

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010579.D
 Acq On : 28 May 2019 21:07
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 29 07:04:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	127669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	201233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99910	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	69149	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
35) Dibromofluoromethane	7.88	113	70380	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
50) Toluene-d8	10.32	98	263479	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.62	95	102745	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	51377	45.144	ug/l	98
3) Chloromethane	2.21	50	55928	41.694	ug/l	98
4) Vinyl Chloride	2.35	62	61572	39.628	ug/l	97
5) Bromomethane	2.75	94	47030	43.998	ug/l	96
6) Chloroethane	2.90	64	44979	45.095	ug/l	100
7) Trichlorofluoromethane	3.25	101	111239	48.493	ug/l	98
8) Diethyl Ether	3.68	74	38199	52.532	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70020	49.565	ug/l	98
10) Methyl Iodide	4.27	142	75456	46.731	ug/l	97
11) Tert butyl alcohol	5.17	59	39687	334.822	ug/l	94
12) 1,1-Dichloroethene	4.03	96	65941	48.899	ug/l	99
13) Acrolein	3.89	56	19429	284.373	ug/l	95
14) Allyl chloride	4.67	41	95229	48.786	ug/l	99
15) Acrylonitrile	5.37	53	80243	263.496	ug/l	98
16) Acetone	4.12	43	69797	259.484	ug/l	100
17) Carbon Disulfide	4.37	76	181899	45.223	ug/l	99
18) Methyl Acetate	4.67	43	36109	54.889	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	183890	53.490	ug/l	97
20) Methylene Chloride	4.92	84	74844	47.130	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	78419	50.698	ug/l	95
22) Diisopropyl ether	6.31	45	203685	50.890	ug/l	97
23) Vinyl Acetate	6.26	43	608680	254.588	ug/l	100
24) 1,1-Dichloroethane	6.21	63	122890	51.451	ug/l	98
25) 2-Butanone	7.17	43	103104	267.843	ug/l	99
26) 2,2-Dichloropropane	7.17	77	108207	47.560	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	89014	52.933	ug/l	99
28) Bromochloromethane	7.51	49	43656	51.050	ug/l	92
29) Tetrahydrofuran	7.52	42	65704	252.241	ug/l	97
30) Chloroform	7.68	83	136409	52.947	ug/l	100
31) Cyclohexane	7.95	56	109892	43.923	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	124162	50.423	ug/l	98
36) 1,1-Dichloropropene	8.09	75	101328	49.388	ug/l	99
37) Ethyl Acetate	7.25	43	47163	54.057	ug/l	99
38) Carbon Tetrachloride	8.07	117	110155	49.771	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	133451	48.550	ug/l	98
40) Benzene	8.32	78	298133	52.281	ug/l	99
41) Methacrylonitrile	7.48	41	25947	50.052	ug/l	98
42) 1,2-Dichloroethane	8.40	62	86185	52.880	ug/l	100
43) Isopropyl Acetate	8.43	43	90288	51.801	ug/l	99
44) Trichloroethene	9.09	130	90653	53.547	ug/l	98
45) 1,2-Dichloropropane	9.37	63	71125	52.517	ug/l	100
46) Dibromomethane	9.46	93	43030	54.328	ug/l	95
47) Bromodichloromethane	9.65	83	105062	52.785	ug/l	99
48) Methyl methacrylate	9.43	41	40886	51.274	ug/l	97
49) 1,4-Dioxane	9.45	88	14979	1157.711	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	236902	268.227	ug/l	99
52) Toluene	10.39	92	200772	52.426	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	104573	51.876	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	120117	52.176	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	63488	55.742	ug/l	98
56) Ethyl methacrylate	10.65	69	82830	52.730	ug/l	99
57) 1,3-Dichloropropane	10.93	76	104936	55.003	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	180252	259.072	ug/l	98
59) 2-Hexanone	10.97	43	166868	264.853	ug/l	98
60) Dibromochloromethane	11.13	129	81465	56.515	ug/l	97
61) 1,2-Dibromoethane	11.24	107	63718	55.227	ug/l	99
64) Tetrachloroethene	10.86	164	77272	55.085	ug/l	99
65) Chlorobenzene	11.66	112	226866	52.898	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	83854	54.581	ug/l	99
67) Ethyl Benzene	11.73	91	382142	50.468	ug/l	100
68) m/p-Xylenes	11.84	106	301914	101.656	ug/l	99
69) o-Xylene	12.16	106	145590	51.740	ug/l	98
70) Styrene	12.18	104	251197	52.614	ug/l	99
71) Bromoform	12.35	173	47193	55.782	ug/l #	98
73) Isopropylbenzene	12.46	105	386627	48.766	ug/l	100
74) N-amyl acetate	12.27	43	89633	49.336	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	74713	51.811	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	92194	90.908	ug/l	25
77) Bromobenzene	12.75	156	95156	53.634	ug/l	95
78) n-propylbenzene	12.80	91	438674	47.479	ug/l	99
79) 2-Chlorotoluene	12.90	91	261516	48.808	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	332703	49.548	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22940	47.208	ug/l	98
82) 4-Chlorotoluene	12.99	91	274302	49.322	ug/l	99
83) tert-Butylbenzene	13.21	119	283620	48.355	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	329513	49.272	ug/l	99
85) sec-Butylbenzene	13.38	105	393494	47.939	ug/l	99
86) p-Isopropyltoluene	13.50	119	359381	48.372	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	181198	52.056	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	183570	52.563	ug/l	100
89) n-Butylbenzene	13.83	91	332973	47.118	ug/l	99
90) Hexachloroethane	14.10	117	70580	49.081	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	169643	53.488	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13809	51.500	ug/l	94

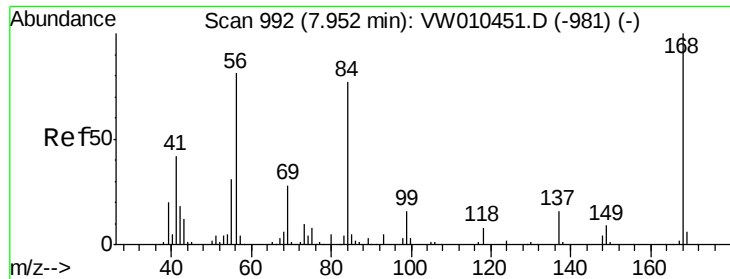
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	117985	54.675	ug/l	99
94) Hexachlorobutadiene	15.24	225	61449	53.304	ug/l	97
95) Naphthalene	15.37	128	244300	53.932	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	104405	56.228	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

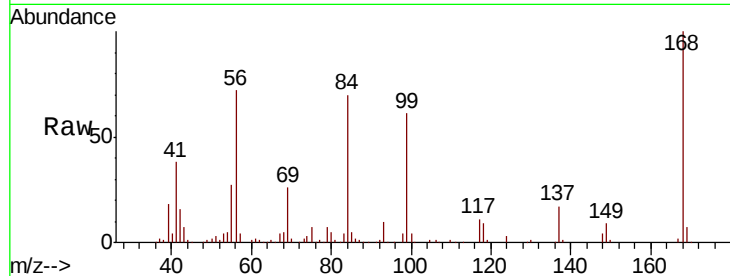
VSTDCCC050EC

Tot Ion:168 Resp: 127669

Ion Ratio Lower Upper

168 100

99 60.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

20000

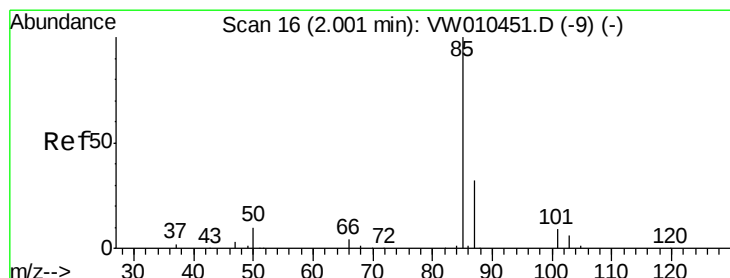
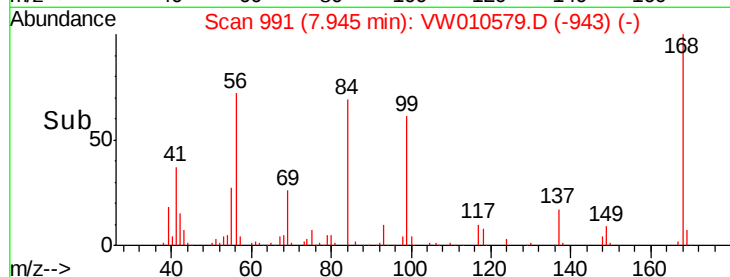
10000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 45.144 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010579.D

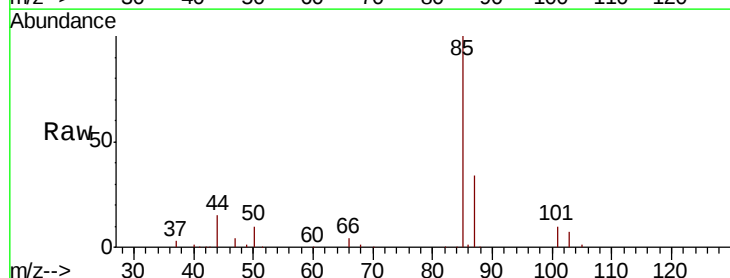
Acq: 28 May 2019 21:07

Tgt Ion: 85 Resp: 51377

Ion Ratio Lower Upper

85 100

87 33.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

20000

10000

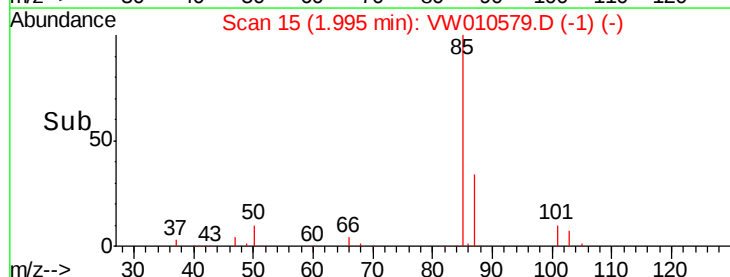
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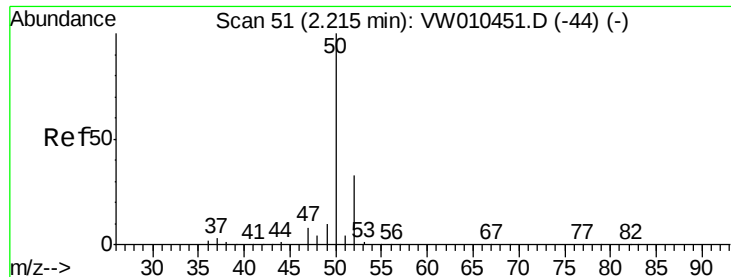
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 41.694 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

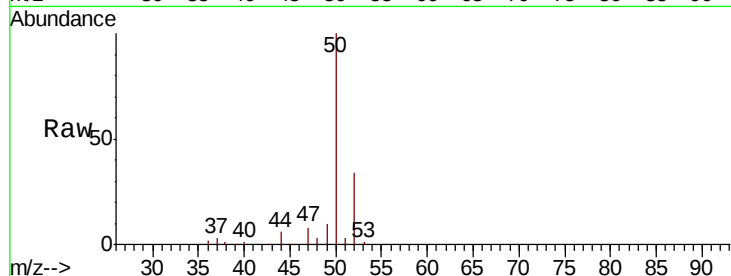
VSTDCCC050EC

Tot Ion: 50 Resp: 55928

Ion Ratio Lower Upper

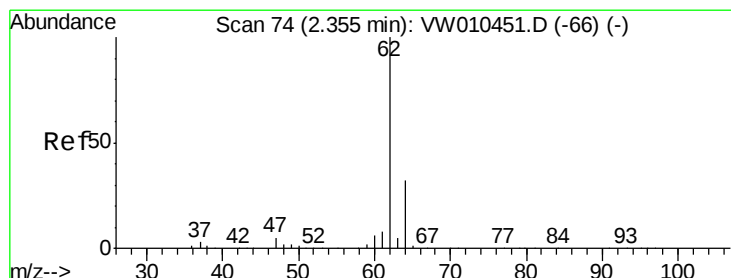
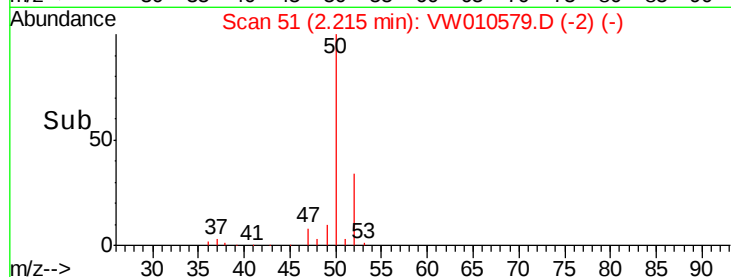
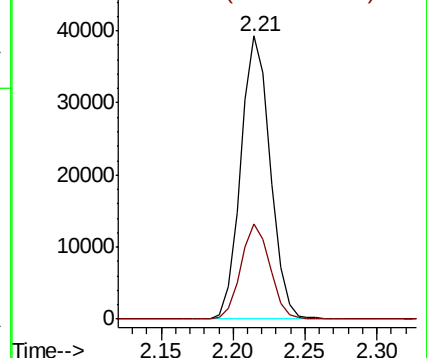
50 100

52 33.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 39.628 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010579.D

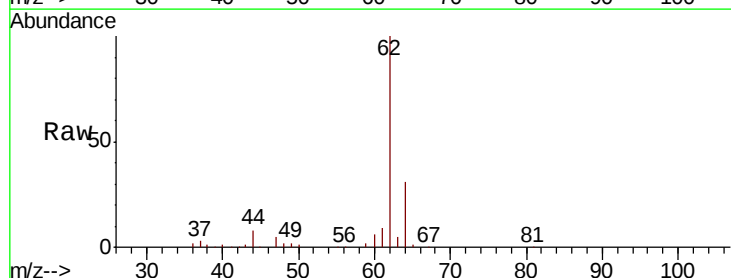
Acq: 28 May 2019 21:07

Tgt Ion: 62 Resp: 61572

Ion Ratio Lower Upper

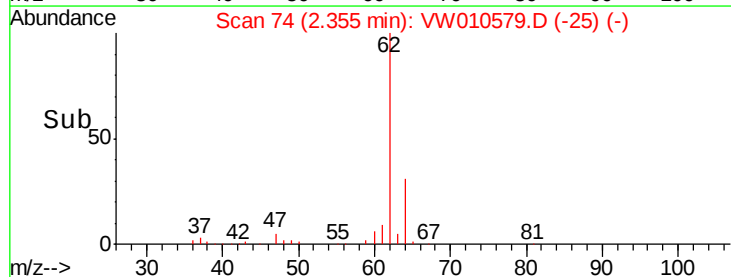
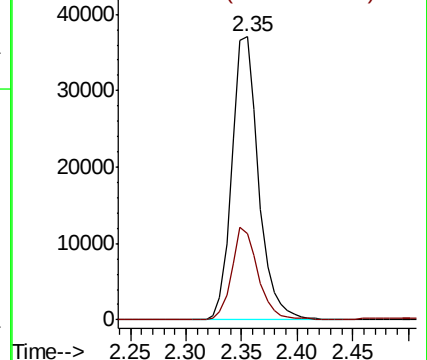
62 100

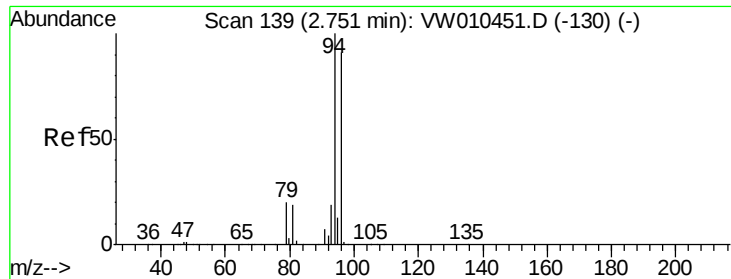
64 30.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 43.998 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

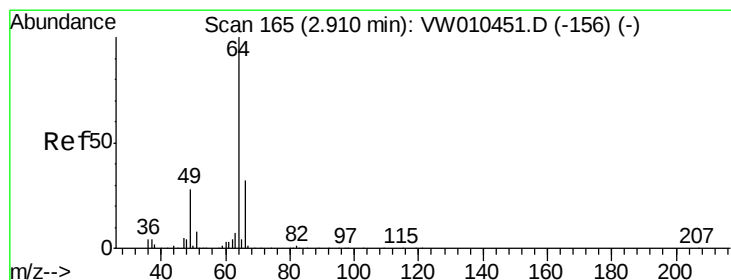
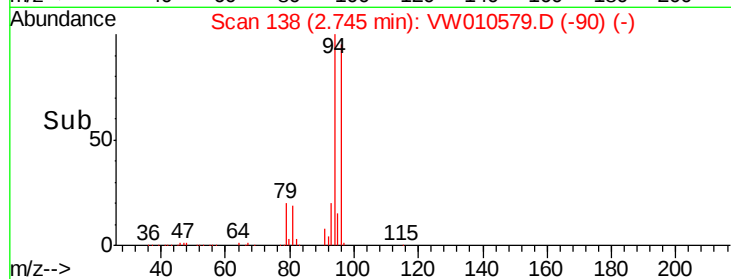
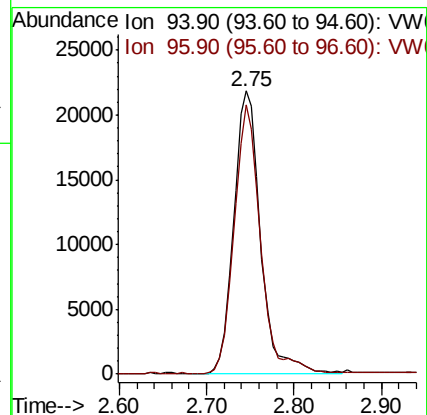
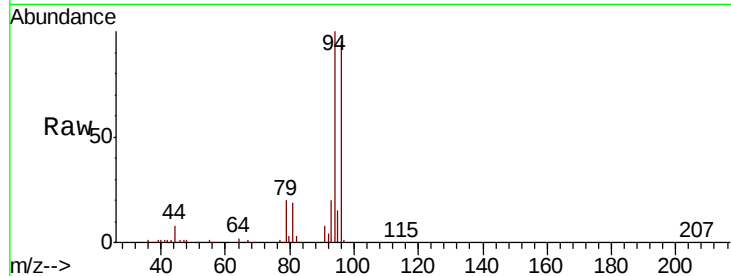
VSTDCCC050EC

Tot Ion: 94 Resp: 47030

Ion Ratio Lower Upper

94 100

96 94.9 72.9 109.3



#6

Chloroethane

Concen: 45.095 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010579.D

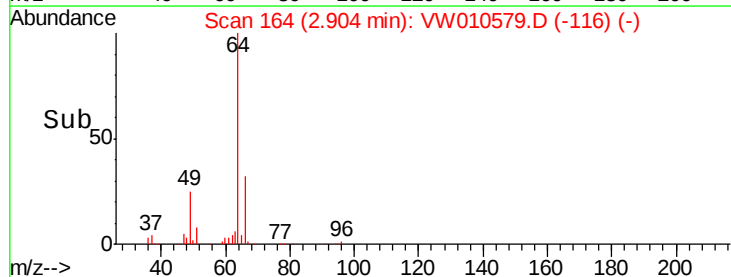
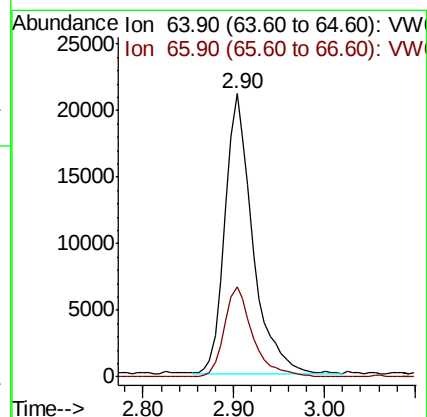
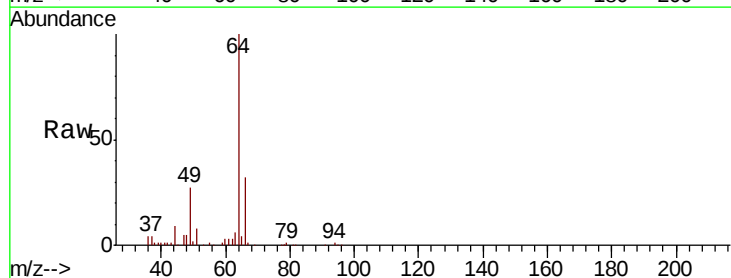
Acq: 28 May 2019 21:07

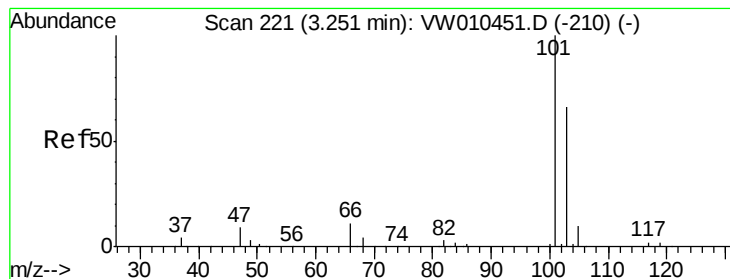
Tgt Ion: 64 Resp: 44979

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3



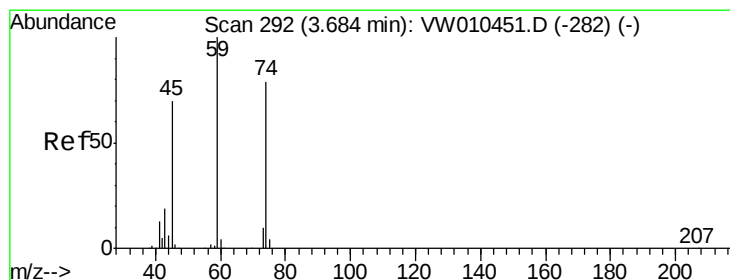
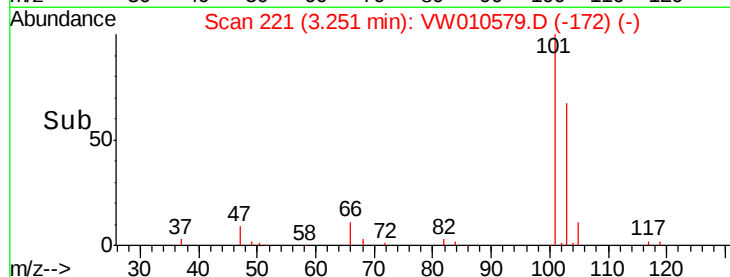
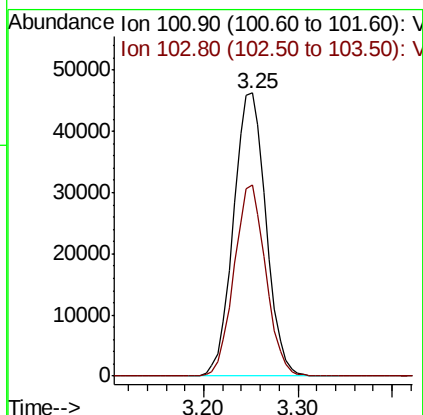
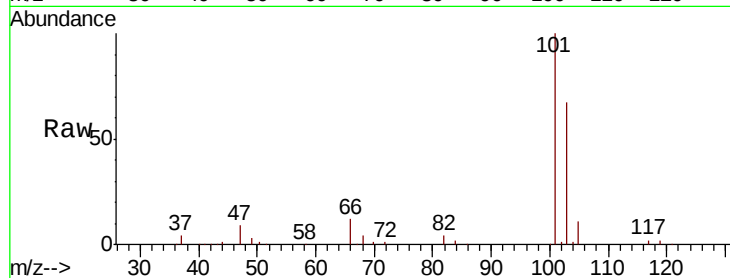


#7

Trichlorofluoromethane
 Concen: 48.493 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Instrument :
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 VSTDCCC050EC

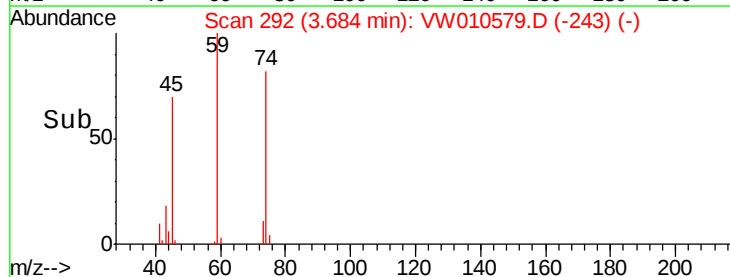
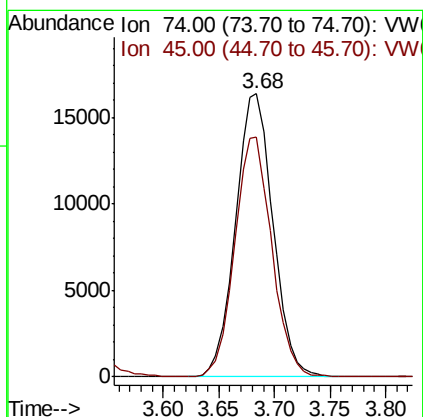
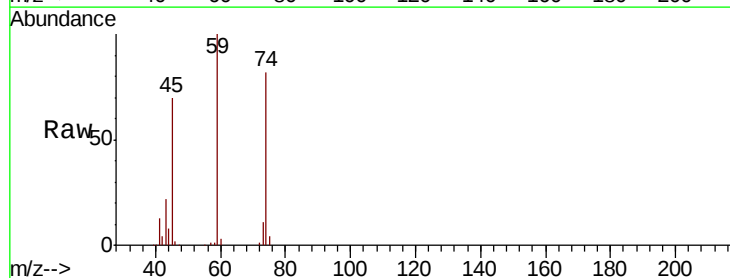
Tot Ion:101 Resp: 111239
 Ion Ratio Lower Upper
 101 100
 103 67.5 53.0 79.4

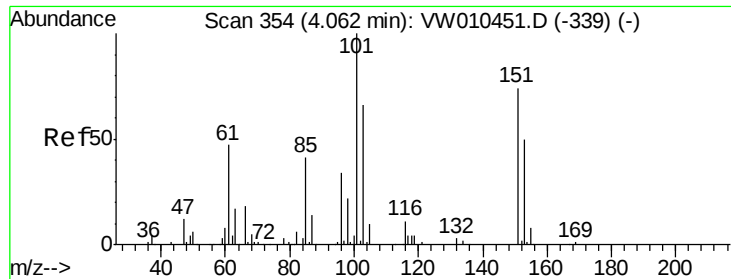


#8

Diethyl Ether
 Concen: 52.532 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion: 74 Resp: 38199
 Ion Ratio Lower Upper
 74 100
 45 84.0 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.565 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

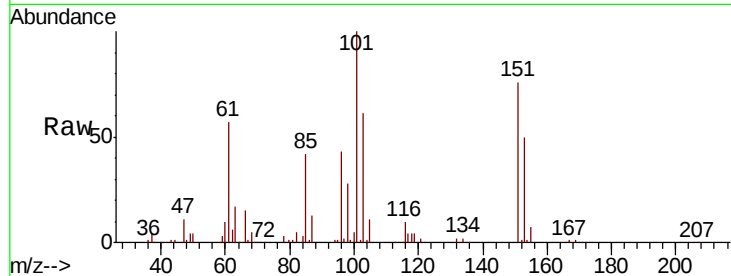
Tot Ion:101 Resp: 70020

Ion Ratio Lower Upper

101 100

85 42.5 34.3 51.5

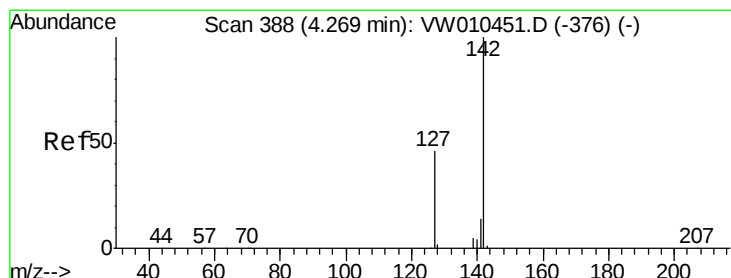
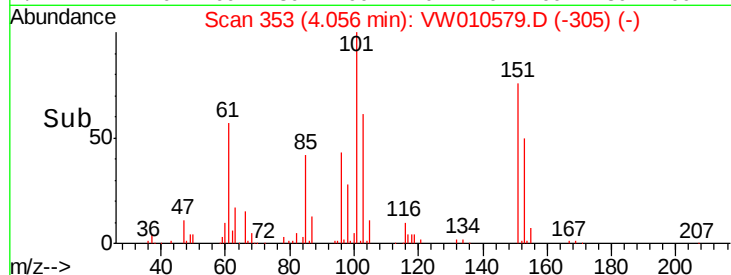
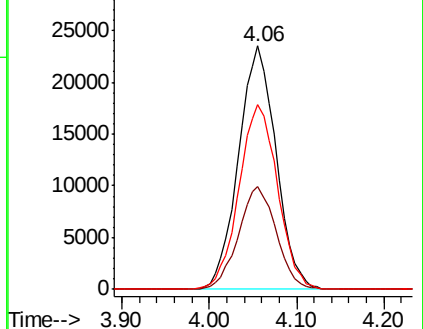
151 78.3 60.3 90.5



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: 46.731 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

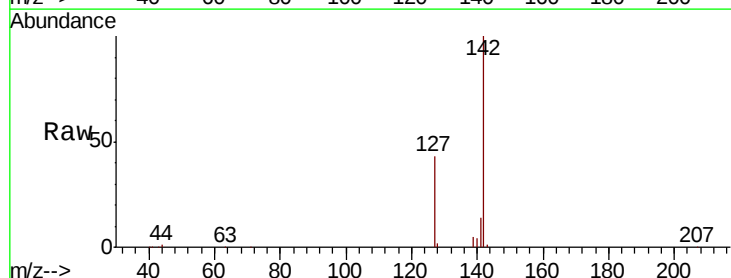
Tgt Ion:142 Resp: 75456

Ion Ratio Lower Upper

142 100

127 42.6 36.1 54.1

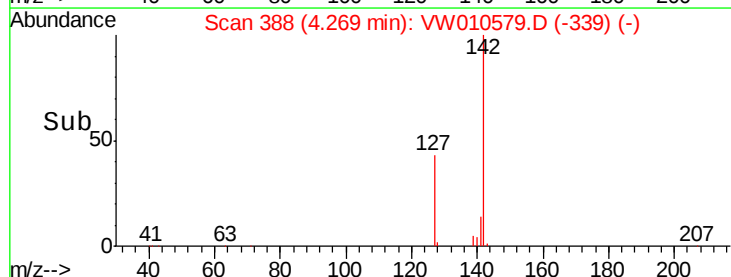
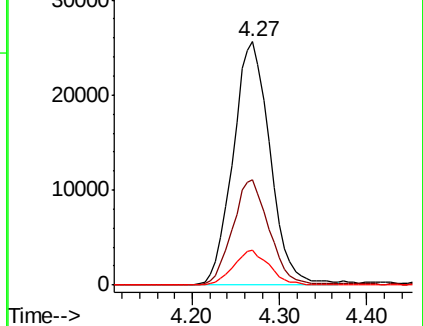
141 14.0 11.3 16.9

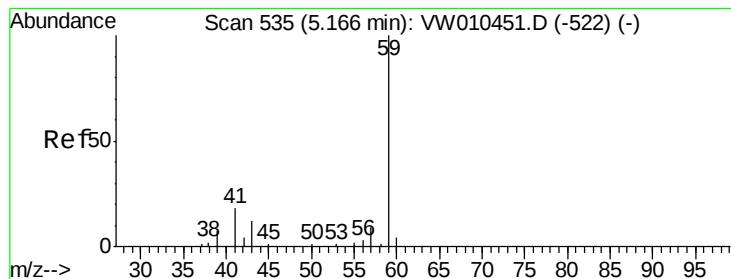


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



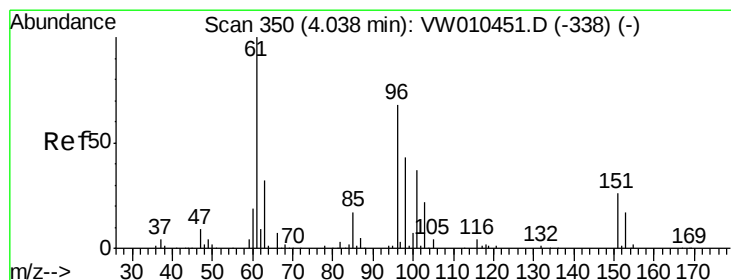
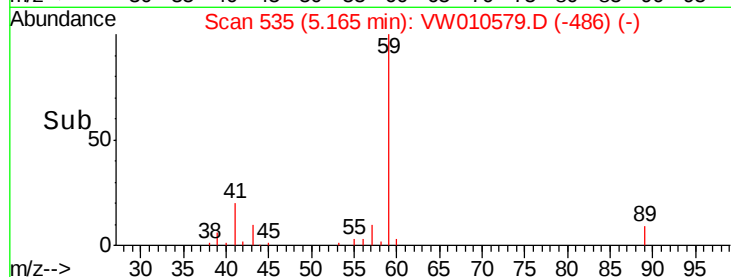
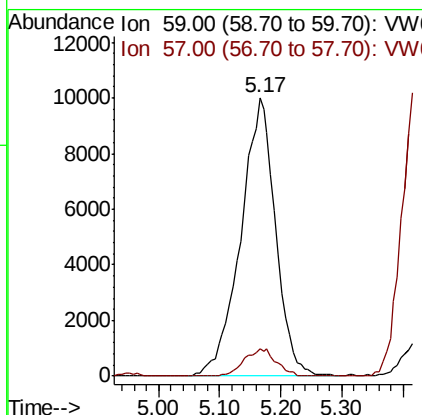
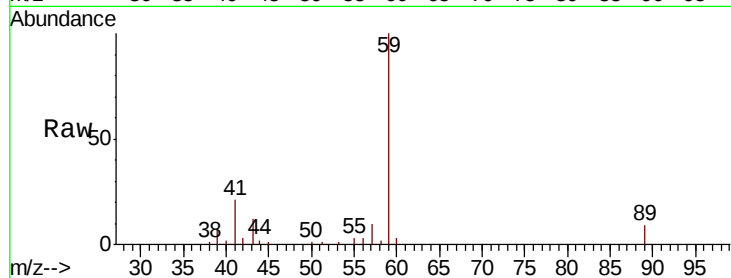


#11

Tert butyl alcohol
 Concen: 334.822 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

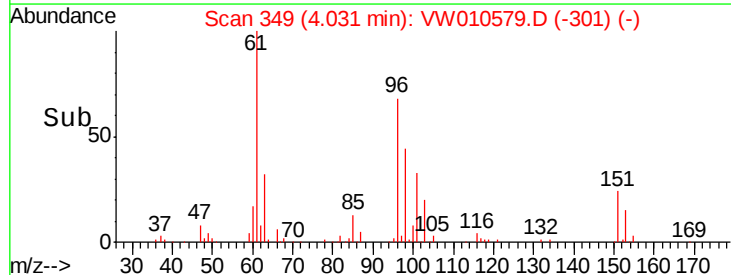
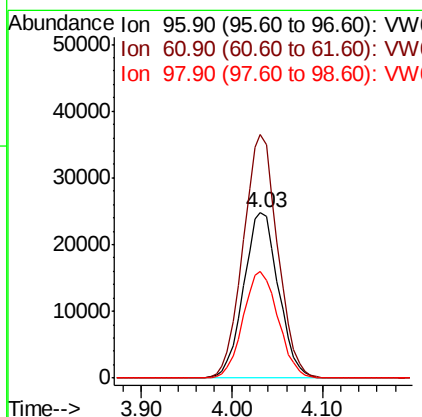
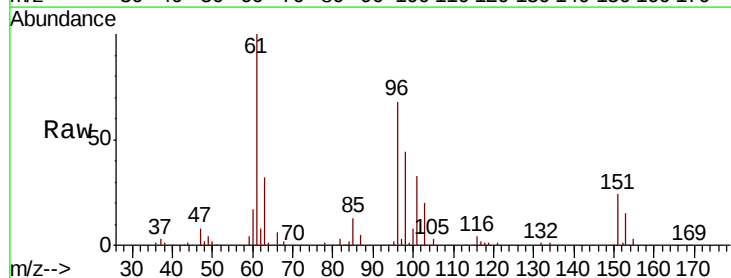
Tot Ion: 59 Resp: 39687
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.8 13.2

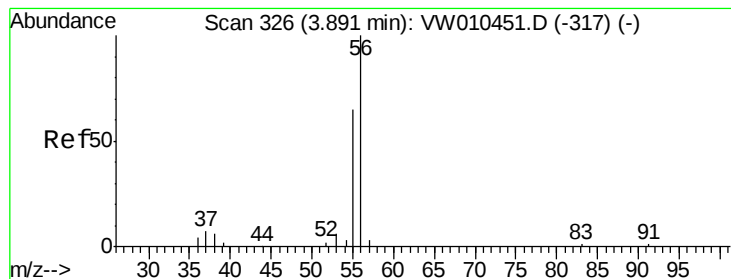


#12

1,1-Dichloroethene
 Concen: 48.899 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion: 96 Resp: 65941
 Ion Ratio Lower Upper
 96 100
 61 147.4 118.3 177.5
 98 64.8 51.0 76.6





#13

Acrolein

Concen: 284.373 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

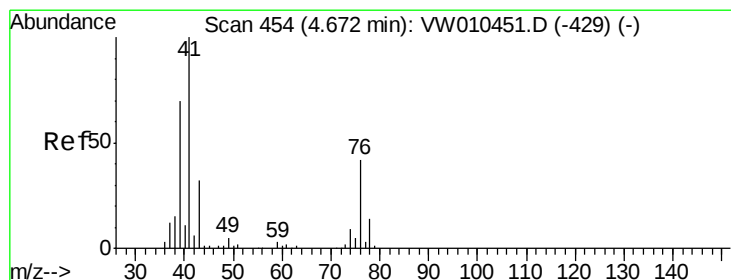
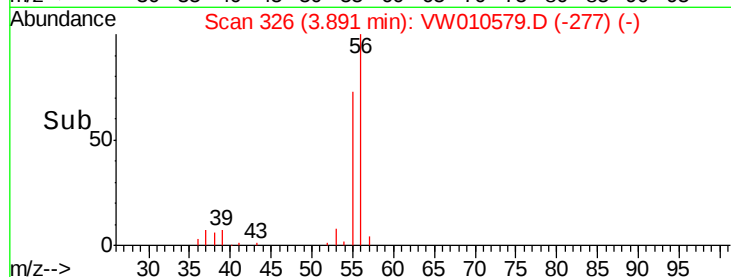
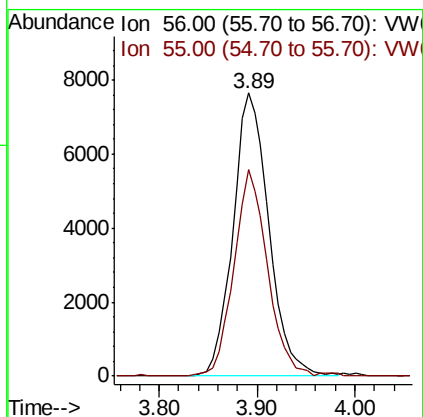
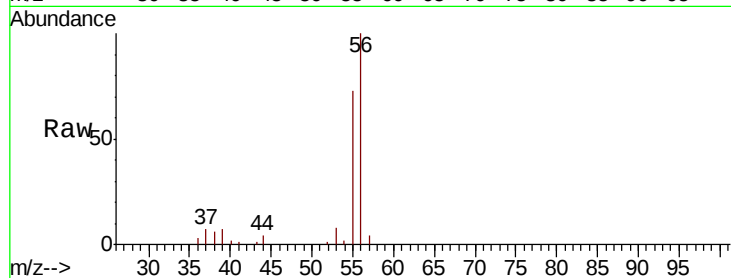
VSTDCCC050EC

Tot Ion: 56 Resp: 19429

Ion Ratio Lower Upper

56 100

55 68.1 57.9 86.9



#14

Allyl chloride

Concen: 48.786 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

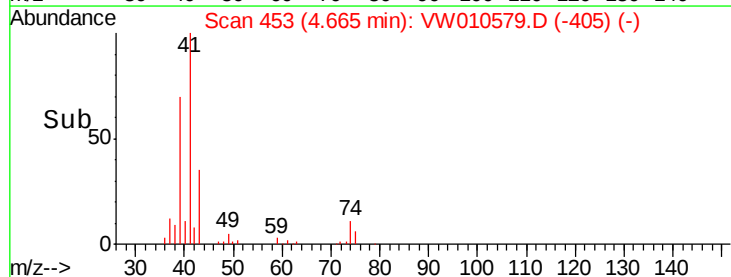
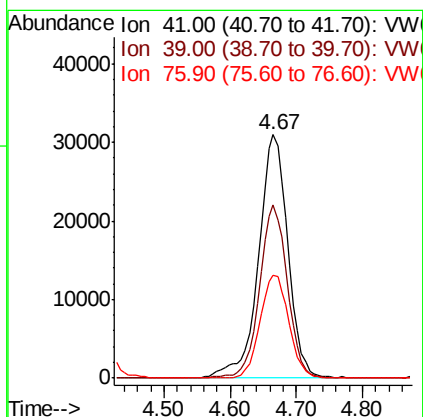
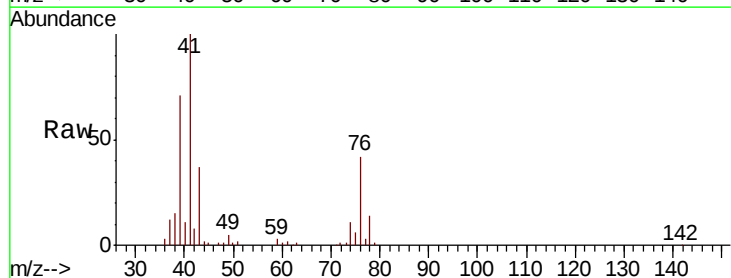
Tgt Ion: 41 Resp: 95229

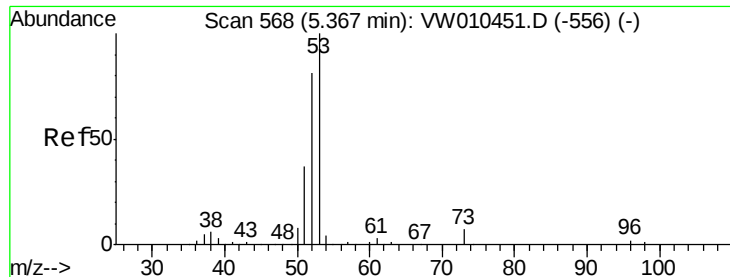
Ion Ratio Lower Upper

41 100

39 67.6 55.0 82.4

76 41.5 32.8 49.2





#15

Acrylonitrile

Concen: 263.496 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

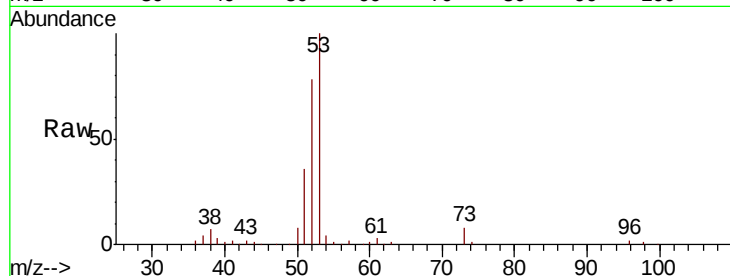
Tot Ion: 53 Resp: 80243

Ion Ratio Lower Upper

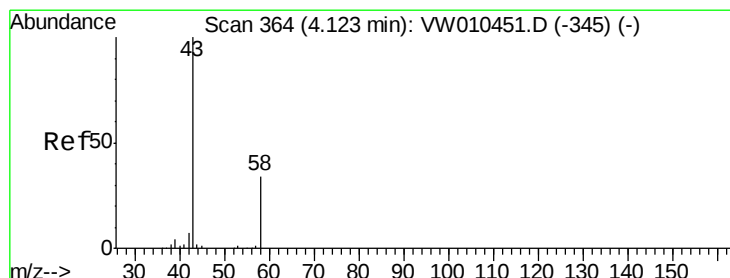
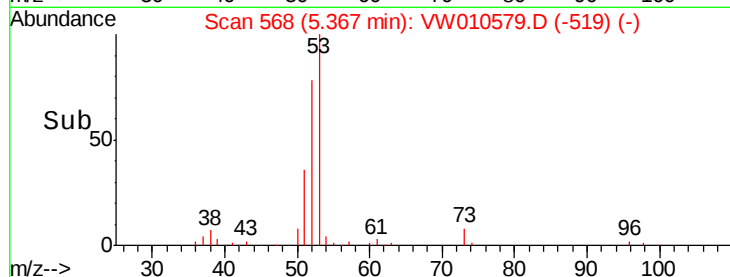
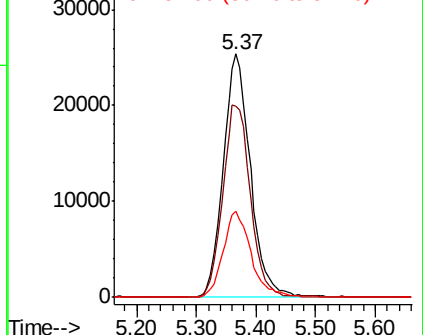
53 100

52 80.2 65.6 98.4

51 36.4 29.5 44.3



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: 259.484 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010579.D

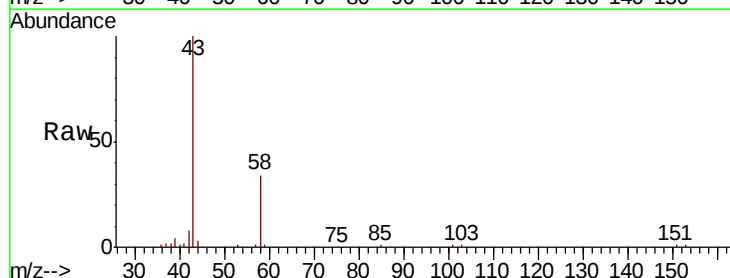
Acq: 28 May 2019 21:07

Tgt Ion: 43 Resp: 69797

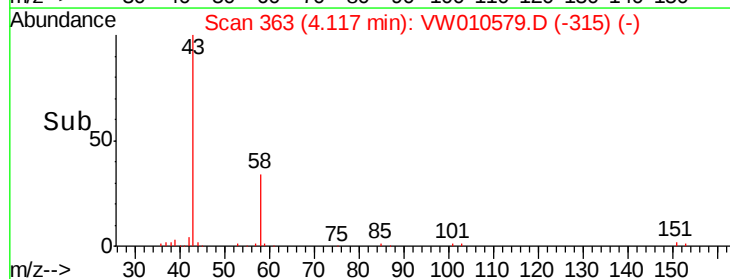
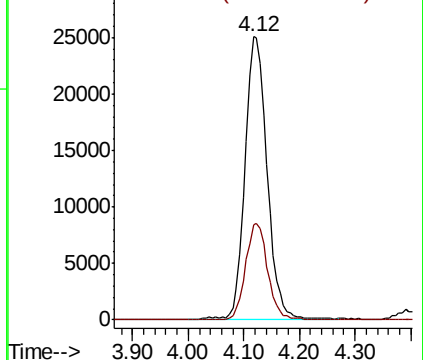
Ion Ratio Lower Upper

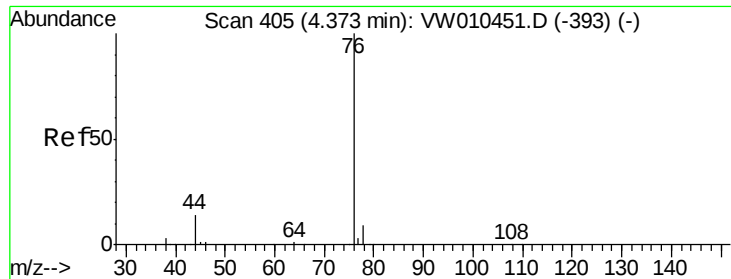
43 100

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

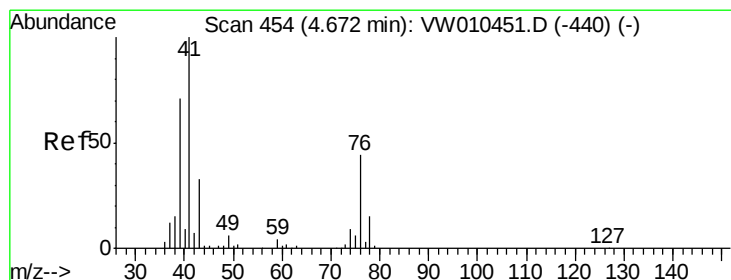
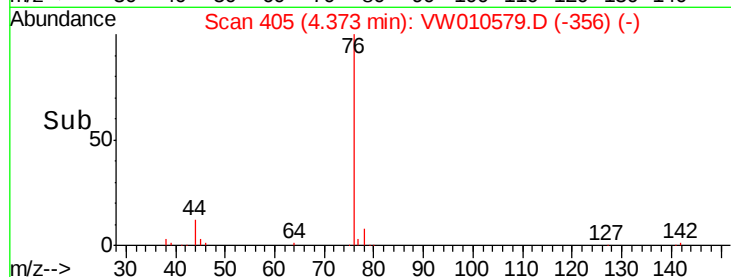
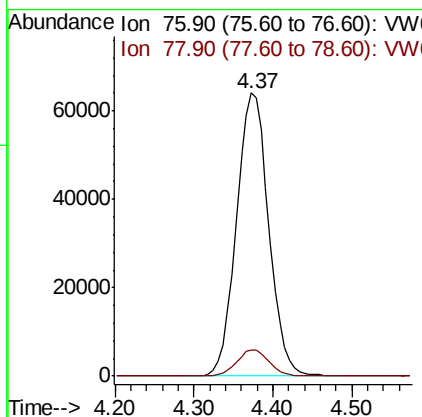
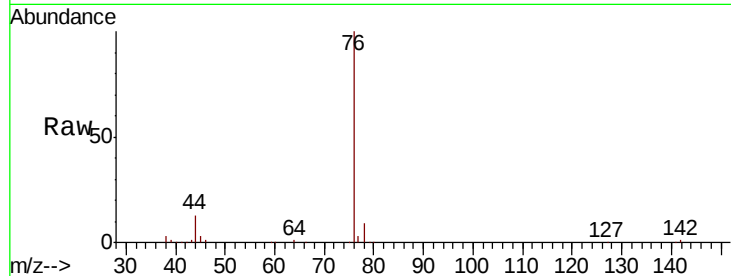




#17
Carbon Disulfide
Concen: 45.223 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

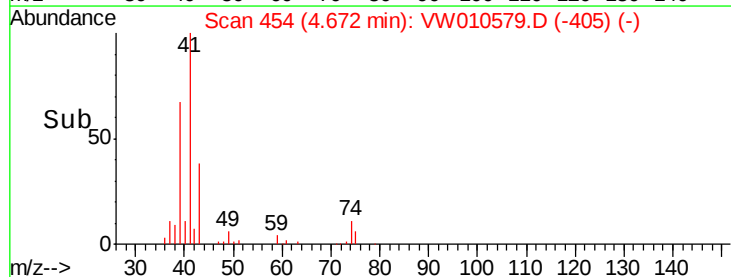
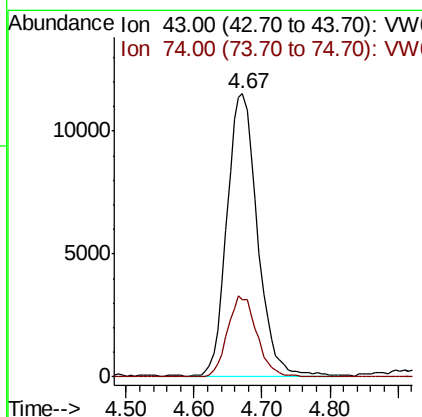
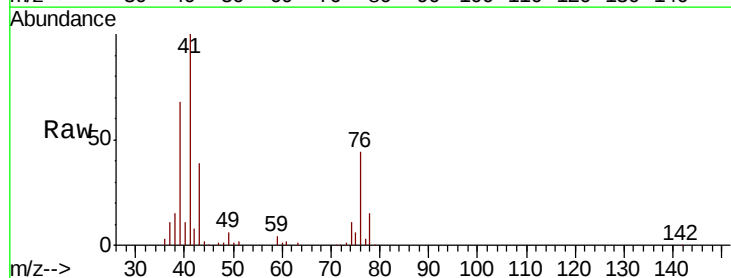
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

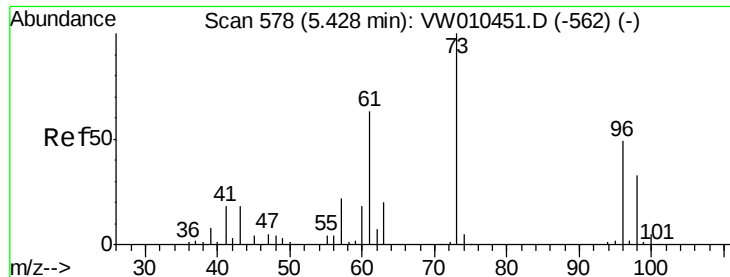
Tot Ion: 76 Resp: 181899
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 54.889 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 43 Resp: 36109
Ion Ratio Lower Upper
43 100
74 27.1 21.6 32.4

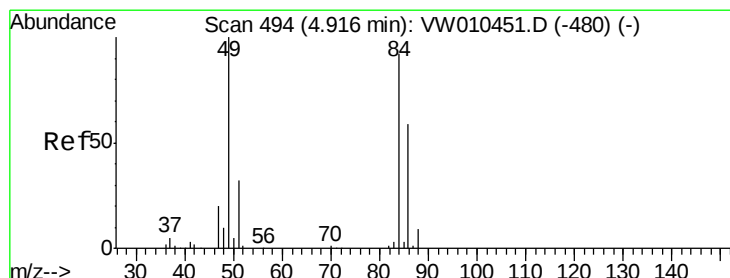
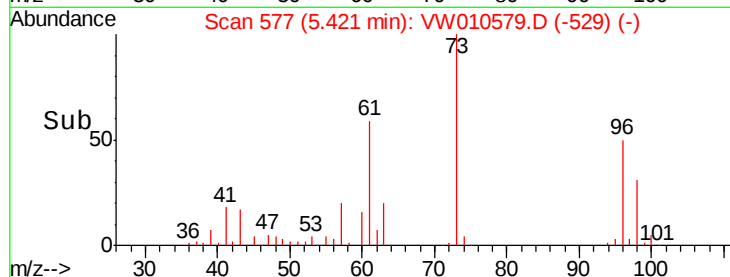
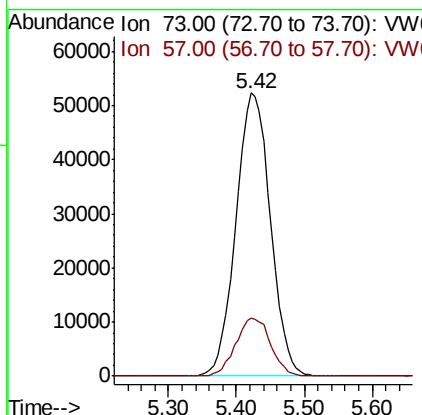
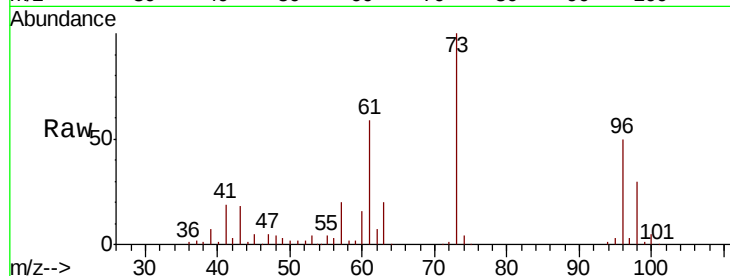




#19
Methvl tert-butvl Ether
Concen: 53.490 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

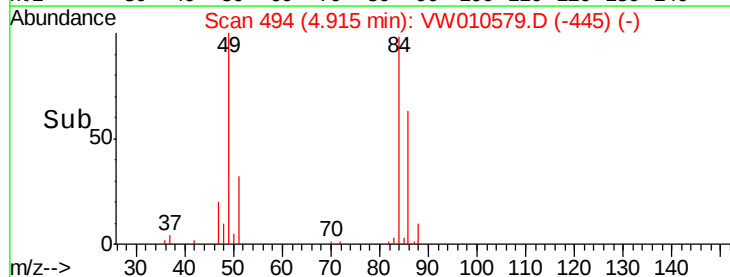
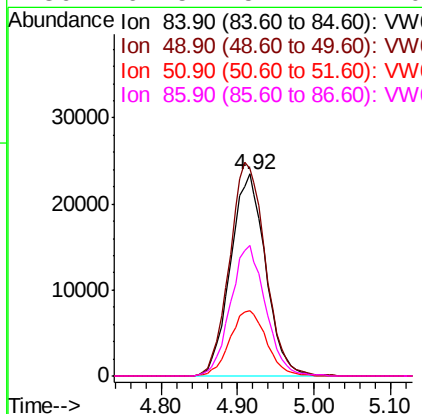
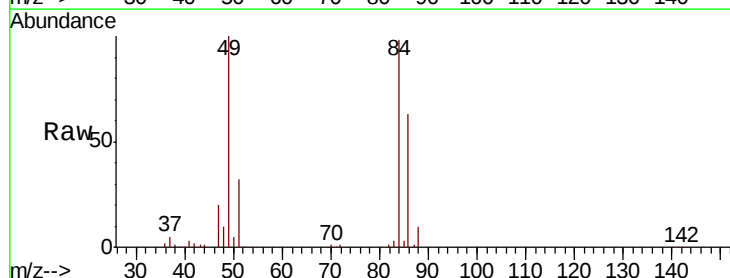
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

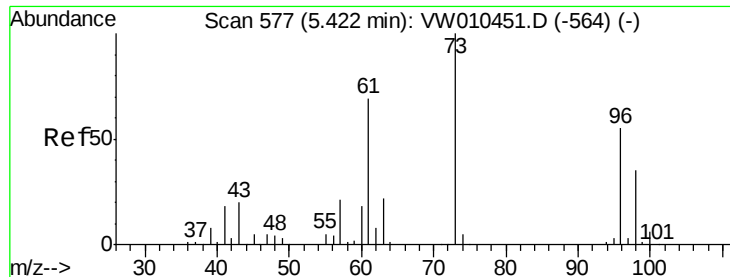
Tot Ion: 73 Resp: 183890
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0



#20
Methylene Chloride
Concen: 47.130 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 84 Resp: 74844
Ion Ratio Lower Upper
84 100
49 102.5 87.2 130.8
51 32.6 27.7 41.5
86 64.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.698 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

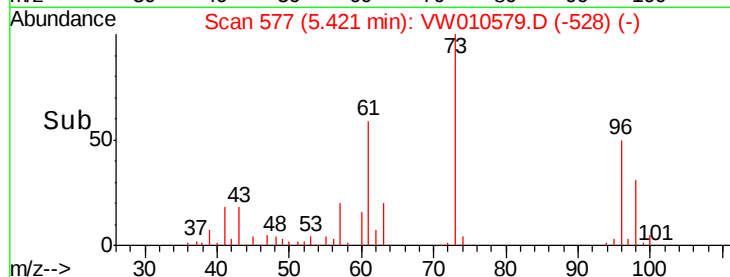
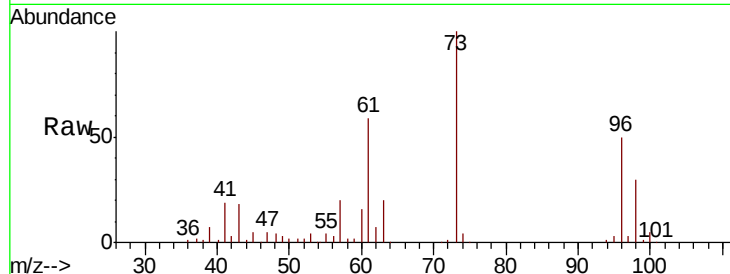
Tot Ion: 96 Resp: 78419

Ion Ratio Lower Upper

96 100

61 119.2 101.4 152.0

98 61.5 50.6 76.0

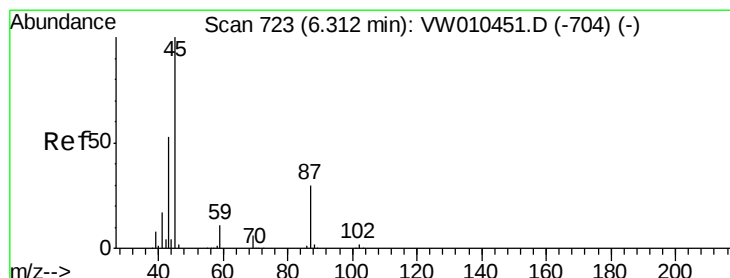
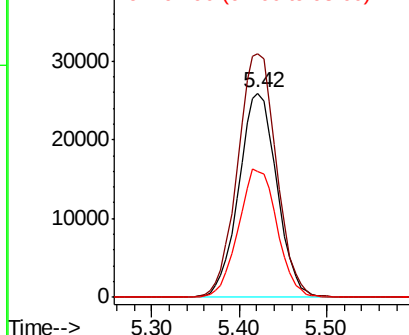


Abundance

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: 50.890 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion: 45 Resp: 203685

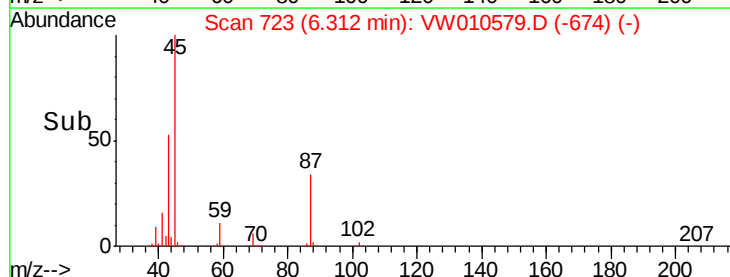
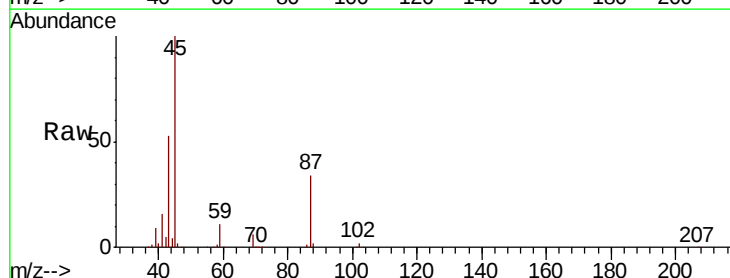
Ion Ratio Lower Upper

45 100

43 52.7 42.9 64.3

87 33.8 24.6 36.8

59 11.4 9.4 14.0



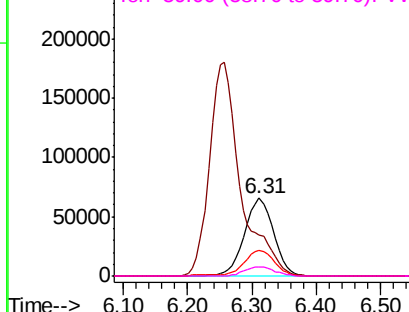
Abundance

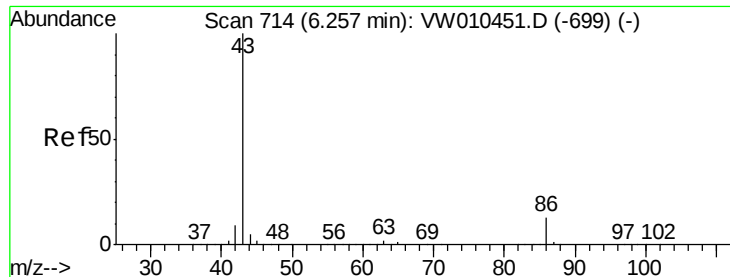
Ion 45.00 (44.70 to 45.70): VW

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: 254.588 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

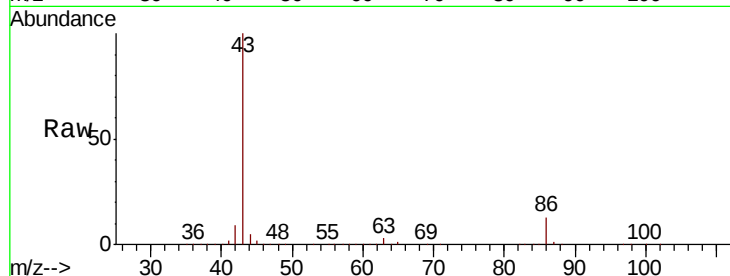
VSTDCCC050EC

Tot Ion: 43 Resp: 608680

Ion Ratio Lower Upper

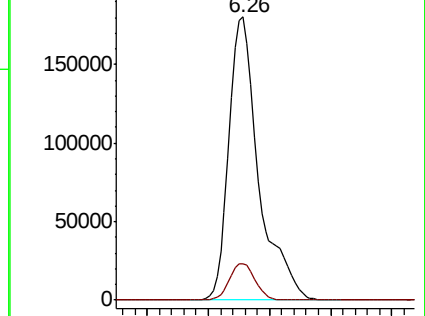
43 100

86 12.9 10.3 15.5

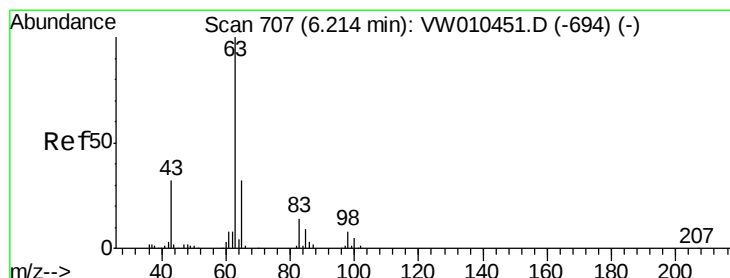
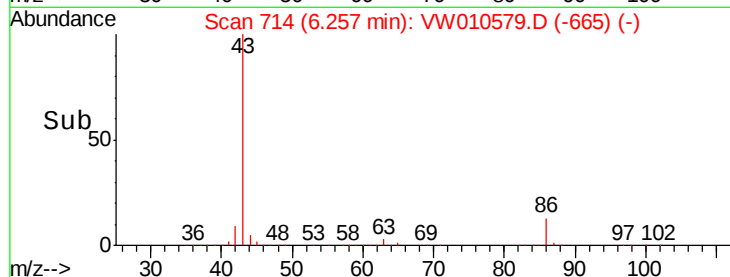


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 51.451 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

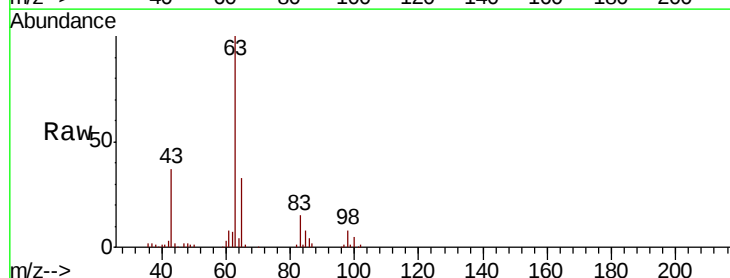
Tgt Ion: 63 Resp: 122890

Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.2

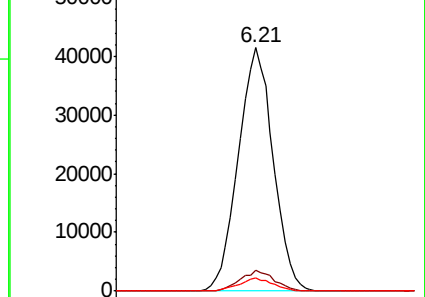
100 5.4 2.5 7.4



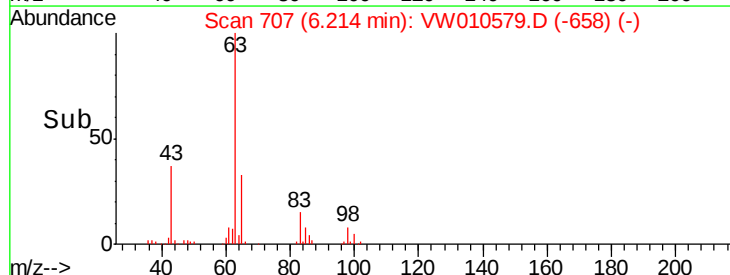
Abundance Ion 62.90 (62.60 to 63.60): VW

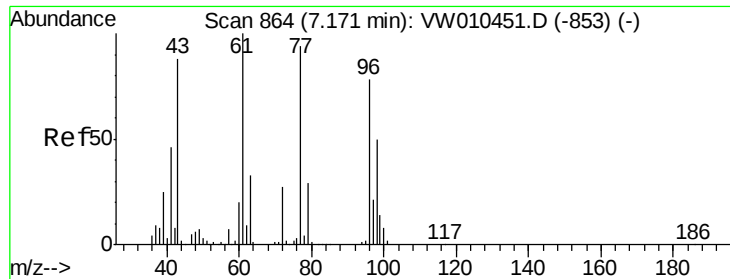
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 267.843 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

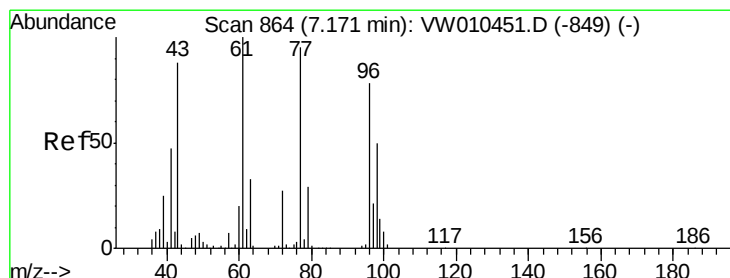
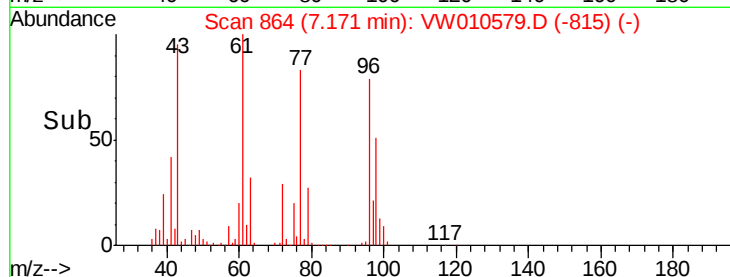
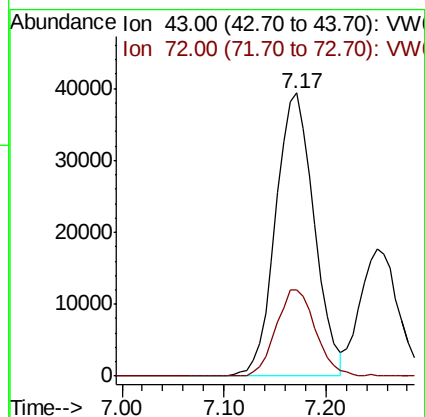
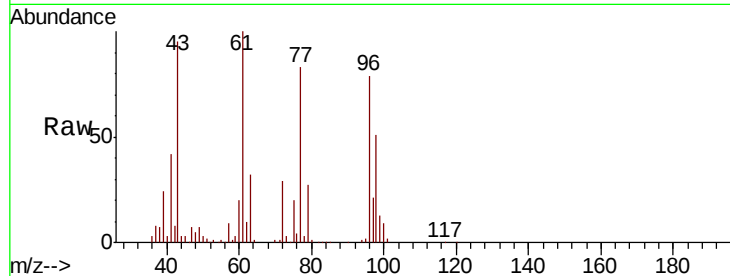
VSTDCCC050EC

Tot Ion: 43 Resp: 103104

Ion Ratio Lower Upper

43 100

72 30.4 24.1 36.1



#26

2,2-Dichloropropane

Concen: 47.560 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010579.D

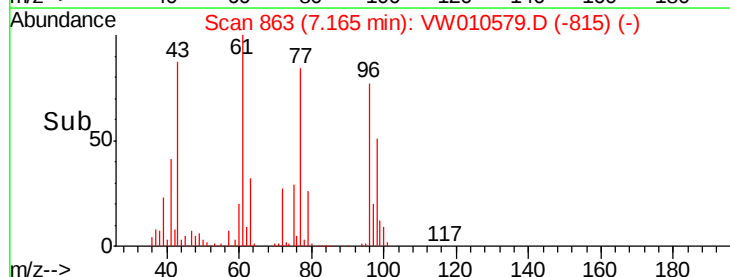
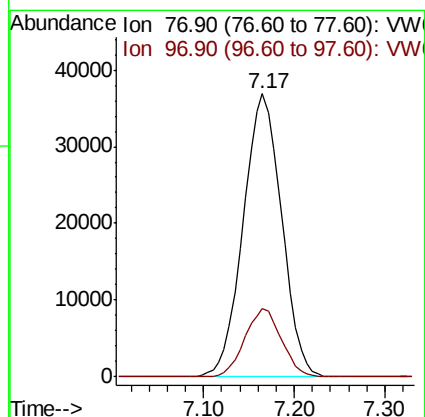
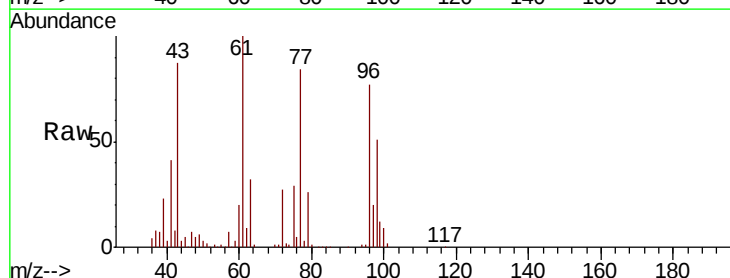
Acq: 28 May 2019 21:07

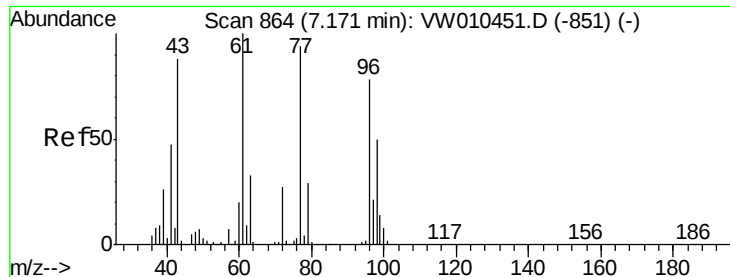
Tgt Ion: 77 Resp: 108207

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



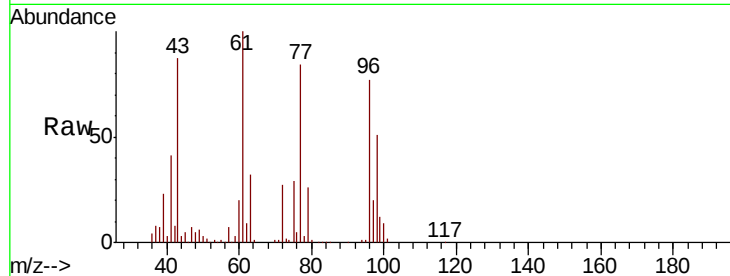


#27

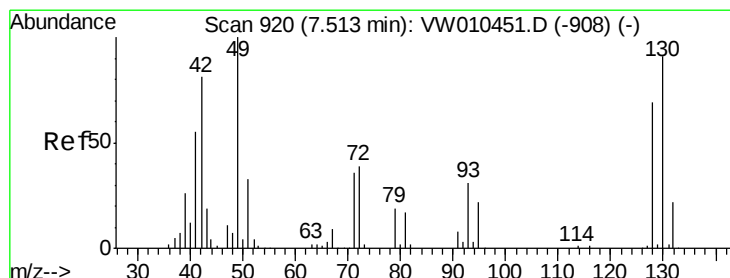
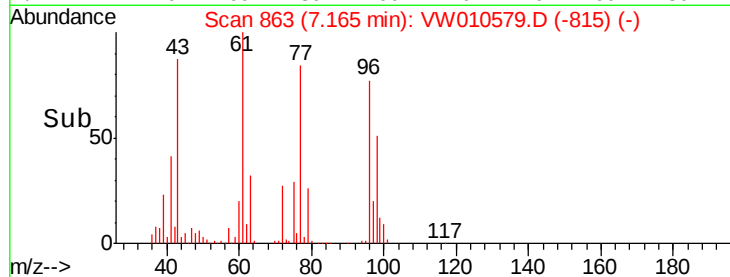
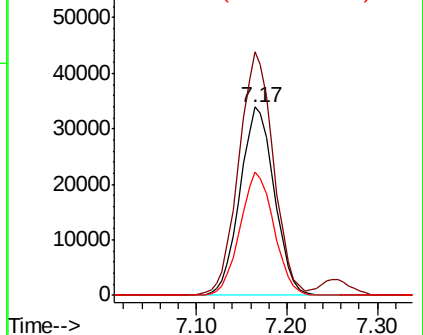
cis-1,2-Dichloroethene
Concen: 52.933 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 89014
Ion Ratio Lower Upper
96 100
61 130.4 0.0 265.4
98 64.7 0.0 129.4



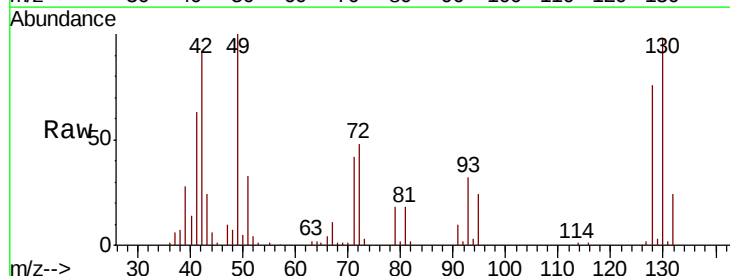
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



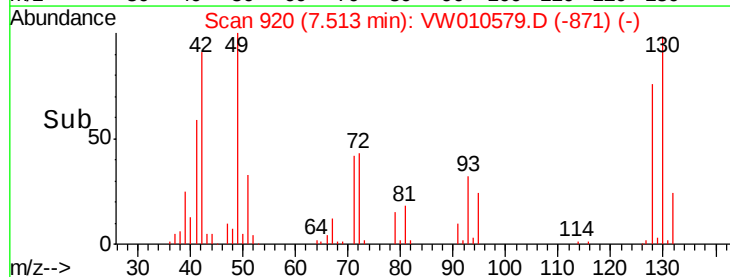
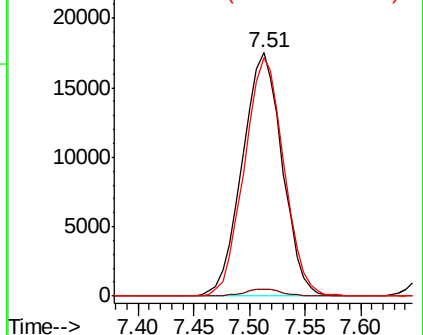
#28

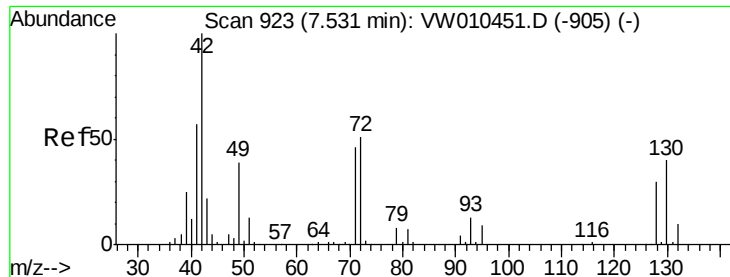
Bromochloromethane
Concen: 51.050 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 49 Resp: 43656
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.8
130 97.1 71.2 106.8



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

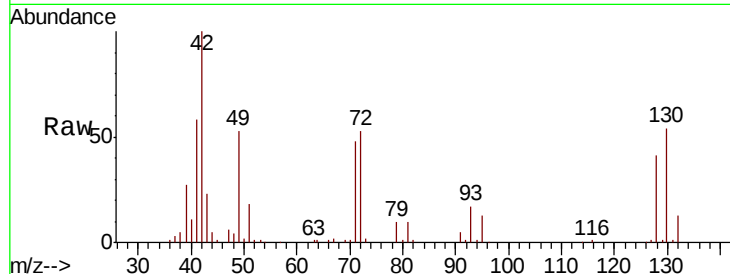




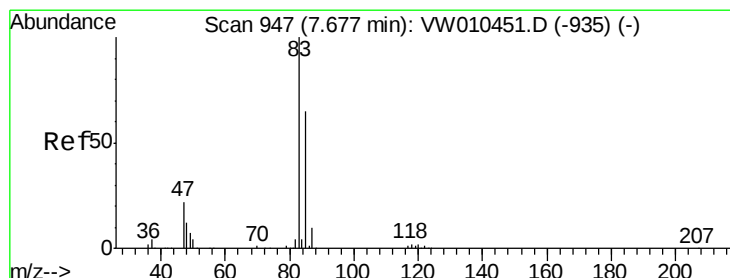
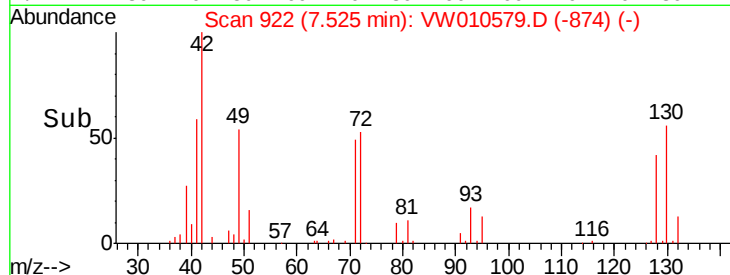
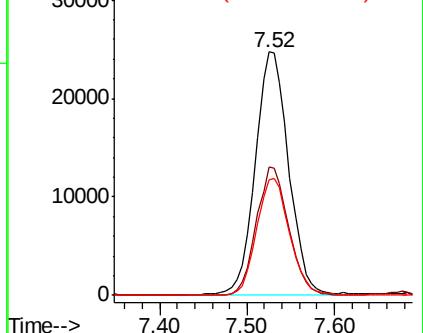
#29
Tetrahydrofuran
Concen: 252.241 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 65704
Ion Ratio Lower Upper
42 100
72 50.8 38.5 57.7
71 47.3 36.5 54.7

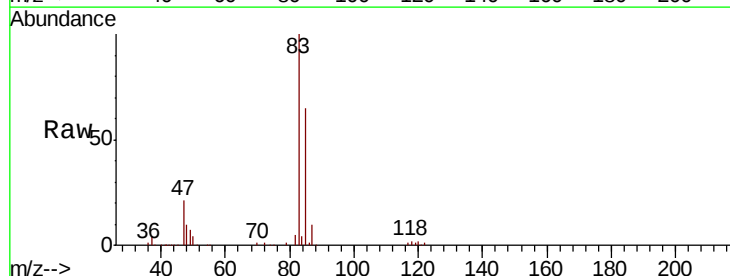


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

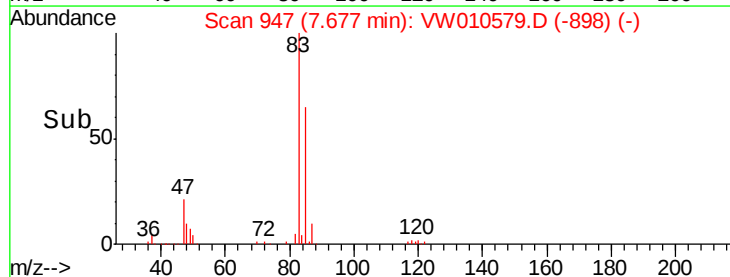
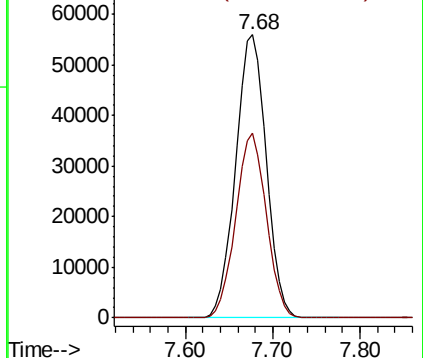


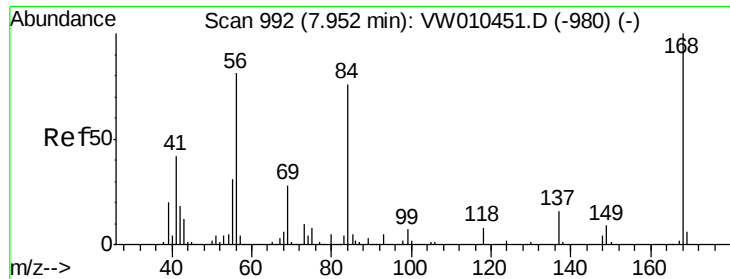
#30
Chloroform
Concen: 52.947 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 83 Resp: 136409
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4



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

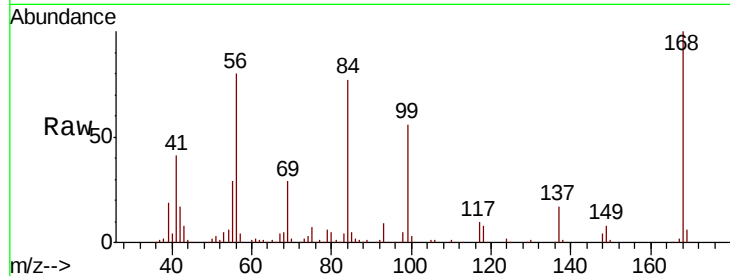




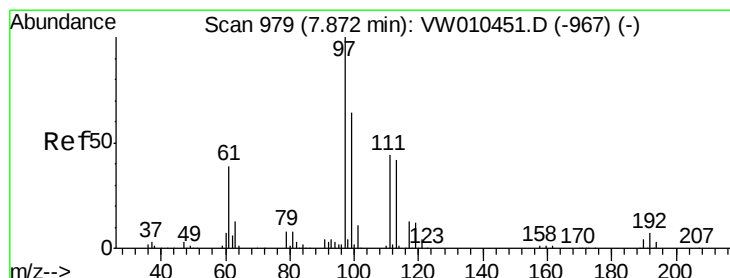
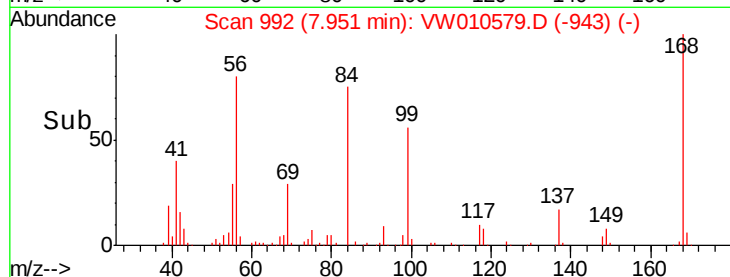
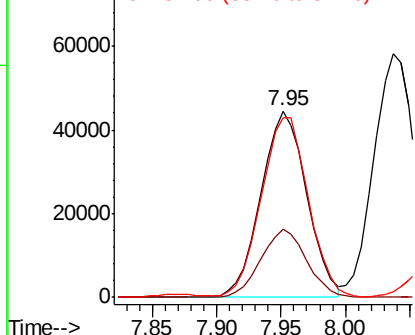
#31
Cyclohexane
Concen: 43.923 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 109892
Ion Ratio Lower Upper
56 100
69 36.5 28.2 42.2
84 95.0 75.8 113.8

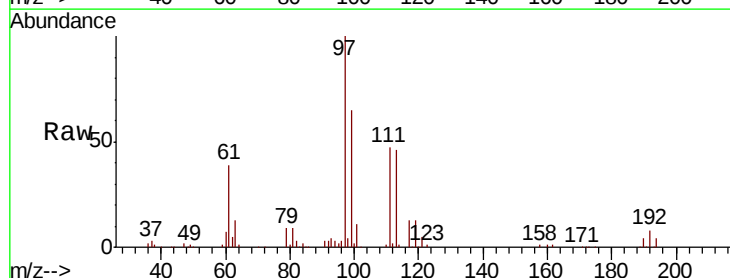


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

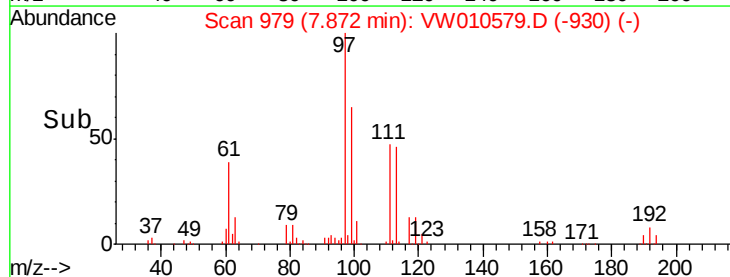
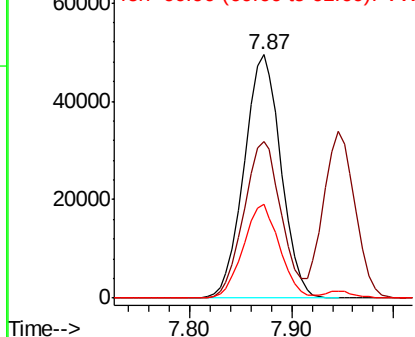


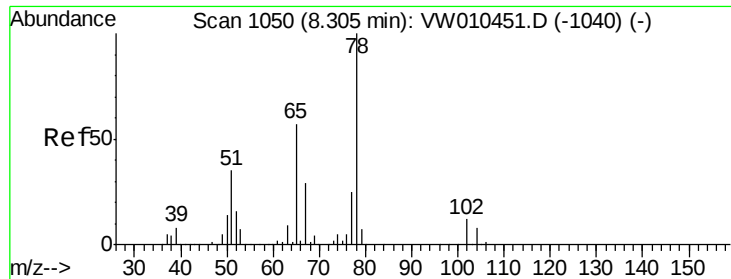
#32
1,1,1-Trichloroethane
Concen: 50.423 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 97 Resp: 124162
Ion Ratio Lower Upper
97 100
99 65.0 50.8 76.2
61 38.1 32.1 48.1



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

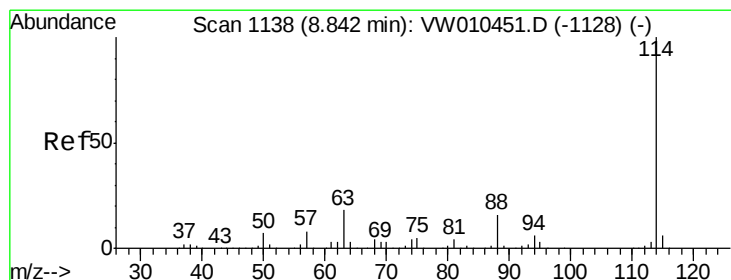
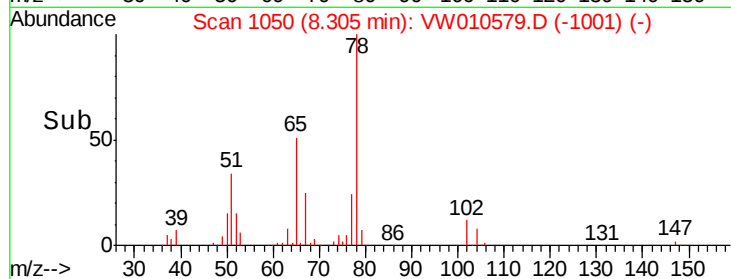
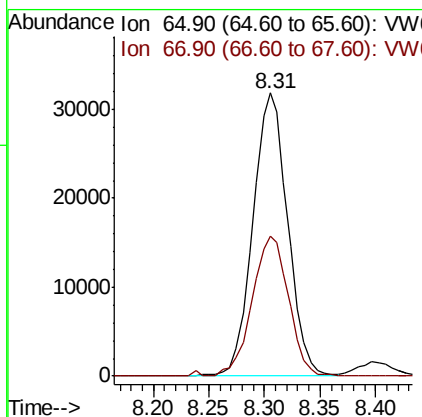
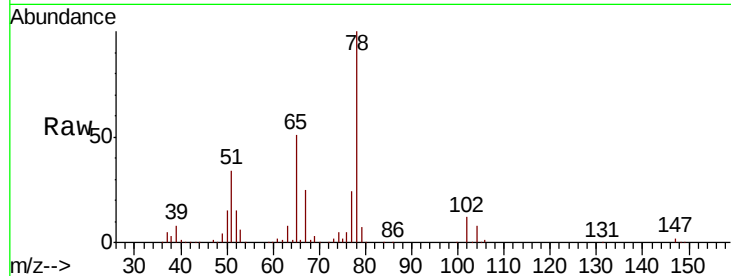




#33
 1,2-Dichloroethane-d4
 Concen: 52.475 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

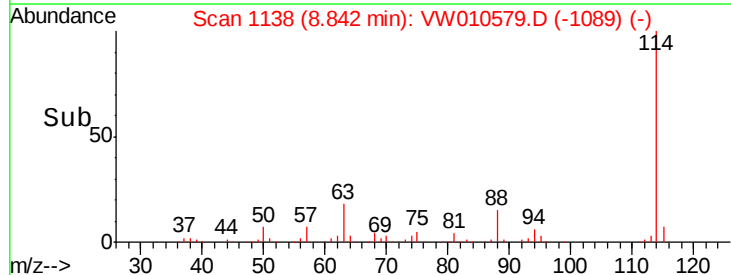
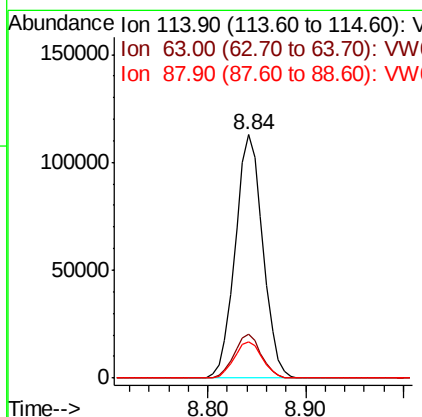
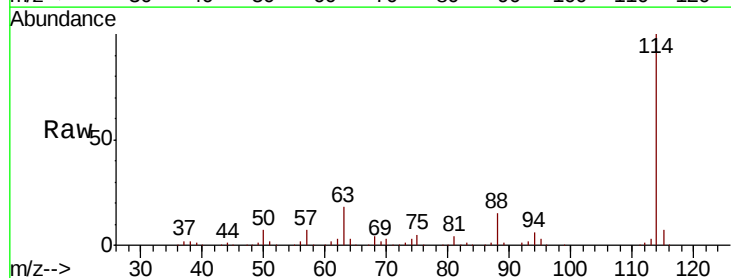
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

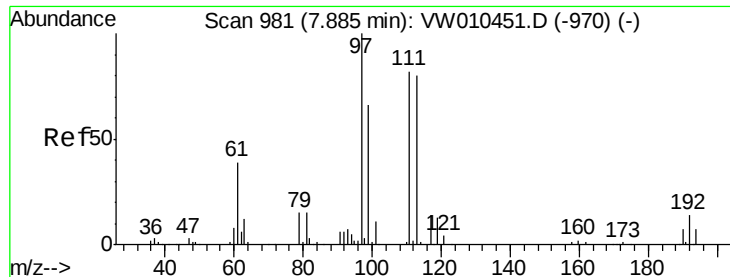
Tot Ion: 65 Resp: 69149
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion: 114 Resp: 220242
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.0
 88 14.9 0.0 32.0

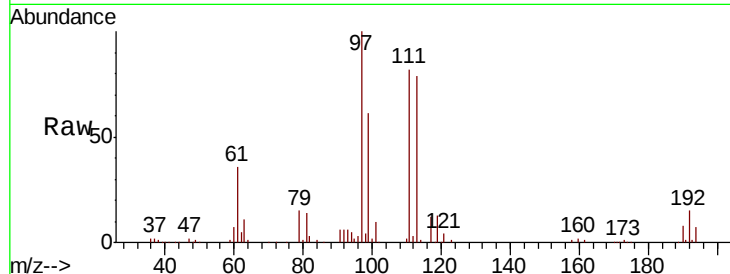




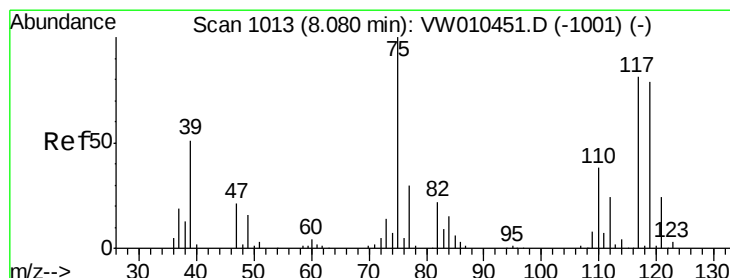
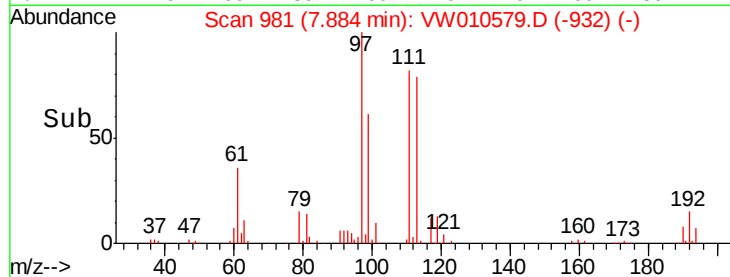
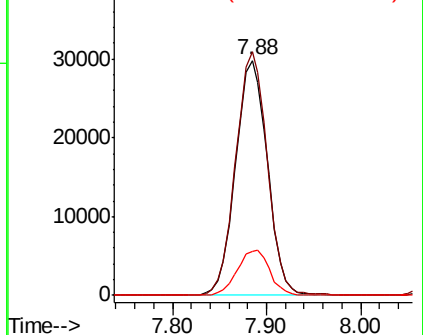
#35
 Dibromofluoromethane
 Concen: 52.664 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 70380
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.4
 192 19.6 14.3 21.5

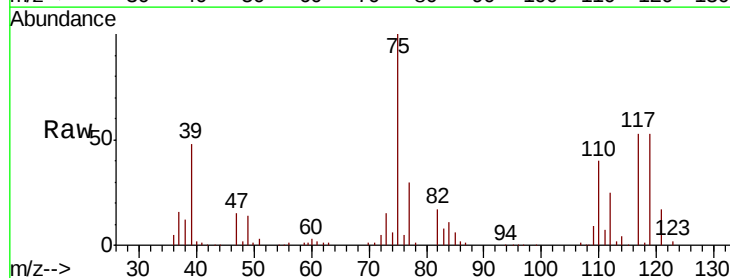


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

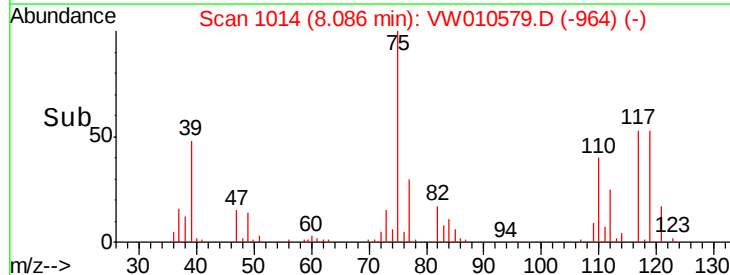
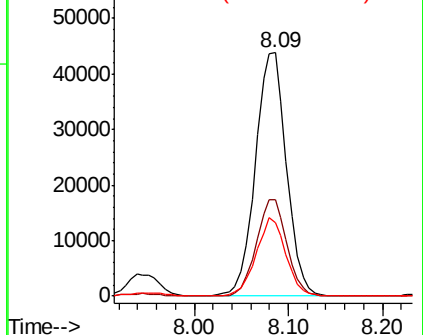


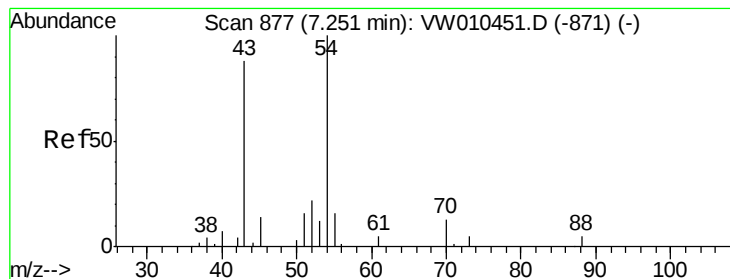
#36
 1,1-Dichloropropene
 Concen: 49.388 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion: 75 Resp: 101328
 Ion Ratio Lower Upper
 75 100
 110 38.8 19.2 57.6
 77 30.9 25.2 37.8



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: 54.057 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

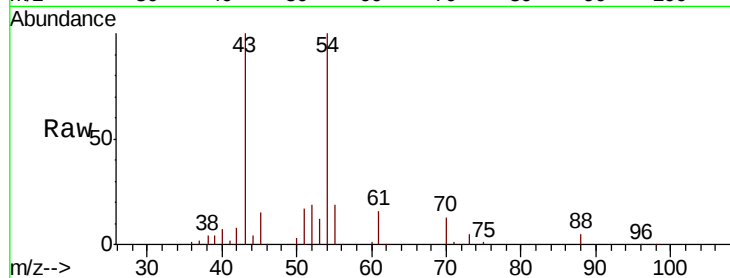
Tot Ion: 43 Resp: 47163

Ion Ratio Lower Upper

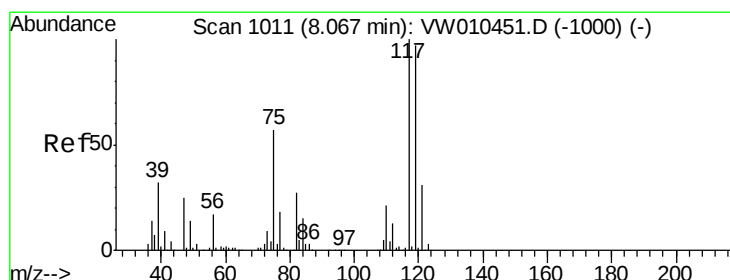
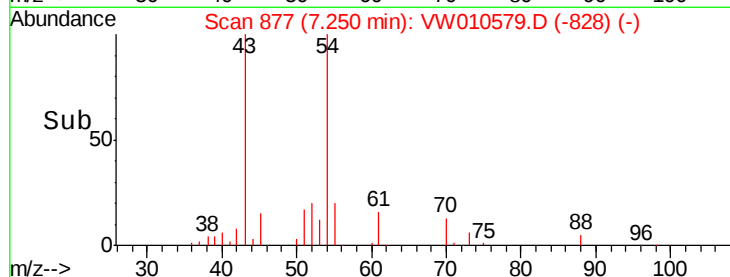
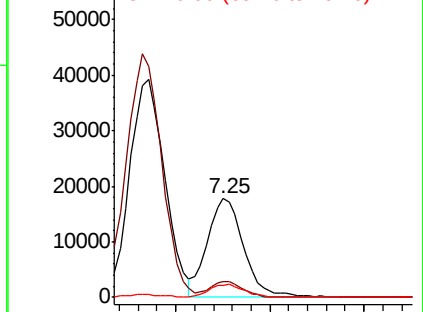
43 100

61 14.1 11.2 16.8

70 12.8 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 49.771 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

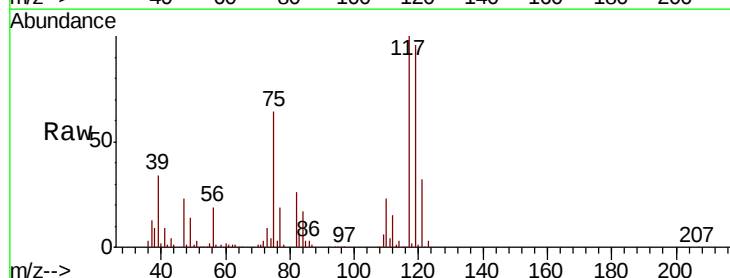
Tgt Ion: 117 Resp: 110155

Ion Ratio Lower Upper

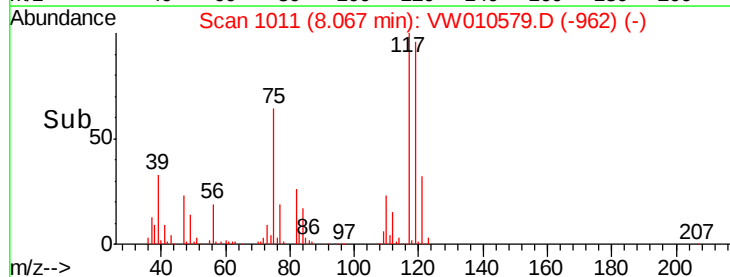
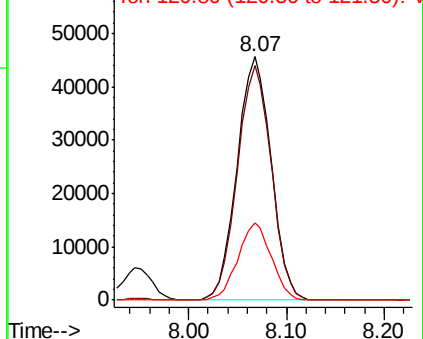
117 100

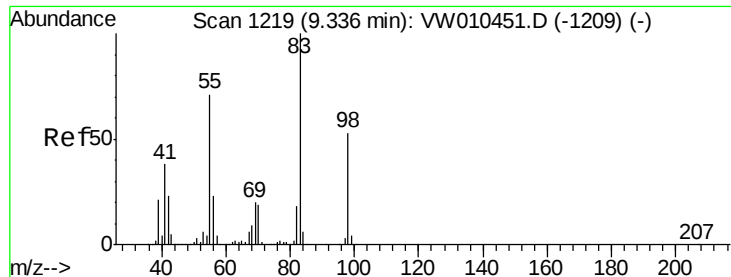
119 96.2 77.4 116.0

121 31.6 25.0 37.6



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

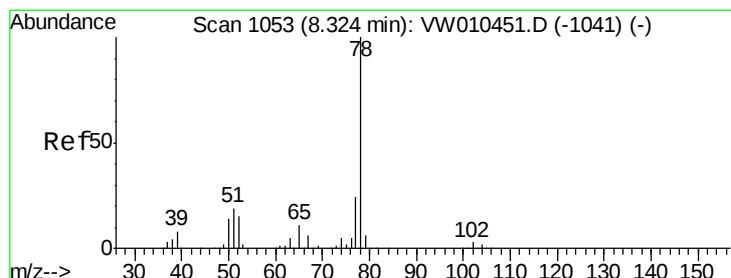
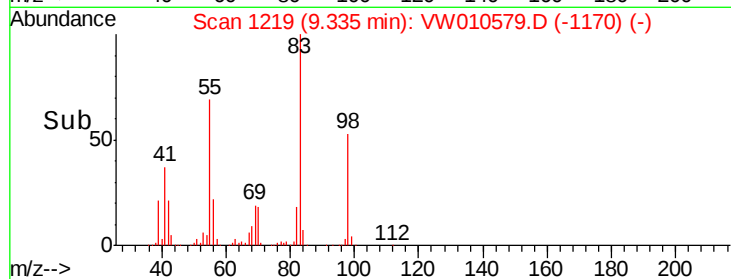
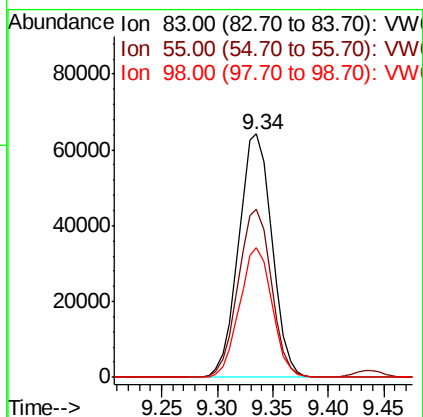
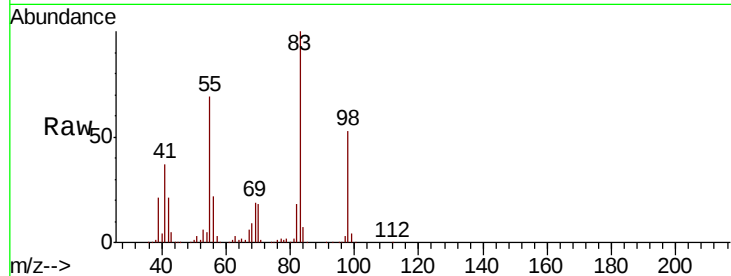




#39
Methvlcvclohexane
Concen: 48.550 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

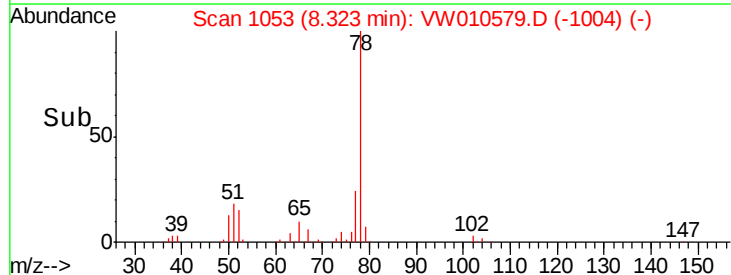
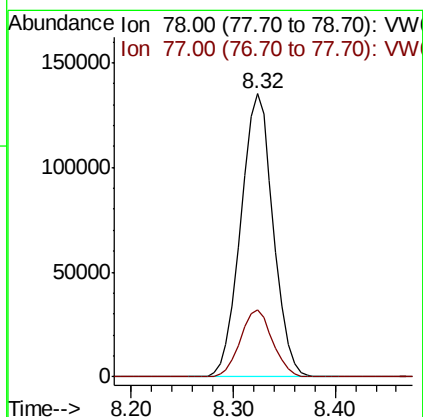
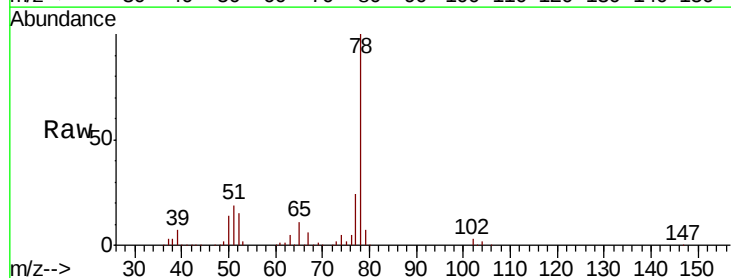
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

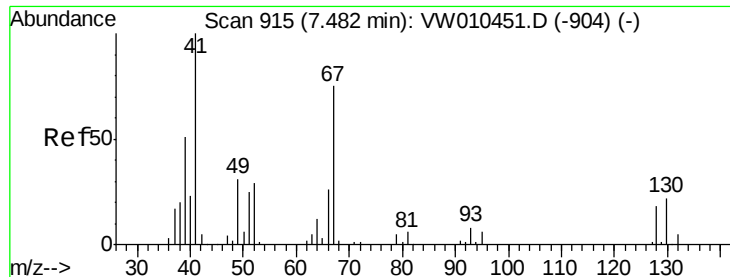
Tot Ion: 83 Resp: 133451
Ion Ratio Lower Upper
83 100
55 69.2 57.0 85.6
98 53.4 42.0 63.0



#40
Benzene
Concen: 52.281 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 78 Resp: 298133
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3





#41

Methacrylonitrile

Concen: 50.052 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 25947

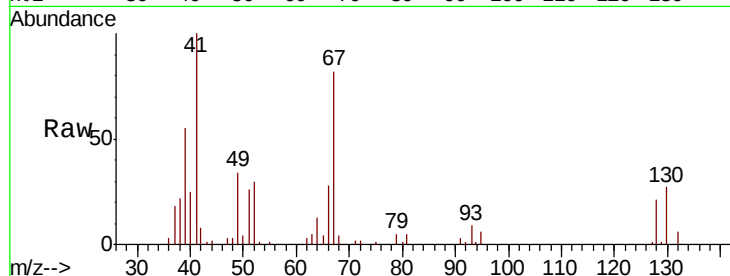
Ion Ratio Lower Upper

41 100

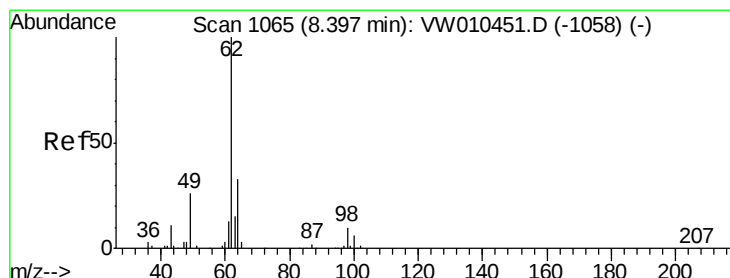
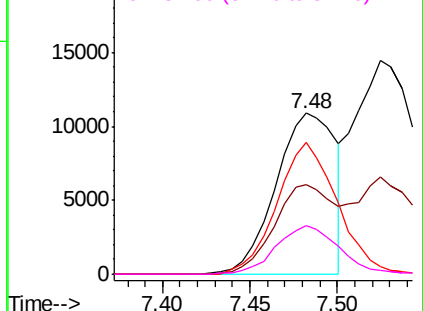
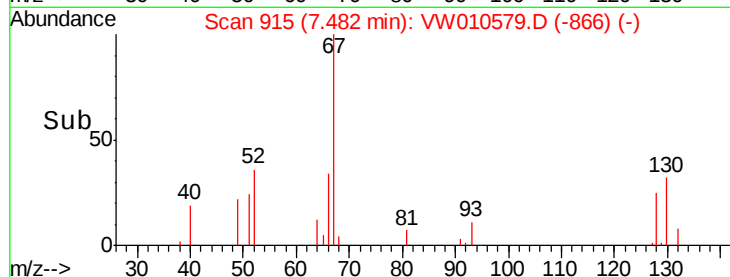
39 55.4 47.4 71.2

67 82.7 65.5 98.3

52 31.9 25.0 37.4



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



#42

1,2-Dichloroethane

Concen: 52.880 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW010579.D

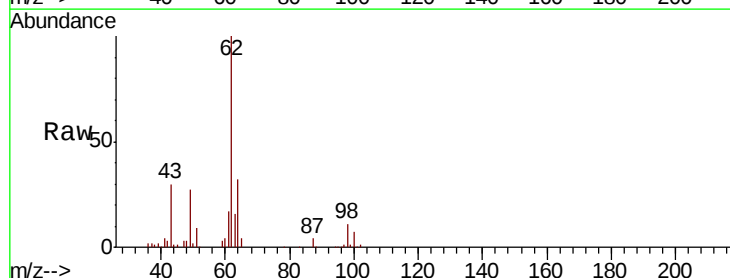
Acq: 28 May 2019 21:07

Tgt Ion: 62 Resp: 86185

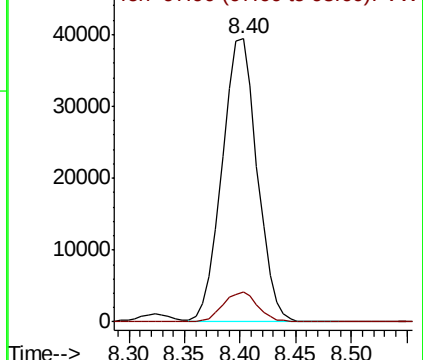
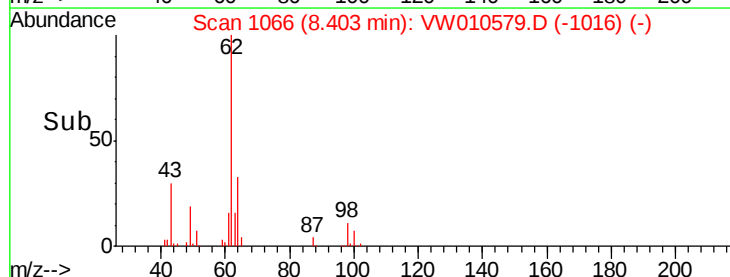
Ion Ratio Lower Upper

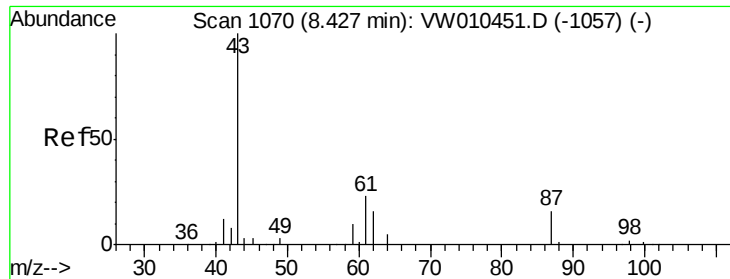
62 100

98 10.5 0.0 21.0



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





#43

Isopropyl Acetate

Concen: 51.801 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

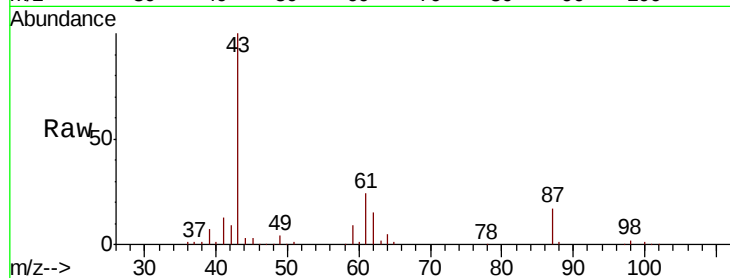
Tot Ion: 43 Resp: 90288

Ion Ratio Lower Upper

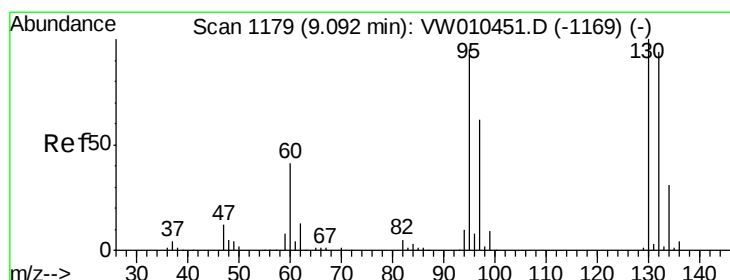
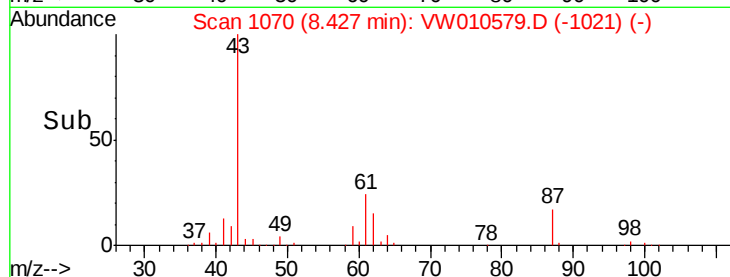
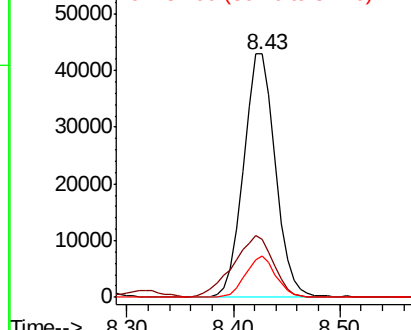
43 100

61 32.0 25.4 38.2

87 16.2 12.7 19.1



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: 53.547 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010579.D

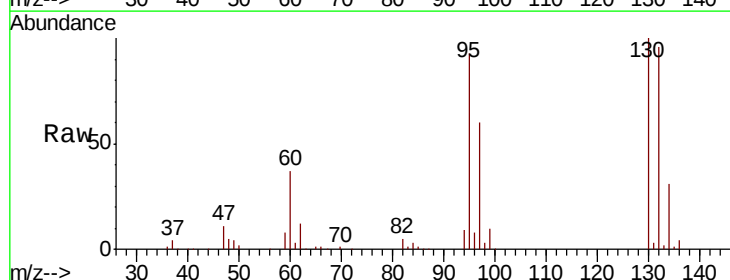
Acq: 28 May 2019 21:07

Tgt Ion: 130 Resp: 90653

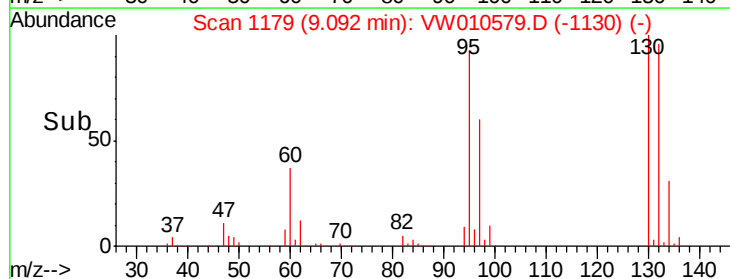
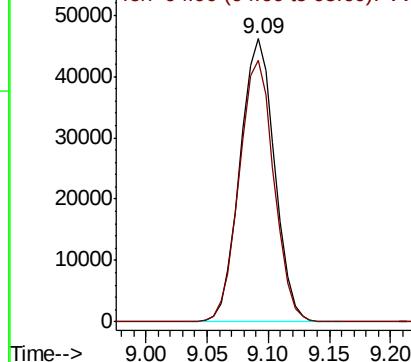
Ion Ratio Lower Upper

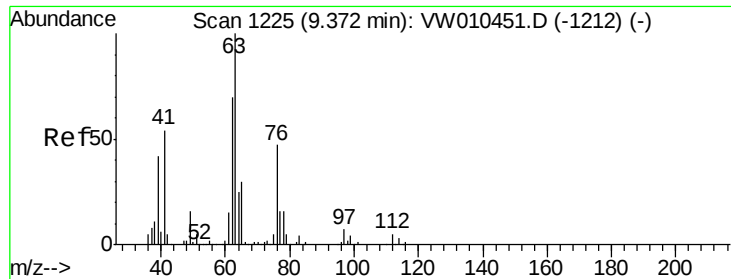
130 100

95 92.6 0.0 189.6



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

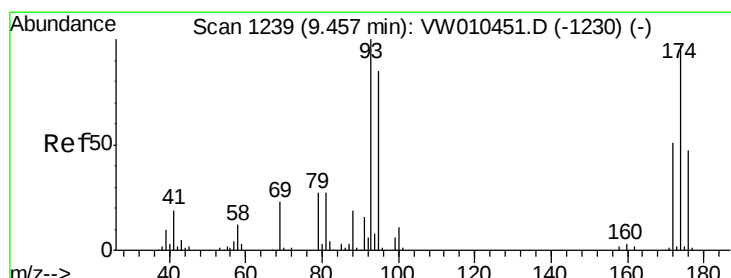
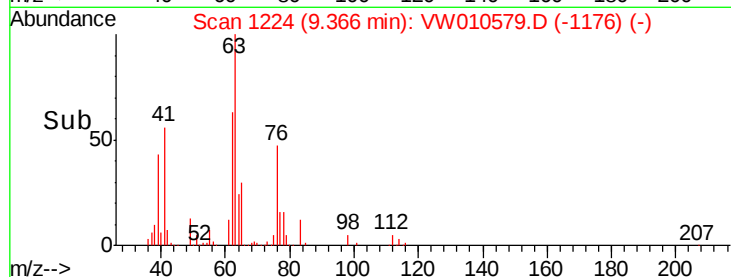
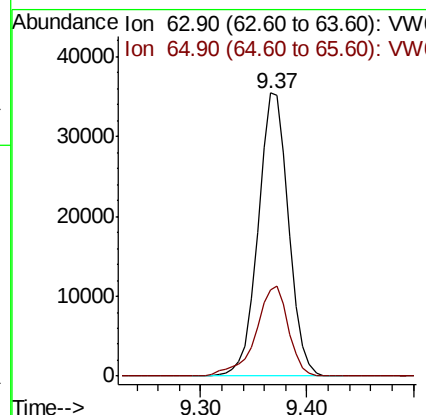
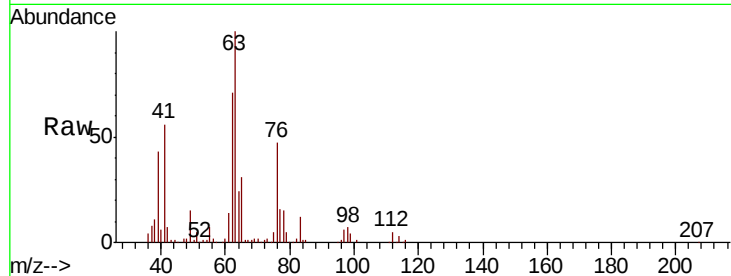




#45
 1,2-Dichloropropane
 Concen: 52.517 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

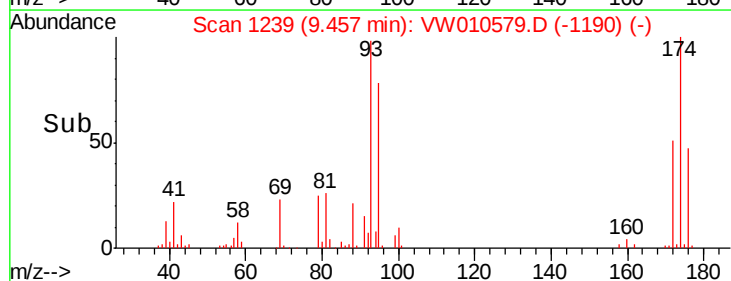
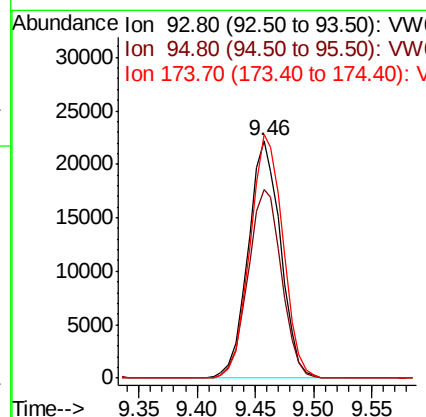
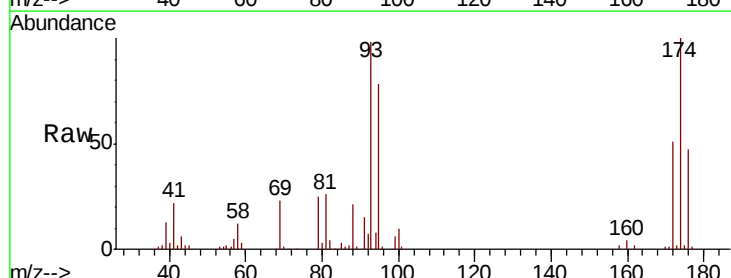
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

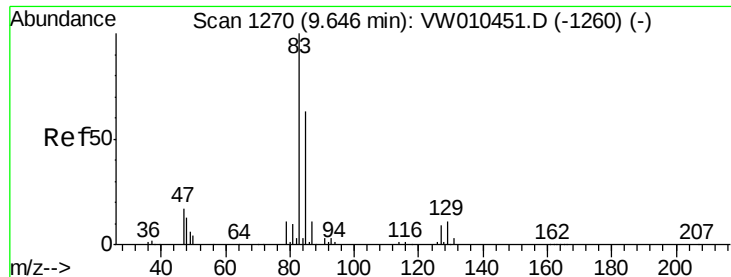
Tot Ion: 63 Resp: 71125
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.3 36.5



#46
 Dibromomethane
 Concen: 54.328 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion: 93 Resp: 43030
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.1 99.1
 174 104.3 77.1 115.7

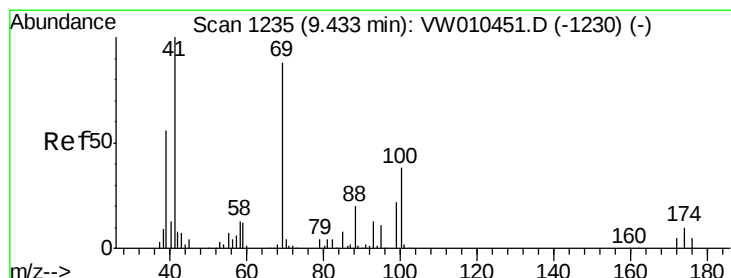
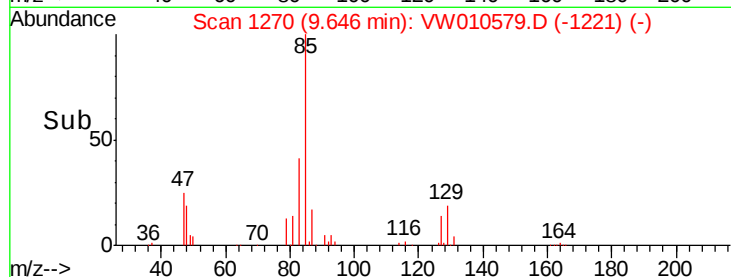
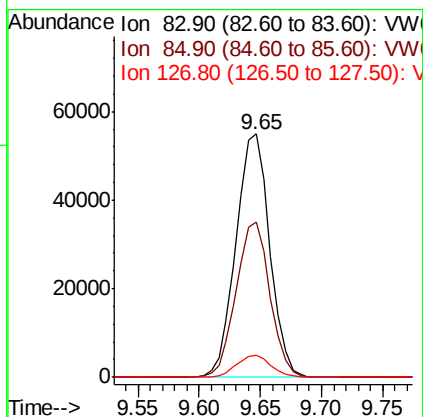
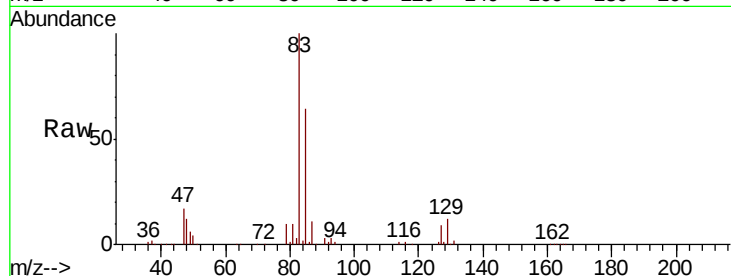




#47
Bromodichloromethane
Concen: 52.785 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

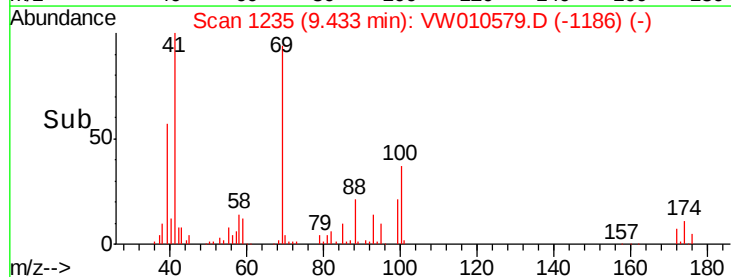
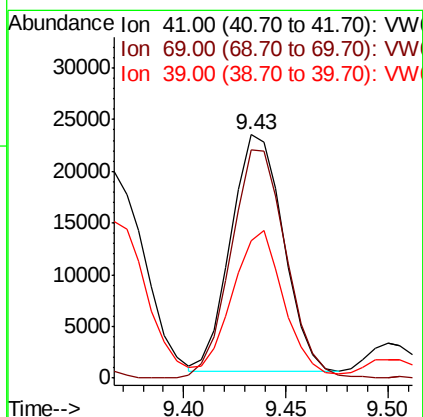
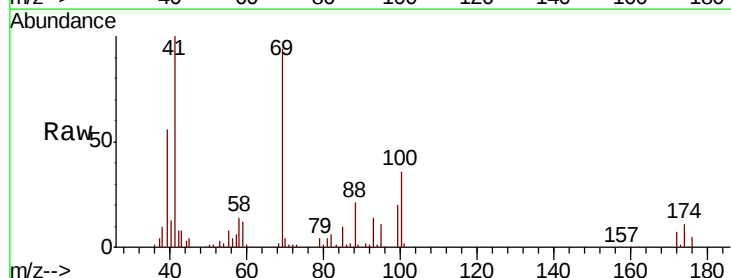
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

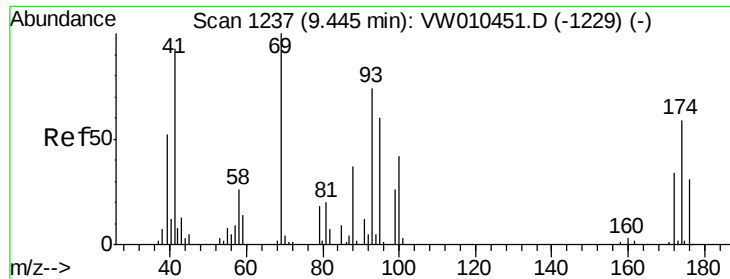
Tot Ion: 83 Resp: 105062
Ion Ratio Lower Upper
83 100
85 63.8 50.4 75.6
127 9.2 7.4 11.0



#48
Methyl methacrylate
Concen: 51.274 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 41 Resp: 40886
Ion Ratio Lower Upper
41 100
69 101.8 77.6 116.4
39 61.8 49.8 74.8





#49

1,4-Dioxane

Concen: 1157.711 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

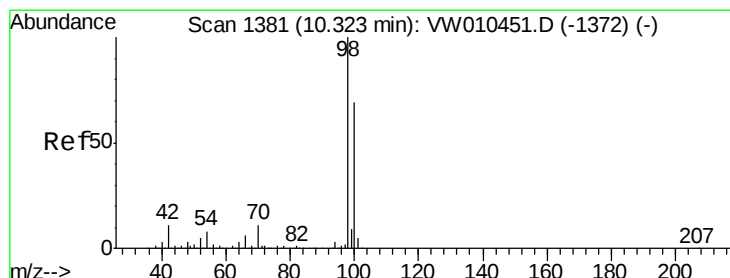
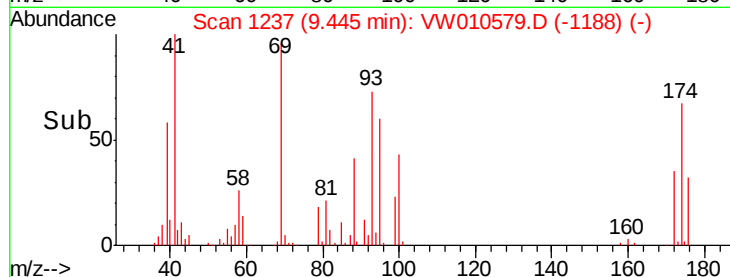
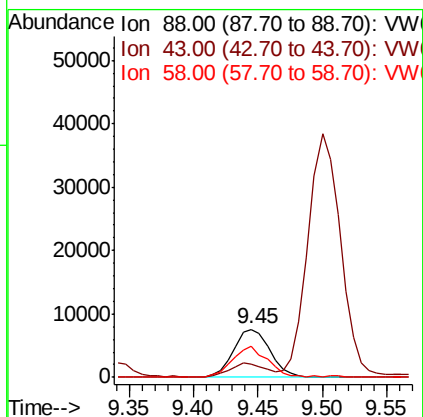
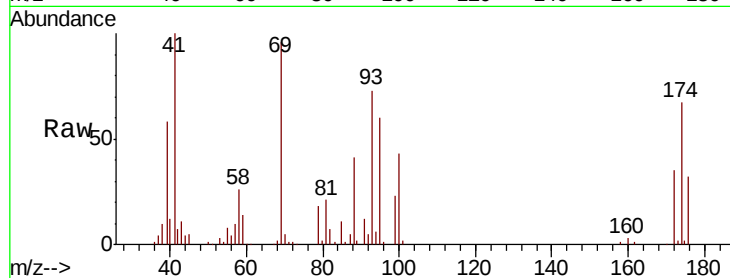
Tot Ion: 88 Resp: 14979

Ion Ratio Lower Upper

88 100

43 28.7 25.9 38.9

58 63.5 52.7 79.1



#50

Toluene-d8

Concen: 51.609 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010579.D

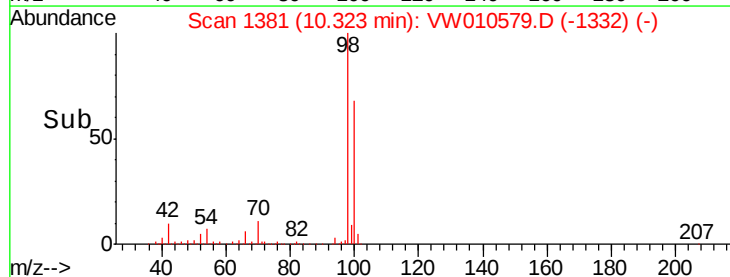
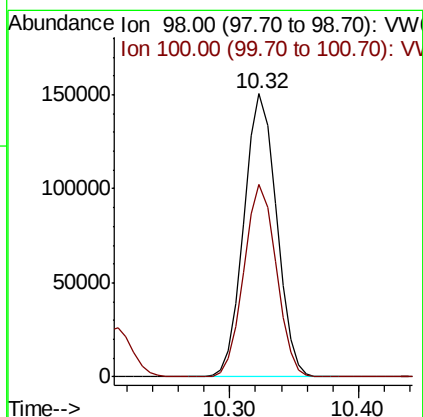
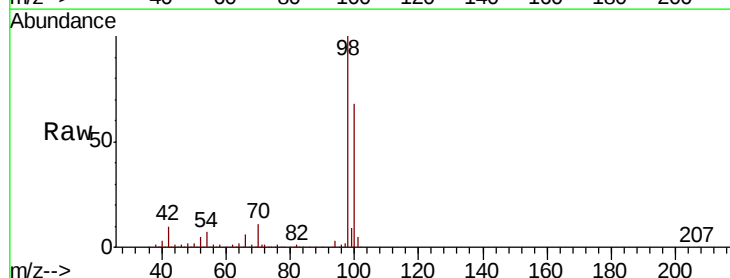
Acq: 28 May 2019 21:07

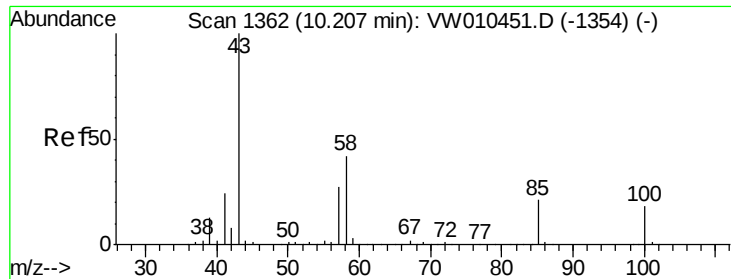
Tgt Ion: 98 Resp: 263479

Ion Ratio Lower Upper

98 100

100 67.5 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 268.227 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

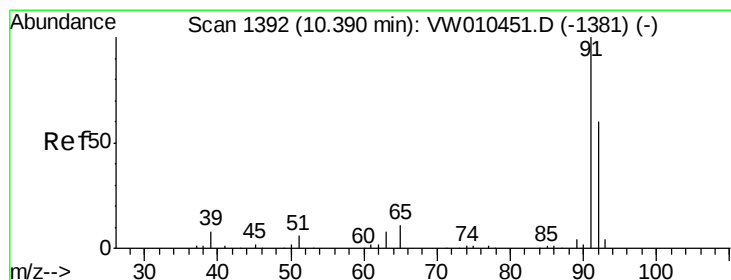
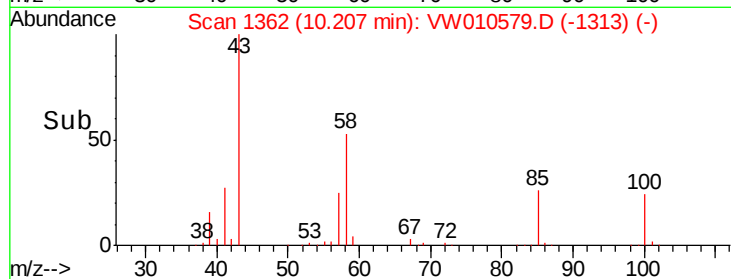
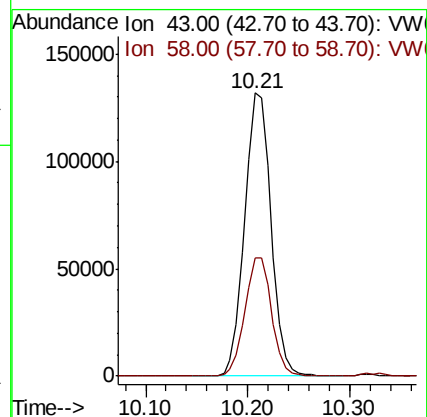
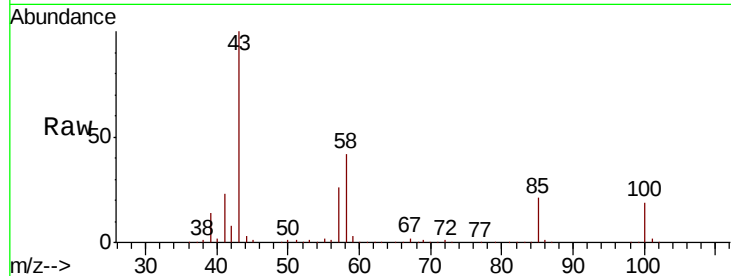
VSTDCCC050EC

Tot Ion: 43 Resp: 236902

Ion Ratio Lower Upper

43 100

58 42.3 33.2 49.8



#52

Toluene

Concen: 52.426 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010579.D

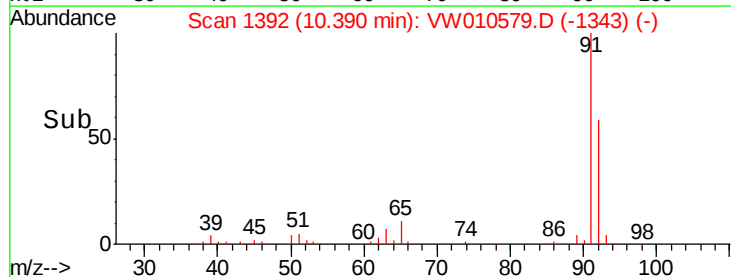
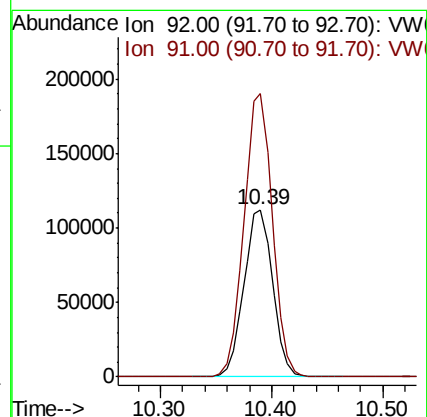
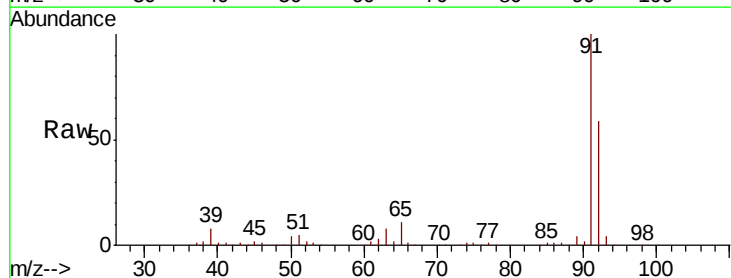
Acq: 28 May 2019 21:07

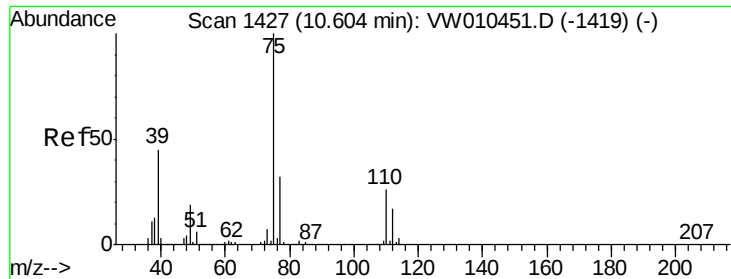
Tgt Ion: 92 Resp: 200772

Ion Ratio Lower Upper

92 100

91 167.8 135.4 203.0

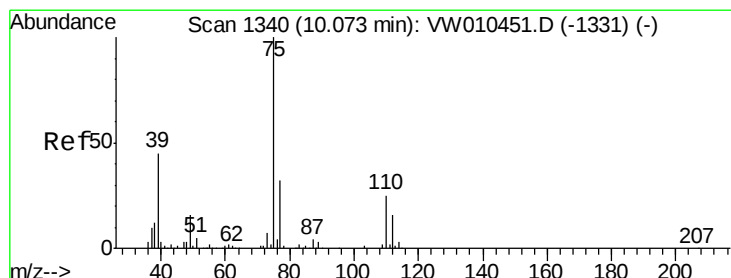
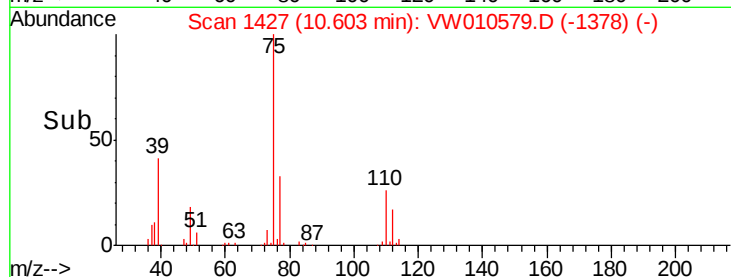
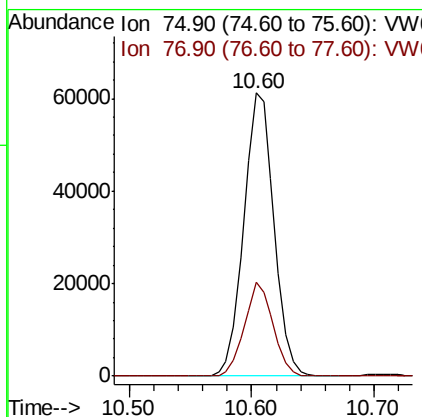
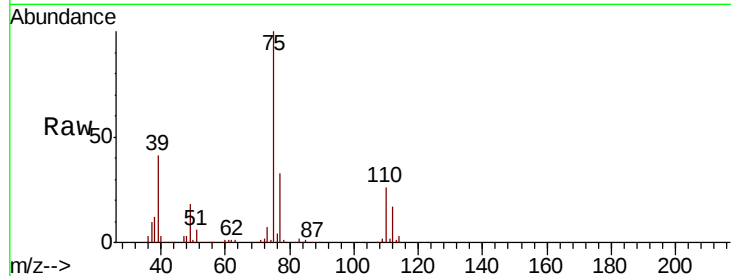




#53
t-1,3-Dichloropropene
Concen: 51.876 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

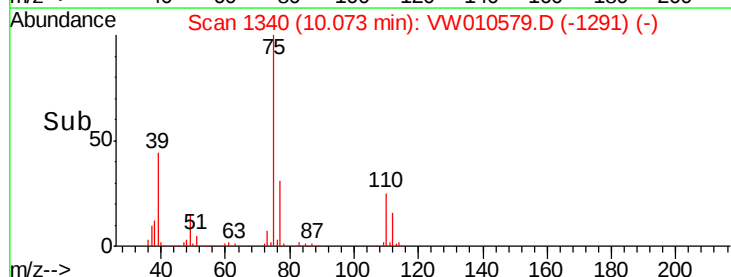
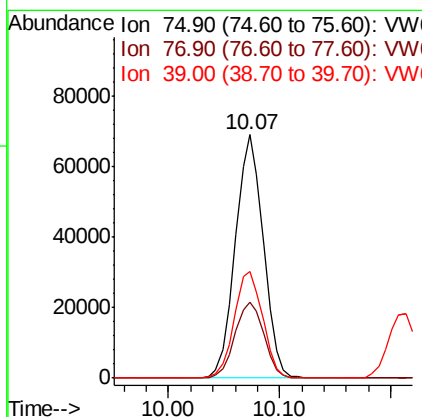
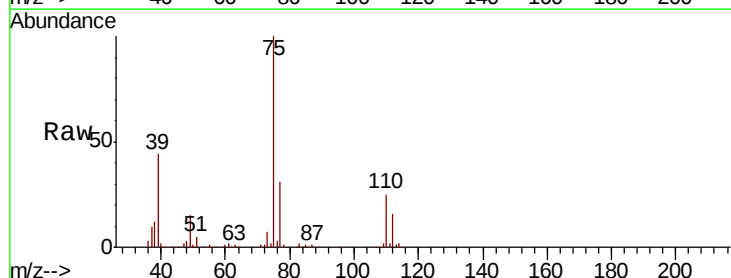
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

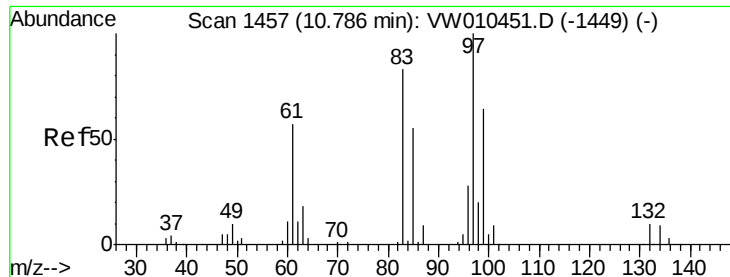
Tot Ion: 75 Resp: 104573
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 52.176 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 75 Resp: 120117
Ion Ratio Lower Upper
75 100
77 31.1 25.7 38.5
39 43.6 36.2 54.4



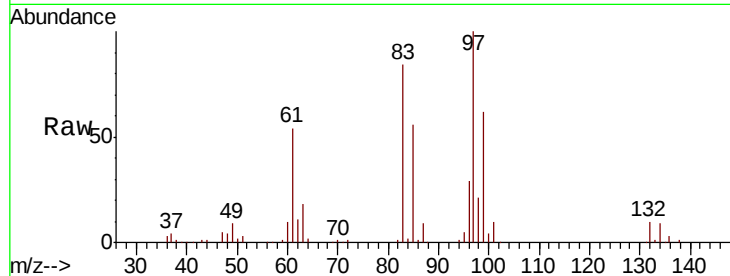


#55
 1,1,2-Trichloroethane
 Concen: 55.742 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 63488

Ion	Ratio	Lower	Upper
97	100		
83	83.8	66.1	99.1
85	55.7	44.2	66.4
99	61.8	51.1	76.7



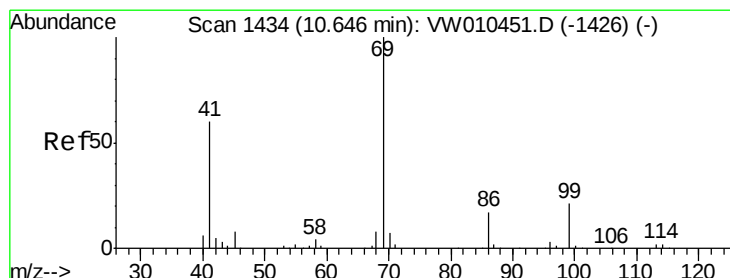
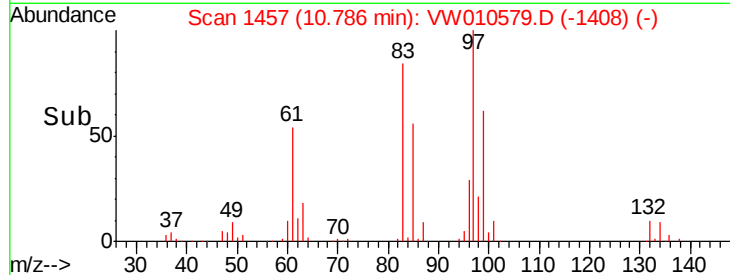
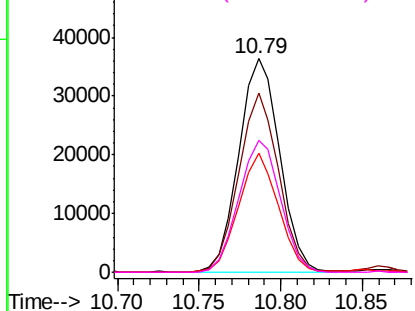
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

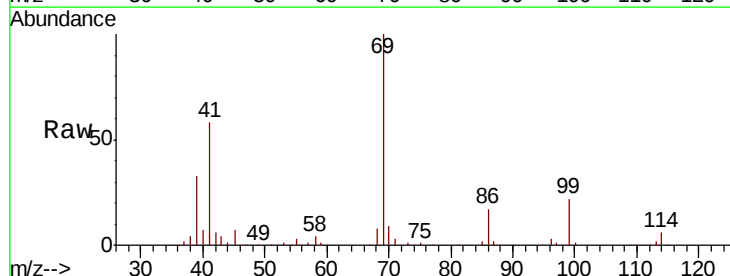
Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 52.730 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion: 69 Resp: 82830

Ion	Ratio	Lower	Upper
69	100		
41	58.5	47.7	71.5
39	31.1	25.3	37.9

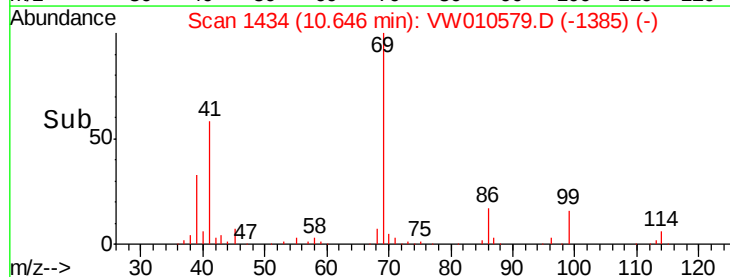
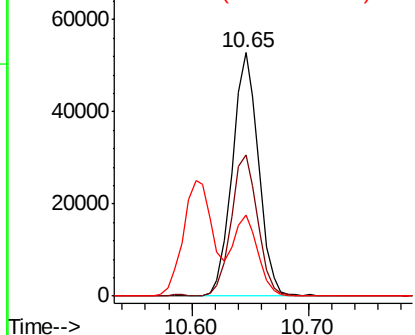


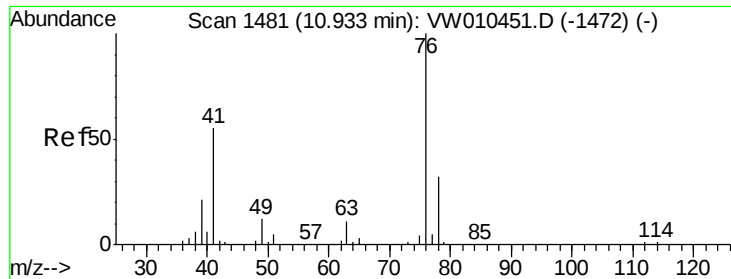
Abundance

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

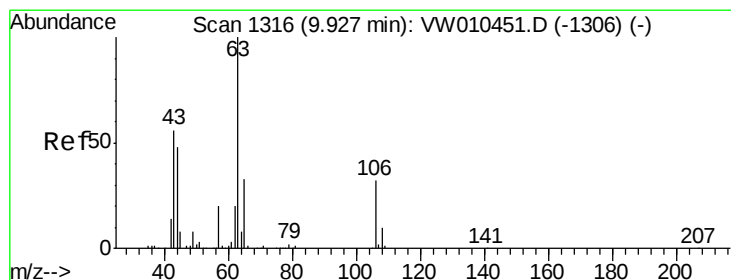
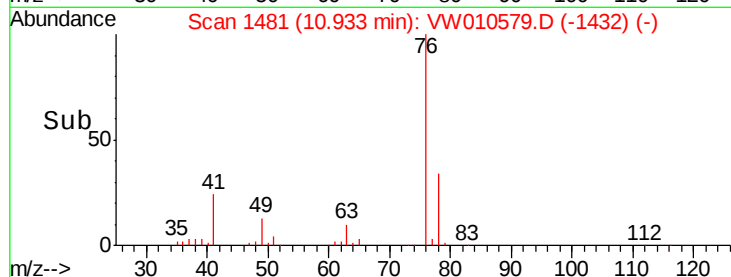
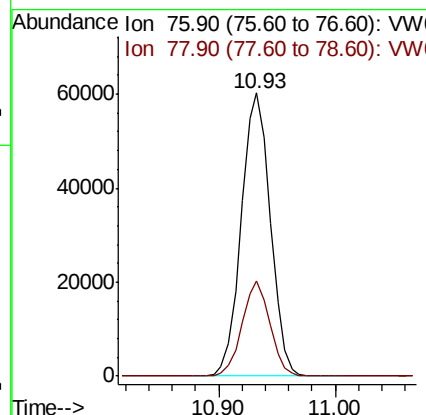
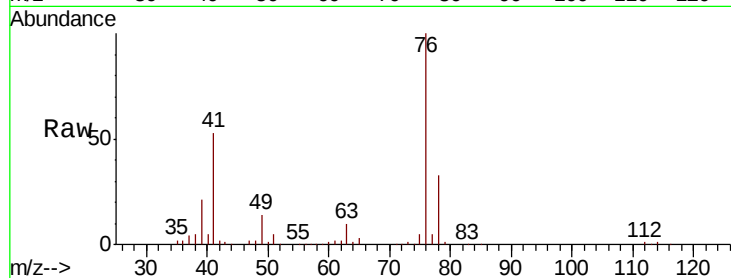




#57
 1,3-Dichloropropane
 Concen: 55.003 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

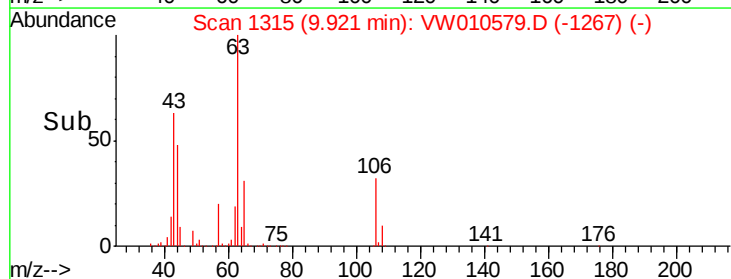
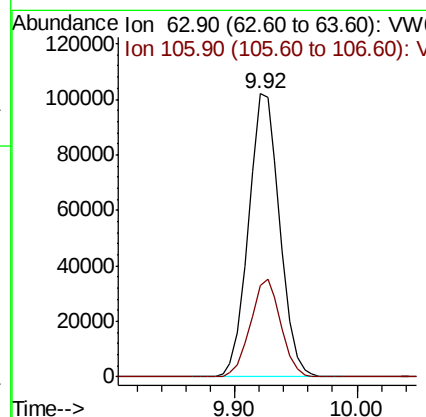
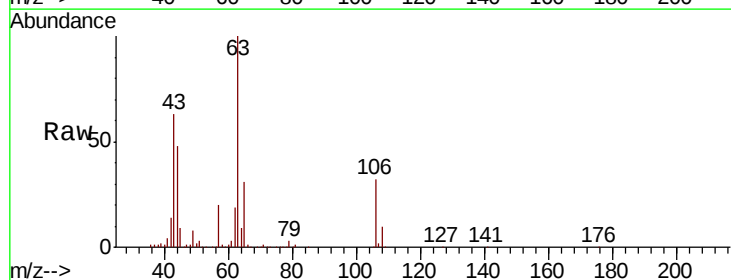
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

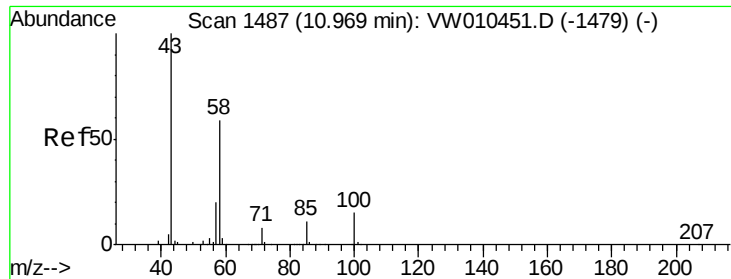
Tot Ion: 76 Resp: 104936
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.072 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion: 63 Resp: 180252
 Ion Ratio Lower Upper
 63 100
 106 33.5 25.8 38.6

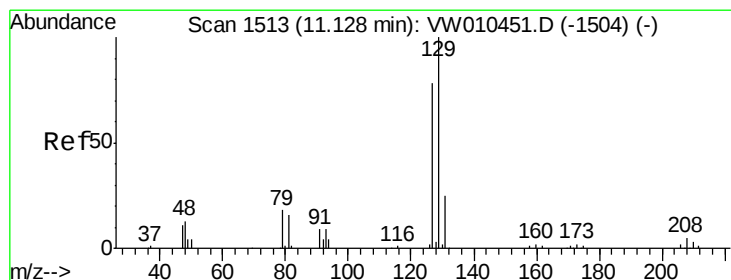
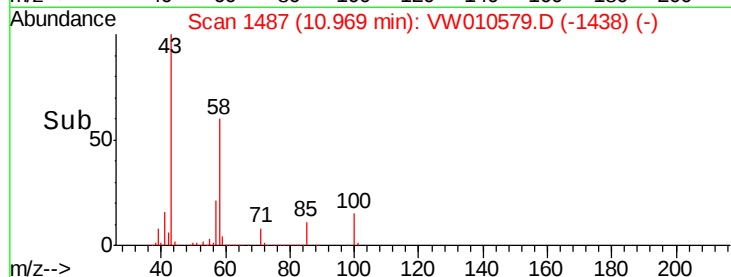
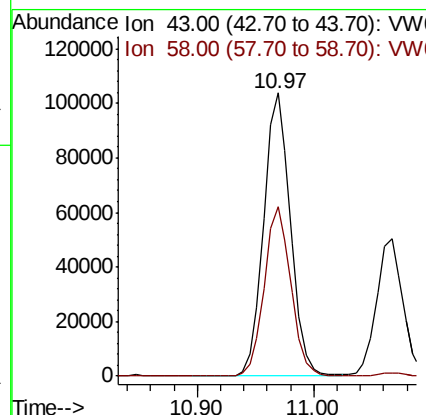
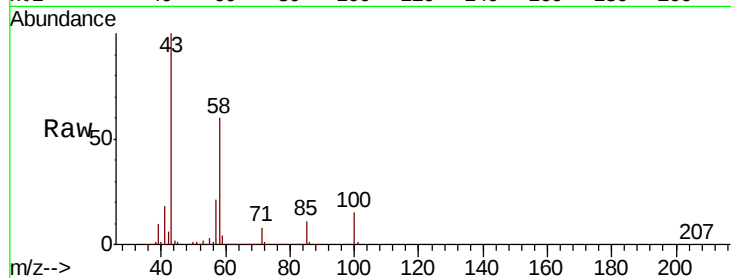




#59
2-Hexanone
Concen: 264.853 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

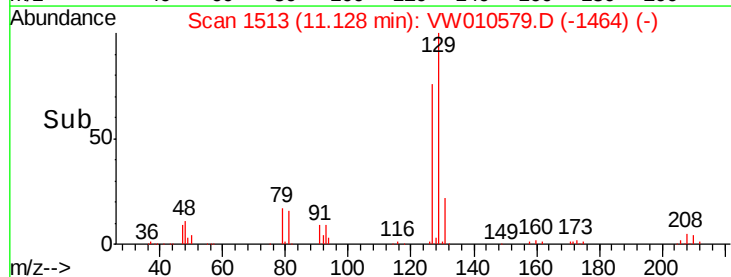
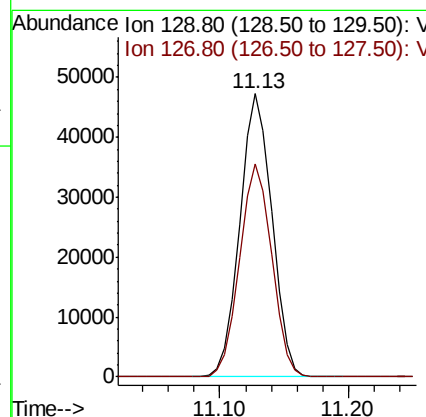
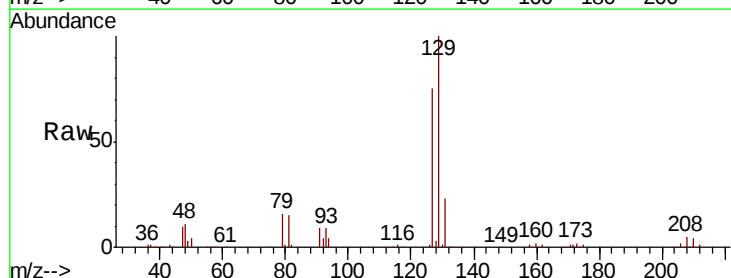
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

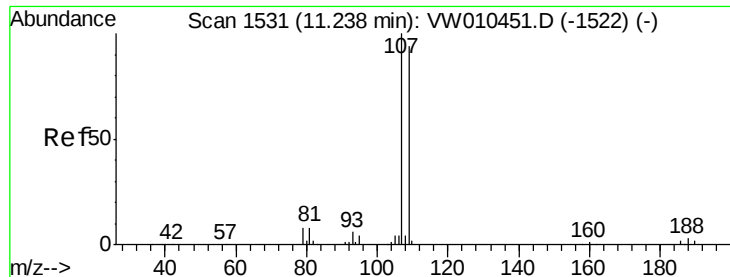
Tot Ion: 43 Resp: 166868
Ion Ratio Lower Upper
43 100
58 59.4 28.9 86.8



#60
Dibromochloromethane
Concen: 56.515 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 129 Resp: 81465
Ion Ratio Lower Upper
129 100
127 75.4 38.9 116.7

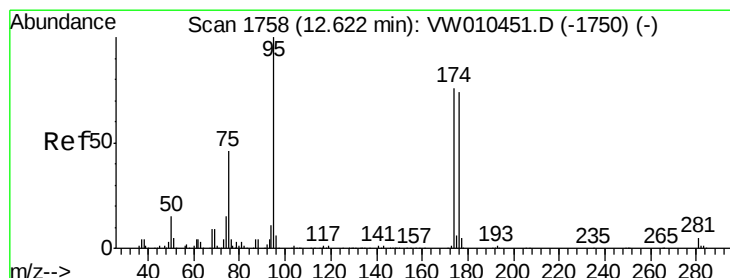
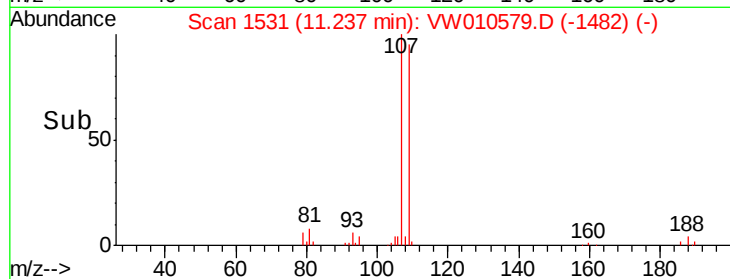
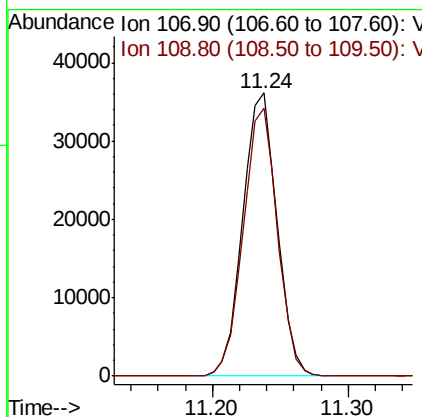
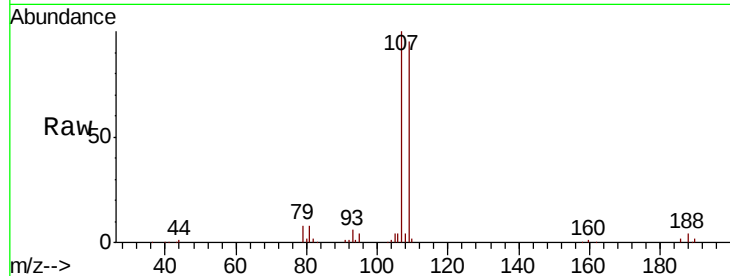




#61
 1,2-Dibromoethane
 Concen: 55.227 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

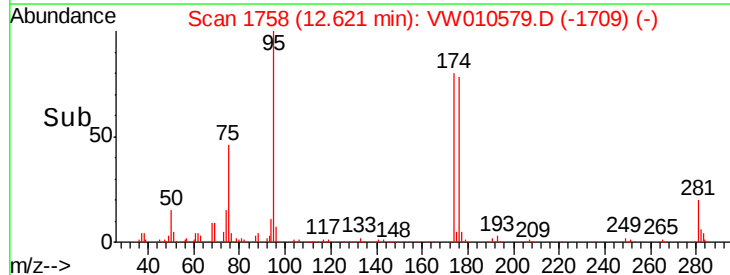
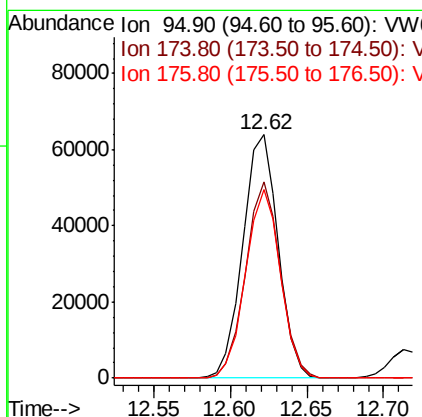
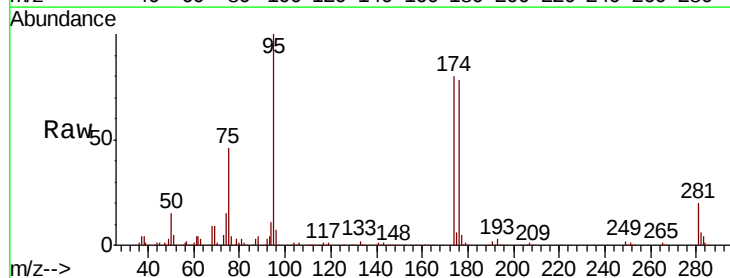
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

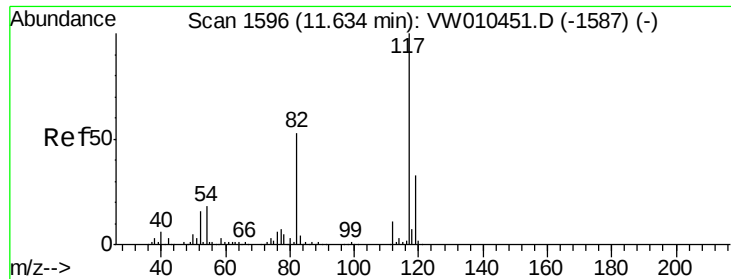
Tot Ion: 107 Resp: 63718
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.526 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion: 95 Resp: 102745
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 148.6
 176 76.6 0.0 144.2

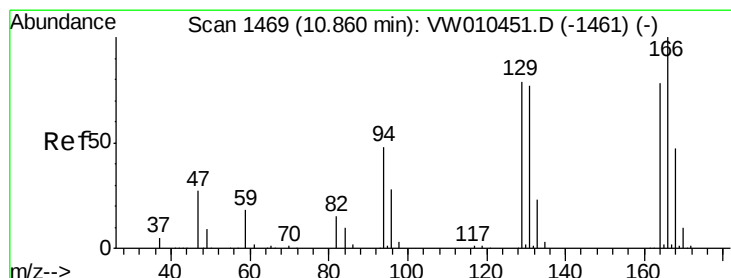
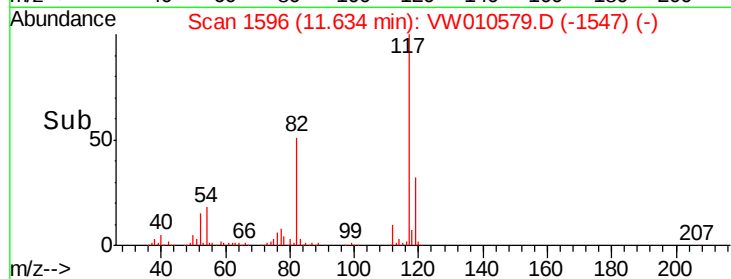
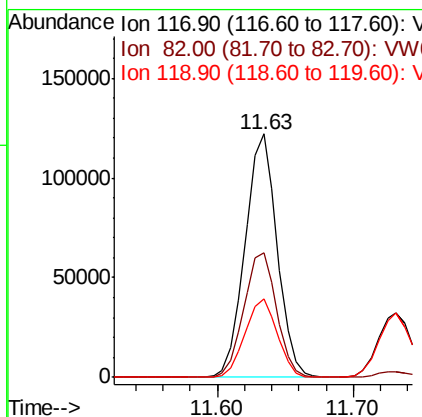
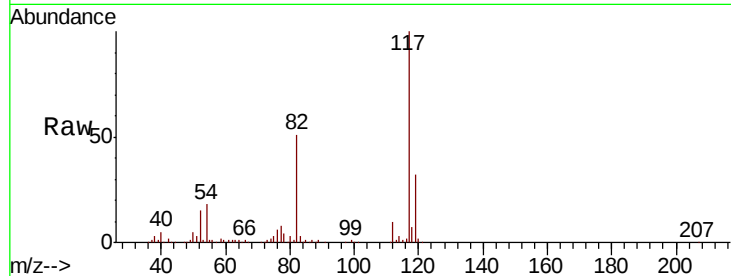




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

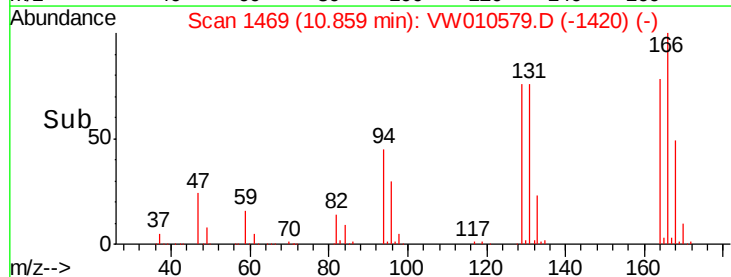
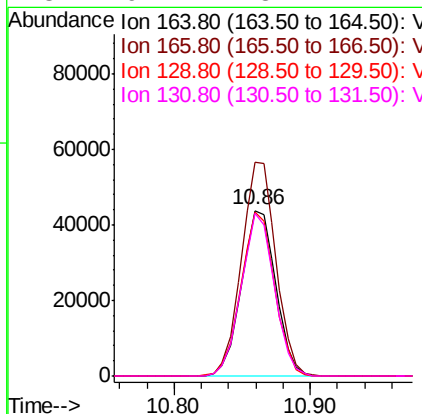
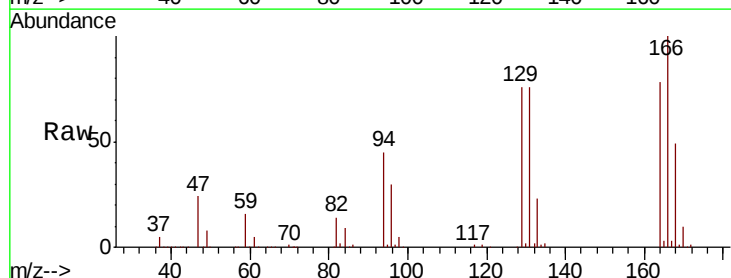
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

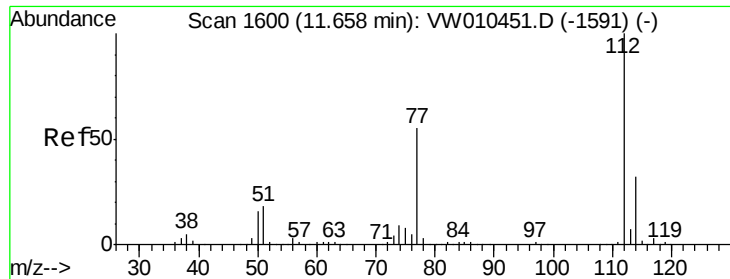
Tot Ion:117 Resp: 201233
Ion Ratio Lower Upper
117 100
82 51.0 42.8 64.2
119 32.1 26.3 39.5



#64
Tetrachloroethene
Concen: 55.085 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion:164 Resp: 77272
Ion Ratio Lower Upper
164 100
166 128.9 101.9 152.9
129 98.6 80.6 121.0
131 97.7 78.2 117.2

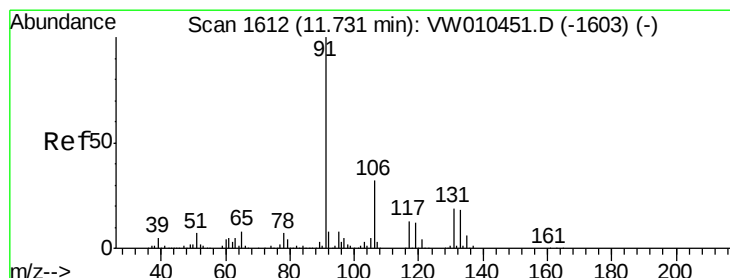
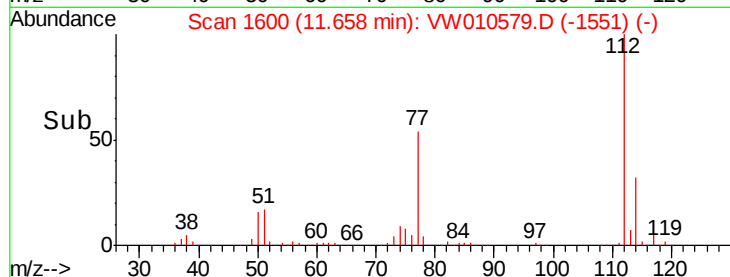
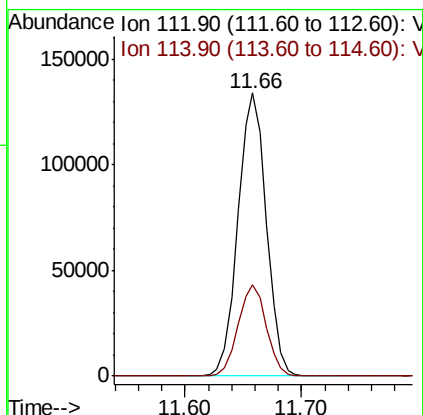
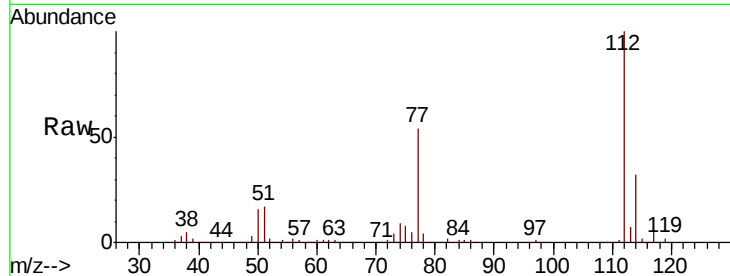




#65
Chlorobenzene
Concen: 52.898 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

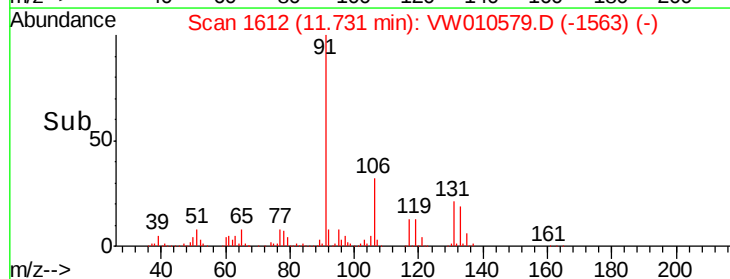
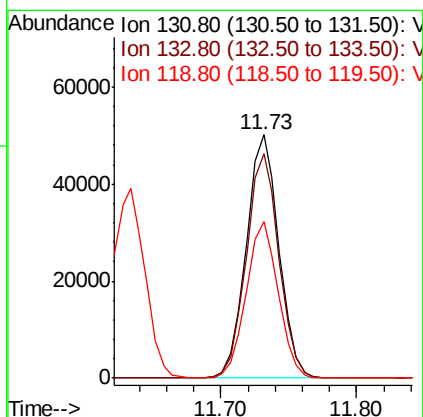
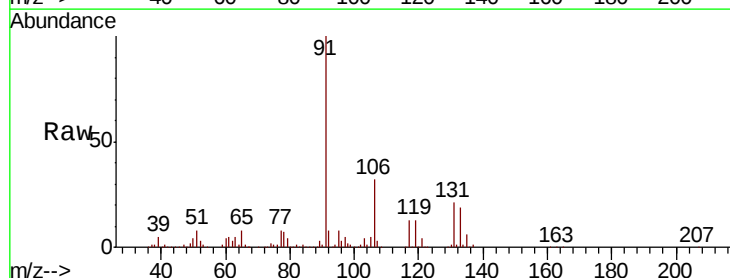
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

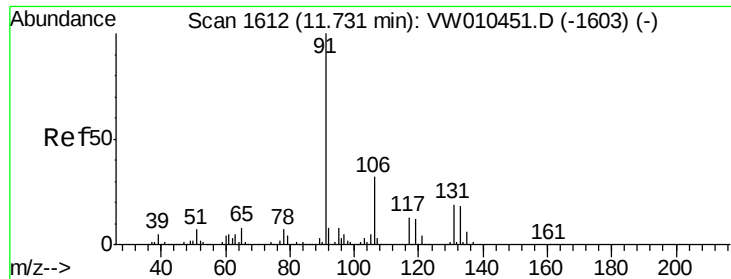
Tot Ion:112 Resp: 226866
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion:131 Resp: 83854
Ion Ratio Lower Upper
131 100
133 92.6 47.3 141.9
119 63.8 32.1 96.5

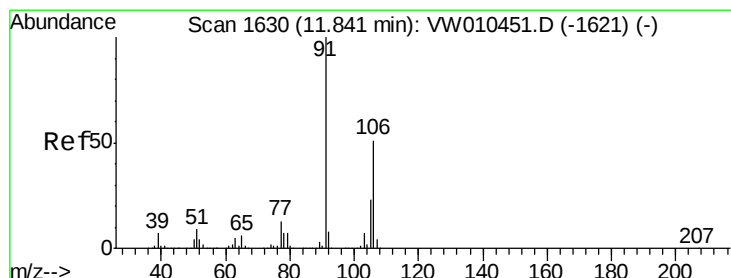
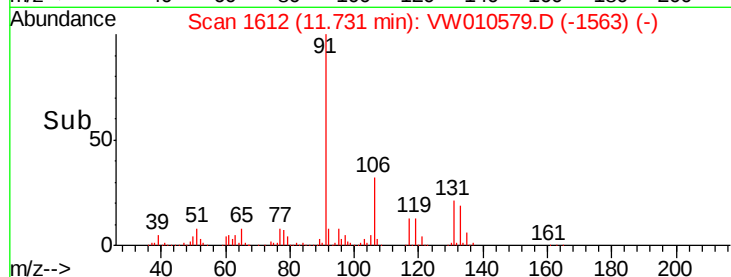
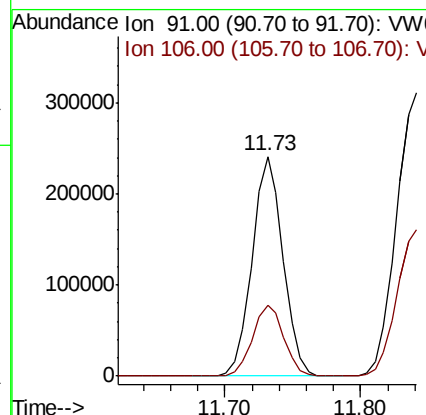
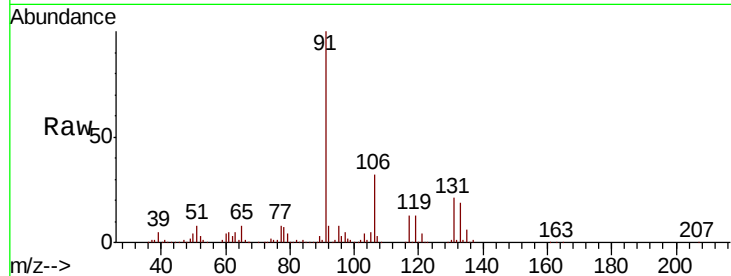




#67
Ethyl Benzene
Concen: 50.468 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

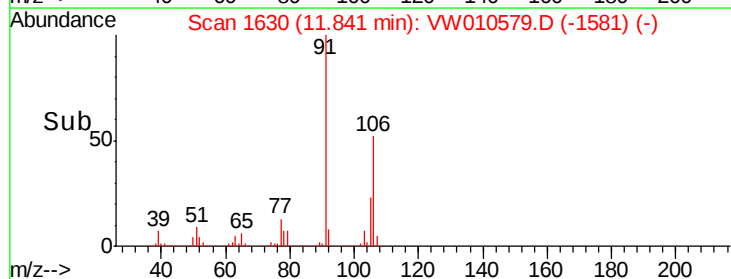
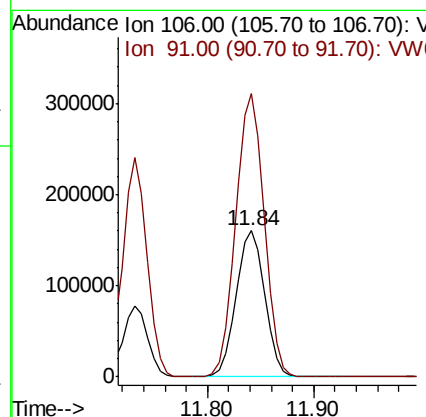
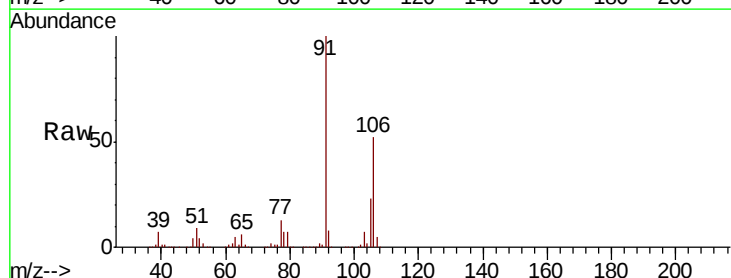
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

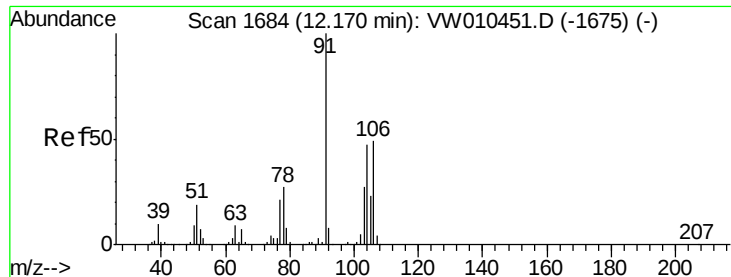
Tot Ion: 91 Resp: 382142
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9



#68
m/p-Xylenes
Concen: 101.656 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 106 Resp: 301914
Ion Ratio Lower Upper
106 100
91 193.4 156.0 234.0

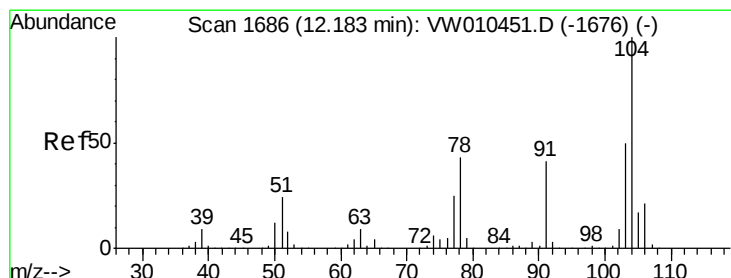
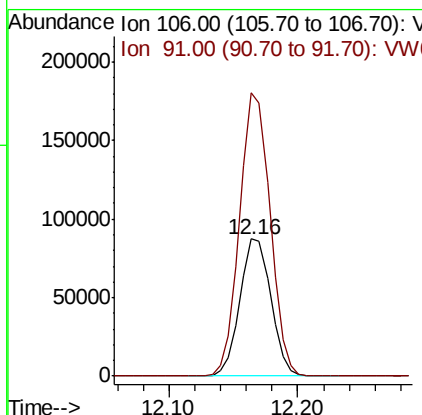
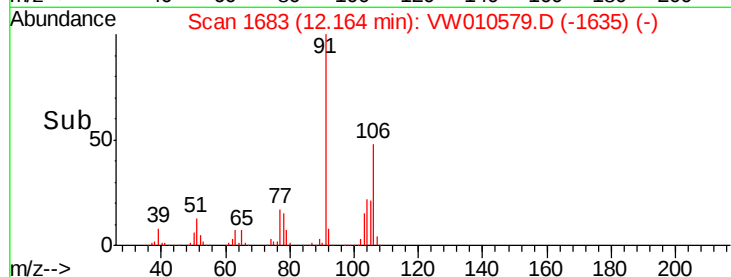
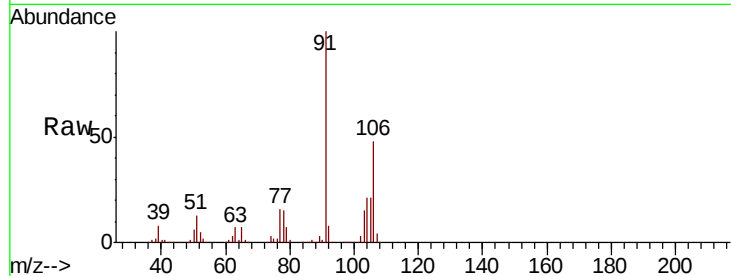




#69
o-Xylene
Concen: 51.740 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

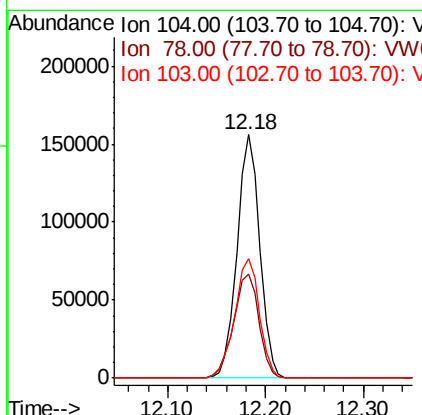
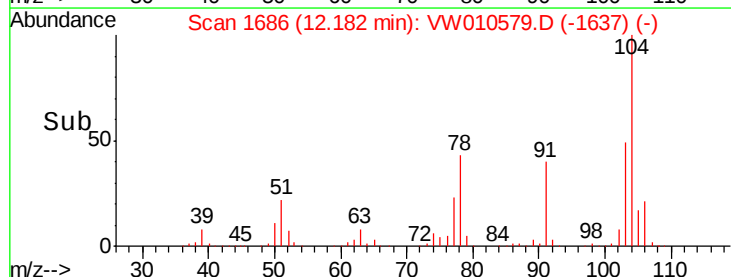
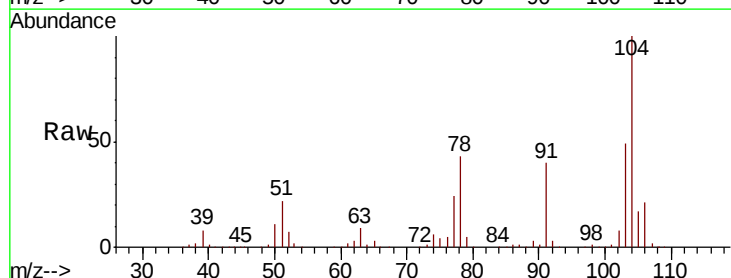
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

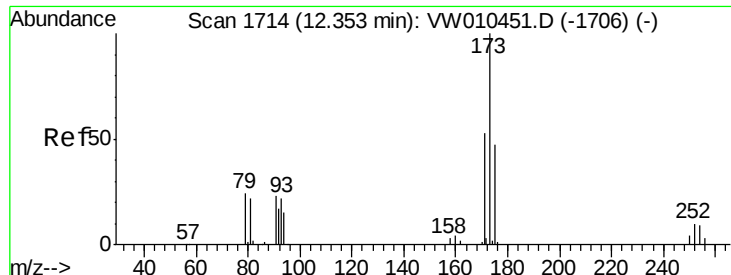
Tot Ion:106 Resp: 145590
Ion Ratio Lower Upper
106 100
91 203.5 103.2 309.4



#70
Styrene
Concen: 52.614 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion:104 Resp: 251197
Ion Ratio Lower Upper
104 100
78 47.8 39.0 58.4
103 53.4 43.0 64.6

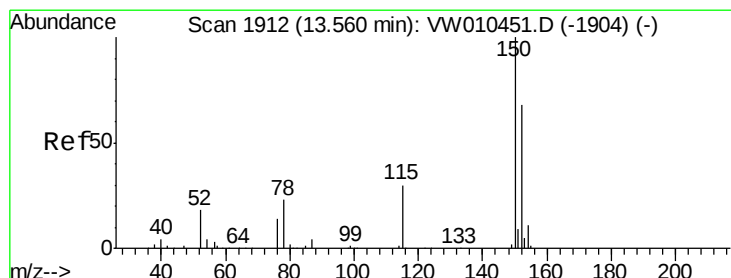
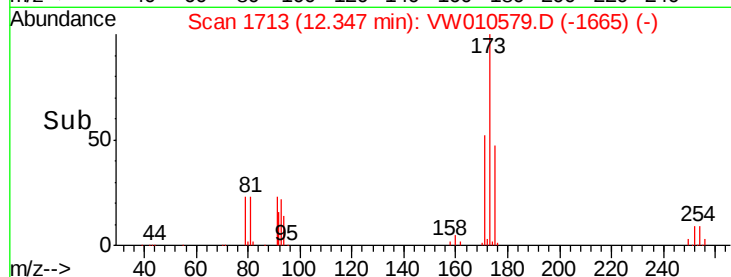
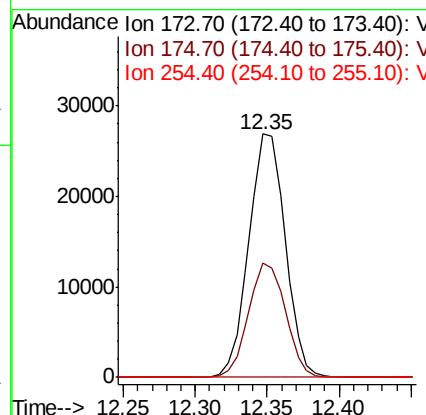
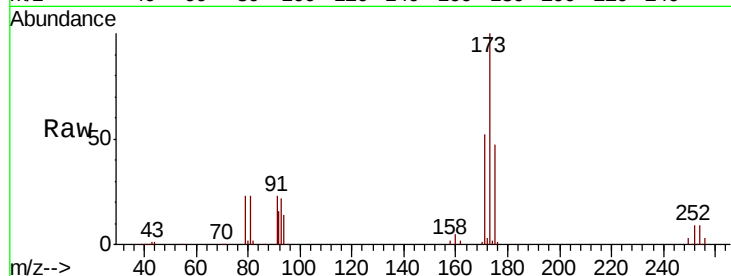




#71
Bromoform
Concen: 55.782 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

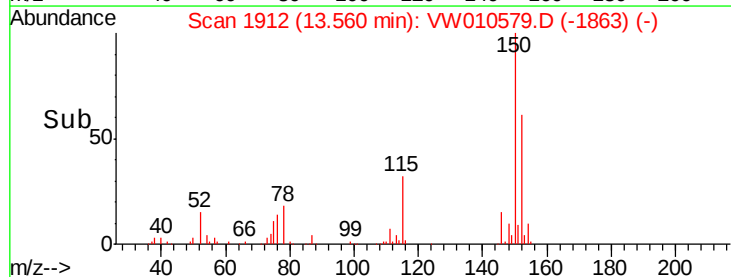
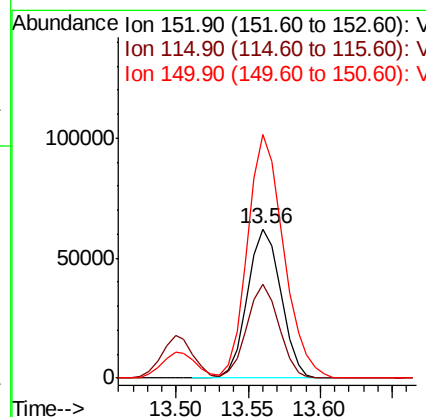
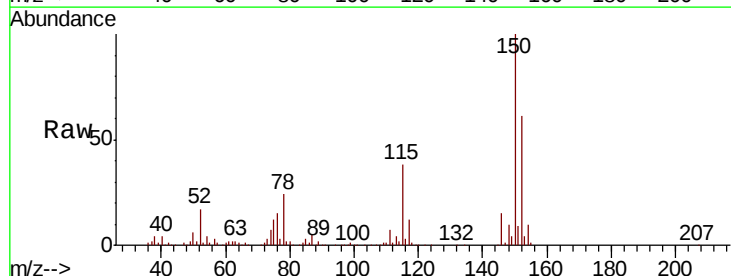
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

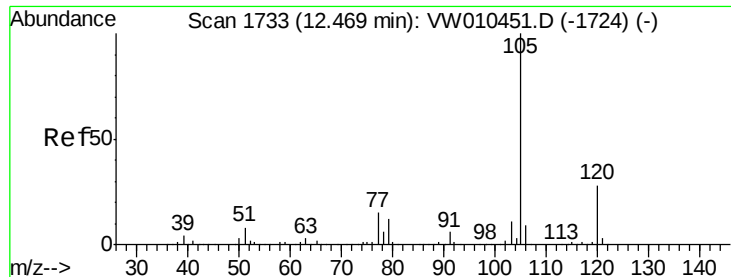
Tot Ion:173 Resp: 47193
Ion Ratio Lower Upper
173 100
175 47.4 24.4 73.4
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion:152 Resp: 99910
Ion Ratio Lower Upper
152 100
115 59.9 30.3 91.0
150 175.8 0.0 349.8





#73

Isopropylbenzene

Concen: 48.766 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleID :

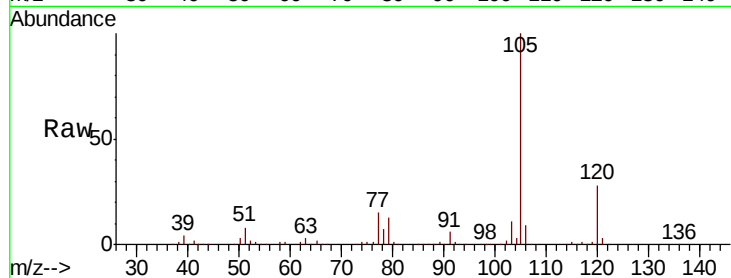
VSTDCCC050EC

Tot Ion:105 Resp: 386627

Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

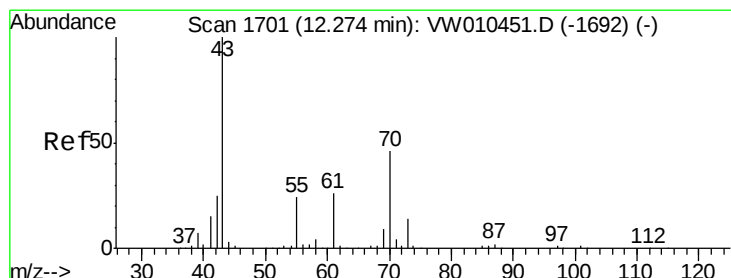
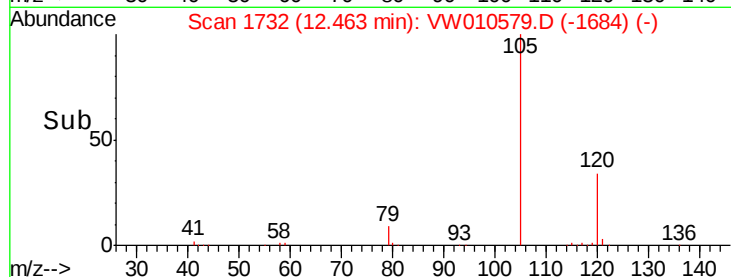
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 49.336 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion: 43 Resp: 89633

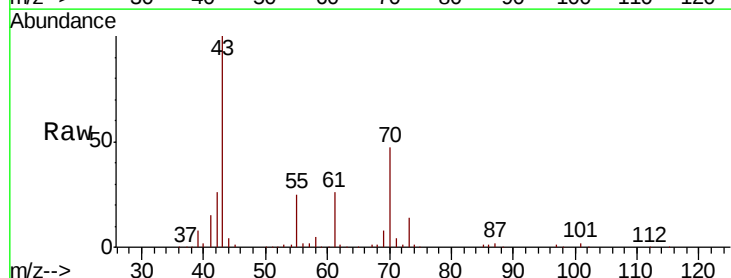
Ion Ratio Lower Upper

43 100

70 47.1 37.1 55.7

55 25.3 19.6 29.4

61 25.9 20.7 31.1



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

80000

60000

40000

20000

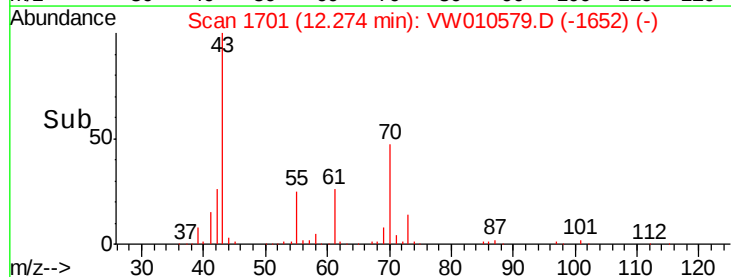
0

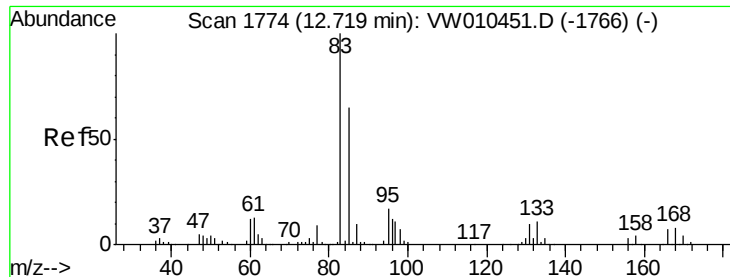
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.811 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

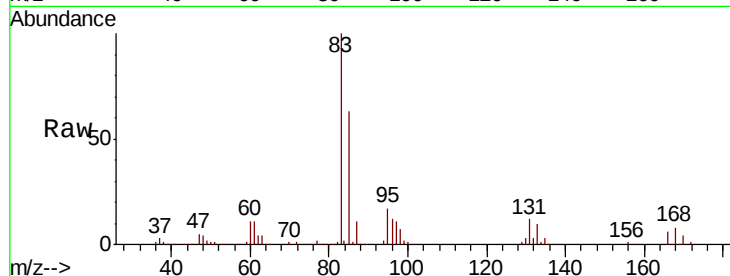
Tot Ion: 83 Resp: 74713

Ion Ratio Lower Upper

83 100

131 11.9 5.6 16.8

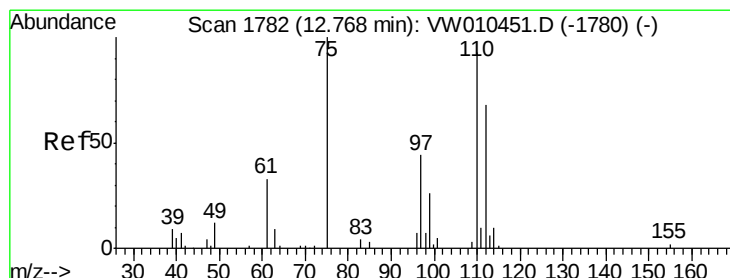
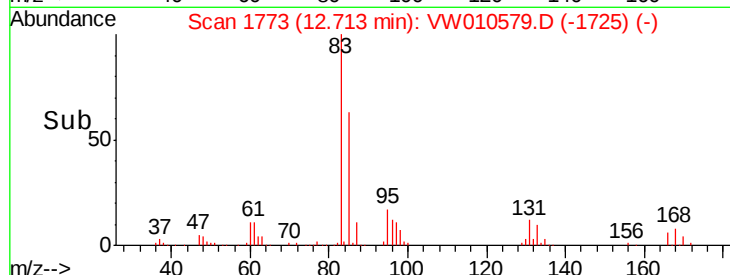
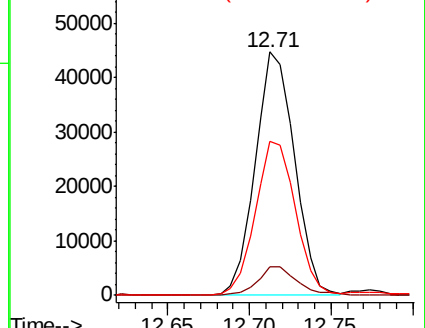
85 64.5 32.4 97.0



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: 90.908 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010579.D

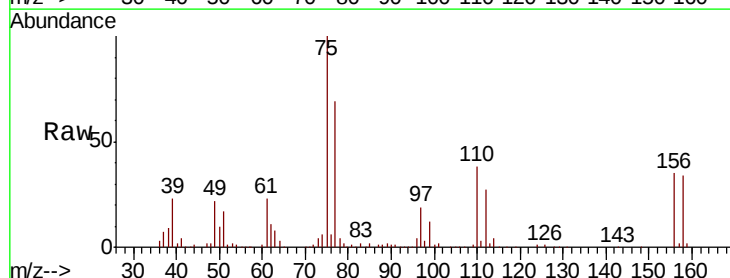
Acq: 28 May 2019 21:07

Tgt Ion: 75 Resp: 92194

Ion Ratio Lower Upper

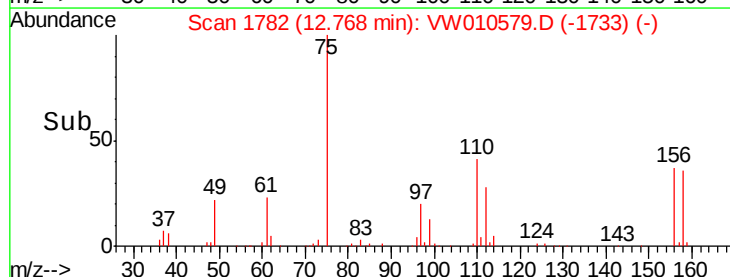
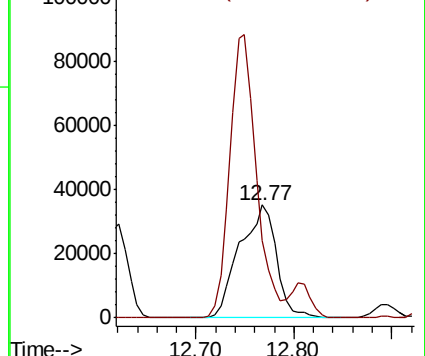
75 100

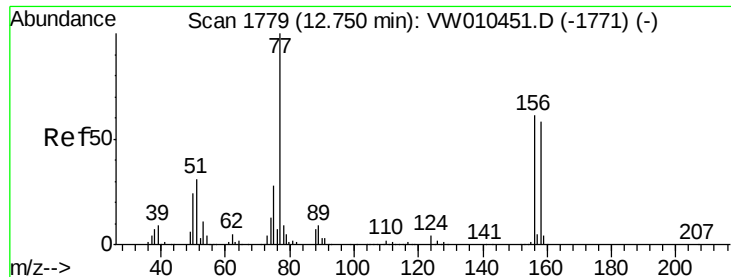
77 181.0 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.634 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

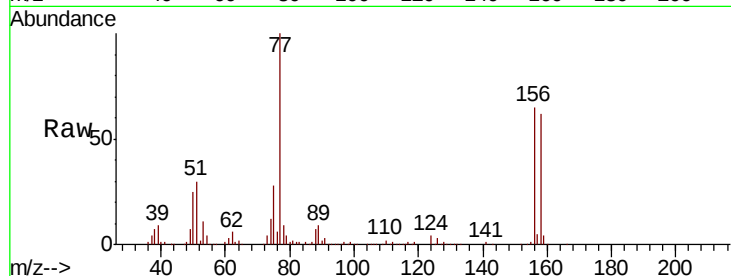
Tot Ion:156 Resp: 95156

Ion Ratio Lower Upper

156 100

77 175.3 92.4 277.2

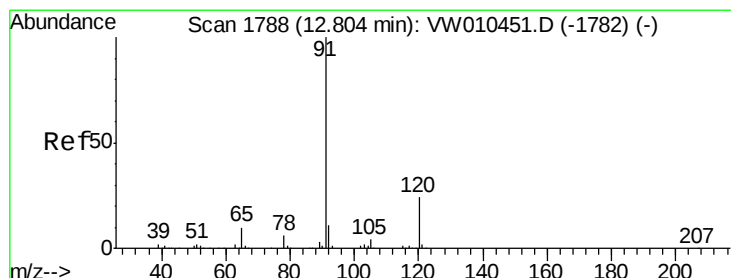
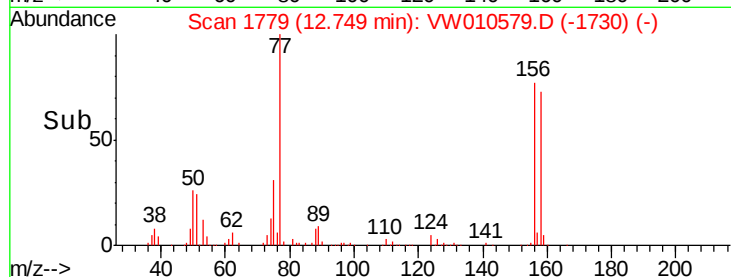
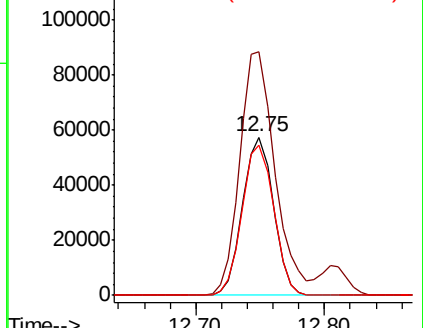
158 97.2 48.3 144.8



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: 47.479 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010579.D

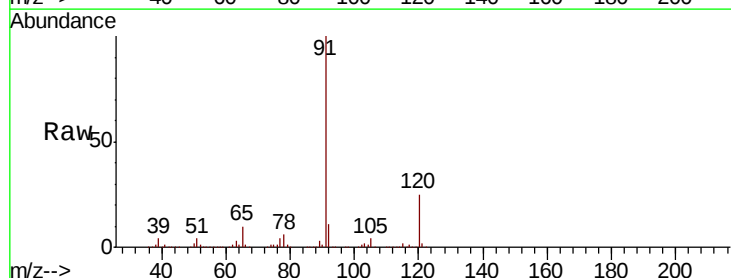
Acq: 28 May 2019 21:07

Tgt Ion: 91 Resp: 438674

Ion Ratio Lower Upper

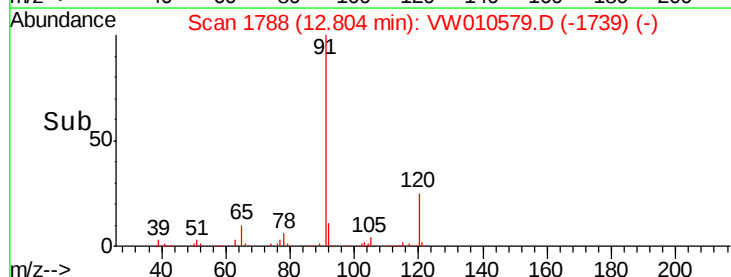
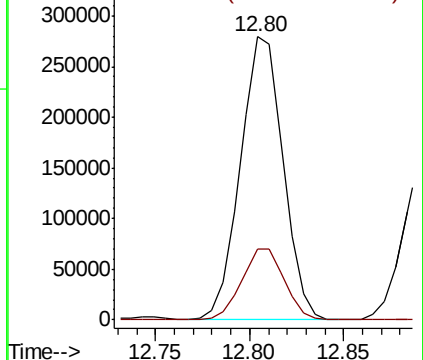
91 100

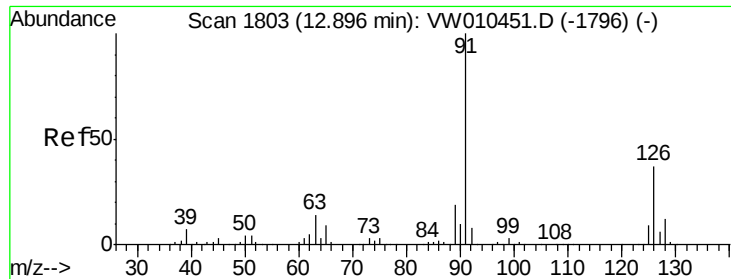
120 25.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.808 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

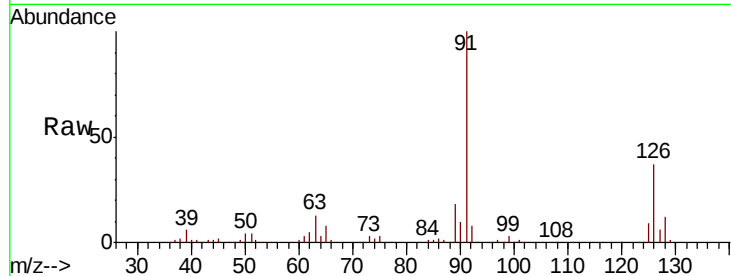
VSTDCCC050EC

Tot Ion: 91 Resp: 261516

Ion Ratio Lower Upper

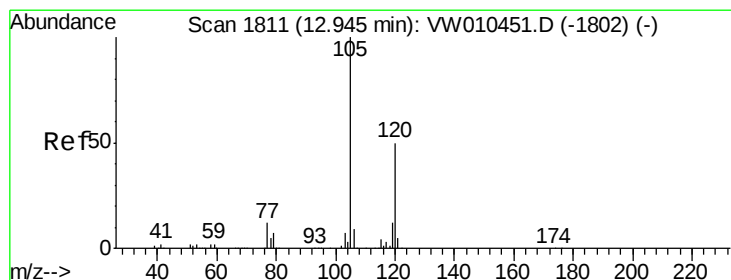
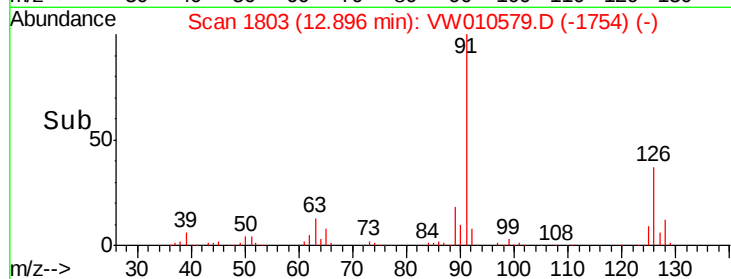
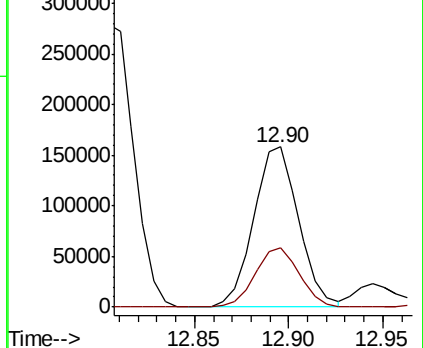
91 100

126 36.4 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.548 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010579.D

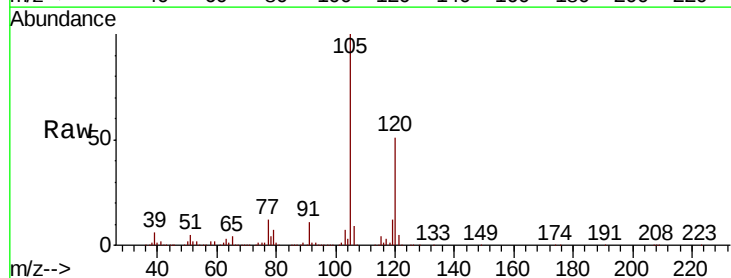
Acq: 28 May 2019 21:07

Tgt Ion:105 Resp: 332703

Ion Ratio Lower Upper

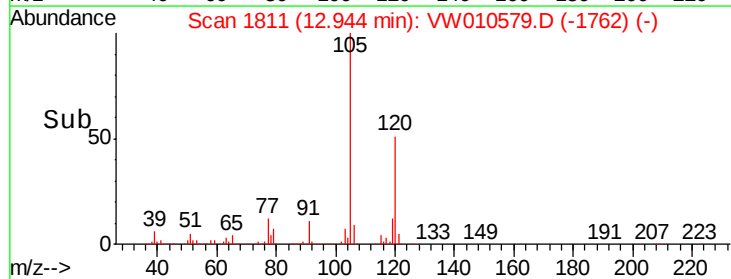
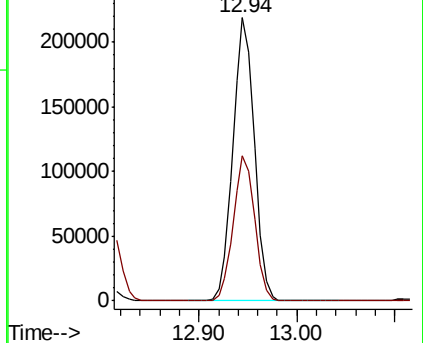
105 100

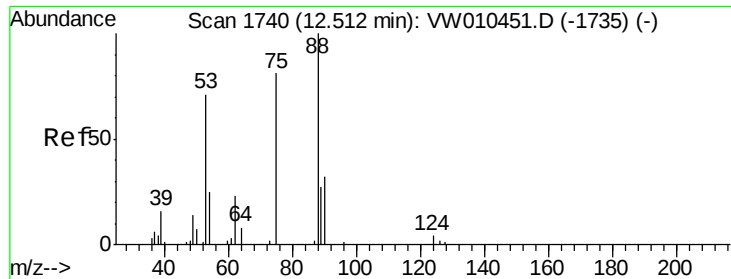
120 51.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

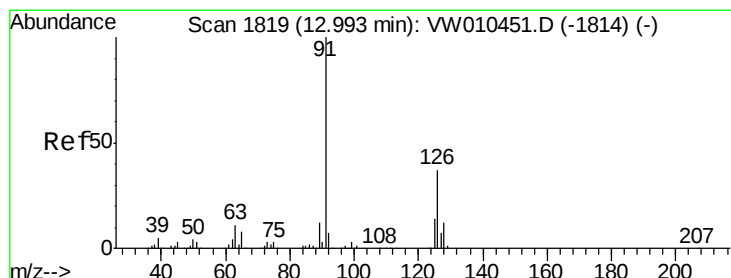
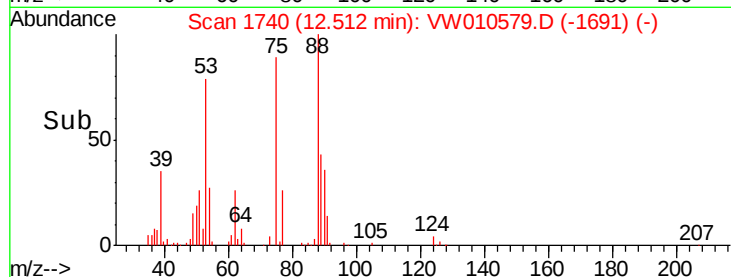
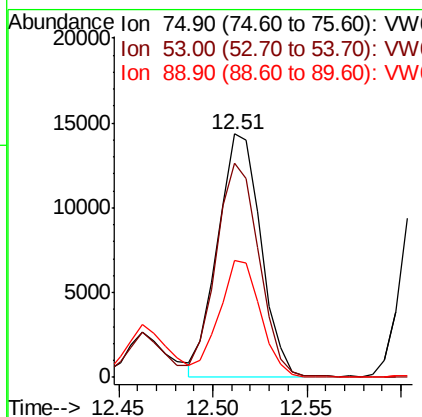
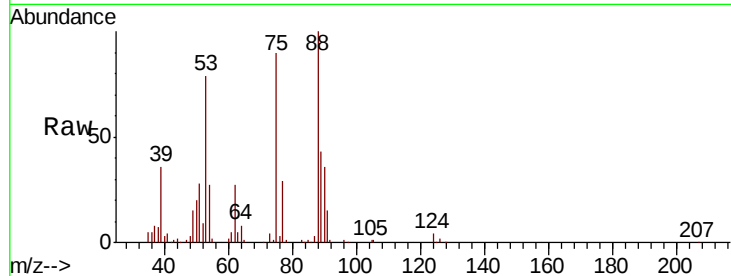




#81
trans-1,4-Dichloro-2-butene
Concen: 47.208 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

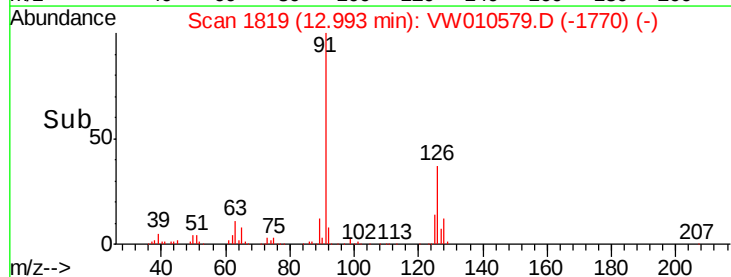
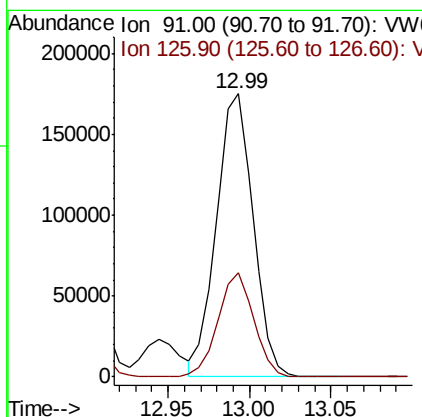
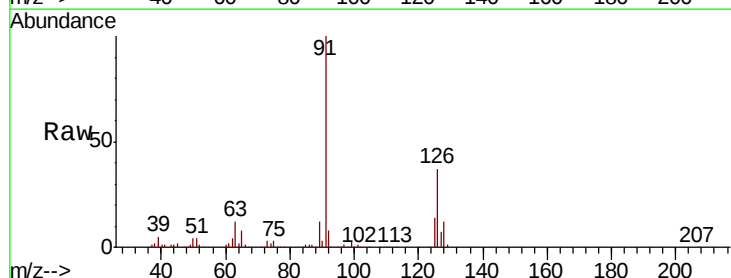
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

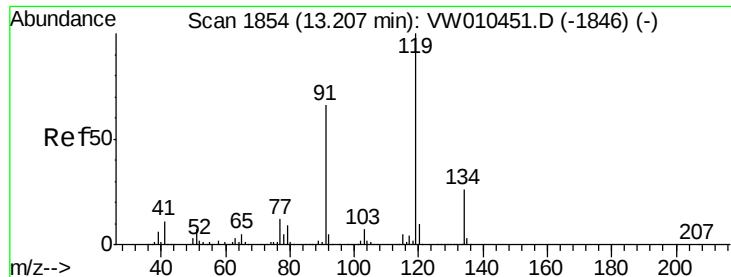
Tot Ion: 75 Resp: 22940
Ion Ratio Lower Upper
75 100
53 87.1 69.8 104.8
89 46.2 39.5 59.3



#82
4-Chlorotoluene
Concen: 49.322 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 91 Resp: 274302
Ion Ratio Lower Upper
91 100
126 35.9 17.5 52.6

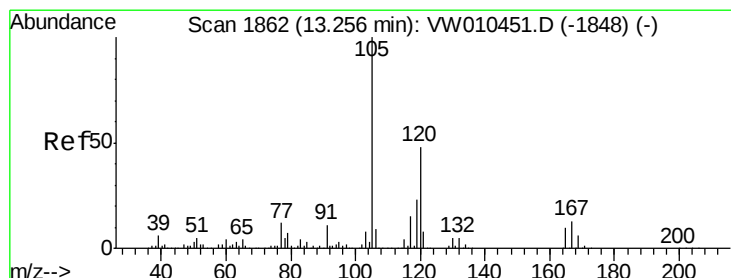
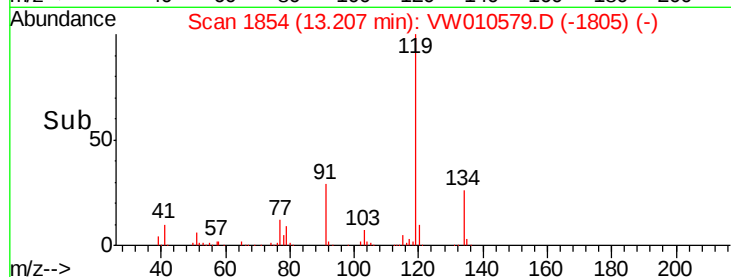
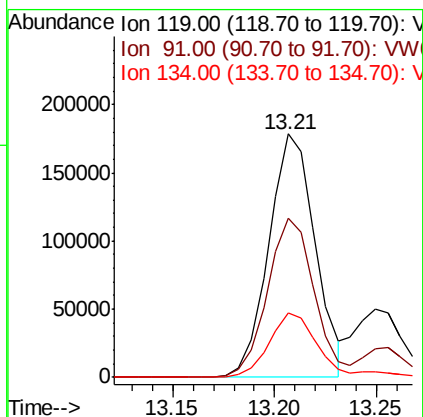
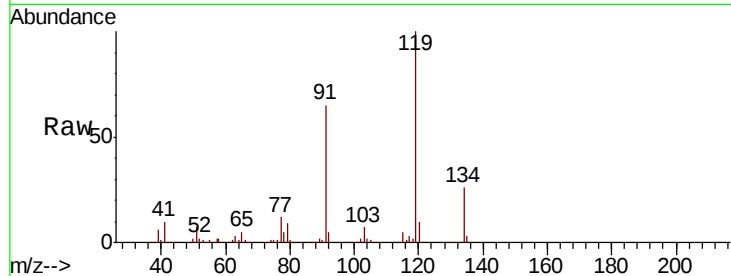




#83
tert-Butylbenzene
Concen: 48.355 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

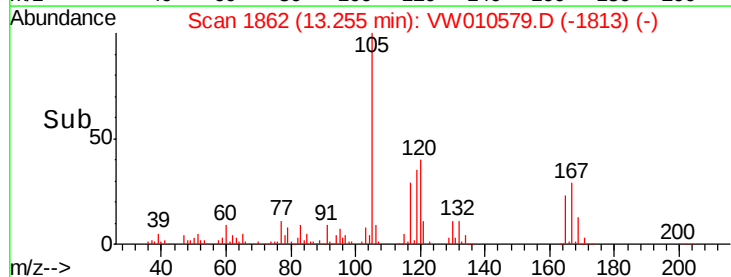
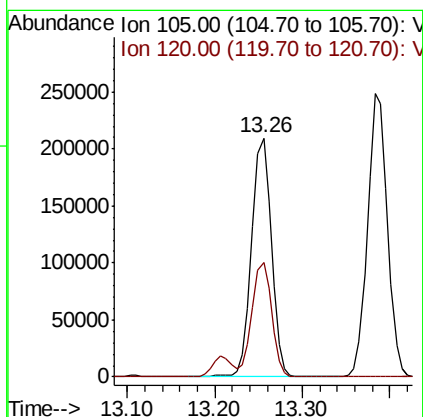
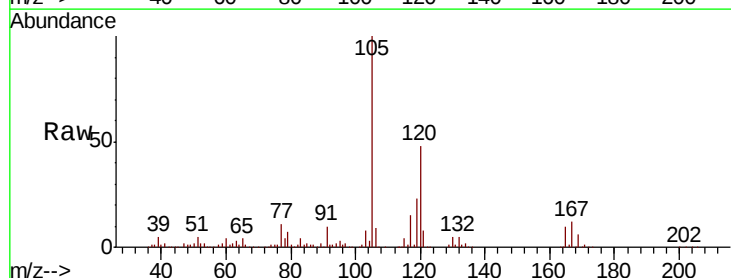
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

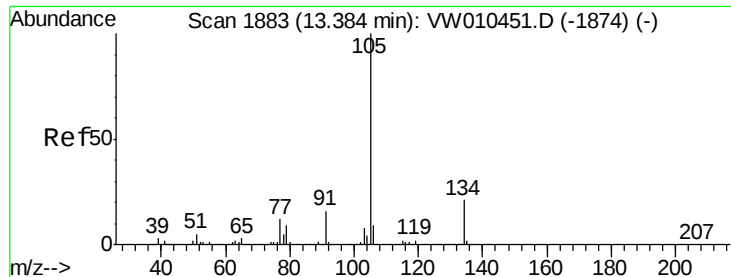
Tot Ion:119 Resp: 283620
Ion Ratio Lower Upper
119 100
91 66.1 33.1 99.5
134 28.3 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 49.272 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion:105 Resp: 329513
Ion Ratio Lower Upper
105 100
120 47.6 23.4 70.2





#85

sec-Butylbenzene

Concen: 47.939 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

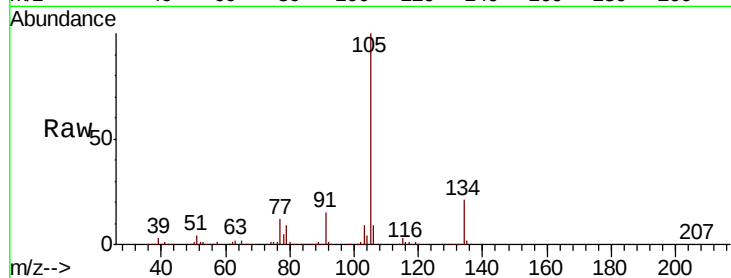
VSTDCCC050EC

Tot Ion:105 Resp: 393494

Ion Ratio Lower Upper

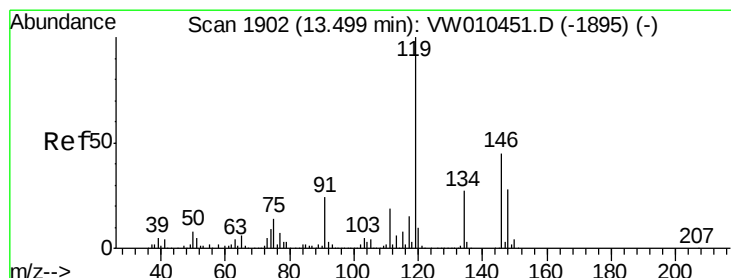
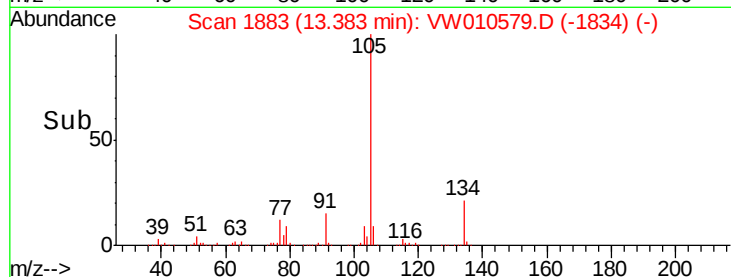
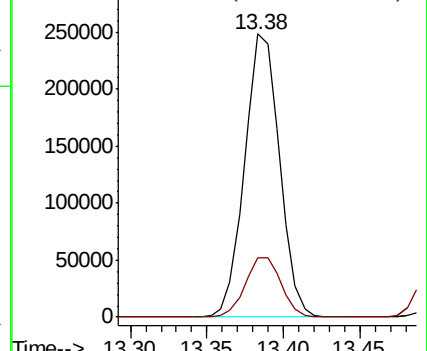
105 100

134 21.6 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.372 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

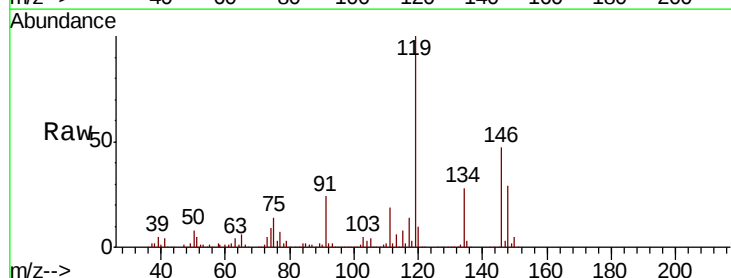
Tgt Ion:119 Resp: 359381

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.7

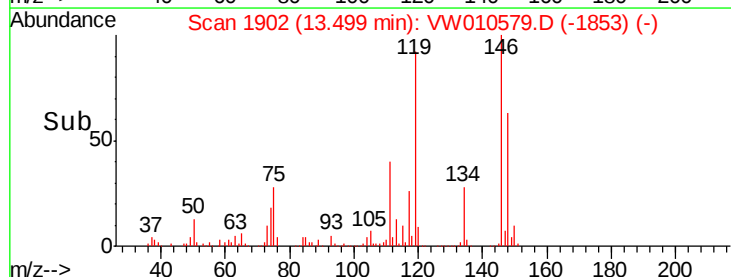
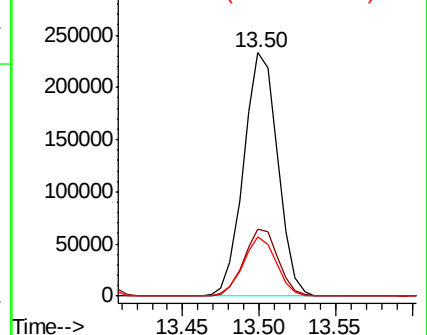
91 23.5 11.9 35.7

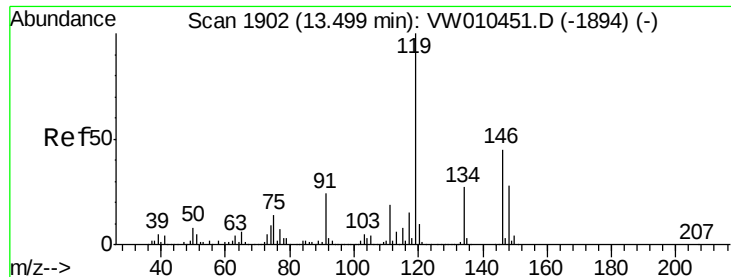


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

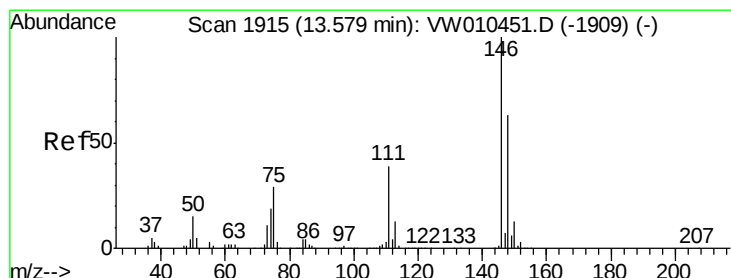
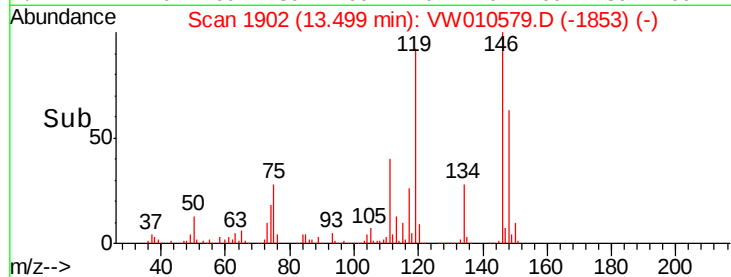
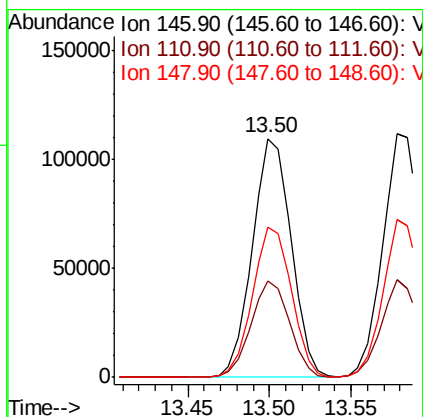
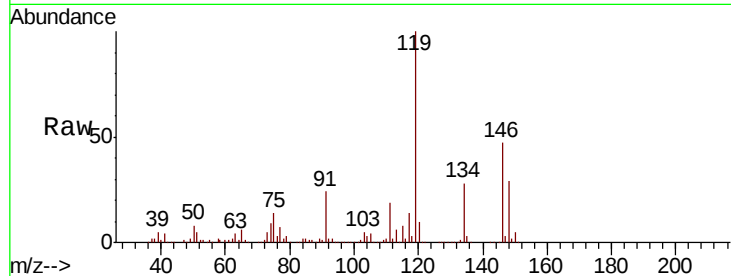




#87
 1,3-Dichlorobenzene
 Concen: 52.056 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

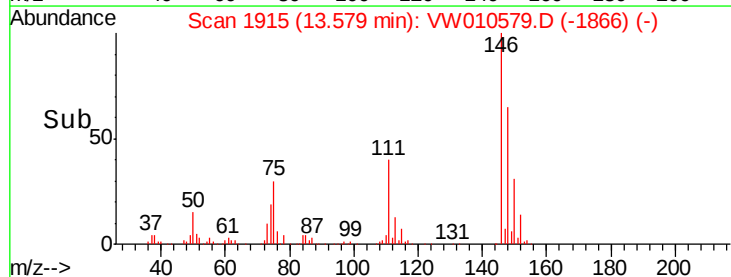
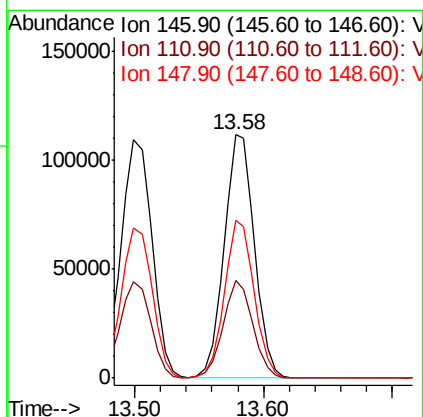
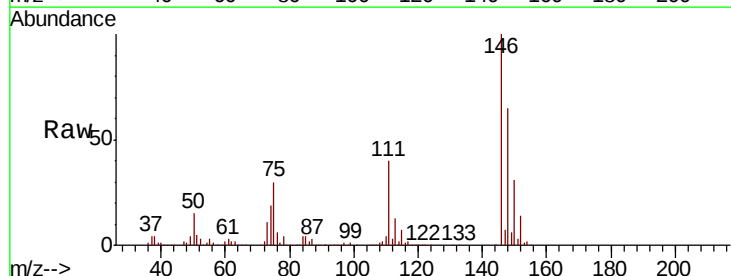
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

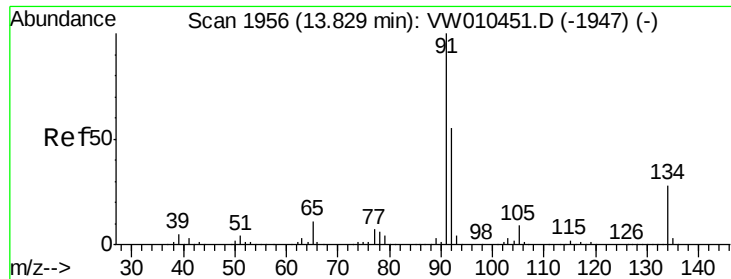
Tot Ion:146 Resp: 181198
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.3 60.9
 148 63.0 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 52.563 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion:146 Resp: 183570
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.9 59.6
 148 63.5 31.6 94.8





#89

n-Butylbenzene

Concen: 47.118 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

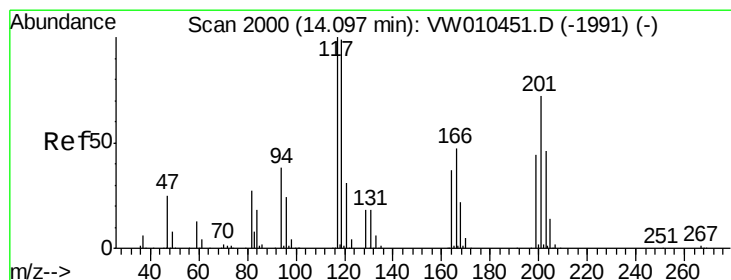
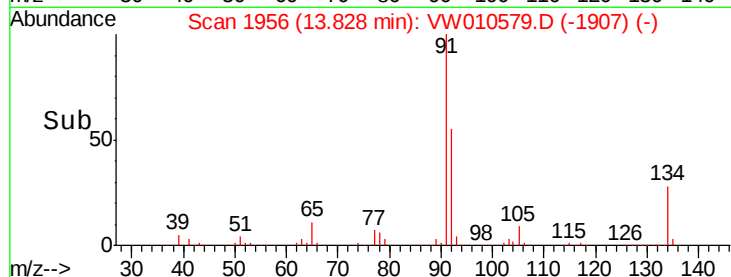
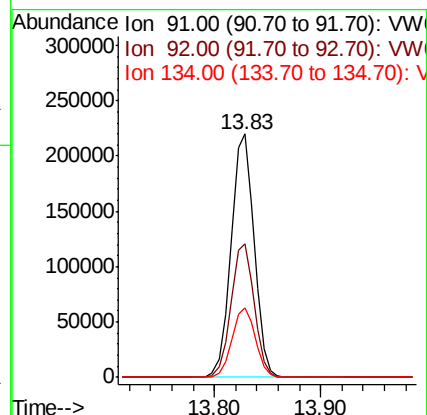
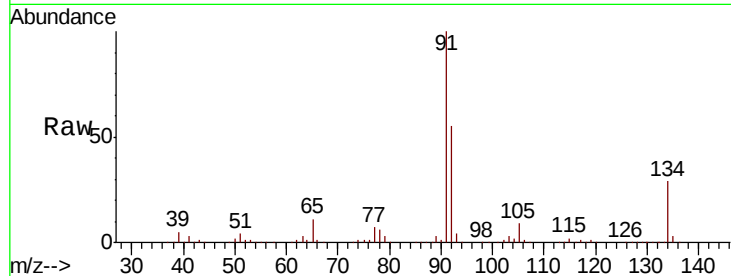
Tot Ion: 91 Resp: 332973

Ion Ratio Lower Upper

91 100

92 55.3 27.7 83.1

134 28.9 13.9 41.6



#90

Hexachloroethane

Concen: 49.081 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010579.D

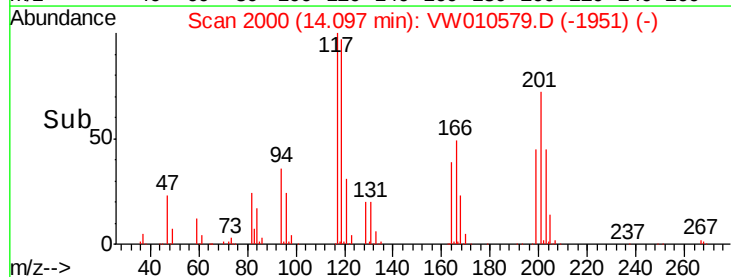
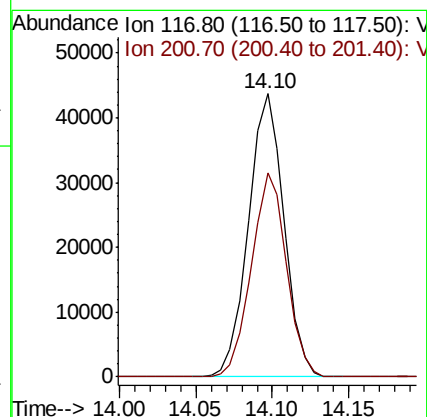
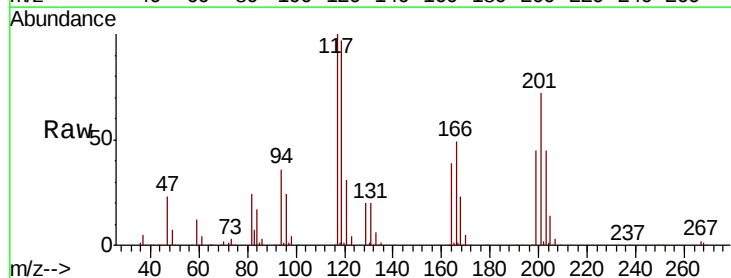
Acq: 28 May 2019 21:07

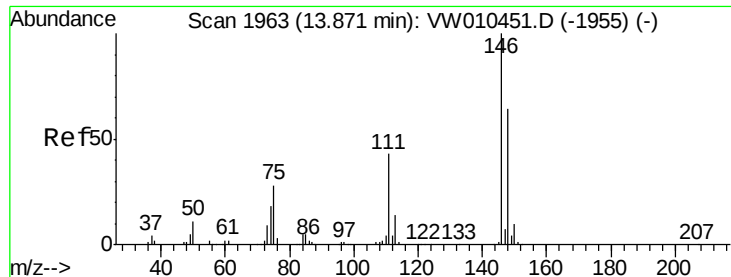
Tgt Ion: 117 Resp: 70580

Ion Ratio Lower Upper

117 100

201 71.3 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 53.488 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

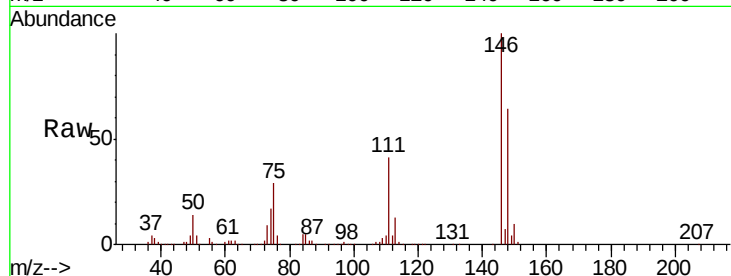
Tot Ion:146 Resp: 169643

Ion Ratio Lower Upper

146 100

111 41.5 21.3 64.0

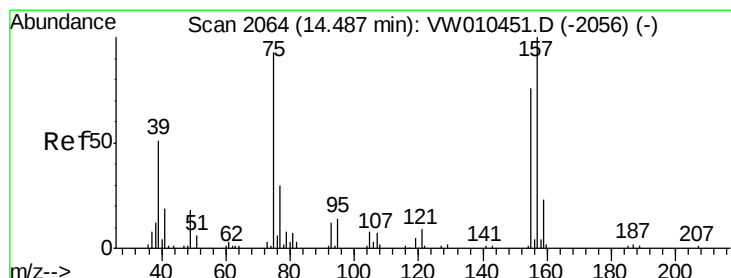
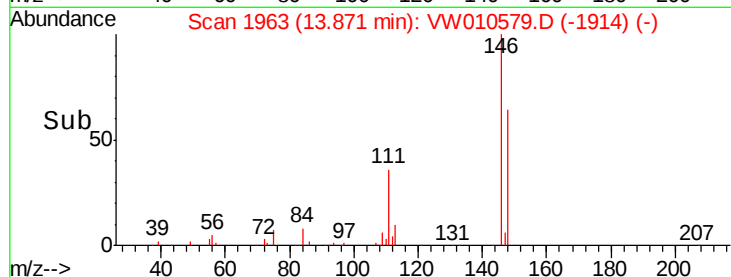
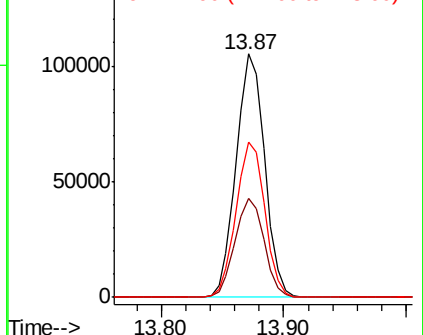
148 64.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.500 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

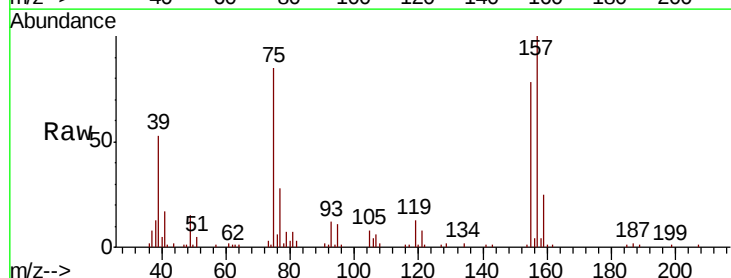
Tgt Ion: 75 Resp: 13809

Ion Ratio Lower Upper

75 100

155 91.6 43.0 129.0

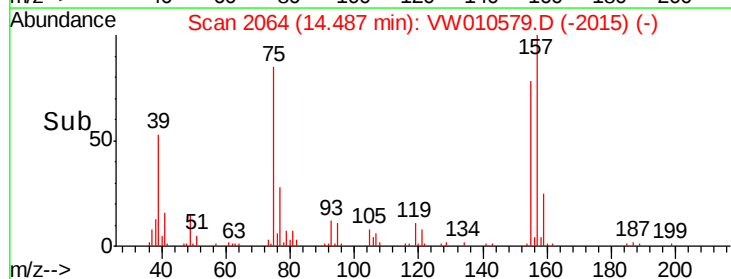
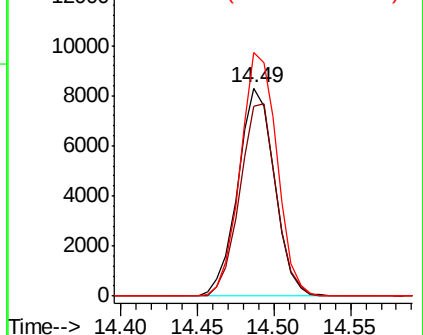
157 116.9 55.7 167.1

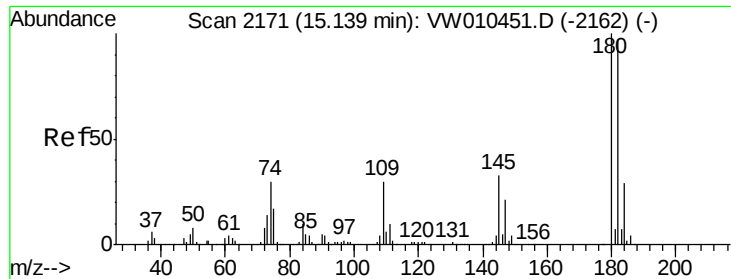


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

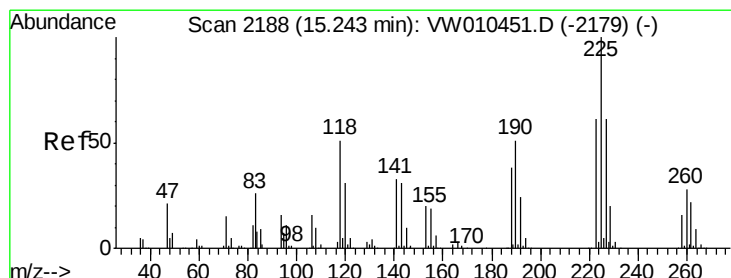
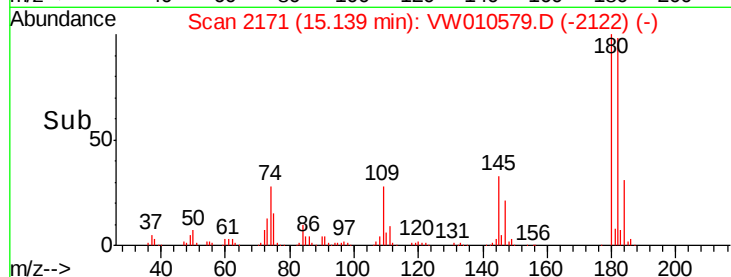
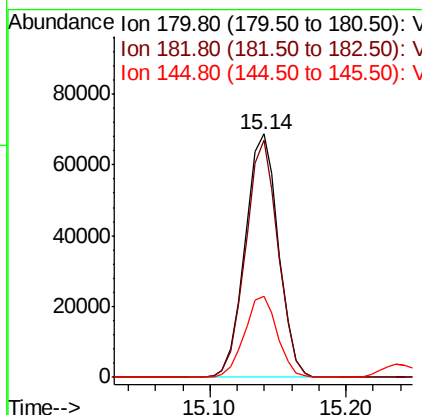
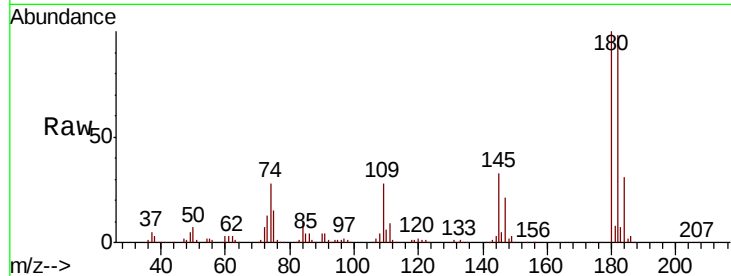




#93
 1,2,4-Trichlorobenzene
 Concen: 54.675 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

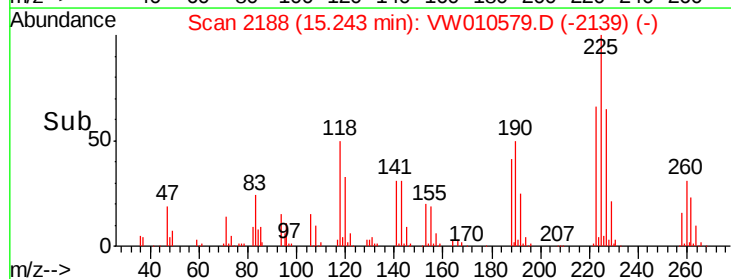
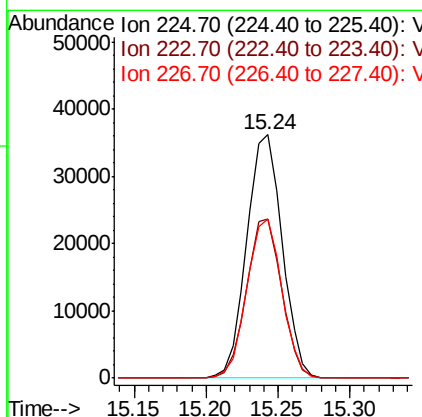
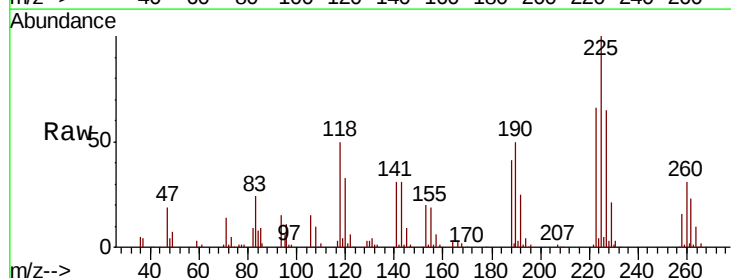
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

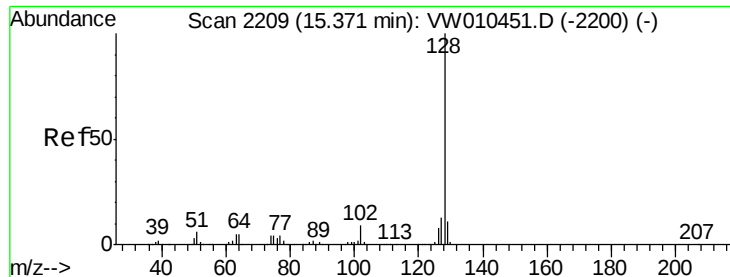
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.0	141.2
145	32.7	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 53.304 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.1	93.2
227	64.6	31.1	93.5

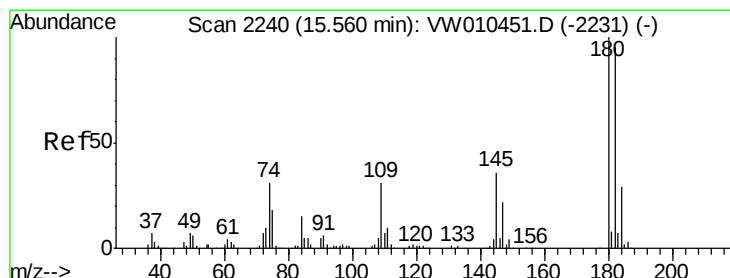
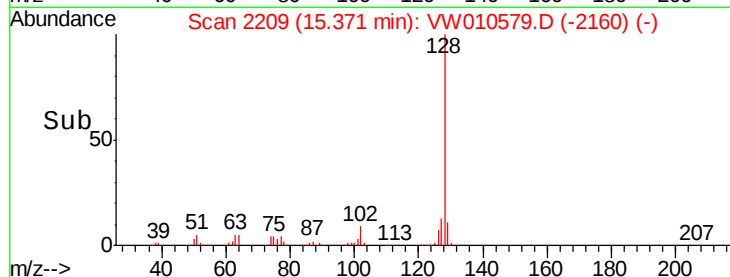
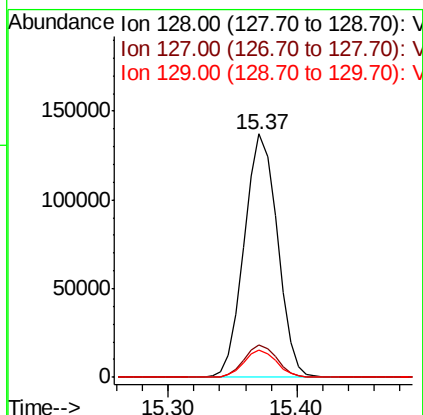
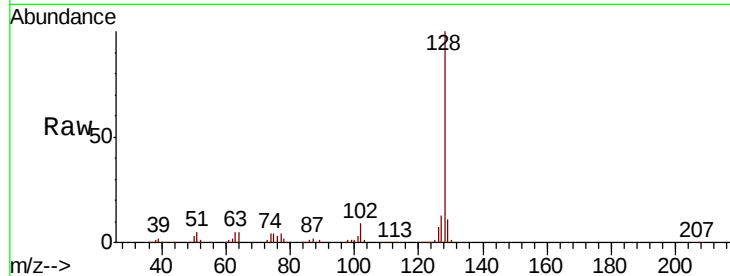




#95
Naphthalene
Concen: 53.932 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	11.0	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 56.228 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	35.2	17.4	52.3

