

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015214.D
 Acq On : 15 Apr 2020 20:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 16 05:08:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 14:44:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	492663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	832662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	716976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	326964	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	230720	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	7.88	113	228283	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	10.32	98	914660	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.62	95	317264	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	134827	43.602	ug/l	99
3) Chloromethane	2.21	50	206001	47.384	ug/l	100
4) Vinyl Chloride	2.36	62	283414	55.360	ug/l	99
5) Bromomethane	2.78	94	141475	52.493	ug/l	96
6) Chloroethane	2.92	64	135185	53.531	ug/l	98
7) Trichlorofluoromethane	3.26	101	151322	46.128	ug/l	98
8) Diethyl Ether	3.68	74	125683	49.697	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	244103	48.965	ug/l	99
10) Methyl Iodide	4.27	142	368809	49.540	ug/l	100
11) Tert butyl alcohol	5.17	59	81301	235.095	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	253148	49.305	ug/l	94
13) Acrolein	3.90	56	93171	259.150	ug/l	97
14) Allyl chloride	4.67	41	369793	48.687	ug/l	99
15) Acrylonitrile	5.37	53	278252	262.159	ug/l	99
16) Acetone	4.12	43	212643	256.280	ug/l	100
17) Carbon Disulfide	4.38	76	760474	48.664	ug/l	98
18) Methyl Acetate	4.67	43	132769	52.328	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	350477	52.122	ug/l	99
20) Methylene Chloride	4.91	84	258296	44.952	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	263257	48.596	ug/l	100
22) Diisopropyl ether	6.31	45	733158	47.862	ug/l	98
23) Vinyl Acetate	6.25	43	2256916	253.699	ug/l	99
24) 1,1-Dichloroethane	6.21	63	437481	48.037	ug/l	100
25) 2-Butanone	7.17	43	349080	262.906	ug/l	98
26) 2,2-Dichloropropane	7.16	77	276716	45.654	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	283326	48.515	ug/l	99
28) Bromochloromethane	7.51	49	195845	51.453	ug/l	97
29) Tetrahydrofuran	7.53	42	235275	270.319	ug/l	99
30) Chloroform	7.67	83	430989	48.311	ug/l	97
31) Cyclohexane	7.95	56	443390	45.547	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	366293	48.740	ug/l	99
36) 1,1-Dichloropropene	8.08	75	363780	48.904	ug/l	99
37) Ethyl Acetate	7.25	43	164473	53.126	ug/l	99
38) Carbon Tetrachloride	8.07	117	339968	49.710	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	484874	48.507	ug/l	98
40) Benzene	8.32	78	1035762	49.037	ug/l	99
41) Methacrylonitrile	7.48	41	92977	50.757	ug/l	99
42) 1,2-Dichloroethane	8.40	62	268284	50.045	ug/l	99
43) Isopropyl Acetate	8.42	43	324859	53.695	ug/l	99
44) Trichloroethene	9.09	130	273210	49.227	ug/l	99
45) 1,2-Dichloropropane	9.37	63	251431	48.382	ug/l	100
46) Dibromomethane	9.46	93	131673	50.699	ug/l	98
47) Bromodichloromethane	9.65	83	329771	48.972	ug/l	99
48) Methyl methacrylate	9.43	41	155142	54.824	ug/l	99
49) 1,4-Dioxane	9.45	88	41969	1018.560	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	833659	260.529	ug/l	100
52) Toluene	10.38	92	652502	48.262	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	335955	49.037	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	401551	48.583	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	184781	50.212	ug/l	97
56) Ethyl methacrylate	10.65	69	261305	51.528	ug/l	98
57) 1,3-Dichloropropane	10.93	76	330517	51.100	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	703414	280.267	ug/l	99
59) 2-Hexanone	10.96	43	543634	270.700	ug/l	100
60) Dibromochloromethane	11.13	129	222820	50.747	ug/l	99
61) 1,2-Dibromoethane	11.23	107	181573	51.197	ug/l	99
64) Tetrachloroethene	10.86	164	208289	49.457	ug/l	97
65) Chlorobenzene	11.66	112	665842	49.355	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	231599	49.669	ug/l	99
67) Ethyl Benzene	11.73	91	1255273	49.288	ug/l	98
68) m/p-Xylenes	11.84	106	934894	96.729	ug/l	99
69) o-Xylene	12.16	106	439516	48.518	ug/l	99
70) Styrene	12.18	104	751417	49.100	ug/l	99
71) Bromoform	12.35	173	121288	52.376	ug/l #	95
73) Isopropylbenzene	12.46	105	1203550	49.359	ug/l	99
74) N-amyl acetate	12.27	43	298888	52.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	215842	52.831	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	135077m	48.260	ug/l	
77) Bromobenzene	12.74	156	250342	49.556	ug/l	99
78) n-propylbenzene	12.80	91	1422322	48.368	ug/l	100
79) 2-Chlorotoluene	12.89	91	791115	48.666	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1000387	48.724	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	75422	52.135	ug/l	99
82) 4-Chlorotoluene	12.99	91	824520	48.008	ug/l	99
83) tert-Butylbenzene	13.21	119	861455	48.389	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	977816	47.916	ug/l	98
85) sec-Butylbenzene	13.38	105	1213944	47.980	ug/l	100
86) p-Isopropyltoluene	13.50	119	1060913	46.993	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	486083	48.298	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	477777	47.851	ug/l	99
89) n-Butylbenzene	13.82	91	1040774	46.632	ug/l	99
90) Hexachloroethane	14.09	117	206619	47.602	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	429535	48.003	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	34585	52.283	ug/l	97

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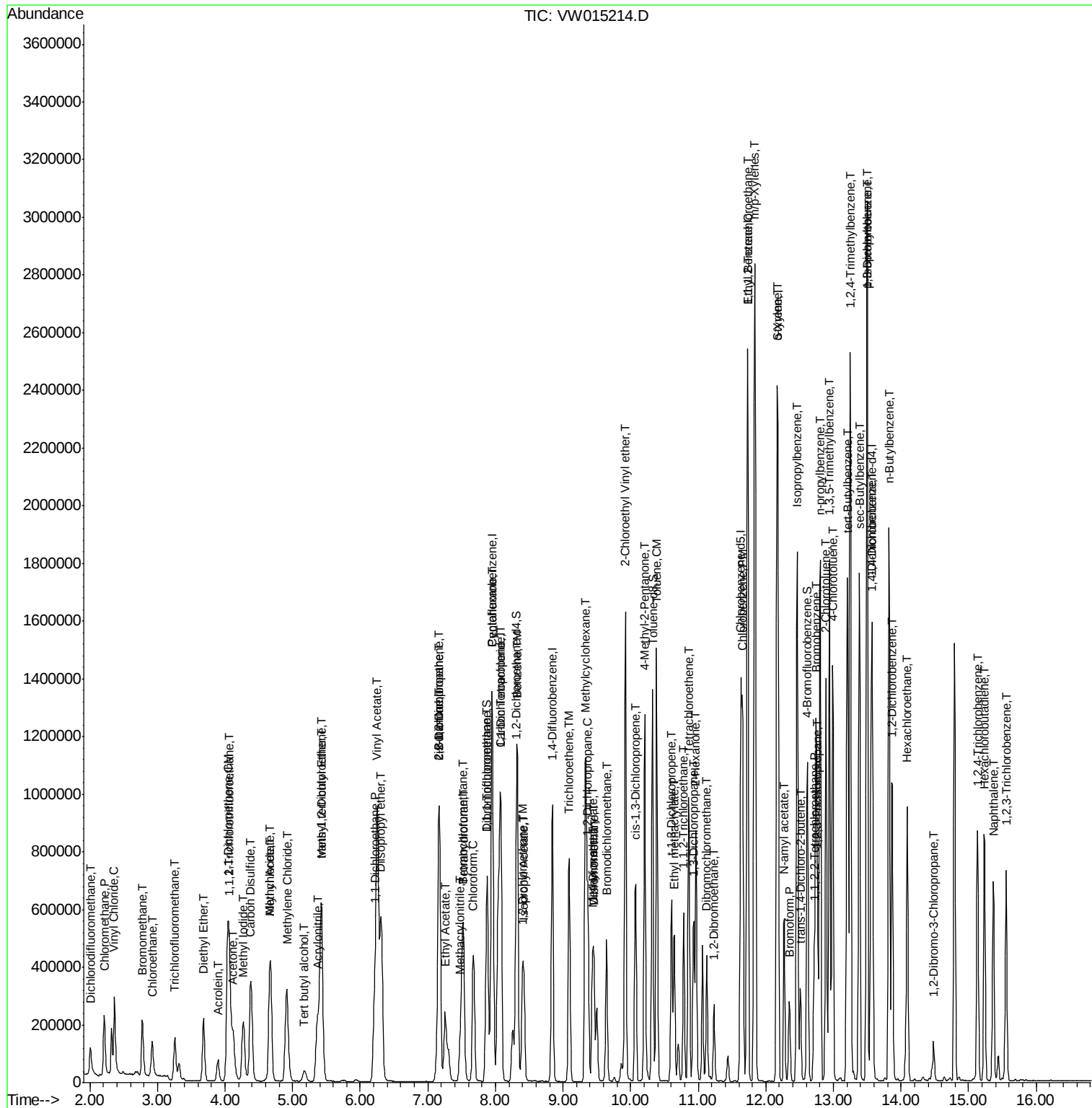
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	271959	46.061	ug/l	97
94) Hexachlorobutadiene	15.23	225	150502	44.183	ug/l	96
95) Naphthalene	15.36	128	589669	51.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	242979	47.954	ug/l	97

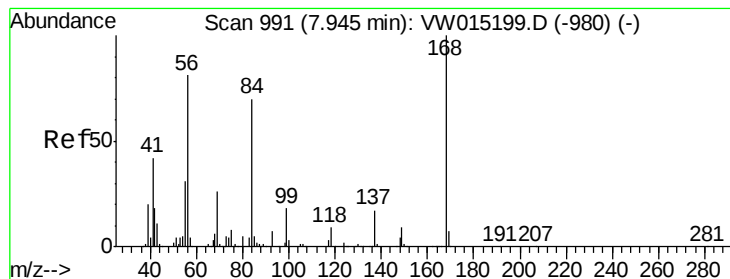
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041520\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

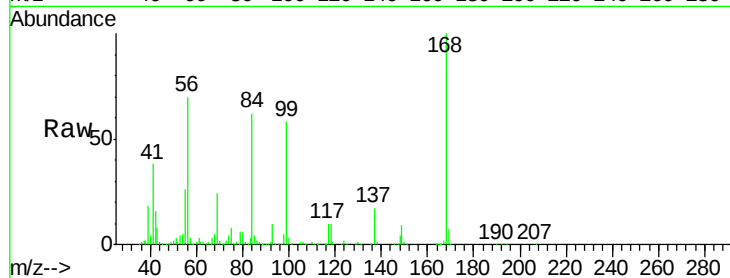
VSTDCCC050EC

Tot Ion:168 Resp: 492663

Ion Ratio Lower Upper

168 100

99 58.2 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

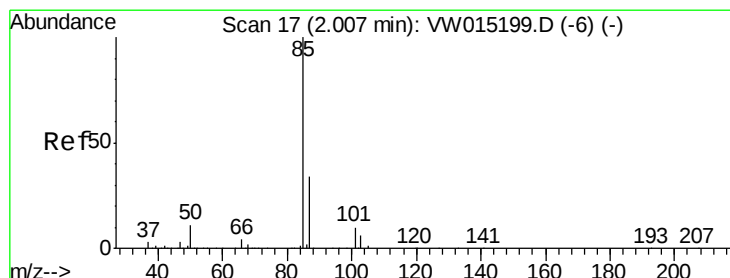
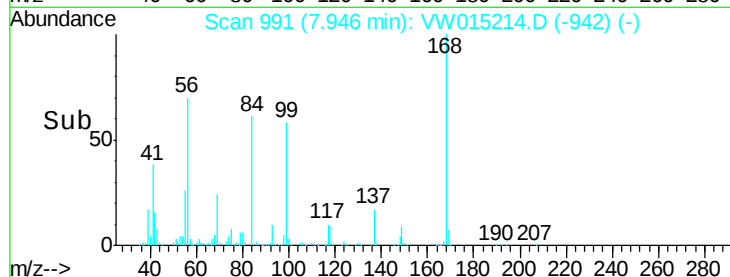
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 43.602 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015214.D

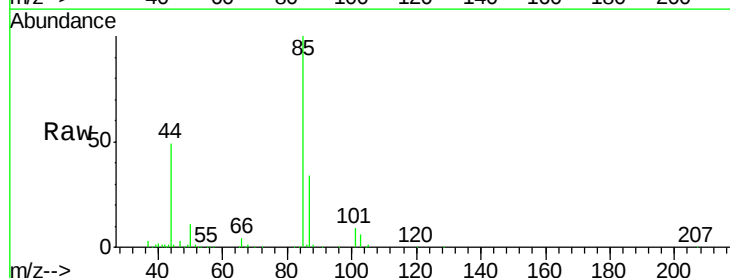
Acq: 15 Apr 2020 20:34

Tgt Ion: 85 Resp: 134827

Ion Ratio Lower Upper

85 100

87 33.7 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

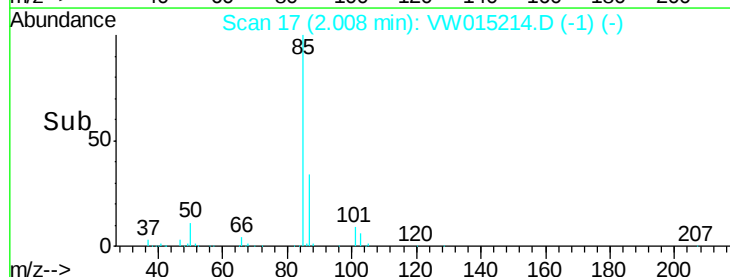
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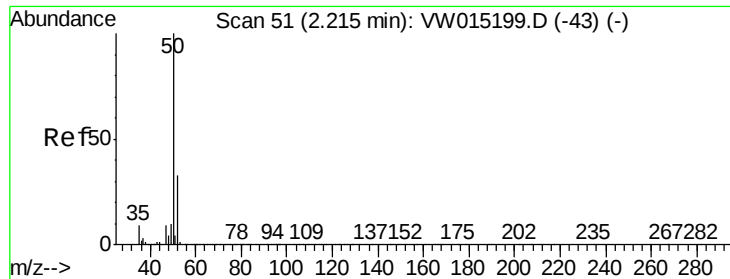
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 47.384 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

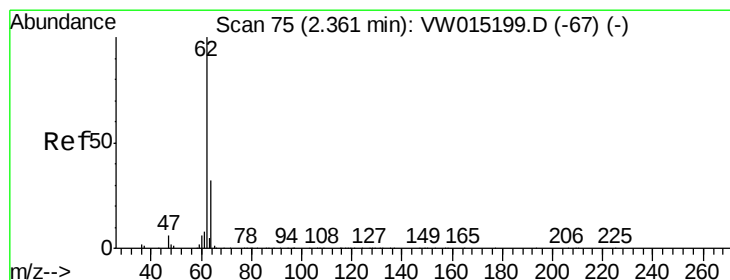
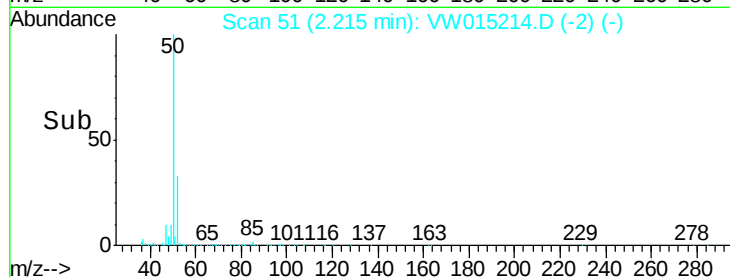
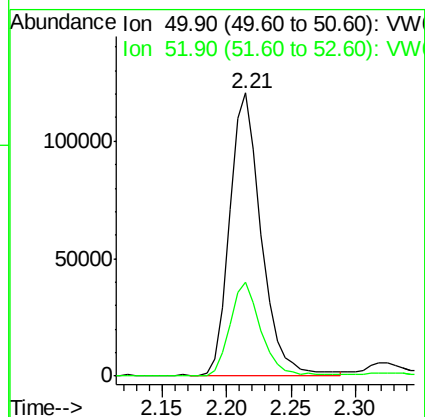
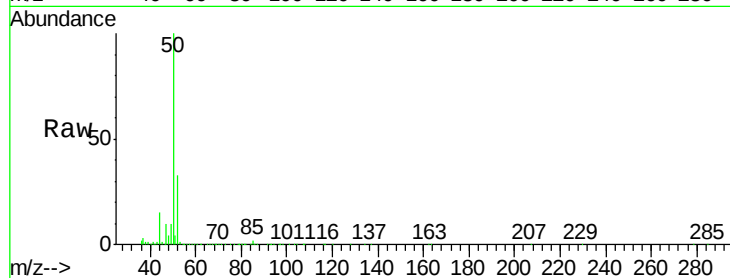
VSTDCCC050EC

Tot Ion: 50 Resp: 206001

Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7



#4

Vinyl Chloride

Concen: 55.360 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015214.D

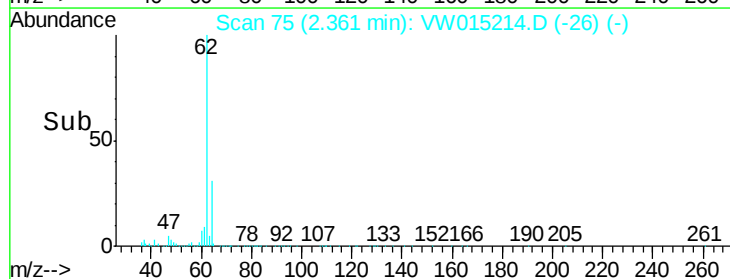
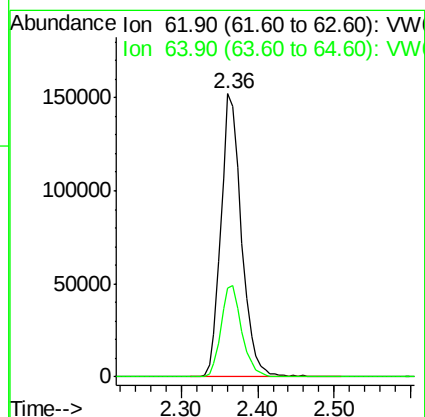
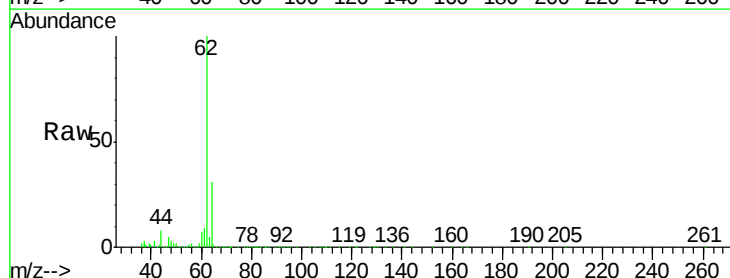
Acq: 15 Apr 2020 20:34

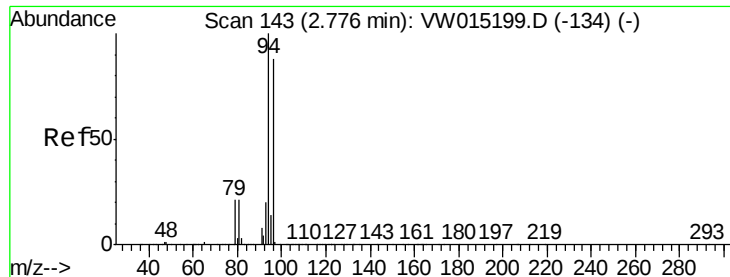
Tgt Ion: 62 Resp: 283414

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 52.493 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

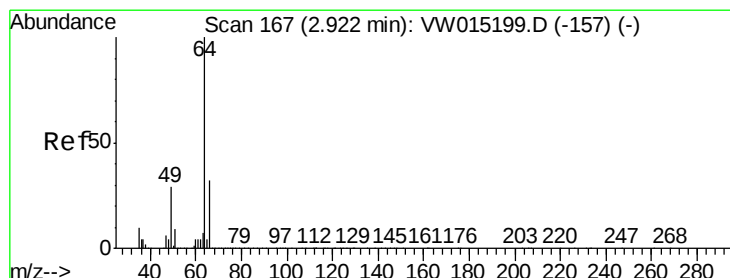
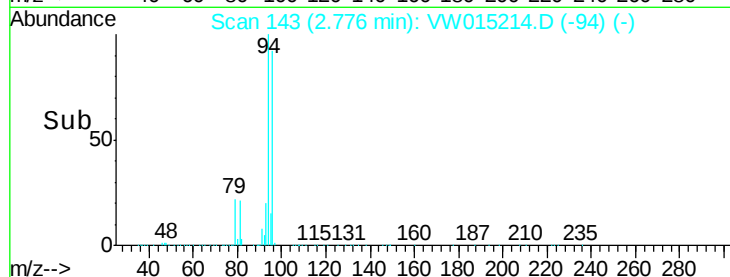
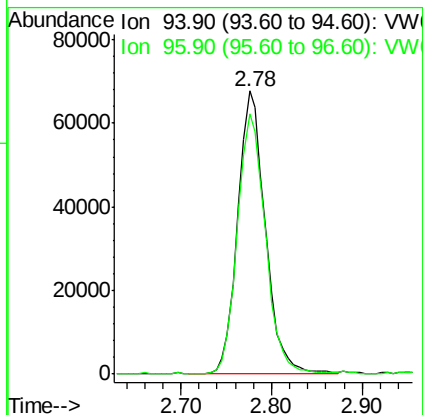
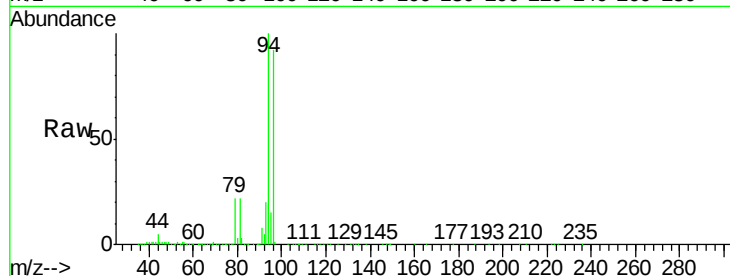
VSTDCCC050EC

Tot Ion: 94 Resp: 141475

Ion Ratio Lower Upper

94 100

96 91.9 70.4 105.6



#6

Chloroethane

Concen: 53.531 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015214.D

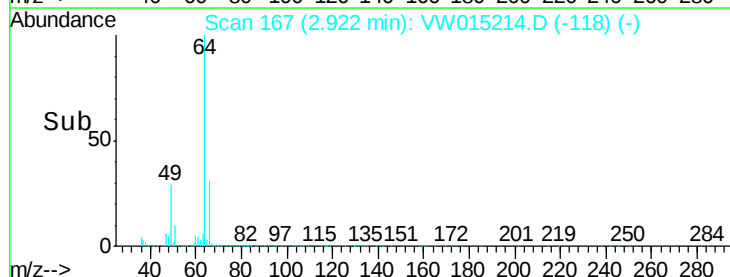
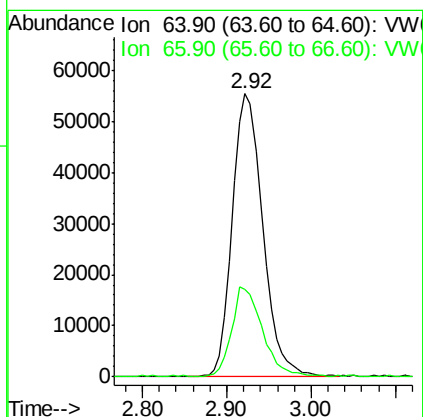
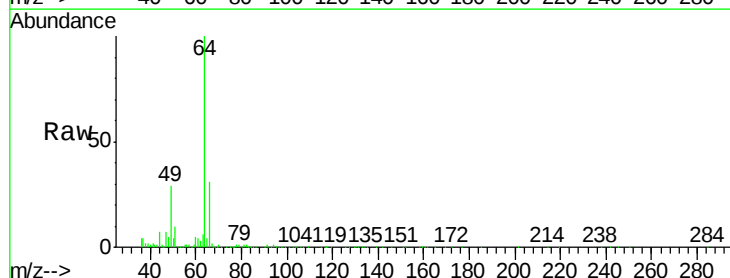
Acq: 15 Apr 2020 20:34

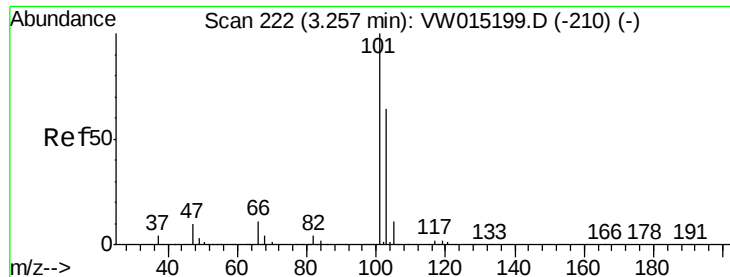
Tgt Ion: 64 Resp: 135185

Ion Ratio Lower Upper

64 100

66 30.9 25.8 38.6



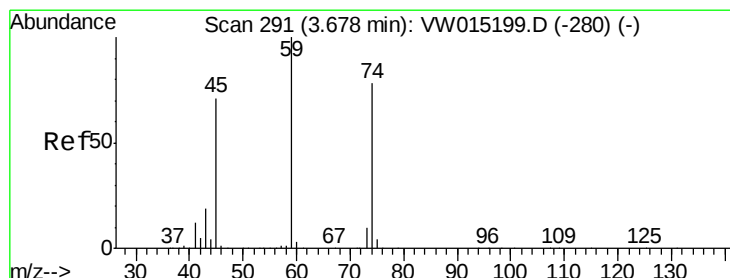
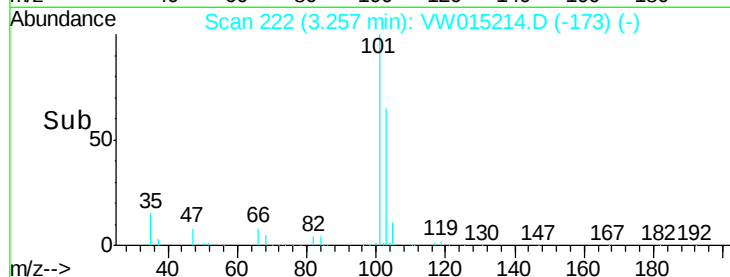
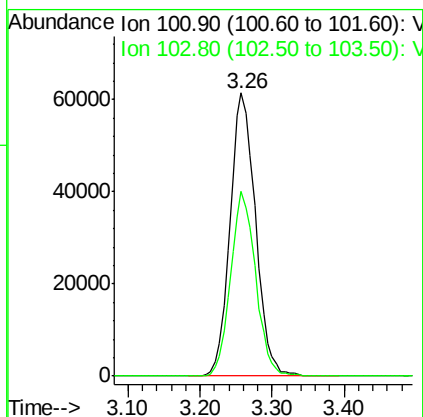
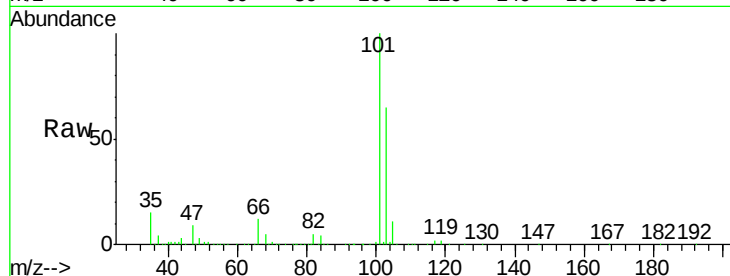


#7

Trichlorofluoromethane
 Concen: 46.128 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW015214.D
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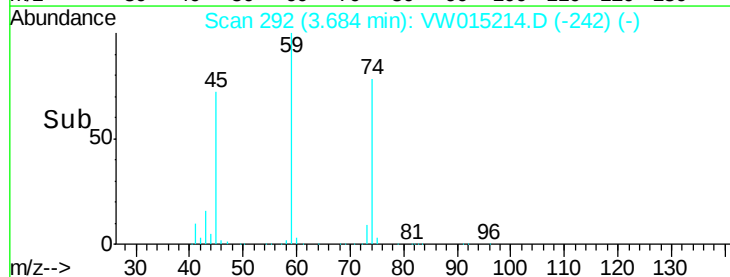
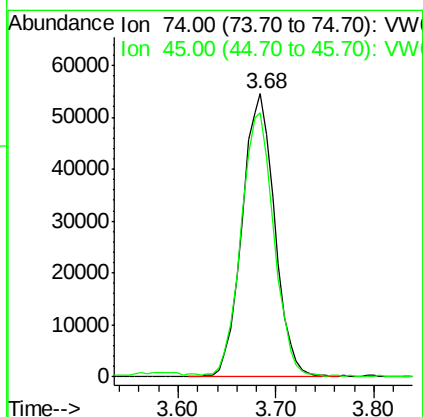
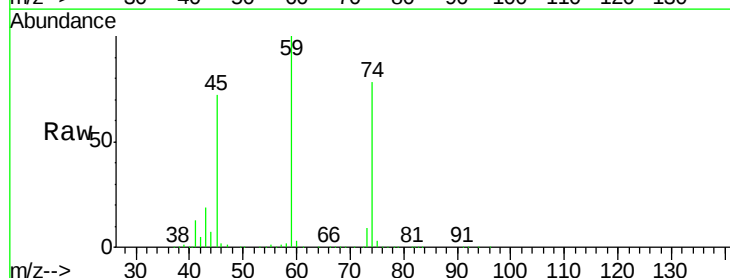
Tot Ion:101 Resp: 151322
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.3 76.9

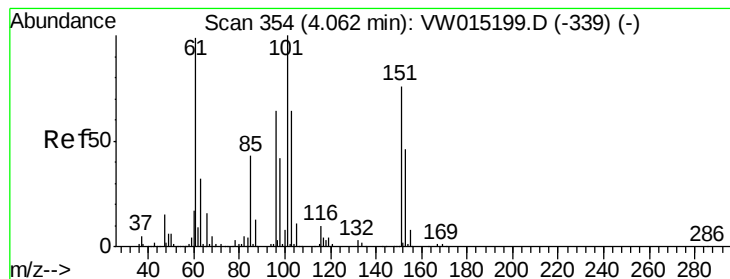


#8

Diethyl Ether
 Concen: 49.697 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

Tgt Ion: 74 Resp: 125683
 Ion Ratio Lower Upper
 74 100
 45 93.7 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.965 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

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VSTDCCC050EC

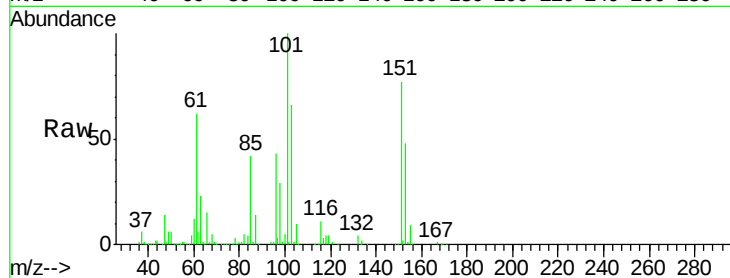
Tot Ion:101 Resp: 244103

Ion Ratio Lower Upper

101 100

85 44.5 35.3 52.9

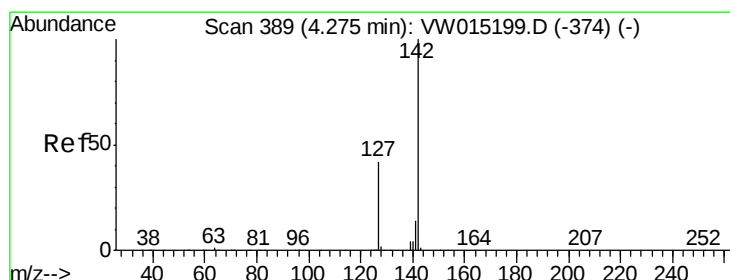
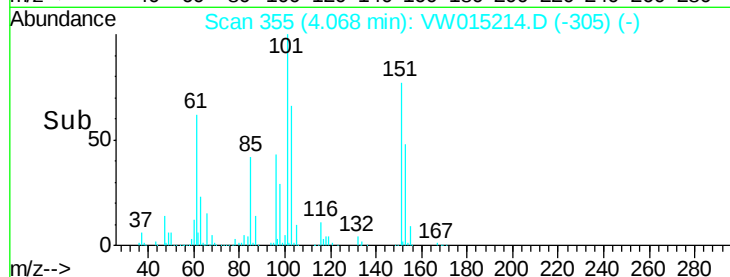
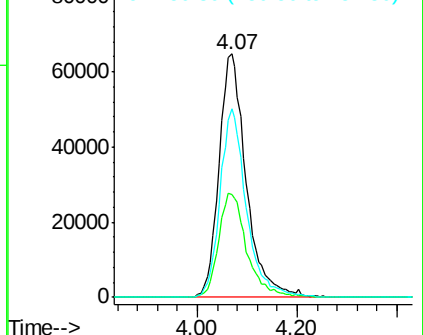
151 75.4 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.540 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

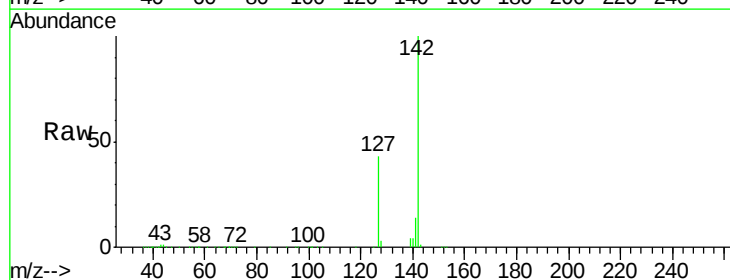
Tgt Ion:142 Resp: 368809

Ion Ratio Lower Upper

142 100

127 42.7 33.9 50.9

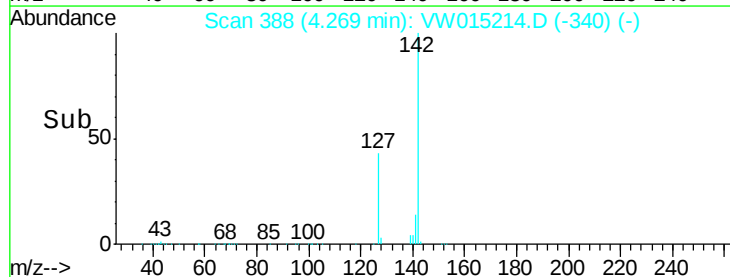
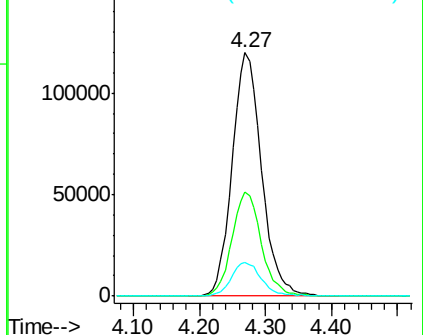
141 14.2 11.4 17.2

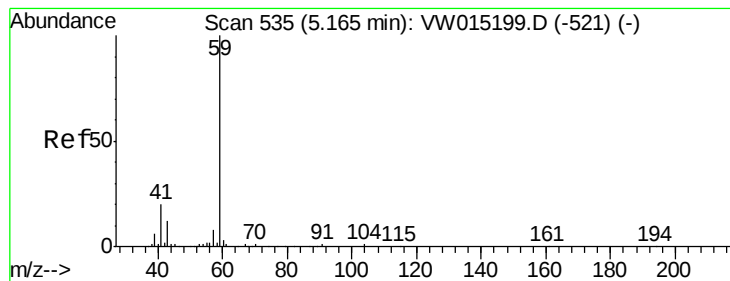


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



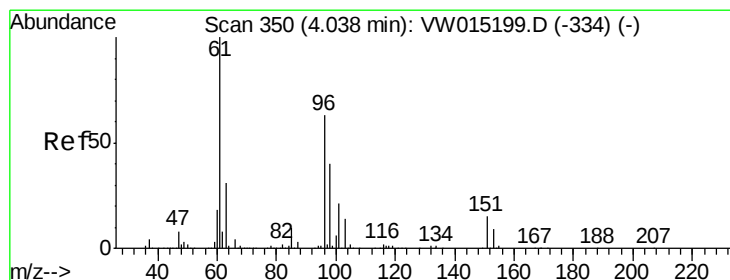
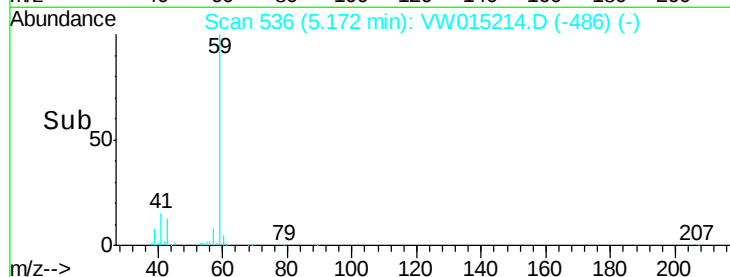
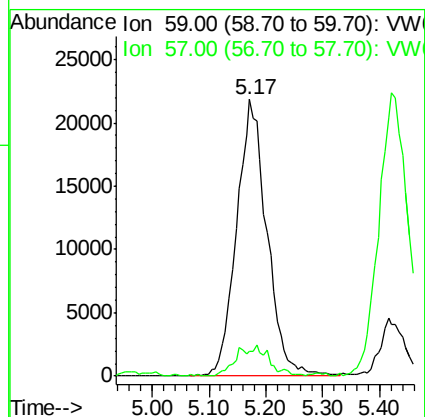
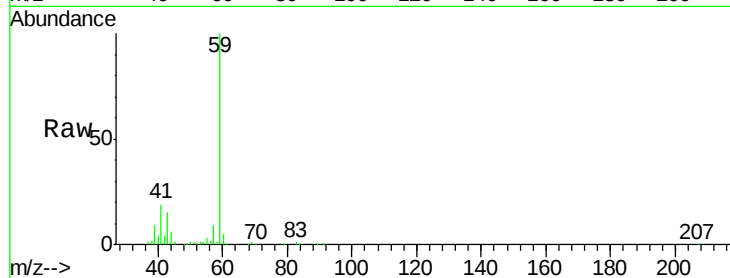


#11

Tert butyl alcohol
 Concen: 235.095 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

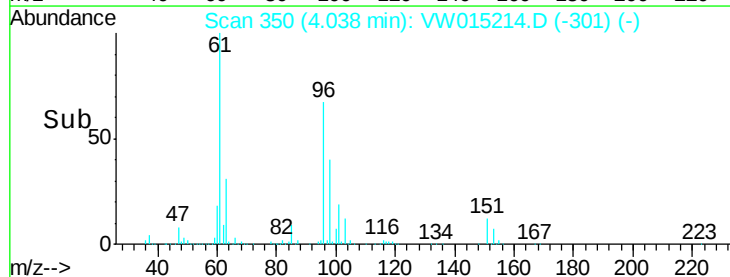
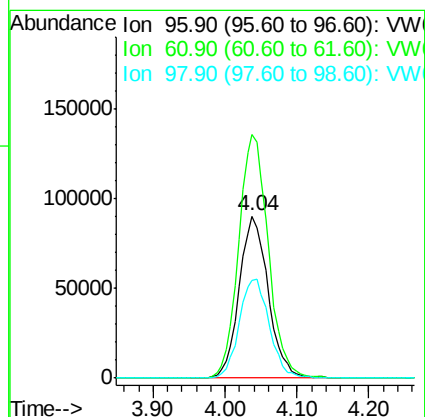
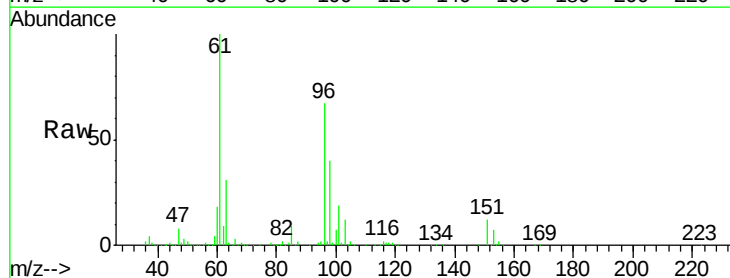
Tot Ion: 59 Resp: 81301
 Ion Ratio Lower Upper
 59 100
 57 4.7 8.4 12.6#

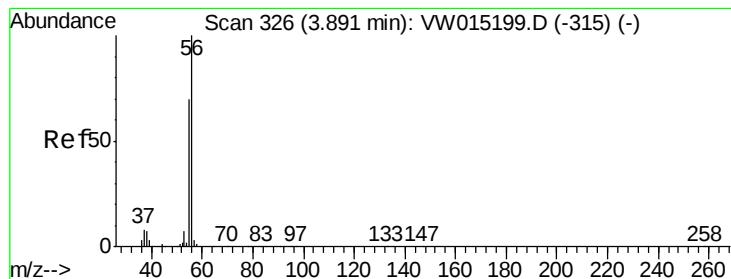


#12

1,1-Dichloroethene
 Concen: 49.305 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

Tgt Ion: 96 Resp: 253148
 Ion Ratio Lower Upper
 96 100
 61 150.2 127.0 190.4
 98 60.4 51.0 76.4





#13

Acrolein

Concen: 259.150 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

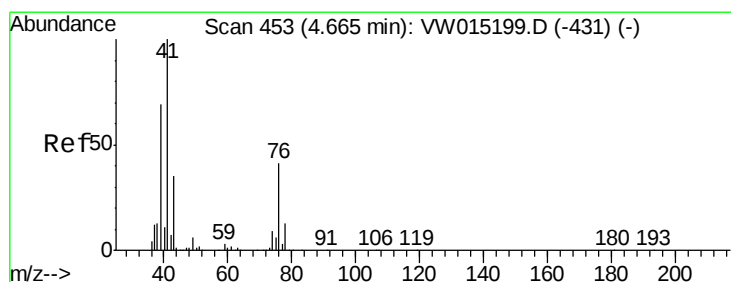
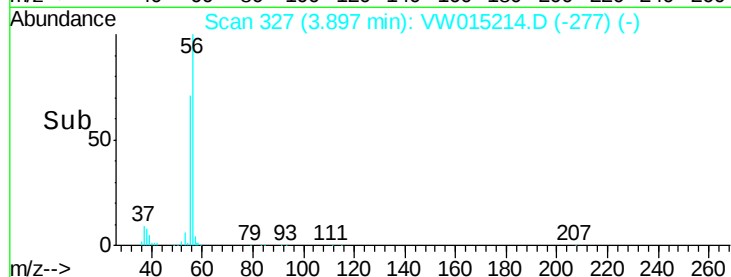
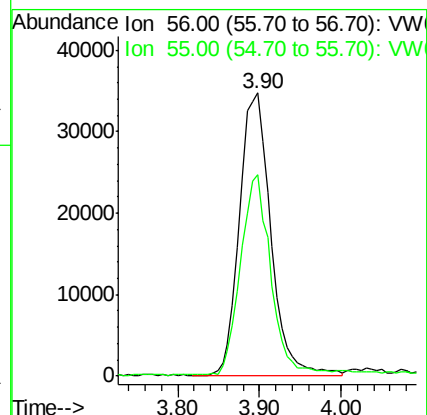
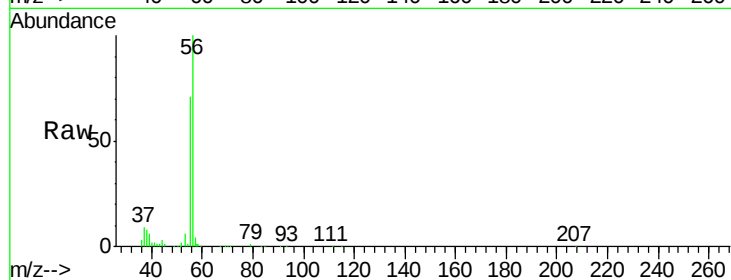
VSTDCCC050EC

Tot Ion: 56 Resp: 93171

Ion Ratio Lower Upper

56 100

55 67.8 56.2 84.2



#14

Allyl chloride

Concen: 48.687 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

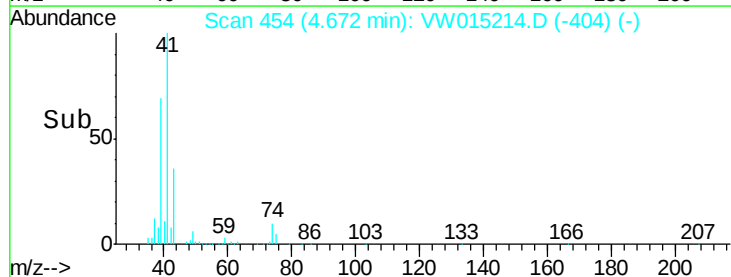
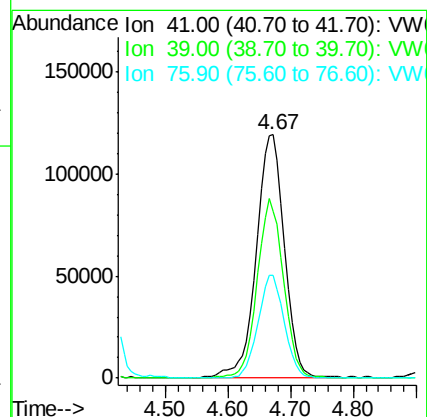
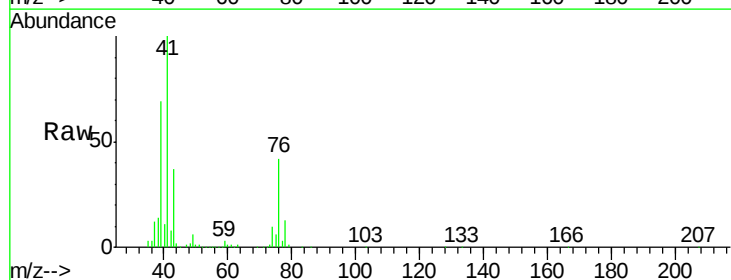
Tgt Ion: 41 Resp: 369793

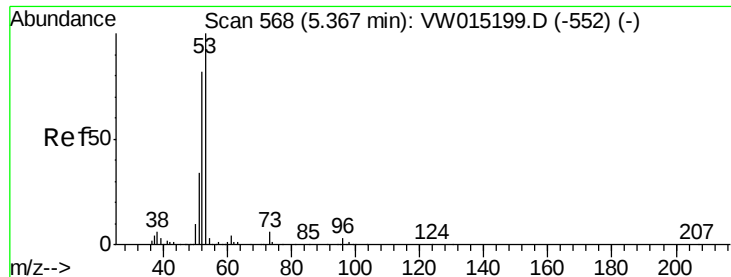
Ion Ratio Lower Upper

41 100

39 68.7 54.0 81.0

76 39.3 31.8 47.6





#15

Acrylonitrile

Concen: 262.159 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

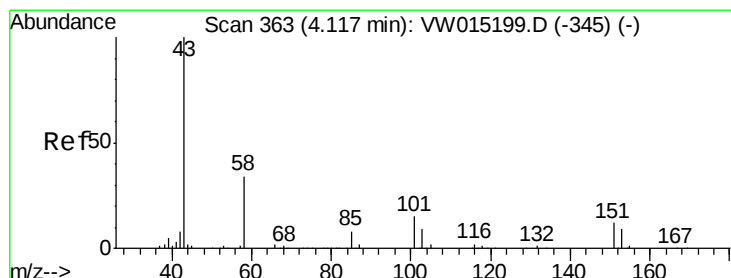
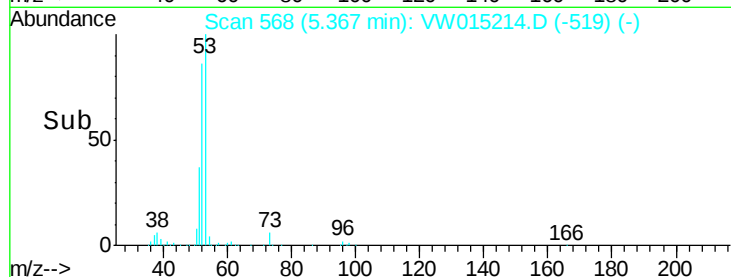
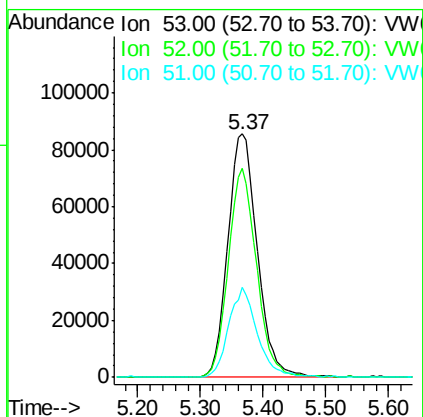
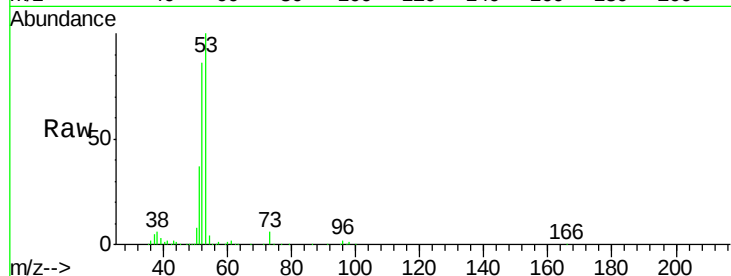
Tot Ion: 53 Resp: 278252

Ion Ratio Lower Upper

53 100

52 82.0 65.2 97.8

51 36.1 28.2 42.4



#16

Acetone

Concen: 256.280 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015214.D

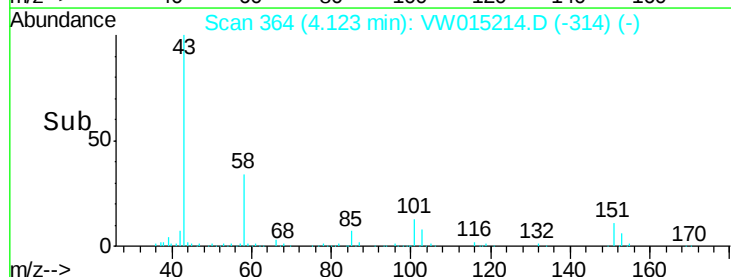
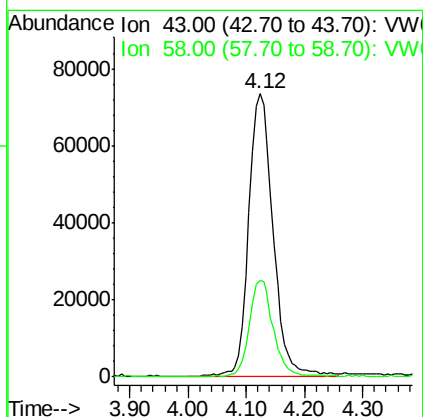
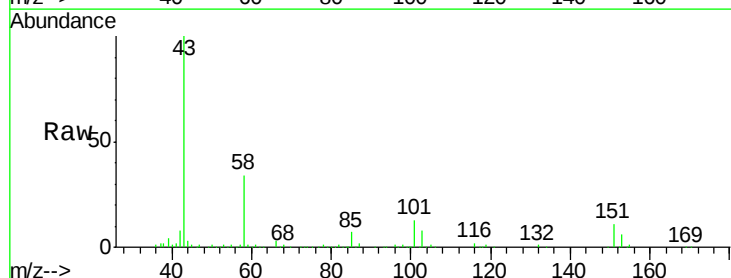
Acq: 15 Apr 2020 20:34

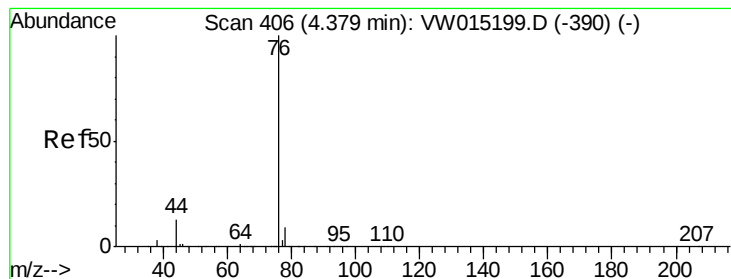
Tgt Ion: 43 Resp: 212643

Ion Ratio Lower Upper

43 100

58 33.8 27.0 40.4





#17

Carbon Disulfide

Concen: 48.664 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

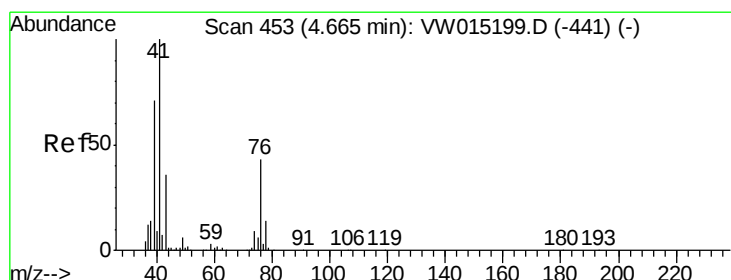
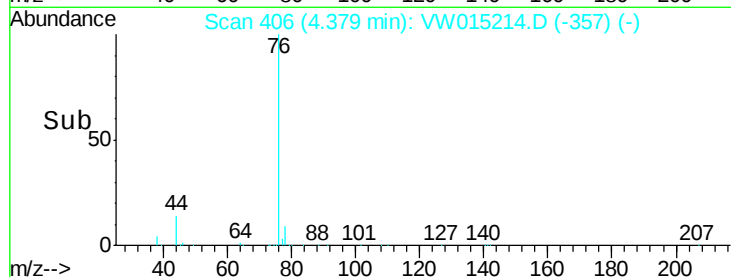
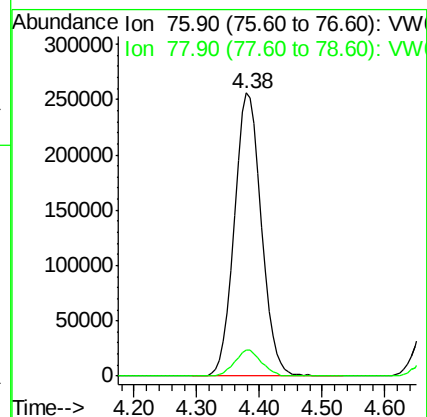
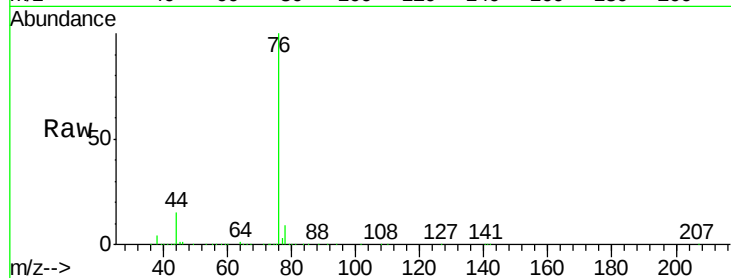
VSTDCCC050EC

Tot Ion: 76 Resp: 760474

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



#18

Methyl Acetate

Concen: 52.328 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015214.D

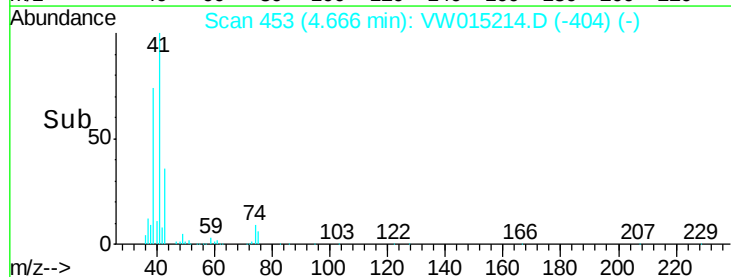
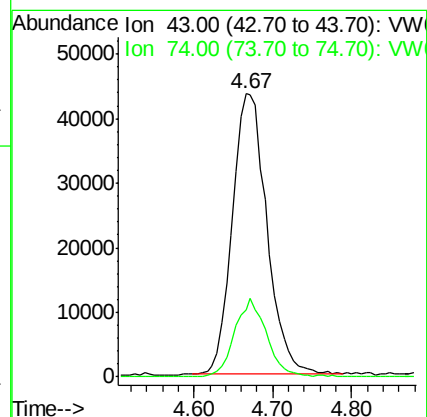
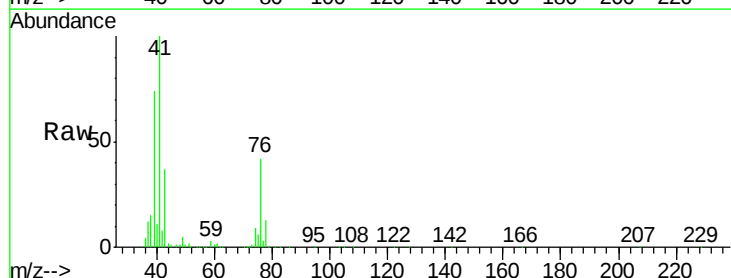
Acq: 15 Apr 2020 20:34

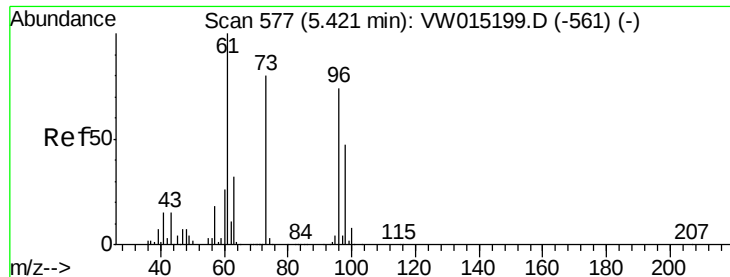
Tgt Ion: 43 Resp: 132769

Ion Ratio Lower Upper

43 100

74 25.5 20.6 31.0

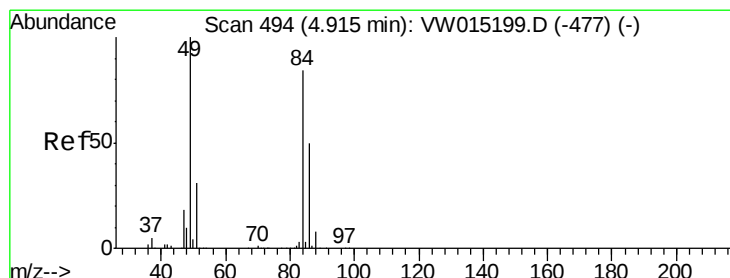
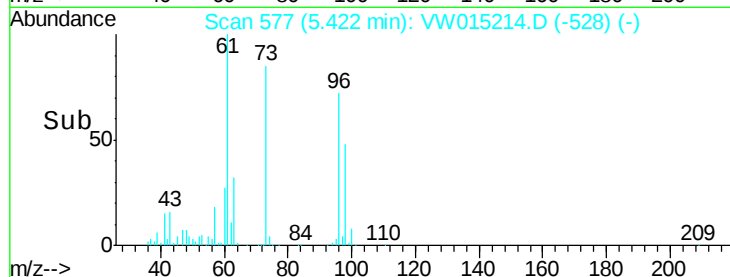
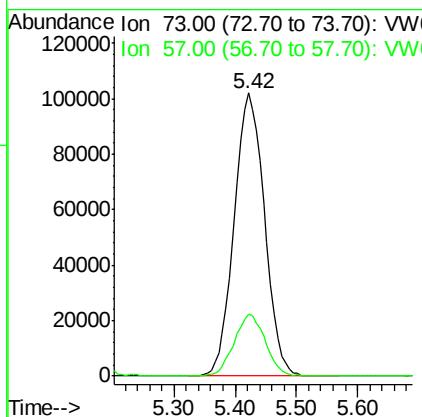
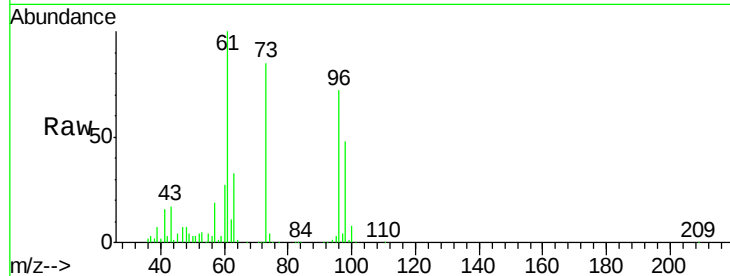




#19
Methyl tert-butyl Ether
Concen: 52.122 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

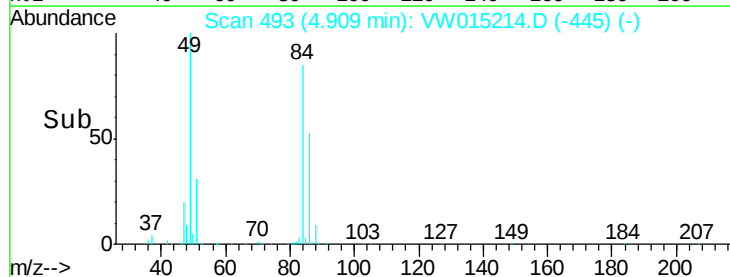
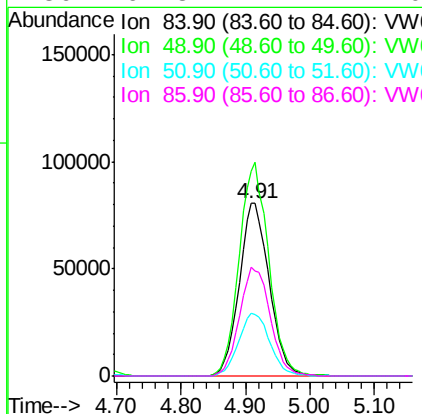
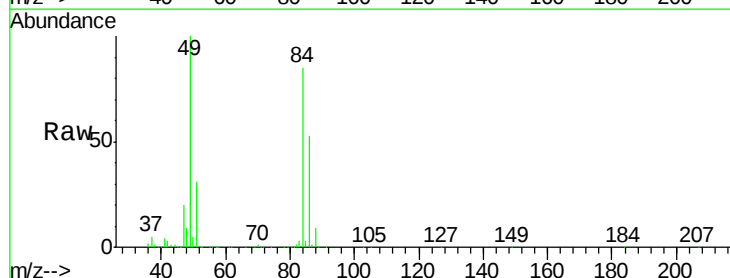
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

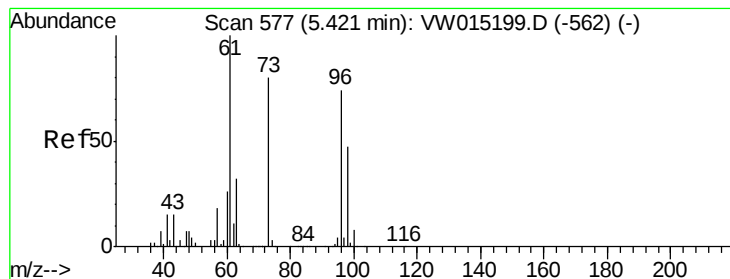
Tot Ion: 73 Resp: 350477
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.6



#20
Methylene Chloride
Concen: 44.952 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion: 84 Resp: 258296
Ion Ratio Lower Upper
84 100
49 118.3 95.4 143.0
51 36.5 29.8 44.8
86 62.8 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 48.596 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

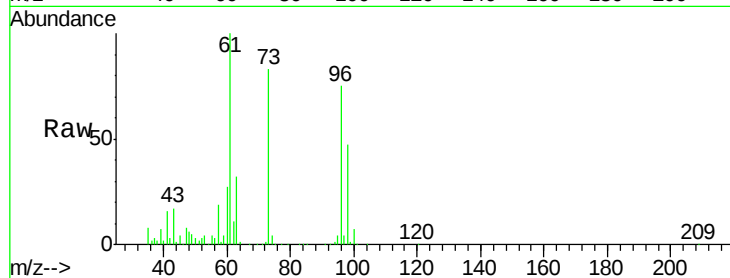
Tot Ion: 96 Resp: 263257

Ion Ratio Lower Upper

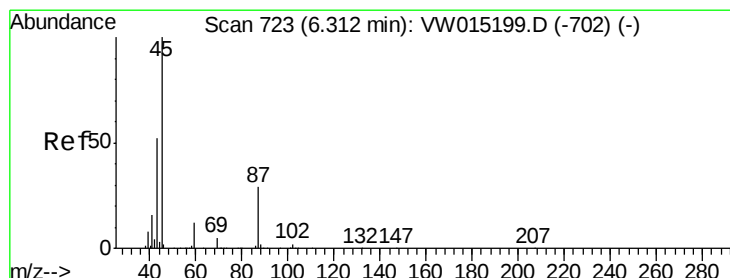
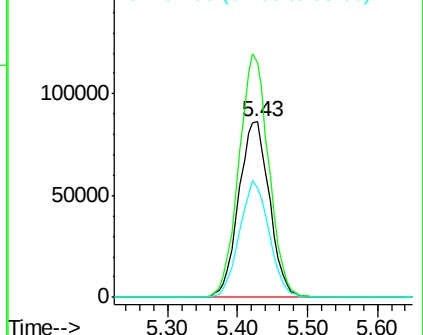
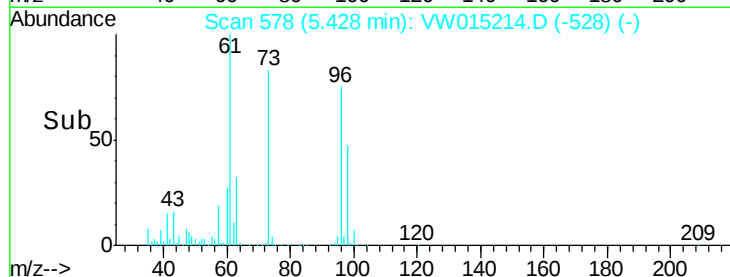
96 100

61 134.1 107.8 161.6

98 62.4 50.2 75.2



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



#22

Diisopropyl ether

Concen: 47.862 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Tgt Ion: 45 Resp: 733158

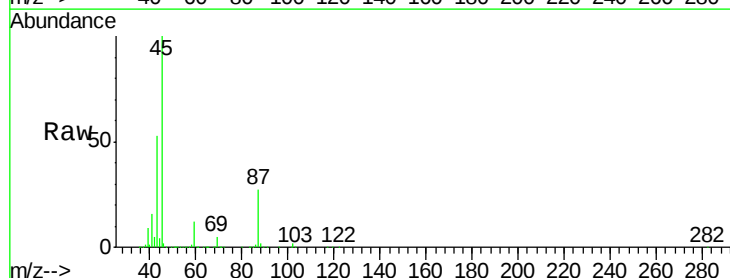
Ion Ratio Lower Upper

45 100

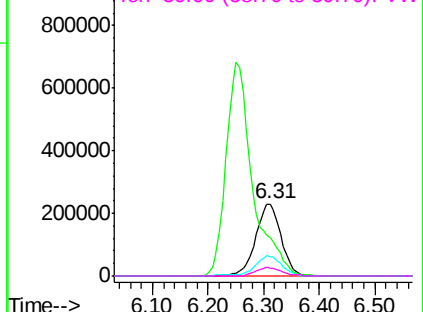
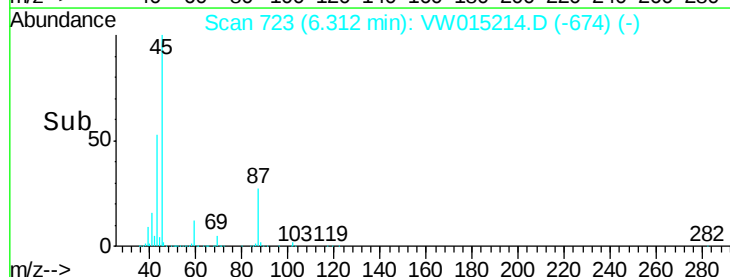
43 53.5 41.8 62.6

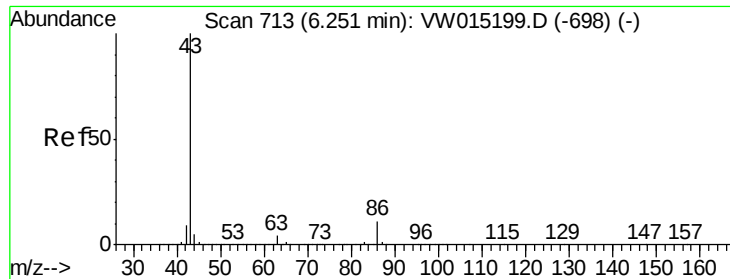
87 27.4 23.2 34.8

59 11.6 9.6 14.4



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





#23

Vinyl Acetate

Concen: 253.699 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

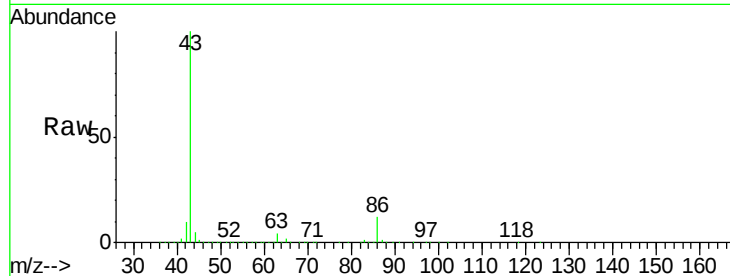
VSTDCCC050EC

Tot Ion: 43 Resp: 2256916

Ion Ratio Lower Upper

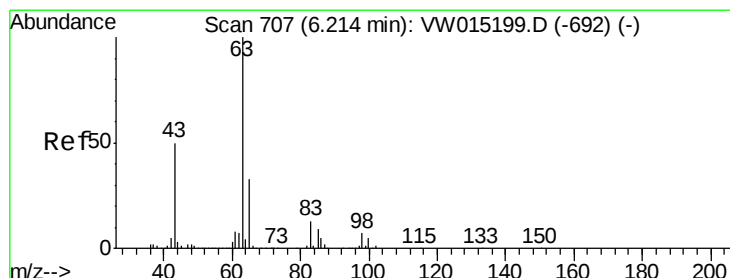
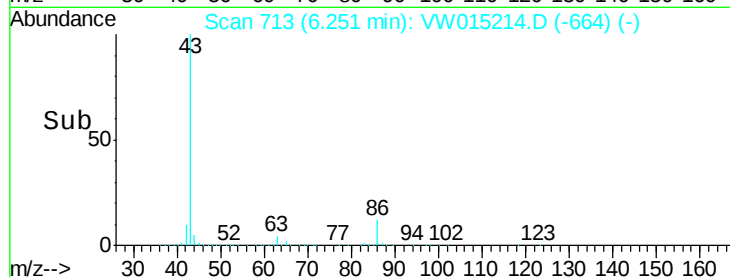
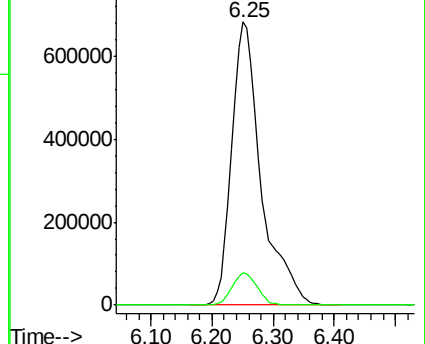
43 100

86 11.6 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.037 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

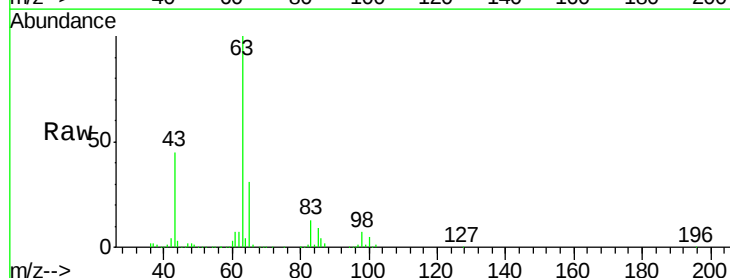
Tgt Ion: 63 Resp: 437481

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

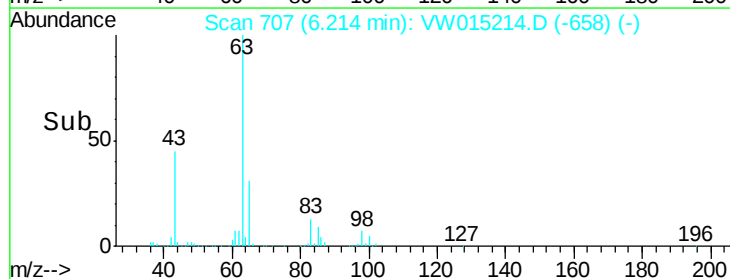
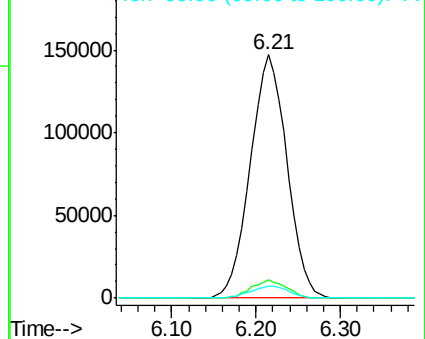
100 4.7 2.4 7.2

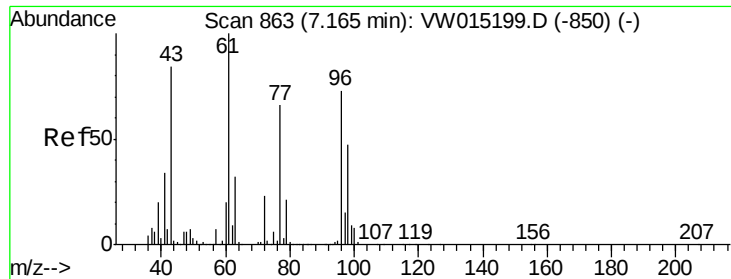


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 262.906 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampled :

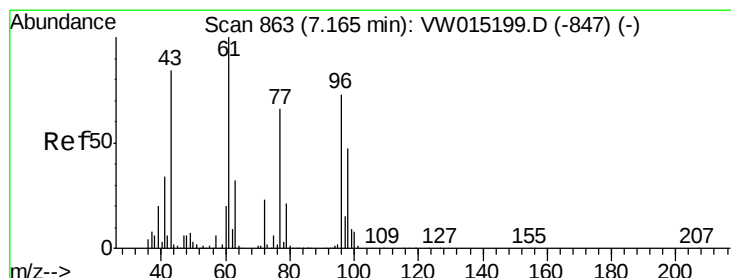
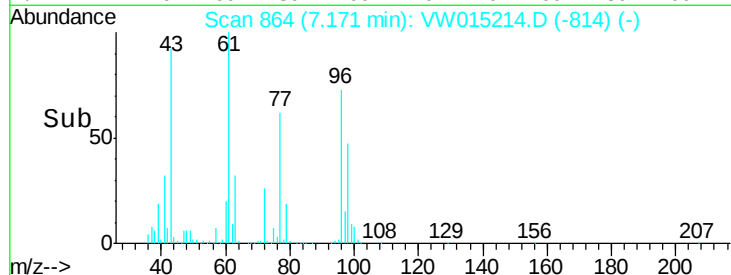
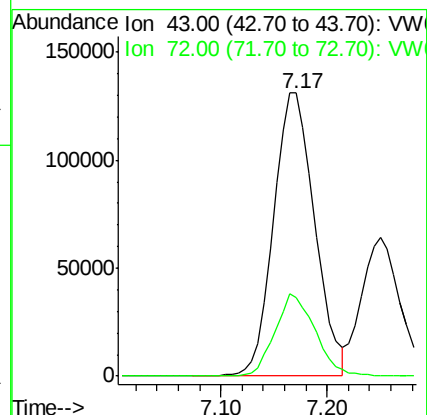
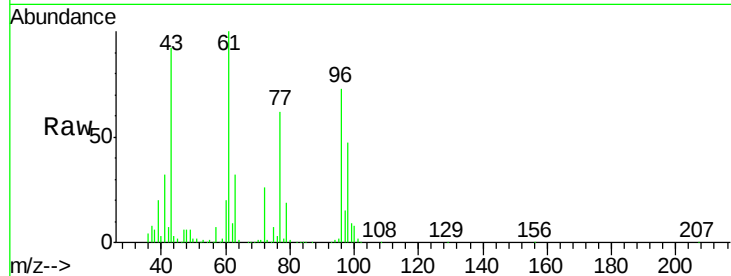
VSTDCCC050EC

Tot Ion: 43 Resp: 349080

Ion Ratio Lower Upper

43 100

72 27.9 21.6 32.4



#26

2,2-Dichloropropane

Concen: 45.654 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015214.D

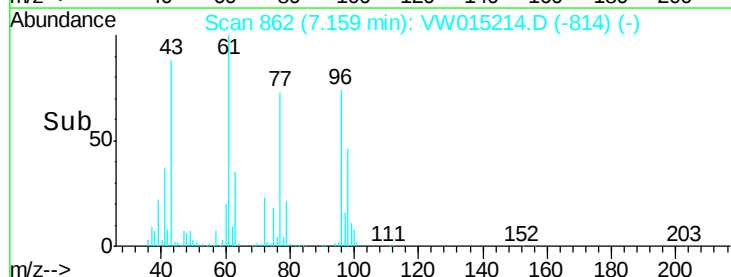
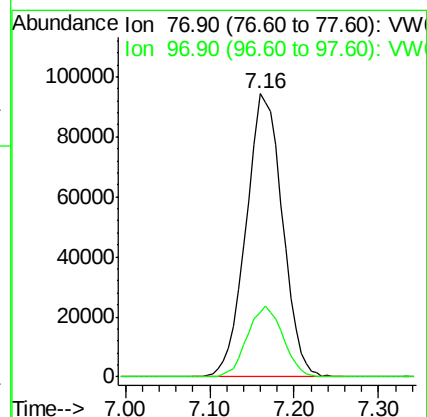
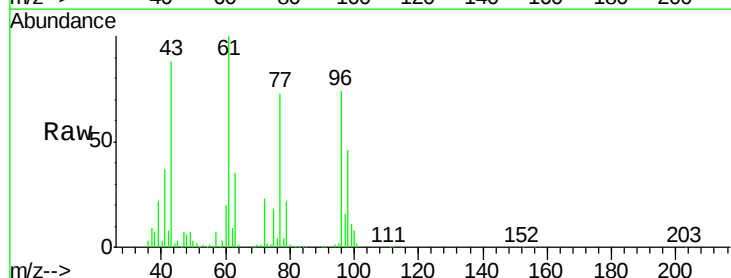
Acq: 15 Apr 2020 20:34

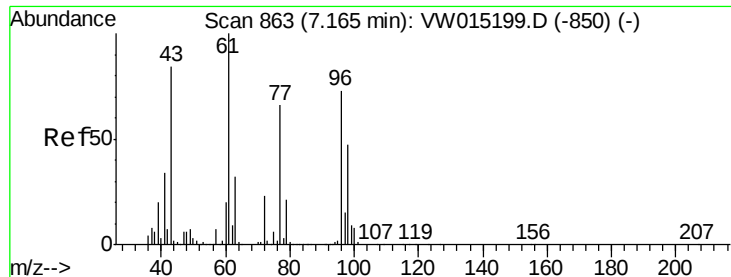
Tgt Ion: 77 Resp: 276716

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 48.515 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

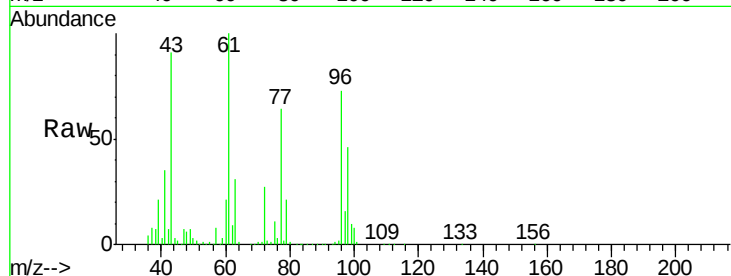
Tot Ion: 96 Resp: 283326

Ion Ratio Lower Upper

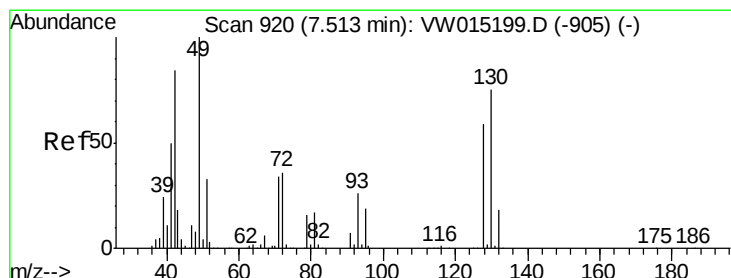
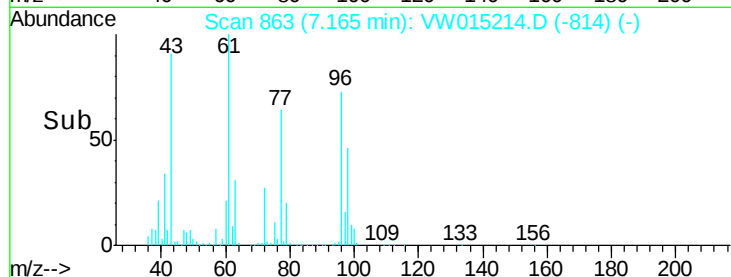
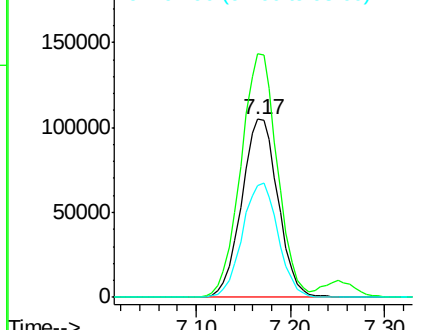
96 100

61 137.1 0.0 275.0

98 63.4 0.0 130.8



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



#28

Bromochloromethane

Concen: 51.453 ug/l

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

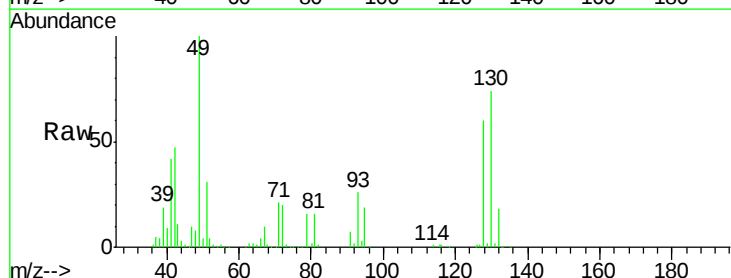
Tgt Ion: 49 Resp: 195845

Ion Ratio Lower Upper

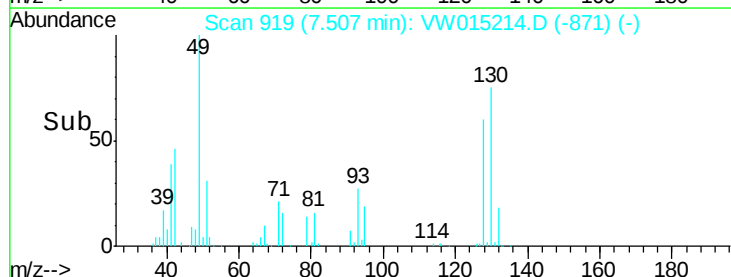
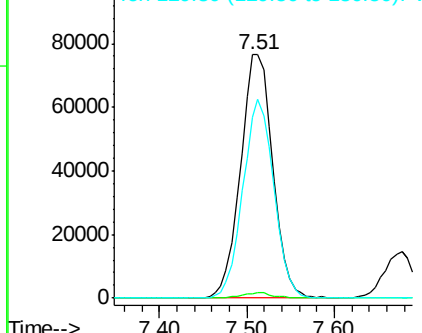
49 100

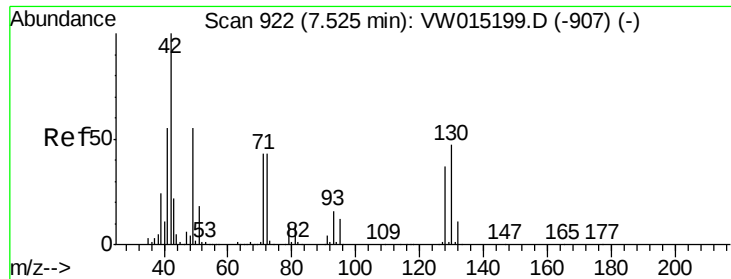
129 2.1 0.0 4.6

130 78.4 60.9 91.3



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

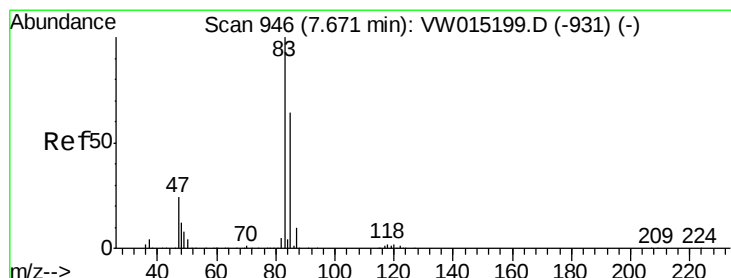
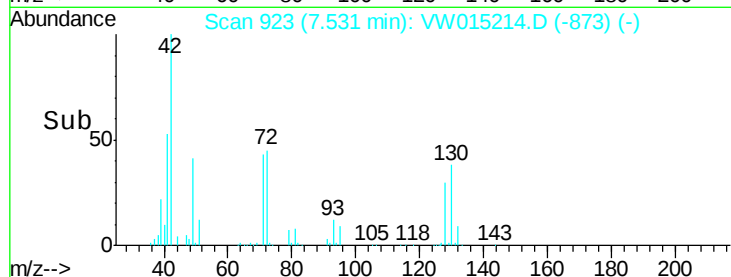
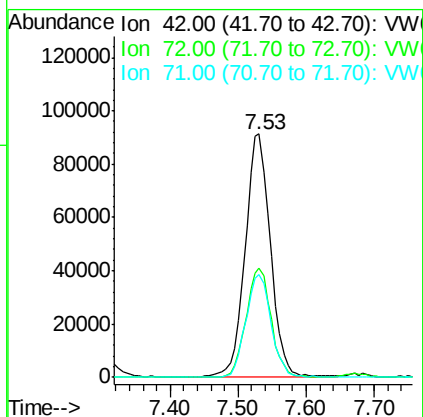
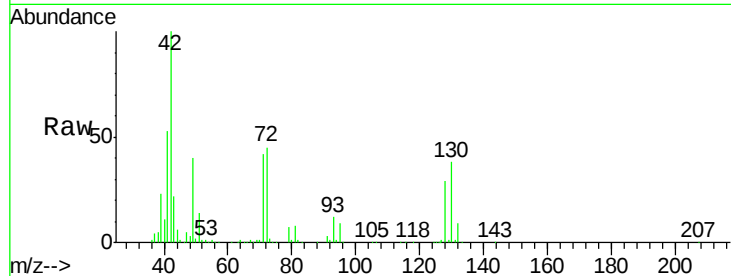




#29
Tetrahydrofuran
Concen: 270.319 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

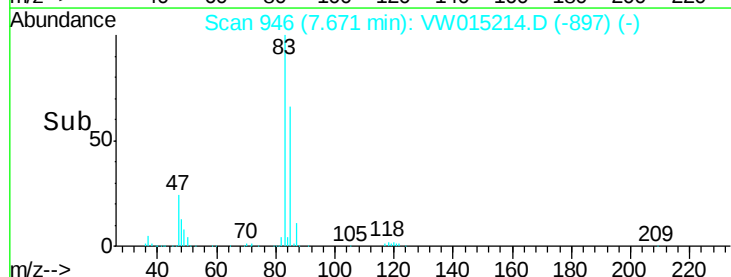
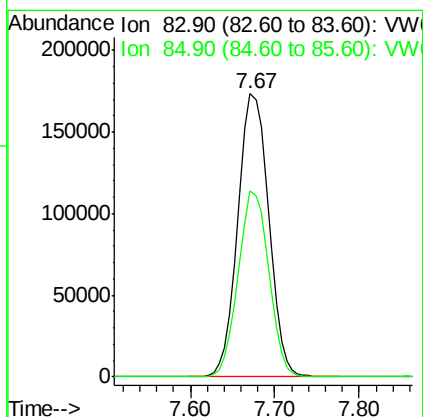
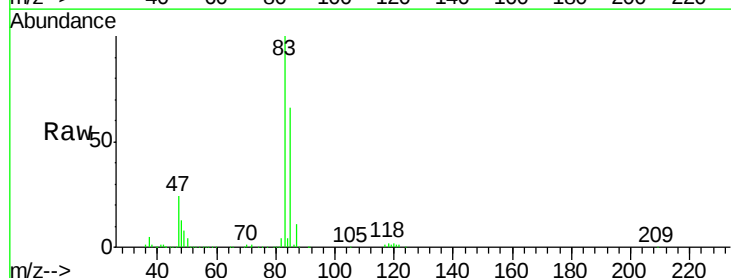
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

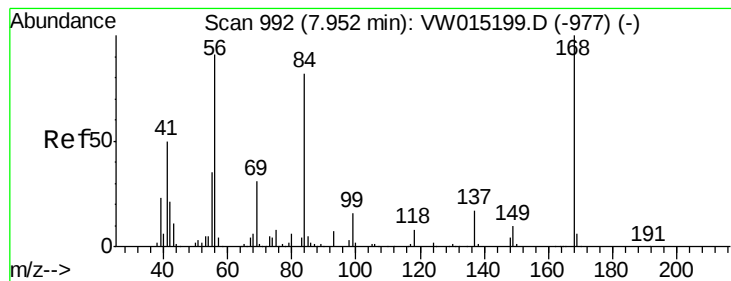
Tot Ion: 42 Resp: 235275
Ion Ratio Lower Upper
42 100
72 44.7 36.2 54.2
71 42.2 34.2 51.4



#30
Chloroform
Concen: 48.311 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion: 83 Resp: 430989
Ion Ratio Lower Upper
83 100
85 65.6 50.9 76.3





#31

Cyclohexane

Concen: 45.547 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

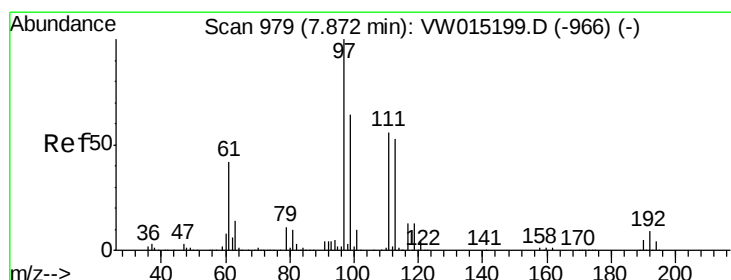
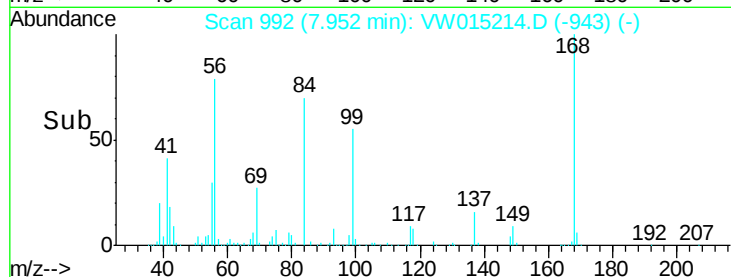
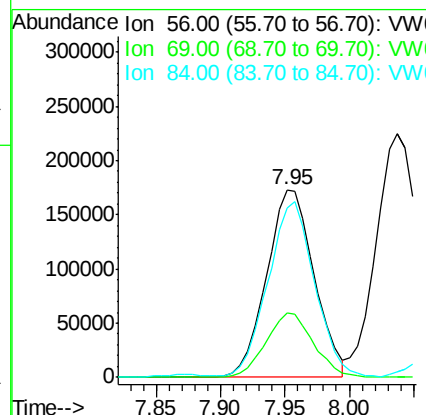
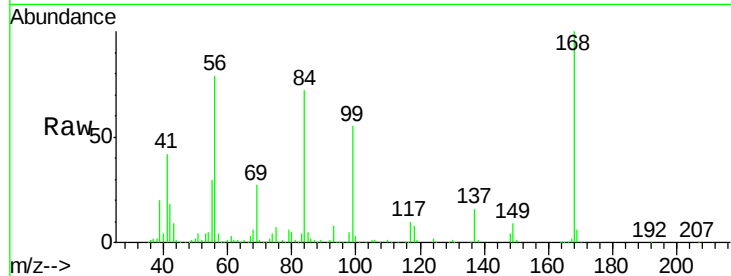
Tot Ion: 56 Resp: 443390

Ion Ratio Lower Upper

56 100

69 34.1 27.1 40.7

84 88.9 71.9 107.9



#32

1,1,1-Trichloroethane

Concen: 48.740 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

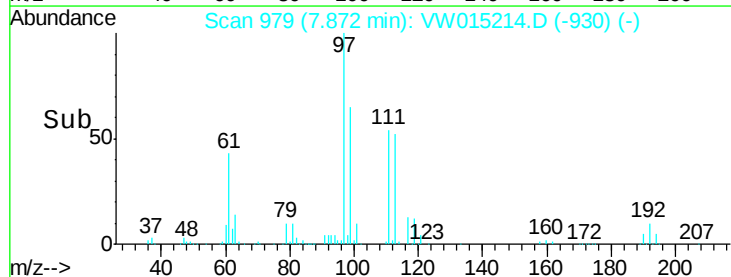
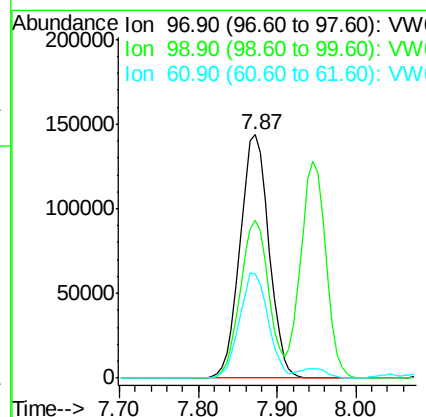
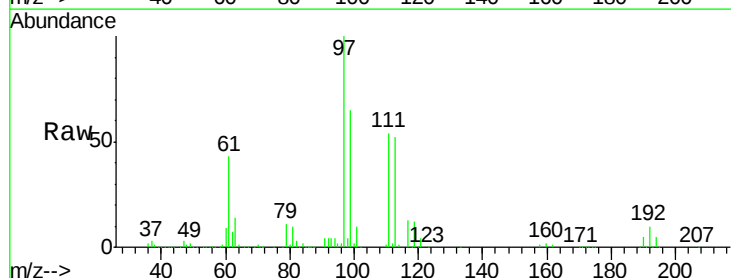
Tgt Ion: 97 Resp: 366293

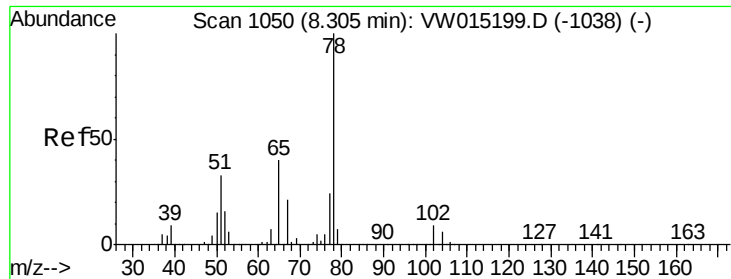
Ion Ratio Lower Upper

97 100

99 64.3 52.2 78.2

61 43.0 34.2 51.2

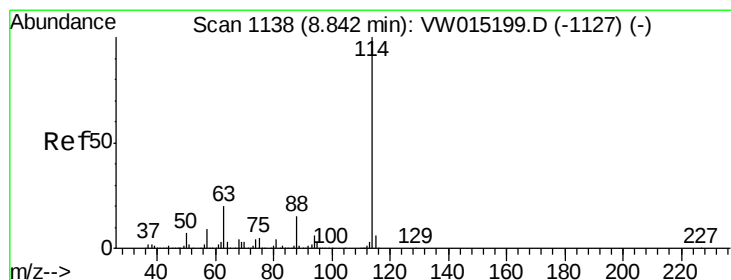
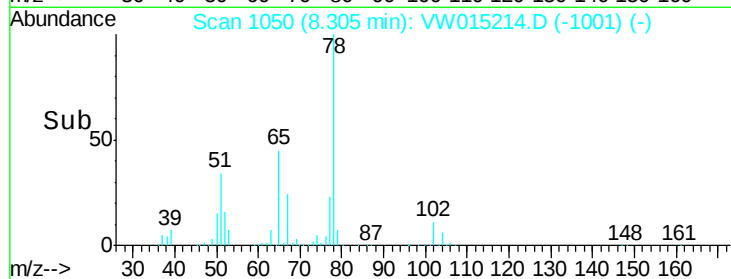
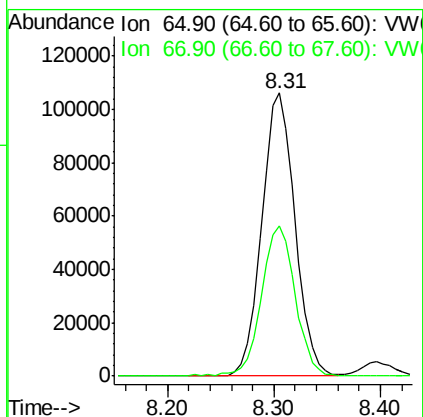
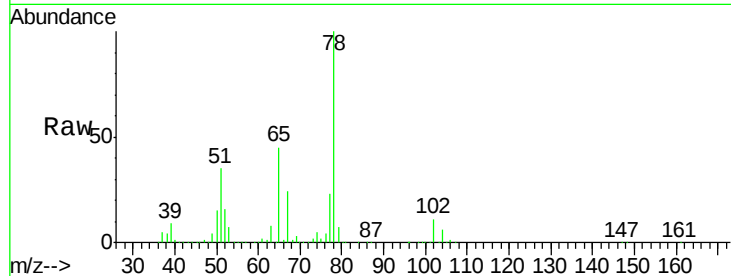




#33
 1,2-Dichloroethane-d4
 Concen: 49.527 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

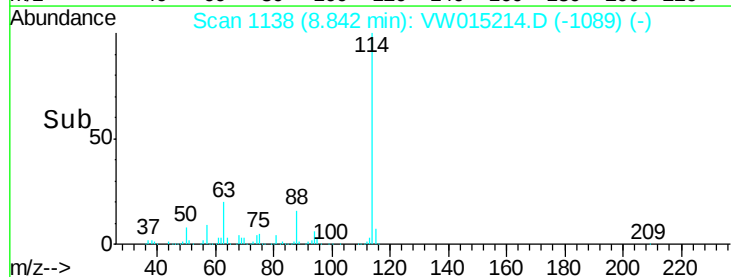
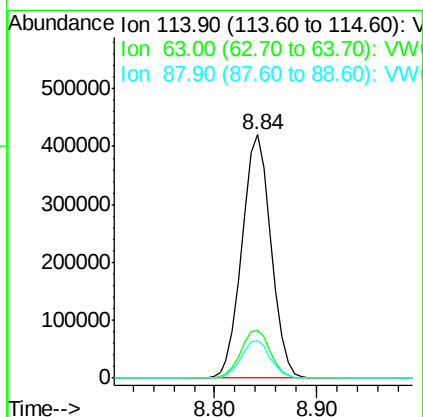
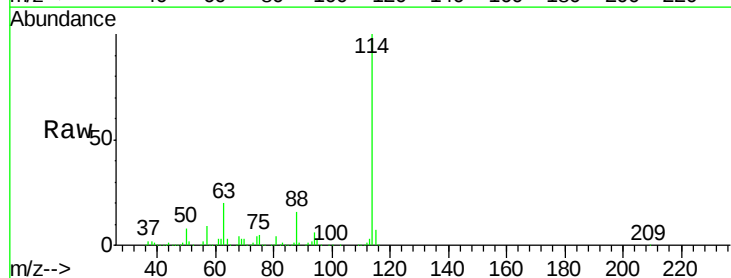
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

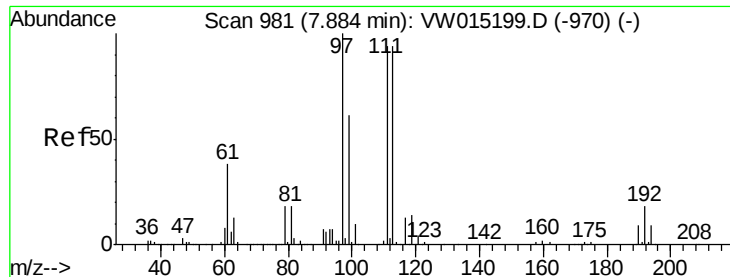
Tot Ion: 65 Resp: 230720
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

Tgt Ion: 114 Resp: 832662
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.576 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

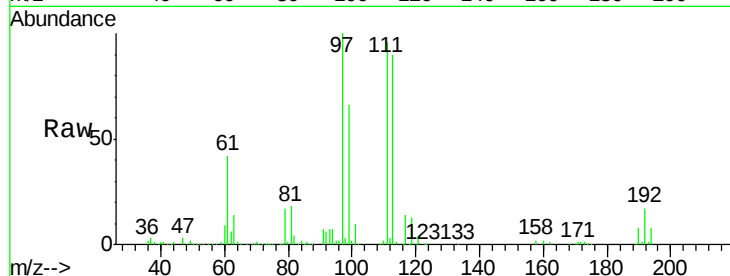
Tot Ion:113 Resp: 228283

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.4

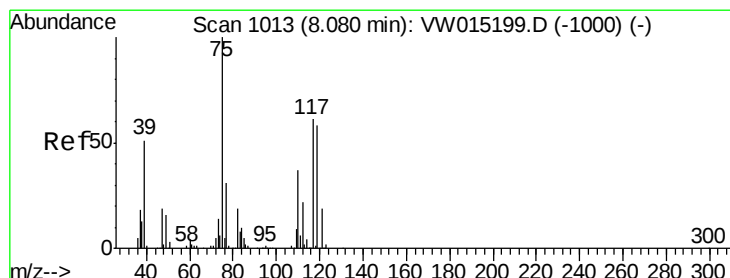
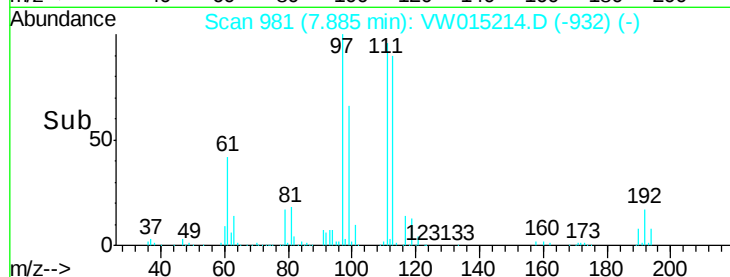
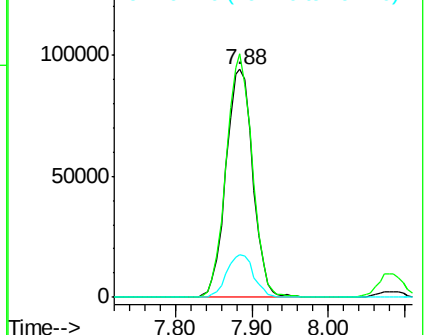
192 18.8 15.1 22.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.904 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

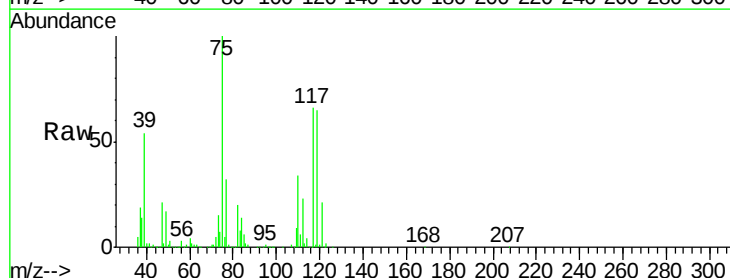
Tgt Ion: 75 Resp: 363780

Ion Ratio Lower Upper

75 100

110 35.8 18.2 54.6

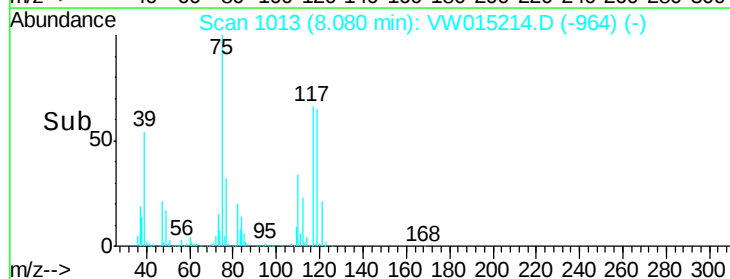
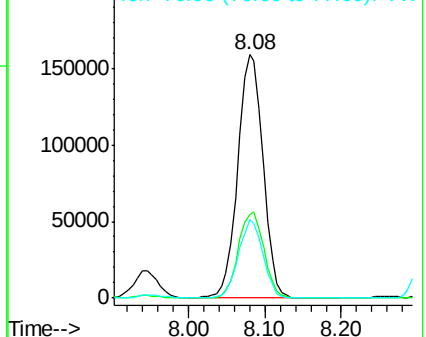
77 31.2 24.5 36.7

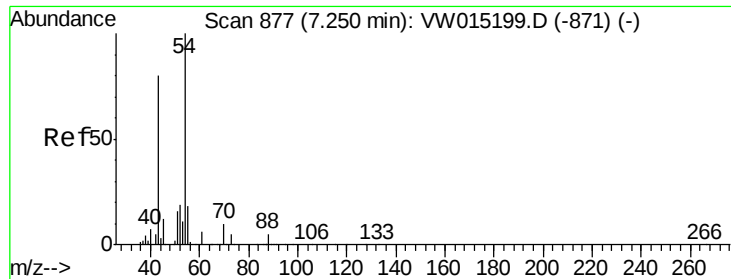


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

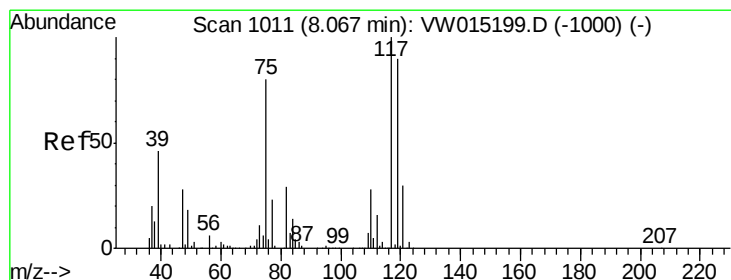
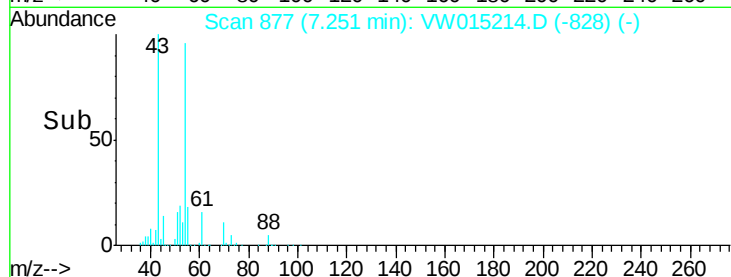
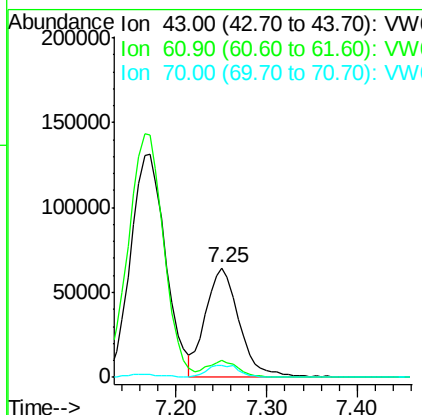
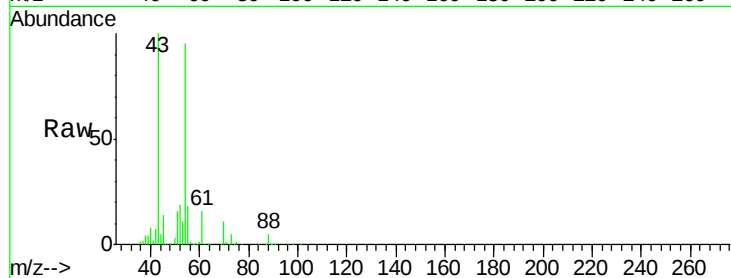




#37
Ethyl Acetate
Concen: 53.126 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

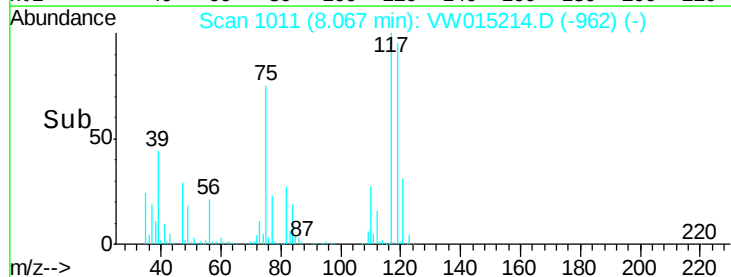
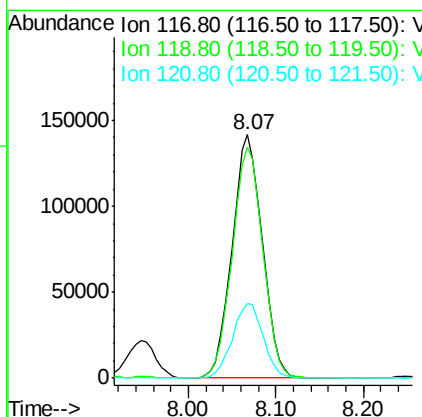
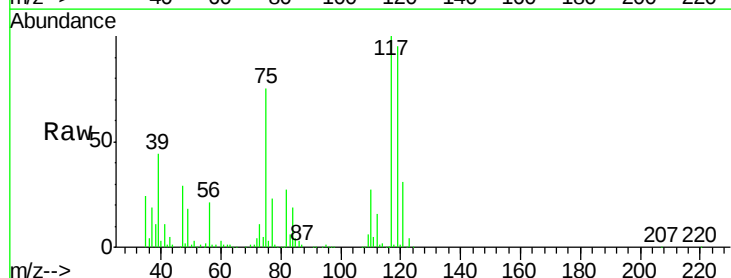
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

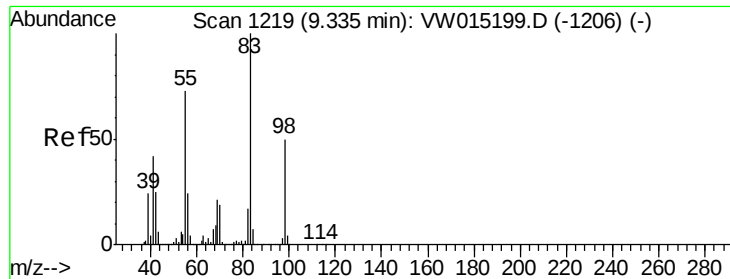
Tot Ion: 43 Resp: 164473
Ion Ratio Lower Upper
43 100
61 14.3 11.9 17.9
70 11.5 8.8 13.2



#38
Carbon Tetrachloride
Concen: 49.710 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion: 117 Resp: 339968
Ion Ratio Lower Upper
117 100
119 95.0 72.3 108.5
121 30.7 23.7 35.5

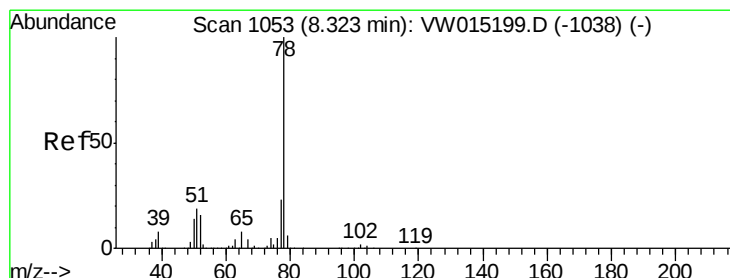
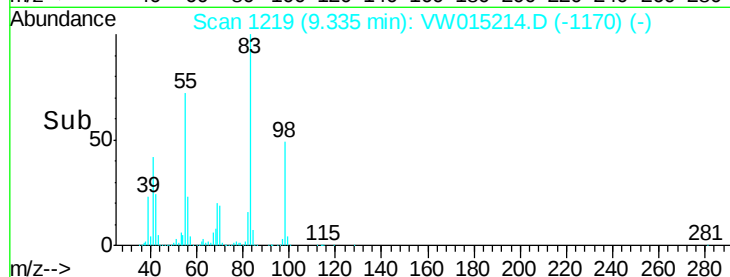
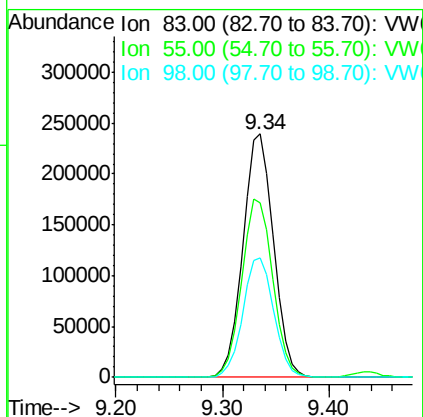
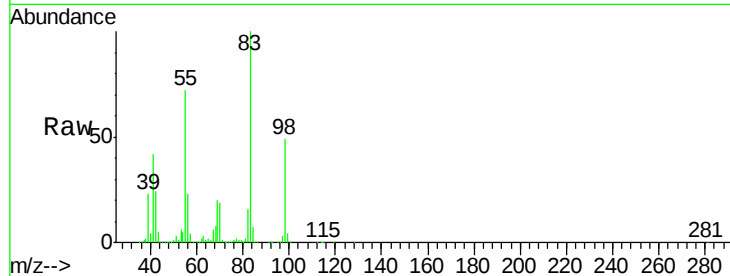




#39
Methvlcvclohexane
Concen: 48.507 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

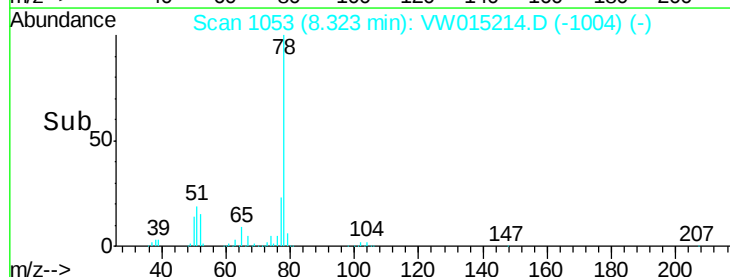
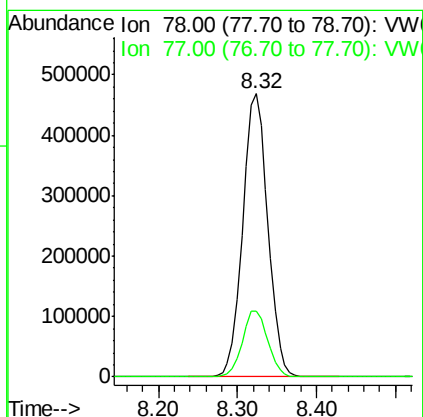
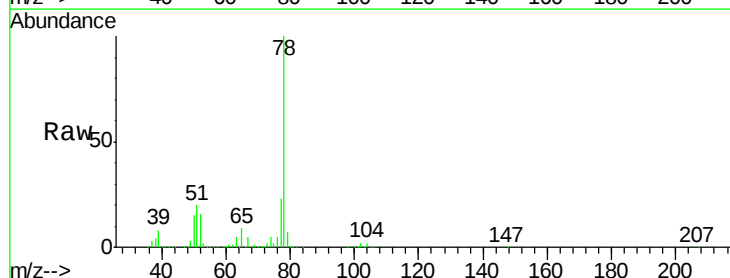
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

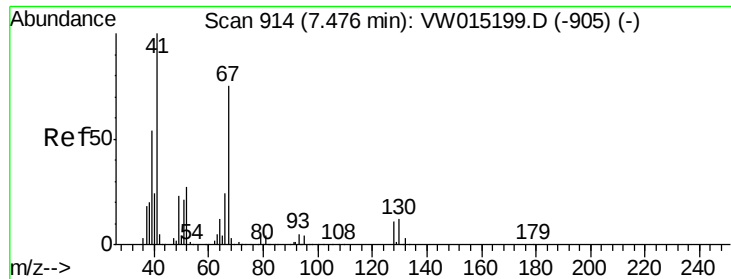
Tot Ion: 83 Resp: 484874
Ion Ratio Lower Upper
83 100
55 71.6 58.1 87.1
98 48.8 40.2 60.4



#40
Benzene
Concen: 49.037 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion: 78 Resp: 1035762
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2

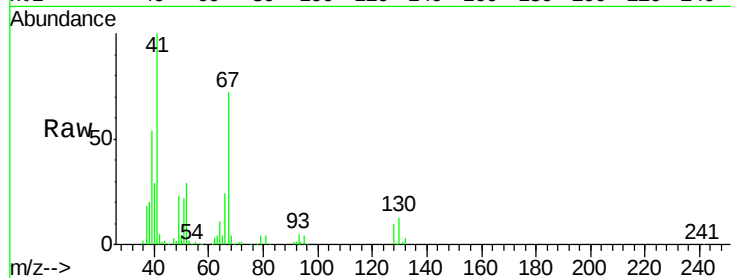




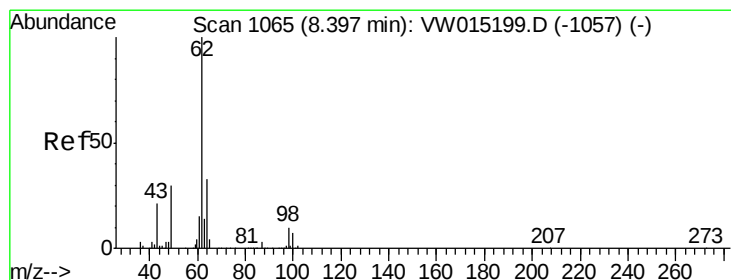
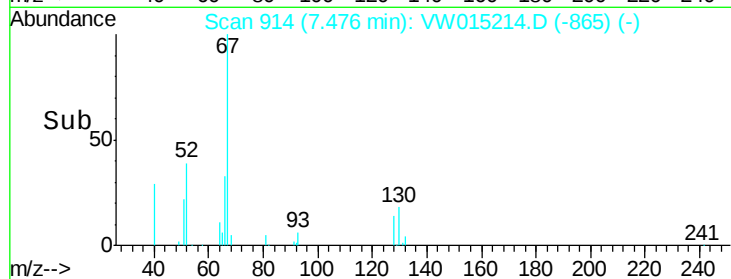
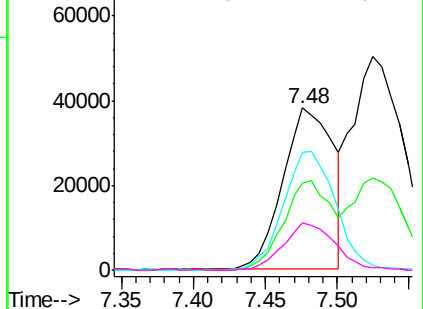
#41
Methacrylonitrile
Concen: 50.757 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	92977
Ion	Ratio	Lower	Upper
41	100		
39	51.8	41.9	62.9
67	77.2	60.6	91.0
52	30.6	23.8	35.8

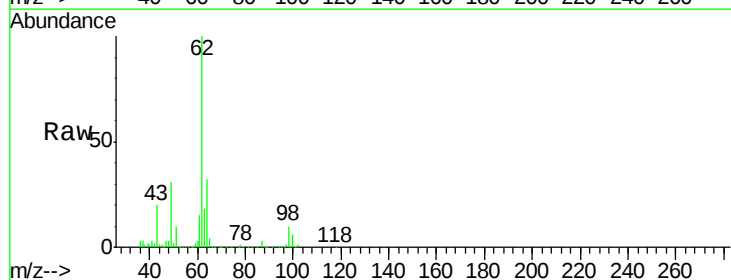


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

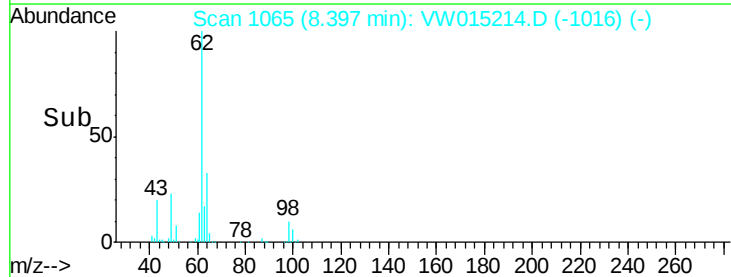
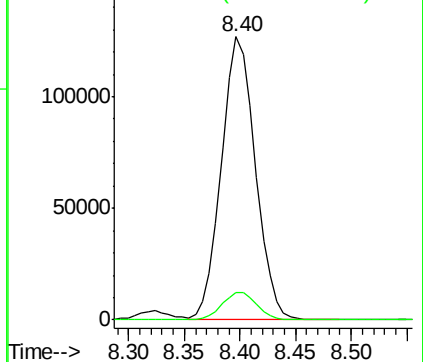


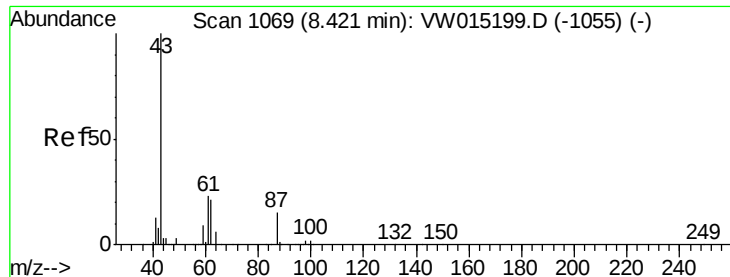
#42
1,2-Dichloroethane
Concen: 50.045 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion:	62	Resp:	268284
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 53.695 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

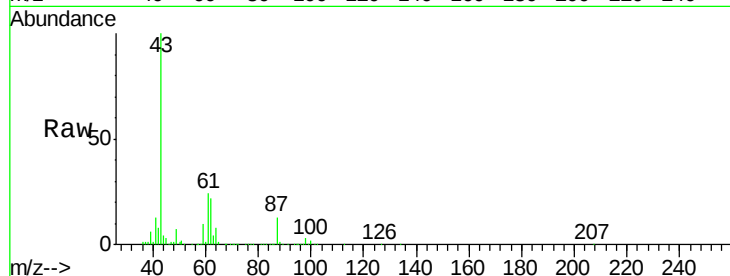
Tot Ion: 43 Resp: 324859

Ion Ratio Lower Upper

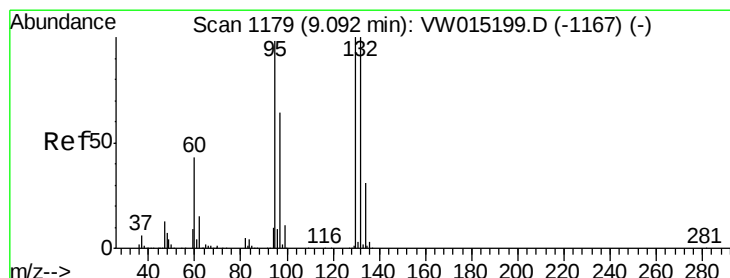
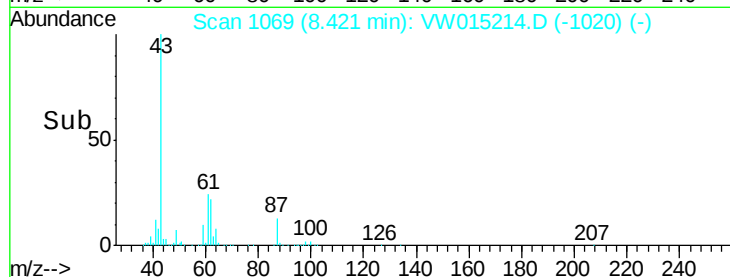
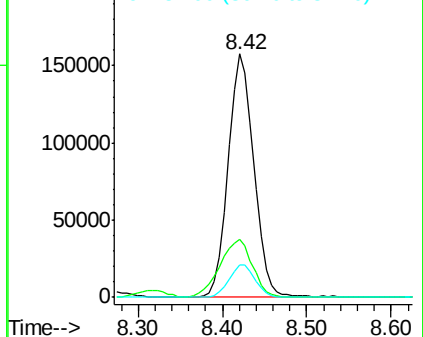
43 100

61 30.4 24.8 37.2

87 13.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 49.227 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015214.D

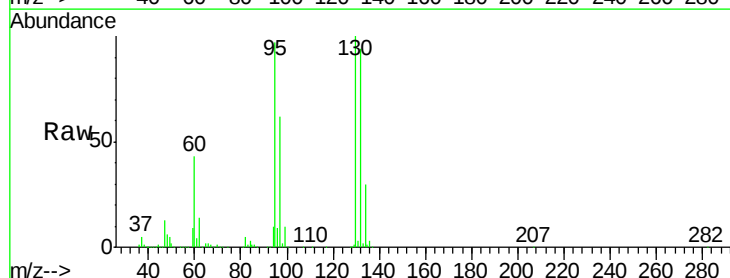
Acq: 15 Apr 2020 20:34

Tgt Ion: 130 Resp: 273210

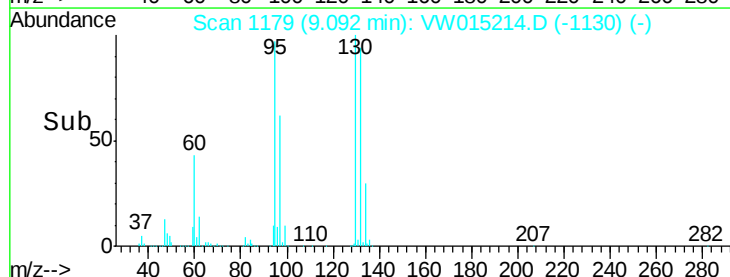
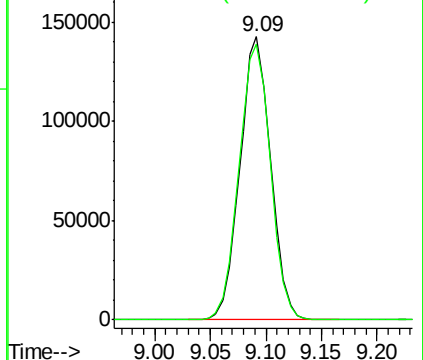
Ion Ratio Lower Upper

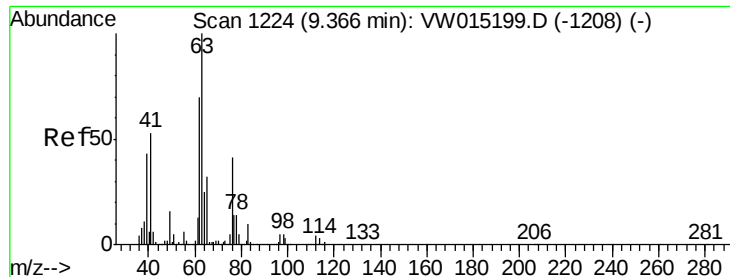
130 100

95 97.2 0.0 196.4



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

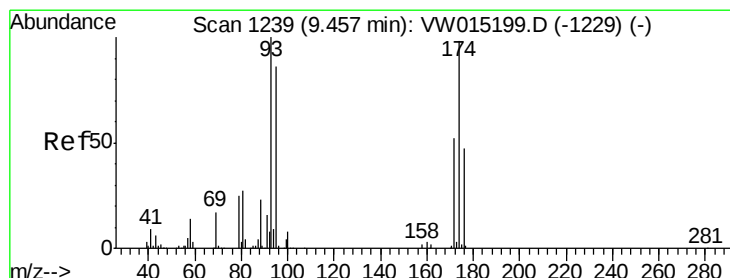
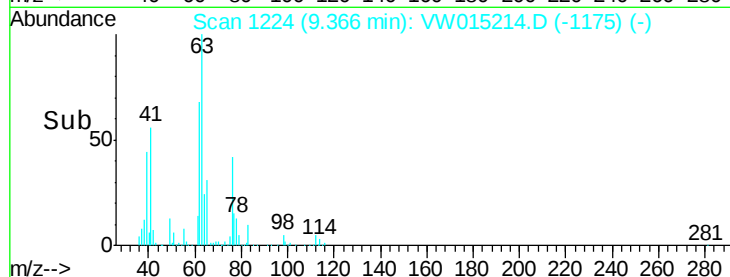
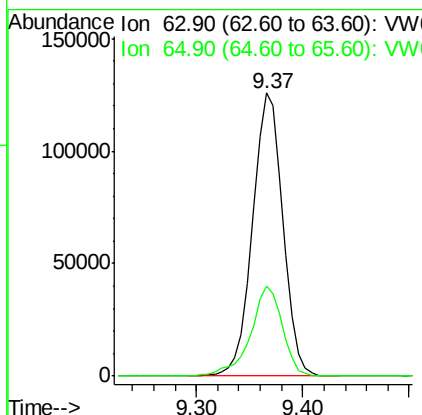
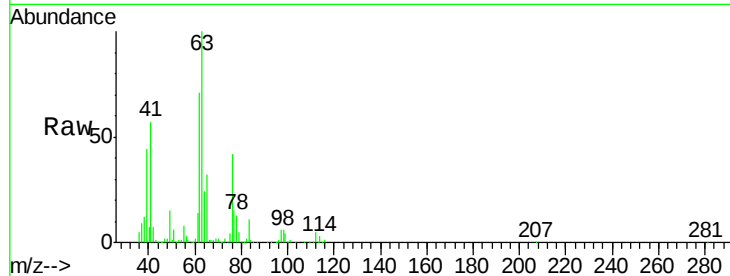




#45
 1,2-Dichloropropane
 Concen: 48.382 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

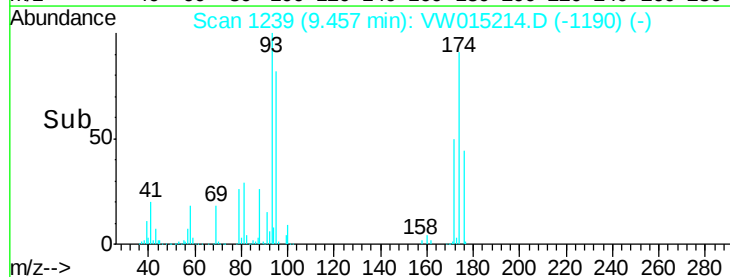
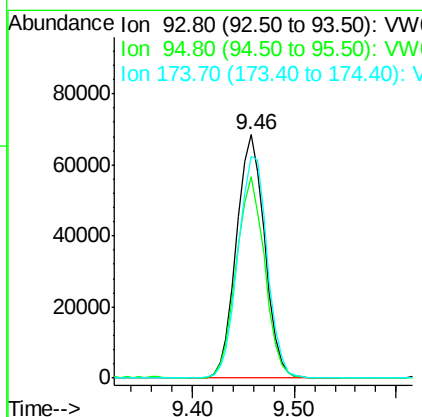
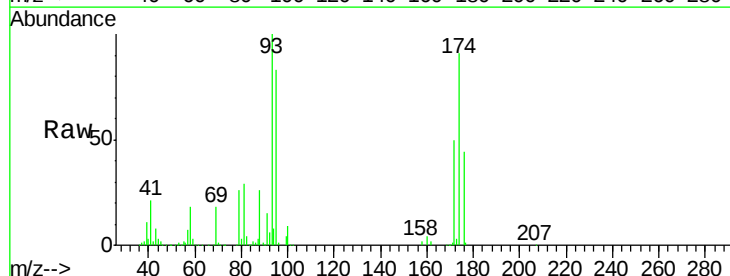
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

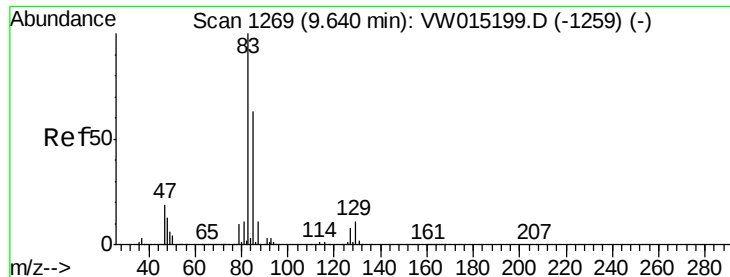
Tot Ion: 63 Resp: 251431
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.5 38.3



#46
 Dibromomethane
 Concen: 50.699 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

Tgt Ion: 93 Resp: 131673
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.5 101.3
 174 94.6 74.1 111.1

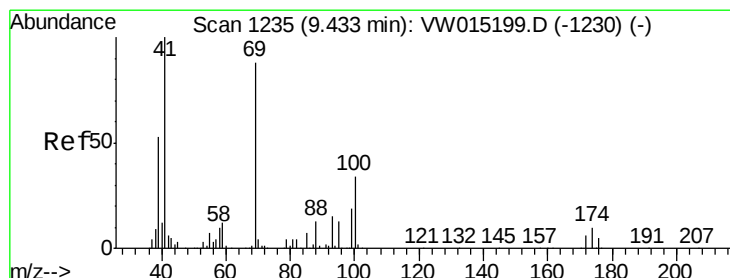
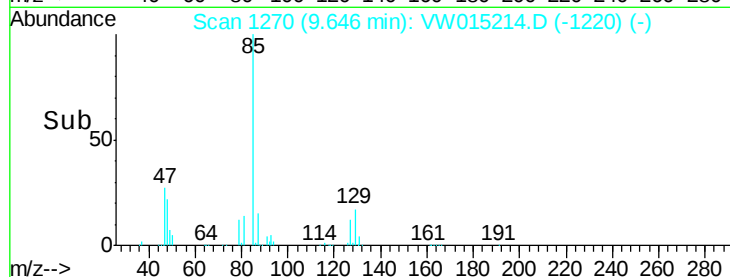
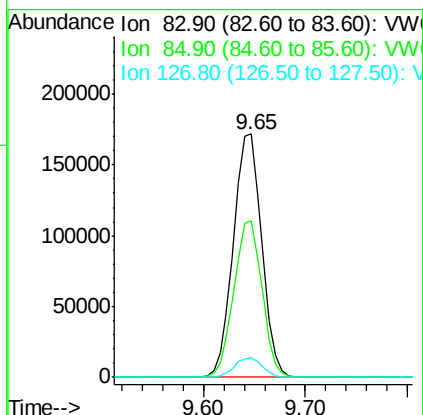
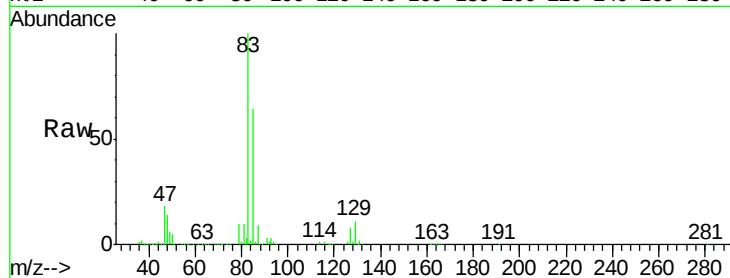




#47
Bromodichloromethane
Concen: 48.972 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

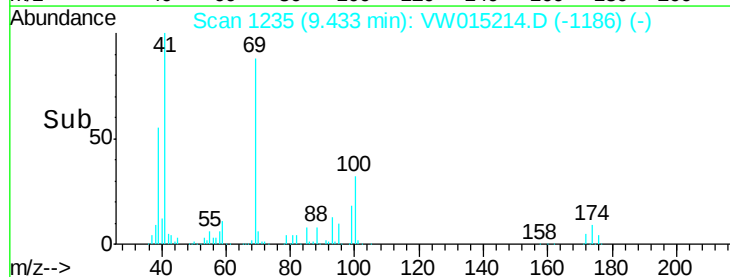
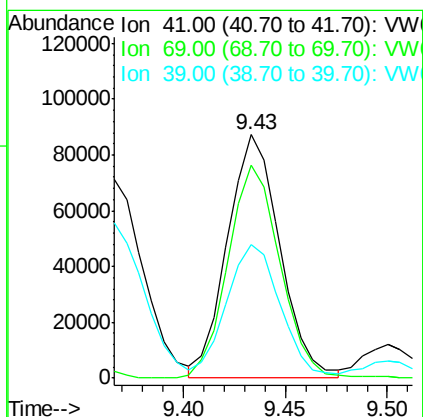
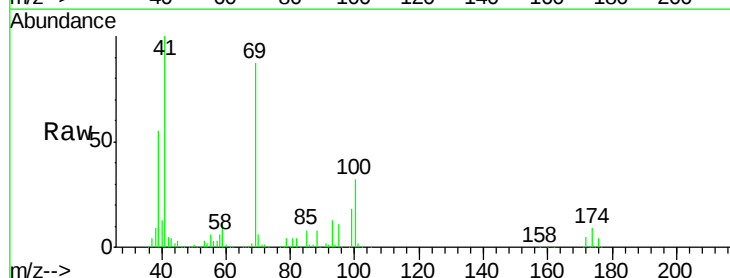
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

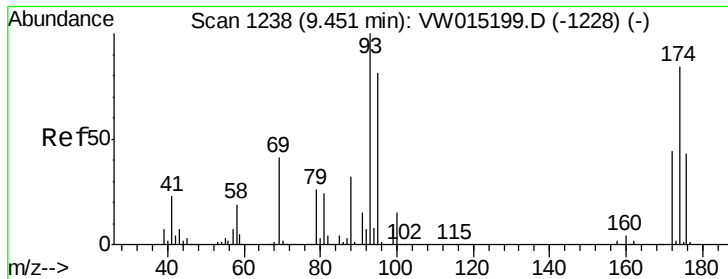
Tot Ion: 83 Resp: 329771
Ion Ratio Lower Upper
83 100
85 64.2 50.6 76.0
127 7.9 6.7 10.1



#48
Methyl methacrylate
Concen: 54.824 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion: 41 Resp: 155142
Ion Ratio Lower Upper
41 100
69 86.7 70.6 105.8
39 52.9 42.6 64.0

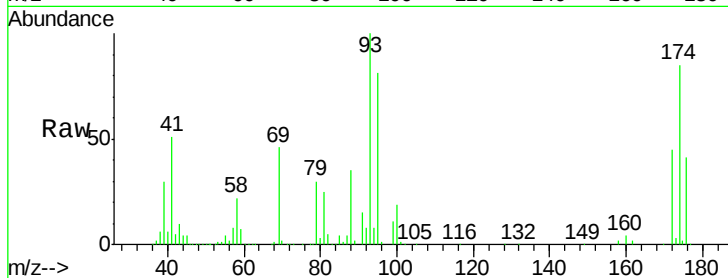




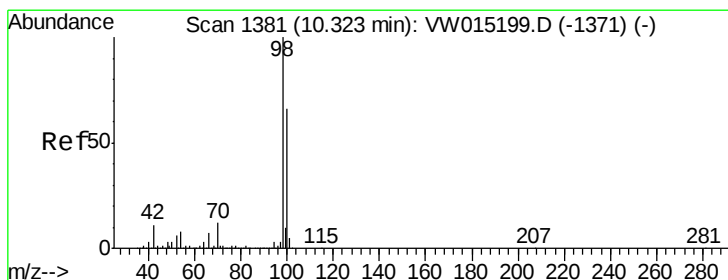
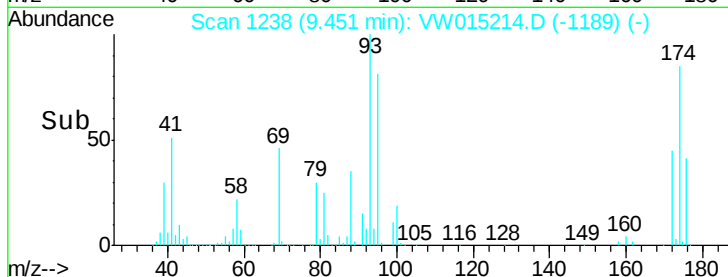
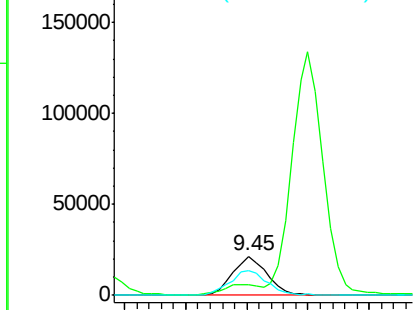
#49
1,4-Dioxane
Concen: 1018.560 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 41969
Ion Ratio Lower Upper
88 100
43 28.3 23.5 35.3
58 70.7 55.4 83.2

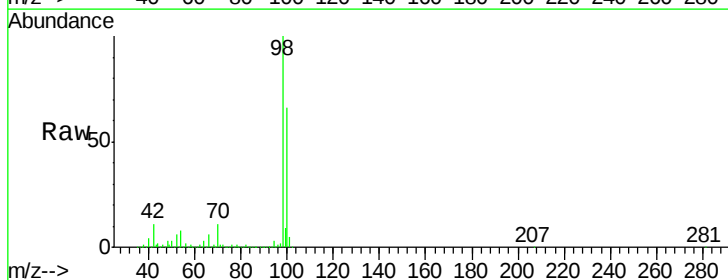


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

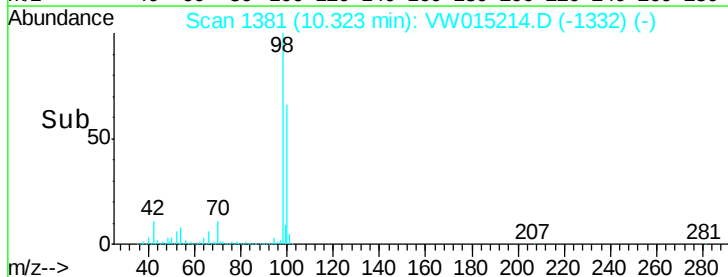
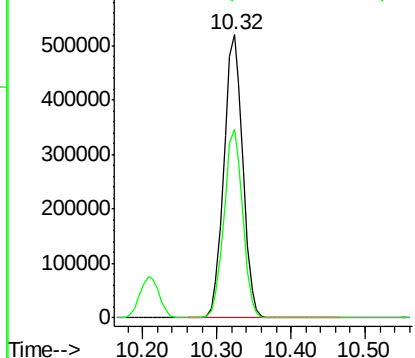


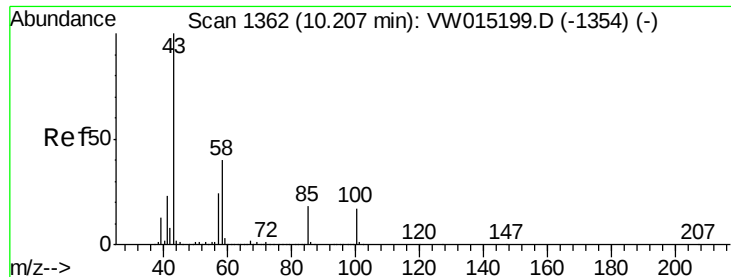
#50
Toluene-d8
Concen: 48.899 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion: 98 Resp: 914660
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



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: 260.529 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

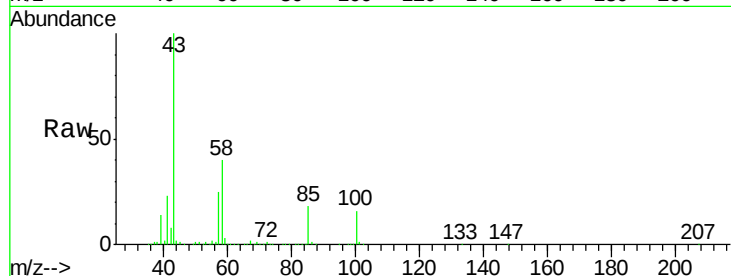
VSTDCCC050EC

Tot Ion: 43 Resp: 833659

Ion Ratio Lower Upper

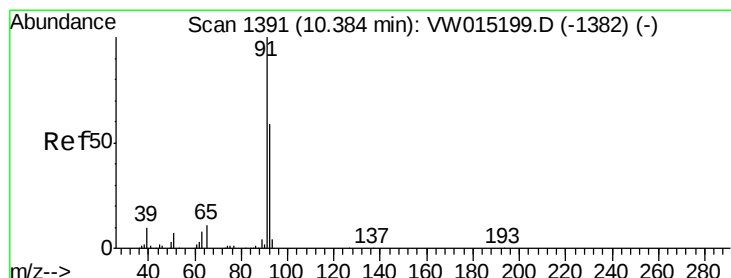
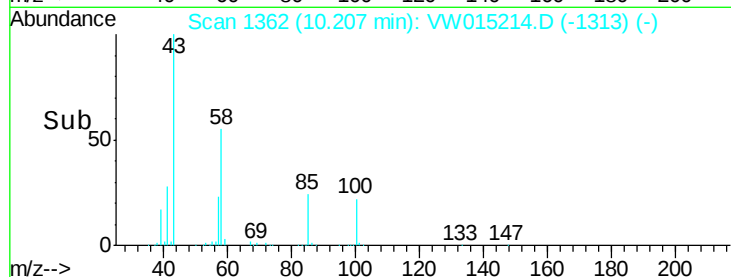
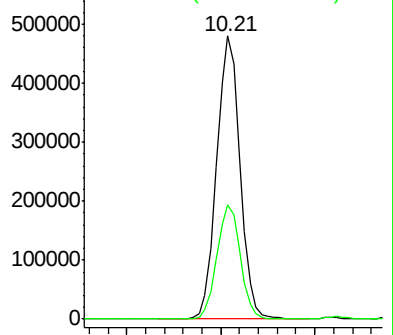
43 100

58 40.5 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 48.262 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015214.D

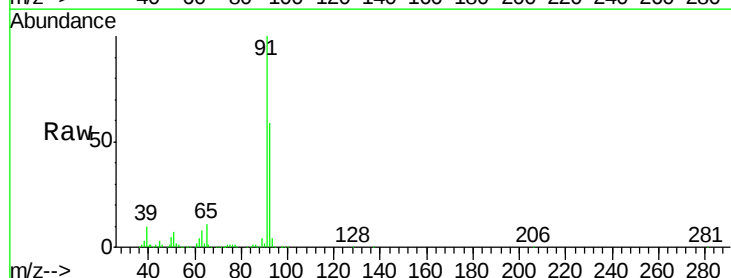
Acq: 15 Apr 2020 20:34

Tgt Ion: 92 Resp: 652502

Ion Ratio Lower Upper

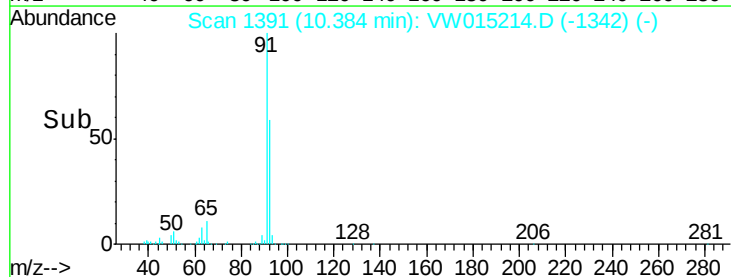
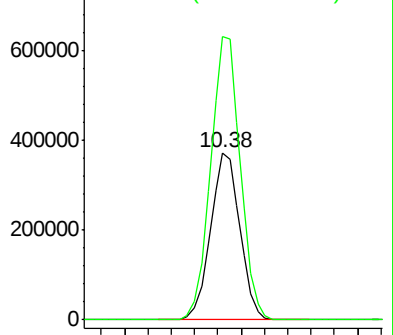
92 100

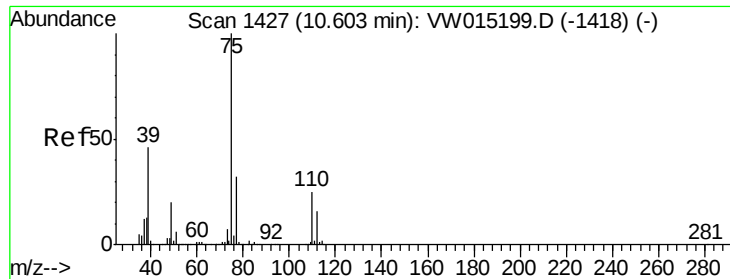
91 171.0 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 49.037 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

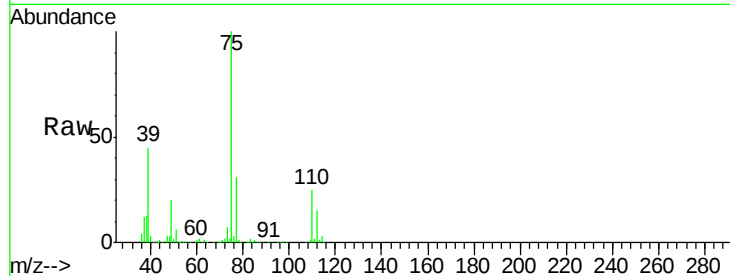
VSTDCCC050EC

Tot Ion: 75 Resp: 335955

Ion Ratio Lower Upper

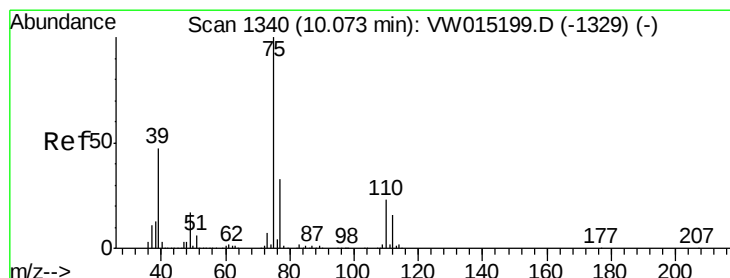
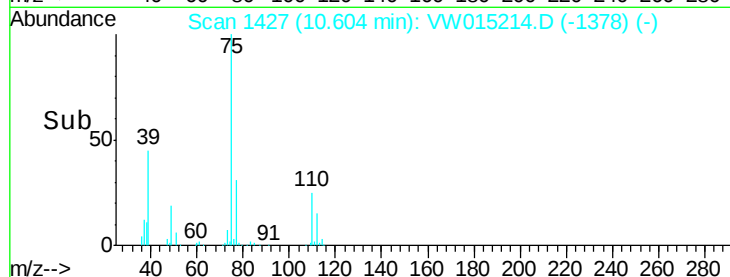
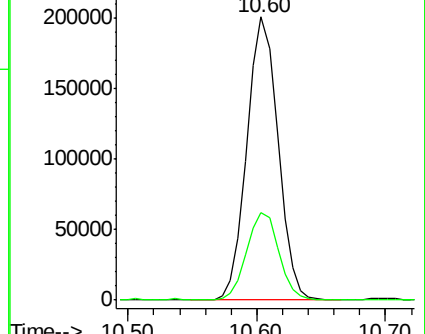
75 100

77 30.9 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 48.583 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

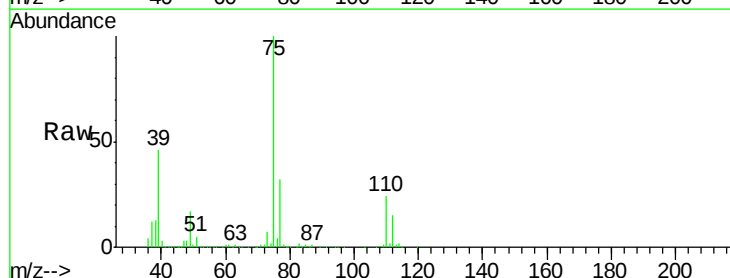
Tgt Ion: 75 Resp: 401551

Ion Ratio Lower Upper

75 100

77 31.6 26.6 39.8

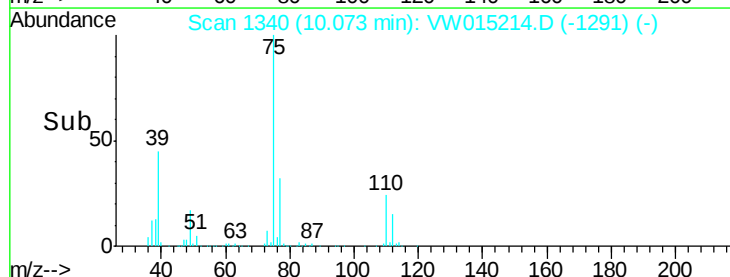
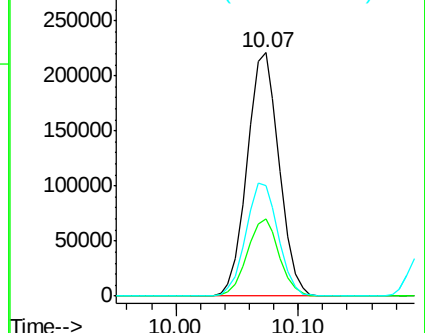
39 45.5 37.8 56.6

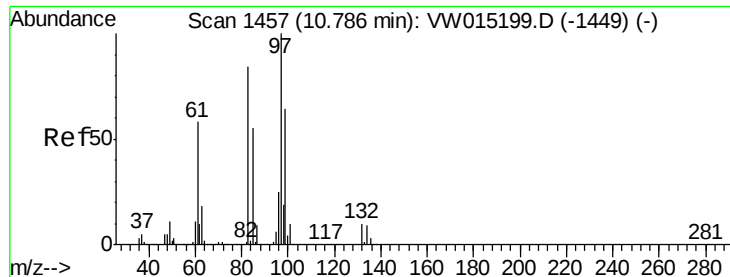


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

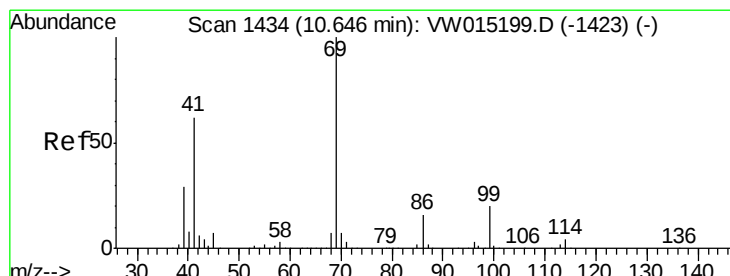
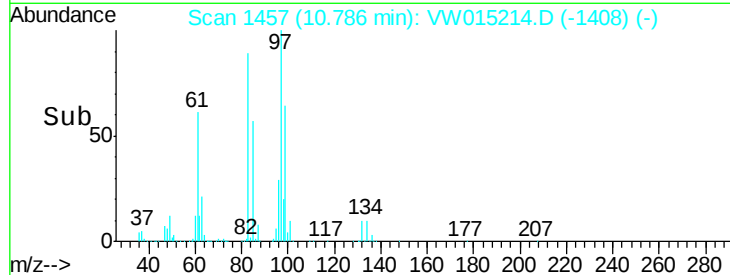
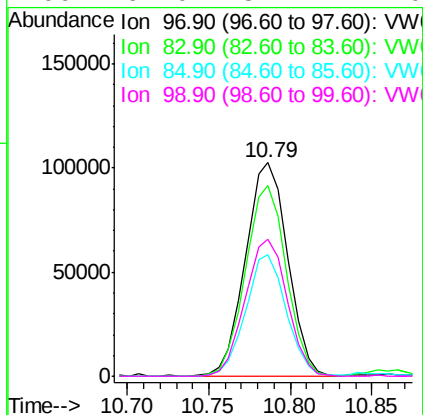
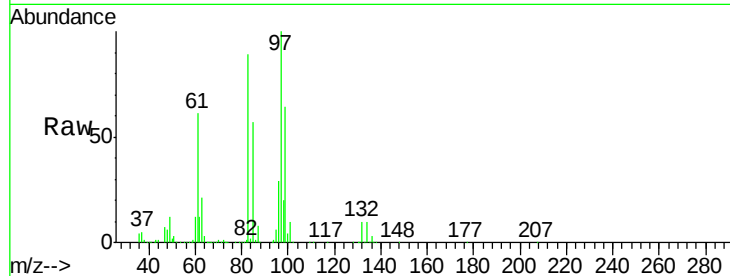




#55
 1,1,2-Trichloroethane
 Concen: 50.212 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

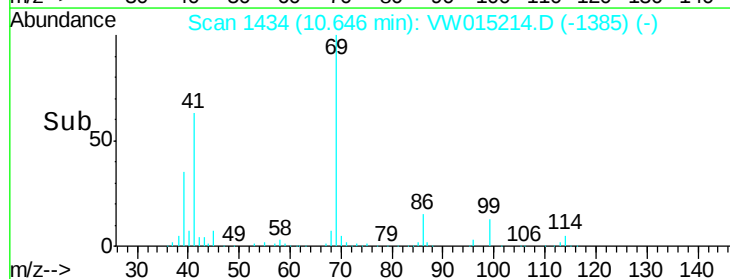
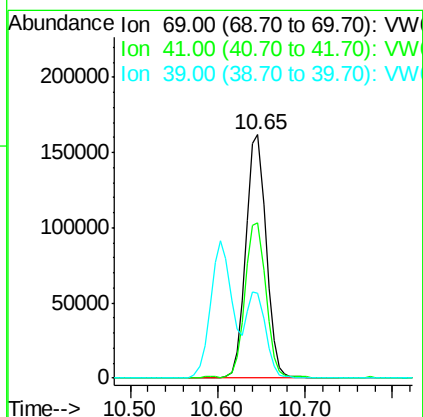
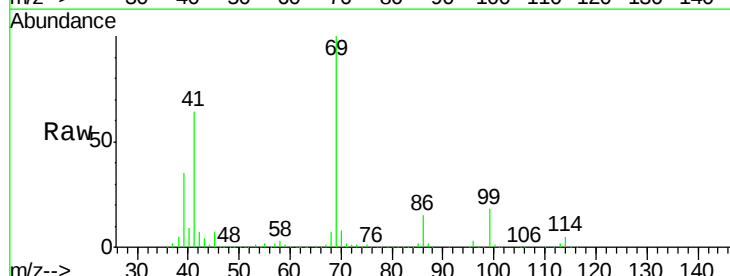
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

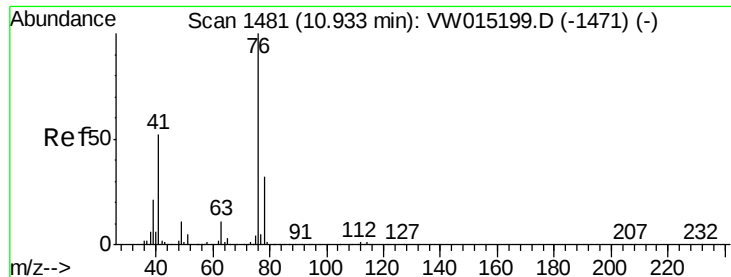
Tot Ion:	97	Resp:	184781
Ion	Ratio	Lower	Upper
97	100		
83	89.4	67.3	100.9
85	56.9	43.8	65.8
99	64.0	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 51.528 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

Tgt Ion:	69	Resp:	261305
Ion	Ratio	Lower	Upper
69	100		
41	65.6	51.3	76.9
39	32.1	24.6	37.0

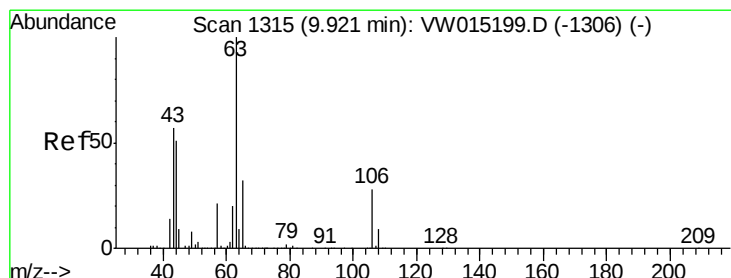
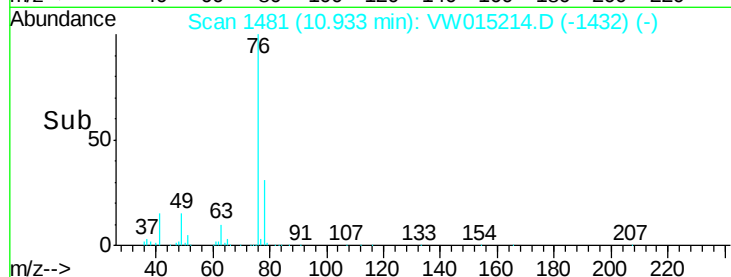
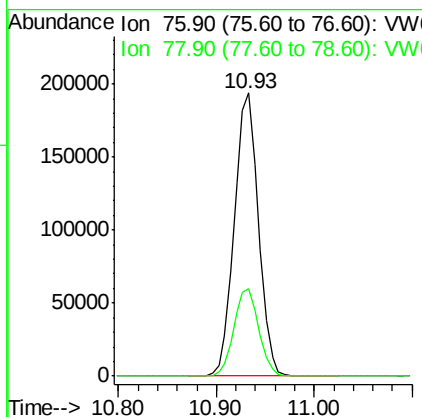
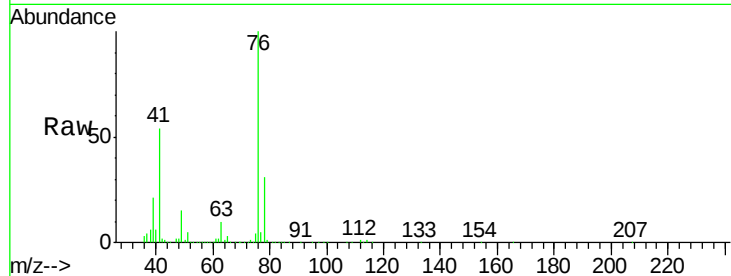




#57
 1,3-Dichloropropane
 Concen: 51.100 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

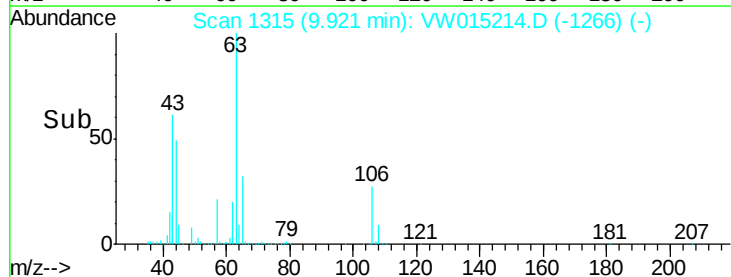
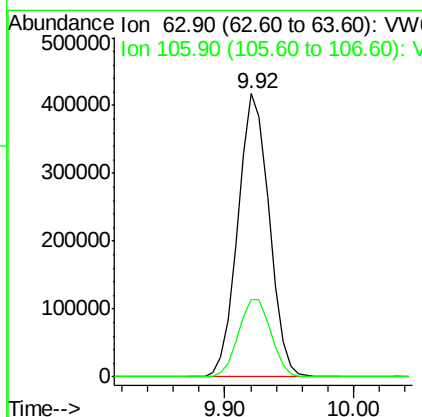
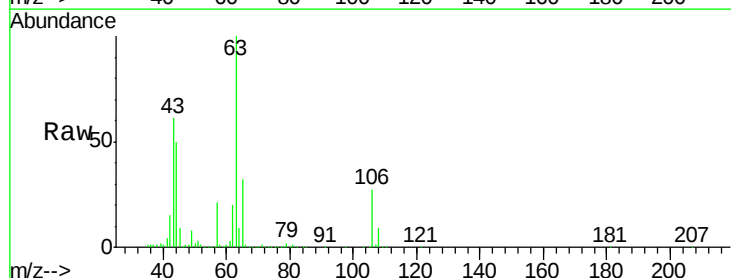
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

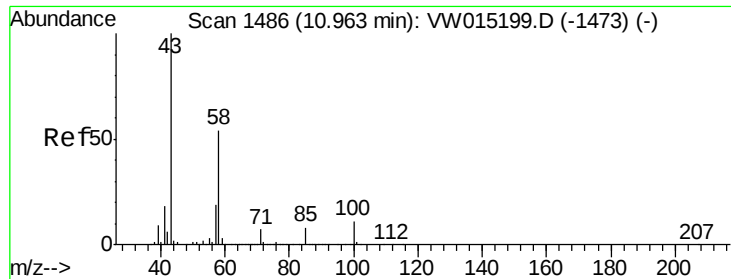
Tot Ion: 76 Resp: 330517
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.267 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

Tgt Ion: 63 Resp: 703414
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.6 33.8

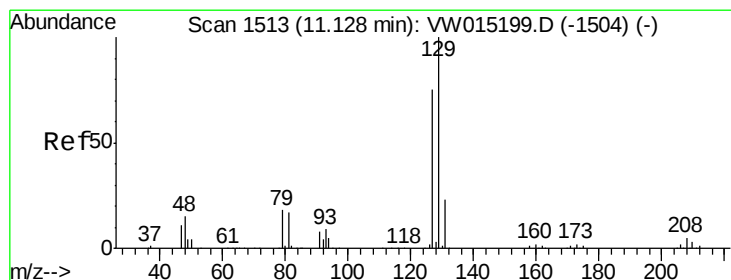
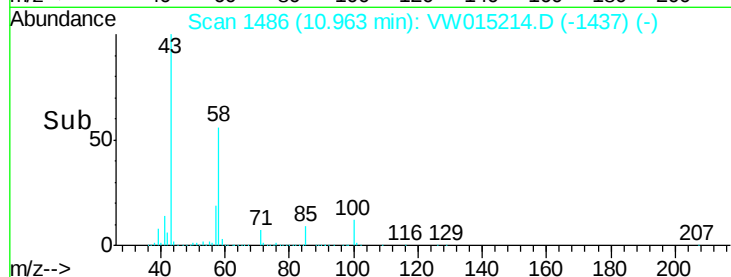
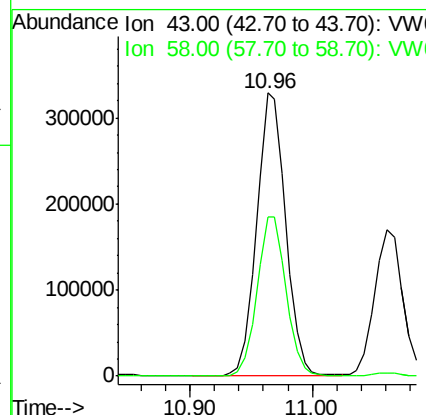
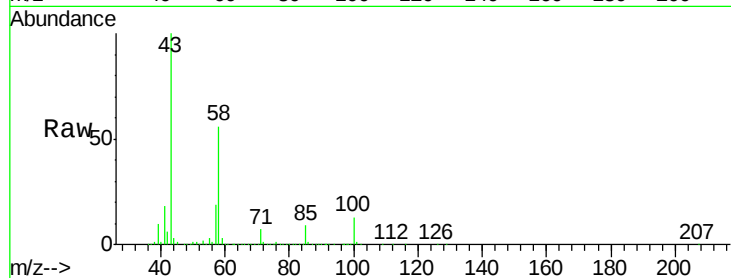




#59
2-Hexanone
Concen: 270.700 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

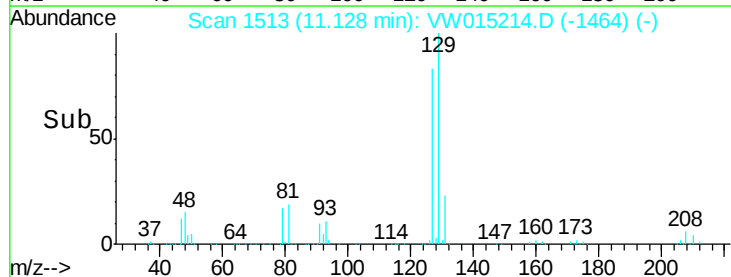
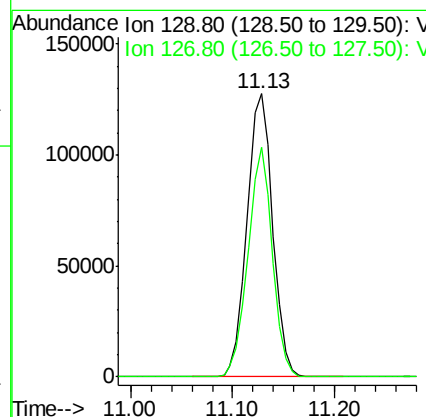
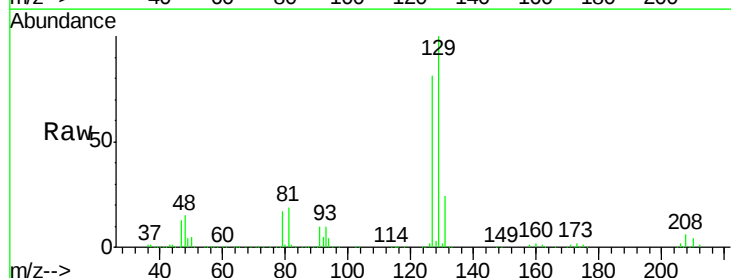
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

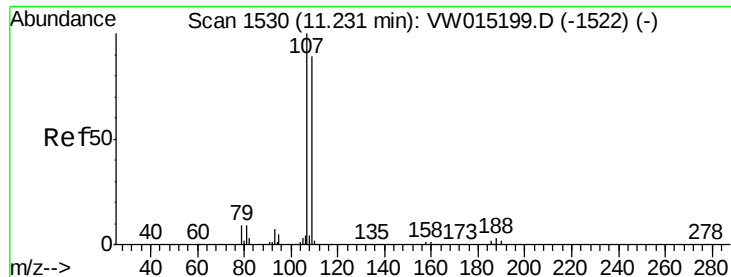
Tot Ion: 43 Resp: 543634
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.3



#60
Dibromochloromethane
Concen: 50.747 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion: 129 Resp: 222820
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 51.197 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

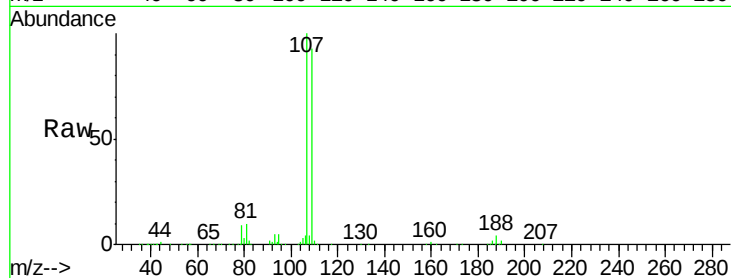
VSTDCCC050EC

Tot Ion: 107 Resp: 181573

Ion Ratio Lower Upper

107 100

109 93.8 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

100000

80000

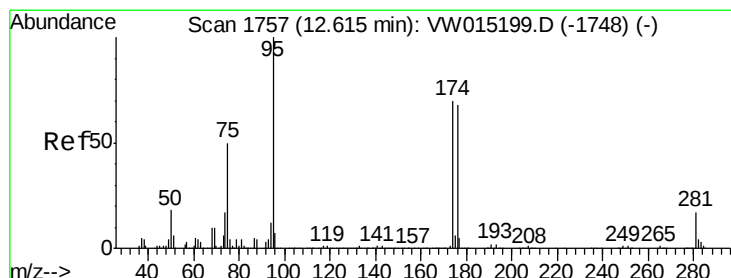
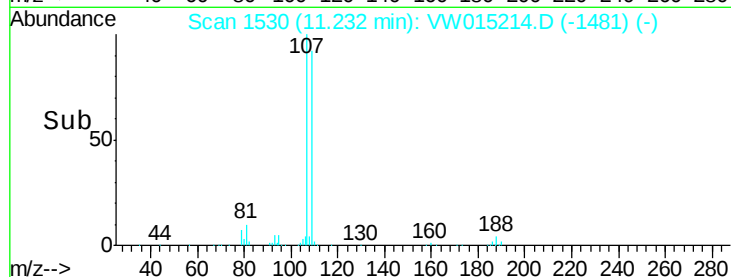
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.426 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

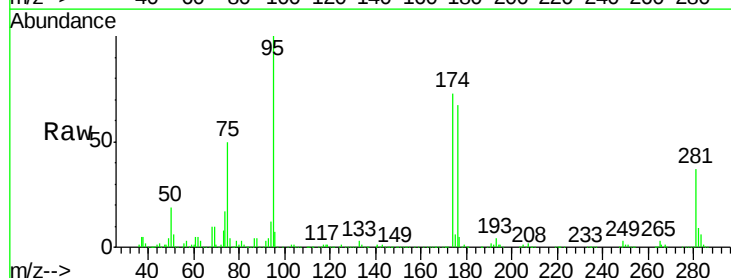
Tgt Ion: 95 Resp: 317264

Ion Ratio Lower Upper

95 100

174 74.5 0.0 144.4

176 70.3 0.0 140.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

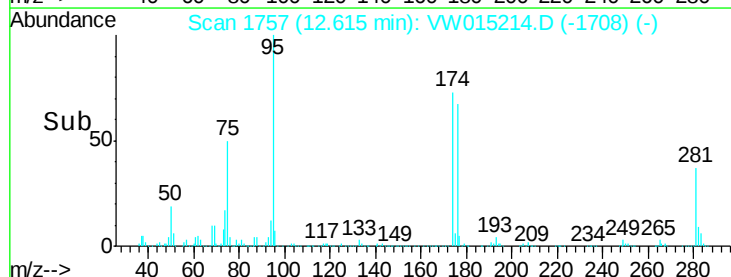
150000

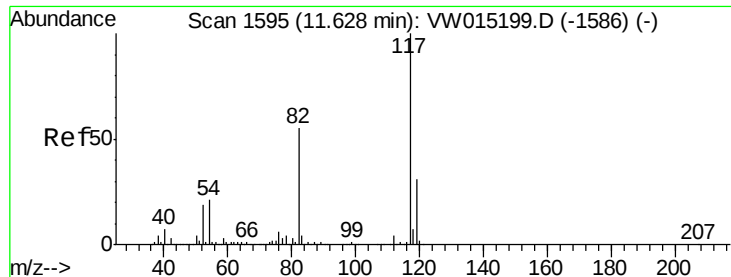
100000

50000

0

Time-->

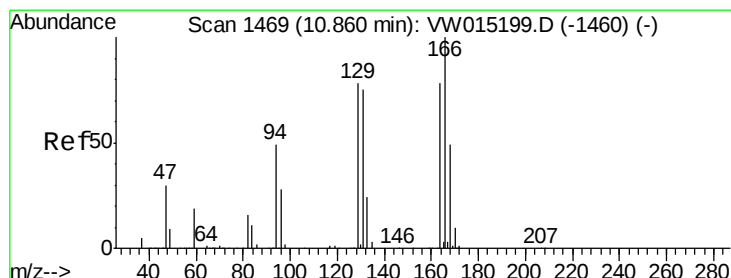
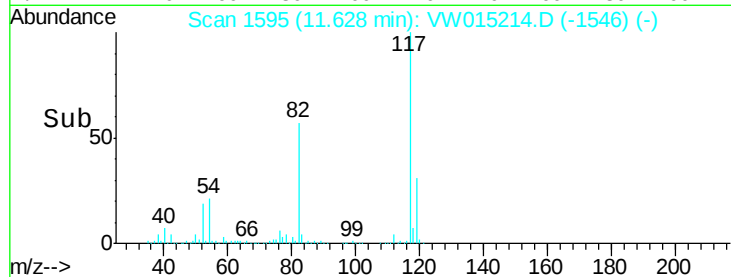
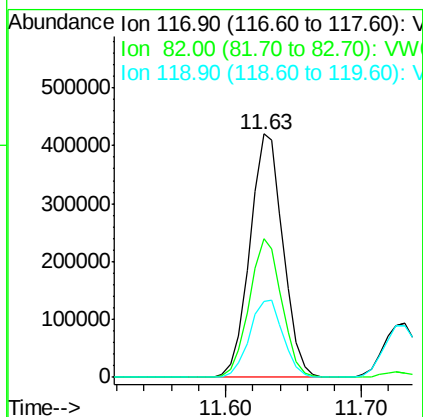
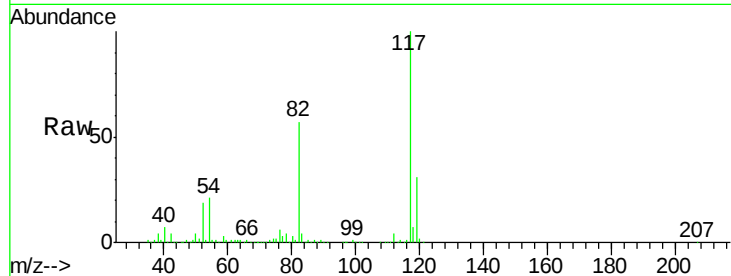




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

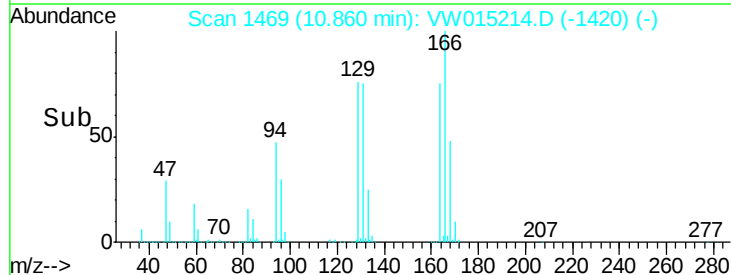
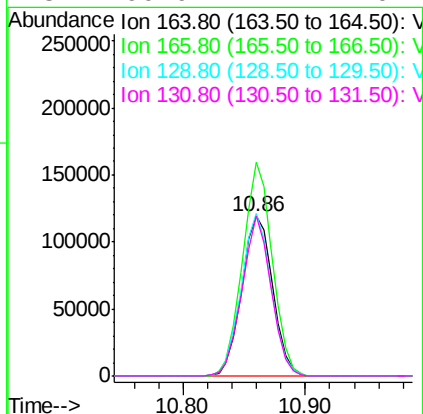
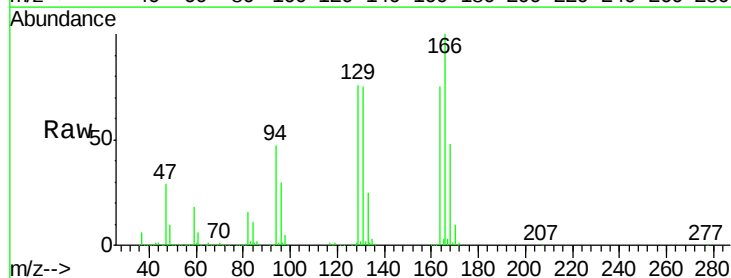
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

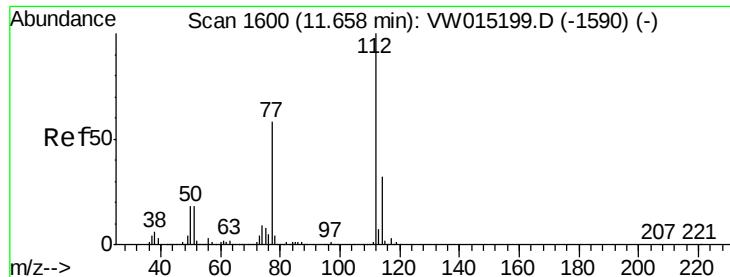
Tot Ion:117 Resp: 716976
Ion Ratio Lower Upper
117 100
82 57.0 44.1 66.1
119 30.9 24.9 37.3



#64
Tetrachloroethene
Concen: 49.457 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion:164 Resp: 208289
Ion Ratio Lower Upper
164 100
166 133.7 102.6 154.0
129 101.6 80.2 120.2
131 99.9 77.4 116.2

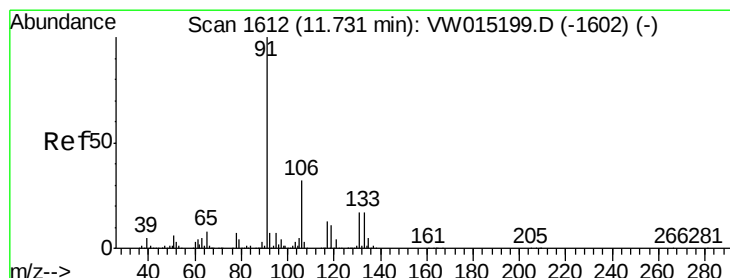
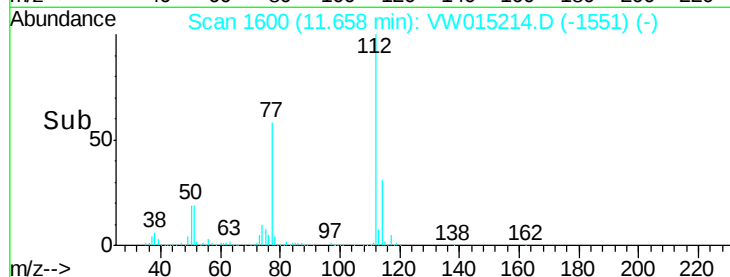
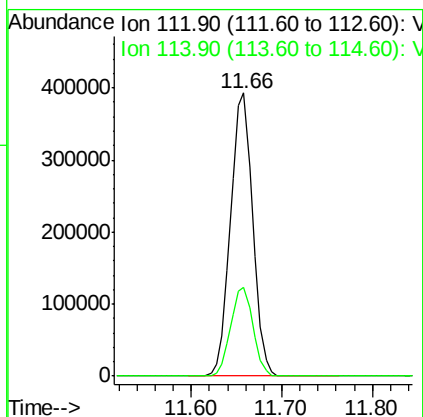
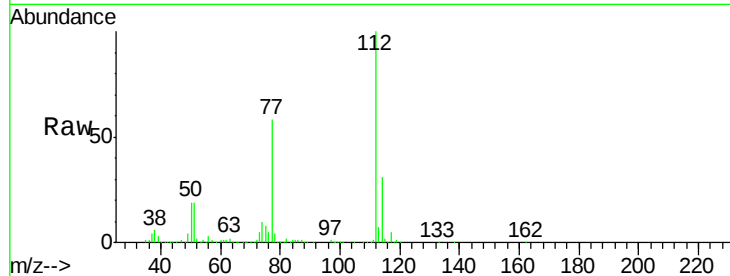




#65
Chlorobenzene
Concen: 49.355 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

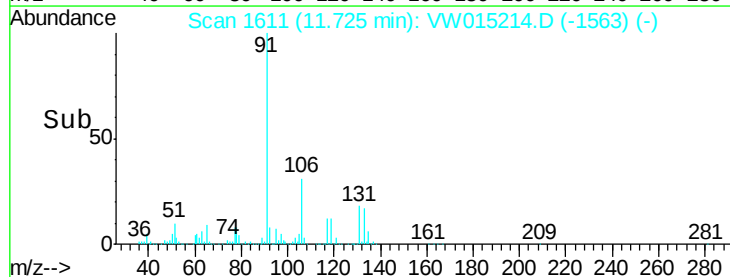
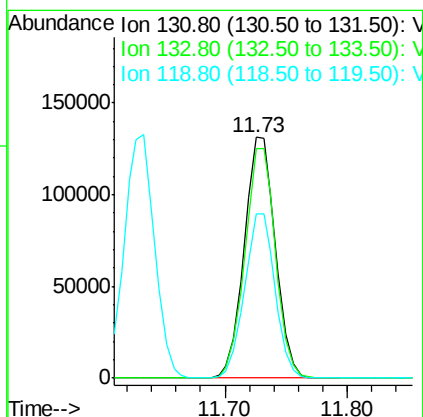
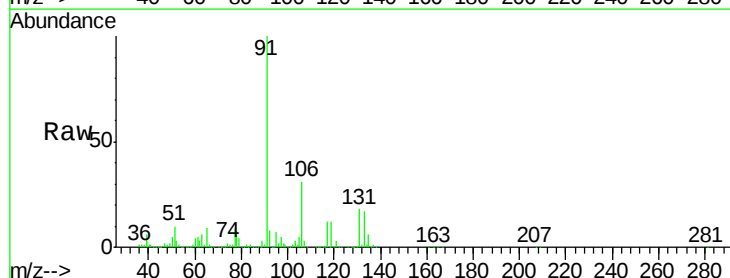
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

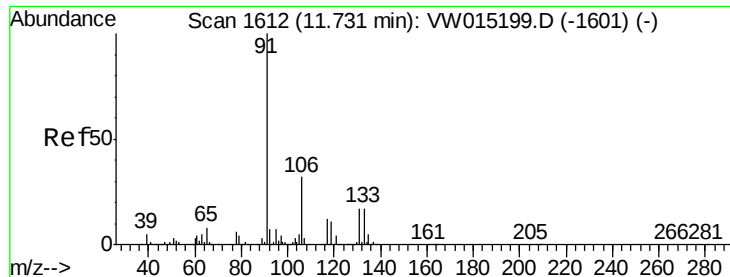
Tot Ion:112 Resp: 665842
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.669 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion:131 Resp: 231599
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 66.9 34.0 101.8

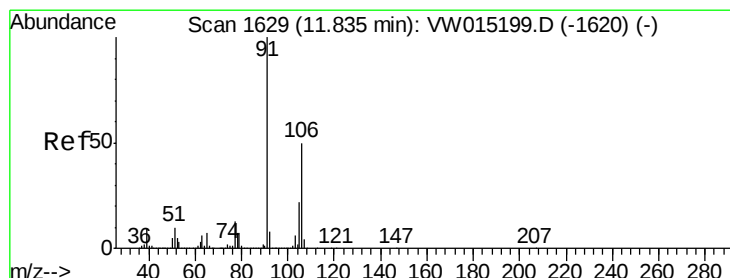
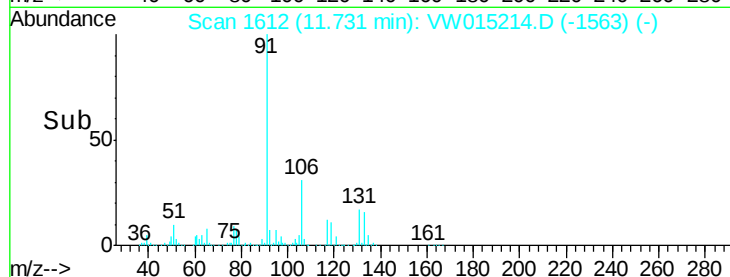
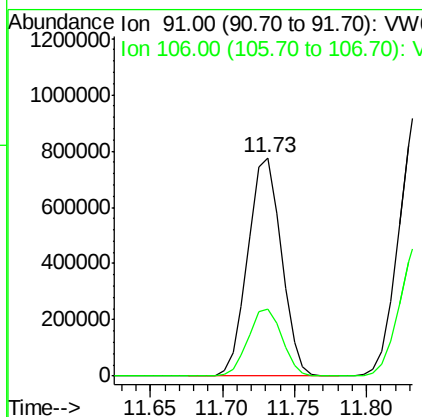
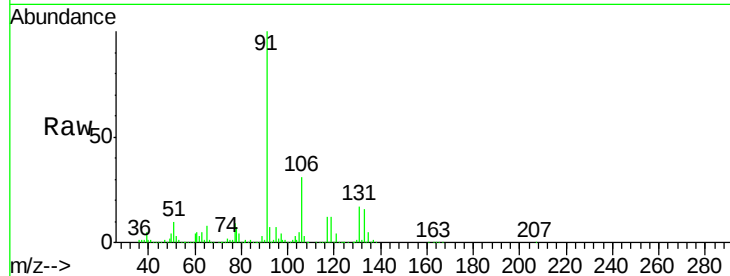




#67
Ethyl Benzene
Concen: 49.288 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

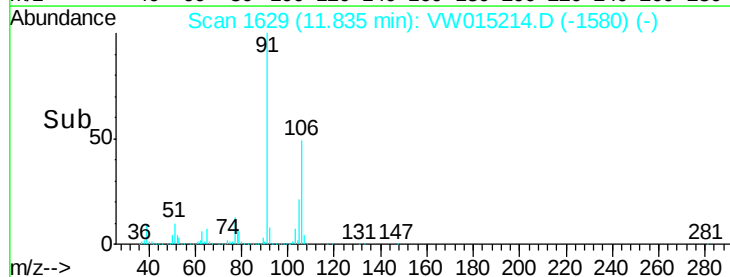
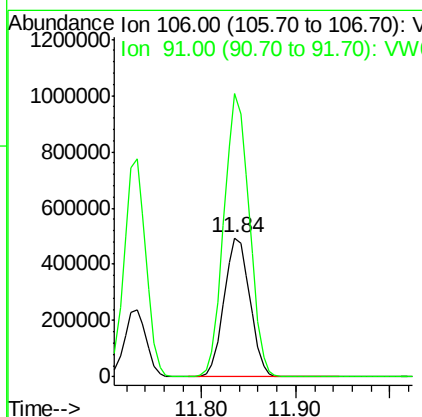
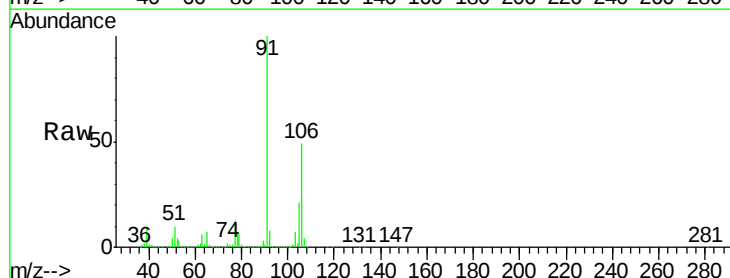
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

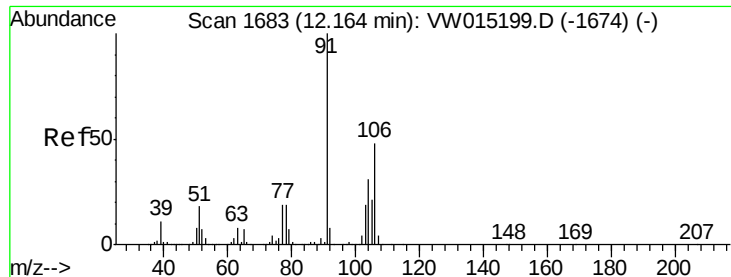
Tot Ion: 91 Resp: 1255273
Ion Ratio Lower Upper
91 100
106 30.8 25.7 38.5



#68
m/p-Xylenes
Concen: 96.729 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion: 106 Resp: 934894
Ion Ratio Lower Upper
106 100
91 200.8 160.0 240.0

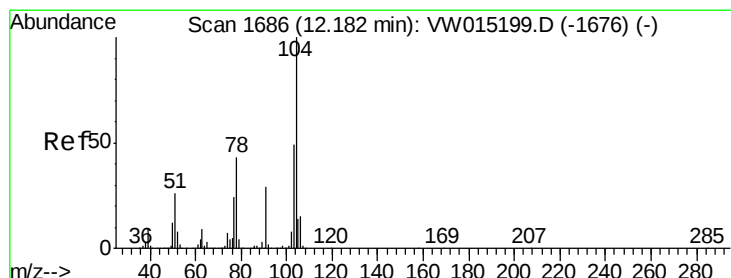
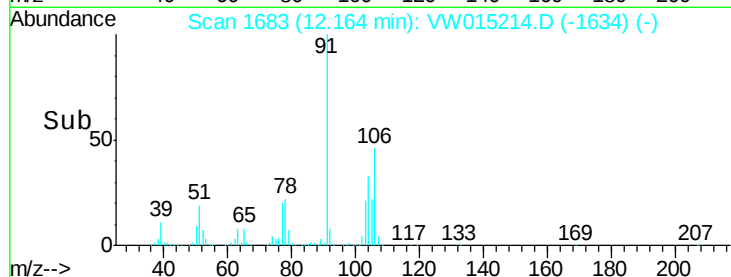
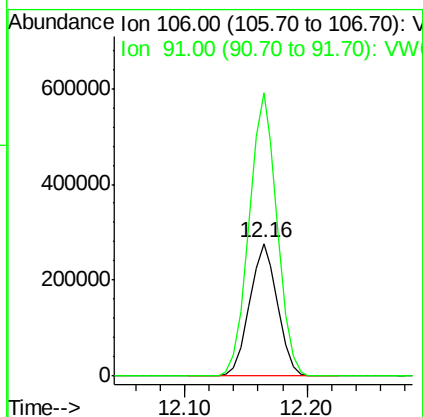
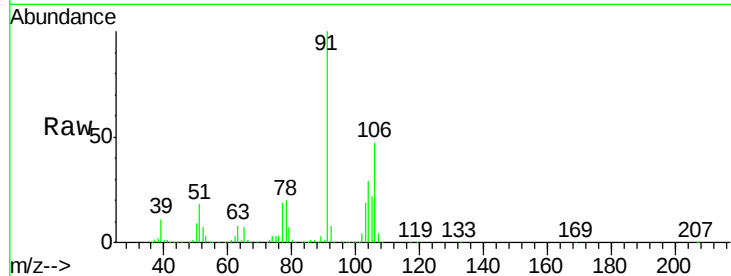




#69
o-Xylene
Concen: 48.518 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

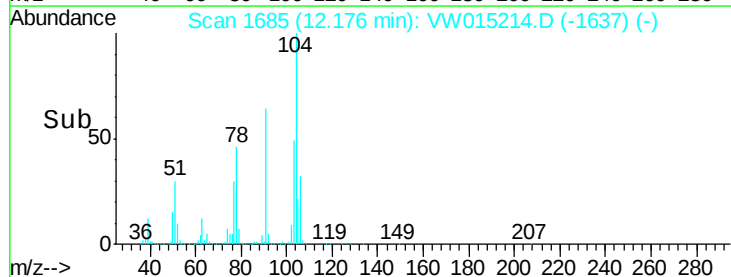
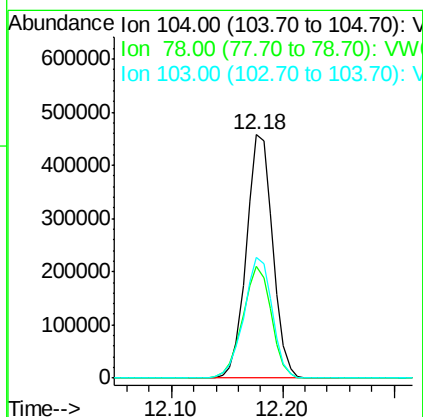
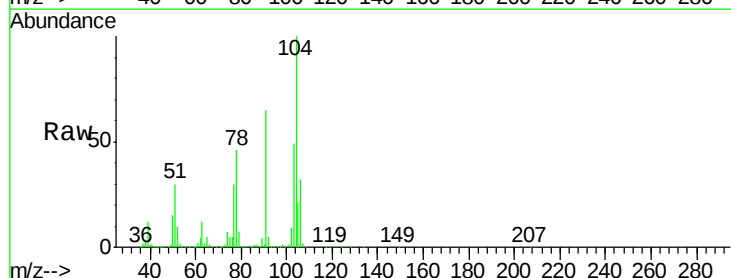
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

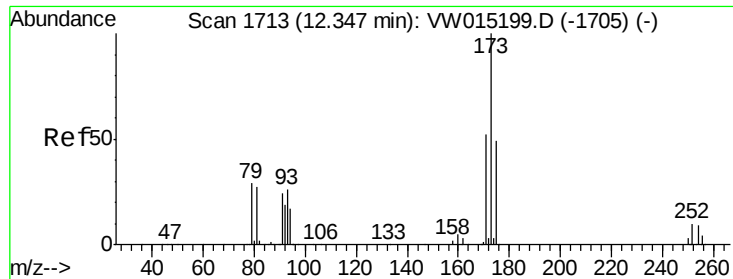
Tot Ion:106 Resp: 439516
Ion Ratio Lower Upper
106 100
91 212.9 105.7 317.1



#70
Styrene
Concen: 49.100 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion:104 Resp: 751417
Ion Ratio Lower Upper
104 100
78 49.6 39.8 59.6
103 53.4 43.8 65.6





#71

Bromoform

Concen: 52.376 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

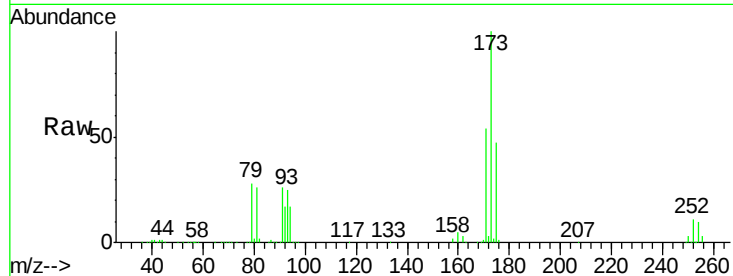
Tot Ion:173 Resp: 121288

Ion Ratio Lower Upper

173 100

175 46.9 25.1 75.4

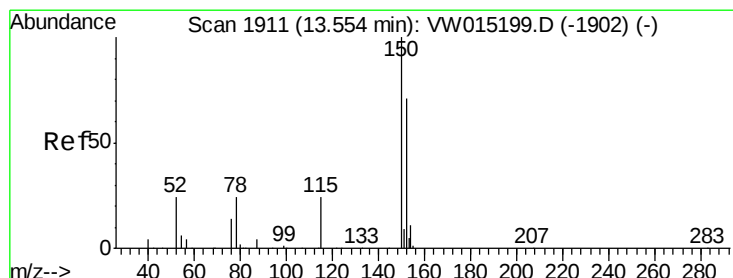
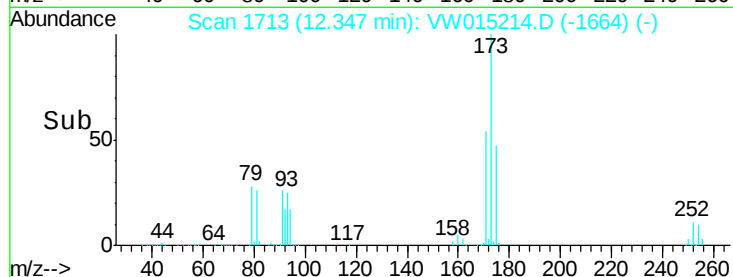
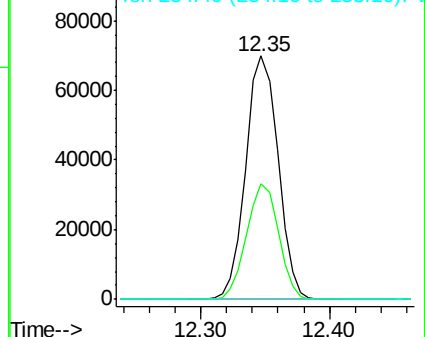
254 0.1 0.1 0.1#



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. 0.01 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

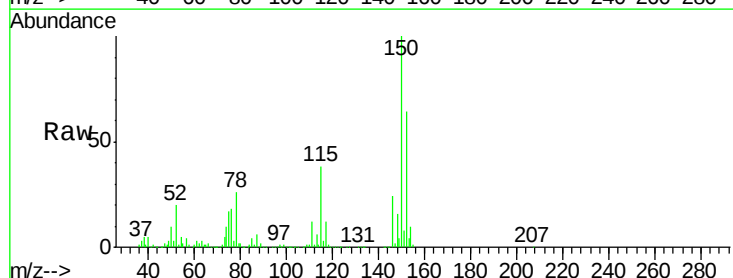
Tgt Ion:152 Resp: 326964

Ion Ratio Lower Upper

152 100

115 60.8 31.3 93.9

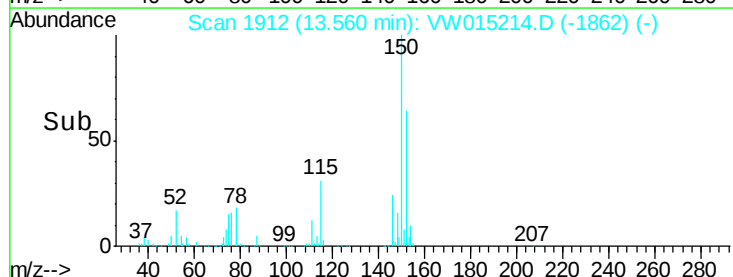
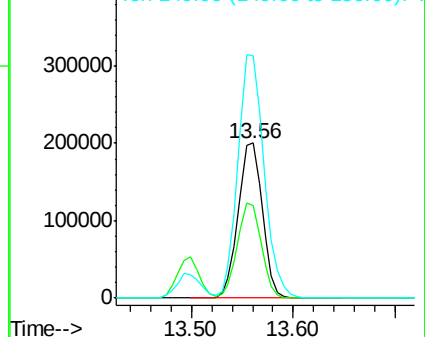
150 170.1 0.0 343.4

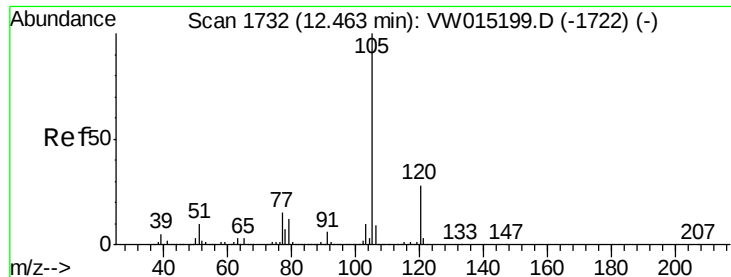


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

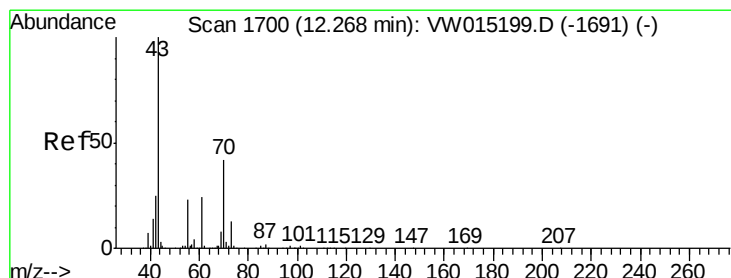
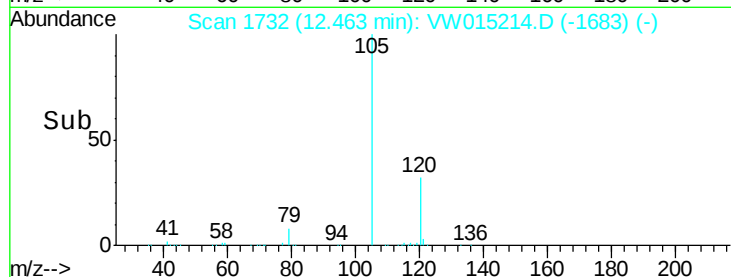
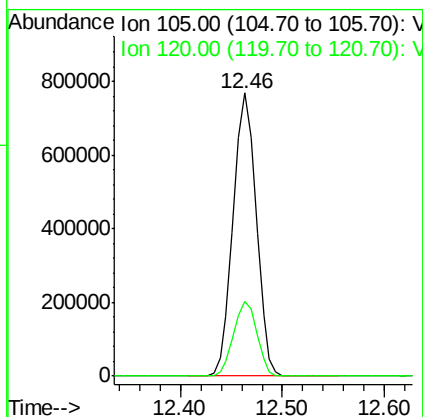
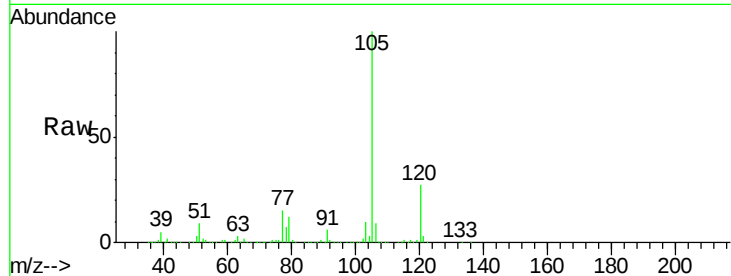




#73
Isopropylbenzene
Concen: 49.359 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

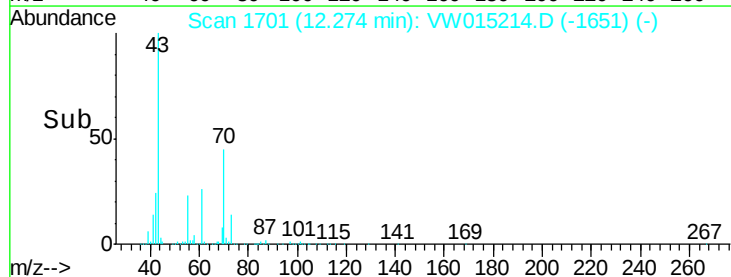
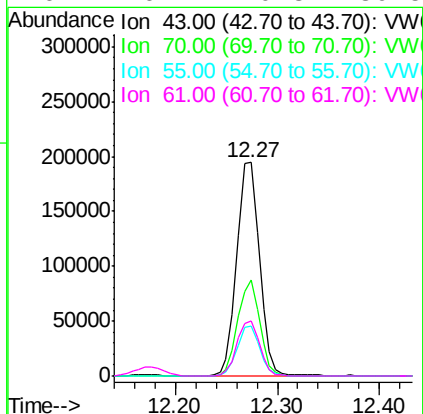
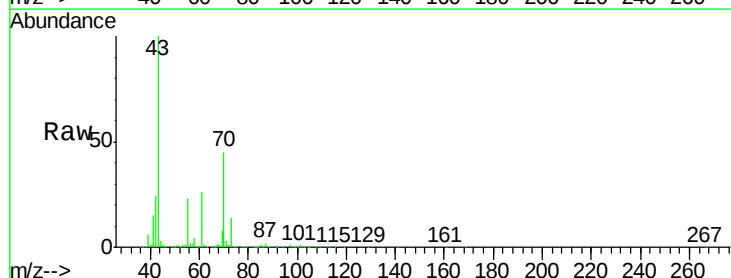
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

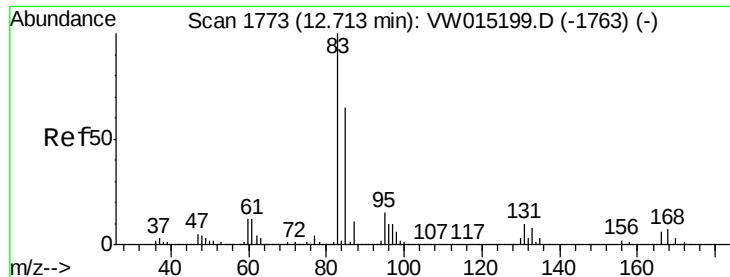
Tot Ion:105 Resp: 1203550
Ion Ratio Lower Upper
105 100
120 26.7 13.7 41.1



#74
N-ethyl acetate
Concen: 52.731 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion: 43 Resp: 298888
Ion Ratio Lower Upper
43 100
70 43.5 35.4 53.2
55 23.3 18.5 27.7
61 26.1 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.831 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

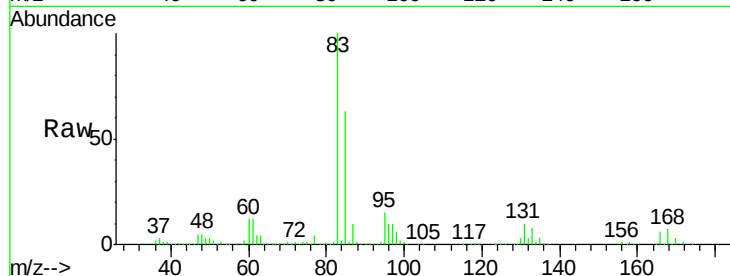
Tot Ion: 83 Resp: 215842

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.2

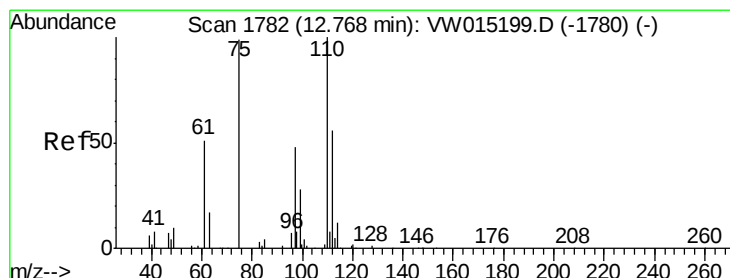
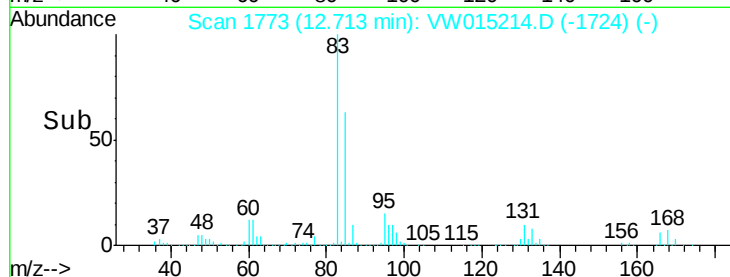
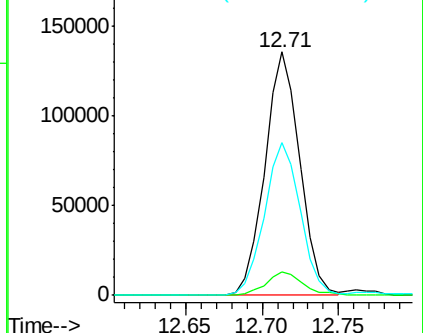
85 64.3 32.3 96.8



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: 48.260 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015214.D

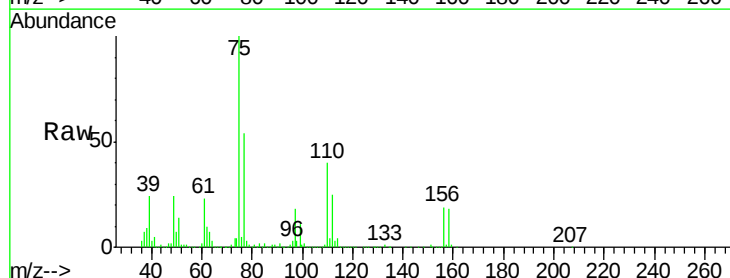
Acq: 15 Apr 2020 20:34

Tgt Ion: 75 Resp: 135077

Ion Ratio Lower Upper

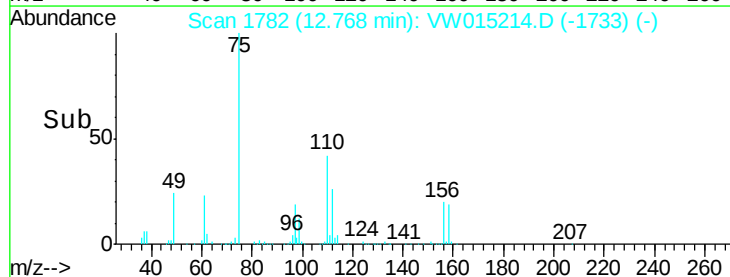
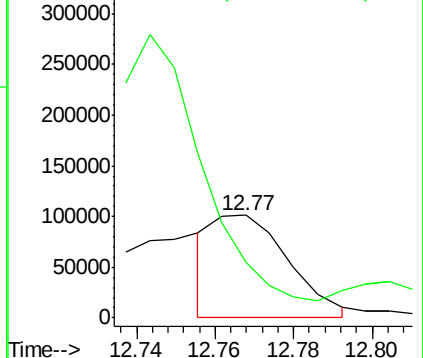
75 100

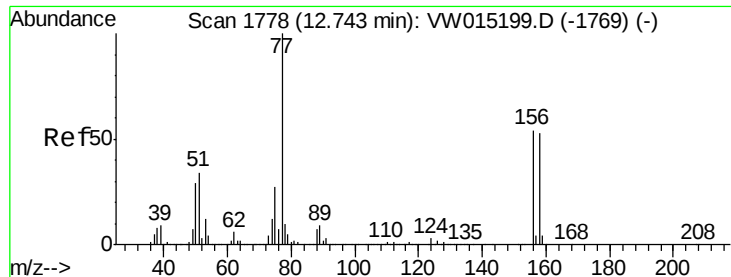
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.556 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

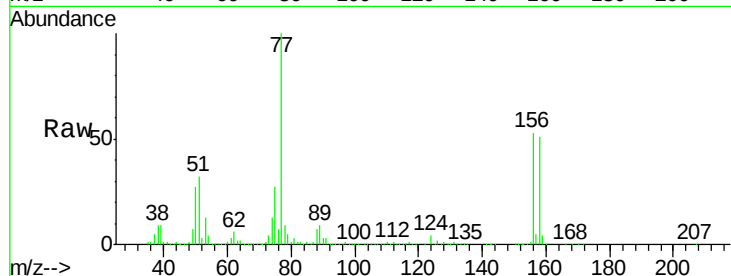
Tot Ion:156 Resp: 250342

Ion Ratio Lower Upper

156 100

77 200.4 100.5 301.5

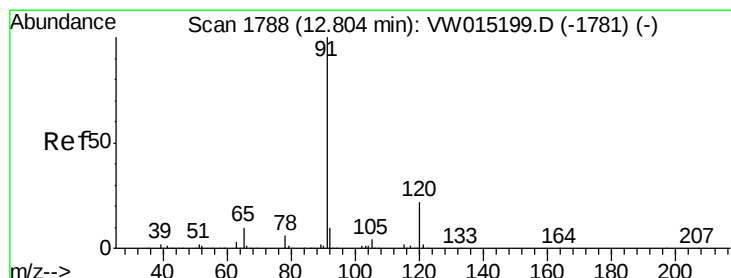
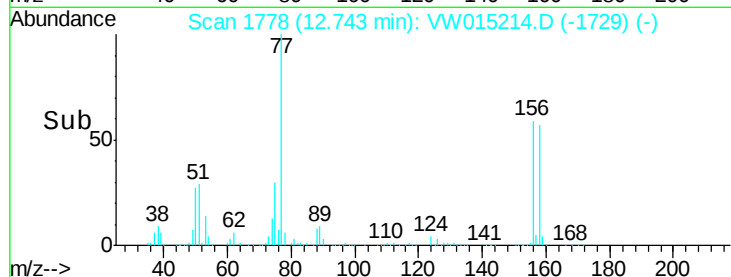
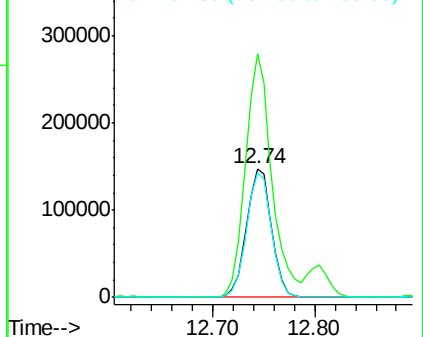
158 97.2 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.368 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015214.D

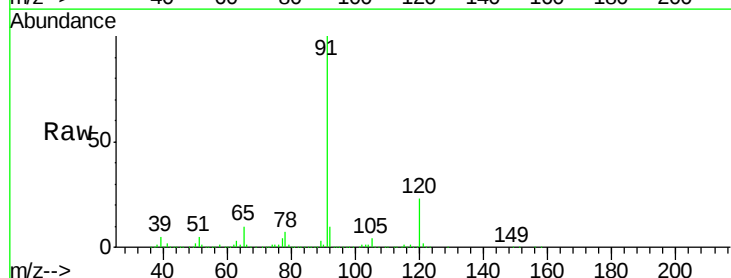
Acq: 15 Apr 2020 20:34

Tgt Ion: 91 Resp: 1422322

Ion Ratio Lower Upper

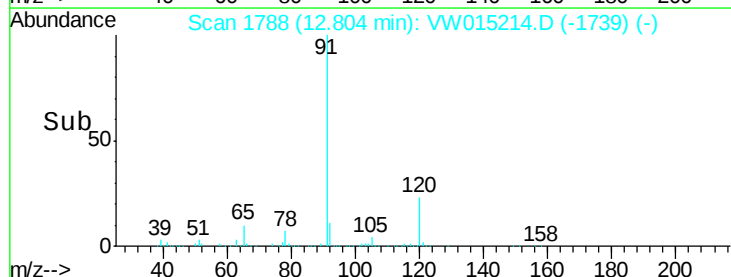
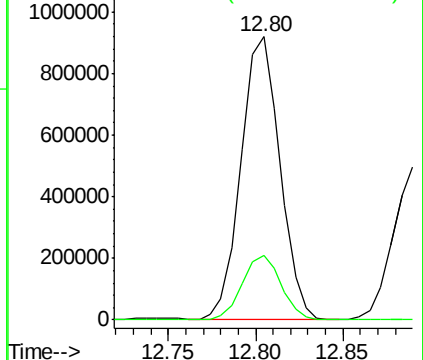
91 100

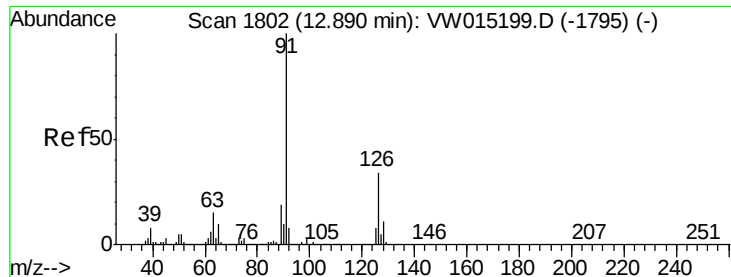
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.666 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

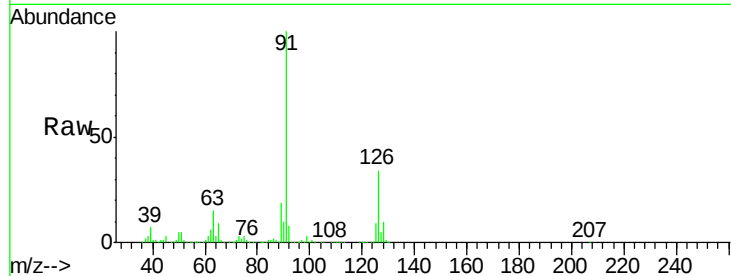
VSTDCCC050EC

Tot Ion: 91 Resp: 791115

Ion Ratio Lower Upper

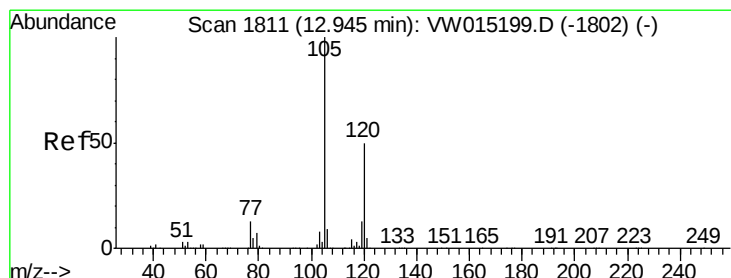
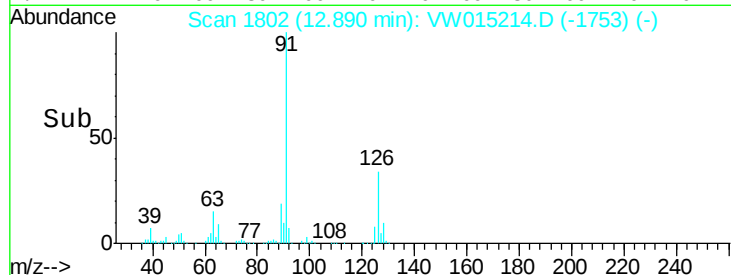
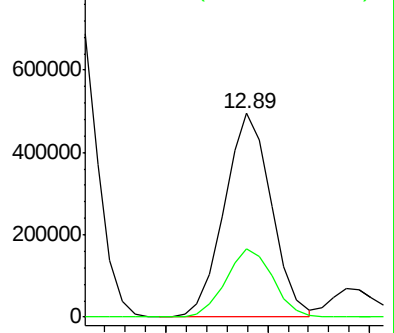
91 100

126 33.9 16.8 50.4



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: 48.724 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015214.D

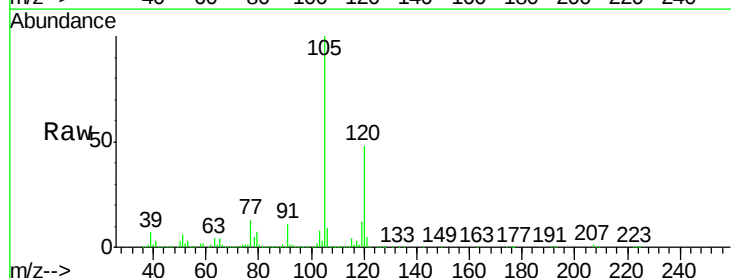
Acq: 15 Apr 2020 20:34

Tgt Ion:105 Resp: 1000387

Ion Ratio Lower Upper

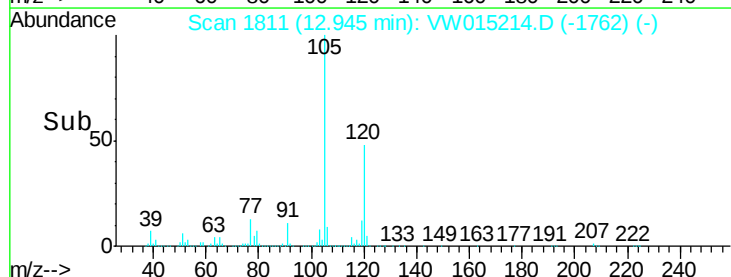
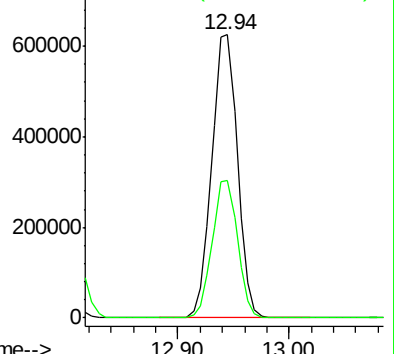
105 100

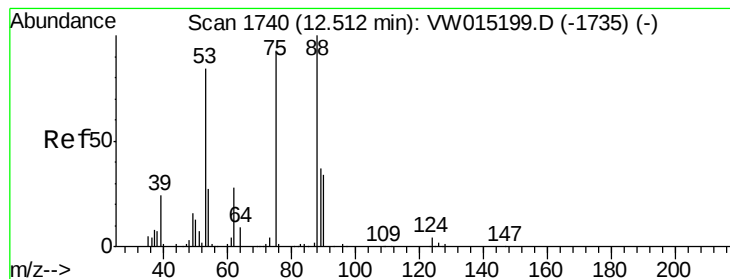
120 48.1 24.9 74.8



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: 52.135 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

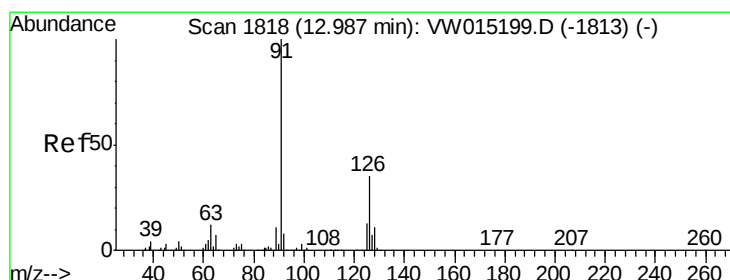
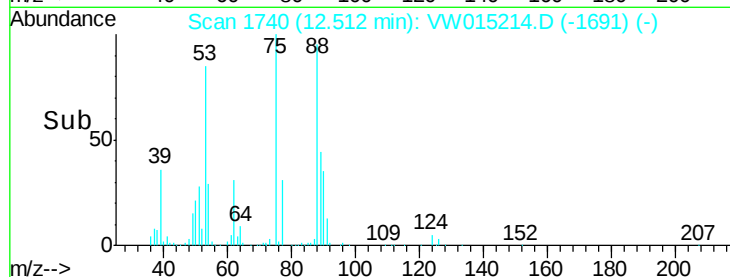
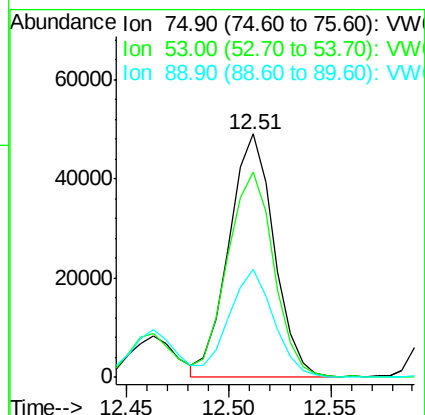
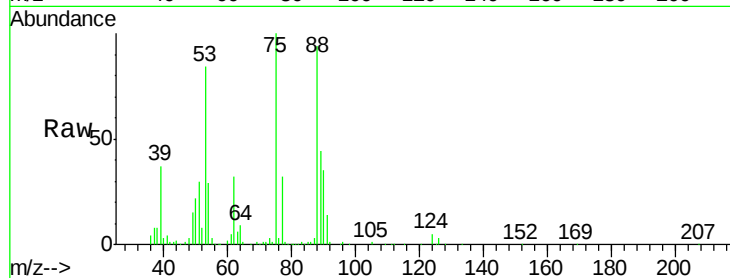
Tot Ion: 75 Resp: 75422

Ion Ratio Lower Upper

75 100

53 86.8 69.4 104.2

89 44.5 34.8 52.2



#82

4-Chlorotoluene

Concen: 48.008 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015214.D

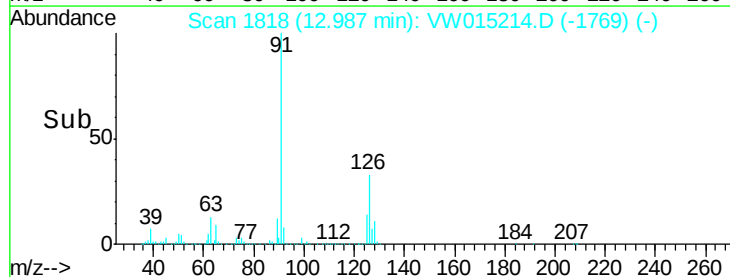
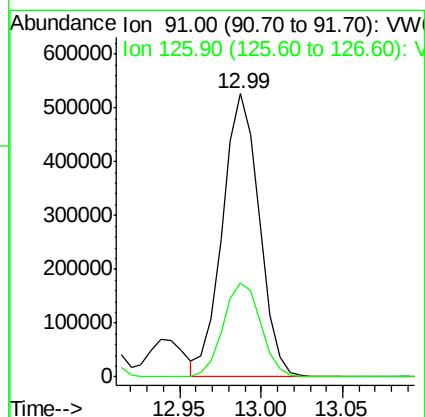
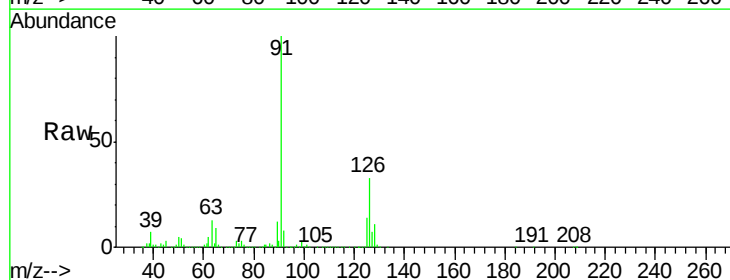
Acq: 15 Apr 2020 20:34

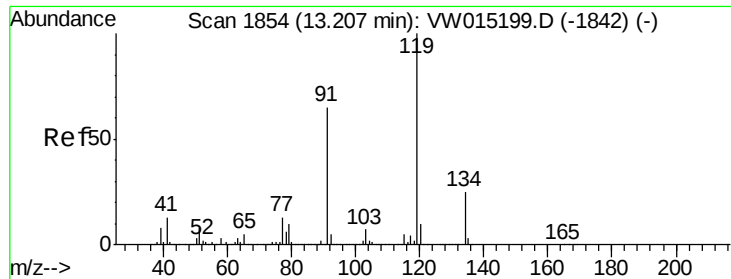
Tgt Ion: 91 Resp: 824520

Ion Ratio Lower Upper

91 100

126 33.8 16.8 50.3

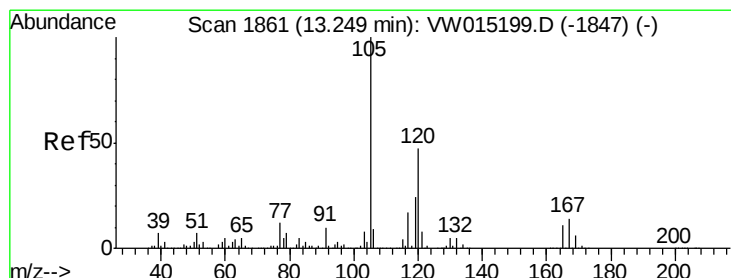
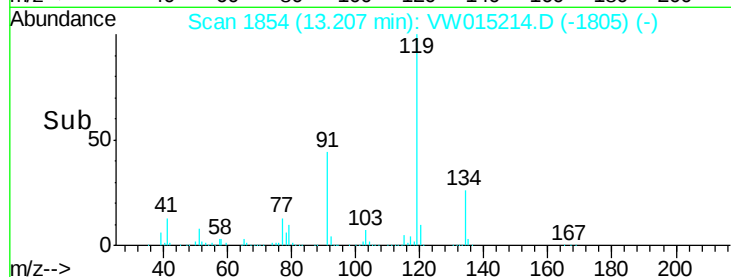
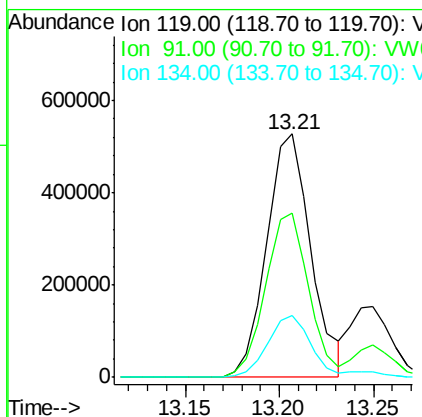
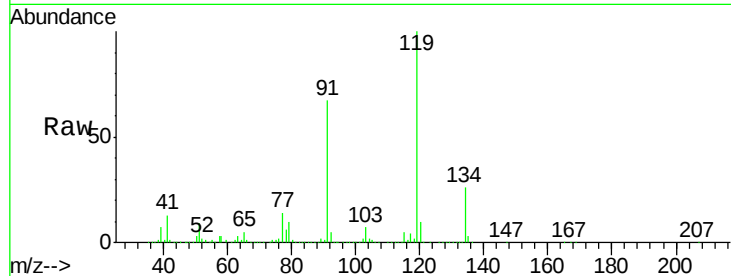




#83
tert-Butylbenzene
Concen: 48.389 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

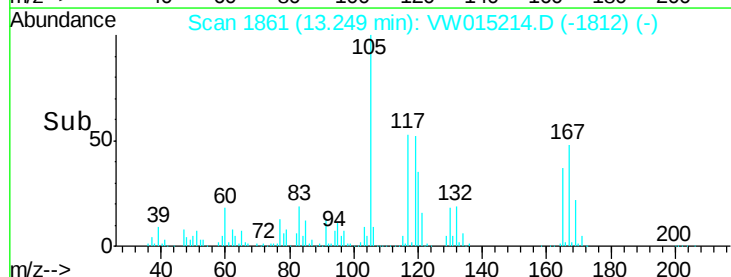
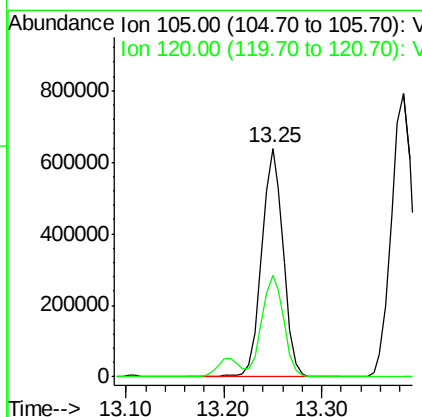
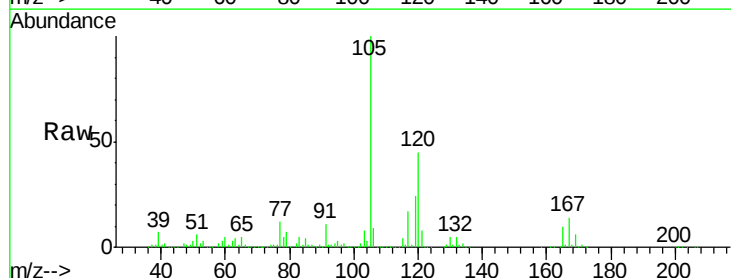
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

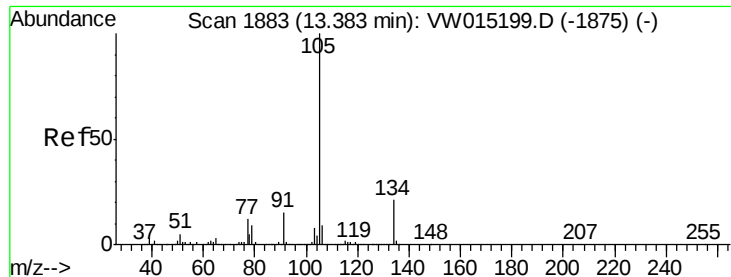
Tot Ion:119 Resp: 861455
Ion Ratio Lower Upper
119 100
91 65.6 32.8 98.3
134 25.1 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 47.916 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion:105 Resp: 977816
Ion Ratio Lower Upper
105 100
120 44.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 47.980 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

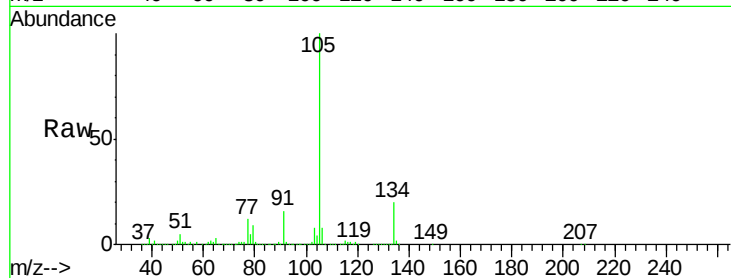
VSTDCCC050EC

Tot Ion:105 Resp: 1213944

Ion Ratio Lower Upper

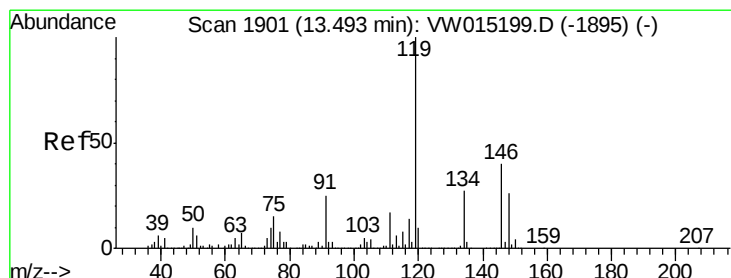
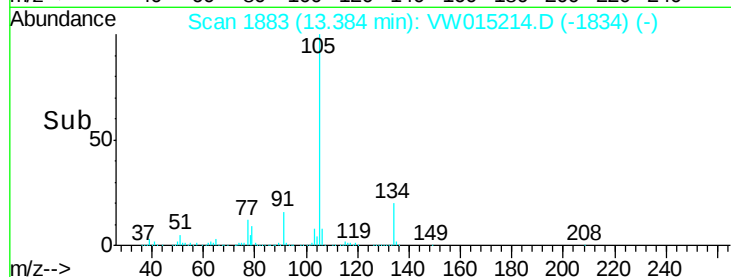
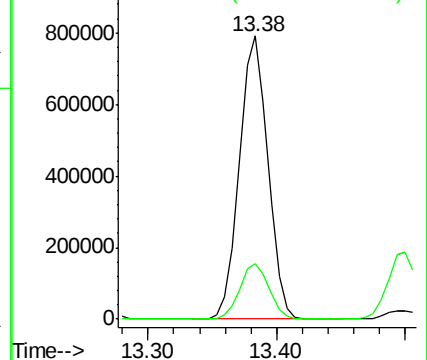
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.993 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

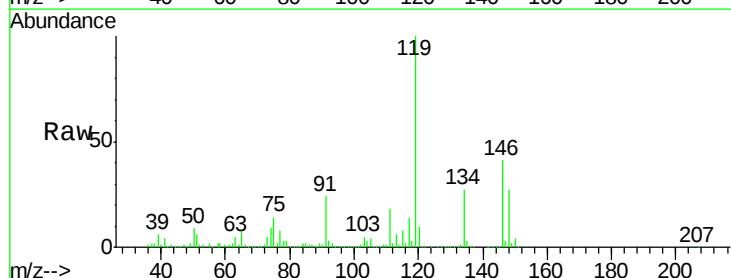
Tgt Ion:119 Resp: 1060913

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

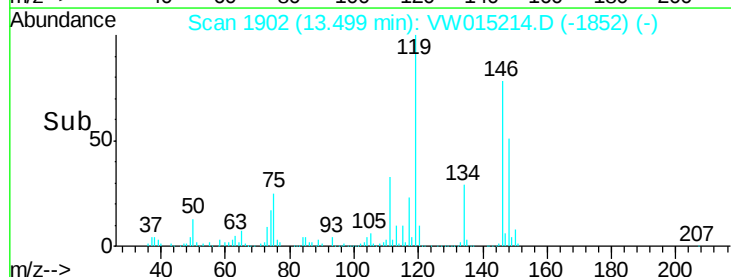
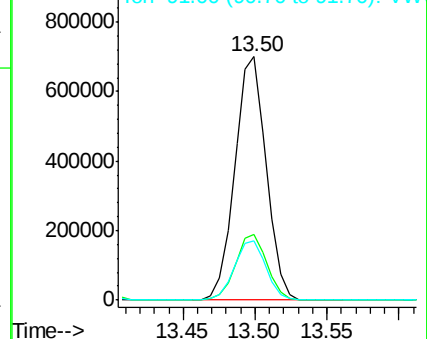
91 24.6 12.0 36.1

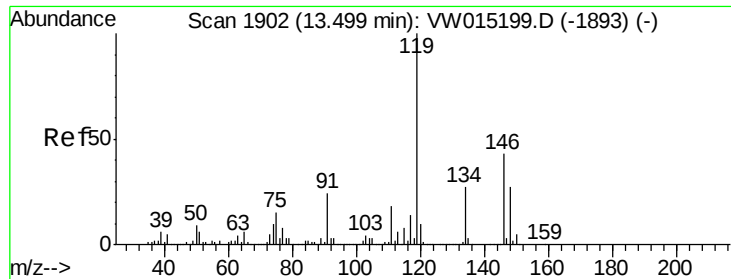


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.298 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

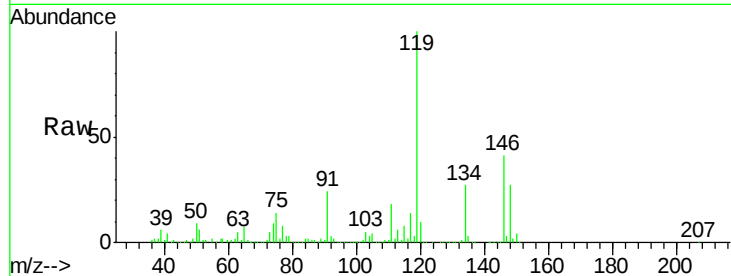
Tot Ion:146 Resp: 486083

Ion Ratio Lower Upper

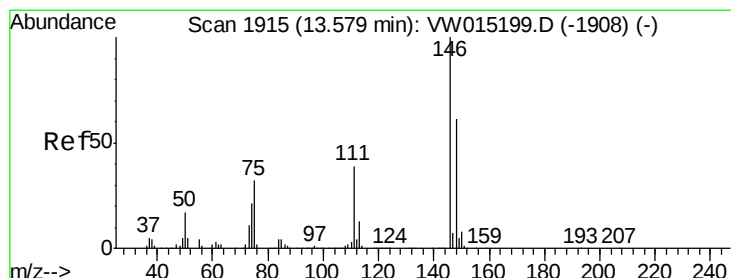
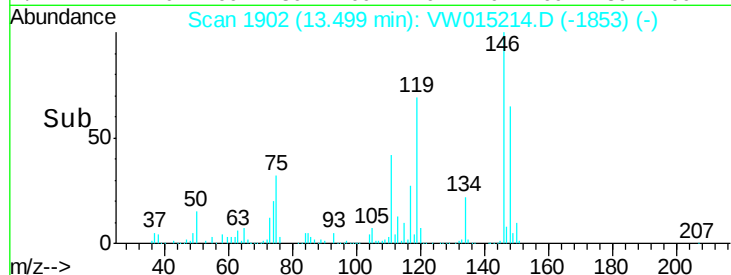
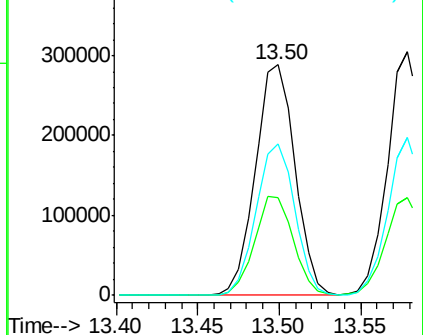
146 100

111 41.9 21.1 63.4

148 64.3 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 47.851 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

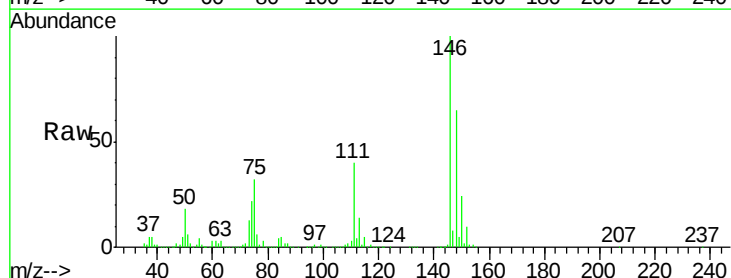
Tgt Ion:146 Resp: 477777

Ion Ratio Lower Upper

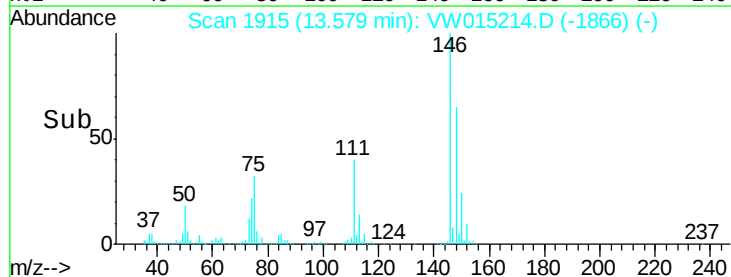
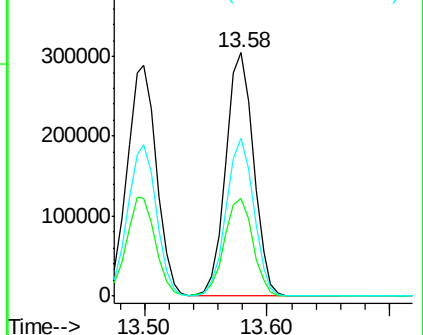
146 100

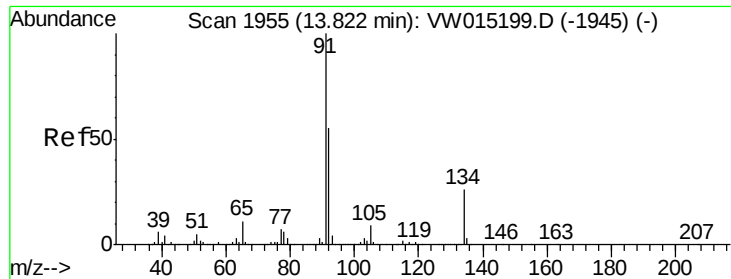
111 41.3 20.4 61.3

148 64.3 31.5 94.5



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





#89

n-Butylbenzene

Concen: 46.632 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015214.D

Acq: 15 Apr 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

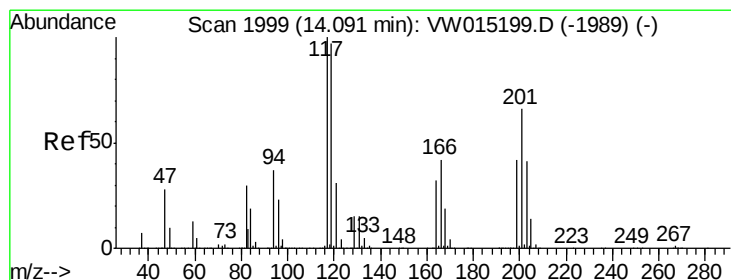
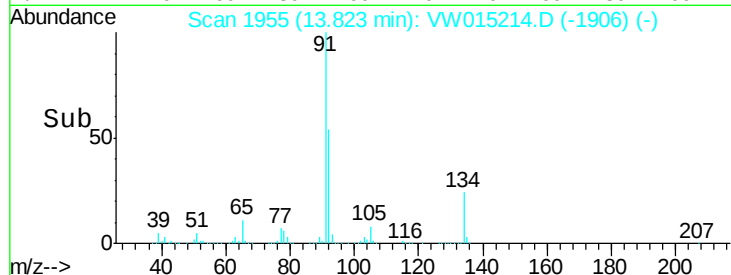
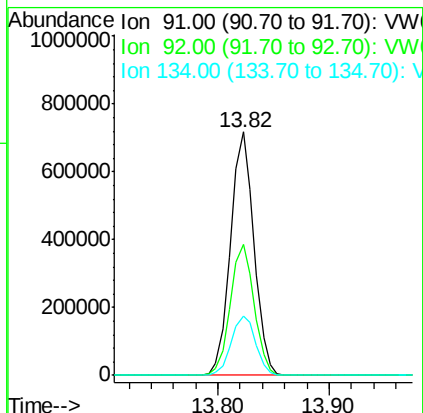
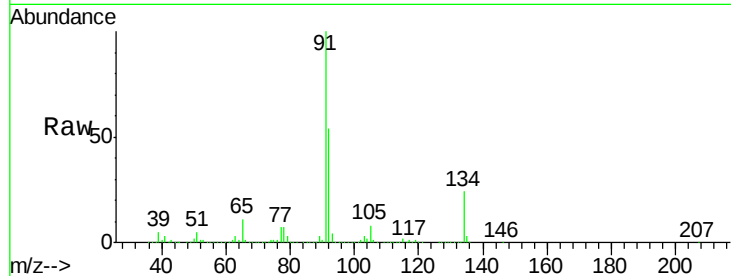
Tot Ion: 91 Resp: 1040774

Ion Ratio Lower Upper

91 100

92 54.5 27.6 82.7

134 25.5 12.8 38.3



#90

Hexachloroethane

Concen: 47.602 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015214.D

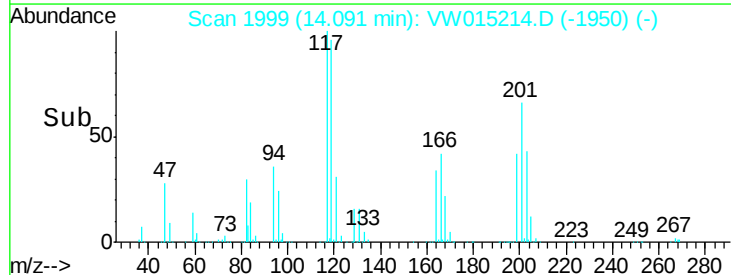
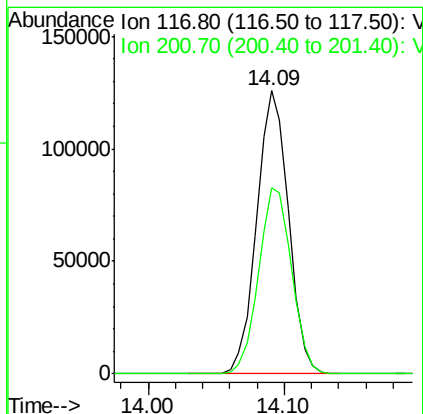
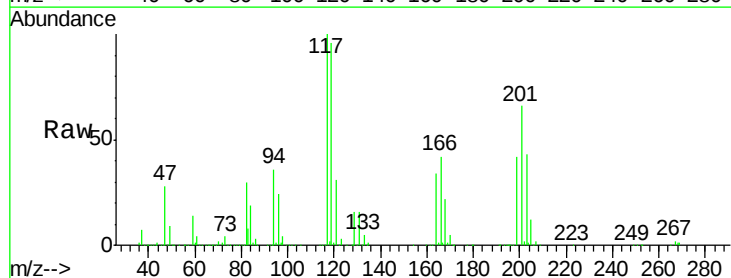
Acq: 15 Apr 2020 20:34

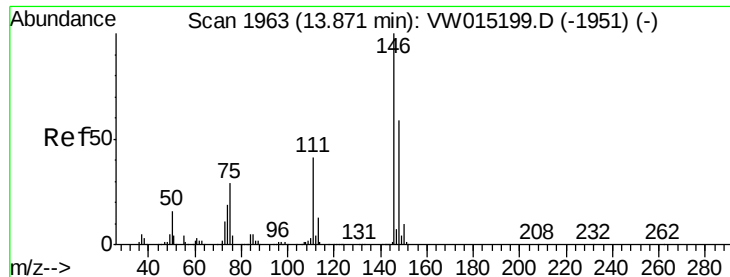
Tgt Ion: 117 Resp: 206619

Ion Ratio Lower Upper

117 100

201 68.5 33.6 100.6

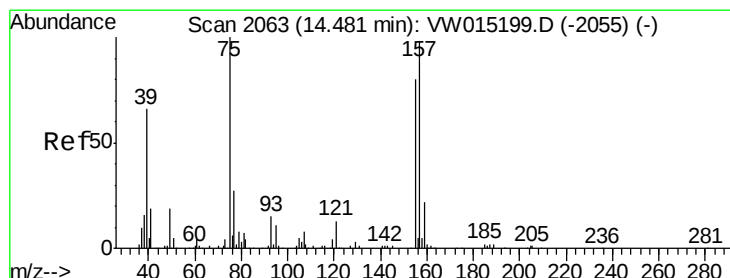
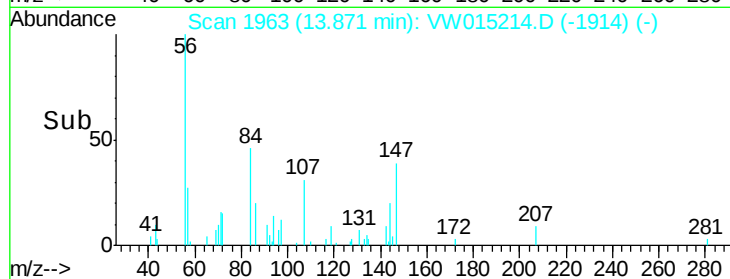
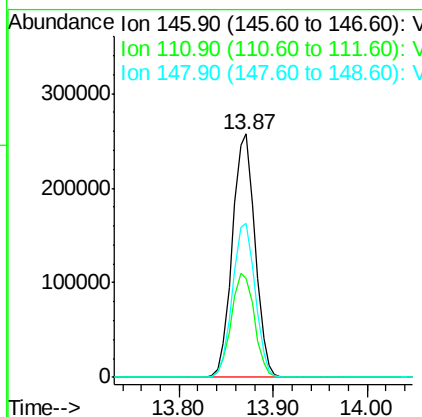
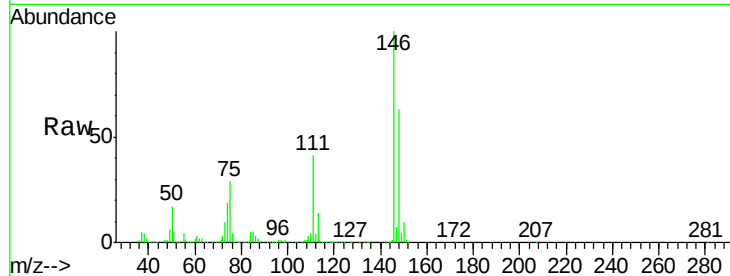




#91
 1,2-Dichlorobenzene
 Concen: 48.003 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

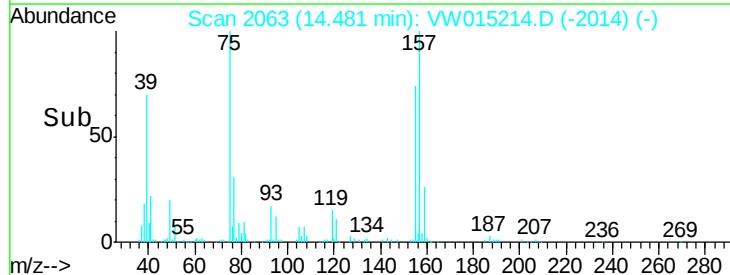
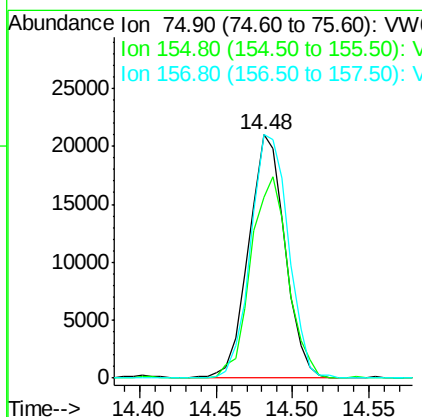
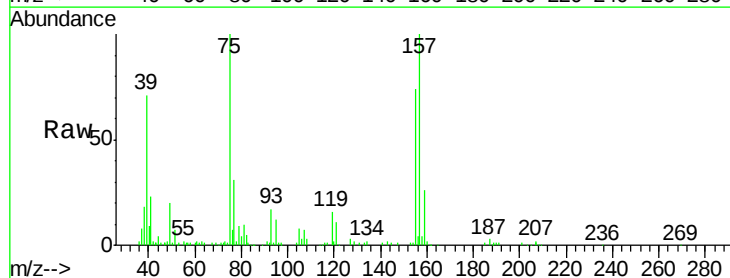
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

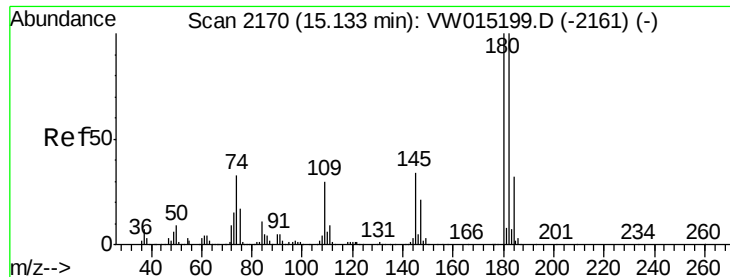
Tot Ion:146 Resp: 429535
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.6 65.0
 148 63.5 31.0 93.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.283 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

Tgt Ion: 75 Resp: 34585
 Ion Ratio Lower Upper
 75 100
 155 85.3 41.6 124.9
 157 104.4 53.8 161.2

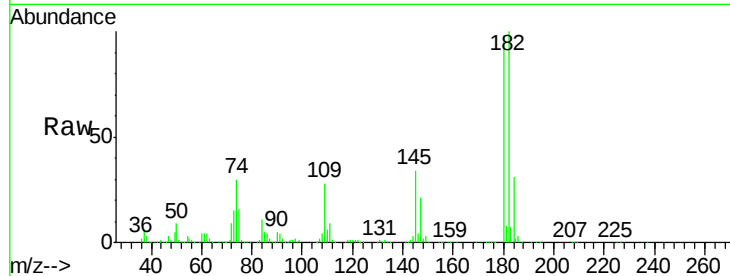




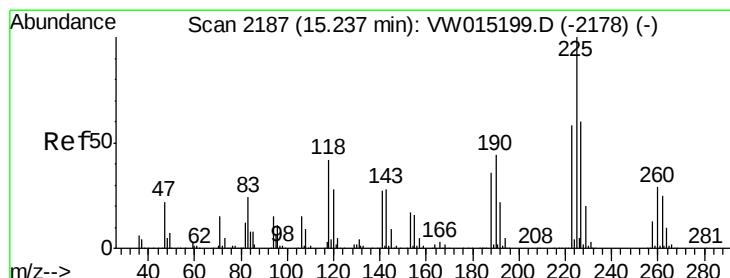
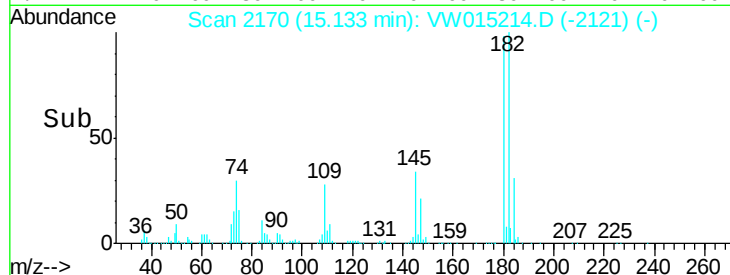
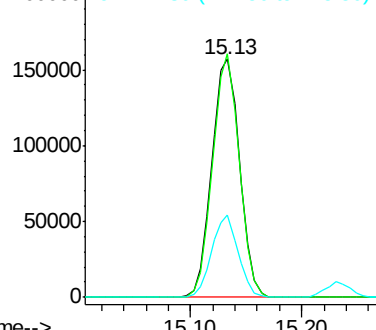
#93
 1,2,4-Trichlorobenzene
 Concen: 46.061 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.1	141.4
145	32.6	16.2	48.6

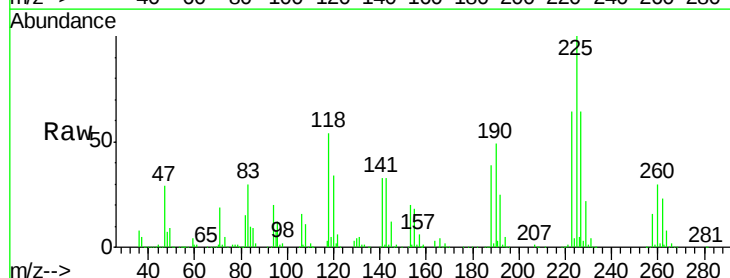


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

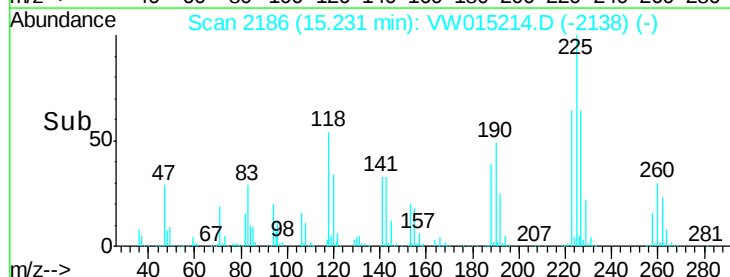
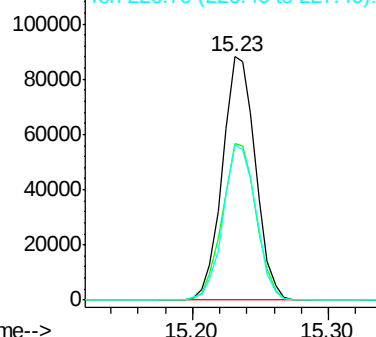


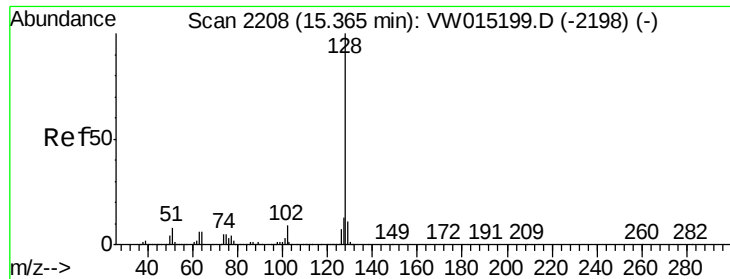
#94
 Hexachlorobutadiene
 Concen: 44.183 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015214.D
 Acq: 15 Apr 2020 20:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.0	93.0
227	63.4	30.8	92.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

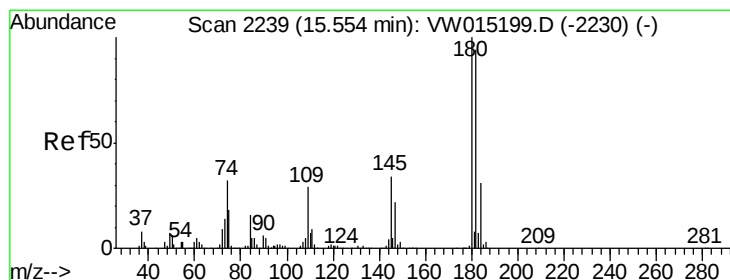
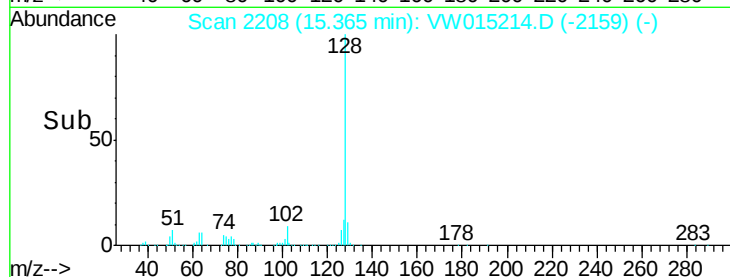
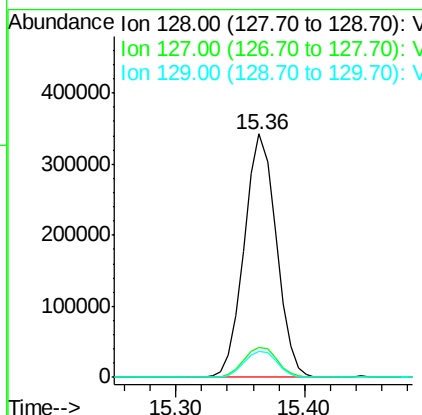
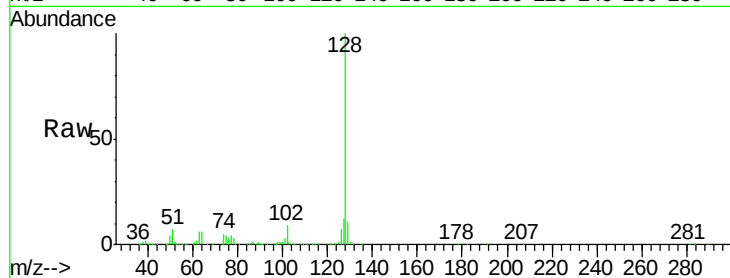




#95
Naphthalene
Concen: 51.915 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 47.954 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015214.D
Acq: 15 Apr 2020 20:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.8	146.3
145	34.9	17.2	51.6

