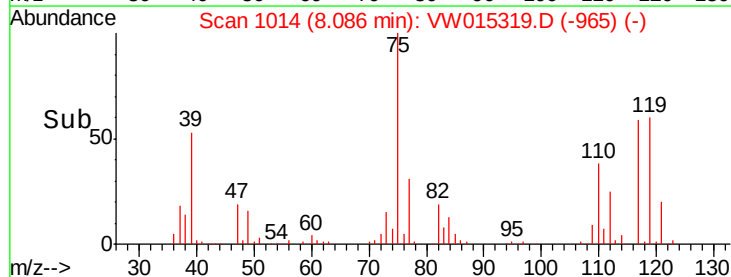
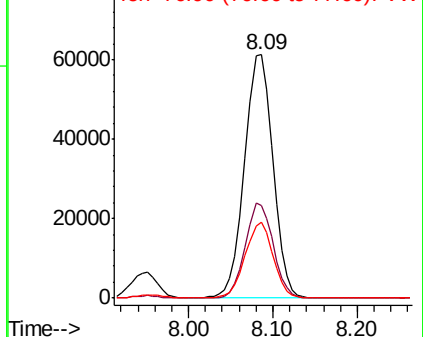
77 30.8 24.5 36.7

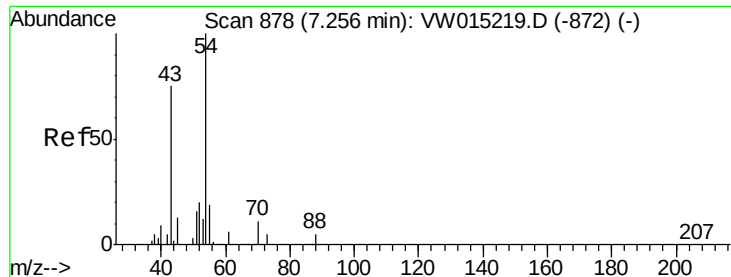


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

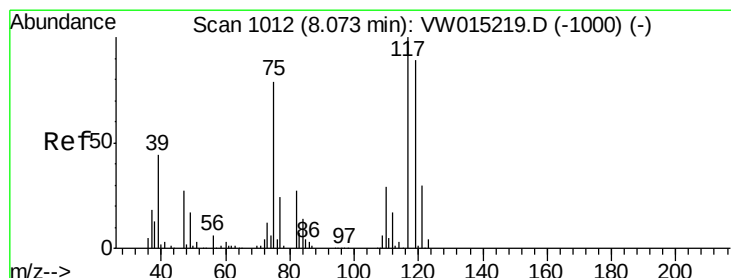
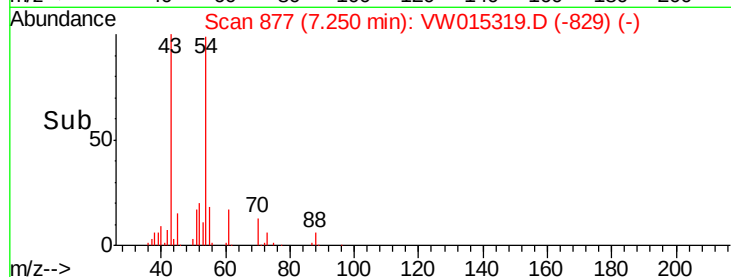
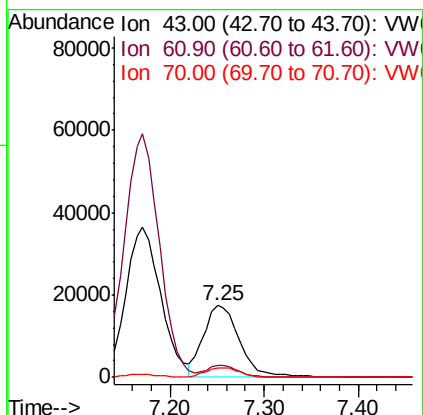
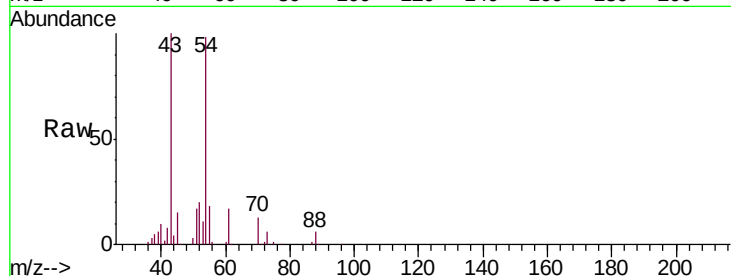




#37
 Ethyl Acetate
 Concen: 50.500 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

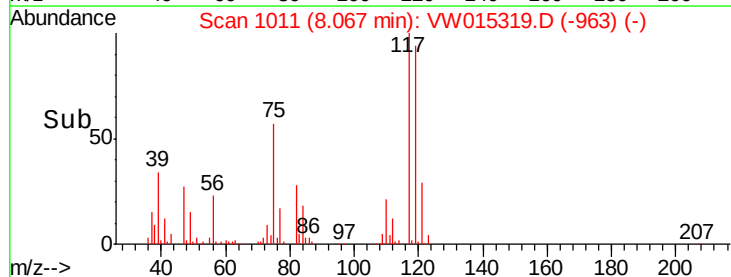
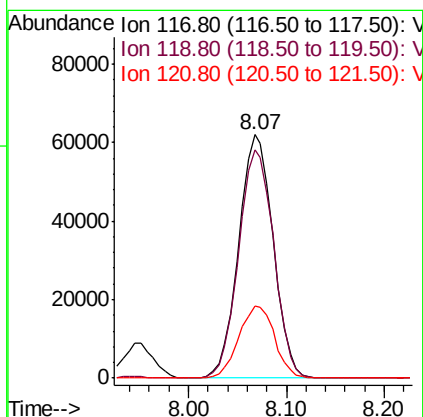
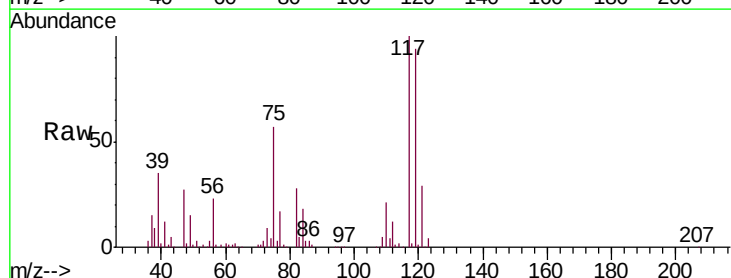
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

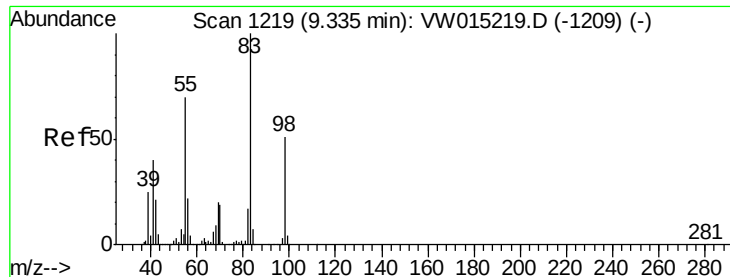
Tgt Ion: 43 Resp: 45433
 Ion Ratio Lower Upper
 43 100
 61 15.5 11.9 17.9
 70 13.2 8.8 13.2



#38
 Carbon Tetrachloride
 Concen: 49.925 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion: 117 Resp: 151242
 Ion Ratio Lower Upper
 117 100
 119 93.7 72.3 108.5
 121 29.4 23.7 35.5

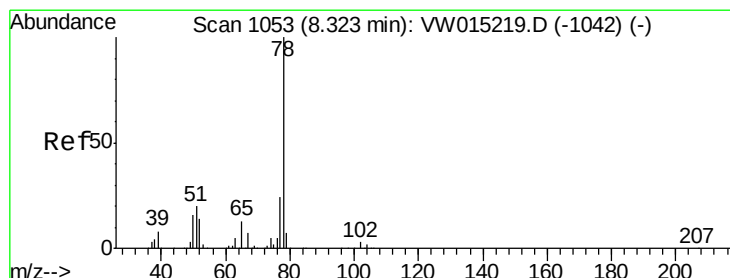
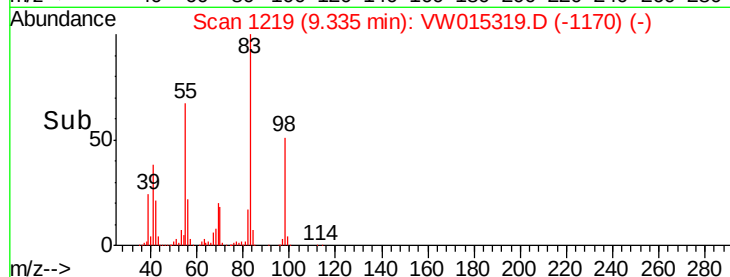
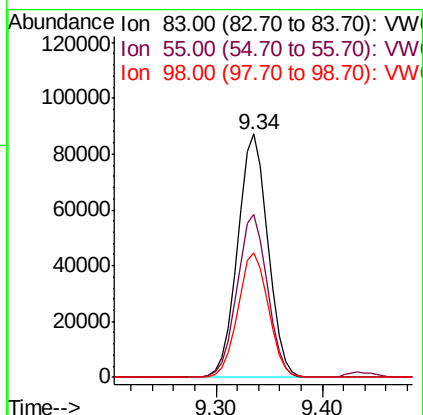
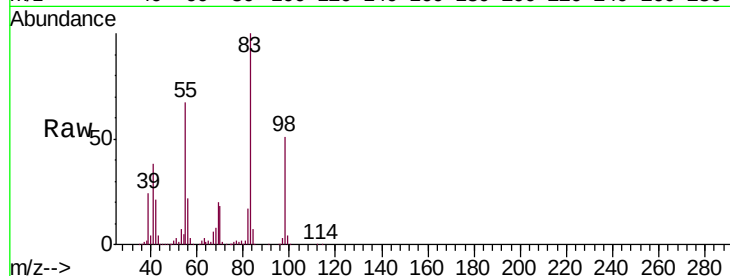




#39
Methylcyclohexane
Concen: 47.284 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

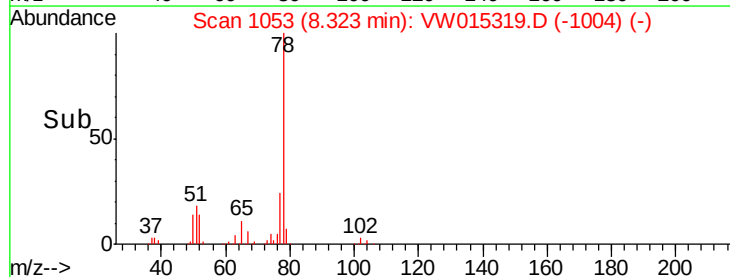
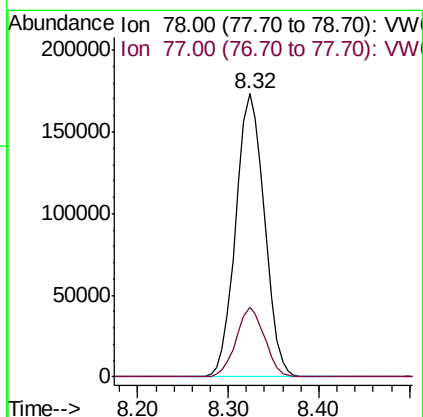
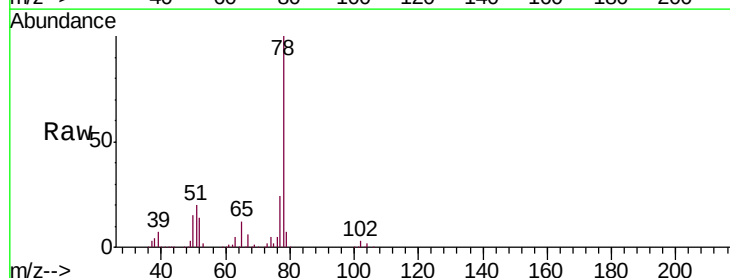
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

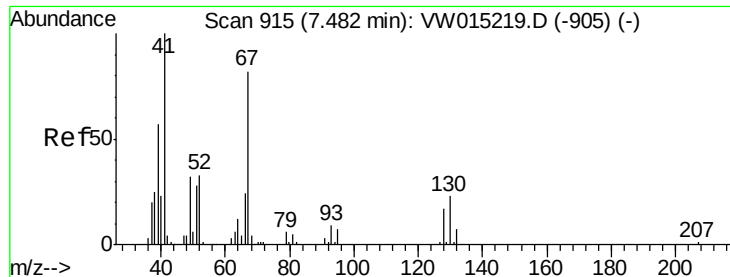
Tgt Ion: 83 Resp: 174462
Ion Ratio Lower Upper
83 100
55 67.1 58.1 87.1
98 51.2 40.2 60.4



#40
Benzene
Concen: 51.442 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion: 78 Resp: 380934
Ion Ratio Lower Upper
78 100
77 24.4 18.2 27.2

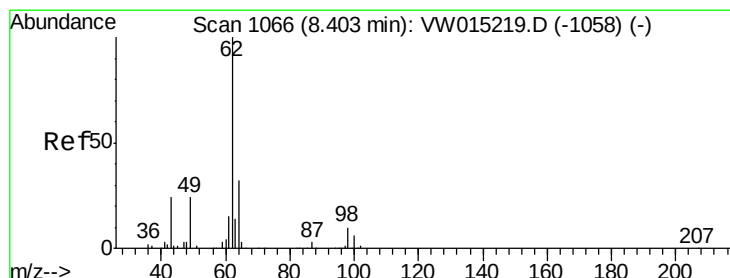
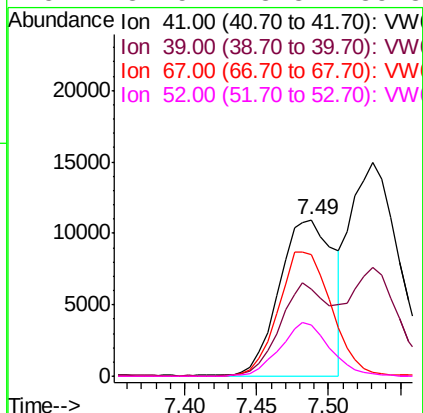
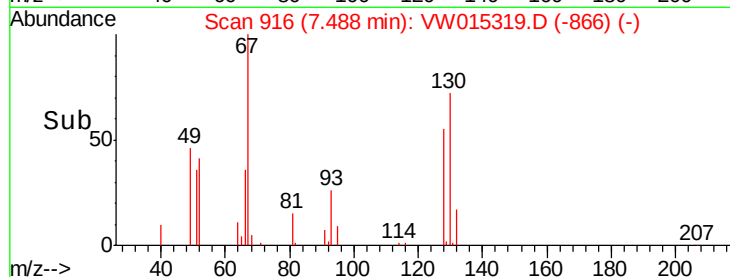
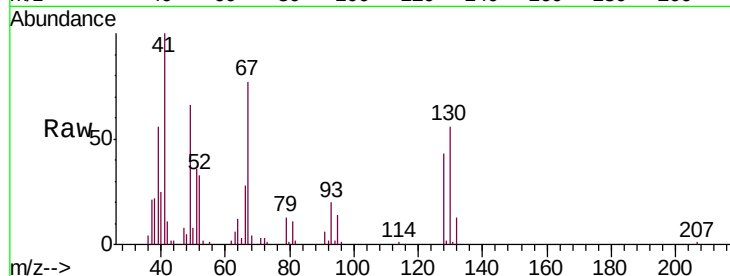




#41
Methacrylonitrile
Concen: 53.934 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

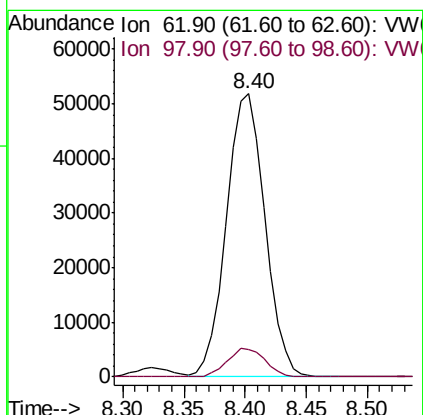
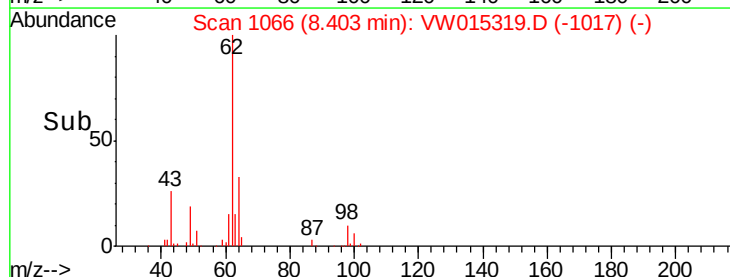
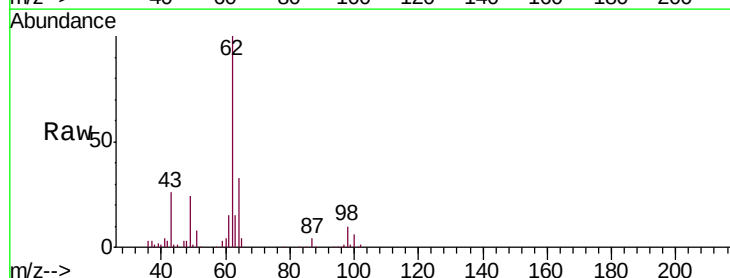
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

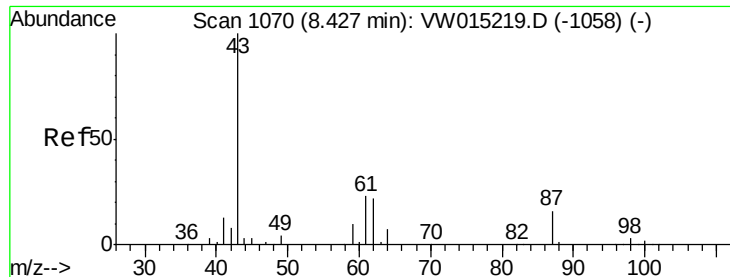
Tgt Ion:	41	Resp:	29114
Ion	Ratio	Lower	Upper
41	100		
39	49.9	41.9	62.9
67	77.5	60.6	91.0
52	31.5	23.8	35.8



#42
1,2-Dichloroethane
Concen: 52.030 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion:	62	Resp:	113423
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 49.792 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

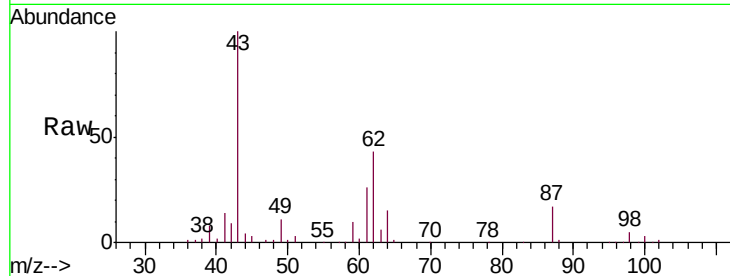
Tgt Ion: 43 Resp: 93955

Ion Ratio Lower Upper

43 100

61 34.1 24.8 37.2

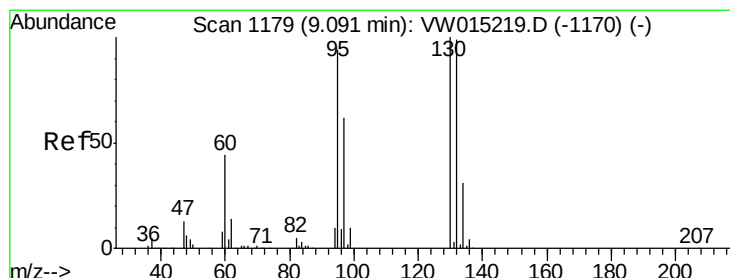
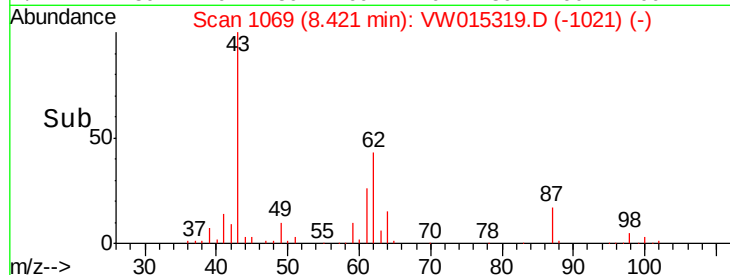
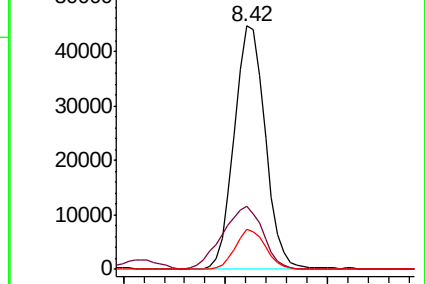
87 16.2 11.4 17.2



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: 53.678 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015319.D

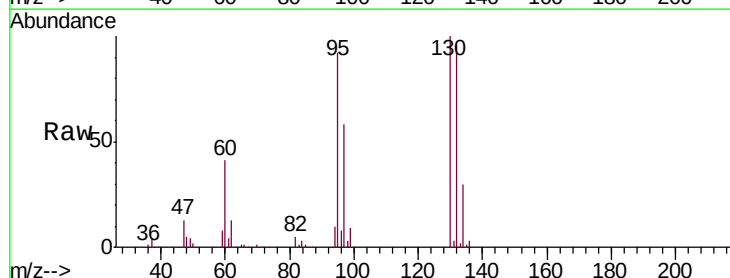
Acq: 22 Apr 2020 19:51

Tgt Ion: 130 Resp: 121585

Ion Ratio Lower Upper

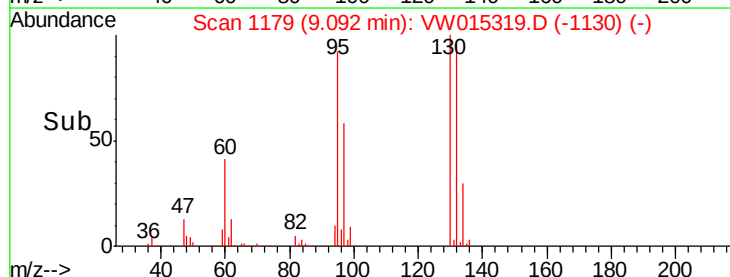
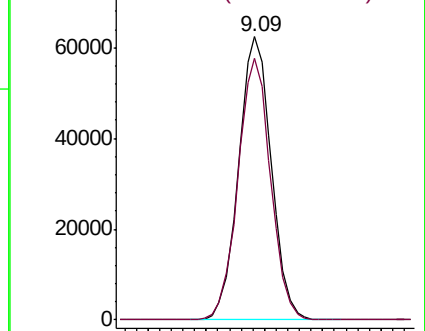
130 100

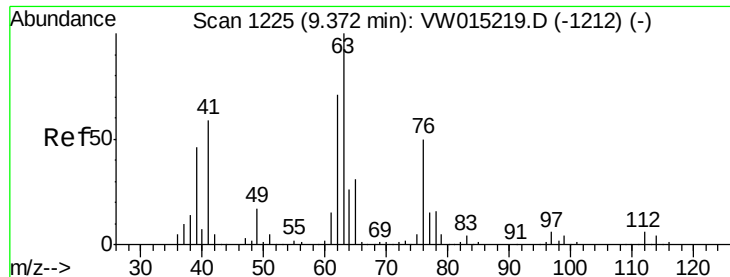
95 92.4 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

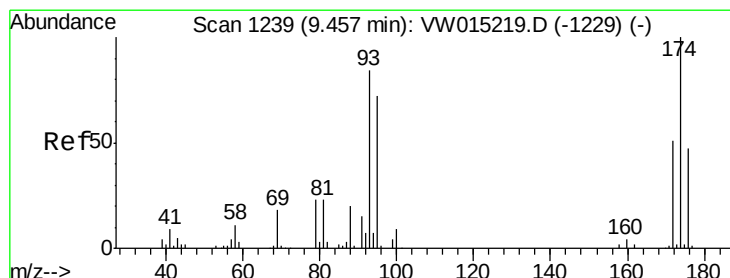
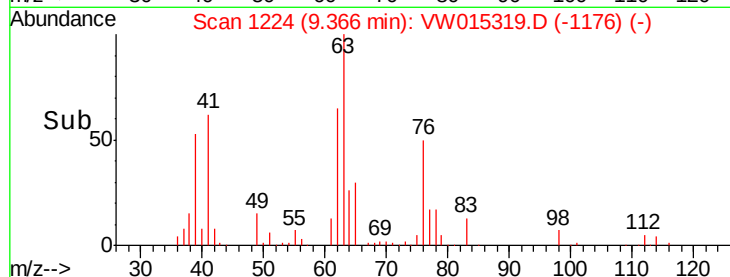
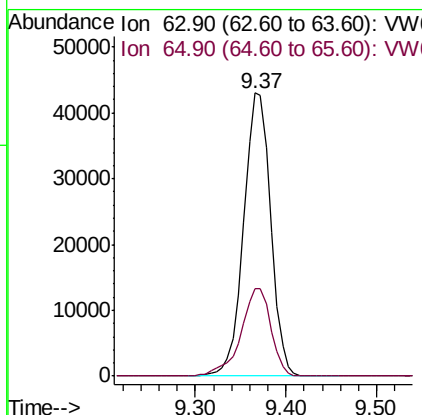
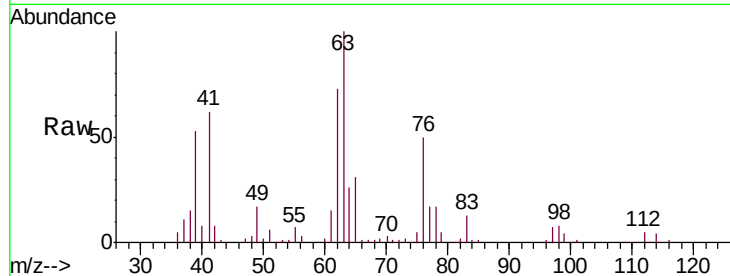




#45
 1,2-Dichloropropane
 Concen: 51.477 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

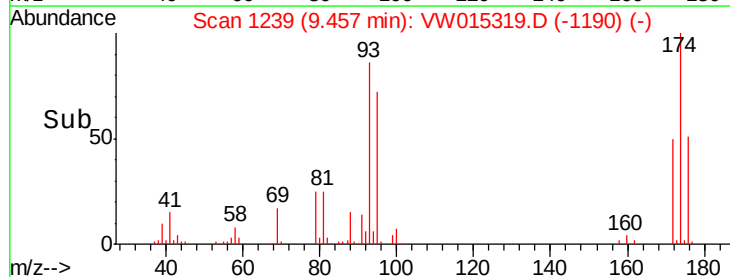
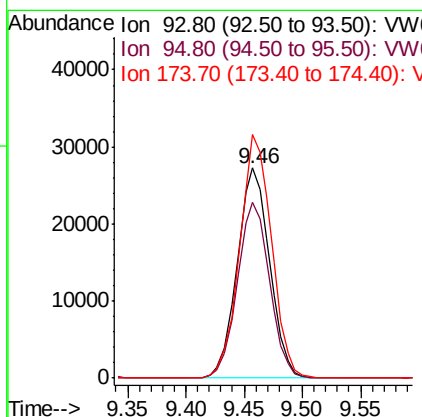
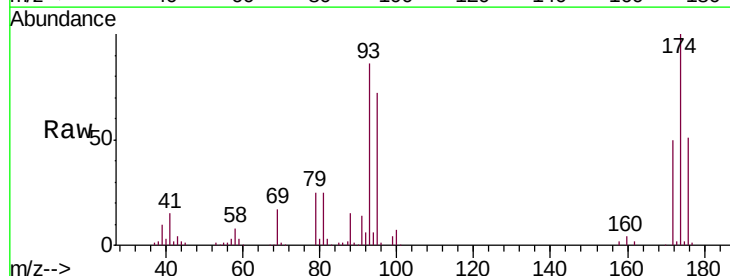
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

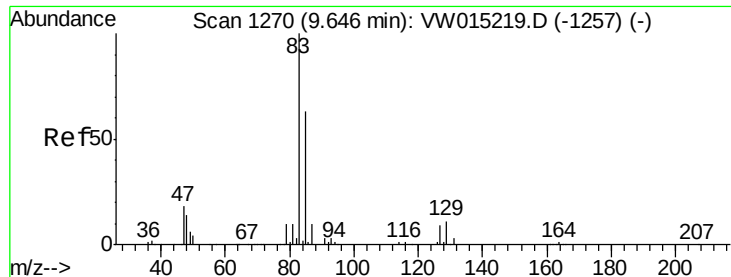
Tgt Ion: 63 Resp: 88646
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.5 38.3



#46
 Dibromomethane
 Concen: 53.113 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion: 93 Resp: 52908
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.5 101.3
 174 114.1 74.1 111.1#

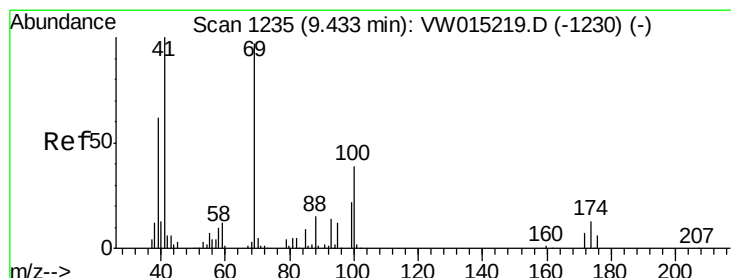
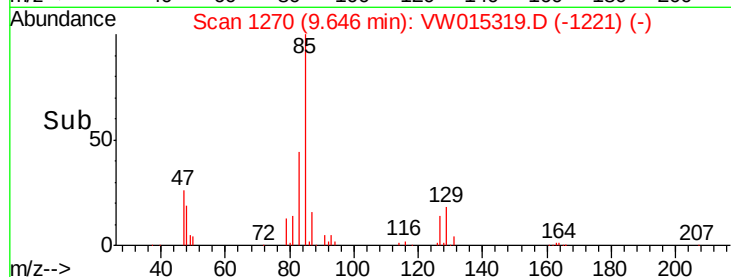
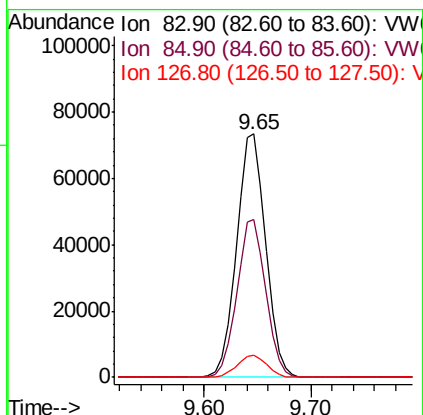
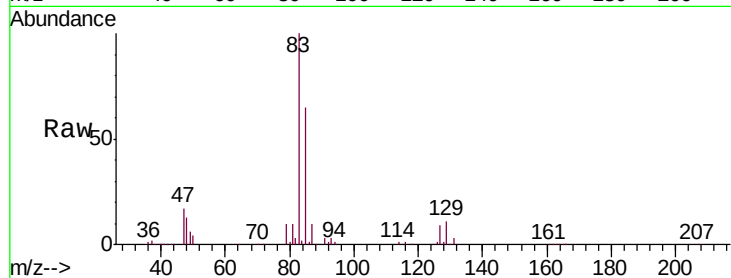




#47
 Bromodichloromethane
 Concen: 52.775 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

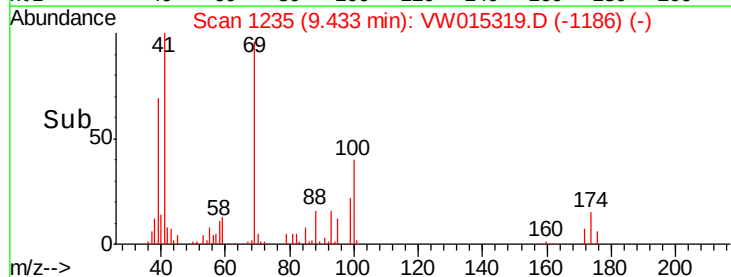
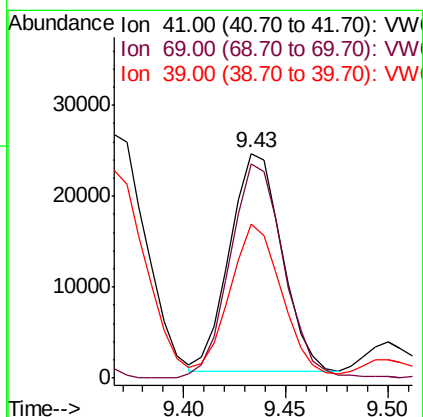
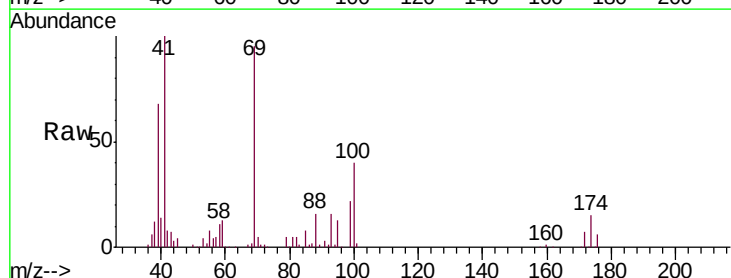
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

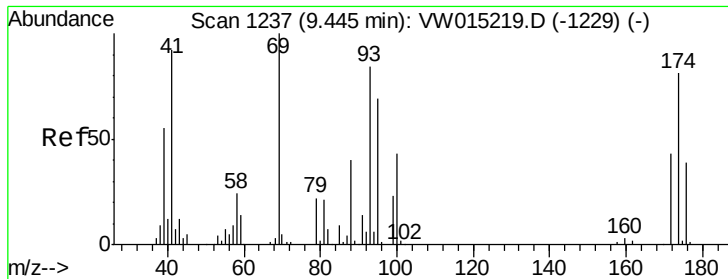
Tgt Ion: 83 Resp: 140536
 Ion Ratio Lower Upper
 83 100
 85 64.7 50.6 76.0
 127 9.2 6.7 10.1



#48
 Methyl methacrylate
 Concen: 47.603 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion: 41 Resp: 42462
 Ion Ratio Lower Upper
 41 100
 69 102.3 70.6 105.8
 39 71.6 42.6 64.0#

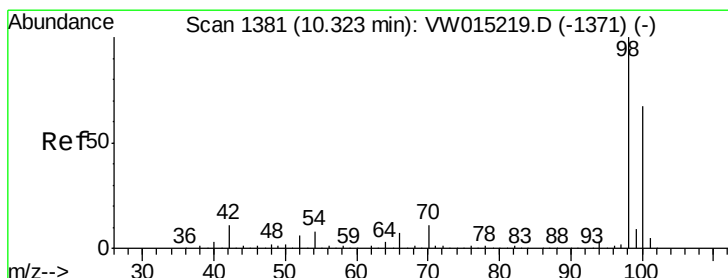
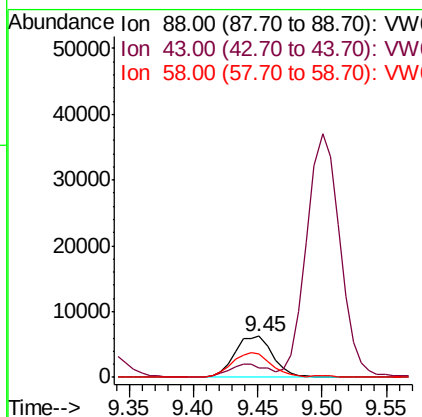
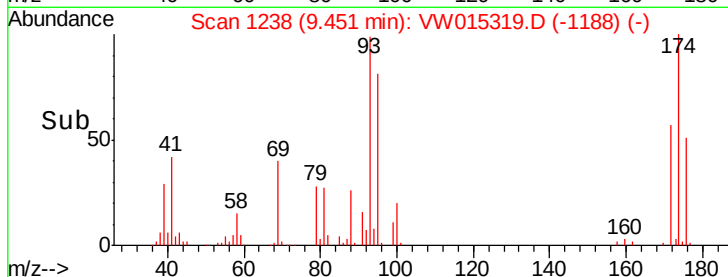
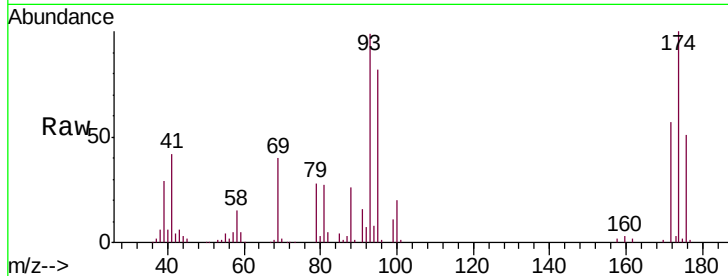




#49
 1,4-Dioxane
 Concen: 962.972 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

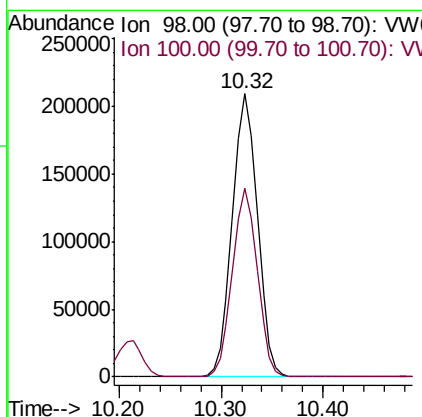
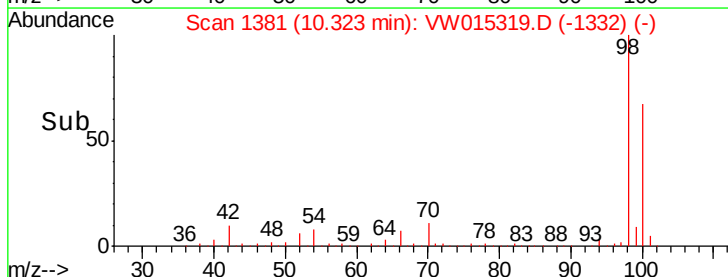
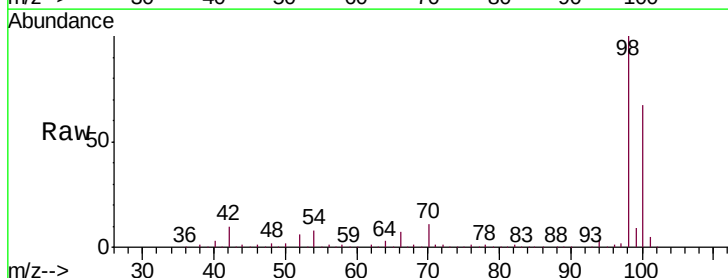
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

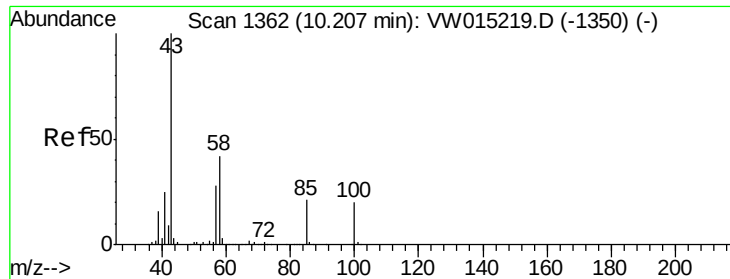
Tgt Ion: 88 Resp: 12788
 Ion Ratio Lower Upper
 88 100
 43 30.6 23.5 35.3
 58 62.2 55.4 83.2



#50
 Toluene-d8
 Concen: 50.007 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion: 98 Resp: 357891
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.9 79.3

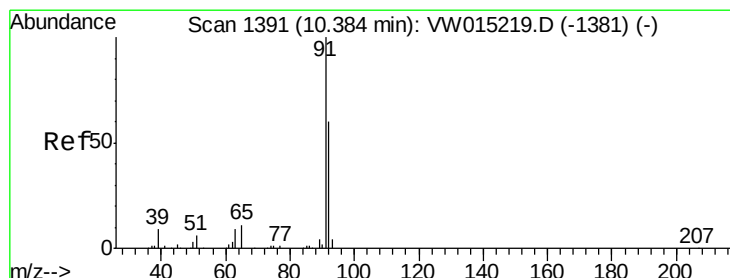
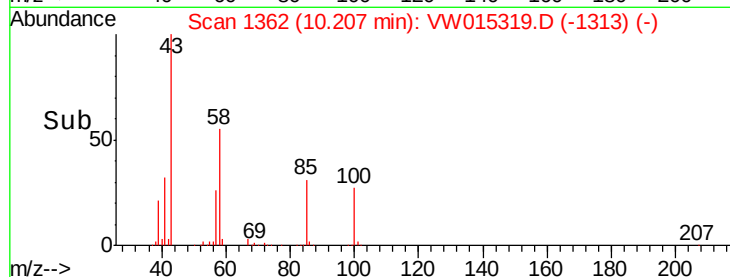
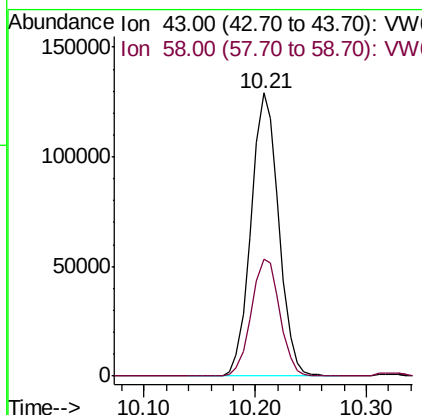
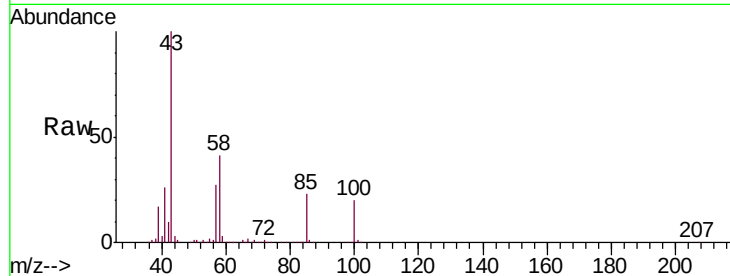




#51
 4-Methyl-2-Pentanone
 Concen: 252.661 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

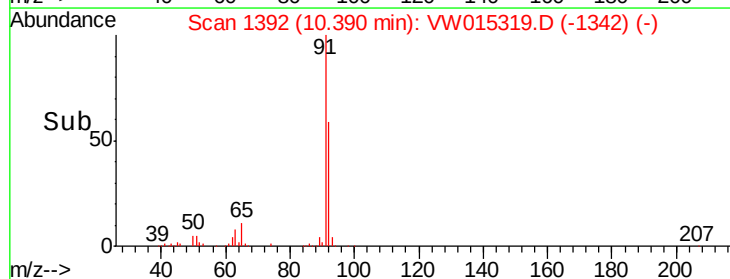
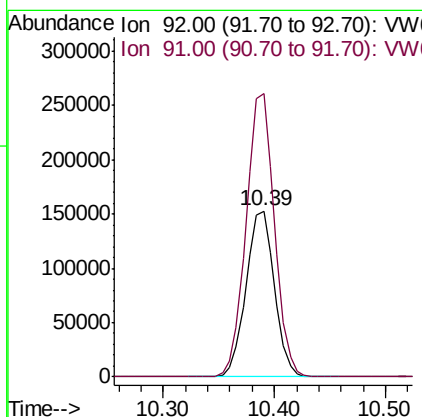
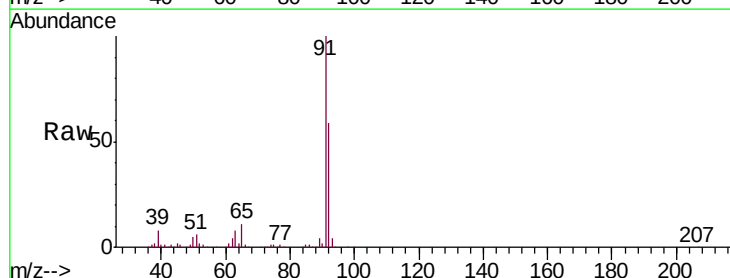
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

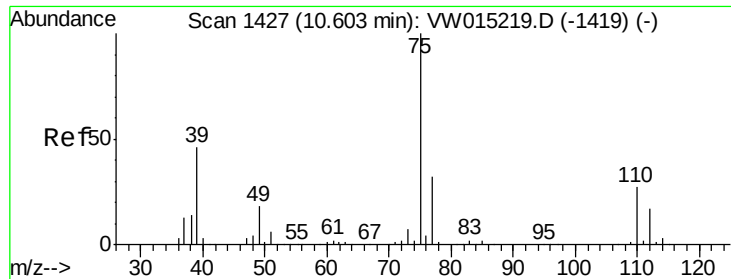
Tgt Ion: 43 Resp: 223800
 Ion Ratio Lower Upper
 43 100
 58 42.6 32.3 48.5



#52
 Toluene
 Concen: 52.283 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion: 92 Resp: 270956
 Ion Ratio Lower Upper
 92 100
 91 170.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 52.485 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

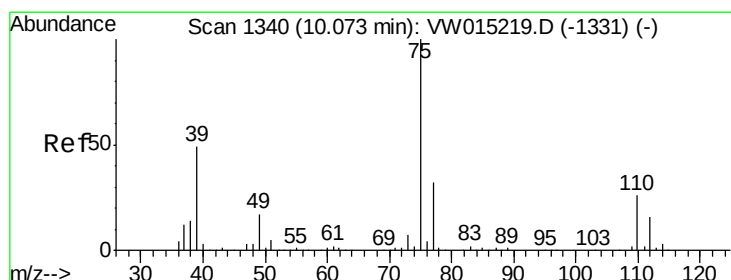
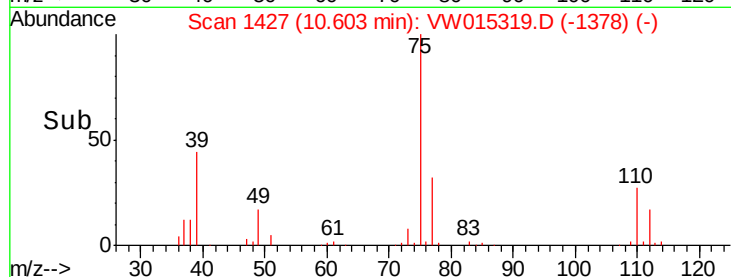
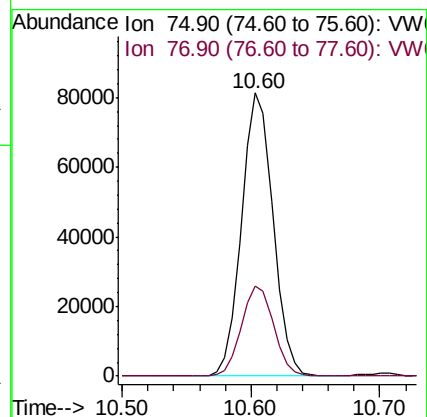
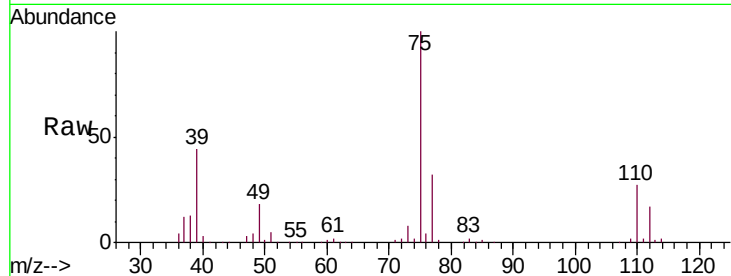
VSTDCCC050EC

Tgt Ion: 75 Resp: 137812

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.020 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

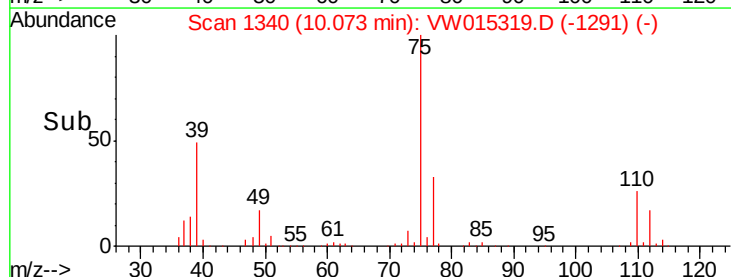
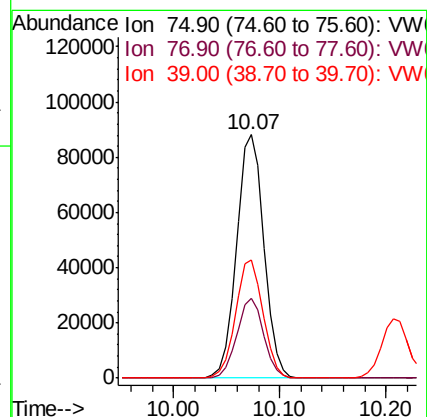
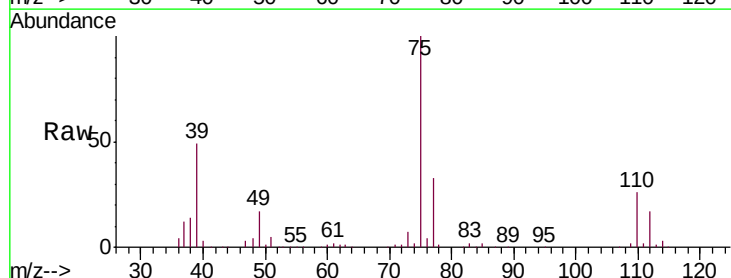
Tgt Ion: 75 Resp: 158765

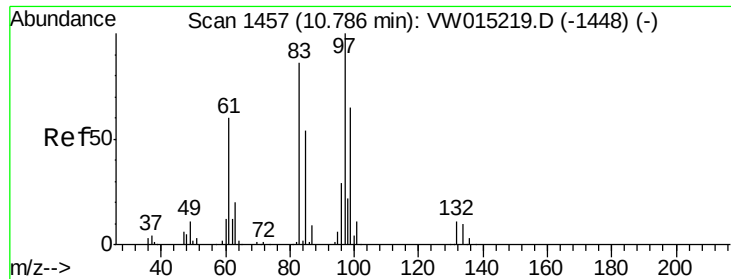
Ion Ratio Lower Upper

75 100

77 32.8 26.6 39.8

39 48.8 37.8 56.6

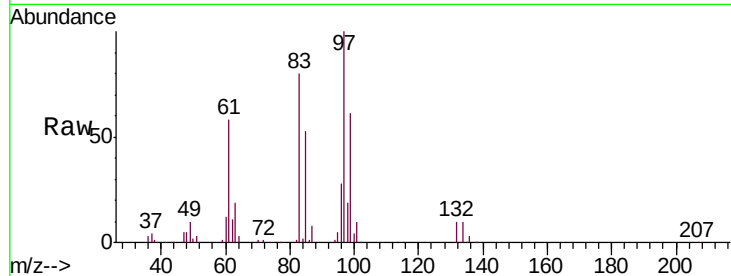




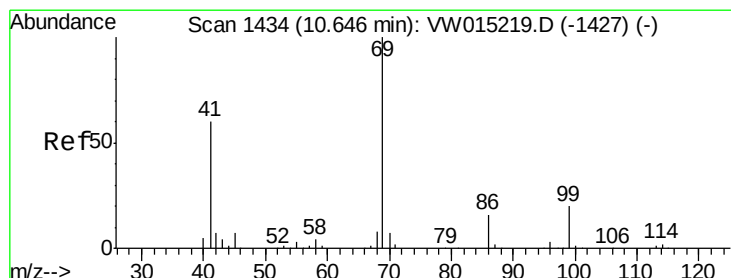
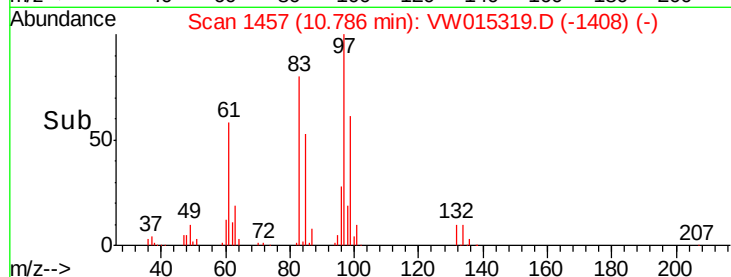
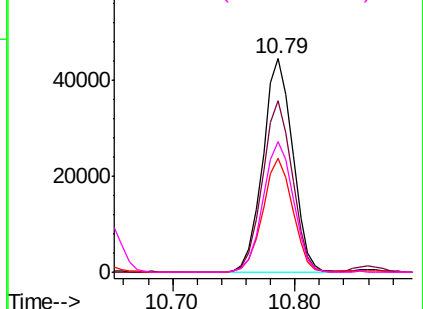
#55
 1,1,2-Trichloroethane
 Concen: 54.310 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	75755
Ion	Ratio	Lower	Upper
97	100		
83	80.4	67.3	100.9
85	53.0	43.8	65.8
99	60.9	51.4	77.0

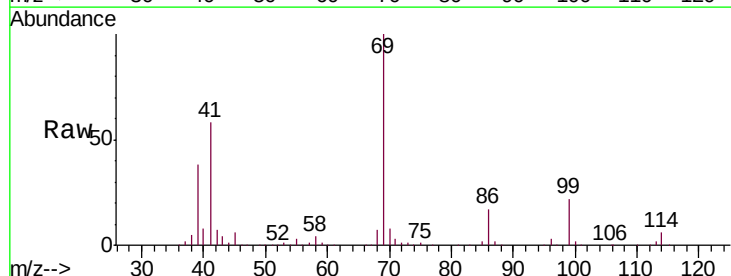


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

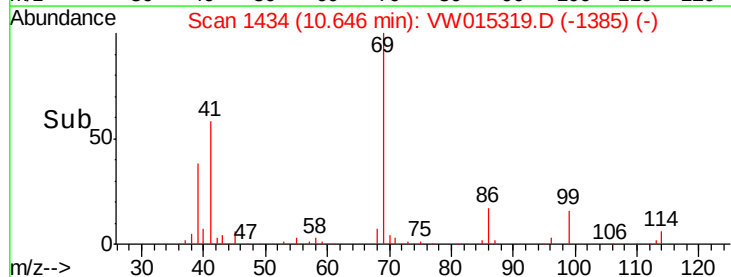
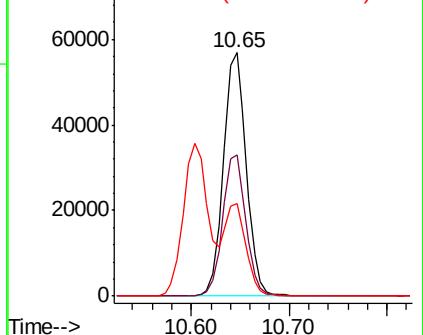


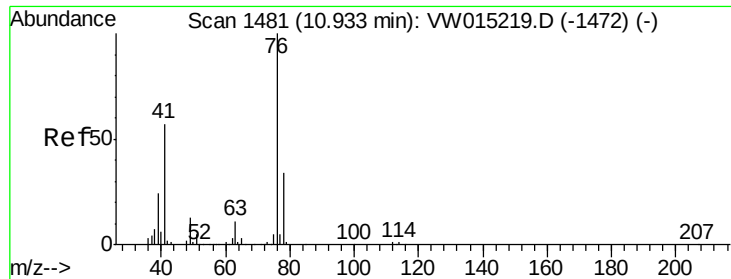
#56
 Ethyl methacrylate
 Concen: 51.312 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion:	69	Resp:	92204
Ion	Ratio	Lower	Upper
69	100		
41	58.7	51.3	76.9
39	35.4	24.6	37.0



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

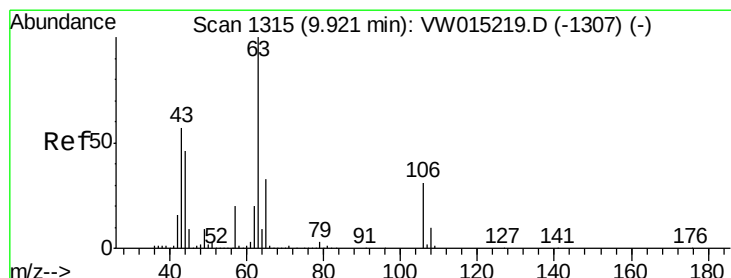
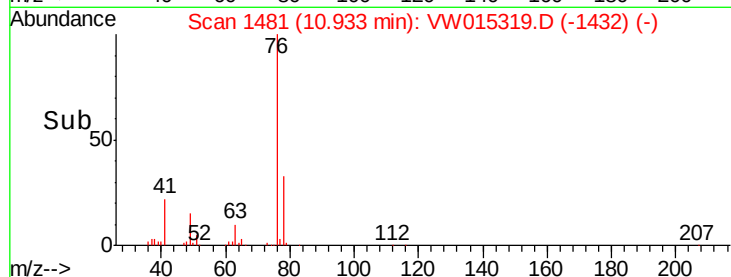
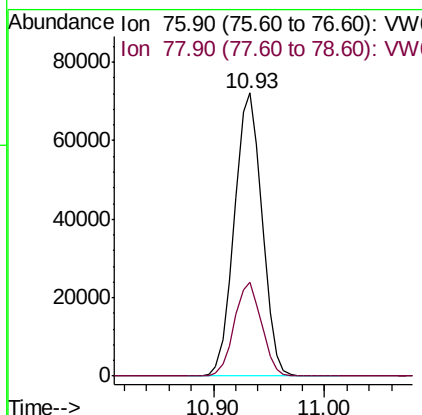
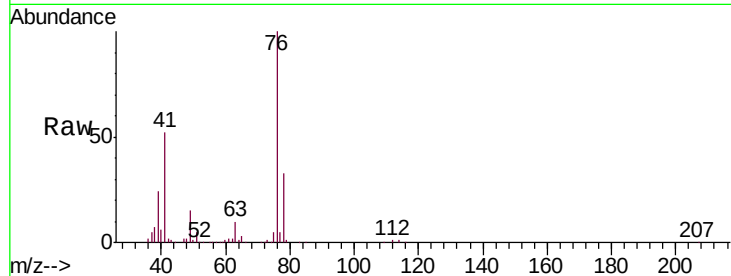




#57
 1,3-Dichloropropane
 Concen: 53.637 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

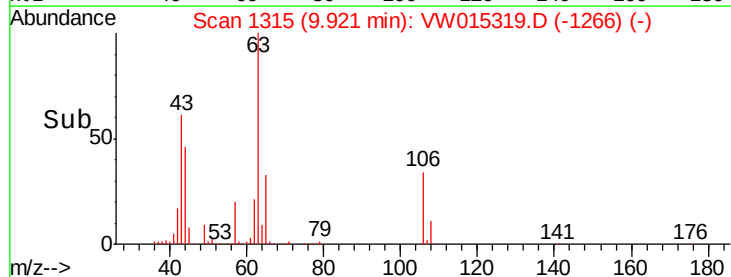
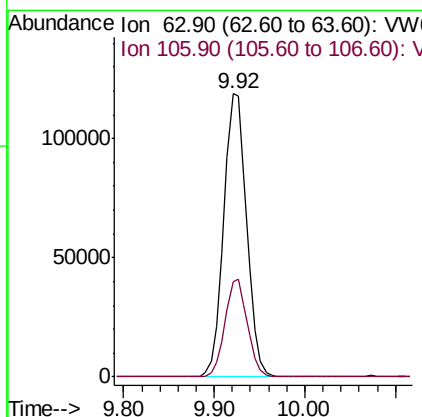
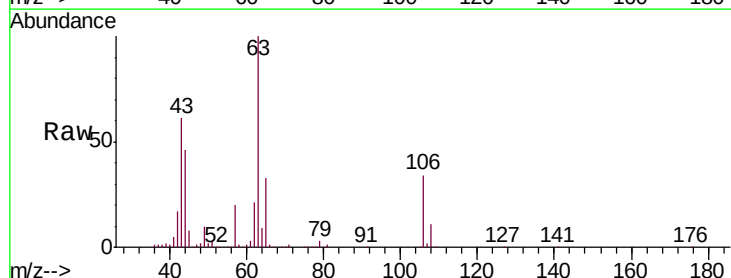
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

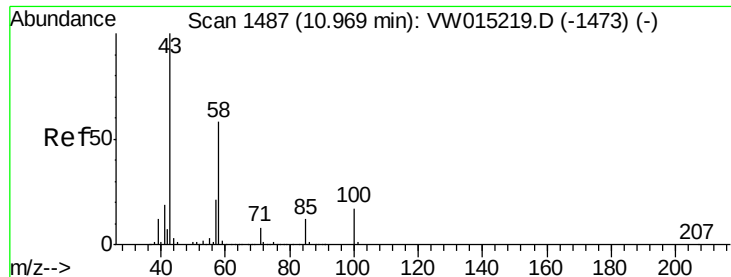
Tgt Ion: 76 Resp: 123932
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.202 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion: 63 Resp: 208440
 Ion Ratio Lower Upper
 63 100
 106 33.6 22.6 33.8

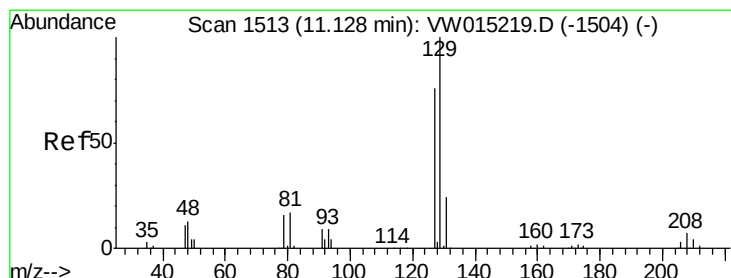
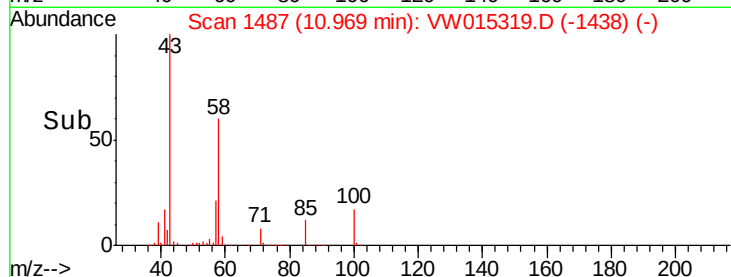
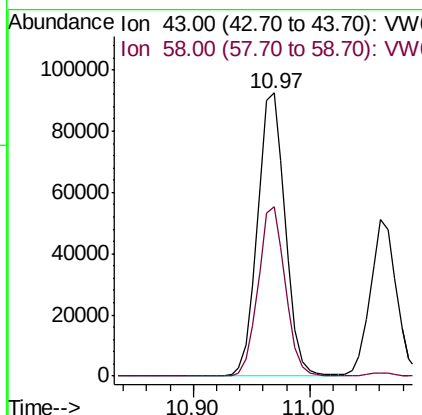
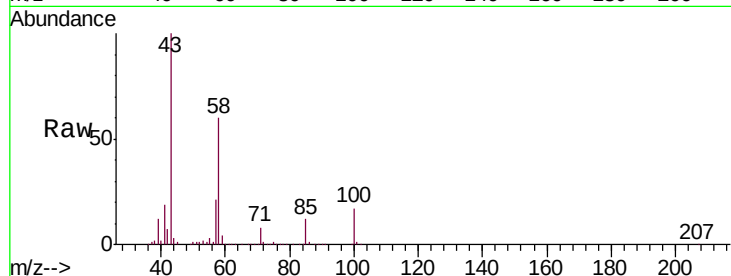




#59
2-Hexanone
Concen: 242.682 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

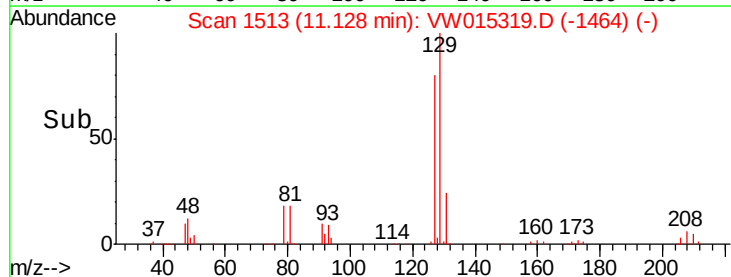
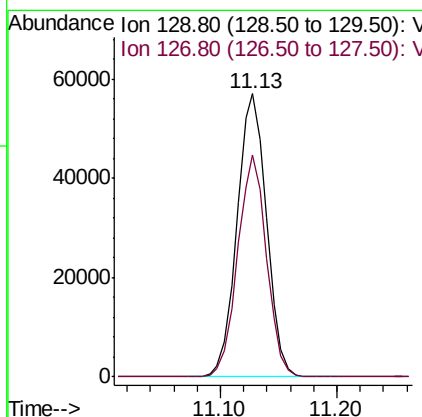
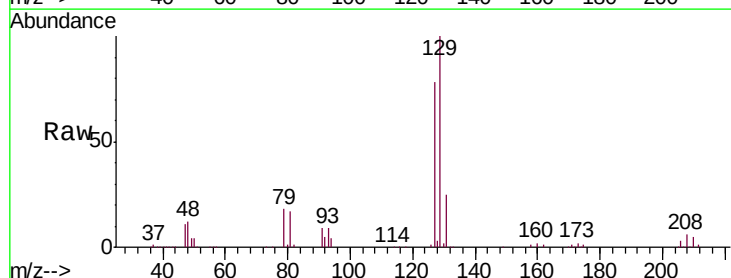
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

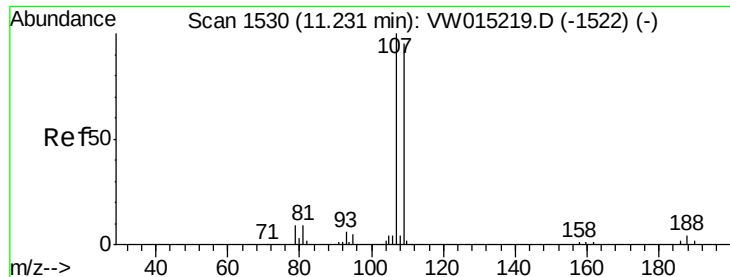
Tgt Ion: 43 Resp: 153447
Ion Ratio Lower Upper
43 100
58 58.8 28.1 84.3



#60
Dibromochloromethane
Concen: 54.591 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion: 129 Resp: 100541
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.8

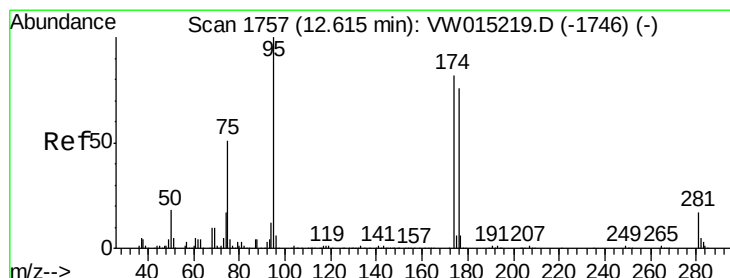
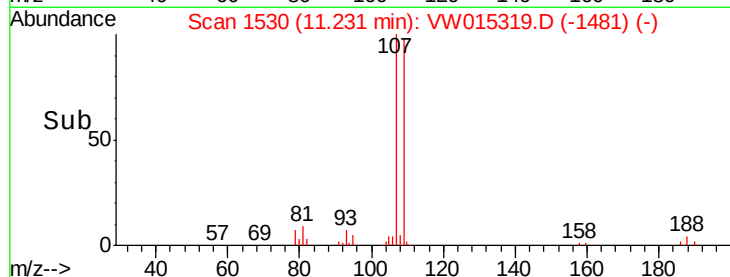
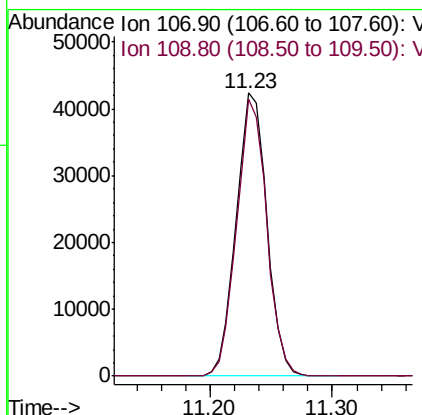
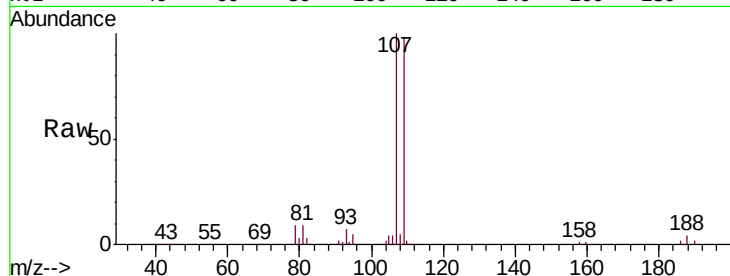




#61
1,2-Dibromoethane
Concen: 54.070 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

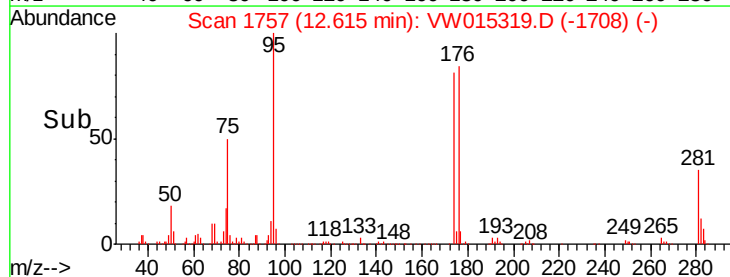
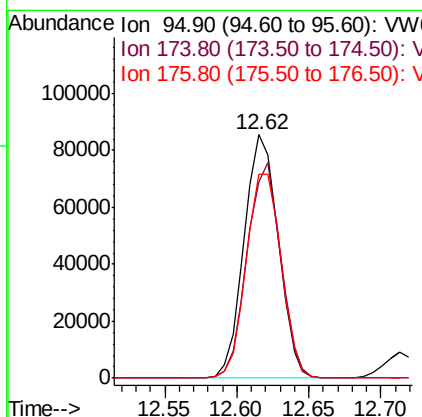
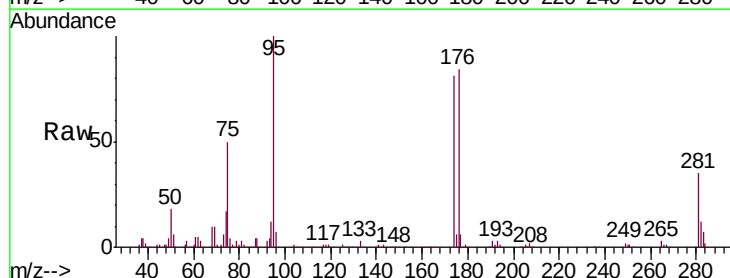
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

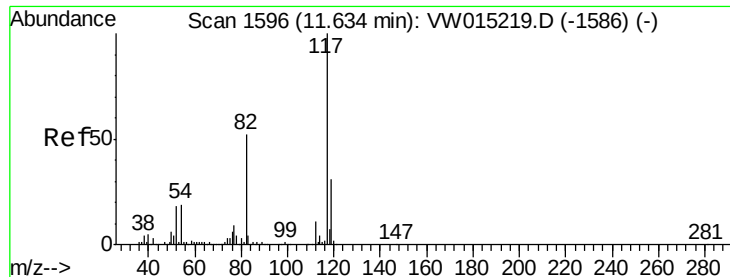
Tgt Ion: 107 Resp: 73592
Ion Ratio Lower Upper
107 100
109 95.8 74.3 111.5



#62
4-Bromofluorobenzene
Concen: 51.421 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion: 95 Resp: 140415
Ion Ratio Lower Upper
95 100
174 86.9 0.0 144.4
176 86.0 0.0 140.6

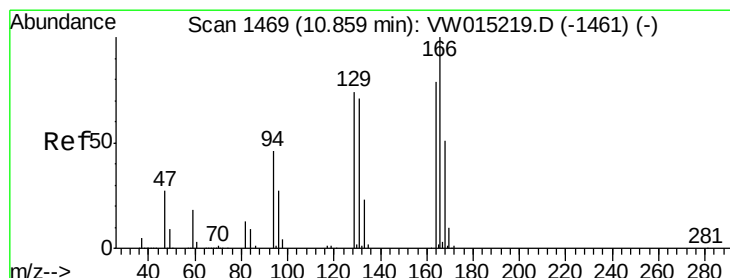
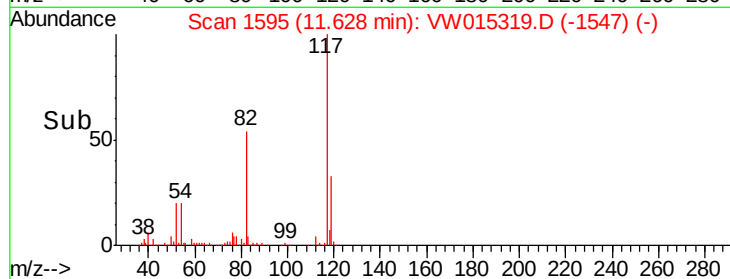
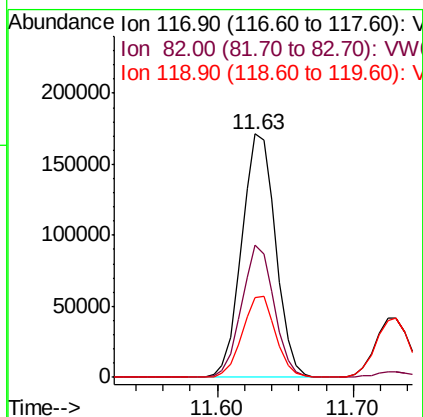
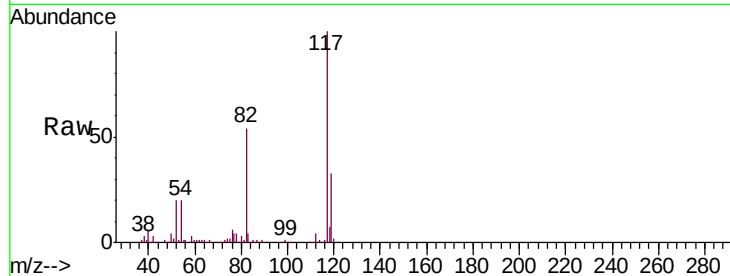




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 298092
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 33.0 24.9 37.3



#64
Tetrachloroethene
Concen: 51.377 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion:164 Resp: 109304
Ion Ratio Lower Upper
164 100
166 128.2 102.6 154.0
129 94.2 80.2 120.2
131 83.7 77.4 116.2

