

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
 Data File : VW016203.D
 Acq On : 14 Aug 2020 20:04
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 17 08:13:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	262821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	452049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131021	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	7.88	113	134277	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	10.32	98	527716	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.62	95	193588	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	96589	54.042	ug/l	93
3) Chloromethane	2.21	50	97850	51.420	ug/l	95
4) Vinyl Chloride	2.37	62	133791	50.231	ug/l	97
5) Bromomethane	2.78	94	92609	55.921	ug/l	100
6) Chloroethane	2.93	64	80919	53.796	ug/l	95
7) Trichlorofluoromethane	3.26	101	98467	45.665	ug/l	97
8) Diethyl Ether	3.68	74	75963	56.139	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	138664	49.041	ug/l	99
10) Methyl Iodide	4.26	142	213396	52.233	ug/l	99
11) Tert butyl alcohol	5.18	59	46955	344.227	ug/l #	80
12) 1,1-Dichloroethene	4.03	96	144718	50.295	ug/l	99
13) Acrolein	3.89	56	48667	246.987	ug/l	97
14) Allyl chloride	4.67	41	209678	54.387	ug/l	99
15) Acrylonitrile	5.37	53	159379	312.593	ug/l	99
16) Acetone	4.12	43	127633	259.947	ug/l	99
17) Carbon Disulfide	4.37	76	420007	49.713	ug/l	100
18) Methyl Acetate	4.67	43	68378	59.804	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	216577	61.128	ug/l	98
20) Methylene Chloride	4.91	84	177672	59.159	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	160257	51.145	ug/l	97
22) Diisopropyl ether	6.31	45	412076	56.698	ug/l	98
23) Vinyl Acetate	6.26	43	1251193	300.648	ug/l	99
24) 1,1-Dichloroethane	6.21	63	262425	51.733	ug/l	99
25) 2-Butanone	7.17	43	193995	294.816	ug/l	98
26) 2,2-Dichloropropane	7.17	77	150173	45.830	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	175400	54.231	ug/l	98
28) Bromochloromethane	7.51	49	103998	54.038	ug/l	100
29) Tetrahydrofuran	7.53	42	128192	325.904	ug/l	100
30) Chloroform	7.68	83	270604	51.342	ug/l	96
31) Cyclohexane	7.95	56	231867	49.572	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	222444	50.234	ug/l	99
36) 1,1-Dichloropropene	8.09	75	212520	47.722	ug/l	99
37) Ethyl Acetate	7.26	43	88696	58.091	ug/l	99
38) Carbon Tetrachloride	8.07	117	208949	47.017	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	275493	51.358	ug/l	99
40) Benzene	8.32	78	618850	49.397	ug/l	99
41) Methacrylonitrile	7.48	41	54453	62.489	ug/l	97
42) 1,2-Dichloroethane	8.40	62	166952	50.458	ug/l	98
43) Isopropyl Acetate	8.43	43	170213	59.255	ug/l	99
44) Trichloroethene	9.09	130	163902	46.193	ug/l	98
45) 1,2-Dichloropropane	9.37	63	150797	51.062	ug/l	98
46) Dibromomethane	9.46	93	81018	52.255	ug/l	97
47) Bromodichloromethane	9.65	83	204302	51.002	ug/l	96
48) Methyl methacrylate	9.44	41	79254	59.349	ug/l	99
49) 1,4-Dioxane	9.45	88	25749	1318.901	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	436017	300.113	ug/l	99
52) Toluene	10.39	92	398037	49.617	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	200458	54.046	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	243855	52.900	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	116907	52.551	ug/l	99
56) Ethyl methacrylate	10.65	69	155354	61.236	ug/l	99
57) 1,3-Dichloropropane	10.93	76	199653	52.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	294213	254.359	ug/l	100
59) 2-Hexanone	10.97	43	297306	299.131	ug/l	98
60) Dibromochloromethane	11.13	129	138948	52.504	ug/l	100
61) 1,2-Dibromoethane	11.24	107	115058	53.727	ug/l	99
64) Tetrachloroethene	10.87	164	132729	49.397	ug/l	91
65) Chlorobenzene	11.66	112	426623	50.829	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	148468	50.605	ug/l	99
67) Ethyl Benzene	11.73	91	774675	51.355	ug/l	100
68) m/p-Xylenes	11.84	106	590583	101.858	ug/l	100
69) o-Xylene	12.17	106	277360	53.694	ug/l	100
70) Styrene	12.18	104	476096	53.263	ug/l	100
71) Bromoform	12.35	173	73947	56.318	ug/l #	94
73) Isopropylbenzene	12.46	105	746600	51.281	ug/l	100
74) N-amyl acetate	12.27	43	160289	61.477	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	131356	53.919	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	166453	94.732	ug/l	29
77) Bromobenzene	12.75	156	166207	51.613	ug/l	98
78) n-propylbenzene	12.80	91	891910	51.323	ug/l	100
79) 2-Chlorotoluene	12.90	91	513959	51.198	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	642096	51.376	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	42444	57.941	ug/l	96
82) 4-Chlorotoluene	12.99	91	525638	50.296	ug/l	99
83) tert-Butylbenzene	13.21	119	535470	52.278	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	646145	52.246	ug/l	98
85) sec-Butylbenzene	13.38	105	770095	51.729	ug/l	100
86) p-Isopropyltoluene	13.50	119	704321	52.308	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	316540	49.083	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	326676	51.442	ug/l	98
89) n-Butylbenzene	13.82	91	657240	52.762	ug/l	99
90) Hexachloroethane	14.09	117	128476	51.128	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	285707	50.815	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22138	59.115	ug/l	96

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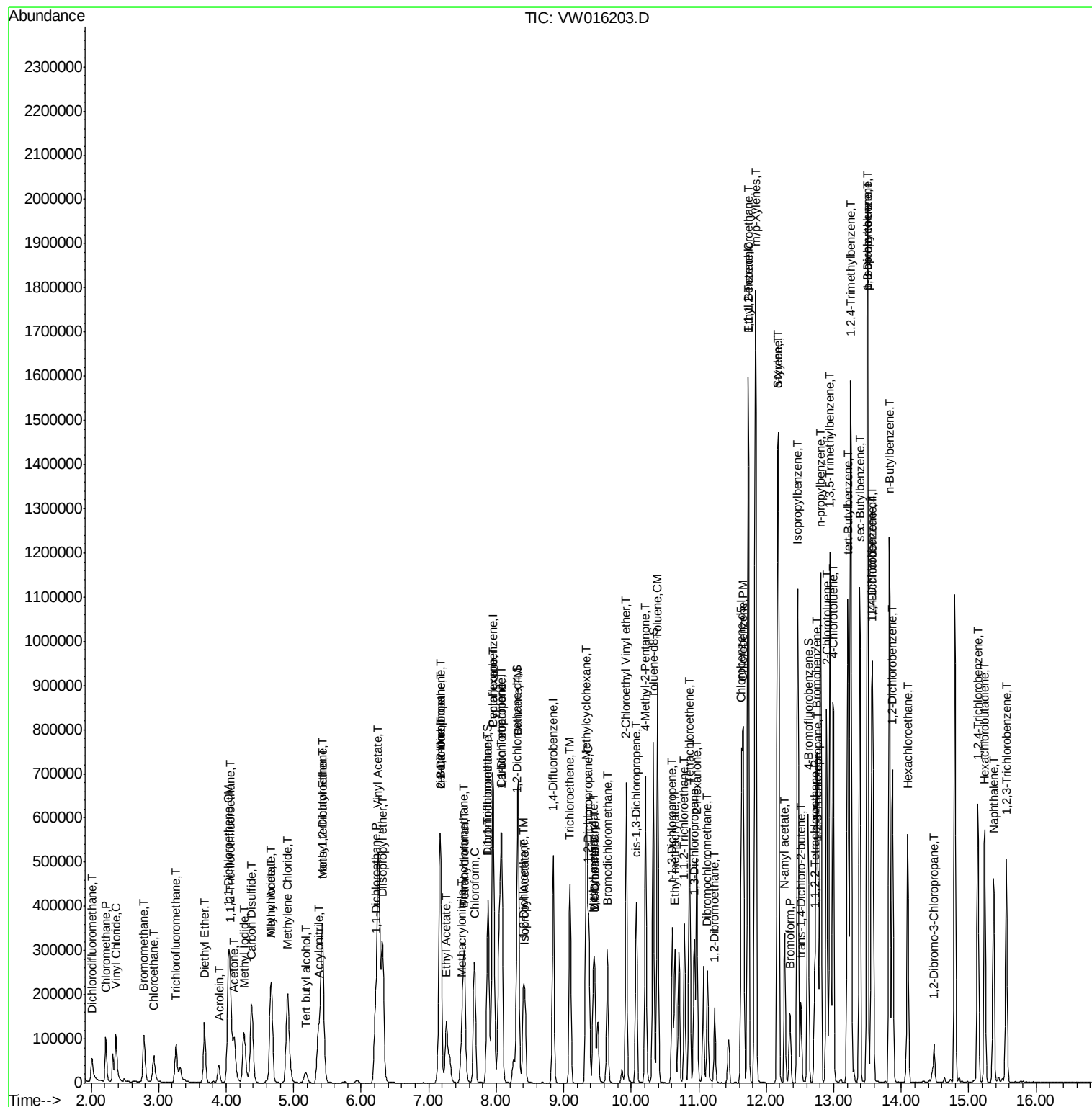
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	199351	59.456	ug/l	100
94) Hexachlorobutadiene	15.24	225	106062	53.206	ug/l	98
95) Naphthalene	15.36	128	406489	57.262	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	174769	60.696	ug/l	97

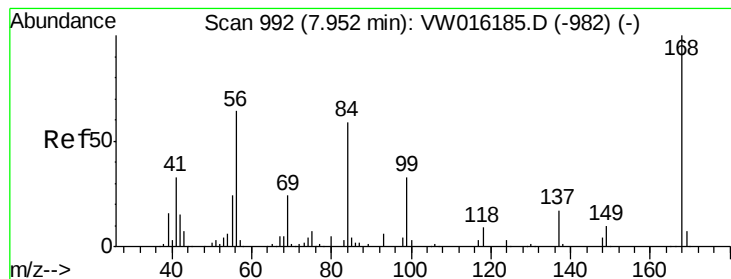
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

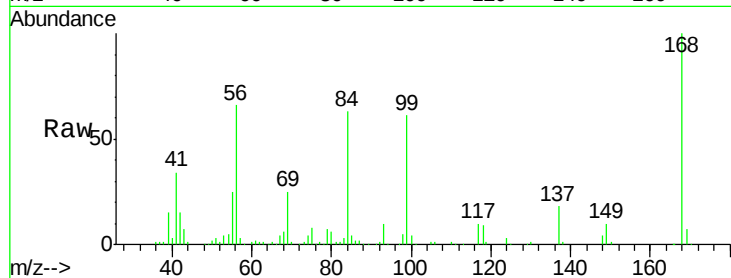
VSTDCCC050EC

Tgt Ion: 168 Resp: 262821

Ion Ratio Lower Upper

168 100

99 61.3 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

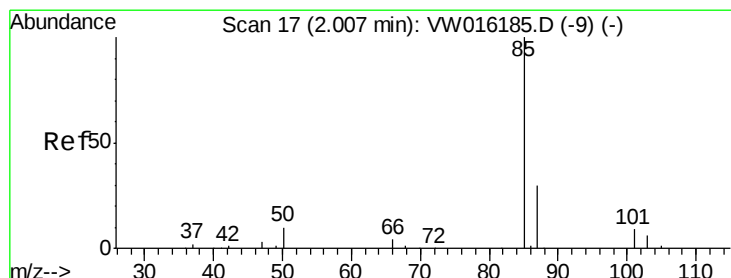
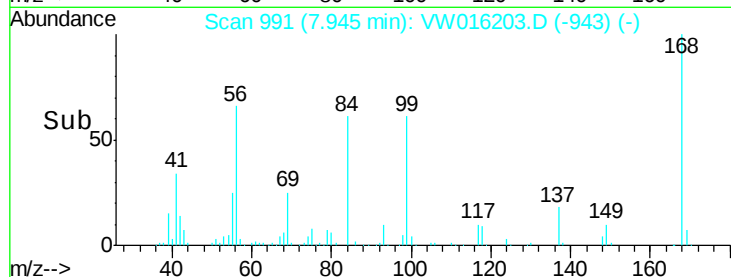
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 54.042 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016203.D

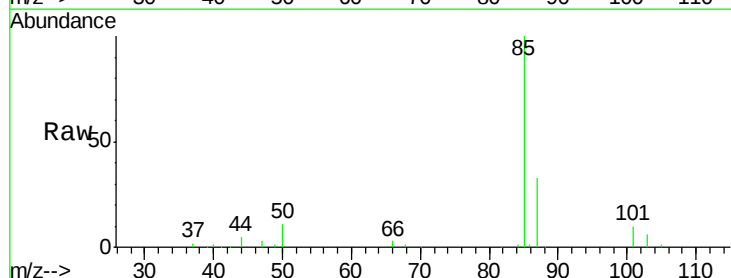
Acq: 14 Aug 2020 20:04

Tgt Ion: 85 Resp: 96589

Ion Ratio Lower Upper

85 100

87 33.2 14.9 44.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

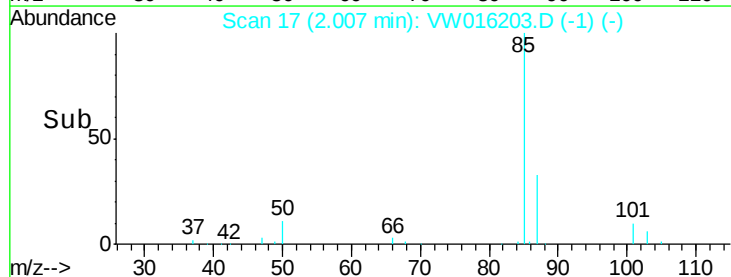
30000

20000

10000

0

Time--> 1.90 2.00 2.10 2.20 2.30

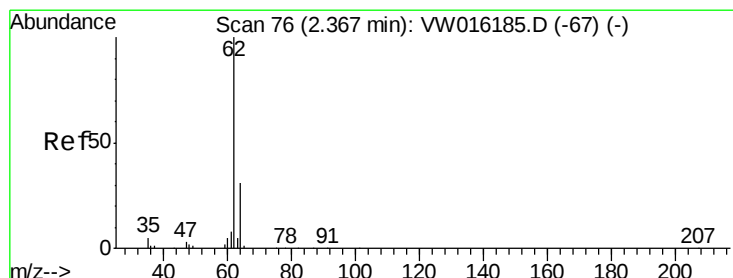
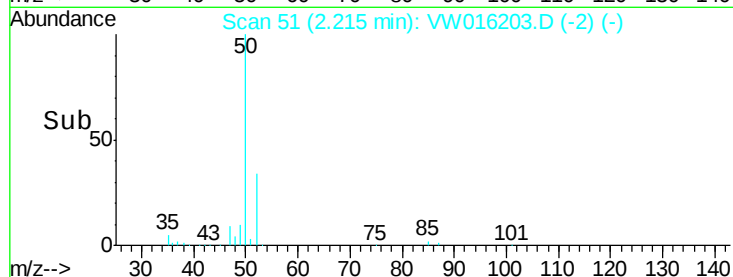
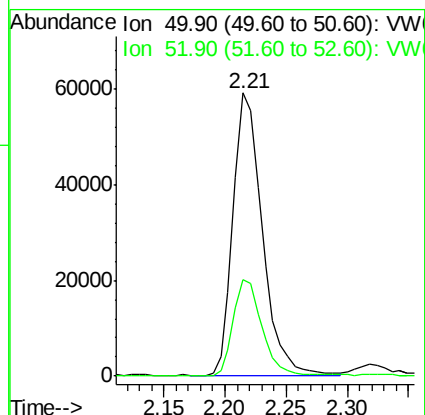
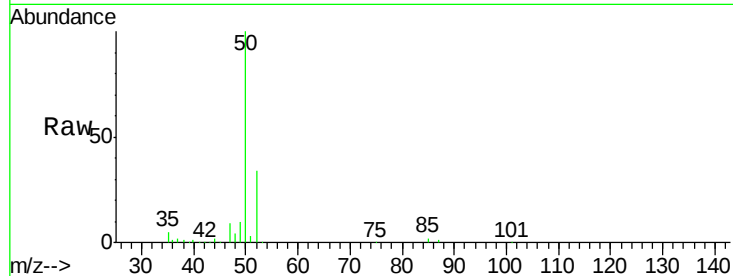




#3
Chloromethane
Concen: 51.420 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

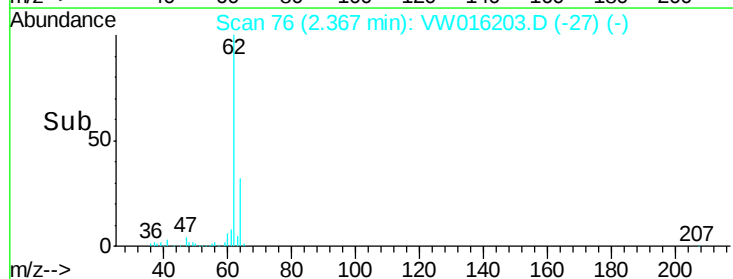
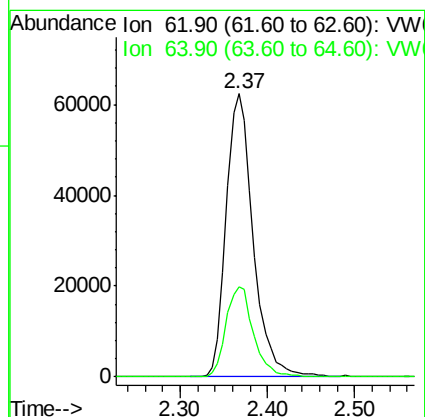
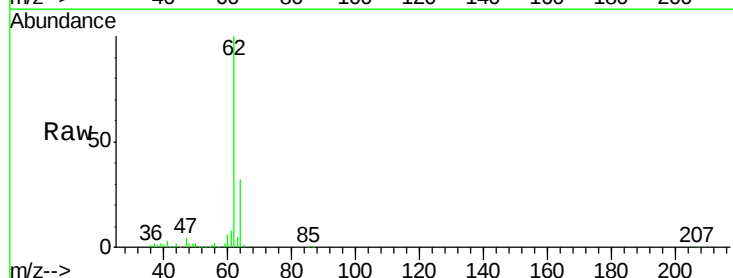
Instrument :
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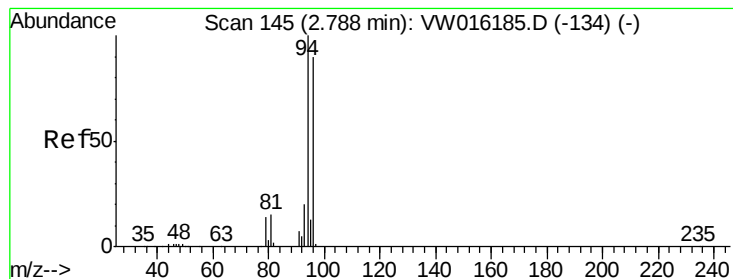
Tgt Ion: 50 Resp: 97850
Ion Ratio Lower Upper
50 100
52 34.2 25.3 37.9



#4
Vinyl Chloride
Concen: 50.231 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 62 Resp: 133791
Ion Ratio Lower Upper
62 100
64 32.0 24.5 36.7





#5

Bromomethane

Concen: 55.921 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

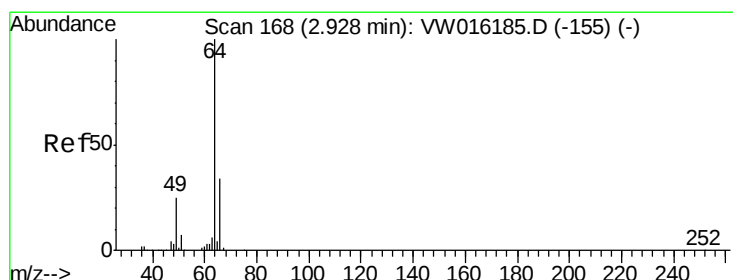
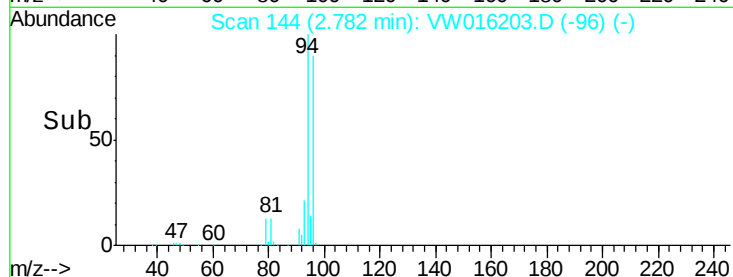
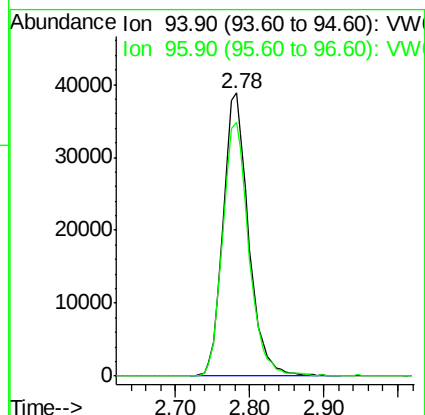
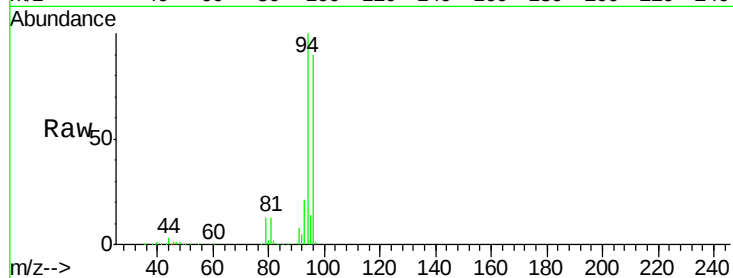
VSTDCCC050EC

Tgt Ion: 94 Resp: 92609

Ion Ratio Lower Upper

94 100

96 89.7 71.8 107.6



#6

Chloroethane

Concen: 53.796 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016203.D

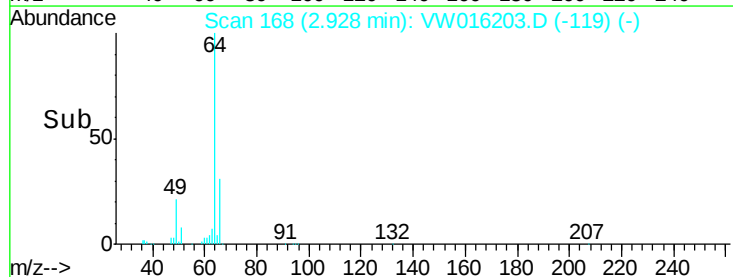
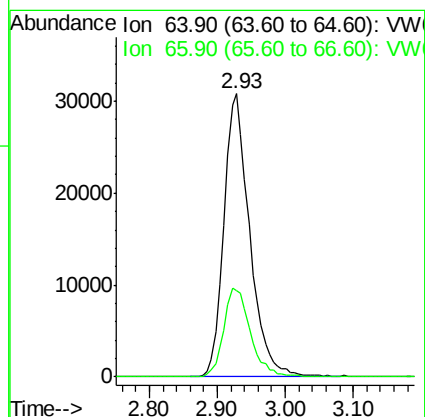
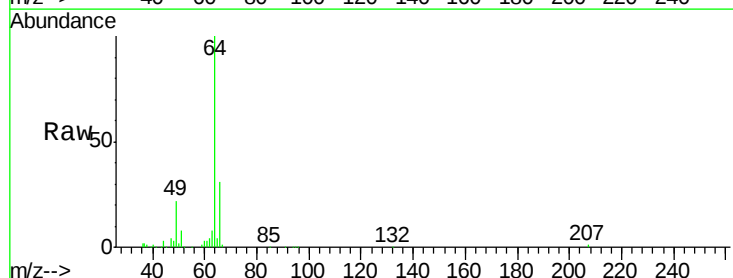
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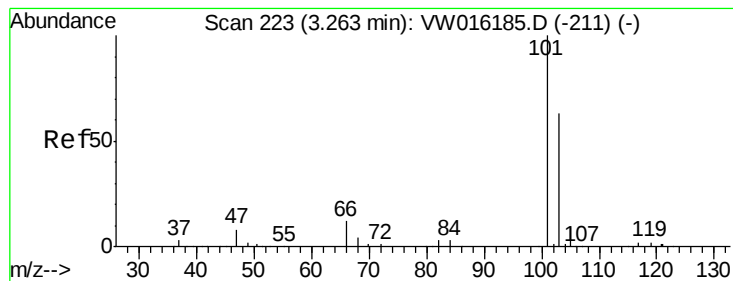
Tgt Ion: 64 Resp: 80919

Ion Ratio Lower Upper

64 100

66 30.6 26.9 40.3



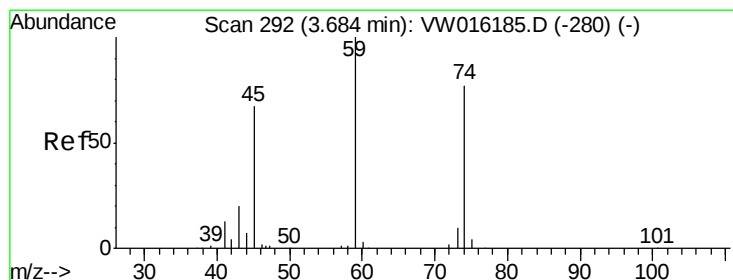
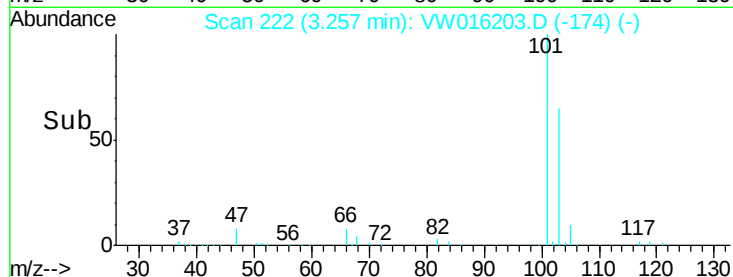
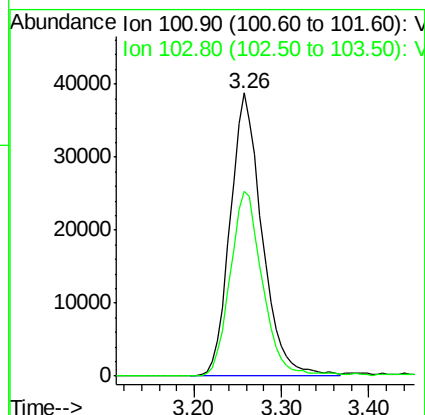
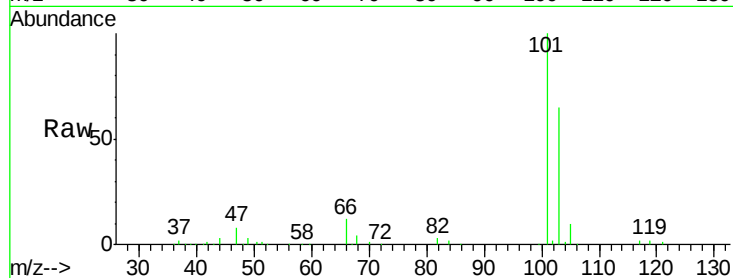


#7

Trichlorofluoromethane
Concen: 45.665 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Instrument :
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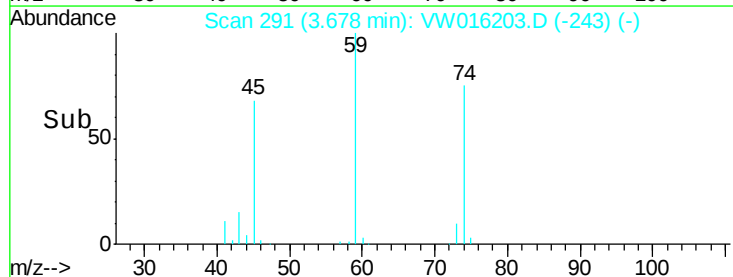
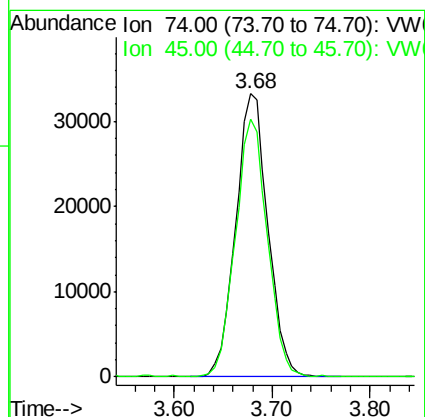
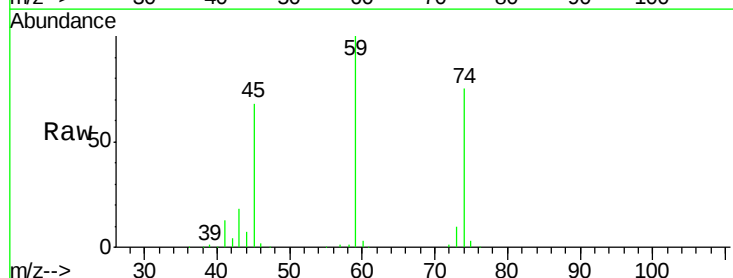
Tgt Ion: 101 Resp: 98467
Ion Ratio Lower Upper
101 100
103 65.1 50.4 75.6

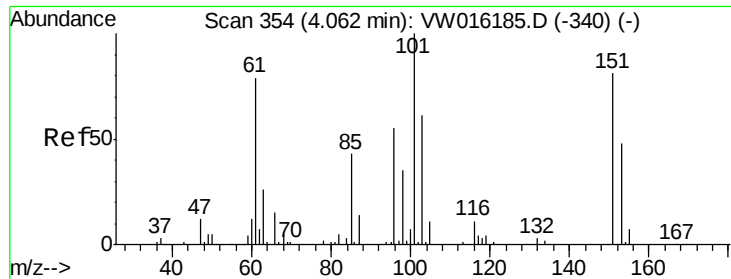


#8

Diethyl Ether
Concen: 56.139 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 74 Resp: 75963
Ion Ratio Lower Upper
74 100
45 90.2 45.9 137.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.041 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

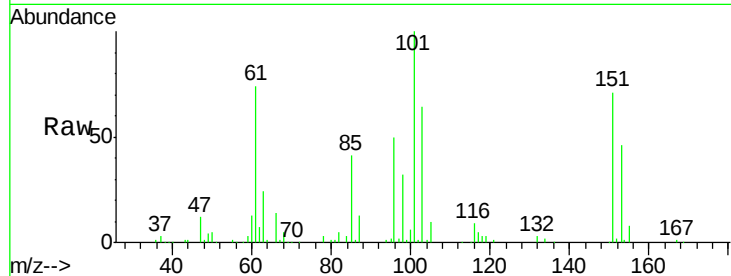
Tgt Ion:101 Resp: 138664

Ion Ratio Lower Upper

101 100

85 41.7 33.3 49.9

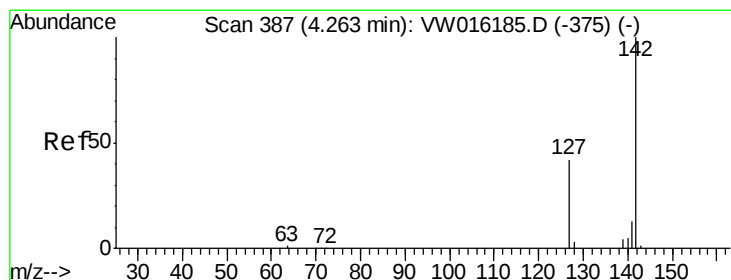
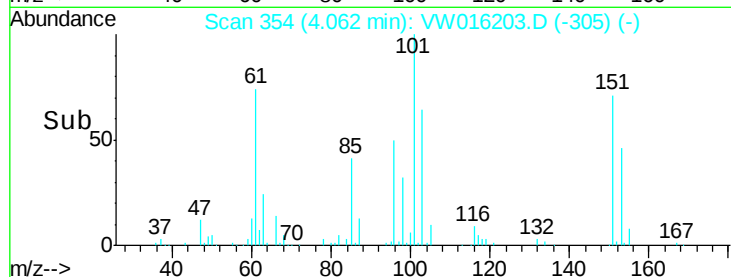
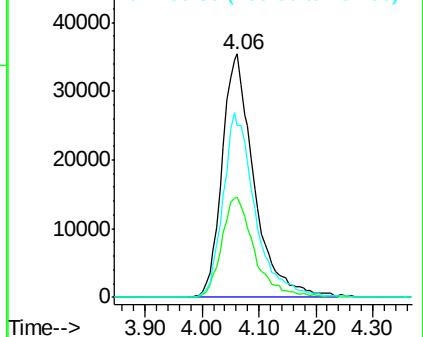
151 75.8 61.1 91.7



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: 52.233 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

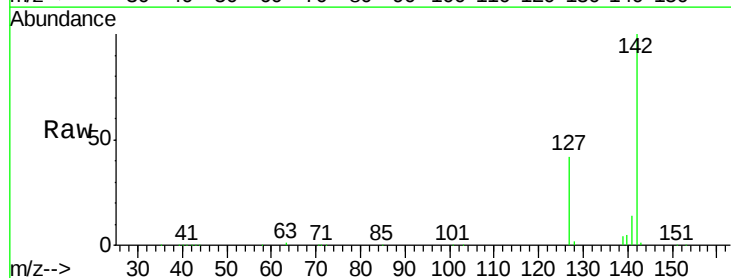
Tgt Ion:142 Resp: 213396

Ion Ratio Lower Upper

142 100

127 42.2 34.6 52.0

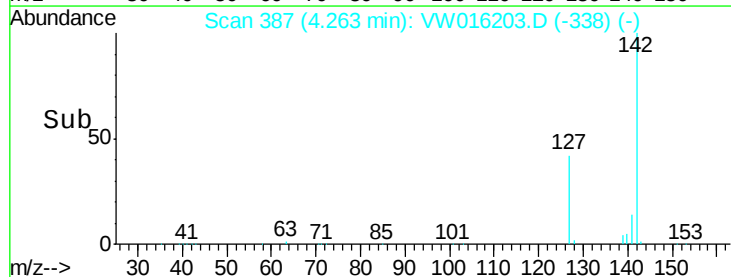
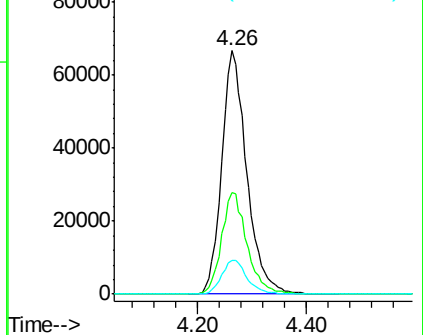
141 14.2 11.4 17.2

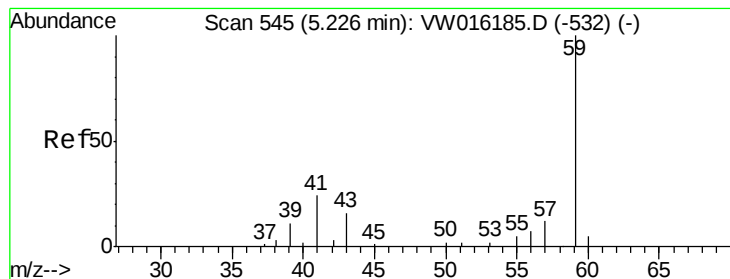


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



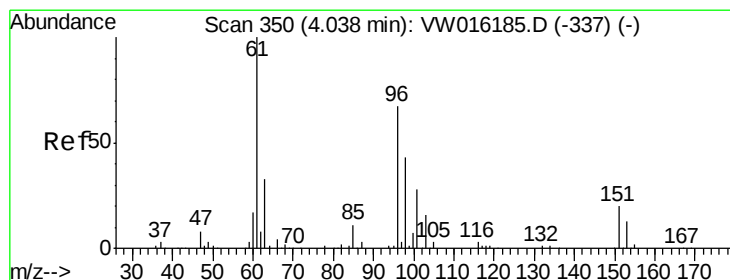
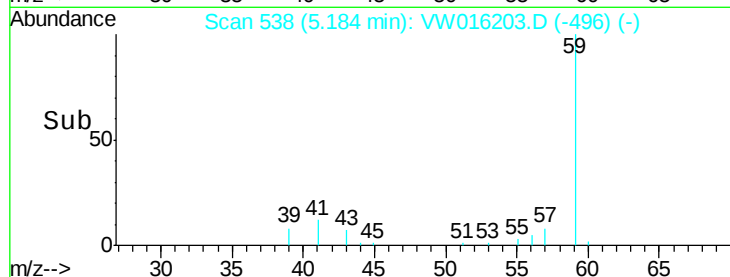
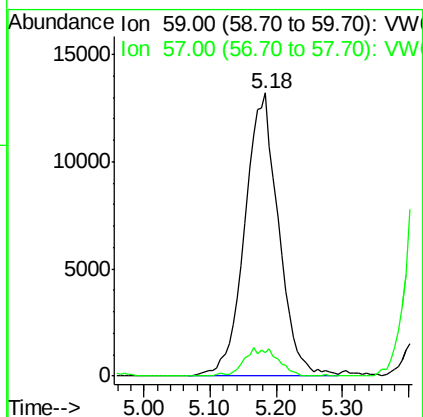
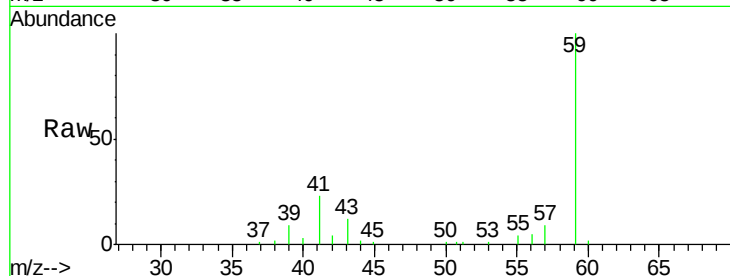


#11

Tert butyl alcohol
 Concen: 344.227 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. -0.04 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

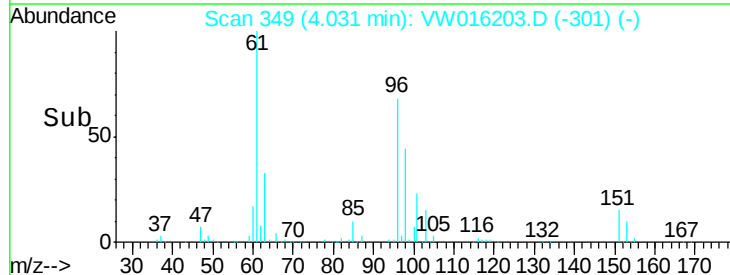
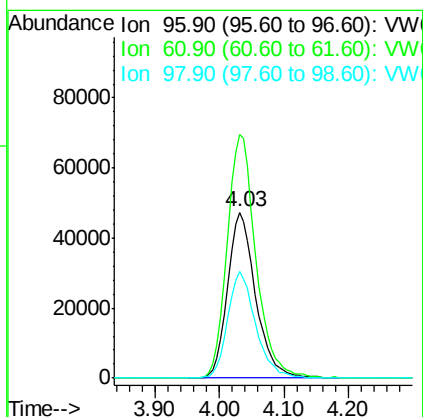
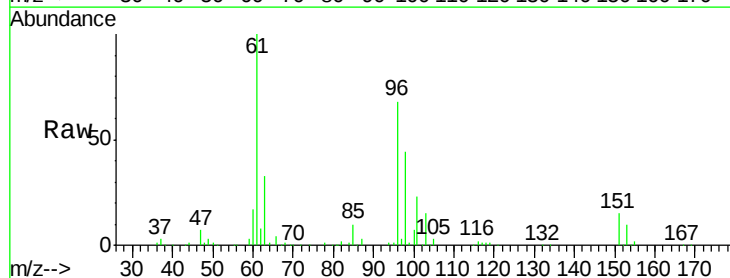
Tgt Ion: 59 Resp: 46955
 Ion Ratio Lower Upper
 59 100
 57 3.7 9.0 13.6#

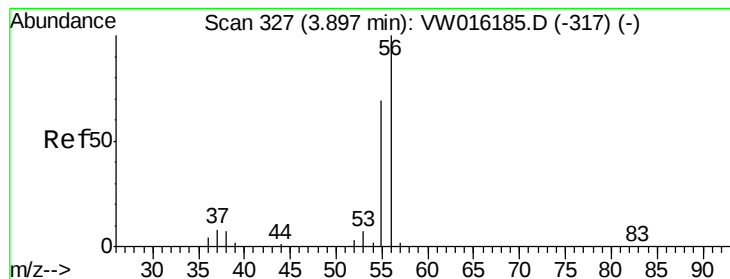


#12

1,1-Dichloroethene
 Concen: 50.295 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Tgt Ion: 96 Resp: 144718
 Ion Ratio Lower Upper
 96 100
 61 146.9 119.5 179.3
 98 64.4 51.3 76.9





#13

Acrolein

Concen: 246.987 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

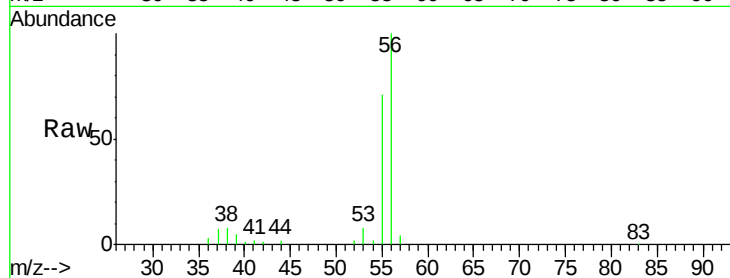
VSTDCCC050EC

Tgt Ion: 56 Resp: 48667

Ion Ratio Lower Upper

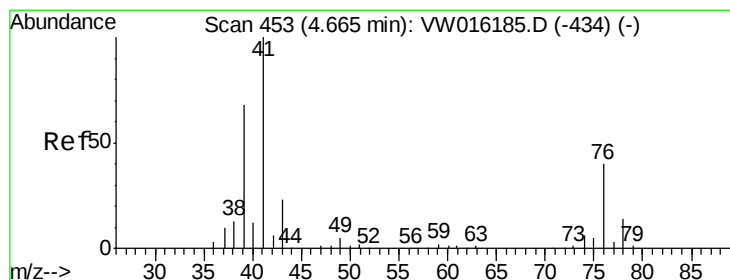
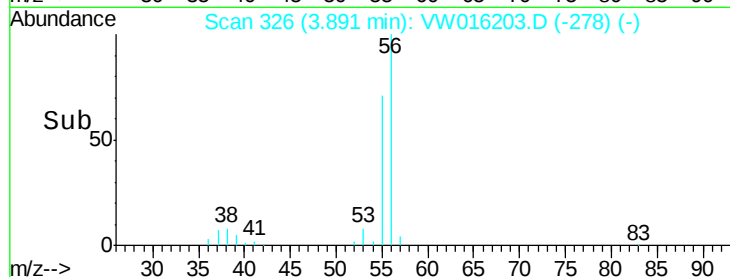
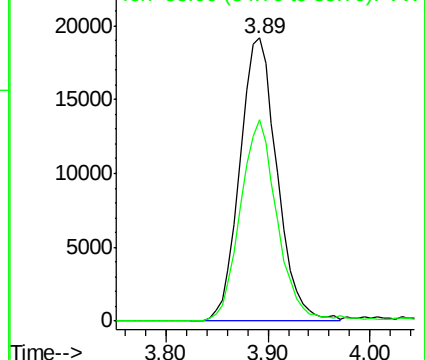
56 100

55 71.3 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 54.387 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

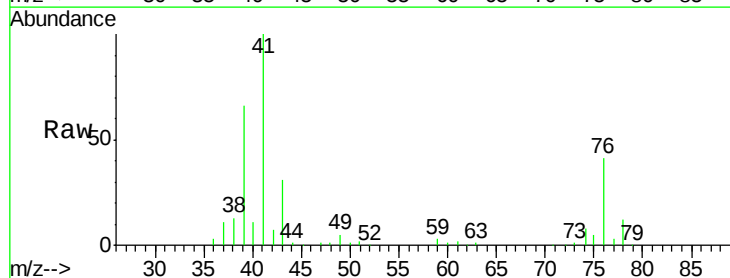
Tgt Ion: 41 Resp: 209678

Ion Ratio Lower Upper

41 100

39 65.5 53.4 80.0

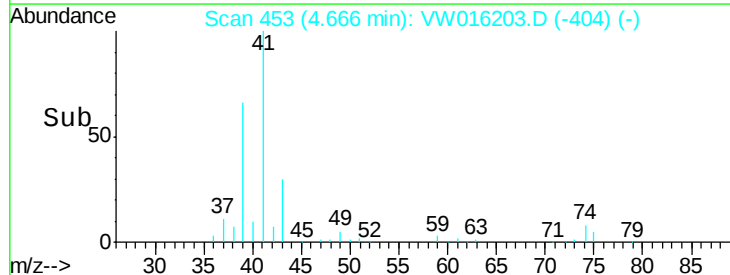
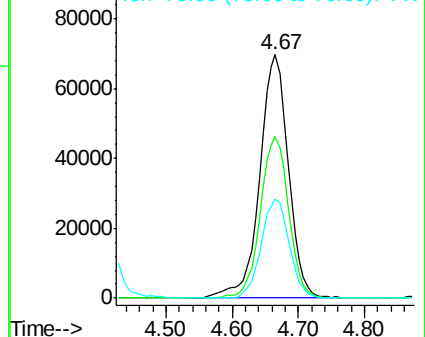
76 40.0 32.0 48.0

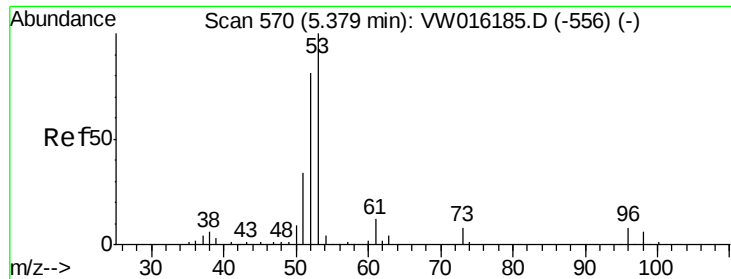


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 312.593 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

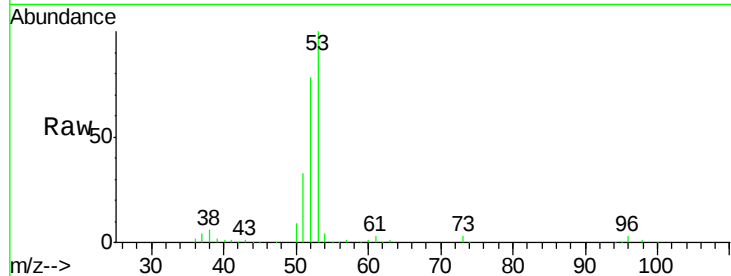
Tgt Ion: 53 Resp: 159379

Ion Ratio Lower Upper

53 100

52 80.7 65.3 97.9

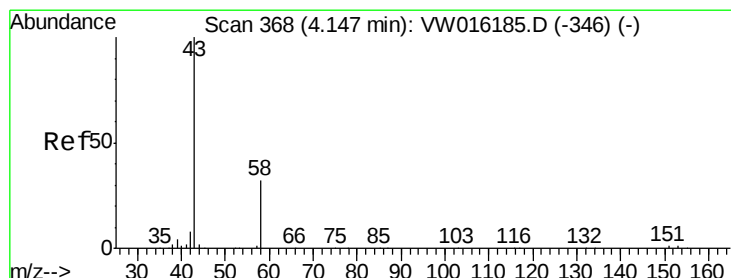
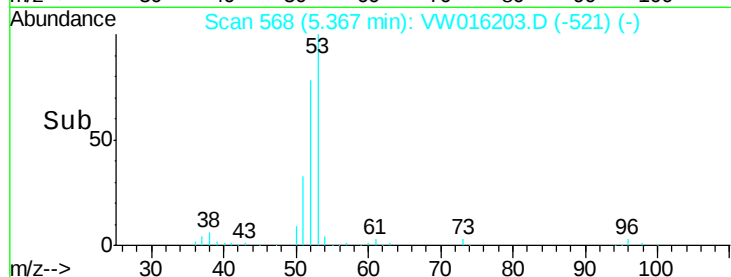
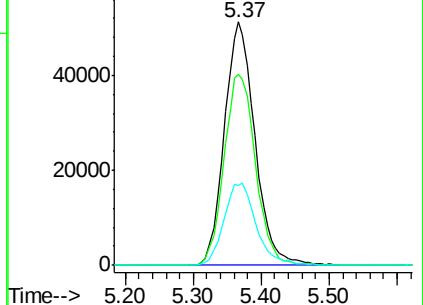
51 35.8 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 259.947 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016203.D

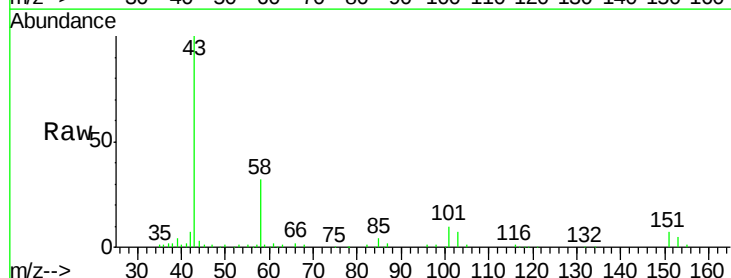
Acq: 14 Aug 2020 20:04

Tgt Ion: 43 Resp: 127633

Ion Ratio Lower Upper

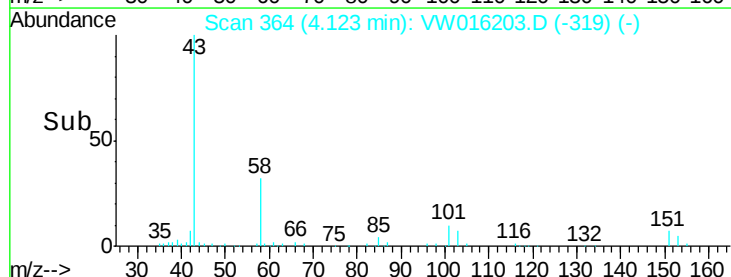
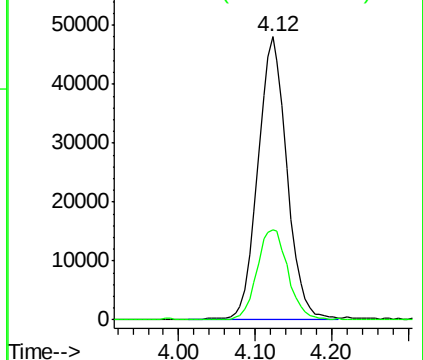
43 100

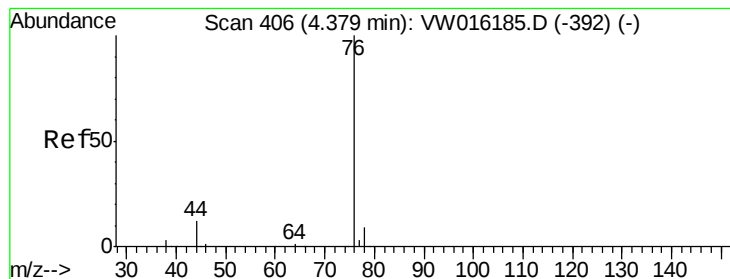
58 31.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 49.713 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

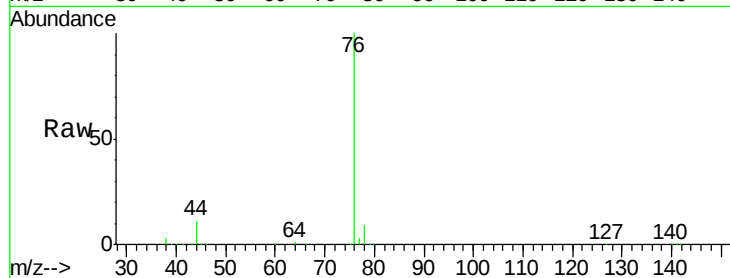
VSTDCCC050EC

Tgt Ion: 76 Resp: 420007

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

150000

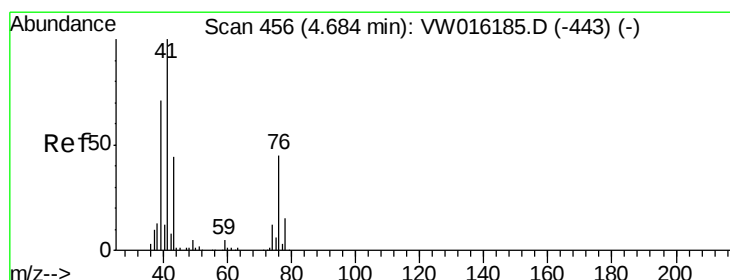
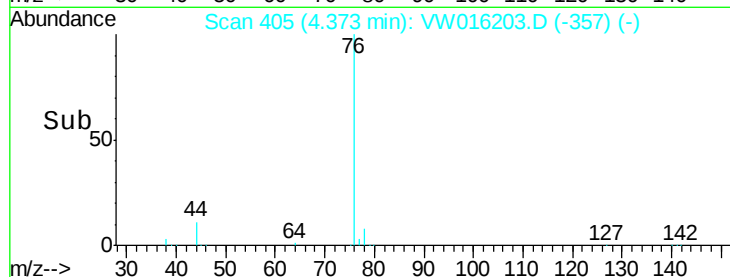
100000

50000

0

Time-->

4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 59.804 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW016203.D

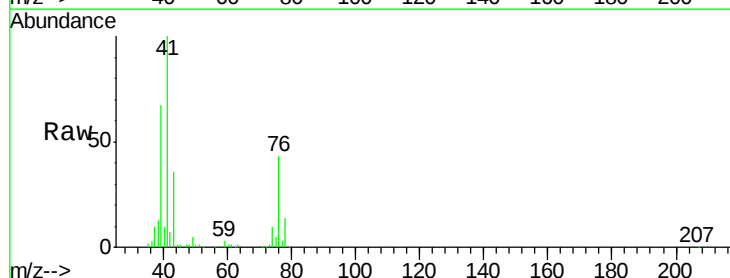
Acq: 14 Aug 2020 20:04

Tgt Ion: 43 Resp: 68378

Ion Ratio Lower Upper

43 100

74 26.4 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

15000

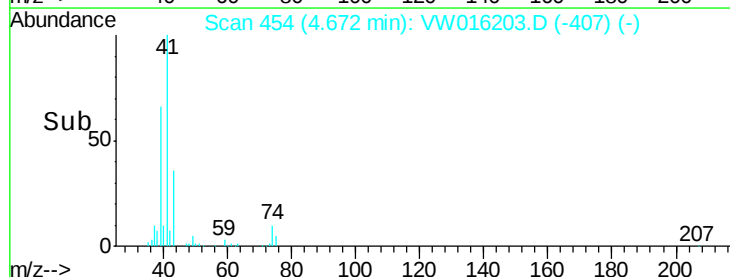
10000

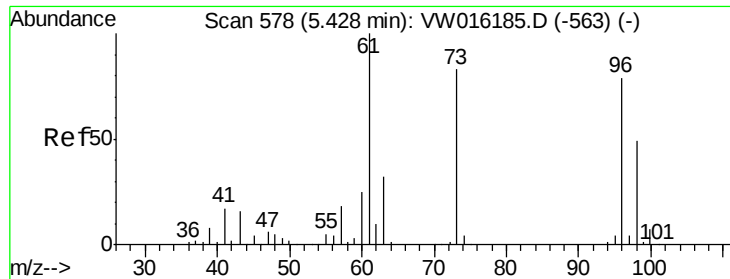
5000

0

Time-->

4.50 4.60 4.70 4.80

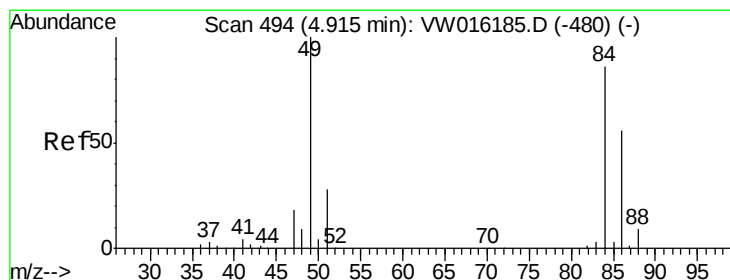
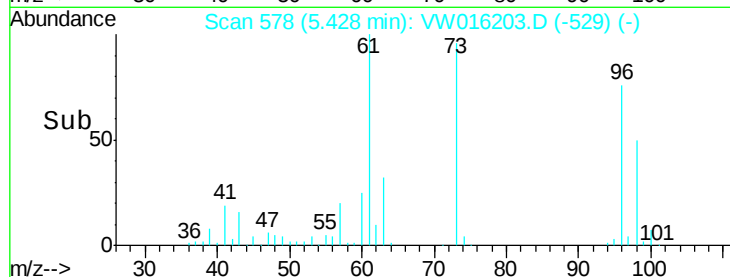
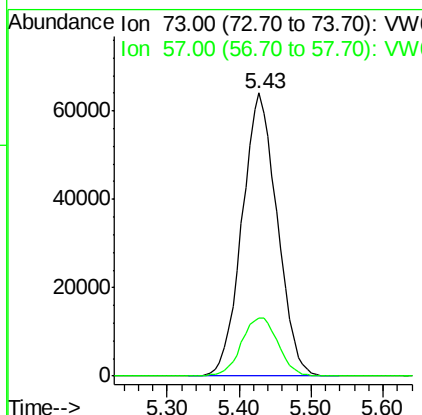
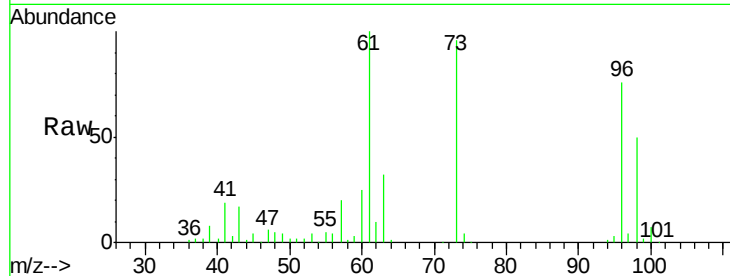




#19
Methyl tert-butyl Ether
Concen: 61.128 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

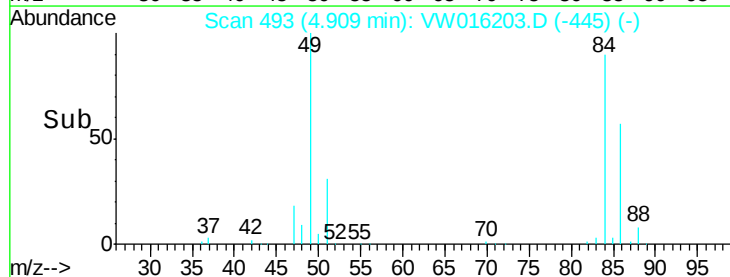
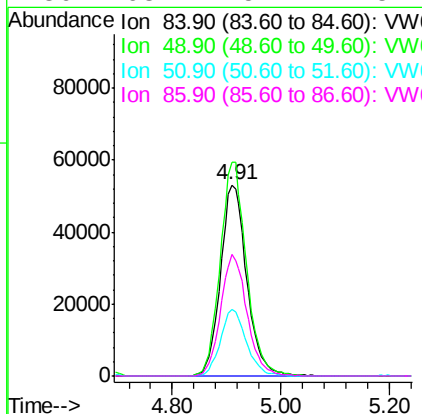
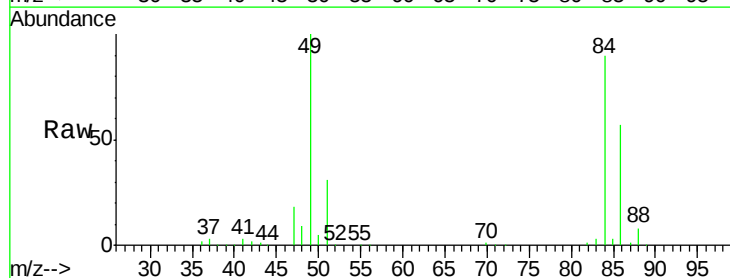
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

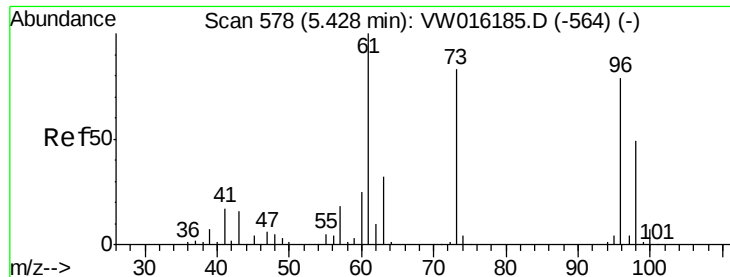
Tgt Ion: 73 Resp: 216577
Ion Ratio Lower Upper
73 100
57 20.7 17.2 25.8



#20
Methylene Chloride
Concen: 59.159 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 84 Resp: 177672
Ion Ratio Lower Upper
84 100
49 111.7 93.4 140.2
51 34.8 26.6 40.0
86 63.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 51.145 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

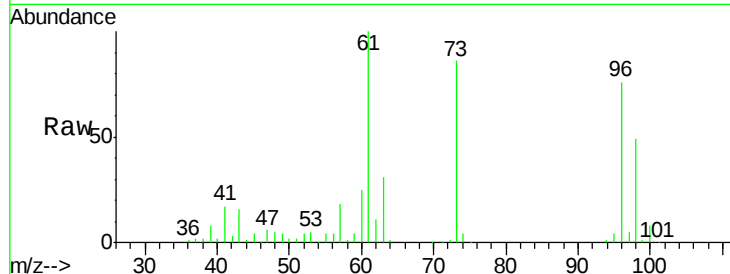
Tgt Ion: 96 Resp: 160257

Ion Ratio Lower Upper

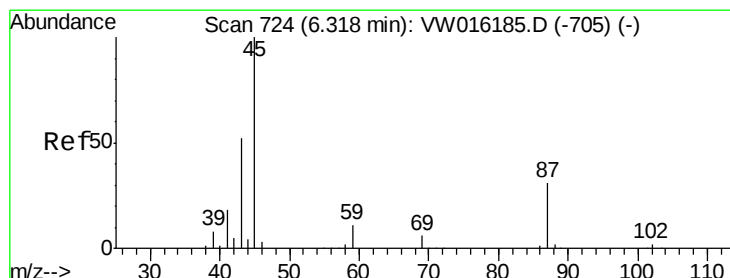
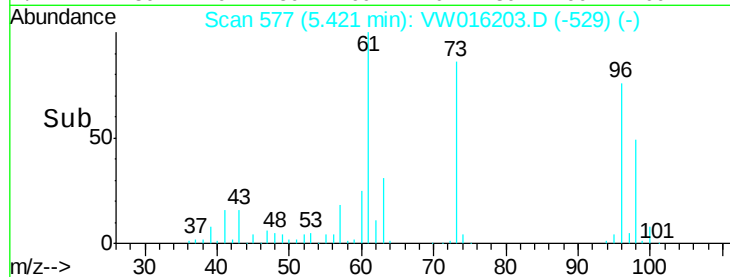
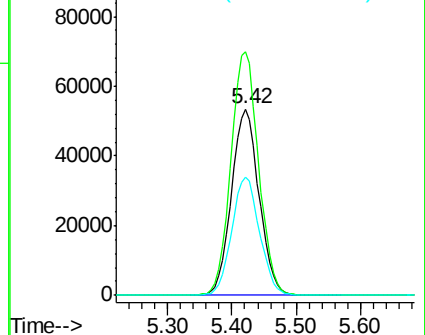
96 100

61 130.7 101.4 152.0

98 63.6 49.4 74.0



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: 56.698 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Tgt Ion: 45 Resp: 412076

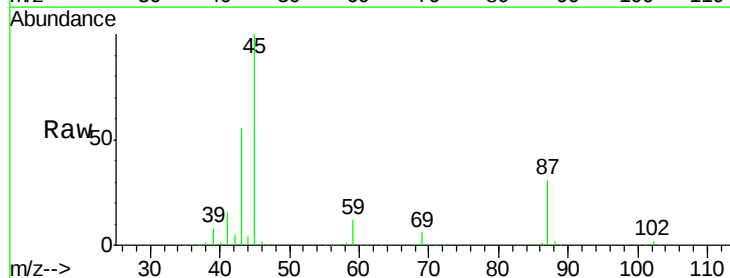
Ion Ratio Lower Upper

45 100

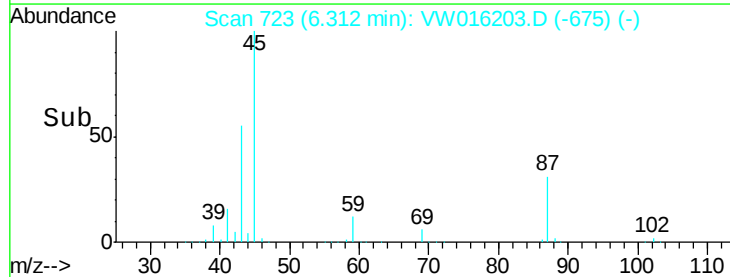
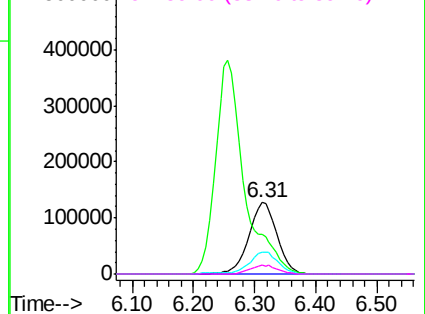
43 54.4 41.7 62.5

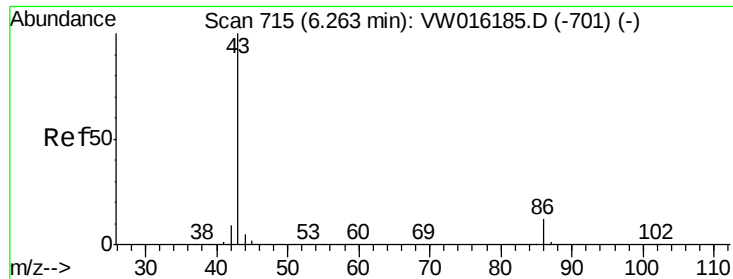
87 31.3 25.0 37.6

59 12.4 9.2 13.8



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: 300.648 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

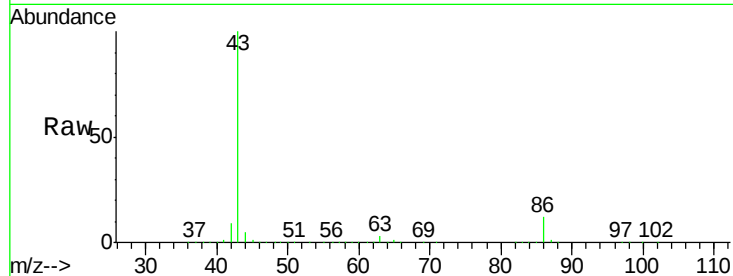
VSTDCCC050EC

Tgt Ion: 43 Resp: 1251193

Ion Ratio Lower Upper

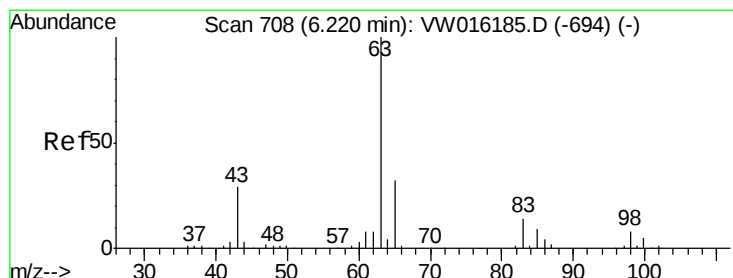
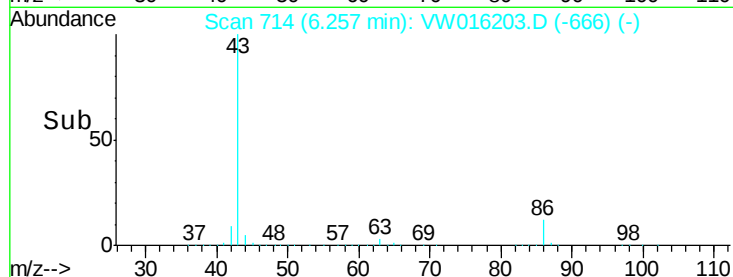
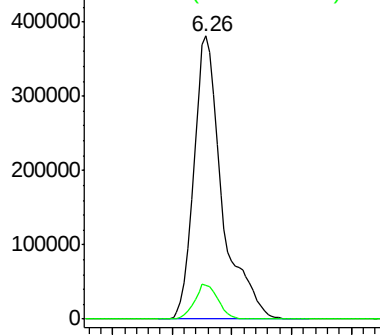
43 100

86 12.0 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.733 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

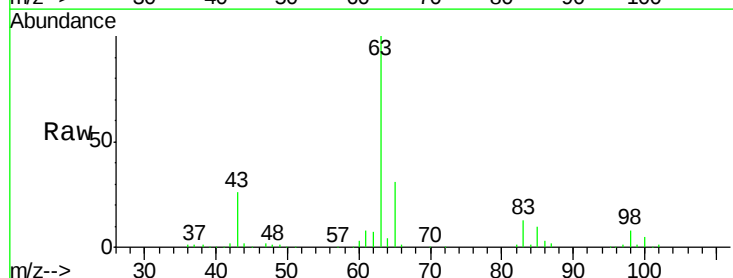
Tgt Ion: 63 Resp: 262425

Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

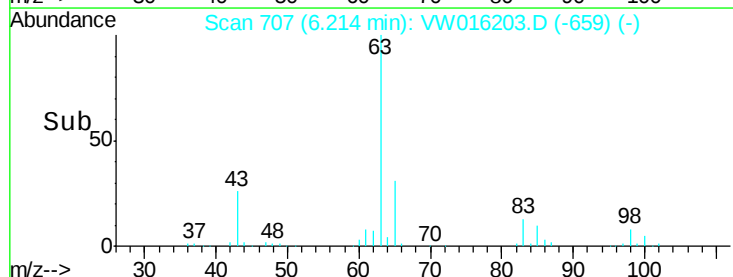
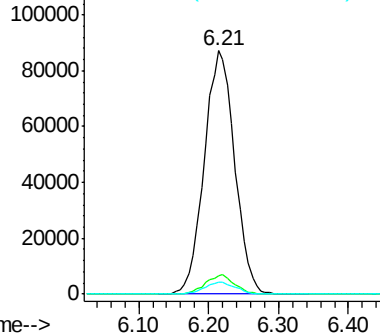
100 5.0 2.6 8.0

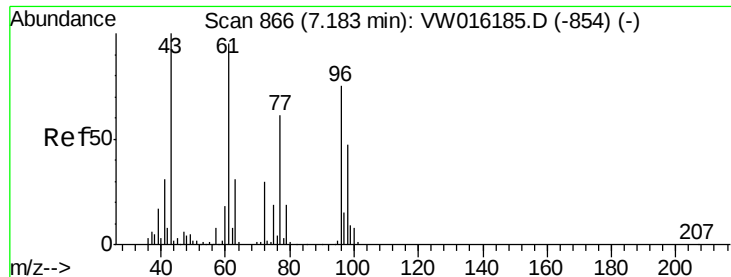


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 294.816 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

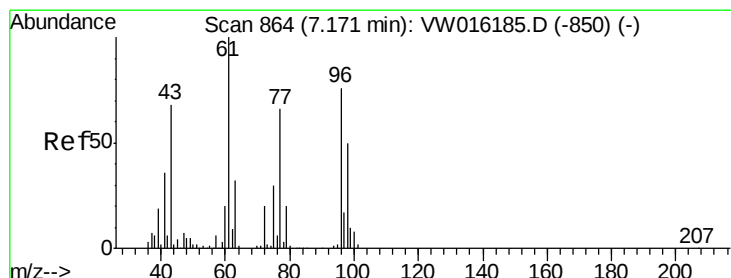
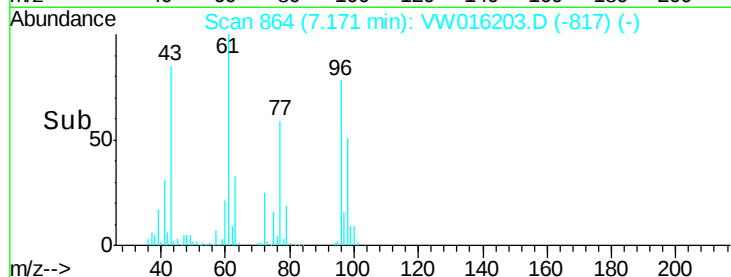
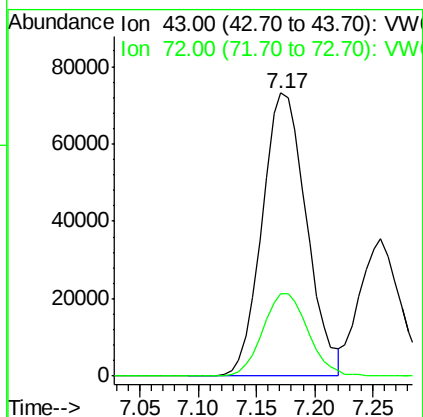
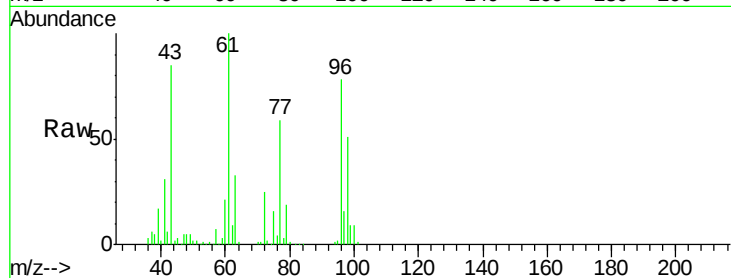
VSTDCCC050EC

Tgt Ion: 43 Resp: 193995

Ion Ratio Lower Upper

43 100

72 29.3 24.2 36.2



#26

2,2-Dichloropropane

Concen: 45.830 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW016203.D

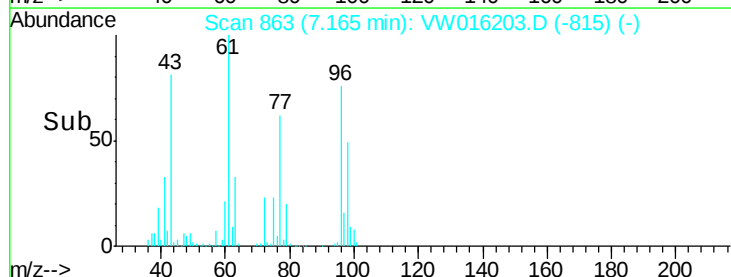
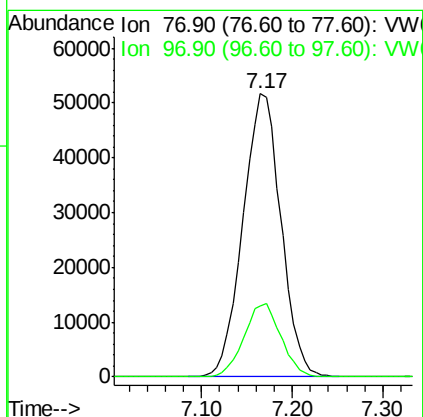
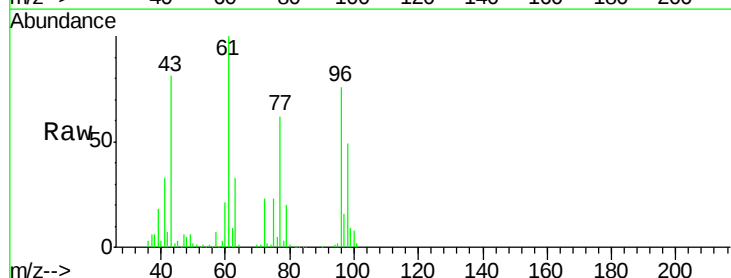
Acq: 14 Aug 2020 20:04

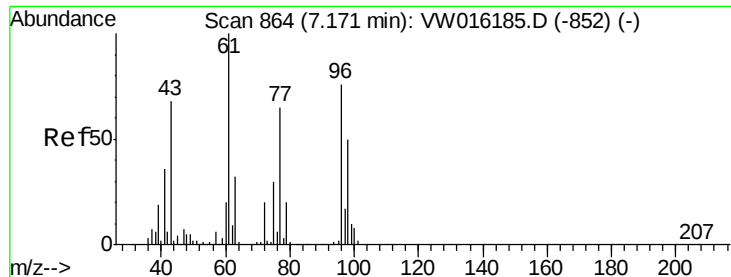
Tgt Ion: 77 Resp: 150173

Ion Ratio Lower Upper

77 100

97 25.2 12.1 36.3



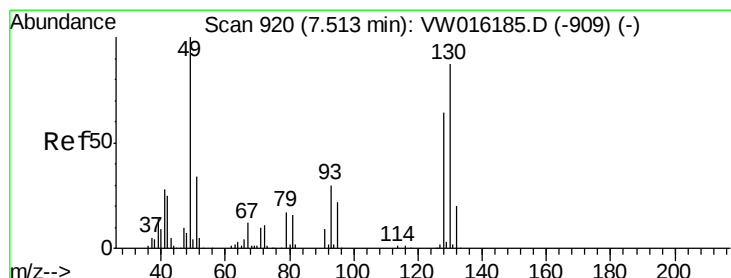
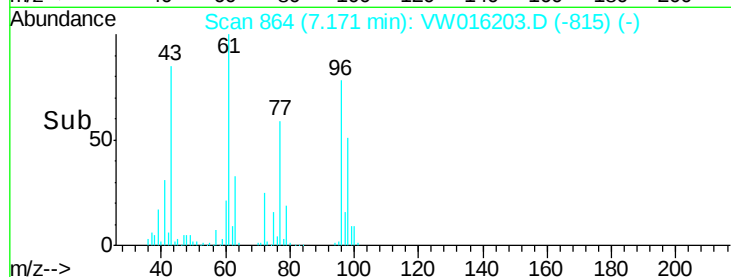
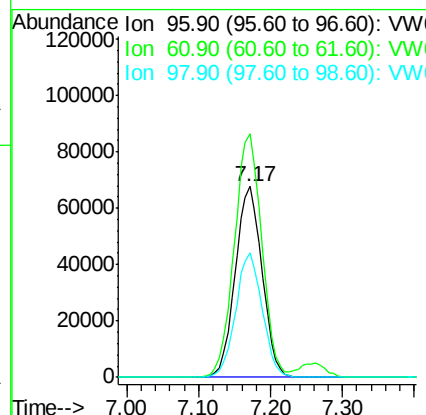
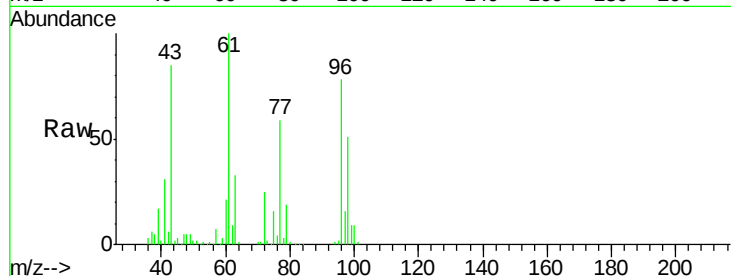


#27

cis-1,2-Dichloroethene
Concen: 54.231 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

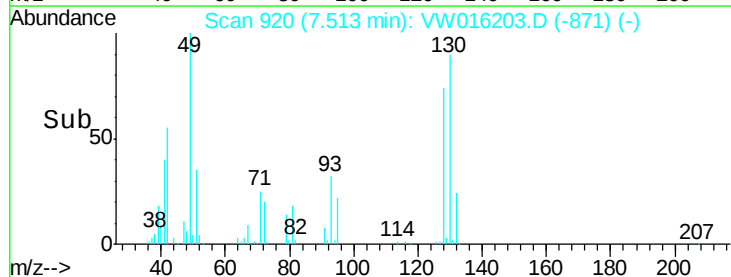
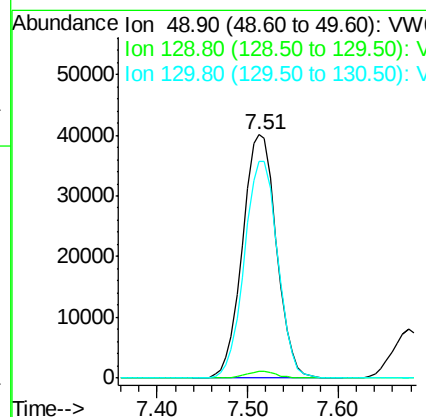
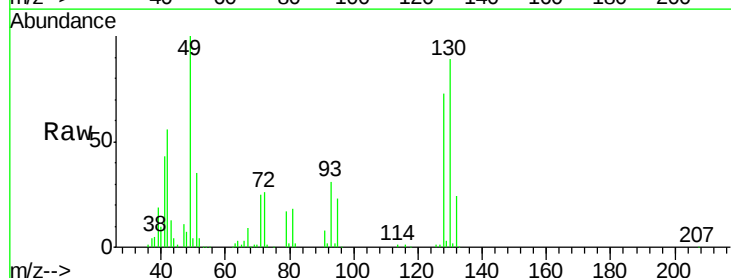
Tgt Ion: 96 Resp: 175400
Ion Ratio Lower Upper
96 100
61 130.6 0.0 267.0
98 64.4 0.0 129.6

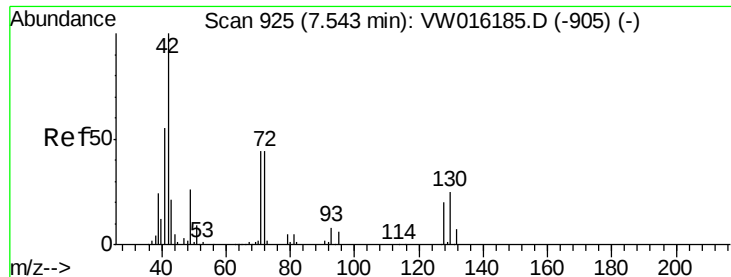


#28

Bromochloromethane
Concen: 54.038 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 49 Resp: 103998
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.2
130 87.6 69.9 104.9

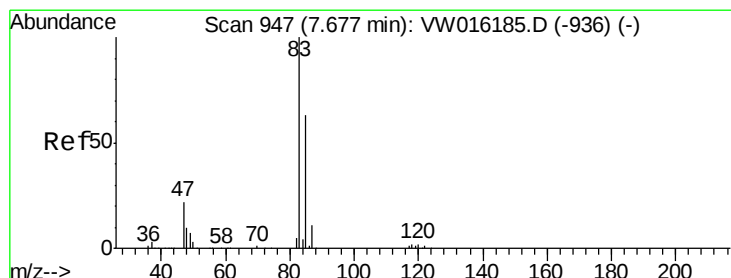
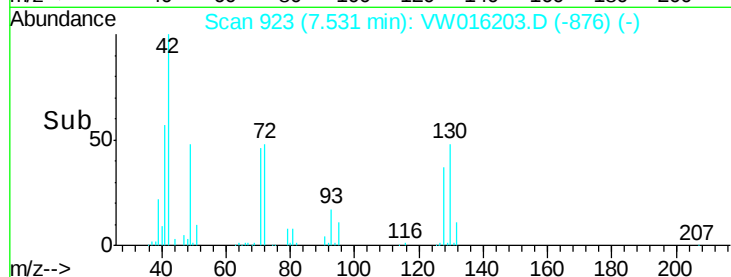
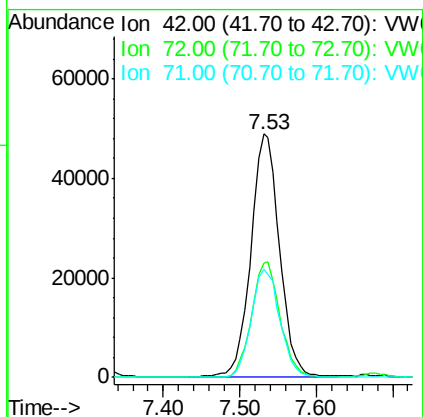
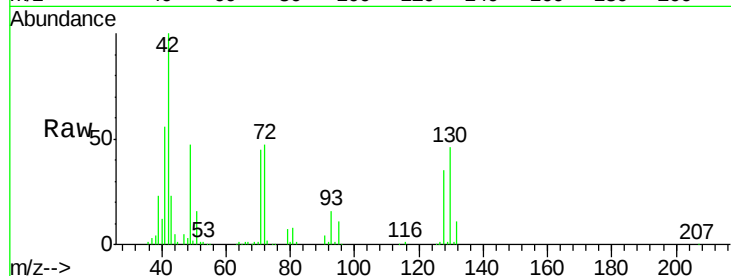




#29
Tetrahydrofuran
Concen: 325.904 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

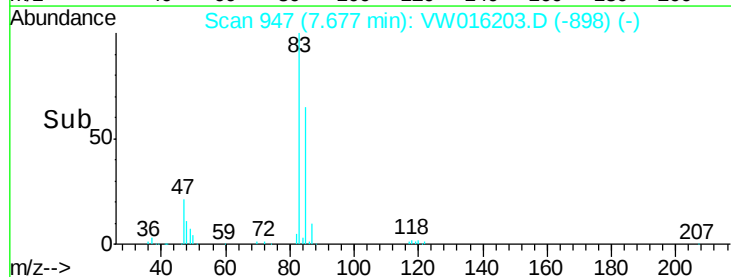
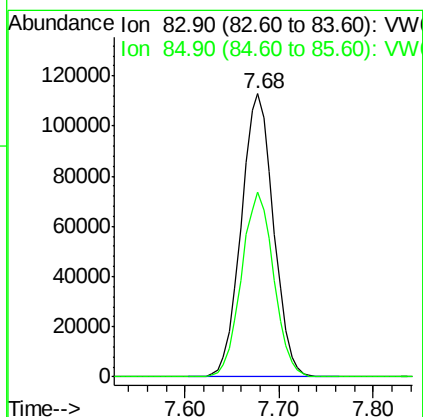
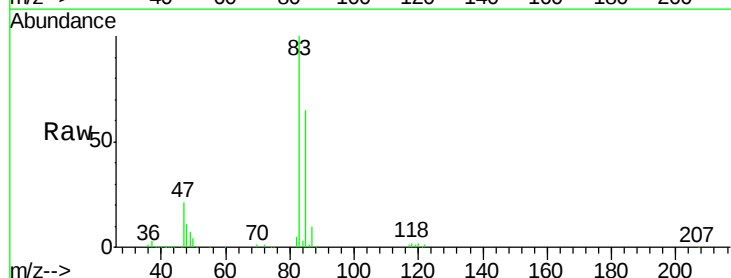
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

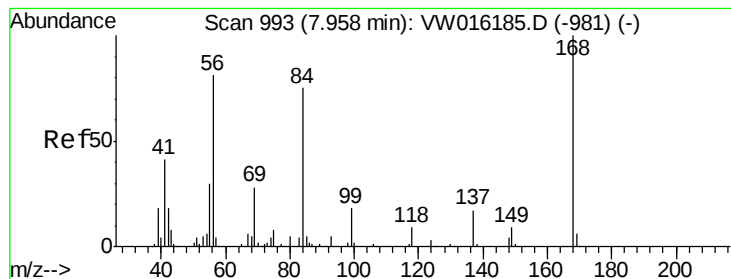
Tgt Ion: 42 Resp: 128192
Ion Ratio Lower Upper
42 100
72 47.1 37.4 56.2
71 44.3 35.6 53.4



#30
Chloroform
Concen: 51.342 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 83 Resp: 270604
Ion Ratio Lower Upper
83 100
85 65.3 50.0 75.0





#31

Cyclohexane

Concen: 49.572 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

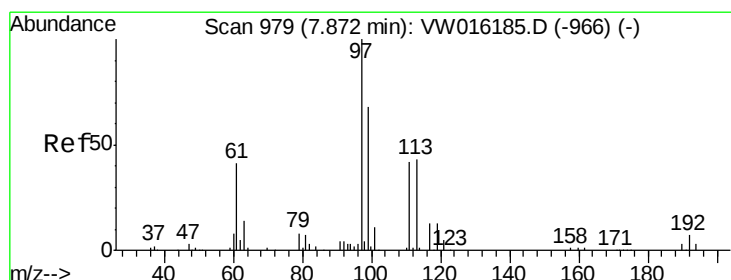
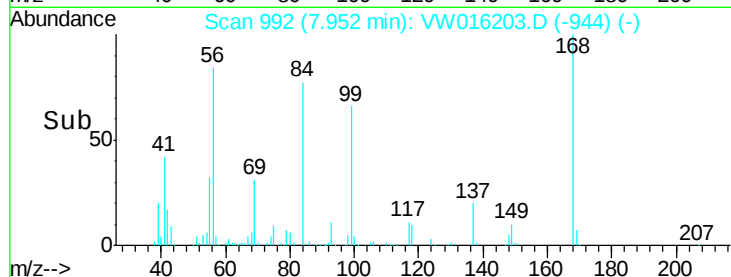
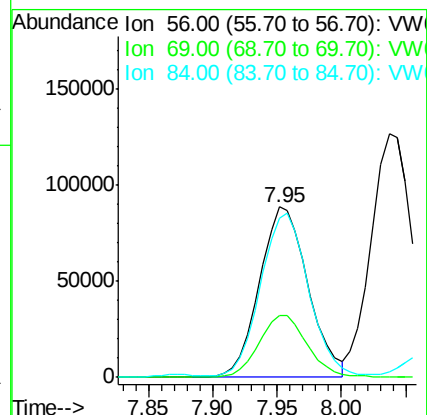
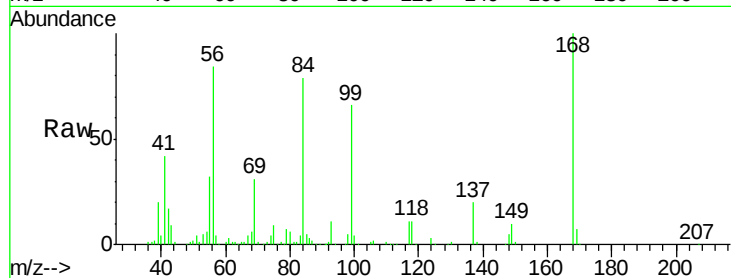
Tgt Ion: 56 Resp: 231867

Ion Ratio Lower Upper

56 100

69 36.5 27.3 40.9

84 92.2 73.5 110.3



#32

1,1,1-Trichloroethane

Concen: 50.234 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

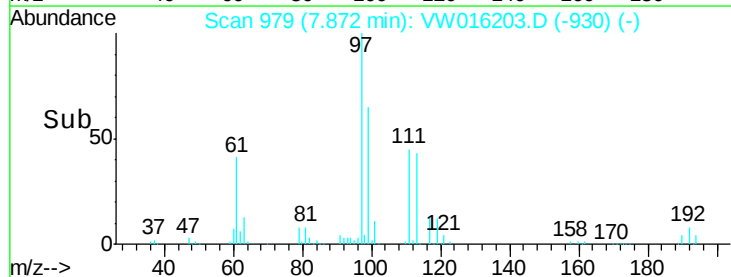
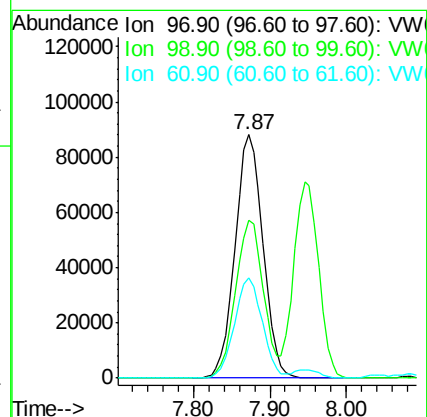
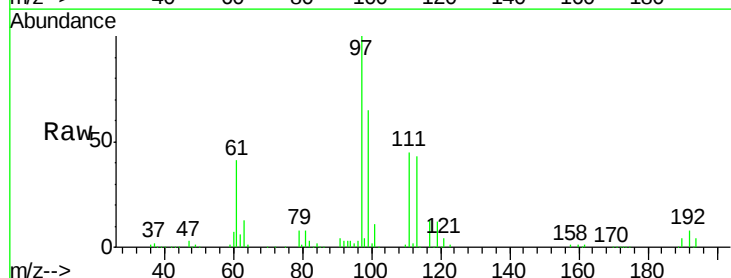
Tgt Ion: 97 Resp: 222444

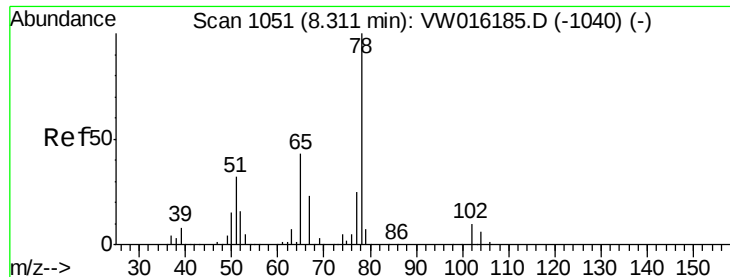
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 41.0 33.2 49.8





#33

1,2-Dichloroethane-d4

Concen: 51.120 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

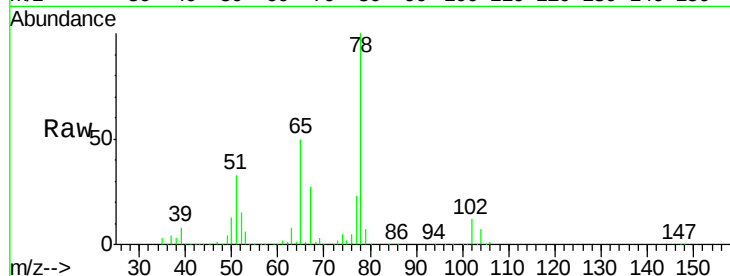
VSTDCCC050EC

Tgt Ion: 65 Resp: 131021

Ion Ratio Lower Upper

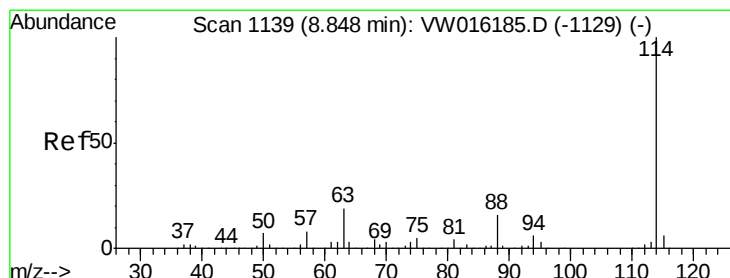
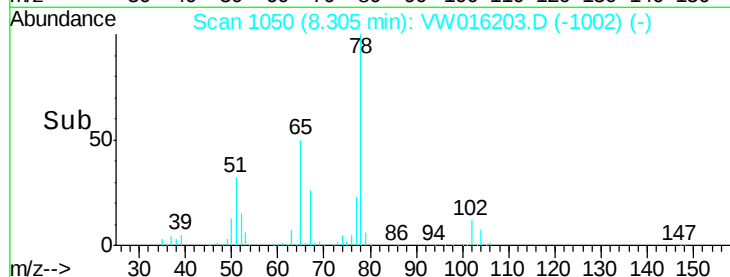
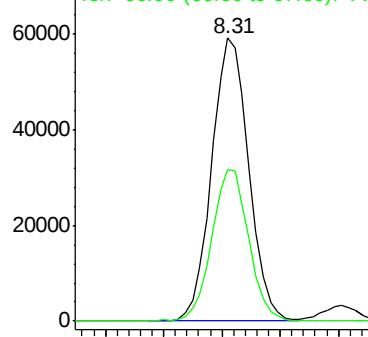
65 100

67 53.6 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

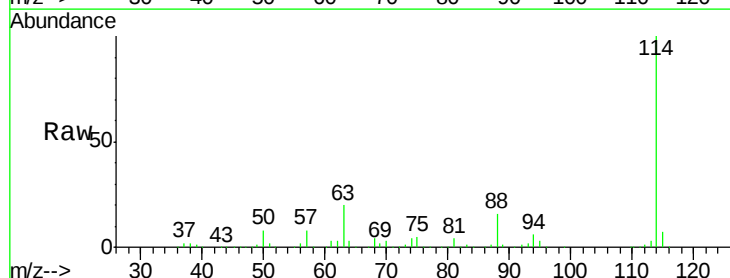
Tgt Ion: 114 Resp: 452049

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

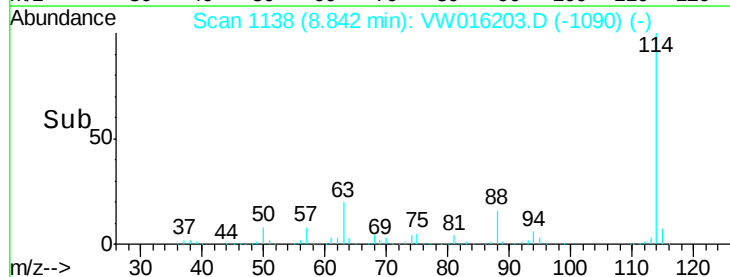
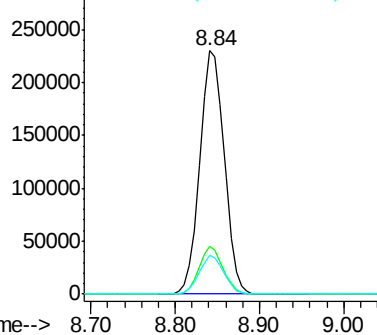
88 15.7 0.0 32.8

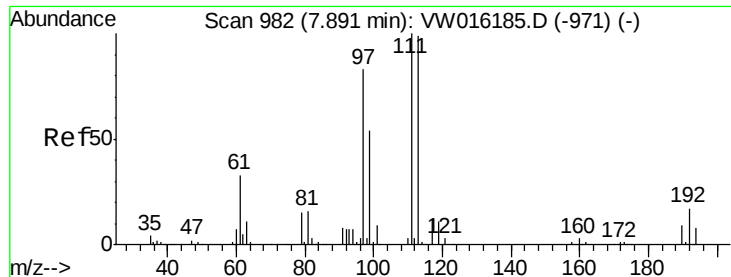


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 48.142 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

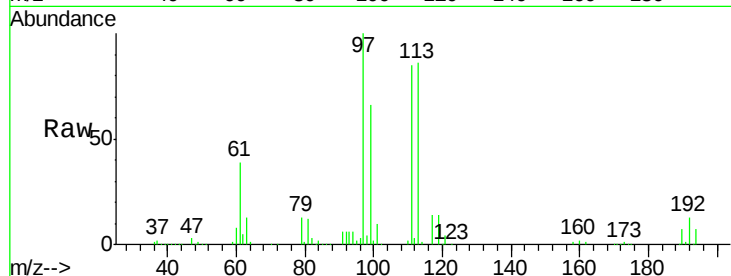
Tgt Ion:113 Resp: 134277

Ion Ratio Lower Upper

113 100

111 103.0 83.5 125.3

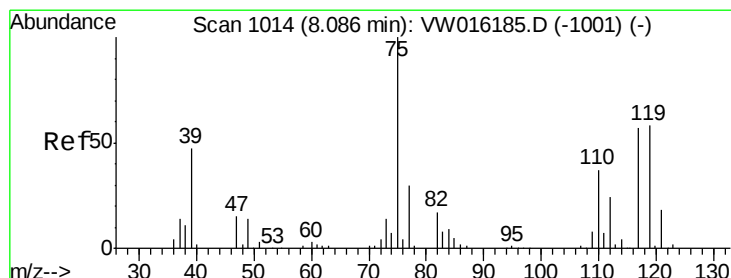
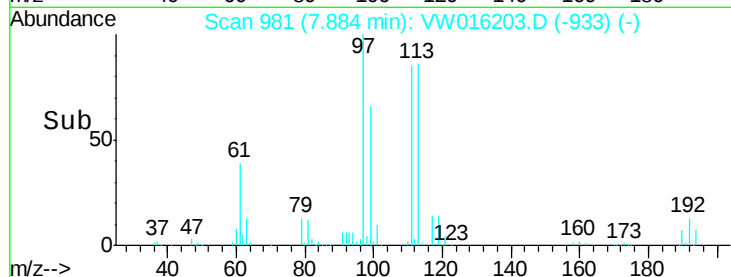
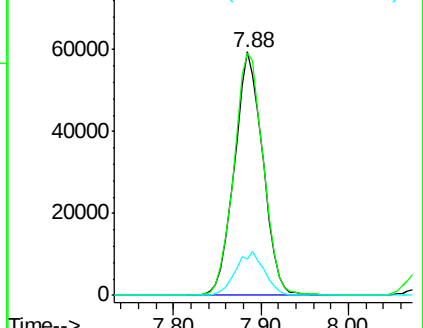
192 18.3 14.3 21.5



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: 47.722 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

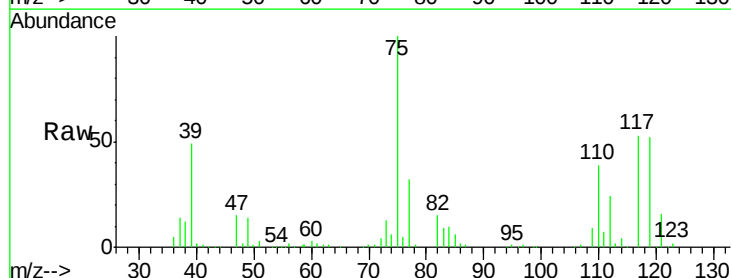
Tgt Ion: 75 Resp: 212520

Ion Ratio Lower Upper

75 100

110 37.3 18.1 54.3

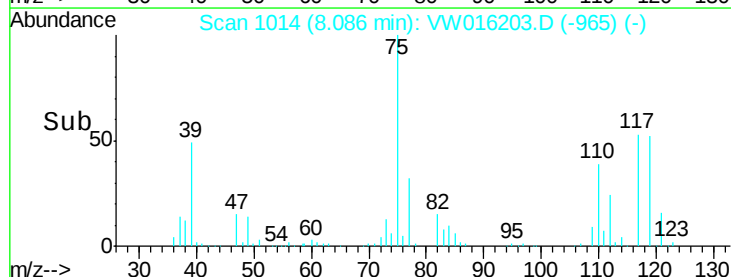
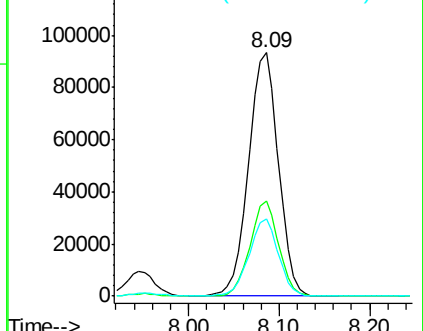
77 31.5 24.7 37.1

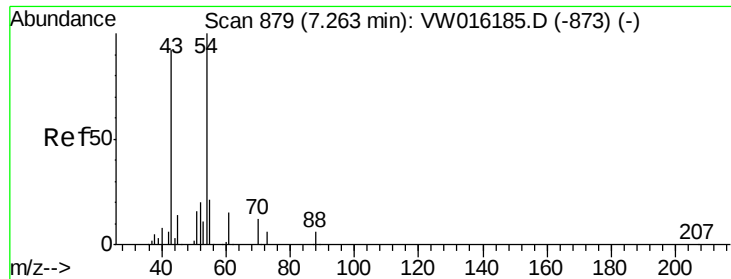


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

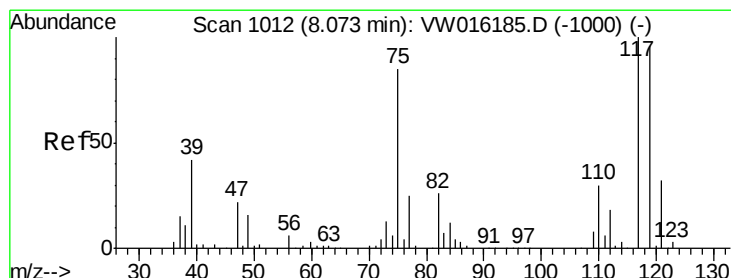
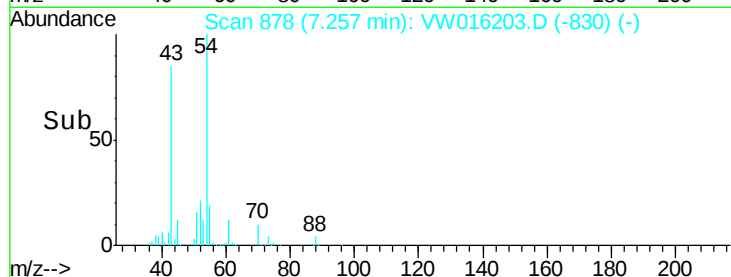
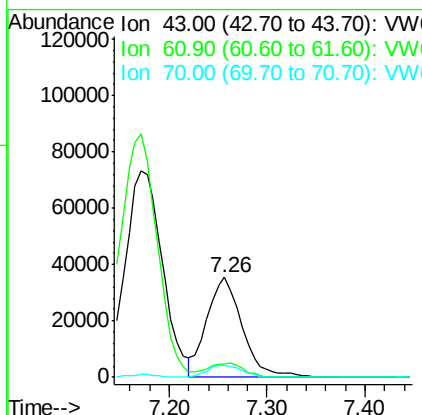
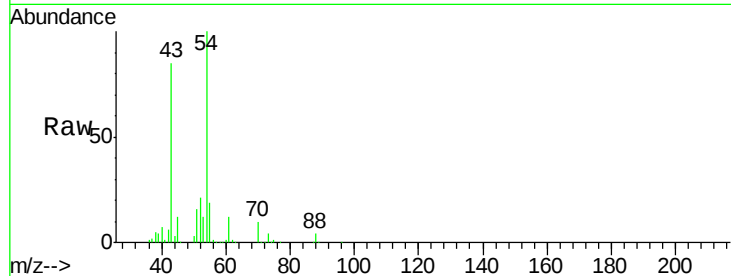




#37
Ethyl Acetate
Concen: 58.091 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

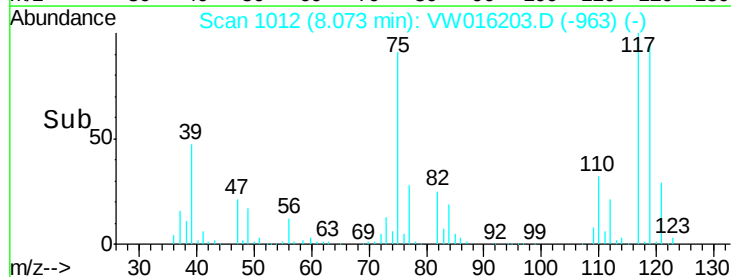
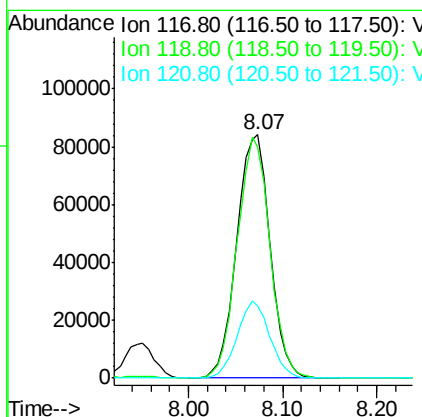
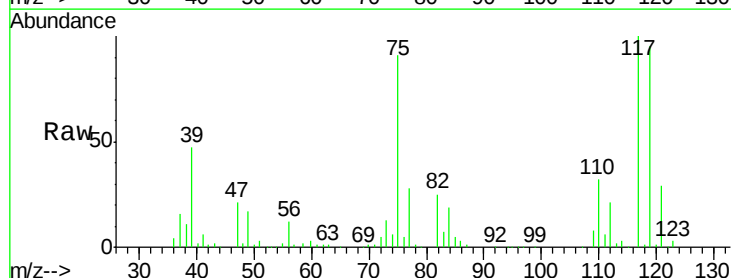
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

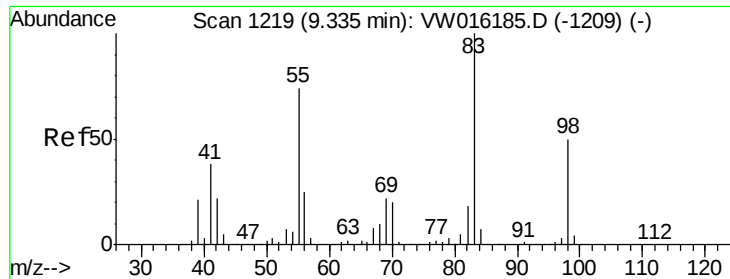
Tgt Ion: 43 Resp: 88696
Ion Ratio Lower Upper
43 100
61 14.8 12.6 18.8
70 12.1 9.8 14.8



#38
Carbon Tetrachloride
Concen: 47.017 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 117 Resp: 208949
Ion Ratio Lower Upper
117 100
119 94.7 76.6 115.0
121 29.5 25.4 38.0

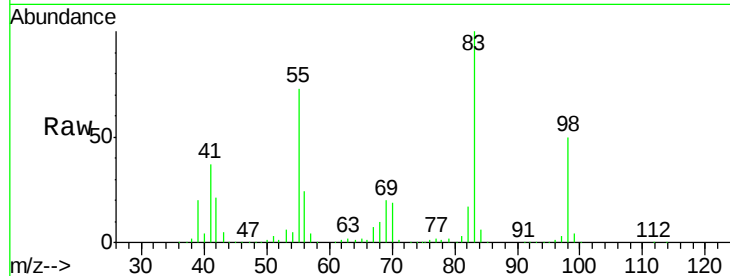




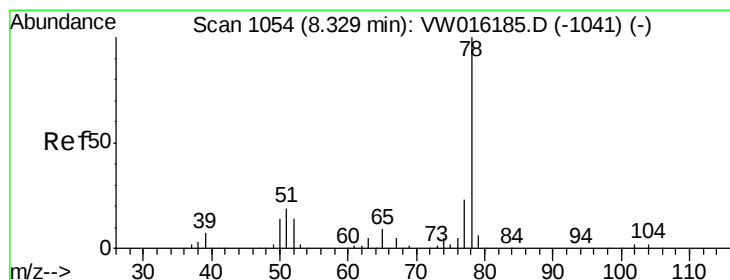
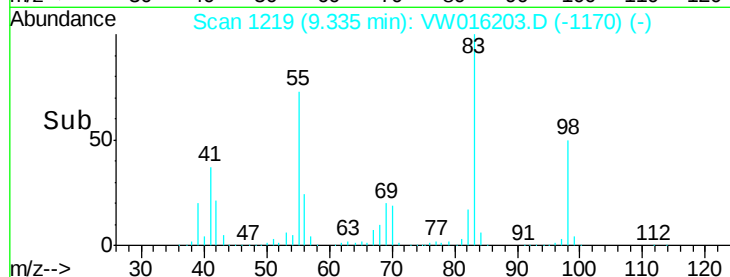
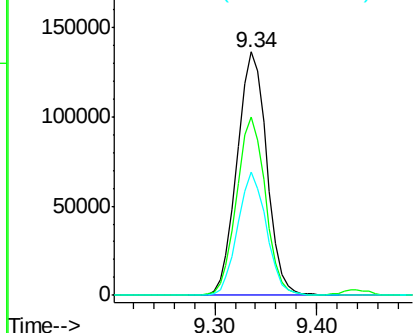
#39
Methylcyclohexane
Concen: 51.358 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 275493
Ion Ratio Lower Upper
83 100
55 73.4 59.2 88.8
98 50.5 40.2 60.2

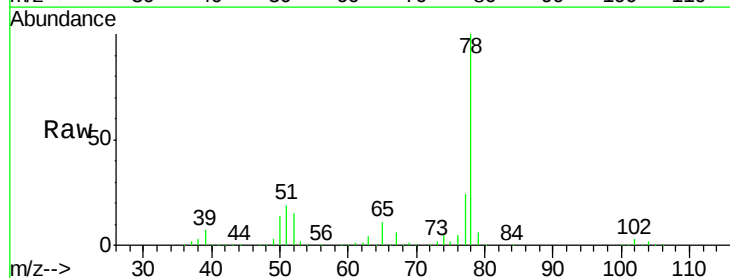


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

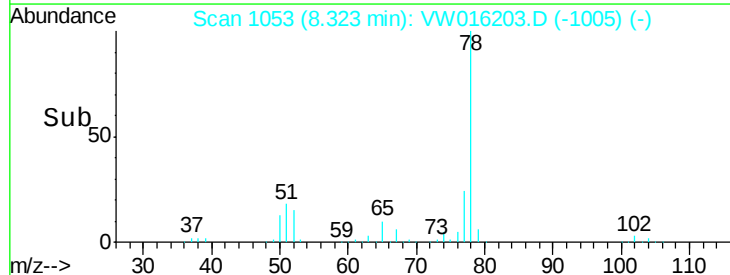
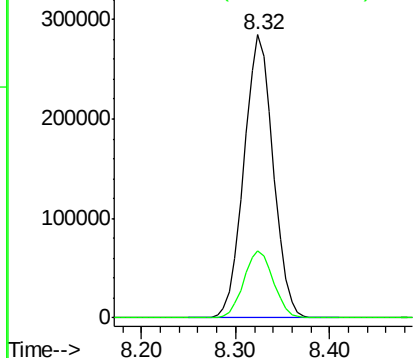


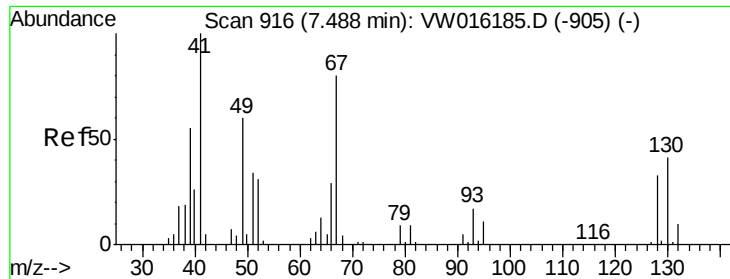
#40
Benzene
Concen: 49.397 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 78 Resp: 618850
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0



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





#41

Methacrylonitrile

Concen: 62.489 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 54453

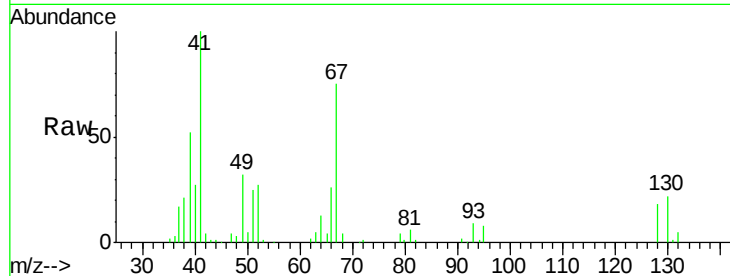
Ion Ratio Lower Upper

41 100

39 56.3 43.4 65.2

67 74.0 61.5 92.3

52 28.8 24.3 36.5

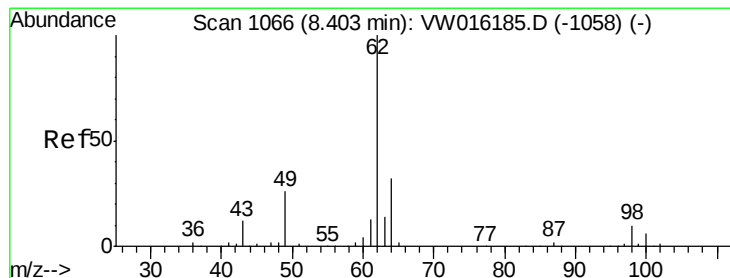
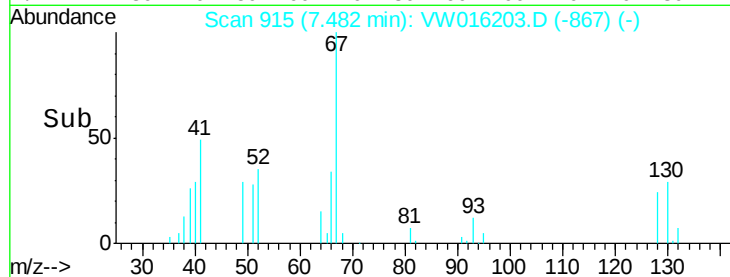
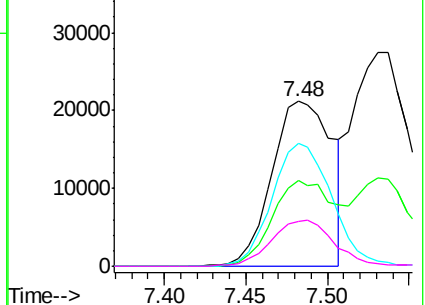


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.458 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016203.D

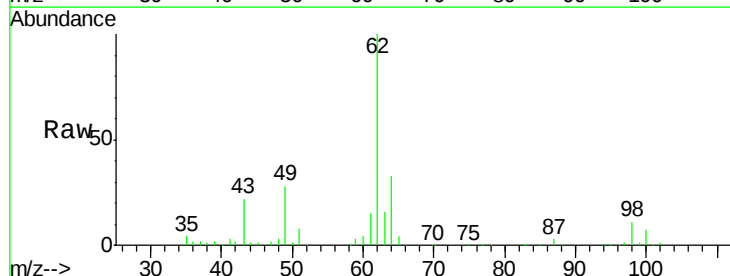
Acq: 14 Aug 2020 20:04

Tgt Ion: 62 Resp: 166952

Ion Ratio Lower Upper

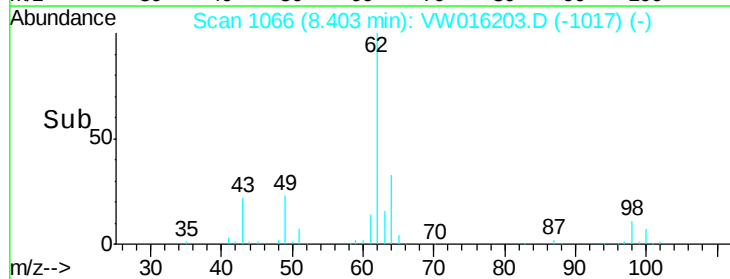
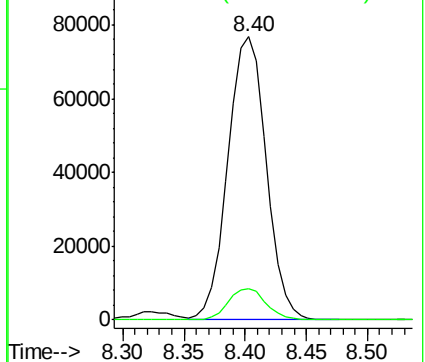
62 100

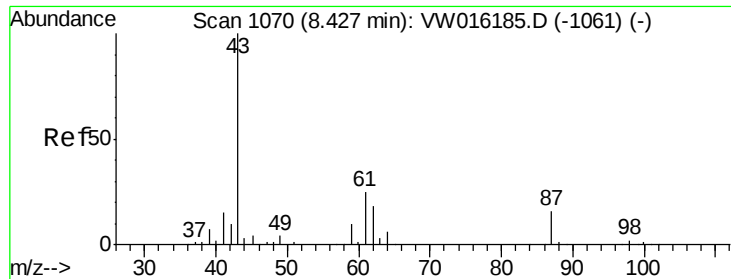
98 11.0 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

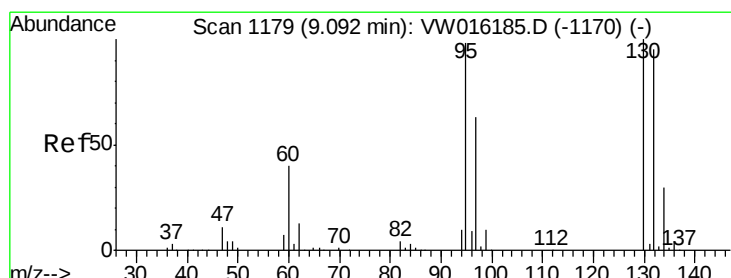
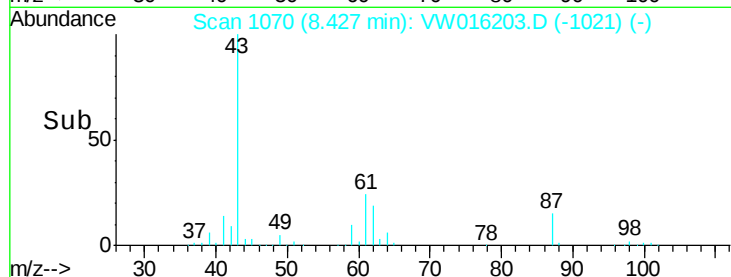
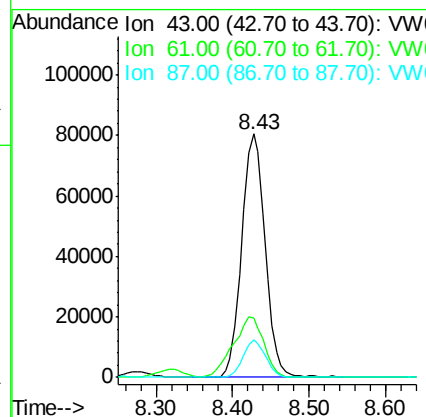
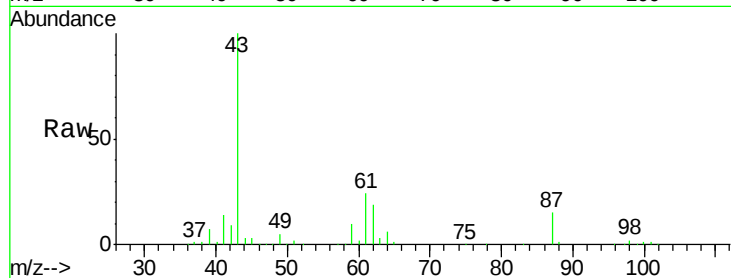




#43
Isopropyl Acetate
Concen: 59.255 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

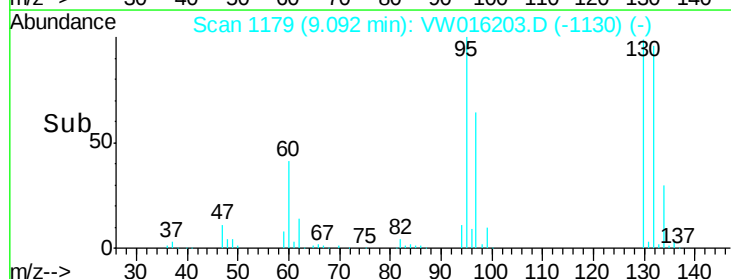
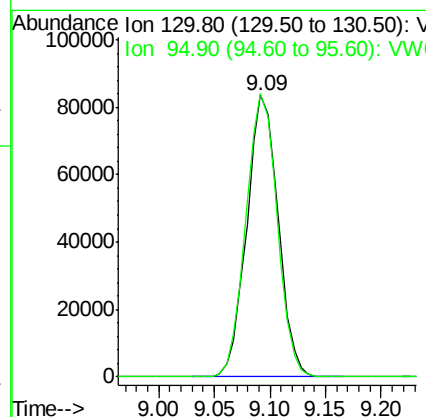
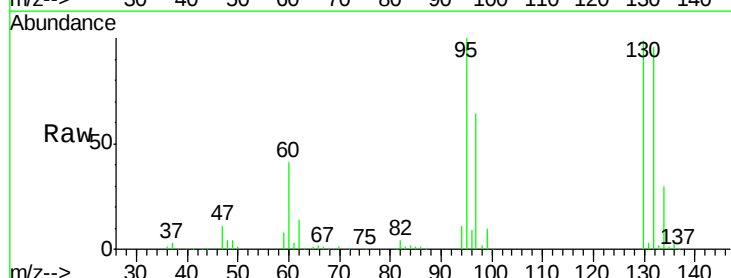
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

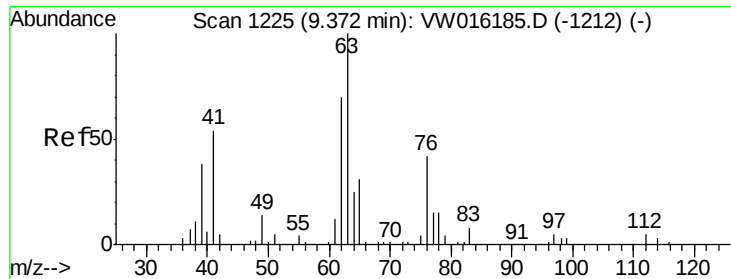
Tgt Ion: 43 Resp: 170213
Ion Ratio Lower Upper
43 100
61 32.5 26.9 40.3
87 14.8 12.0 18.0



#44
Trichloroethene
Concen: 46.193 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 130 Resp: 163902
Ion Ratio Lower Upper
130 100
95 100.5 0.0 196.4





#45

1,2-Dichloropropane

Concen: 51.062 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

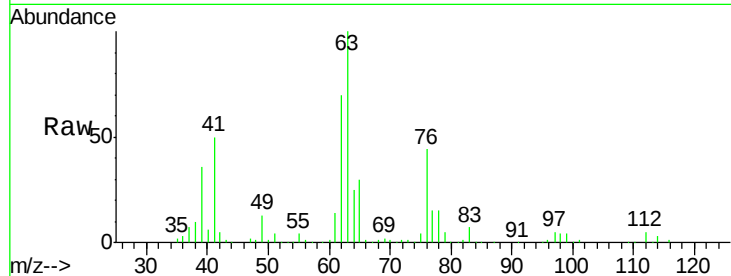
VSTDCCC050EC

Tgt Ion: 63 Resp: 150797

Ion Ratio Lower Upper

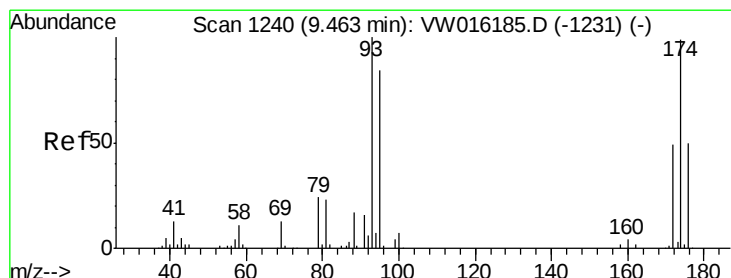
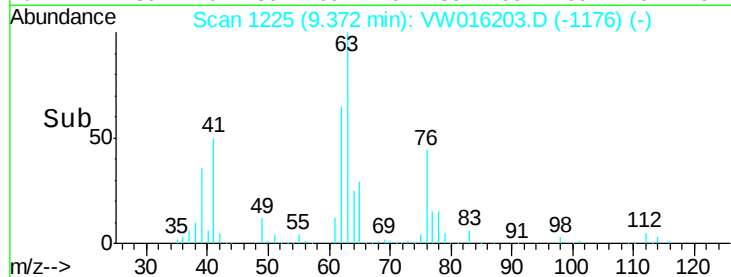
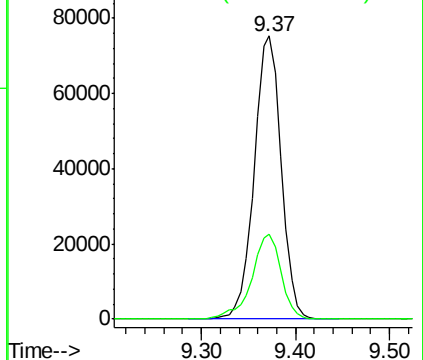
63 100

65 30.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 52.255 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

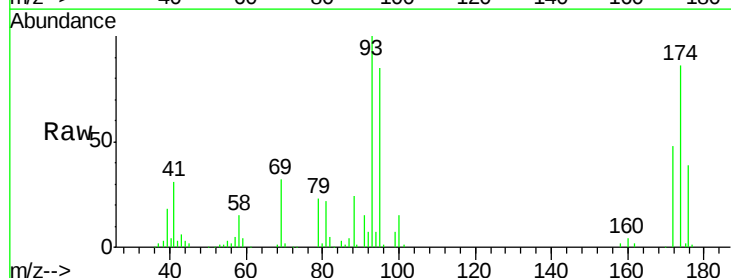
Tgt Ion: 93 Resp: 81018

Ion Ratio Lower Upper

93 100

95 84.0 65.9 98.9

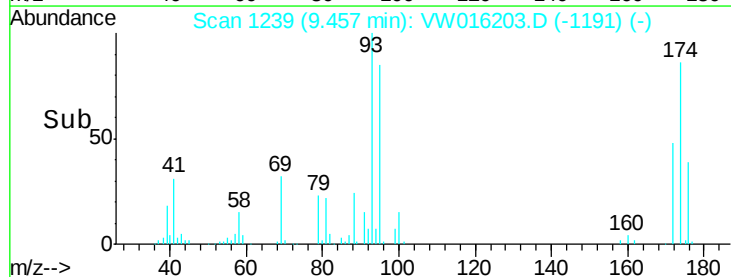
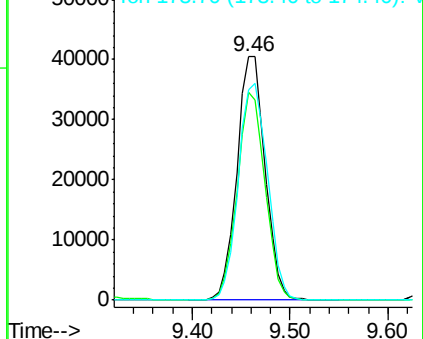
174 92.4 77.0 115.6

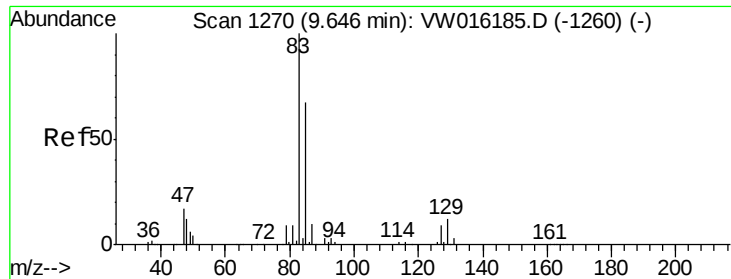


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

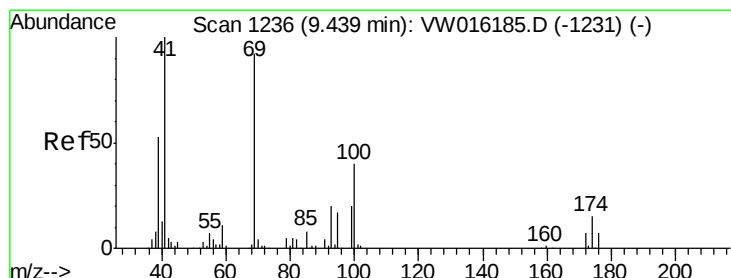
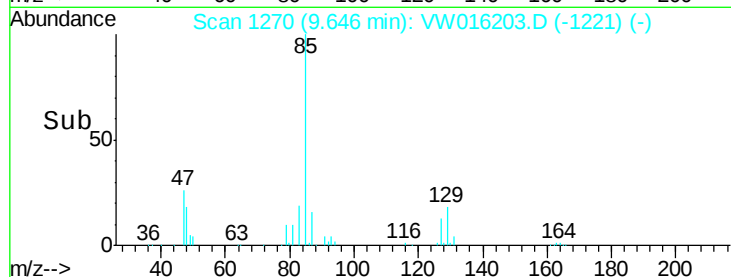
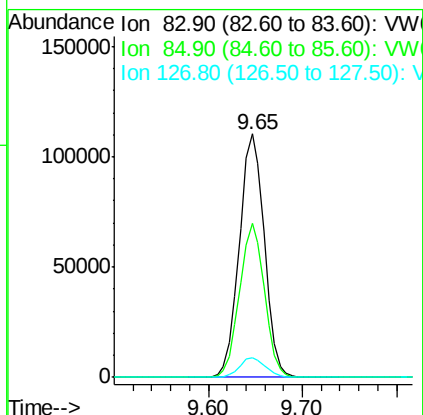
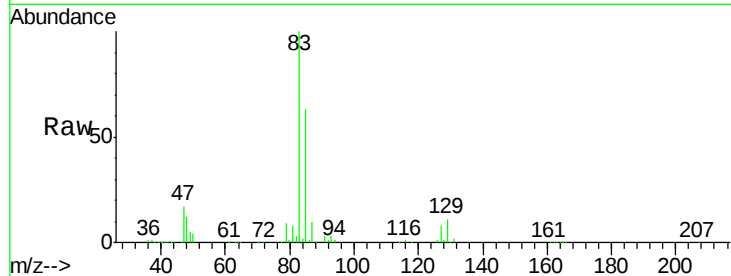




#47
 Bromodichloromethane
 Concen: 51.002 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

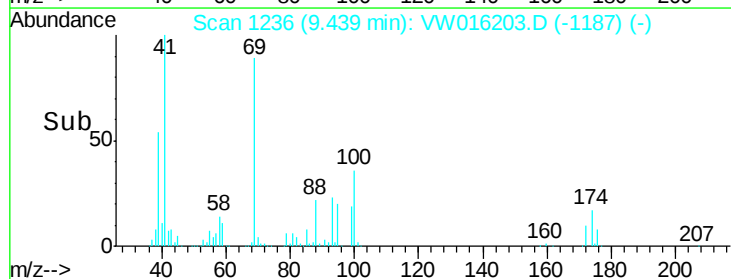
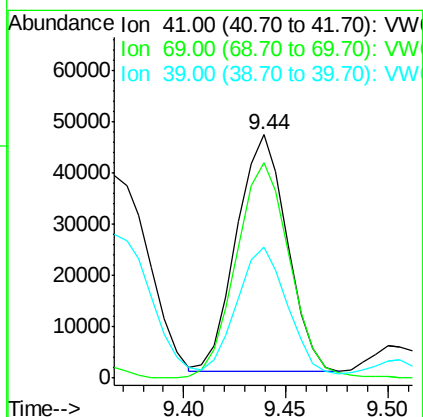
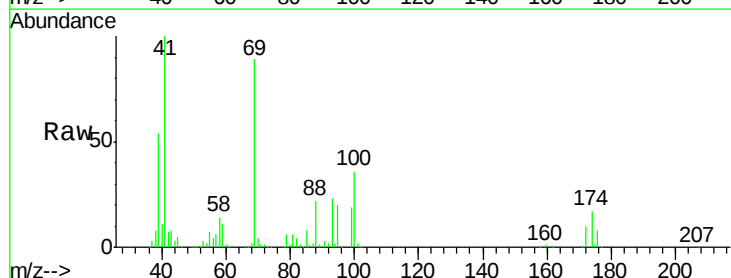
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

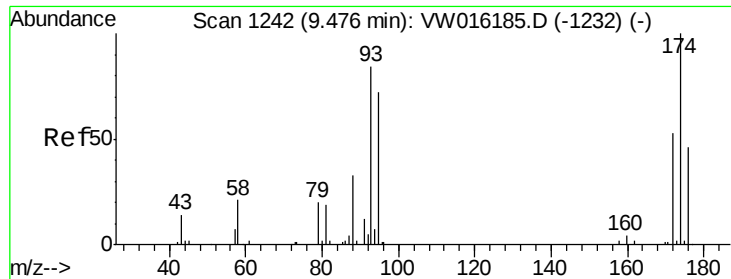
Tgt Ion: 83 Resp: 204302
 Ion Ratio Lower Upper
 83 100
 85 63.4 53.3 79.9
 127 8.2 7.4 11.2



#48
 Methyl methacrylate
 Concen: 59.349 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Tgt Ion: 41 Resp: 79254
 Ion Ratio Lower Upper
 41 100
 69 97.2 77.4 116.0
 39 53.3 42.2 63.2

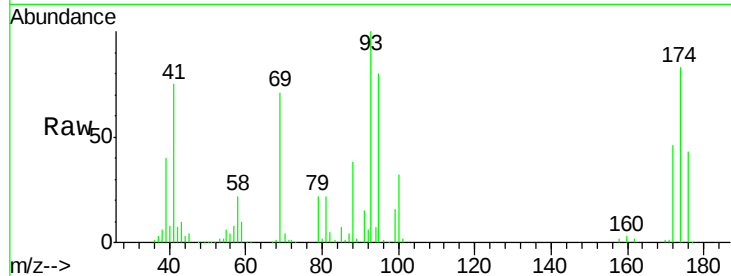




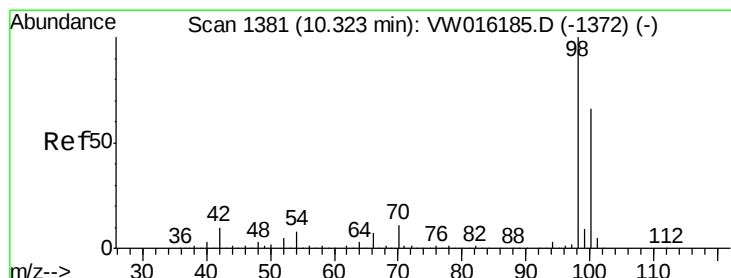
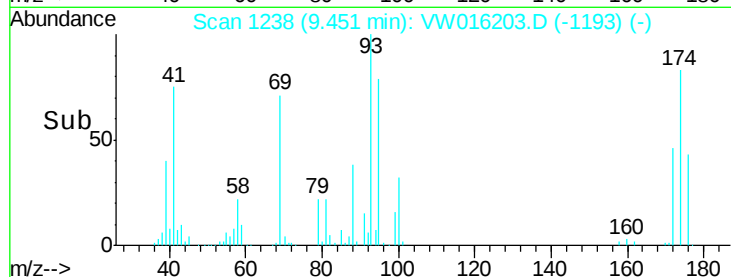
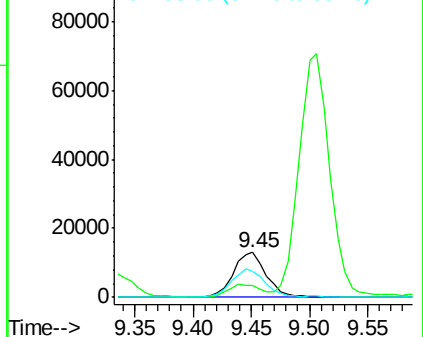
#49
1,4-Dioxane
Concen: 1318.901 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 25749
Ion Ratio Lower Upper
88 100
43 29.6 0.0 0.0#
58 65.2 56.6 84.8

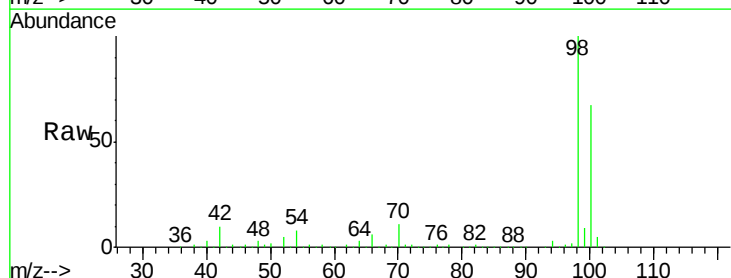


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

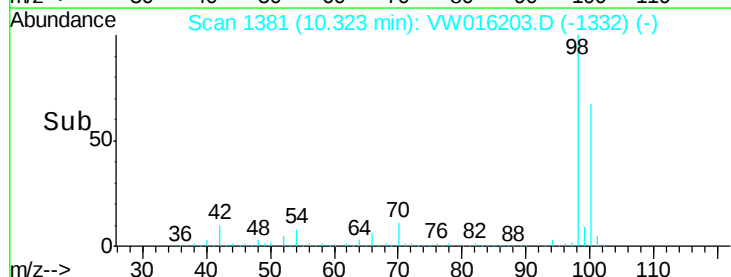
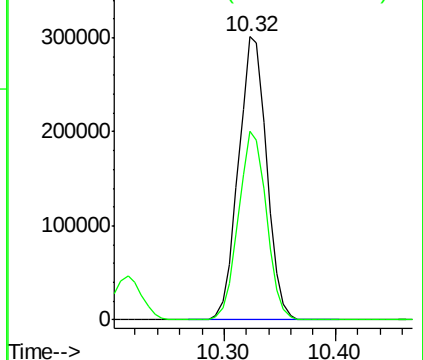


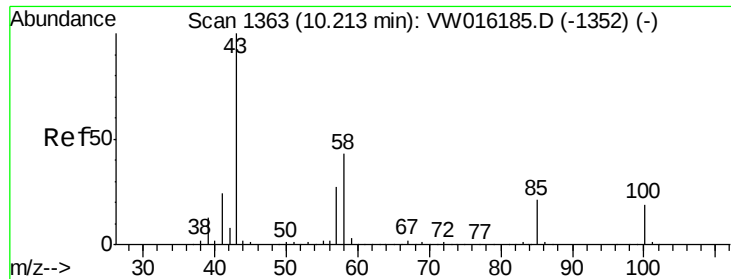
#50
Toluene-d8
Concen: 48.879 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 98 Resp: 527716
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3



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

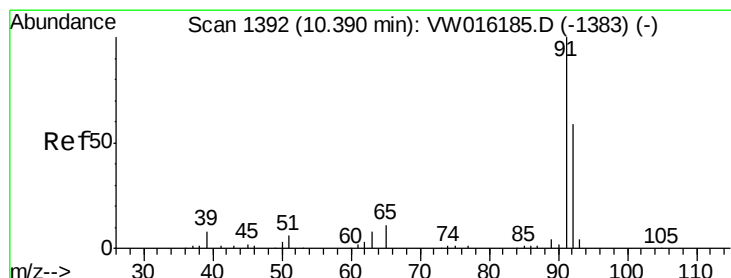
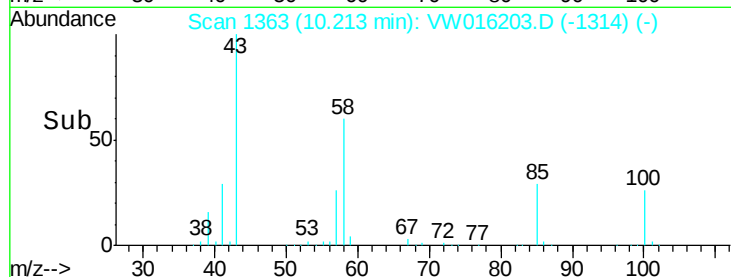
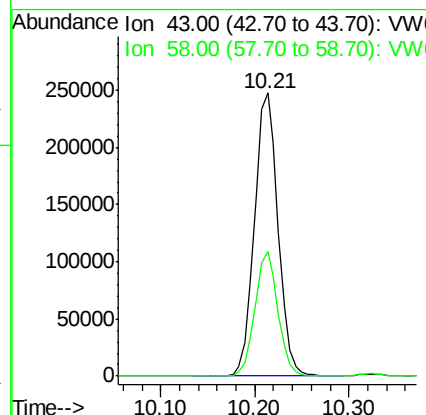
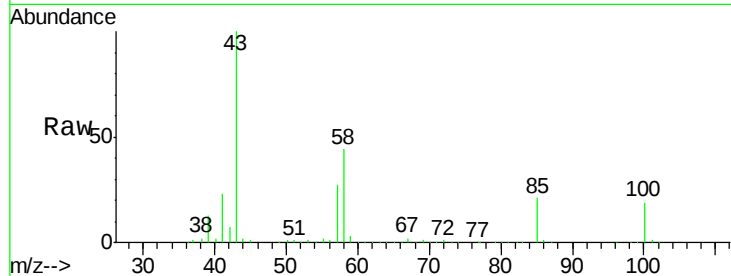




#51
 4-Methyl-2-Pentanone
 Concen: 300.113 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

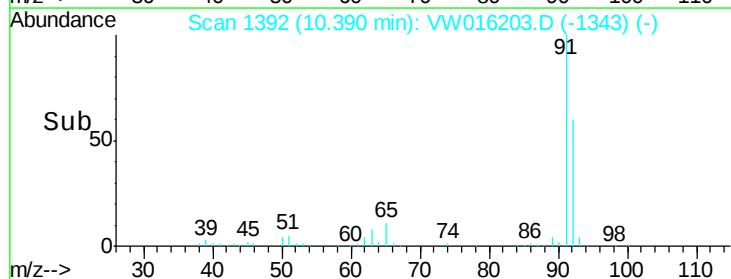
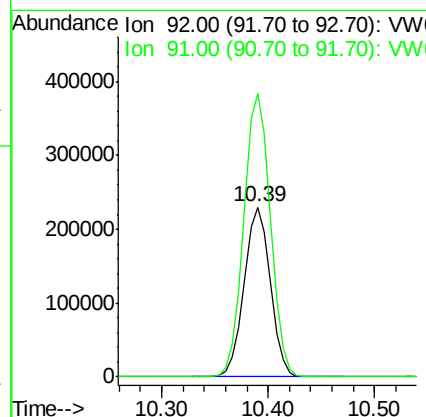
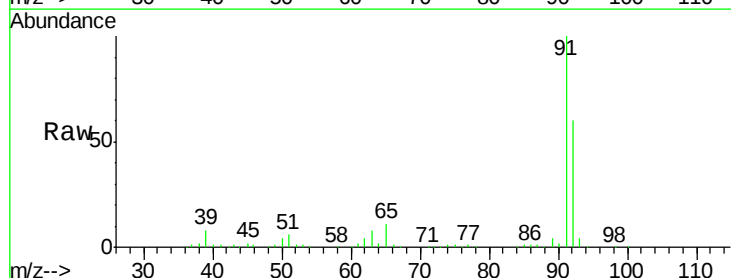
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

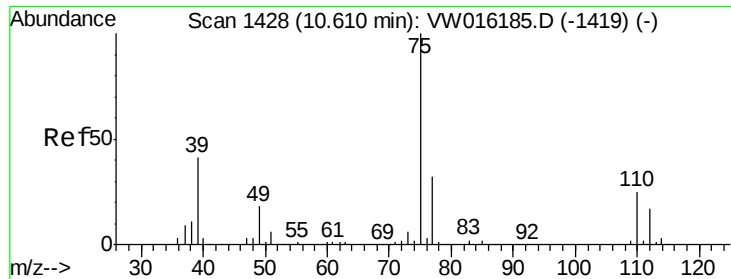
Tgt Ion: 43 Resp: 436017
 Ion Ratio Lower Upper
 43 100
 58 42.8 33.7 50.5



#52
 Toluene
 Concen: 49.617 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Tgt Ion: 92 Resp: 398037
 Ion Ratio Lower Upper
 92 100
 91 169.6 133.3 199.9

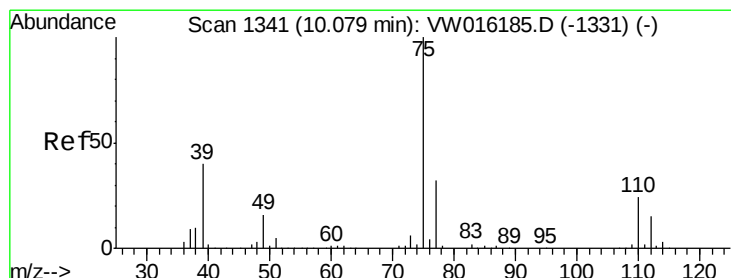
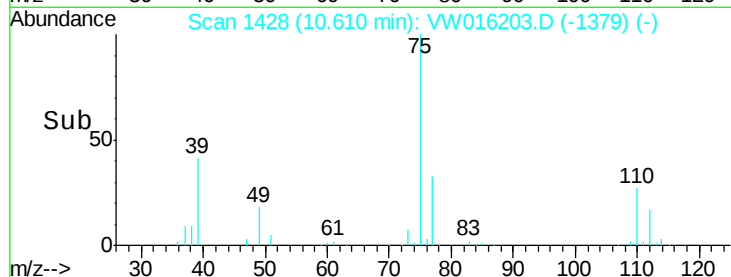
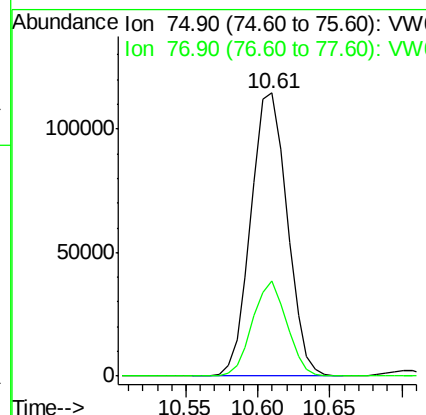
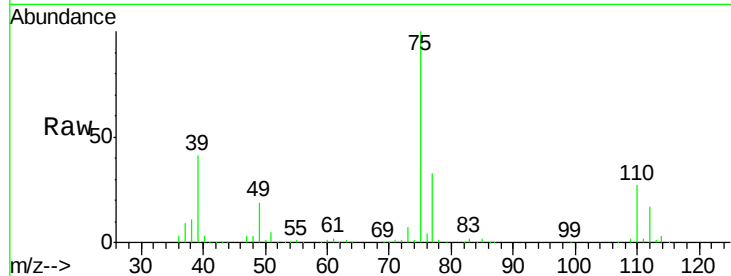




#53
t-1,3-Dichloropropene
Concen: 54.046 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

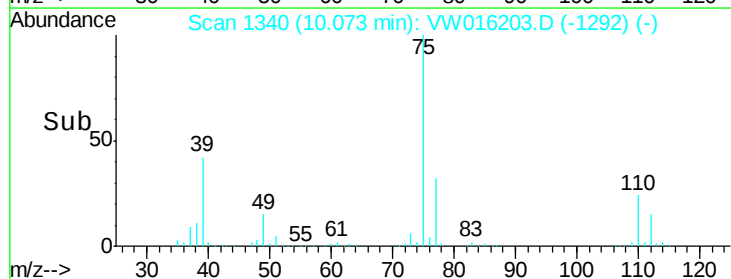
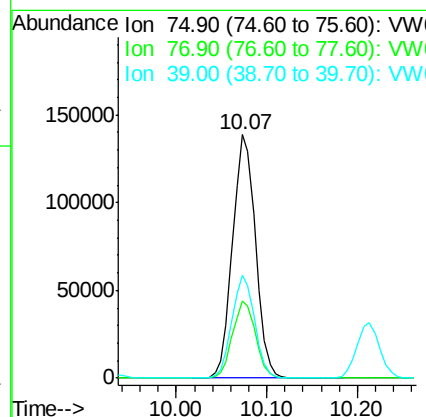
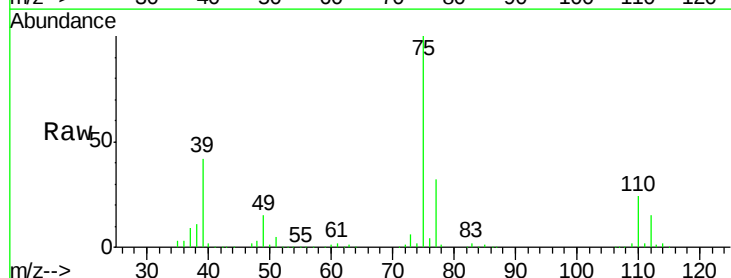
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

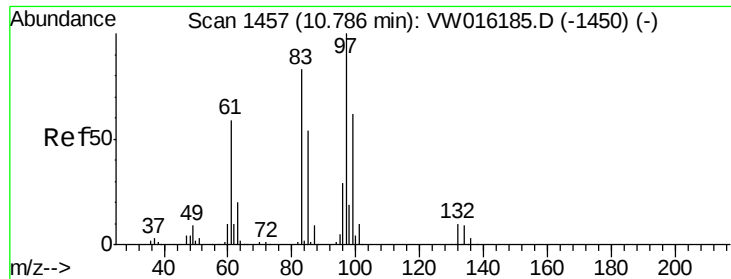
Tgt Ion: 75 Resp: 200458
Ion Ratio Lower Upper
75 100
77 33.4 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 52.900 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 75 Resp: 243855
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9
39 42.0 32.3 48.5

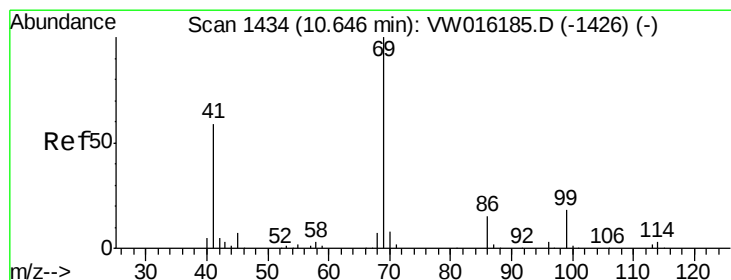
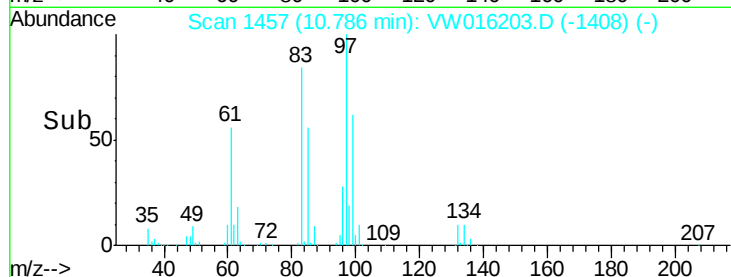
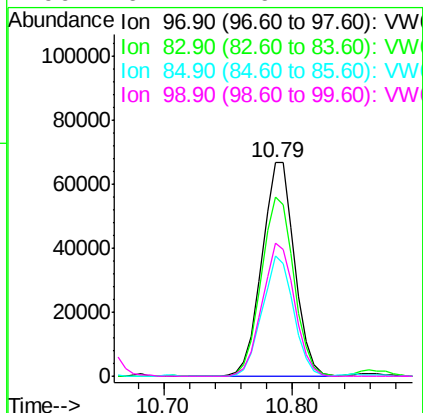
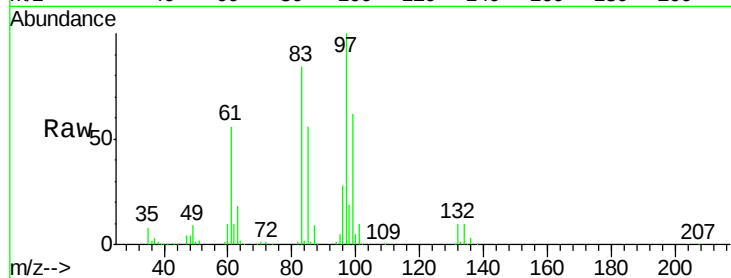




#55
 1,1,2-Trichloroethane
 Concen: 52.551 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

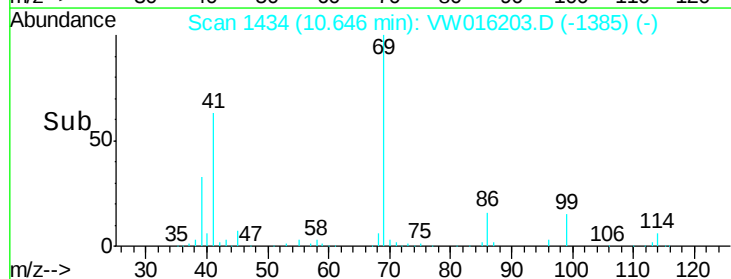
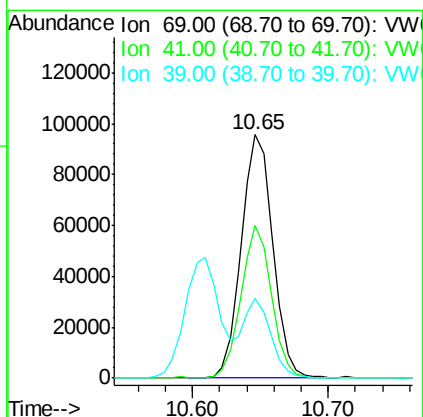
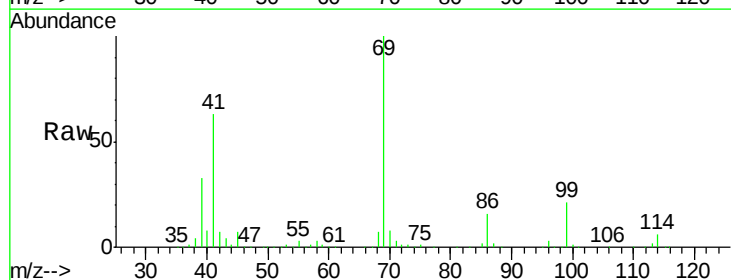
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

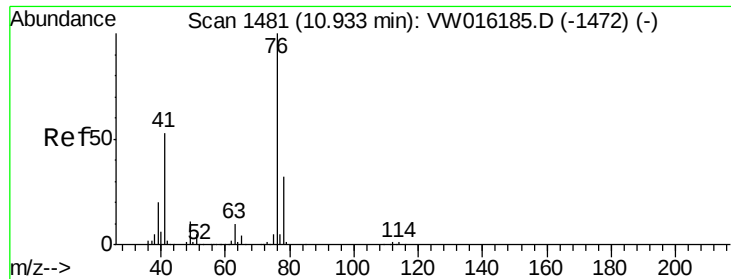
Tgt Ion:	97	Resp:	116907
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.6	100.0
85	56.1	43.0	64.4
99	62.1	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 61.236 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Tgt Ion:	69	Resp:	155354
Ion	Ratio	Lower	Upper
69	100		
41	59.7	47.6	71.4
39	30.0	24.6	36.8

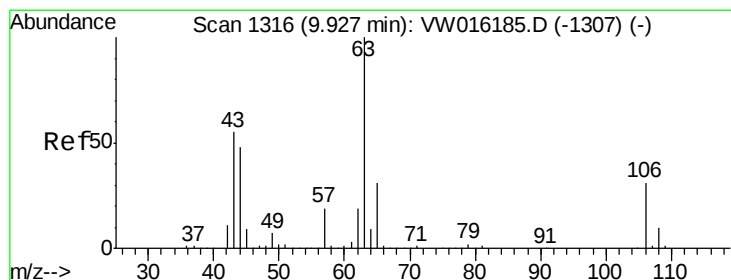
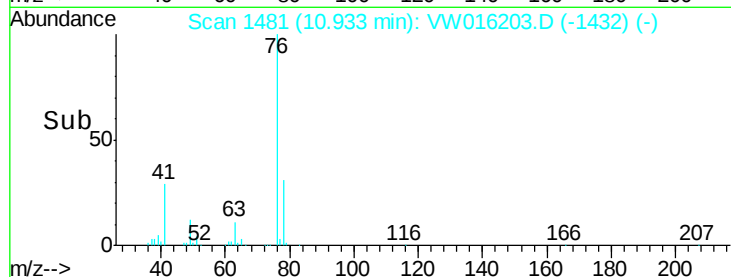
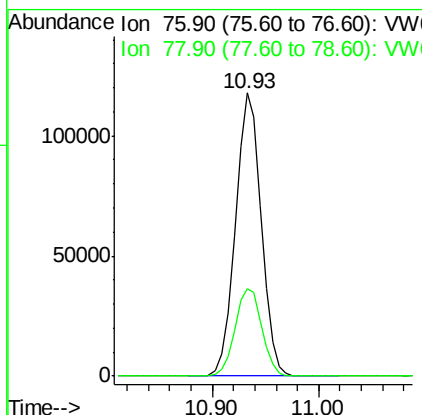
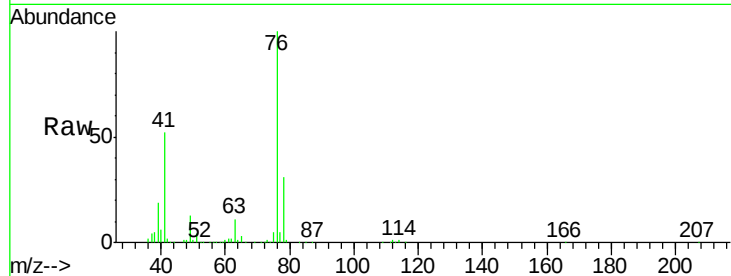




#57
 1,3-Dichloropropane
 Concen: 52.748 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

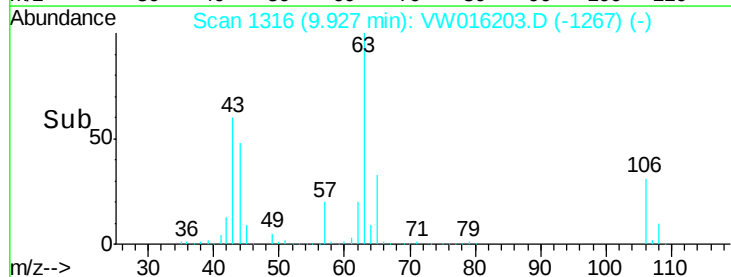
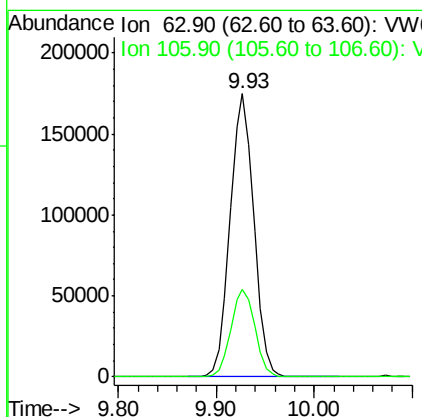
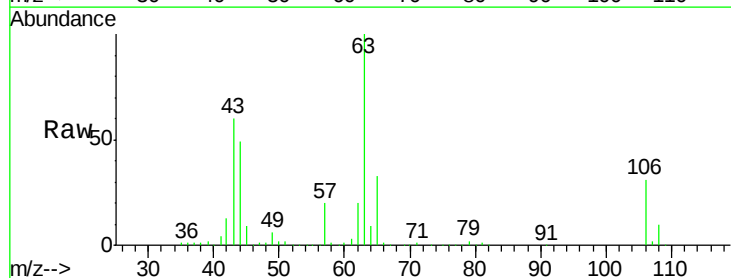
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

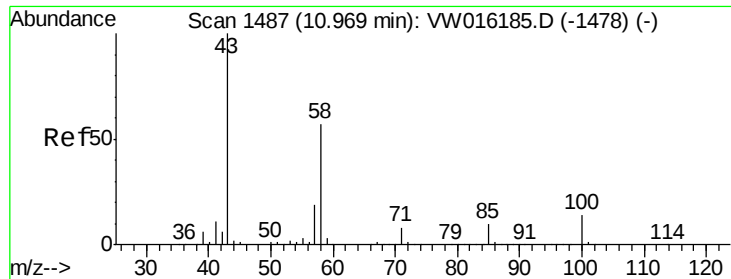
Tgt Ion: 76 Resp: 199653
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.359 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Tgt Ion: 63 Resp: 294213
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.9 37.3





#59

2-Hexanone

Concen: 299.131 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

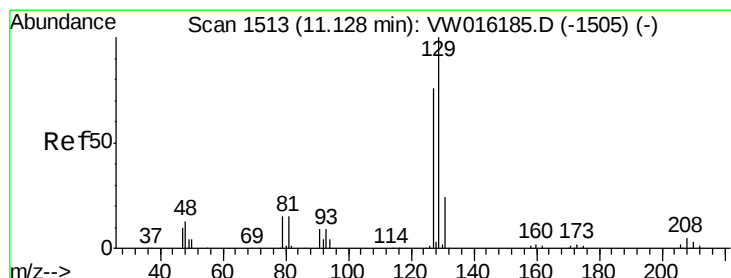
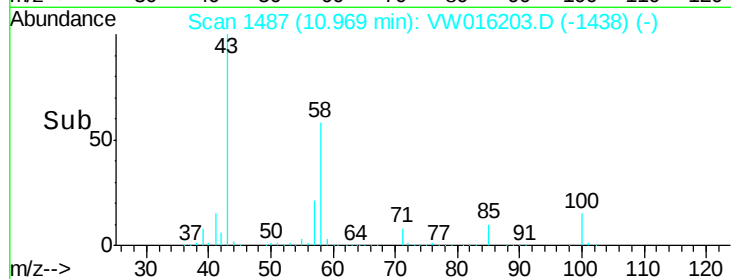
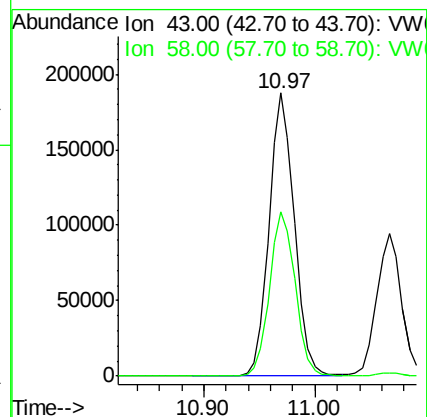
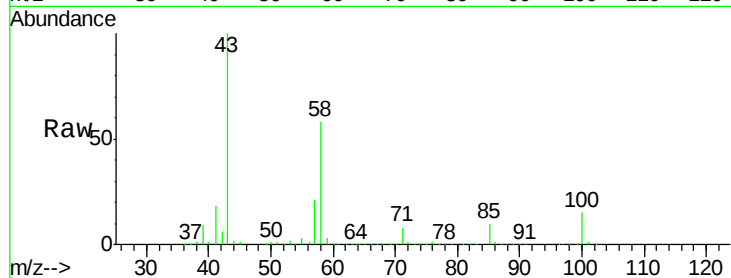
VSTDCCC050EC

Tgt Ion: 43 Resp: 297306

Ion Ratio Lower Upper

43 100

58 59.0 28.8 86.5



#60

Dibromochloromethane

Concen: 52.504 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016203.D

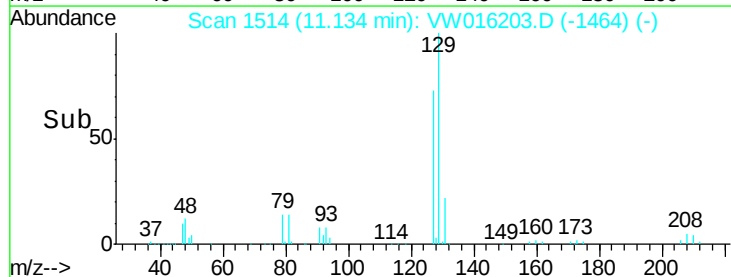
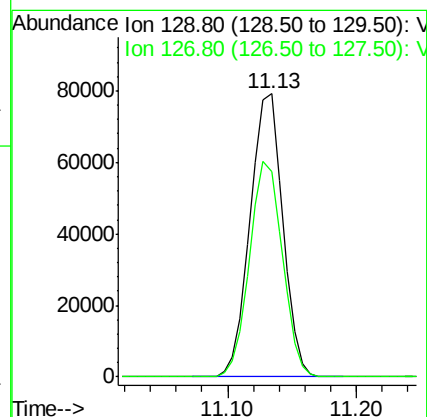
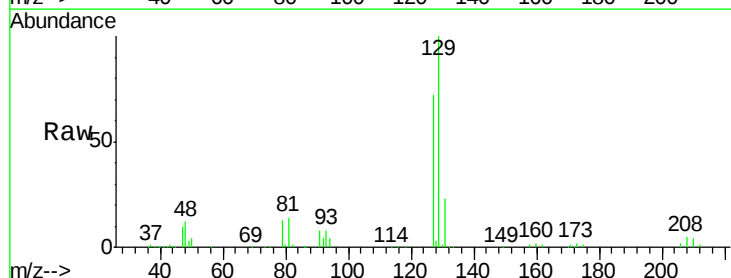
Acq: 14 Aug 2020 20:04

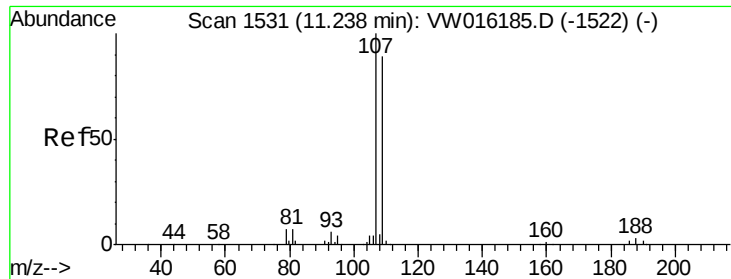
Tgt Ion: 129 Resp: 138948

Ion Ratio Lower Upper

129 100

127 76.6 38.3 114.8

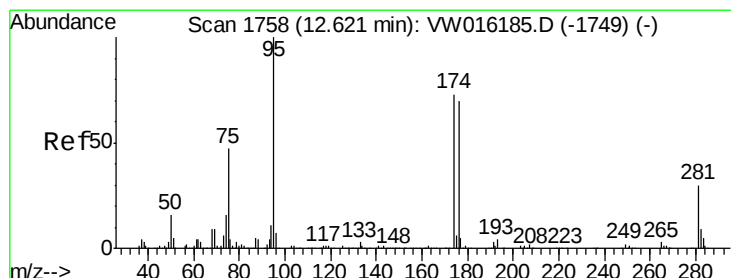
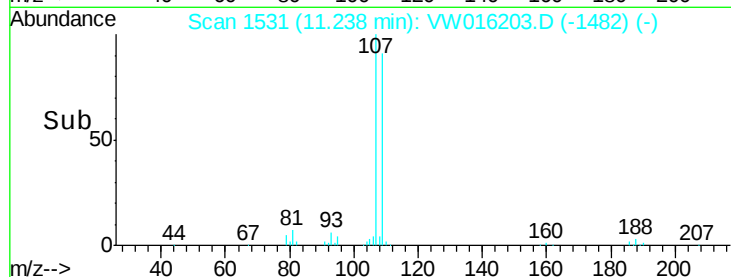
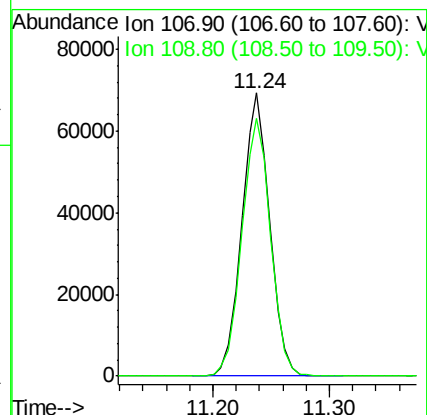
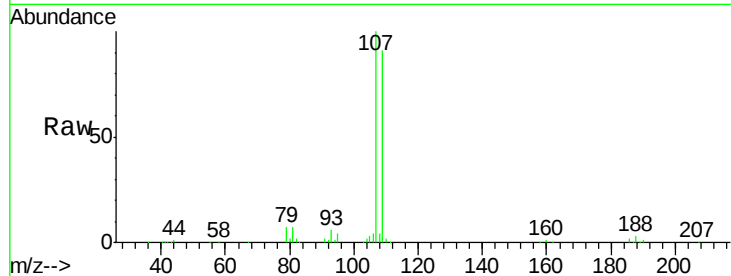




#61
 1,2-Dibromoethane
 Concen: 53.727 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

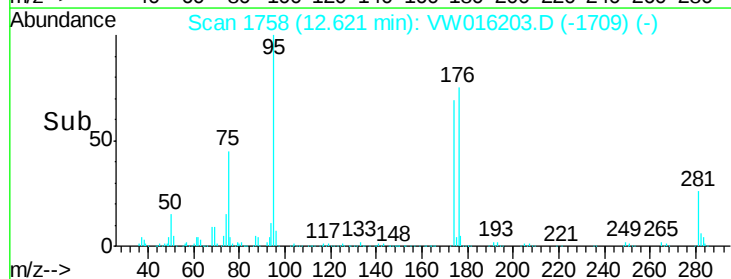
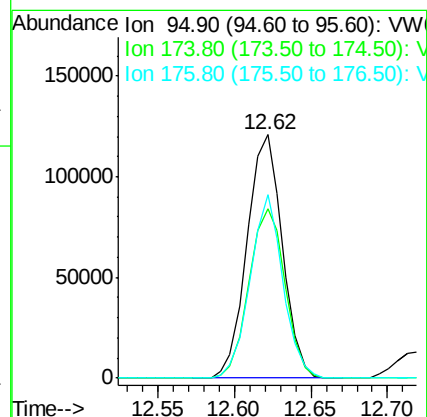
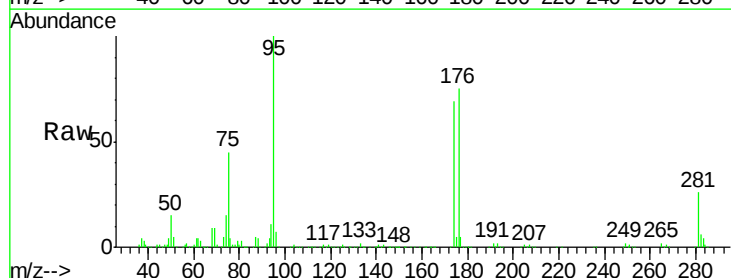
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

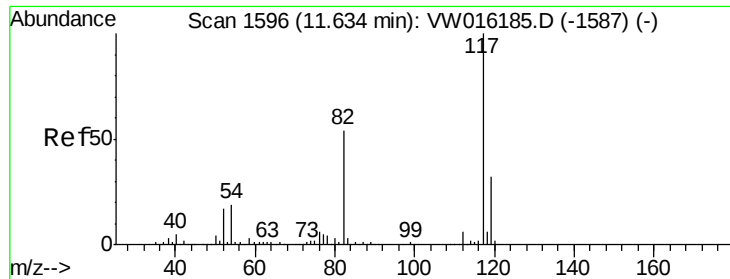
Tgt Ion: 107 Resp: 115058
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 50.162 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Tgt Ion: 95 Resp: 193588
 Ion Ratio Lower Upper
 95 100
 174 71.2 0.0 145.6
 176 69.7 0.0 137.8

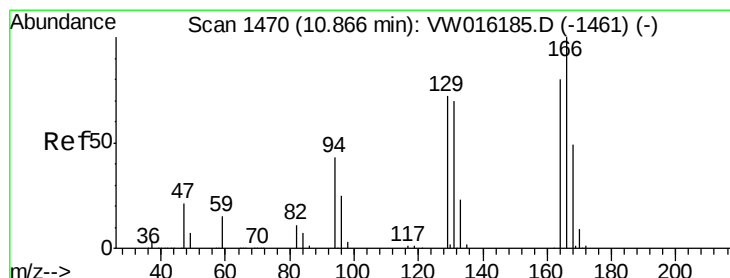
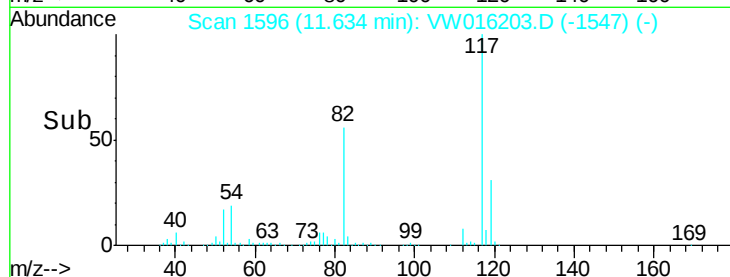
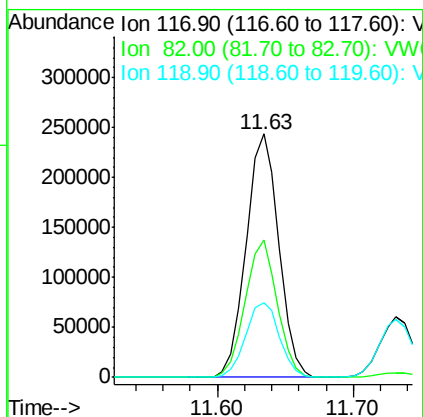
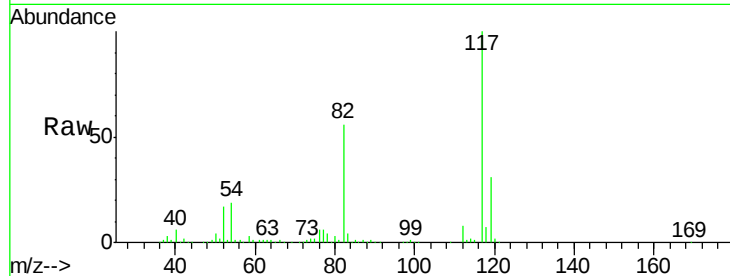




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

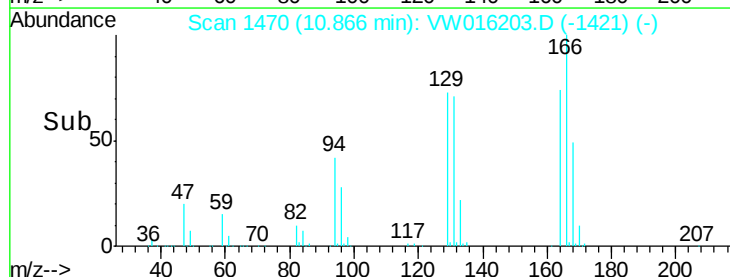
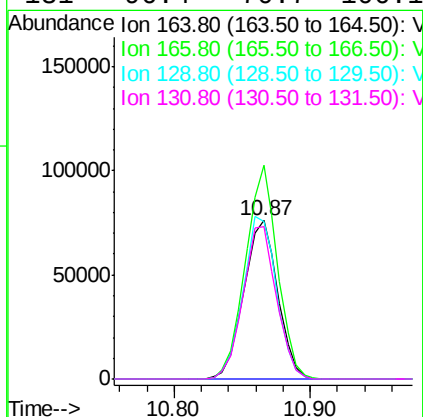
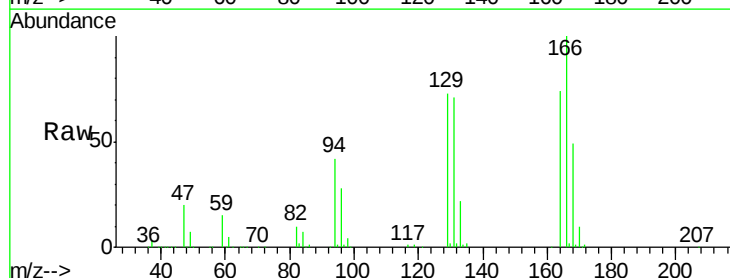
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

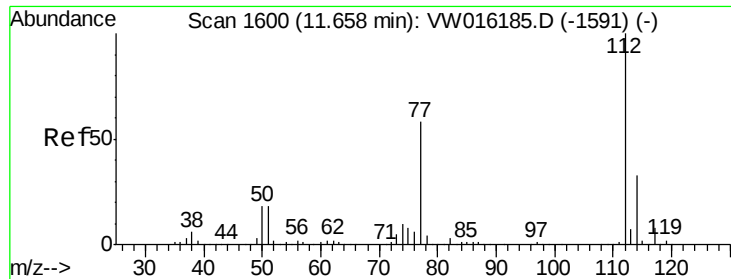
Tgt Ion:117 Resp: 409507
Ion Ratio Lower Upper
117 100
82 56.4 43.6 65.4
119 30.7 25.4 38.0



#64
Tetrachloroethene
Concen: 49.397 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion:164 Resp: 132729
Ion Ratio Lower Upper
164 100
166 135.0 100.3 150.5
129 99.2 72.2 108.4
131 96.4 70.7 106.1

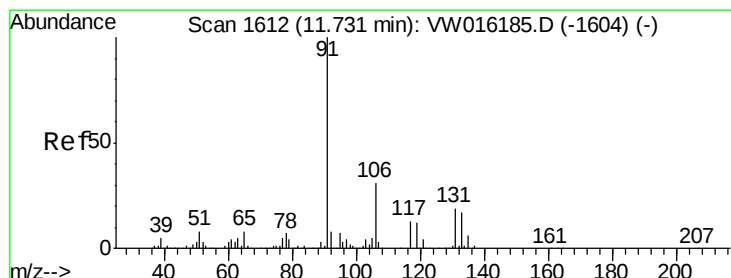
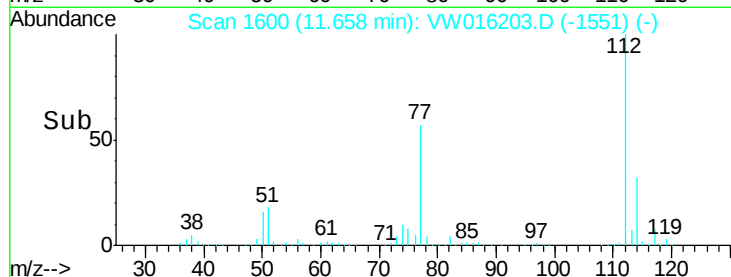
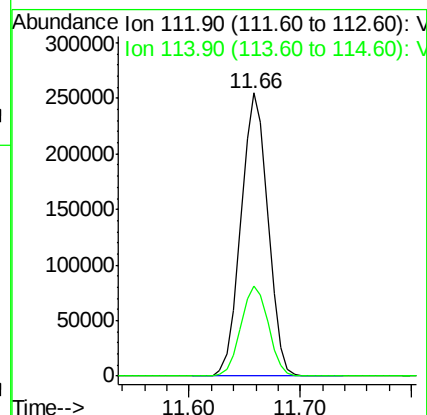
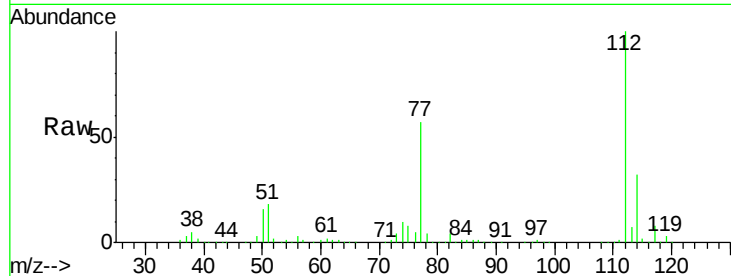




#65
Chlorobenzene
Concen: 50.829 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

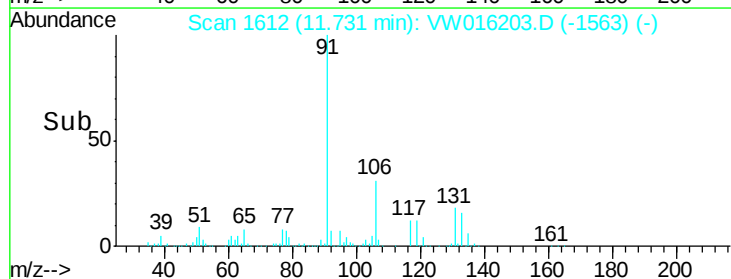
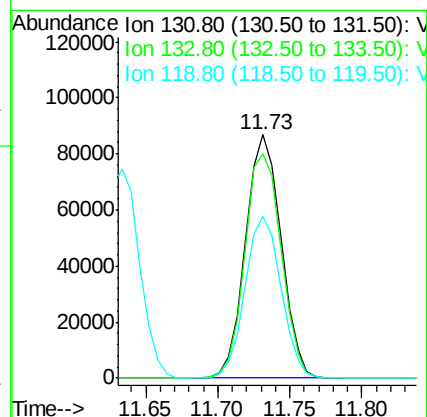
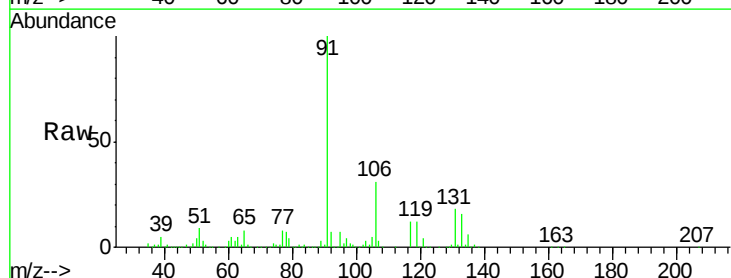
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

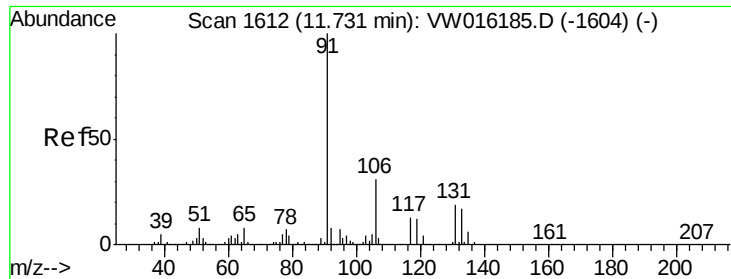
Tgt Ion:112 Resp: 426623
Ion Ratio Lower Upper
112 100
114 31.9 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.605 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion:131 Resp: 148468
Ion Ratio Lower Upper
131 100
133 94.5 47.1 141.3
119 67.2 33.1 99.3

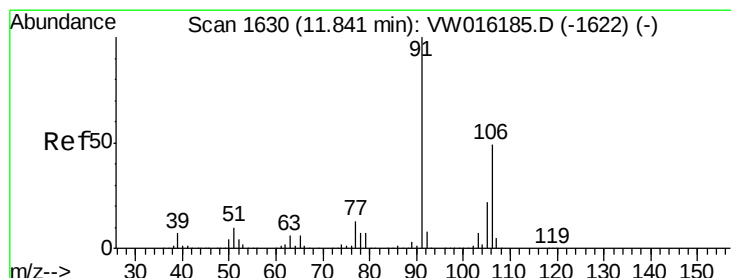
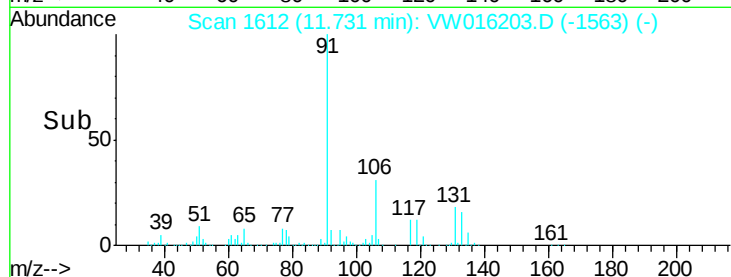
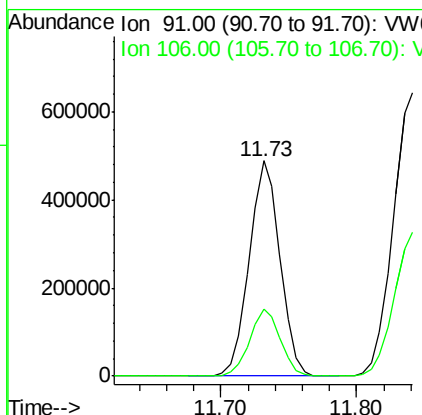
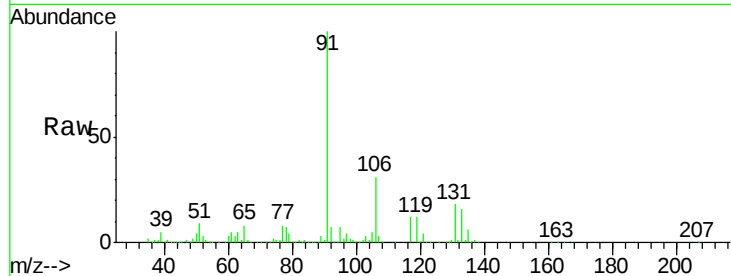




#67
Ethyl Benzene
Concen: 51.355 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

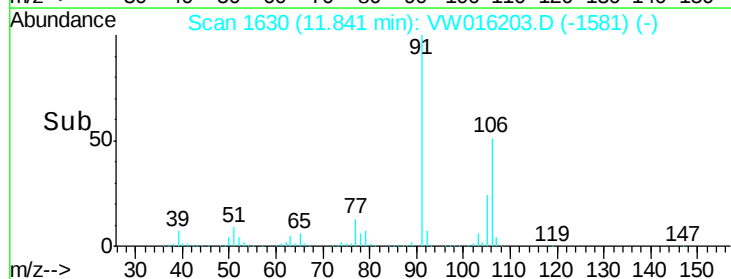
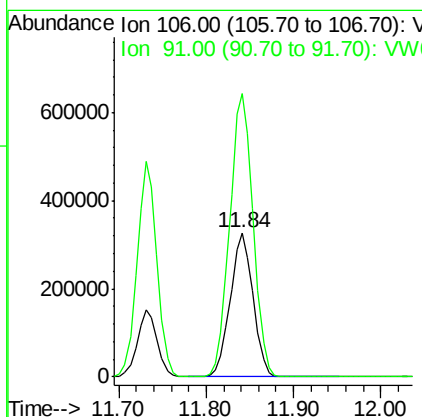
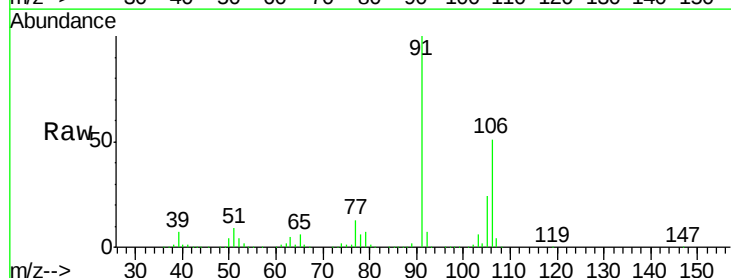
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

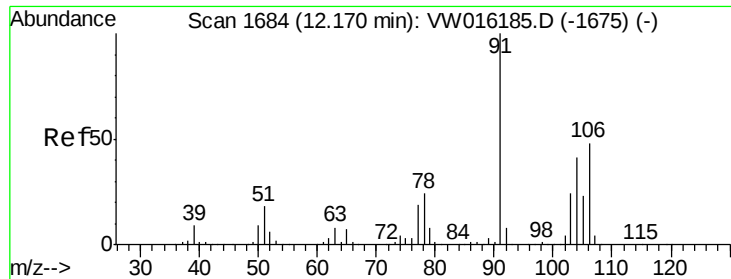
Tgt Ion: 91 Resp: 774675
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 101.858 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 106 Resp: 590583
Ion Ratio Lower Upper
106 100
91 201.8 161.4 242.2

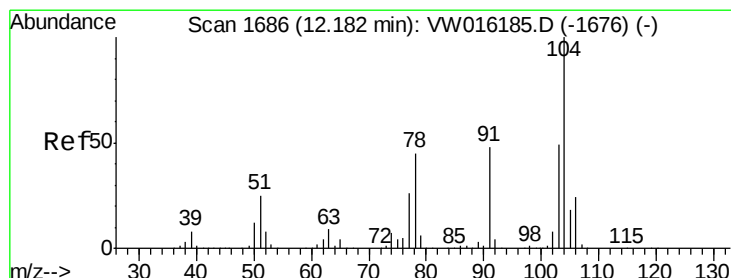
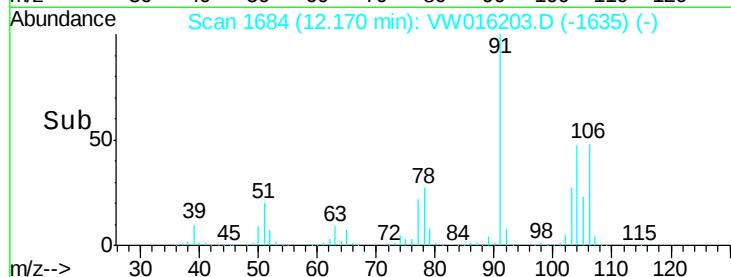
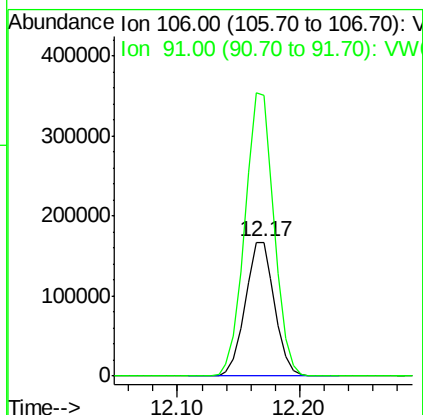
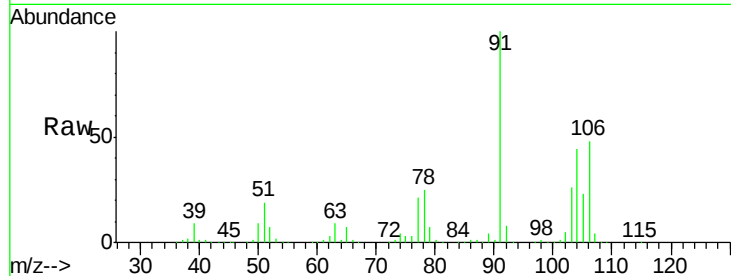




#69
o-Xylene
Concen: 53.694 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

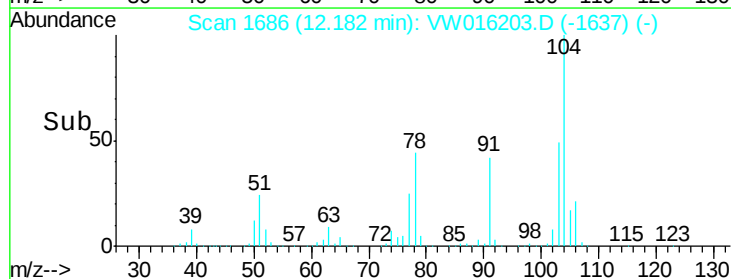
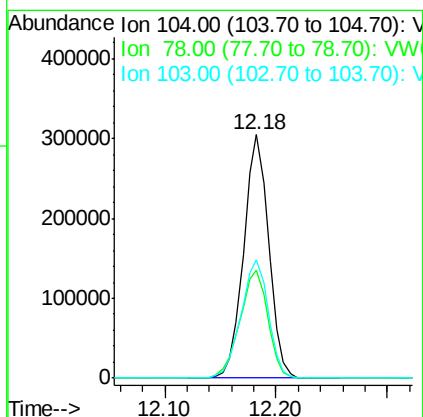
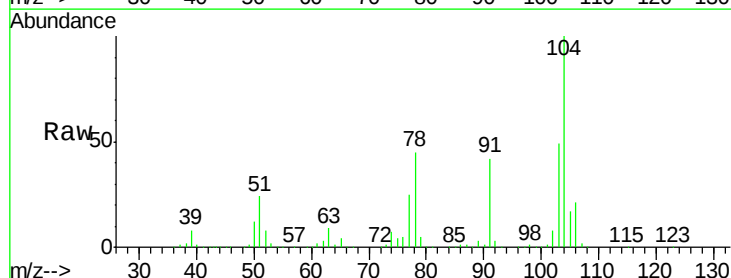
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

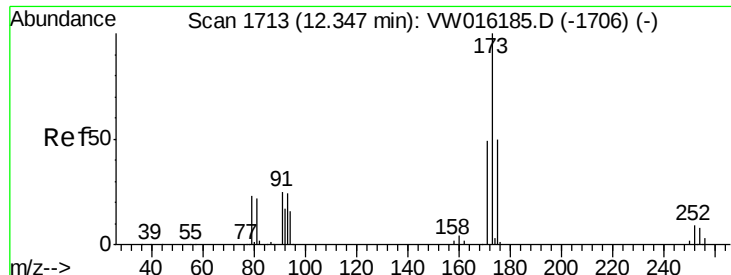
Tgt Ion:106 Resp: 277360
Ion Ratio Lower Upper
106 100
91 211.2 106.0 317.9



#70
Styrene
Concen: 53.263 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion:104 Resp: 476096
Ion Ratio Lower Upper
104 100
78 49.4 39.4 59.2
103 53.0 42.9 64.3





#71

Bromoform

Concen: 56.318 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

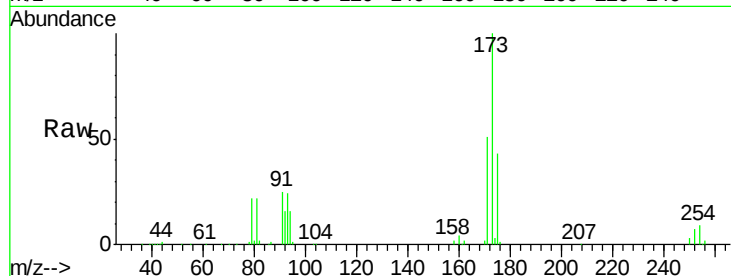
Tgt Ion:173 Resp: 73947

Ion Ratio Lower Upper

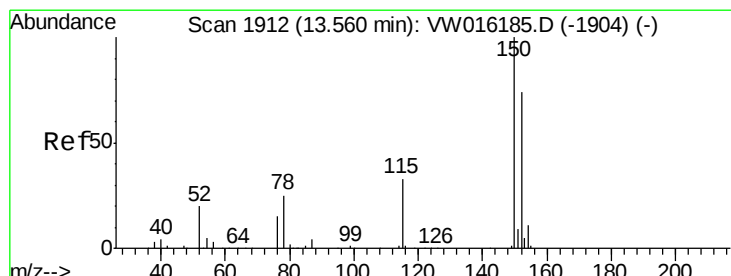
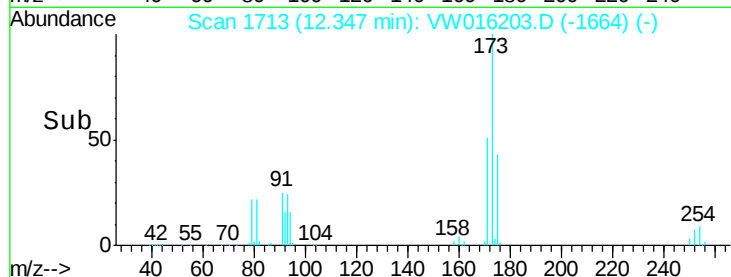
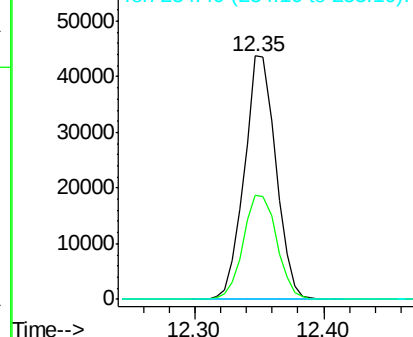
173 100

175 45.4 24.7 74.1

254 0.2 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

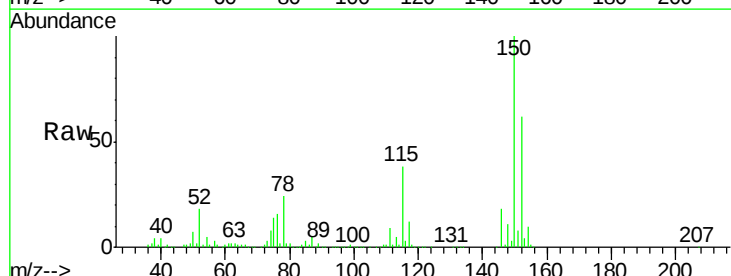
Tgt Ion:152 Resp: 191057

Ion Ratio Lower Upper

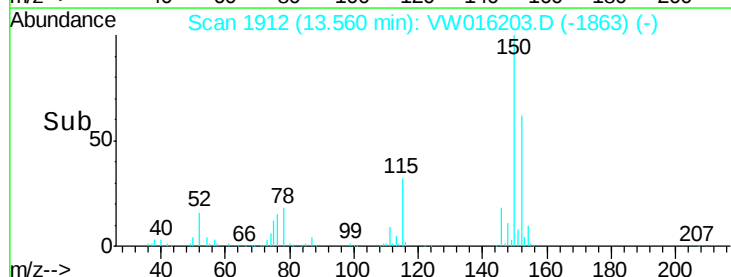
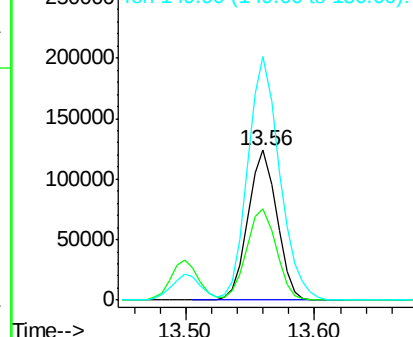
152 100

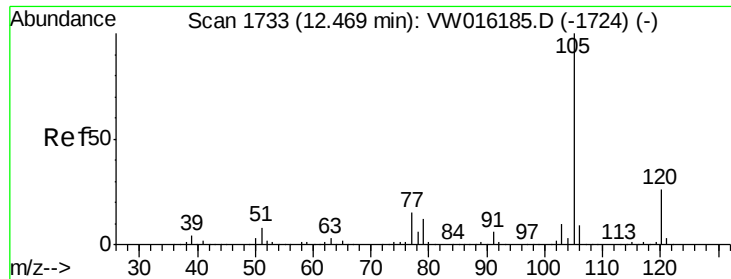
115 62.9 30.9 92.5

150 179.7 0.0 337.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.281 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

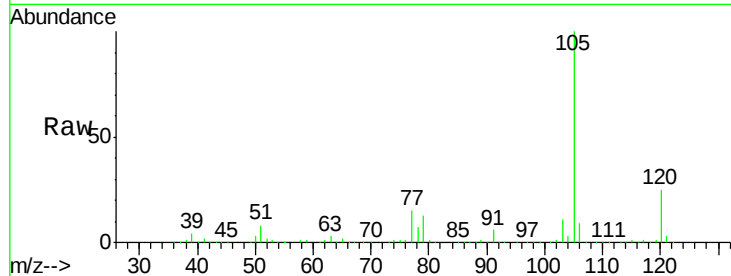
VSTDCCC050EC

Tgt Ion: 105 Resp: 746600

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

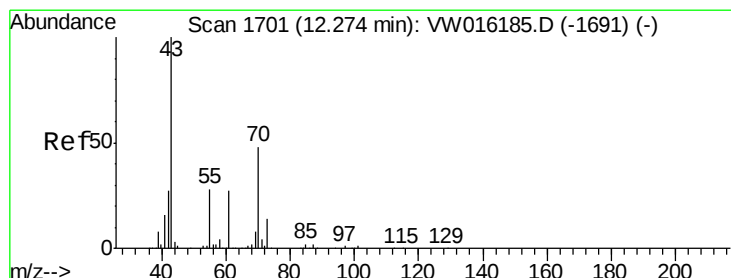
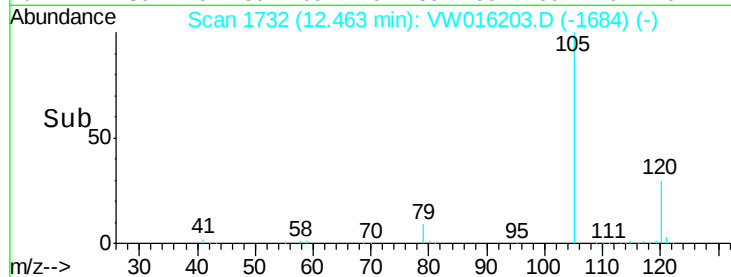
300000

200000

100000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 61.477 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Tgt Ion: 43 Resp: 160289

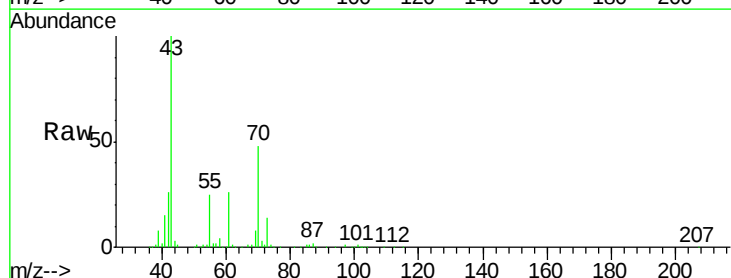
Ion Ratio Lower Upper

43 100

70 48.5 38.6 58.0

55 26.4 22.2 33.2

61 27.0 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

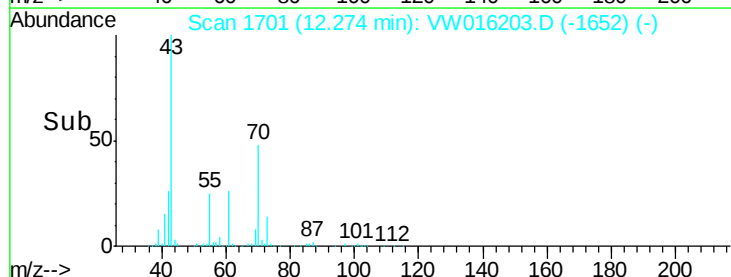
150000

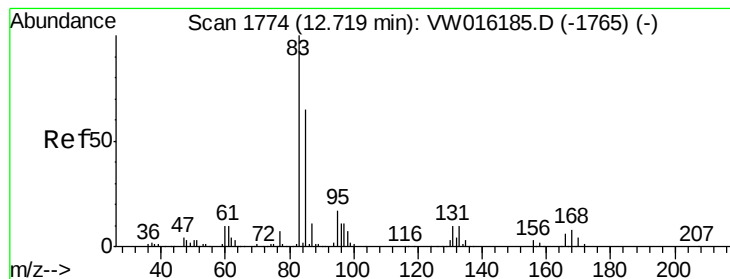
100000

50000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 53.919 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

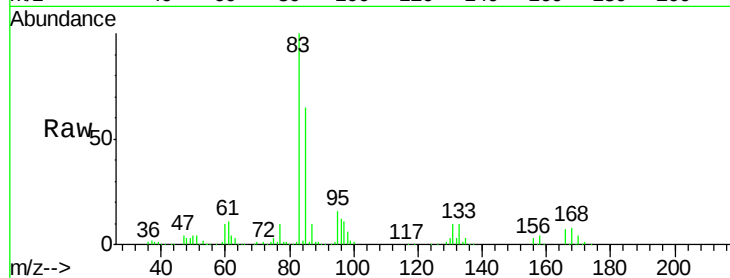
Tgt Ion: 83 Resp: 131356

Ion Ratio Lower Upper

83 100

131 10.7 5.6 16.8

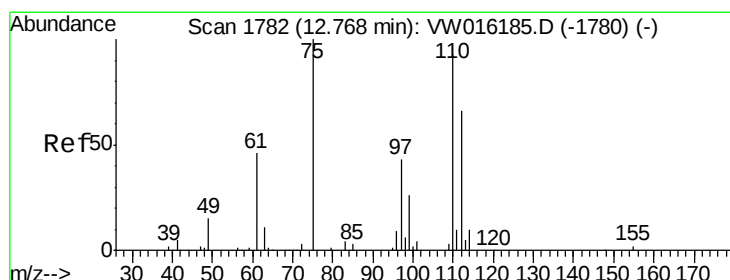
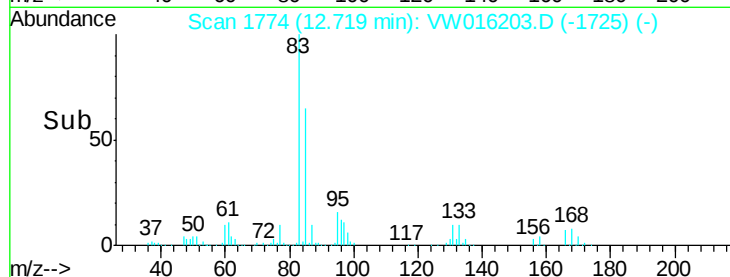
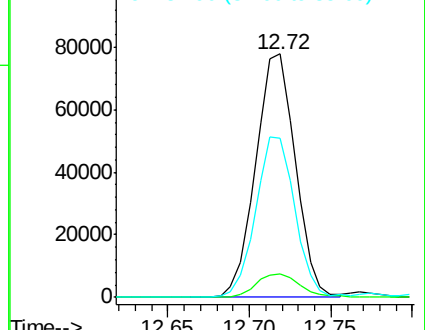
85 65.3 31.3 93.9



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: 94.732 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016203.D

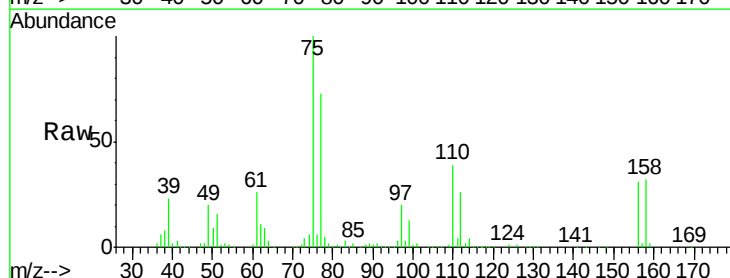
Acq: 14 Aug 2020 20:04

Tgt Ion: 75 Resp: 166453

Ion Ratio Lower Upper

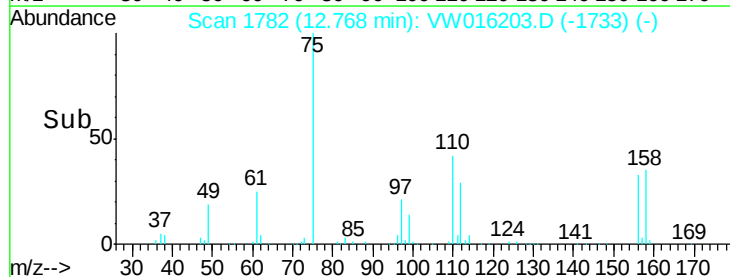
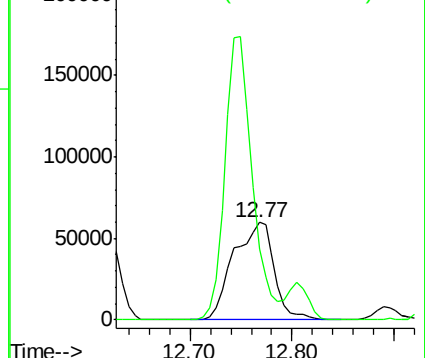
75 100

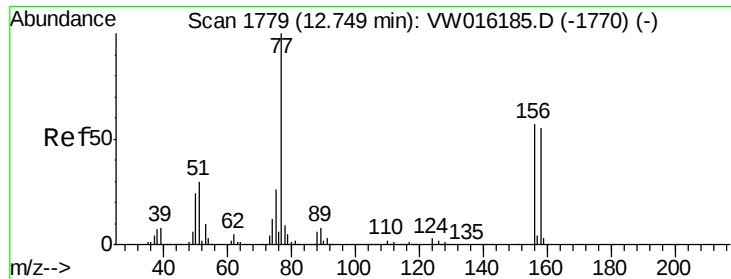
77 193.3 173.6 520.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.613 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

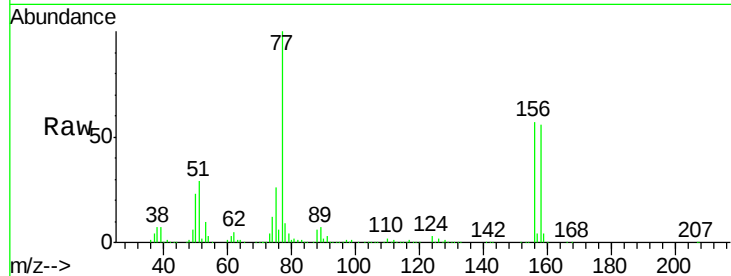
Tgt Ion:156 Resp: 166207

Ion Ratio Lower Upper

156 100

77 193.5 97.9 293.6

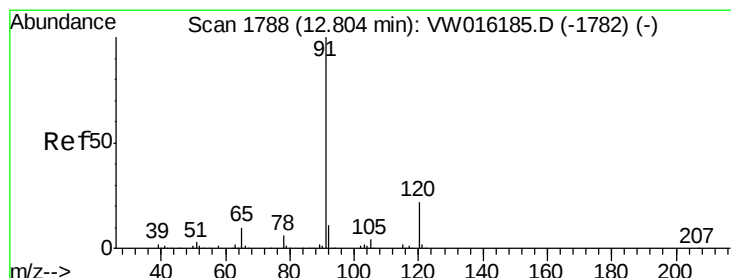
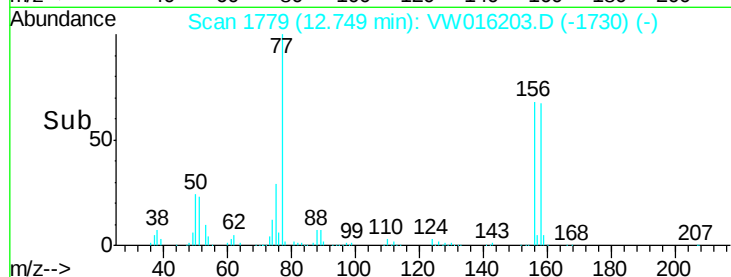
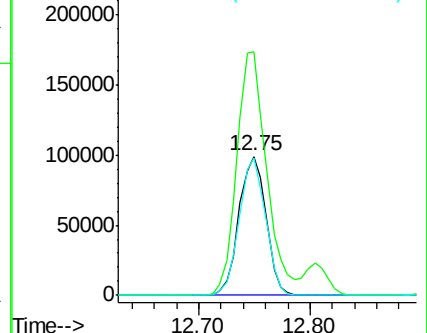
158 96.3 49.0 147.2



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: 51.323 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016203.D

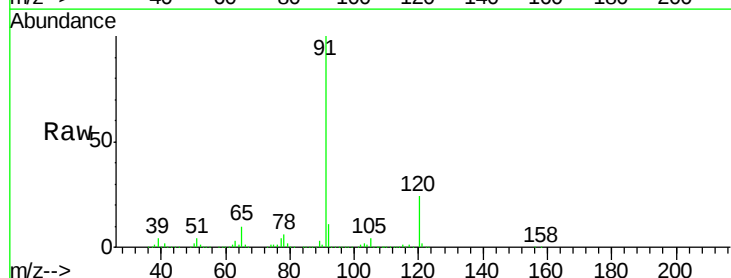
Acq: 14 Aug 2020 20:04

Tgt Ion: 91 Resp: 891910

Ion Ratio Lower Upper

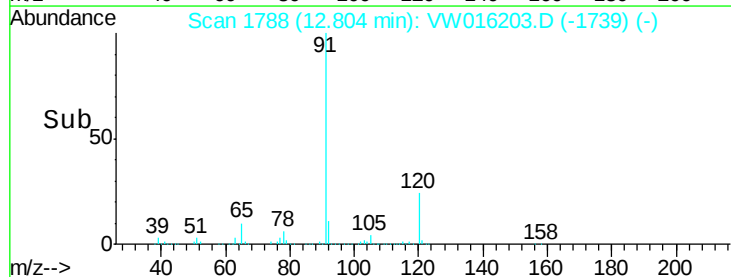
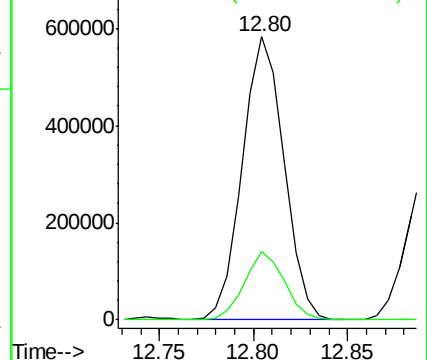
91 100

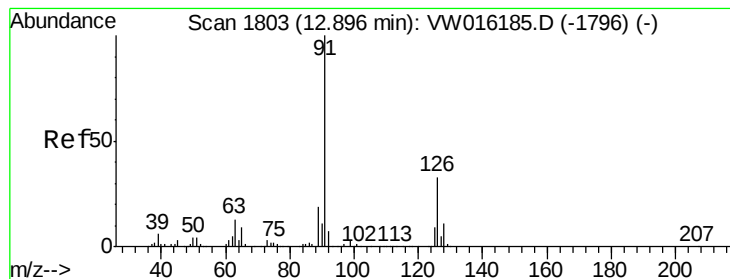
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.198 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

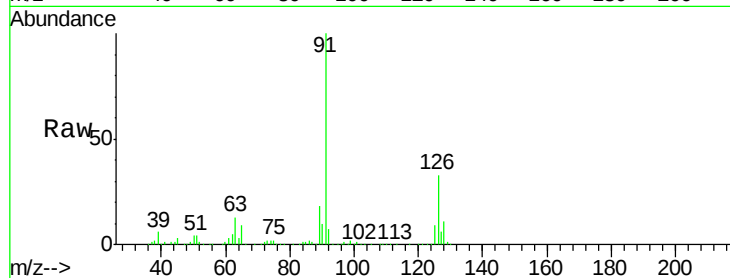
VSTDCCC050EC

Tgt Ion: 91 Resp: 513959

Ion Ratio Lower Upper

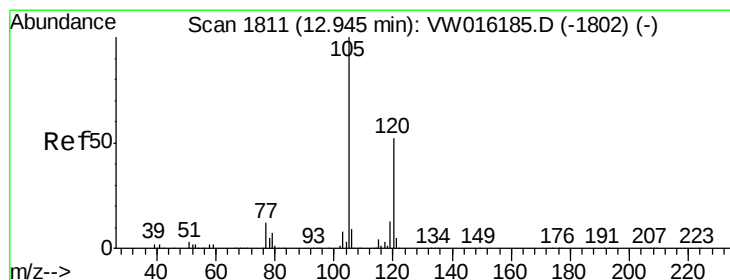
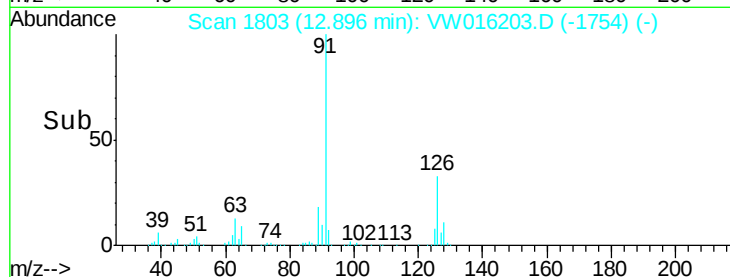
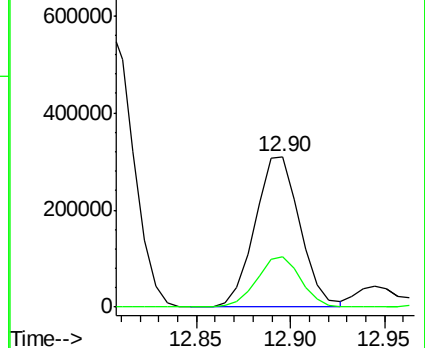
91 100

126 32.6 16.4 49.2



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: 51.376 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016203.D

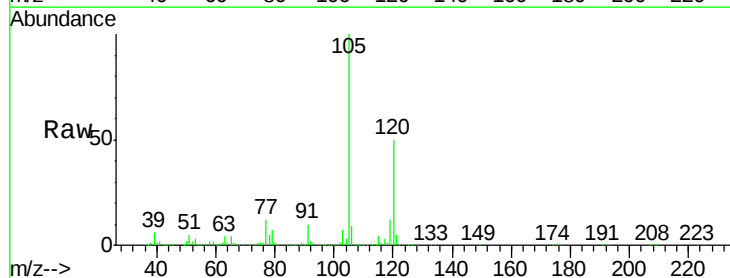
Acq: 14 Aug 2020 20:04

Tgt Ion: 105 Resp: 642096

Ion Ratio Lower Upper

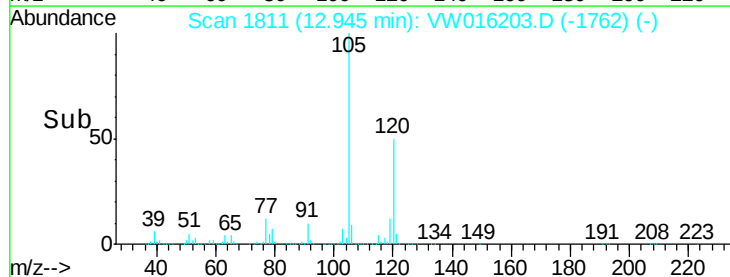
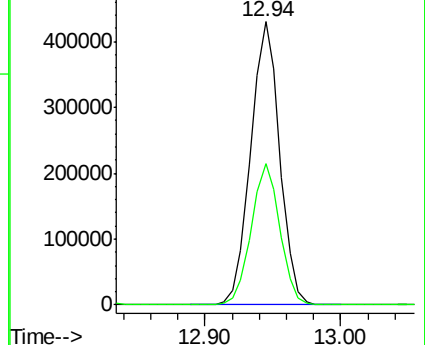
105 100

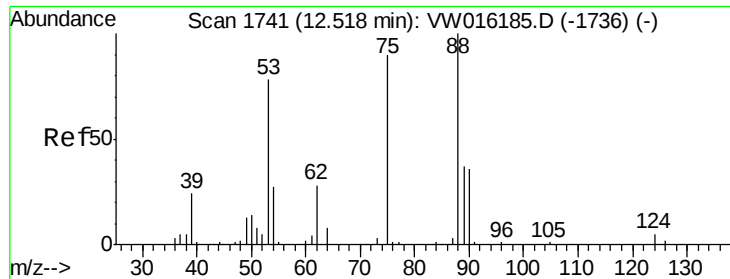
120 49.4 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

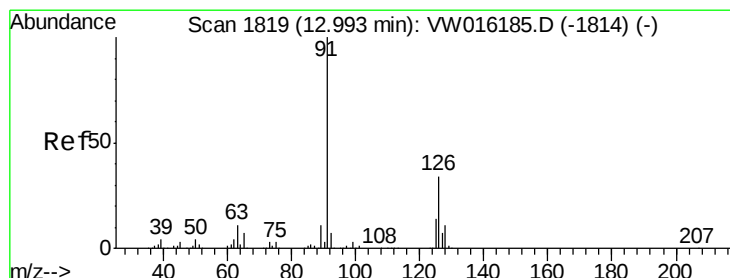
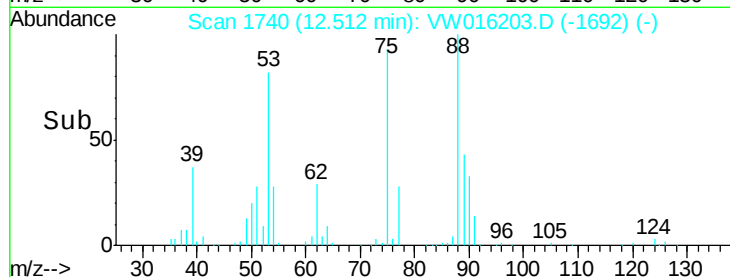
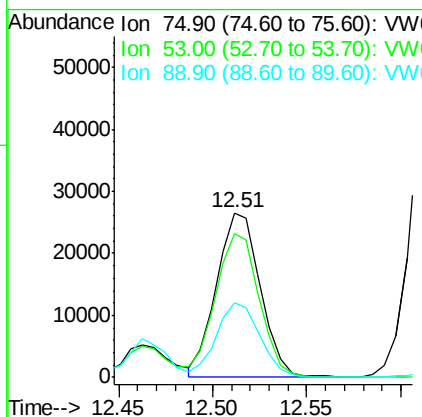
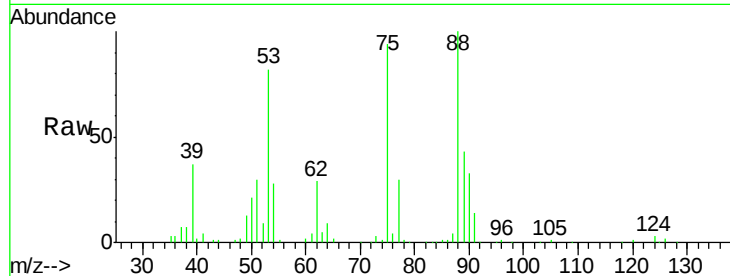




#81
trans-1,4-Dichloro-2-butene
Concen: 57.941 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

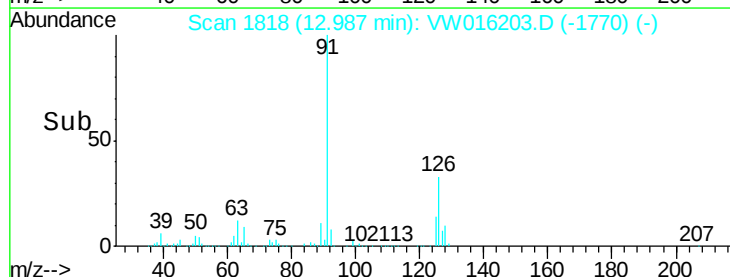
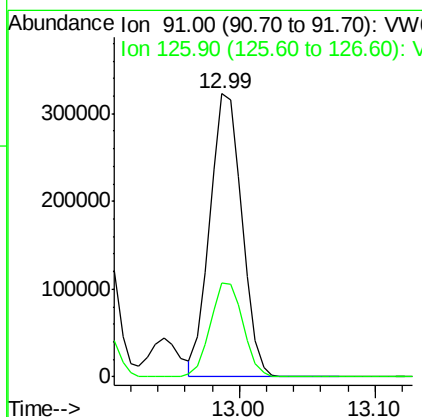
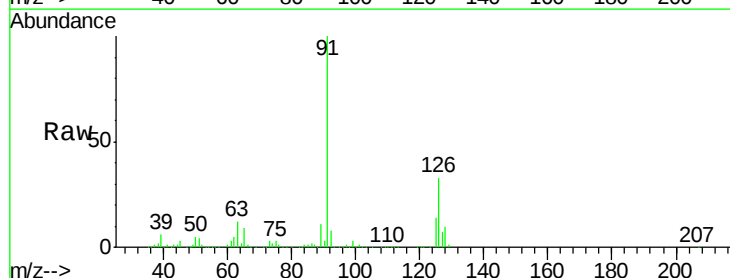
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

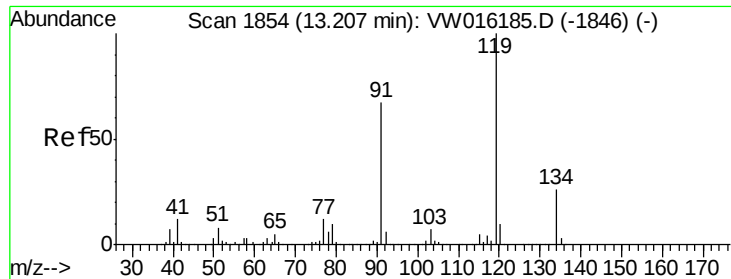
Tgt Ion: 75 Resp: 42444
Ion Ratio Lower Upper
75 100
53 88.0 74.6 111.8
89 45.4 37.2 55.8



#82
4-Chlorotoluene
Concen: 50.296 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion: 91 Resp: 525638
Ion Ratio Lower Upper
91 100
126 33.8 16.6 49.8

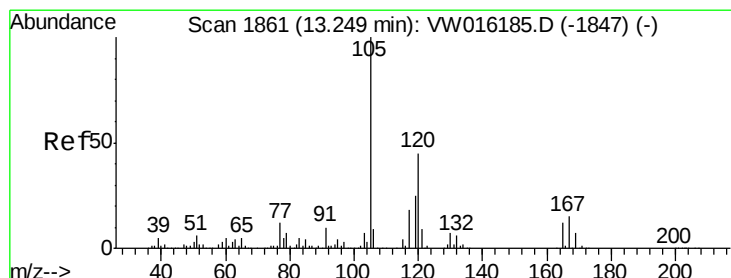
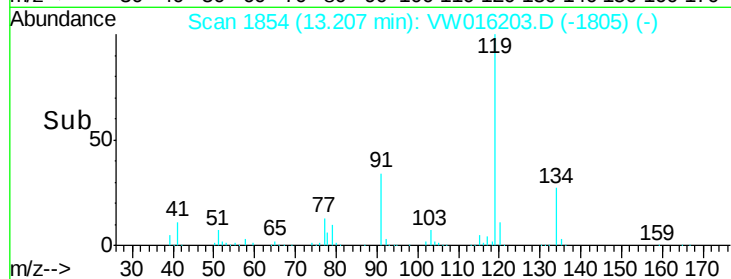
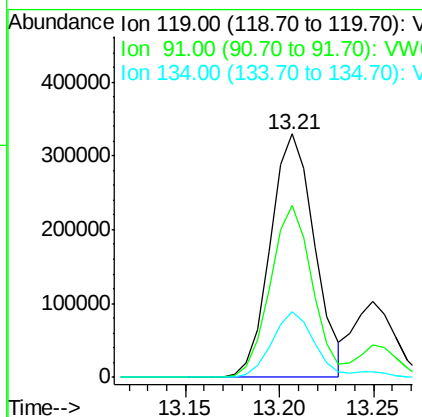
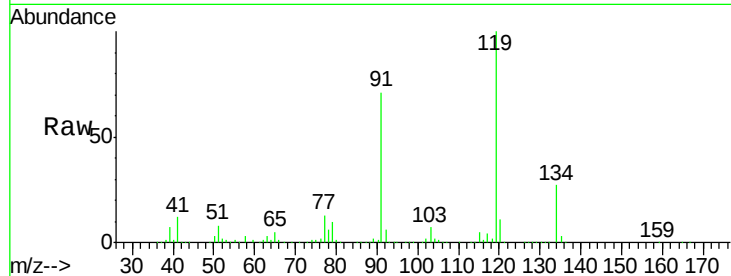




#83
 tert-Butylbenzene
 Concen: 52.278 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

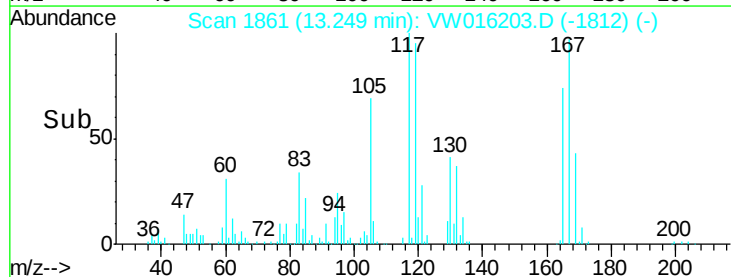
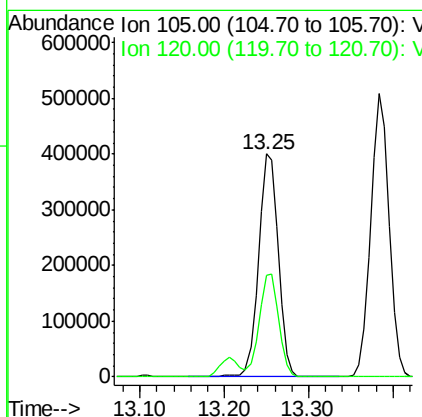
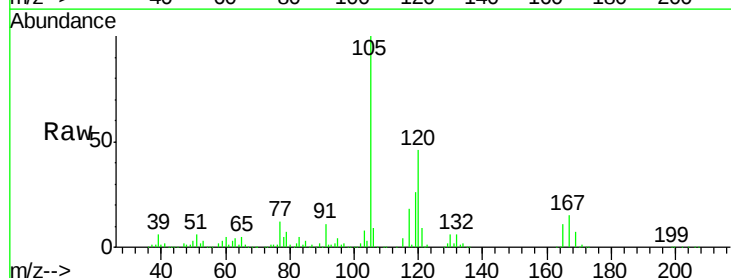
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

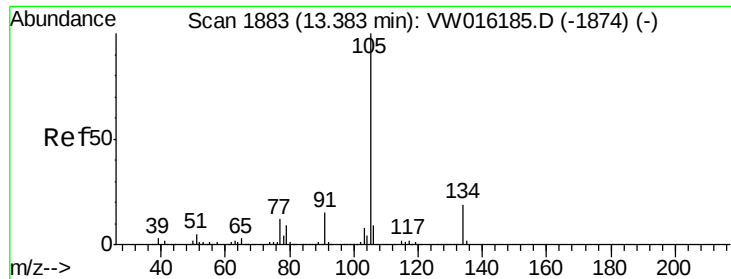
Tgt Ion:119 Resp: 535470
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.3 99.9
 134 25.7 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 52.246 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Tgt Ion:105 Resp: 646145
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.2 66.6

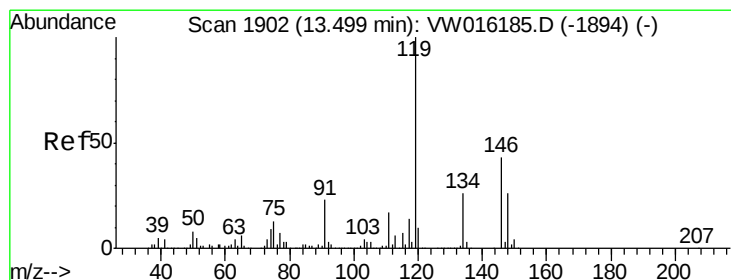
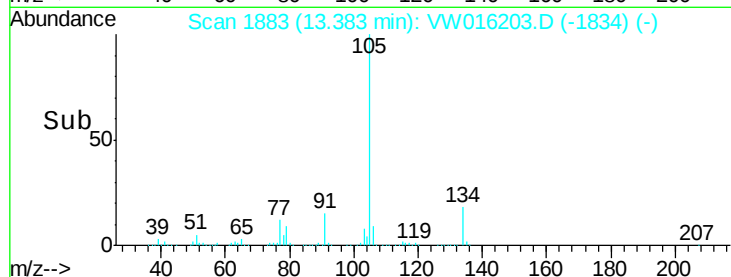
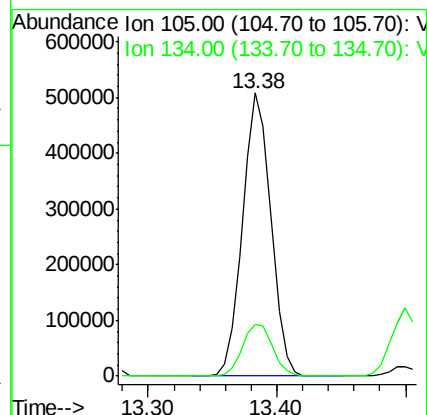
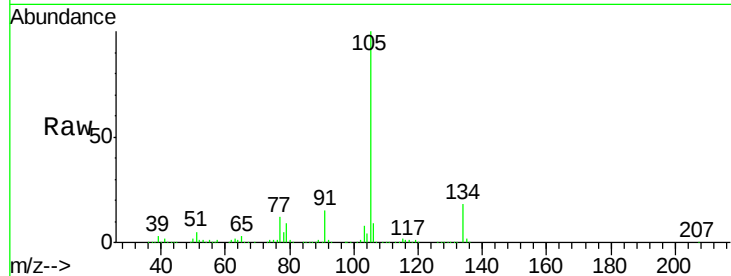




#85
 sec-Butylbenzene
 Concen: 51.729 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

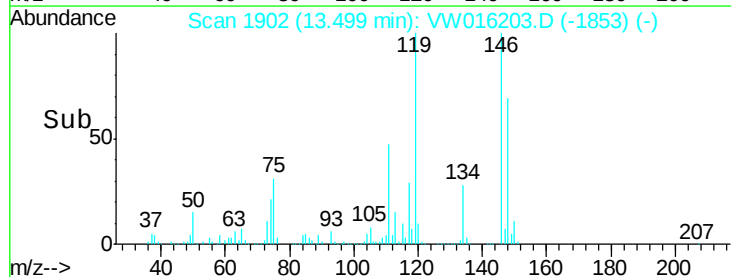
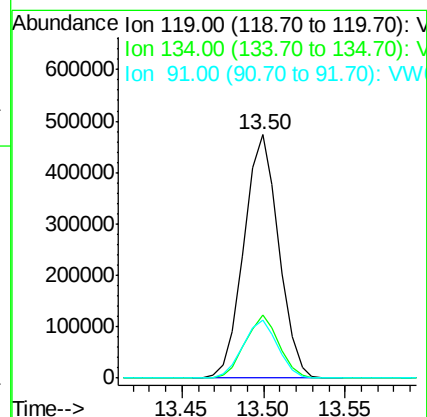
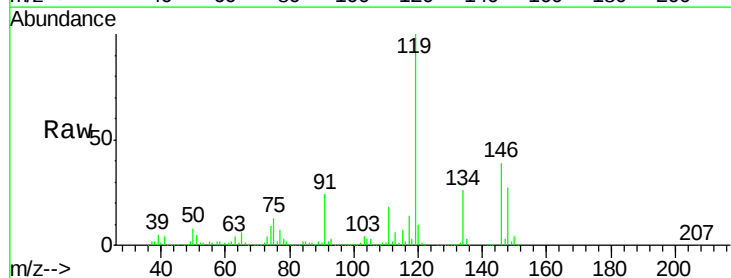
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

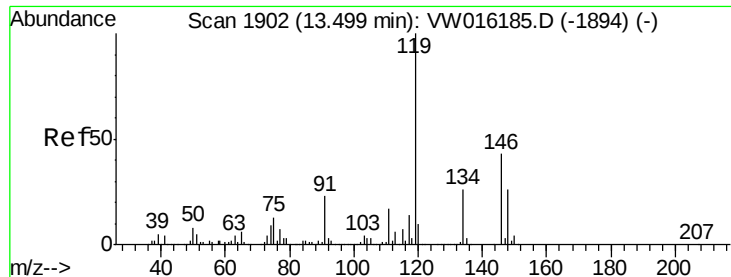
Tgt Ion:105 Resp: 770095
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 52.308 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Tgt Ion:119 Resp: 704321
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.4
 91 23.6 11.8 35.3

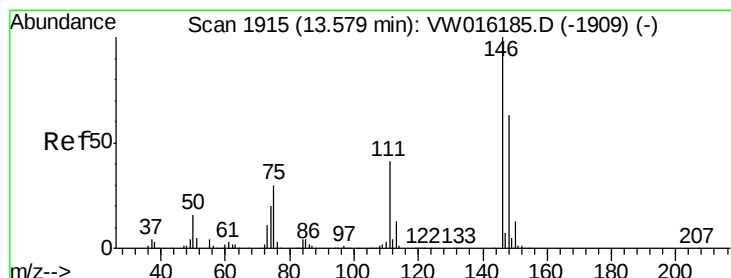
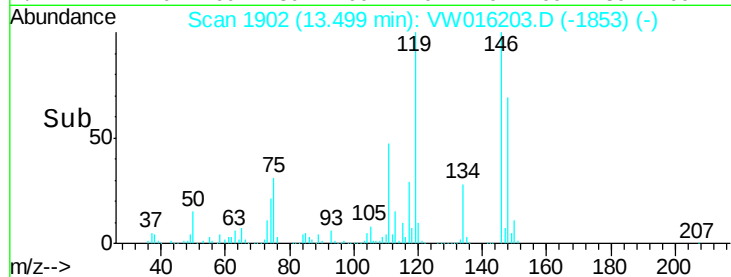
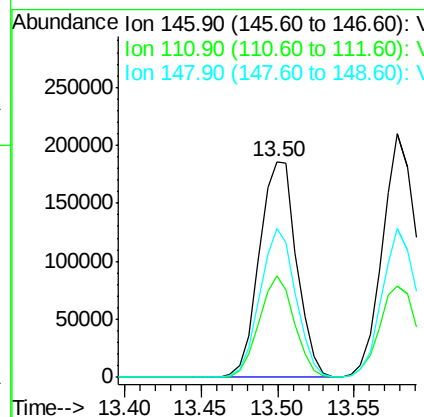
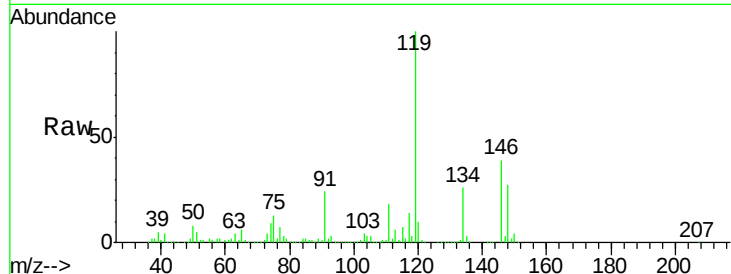




#87
 1,3-Dichlorobenzene
 Concen: 49.083 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

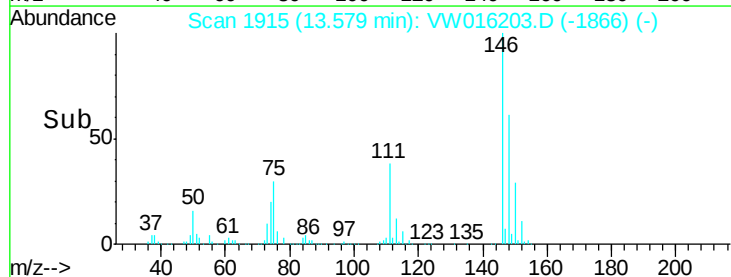
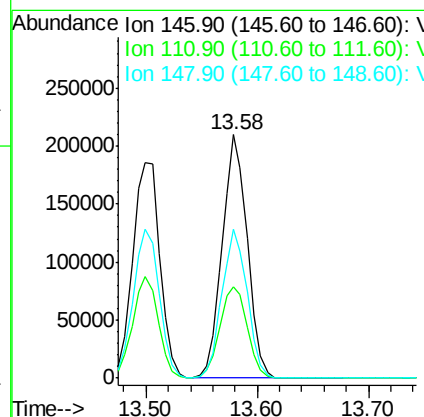
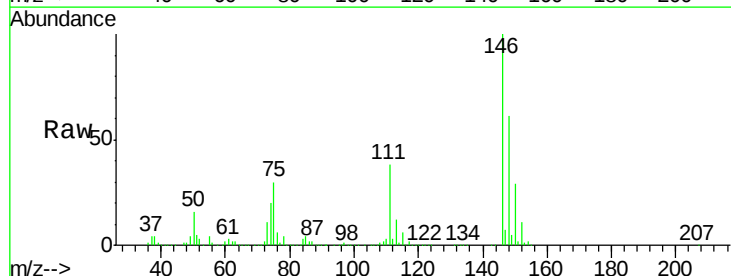
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

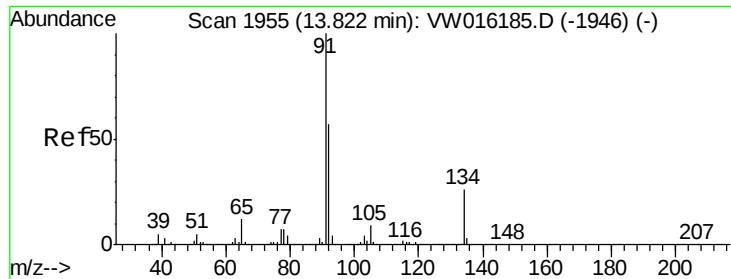
Tgt Ion:146 Resp: 316540
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.8 62.5
 148 65.8 31.1 93.5



#88
 1,4-Dichlorobenzene
 Concen: 51.442 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Tgt Ion:146 Resp: 326676
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.8 62.2
 148 61.8 32.1 96.3





#89

n-Butylbenzene

Concen: 52.762 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

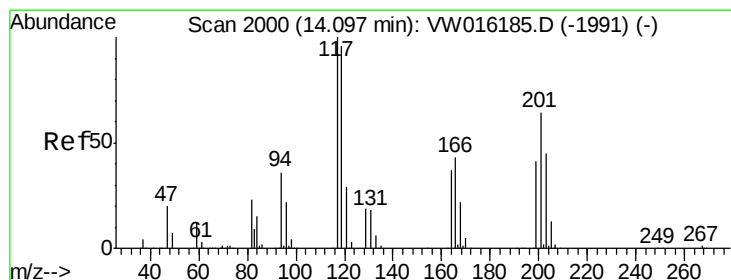
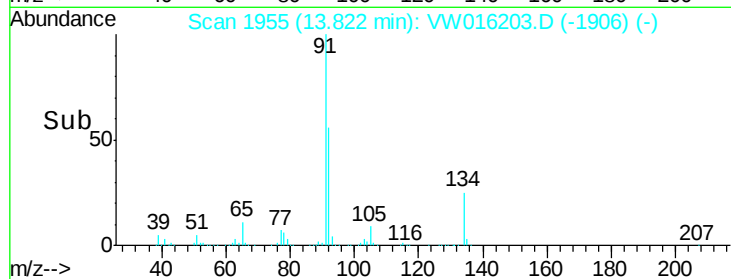
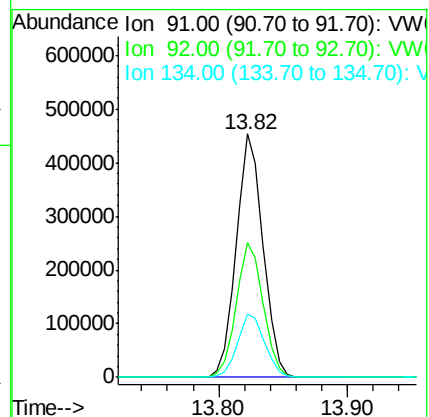
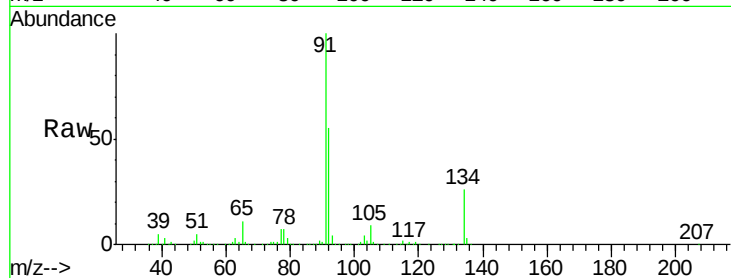
Tgt Ion: 91 Resp: 657240

Ion Ratio Lower Upper

91 100

92 55.5 27.4 82.2

134 26.4 13.0 39.0



#90

Hexachloroethane

Concen: 51.128 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW016203.D

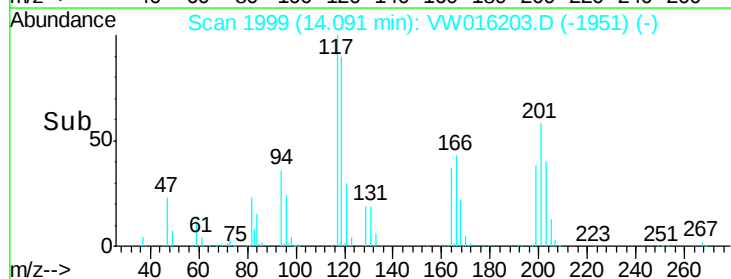
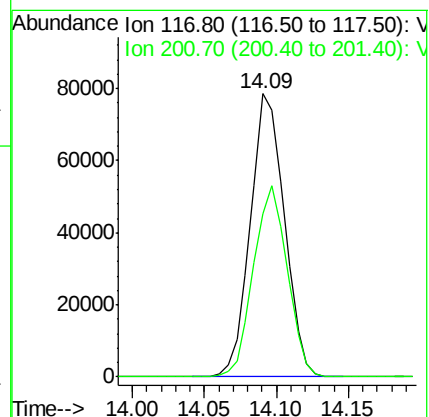
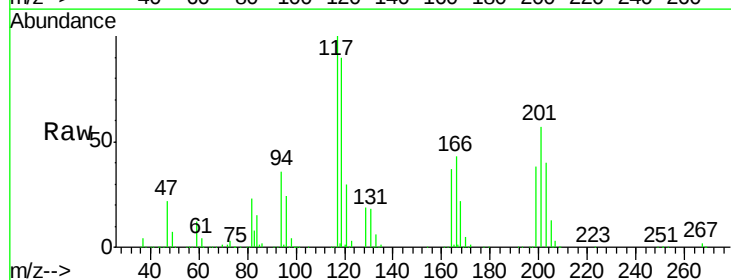
Acq: 14 Aug 2020 20:04

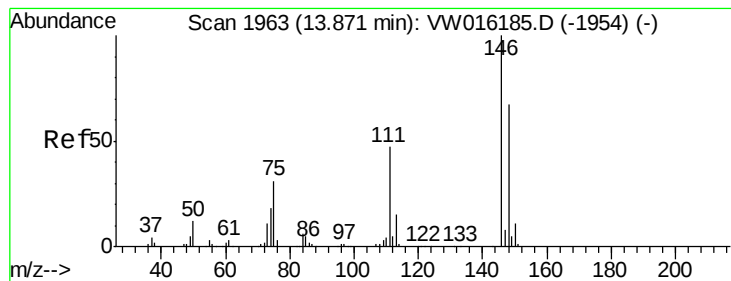
Tgt Ion: 117 Resp: 128476

Ion Ratio Lower Upper

117 100

201 67.0 33.8 101.3





#91

1,2-Dichlorobenzene

Concen: 50.815 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

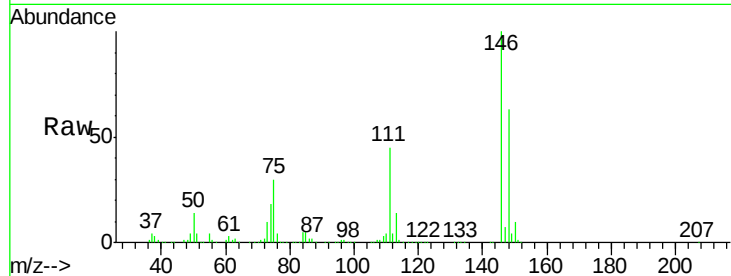
Tgt Ion:146 Resp: 285707

Ion Ratio Lower Upper

146 100

111 45.6 21.9 65.8

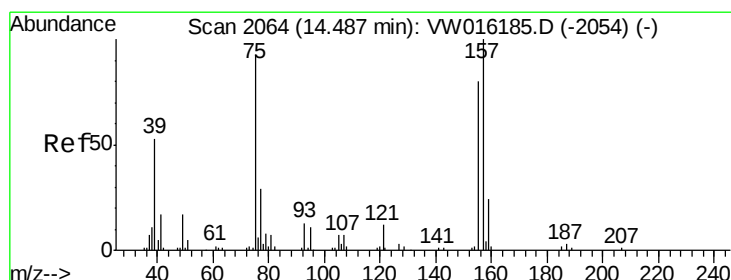
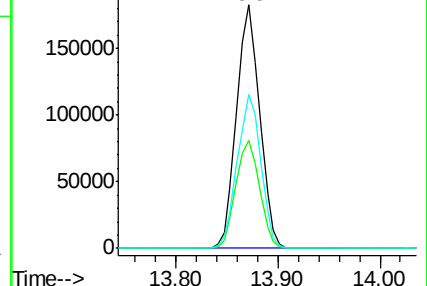
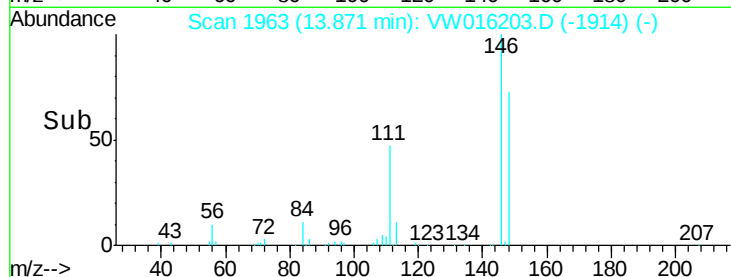
148 64.1 32.1 96.3



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: 59.115 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016203.D

Acq: 14 Aug 2020 20:04

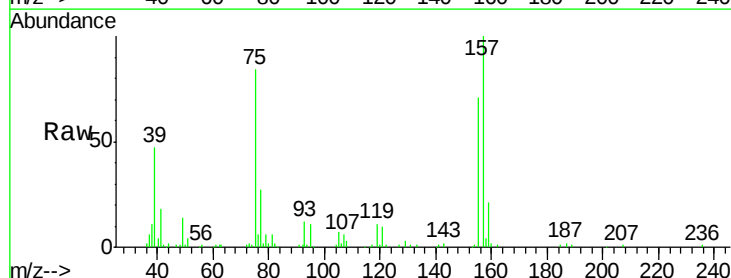
Tgt Ion: 75 Resp: 22138

Ion Ratio Lower Upper

75 100

155 84.8 41.3 124.1

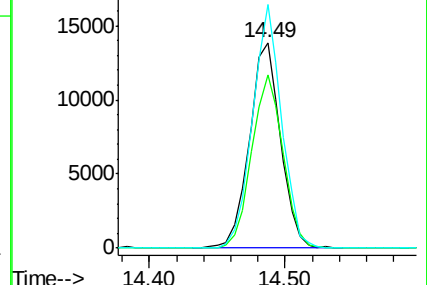
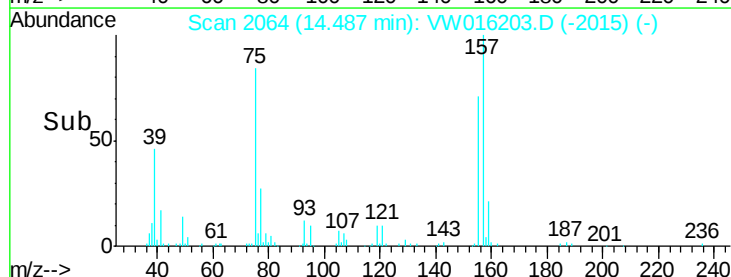
157 110.8 53.0 159.0

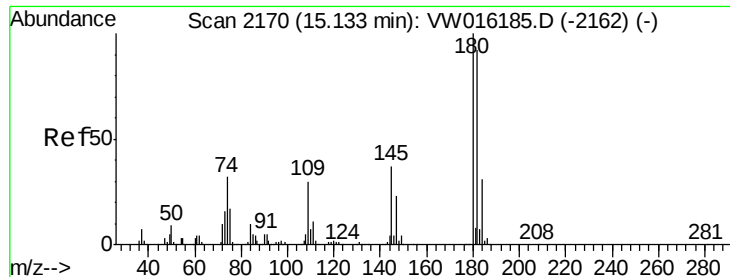


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

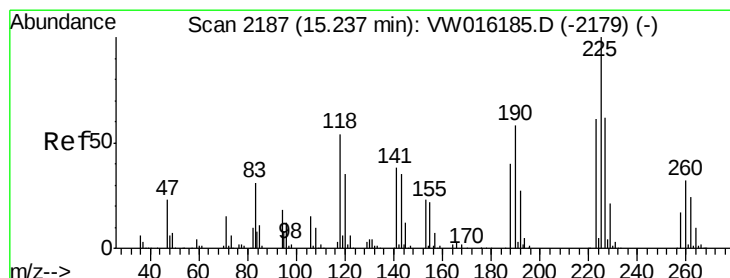
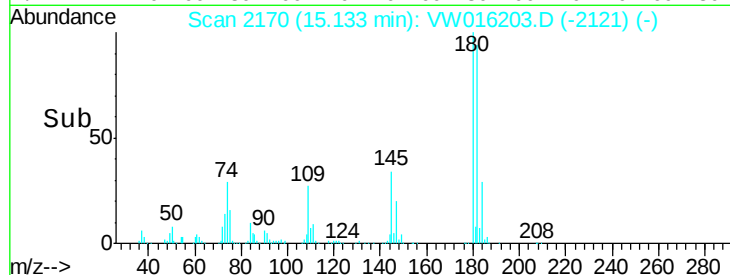
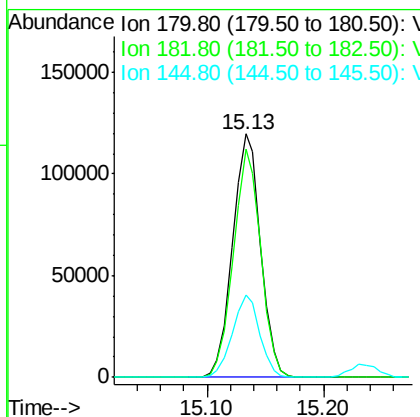
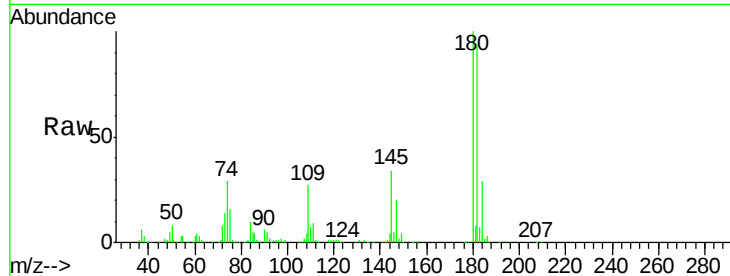




#93
 1,2,4-Trichlorobenzene
 Concen: 59.456 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

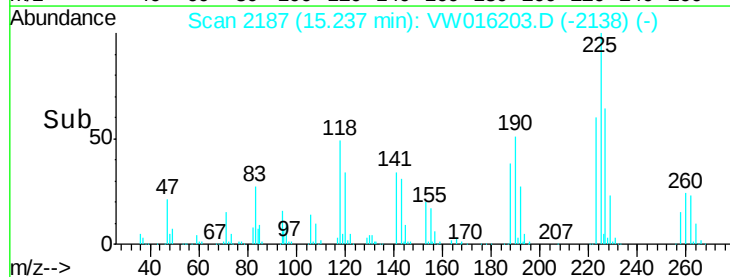
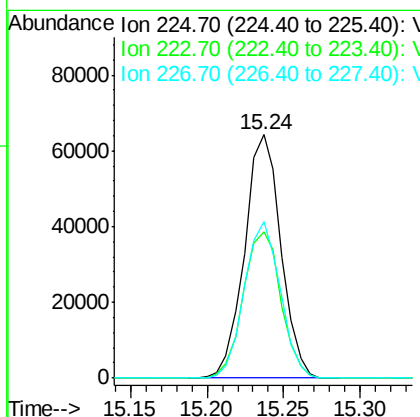
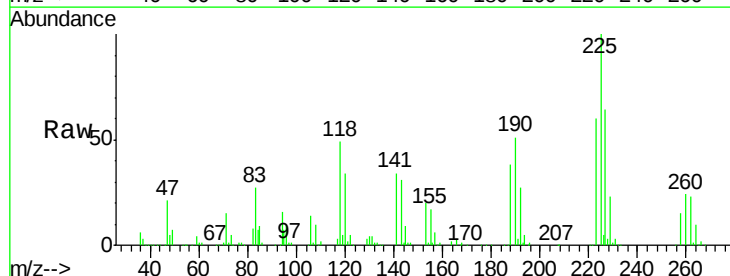
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

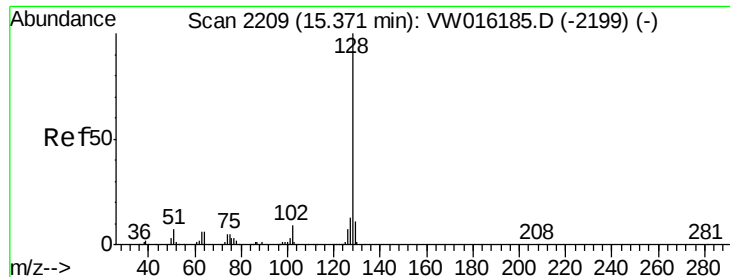
Tgt Ion:180 Resp: 199351
 Ion Ratio Lower Upper
 180 100
 182 91.8 46.0 138.0
 145 33.3 16.9 50.7



#94
 Hexachlorobutadiene
 Concen: 53.206 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW016203.D
 Acq: 14 Aug 2020 20:04

Tgt Ion:225 Resp: 106062
 Ion Ratio Lower Upper
 225 100
 223 62.6 33.0 99.0
 227 63.7 32.0 96.2

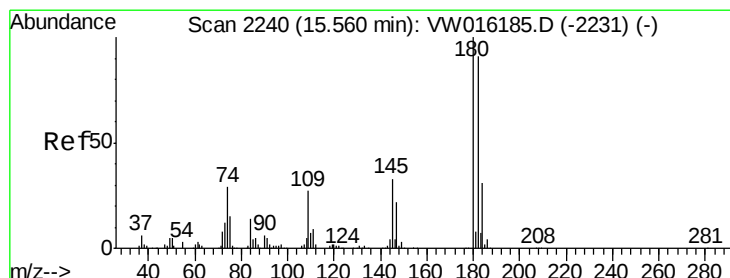
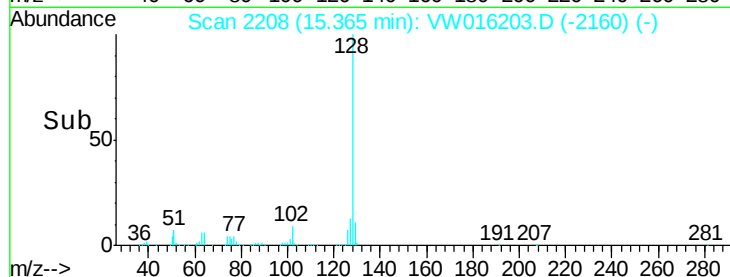
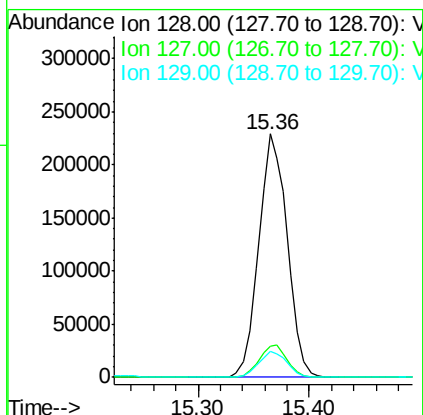
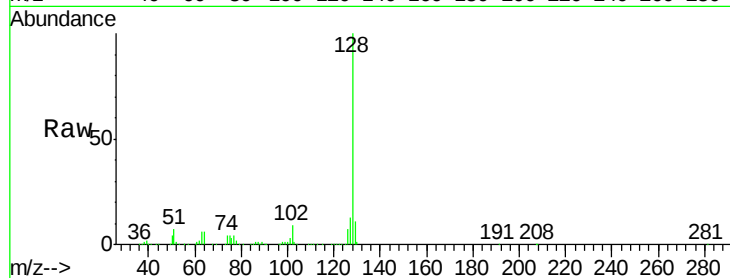




#95
Naphthalene
Concen: 57.262 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 406489
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 60.696 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016203.D
Acq: 14 Aug 2020 20:04

Tgt Ion:180 Resp: 174769
Ion Ratio Lower Upper
180 100
182 98.2 47.7 143.1
145 35.9 17.4 52.3

