

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070920\
 Data File : VW015822.D
 Acq On : 09 Jul 2020 11:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 10 05:39:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155784	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	103247	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	7.88	113	93141	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	10.32	98	365705	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.62	95	136652	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	51768	46.616	ug/l	100
3) Chloromethane	2.21	50	65499	43.429	ug/l	94
4) Vinyl Chloride	2.37	62	111429	47.852	ug/l	98
5) Bromomethane	2.78	94	82170	46.116	ug/l	100
6) Chloroethane	2.93	64	76421	48.628	ug/l	99
7) Trichlorofluoromethane	3.26	101	85097	50.848	ug/l	97
8) Diethyl Ether	3.68	74	48164	46.189	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	97770	49.907	ug/l	98
10) Methyl Iodide	4.27	142	134930	49.261	ug/l	99
11) Tert butyl alcohol	5.20	59	26595	234.372	ug/l	97
12) 1,1-Dichloroethene	4.03	96	95343	49.500	ug/l	99
13) Acrolein	3.89	56	32080	212.970	ug/l	100
14) Allyl chloride	4.67	41	156816	50.091	ug/l	100
15) Acrylonitrile	5.37	53	97909	240.152	ug/l	98
16) Acetone	4.13	43	101041	248.693	ug/l	99
17) Carbon Disulfide	4.38	76	277601	48.449	ug/l	100
18) Methyl Acetate	4.67	43	42970	46.474	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	144562	50.147	ug/l	98
20) Methylene Chloride	4.92	84	109394	52.658	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	109563	49.110	ug/l	95
22) Diisopropyl ether	6.31	45	321557	50.970	ug/l	97
23) Vinyl Acetate	6.26	43	947988	252.637	ug/l	100
24) 1,1-Dichloroethane	6.21	63	197686	49.493	ug/l	100
25) 2-Butanone	7.17	43	135257	245.256	ug/l	100
26) 2,2-Dichloropropane	7.17	77	122015	48.692	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	119657	49.950	ug/l	99
28) Bromochloromethane	7.51	49	72562	45.825	ug/l	99
29) Tetrahydrofuran	7.54	42	82349	246.066	ug/l	99
30) Chloroform	7.68	83	203329	49.798	ug/l	97
31) Cyclohexane	7.96	56	180969	48.140	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	170030	49.662	ug/l	99
36) 1,1-Dichloropropene	8.09	75	166284	50.532	ug/l	99
37) Ethyl Acetate	7.26	43	60704	47.476	ug/l	99
38) Carbon Tetrachloride	8.07	117	159721	50.161	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	201450	51.880	ug/l	99
40) Benzene	8.32	78	454271	50.396	ug/l	99
41) Methacrylonitrile	7.48	41	36111	49.747	ug/l	98
42) 1,2-Dichloroethane	8.40	62	139134	49.594	ug/l	100
43) Isopropyl Acetate	8.43	43	122014	48.888	ug/l	100
44) Trichloroethene	9.09	130	118569	49.731	ug/l	93
45) 1,2-Dichloropropane	9.37	63	111440	50.297	ug/l	99
46) Dibromomethane	9.46	93	55900	49.006	ug/l	99
47) Bromodichloromethane	9.65	83	150643	51.058	ug/l	98
48) Methyl methacrylate	9.44	41	57534	50.300	ug/l	99
49) 1,4-Dioxane	9.46	88	13895	985.285	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	297236	244.059	ug/l	100
52) Toluene	10.39	92	292852	50.486	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	143702	50.762	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	174240	51.454	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	79344	50.163	ug/l	97
56) Ethyl methacrylate	10.65	69	98893	50.855	ug/l	98
57) 1,3-Dichloropropane	10.93	76	138220	49.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	238866	251.395	ug/l	100
59) 2-Hexanone	10.97	43	205651	253.028	ug/l	98
60) Dibromochloromethane	11.13	129	92581	50.681	ug/l	100
61) 1,2-Dibromoethane	11.24	107	74627	49.309	ug/l	98
64) Tetrachloroethene	10.87	164	97065	49.729	ug/l	98
65) Chlorobenzene	11.66	112	302781	50.198	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	108963	51.048	ug/l	99
67) Ethyl Benzene	11.73	91	584702	52.346	ug/l	97
68) m/p-Xylenes	11.84	106	443194	105.623	ug/l	99
69) o-Xylene	12.17	106	200302	52.297	ug/l	99
70) Styrene	12.18	104	347546	52.736	ug/l	100
71) Bromoform	12.35	173	49382	50.686	ug/l #	99
73) Isopropylbenzene	12.46	105	568435	51.794	ug/l	99
74) N-amyl acetate	12.27	43	115959	49.386	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	89110	48.866	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	115254	84.180	ug/l #	1
77) Bromobenzene	12.75	156	121331	49.304	ug/l	99
78) n-propylbenzene	12.80	91	682030	51.199	ug/l	100
79) 2-Chlorotoluene	12.90	91	384072	50.558	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	485921	51.948	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	26110	43.746	ug/l	95
82) 4-Chlorotoluene	12.99	91	405138	51.070	ug/l	100
83) tert-Butylbenzene	13.21	119	400124	51.526	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	478426	51.216	ug/l	99
85) sec-Butylbenzene	13.38	105	586868	52.329	ug/l	99
86) p-Isopropyltoluene	13.50	119	531065	51.857	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	248449	50.365	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	238893	49.469	ug/l	99
89) n-Butylbenzene	13.82	91	510492	52.089	ug/l	100
90) Hexachloroethane	14.09	117	93002	50.103	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	213384	49.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13613	46.721	ug/l	99

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QLast Update : Wed Jul 08 08:28:05 2020
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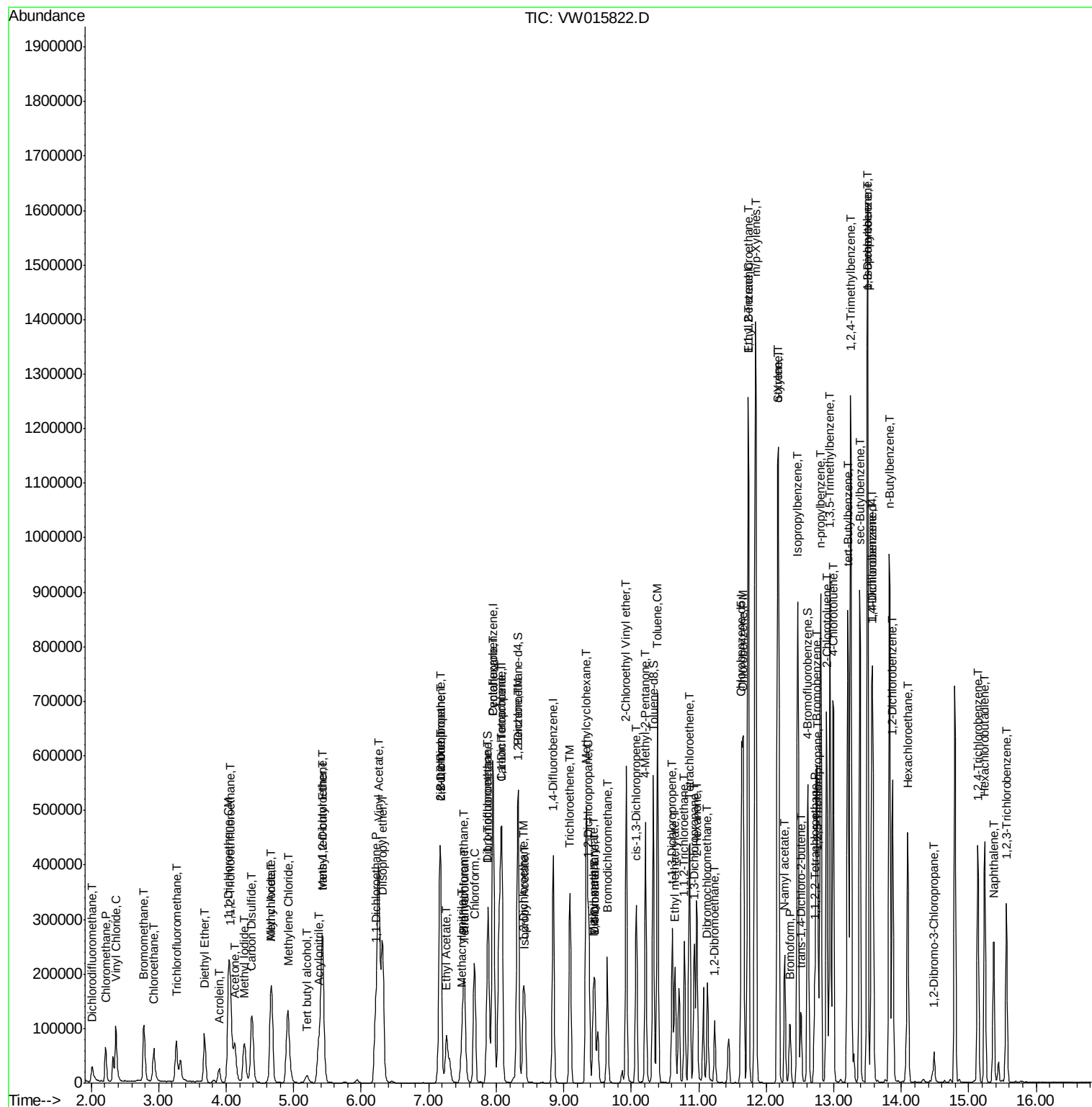
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	129136	47.928	ug/l	97
94) Hexachlorobutadiene	15.24	225	81548	47.670	ug/l	96
95) Naphthalene	15.37	128	220414	44.145	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	112549	49.090	ug/l	98

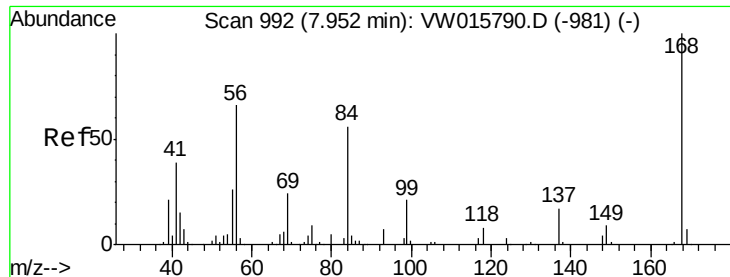
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

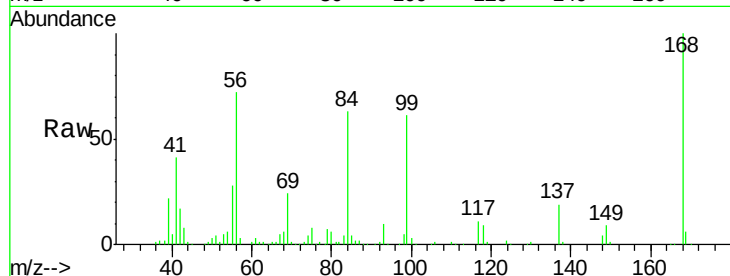
VSTDCCC050

Tot Ion:168 Resp: 210866

Ion Ratio Lower Upper

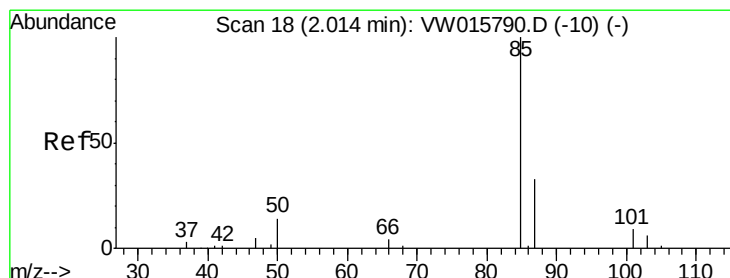
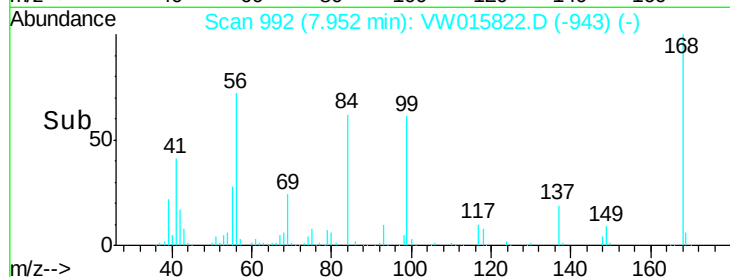
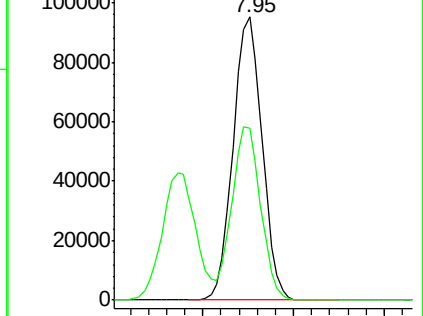
168 100

99 60.9 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.616 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015822.D

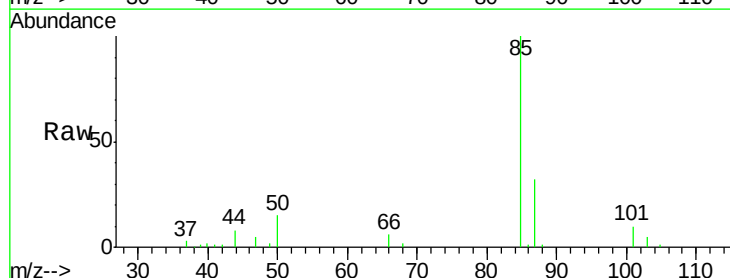
Acq: 09 Jul 2020 11:34

Tgt Ion: 85 Resp: 51768

Ion Ratio Lower Upper

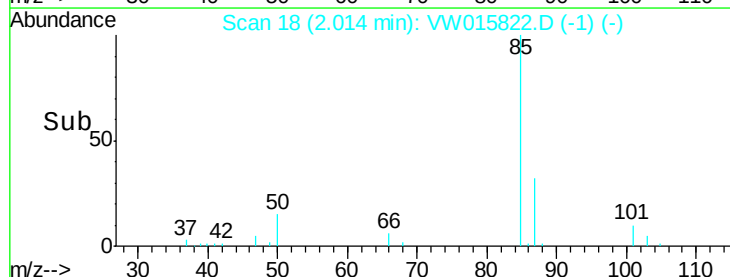
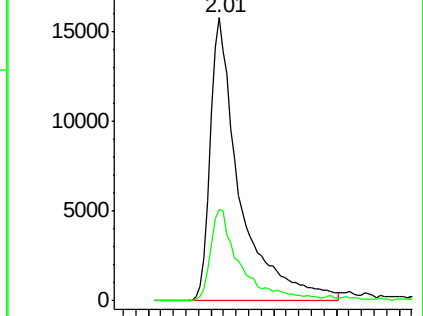
85 100

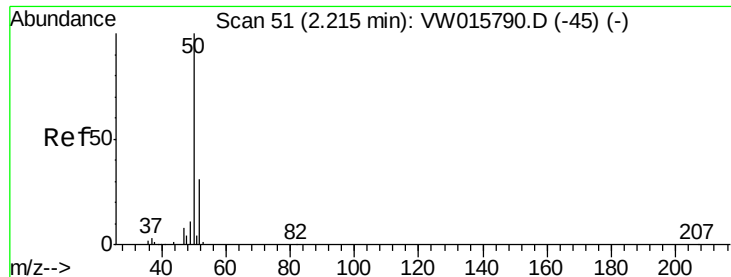
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 43.429 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

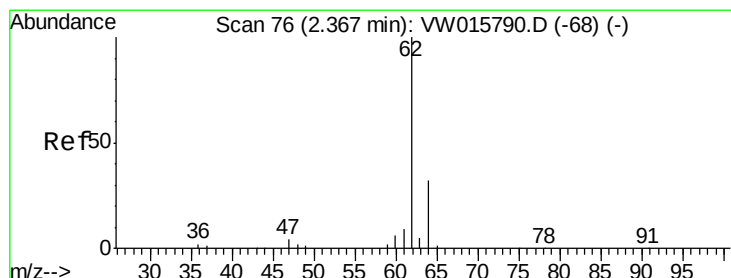
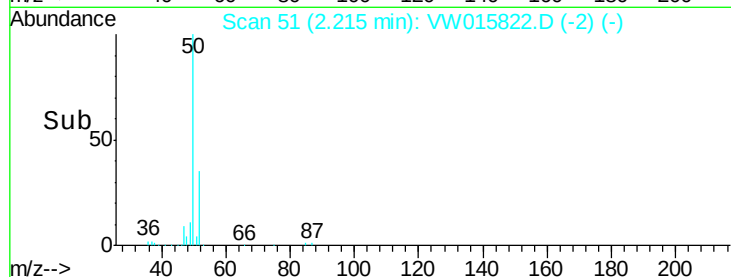
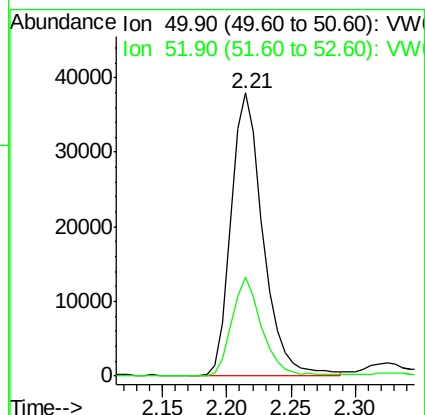
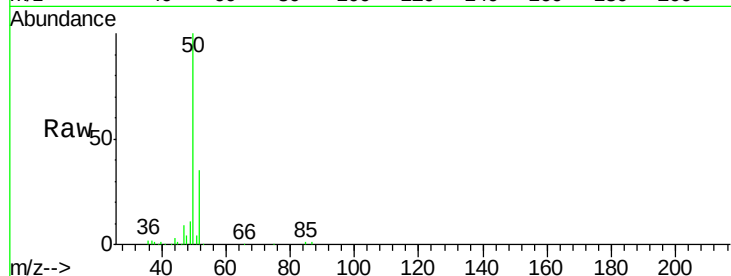
VSTDCCC050

Tot Ion: 50 Resp: 65499

Ion Ratio Lower Upper

50 100

52 35.0 25.2 37.8



#4

Vinyl Chloride

Concen: 47.852 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015822.D

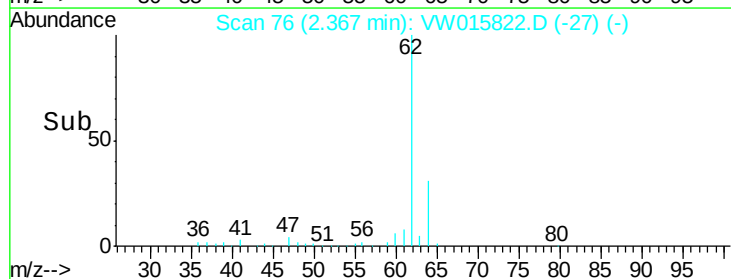
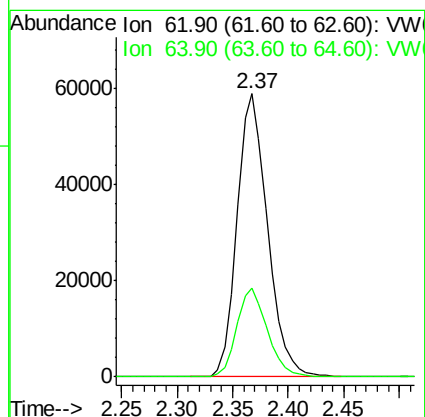
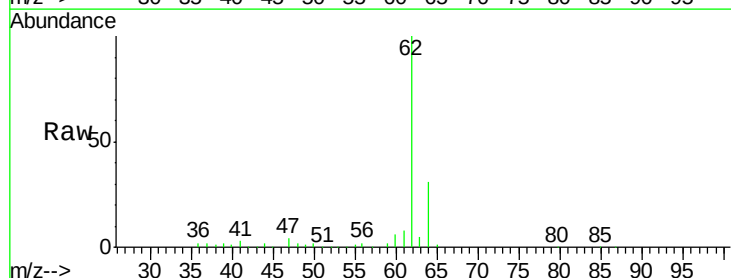
Acq: 09 Jul 2020 11:34

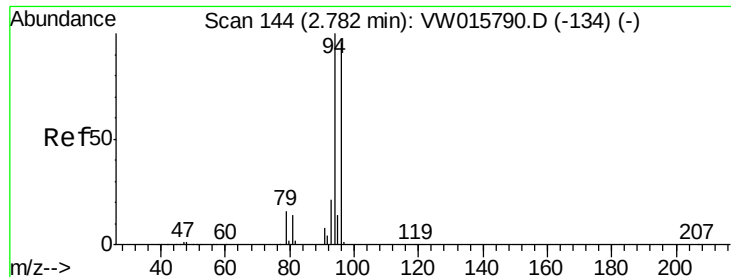
Tgt Ion: 62 Resp: 111429

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 46.116 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

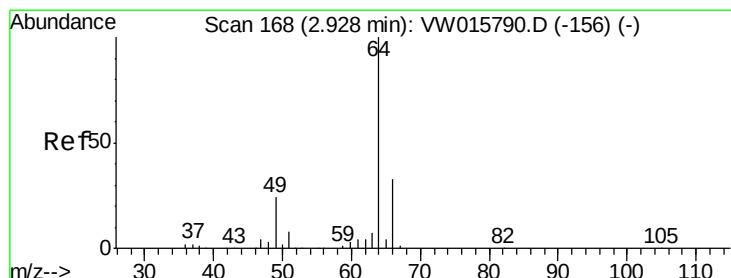
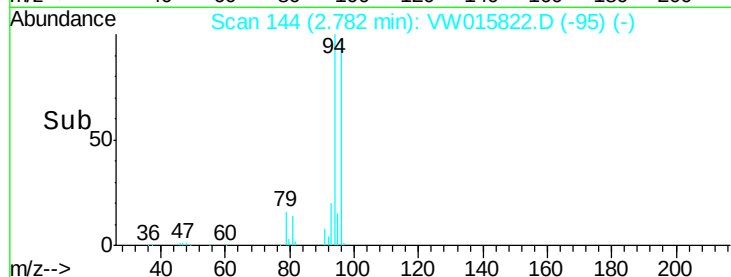
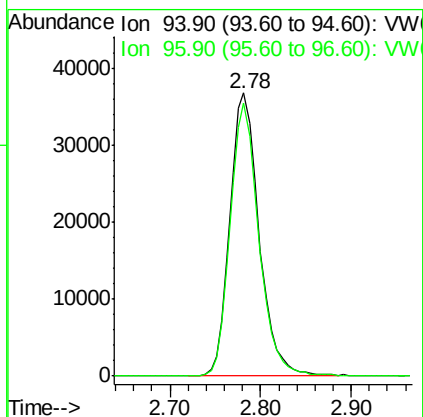
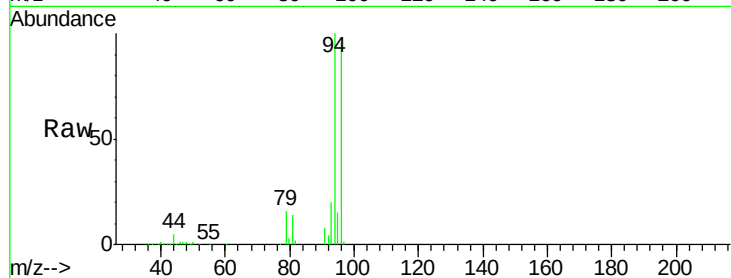
VSTDCCC050

Tot Ion: 94 Resp: 82170

Ion Ratio Lower Upper

94 100

96 96.4 76.7 115.1



#6

Chloroethane

Concen: 48.628 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015822.D

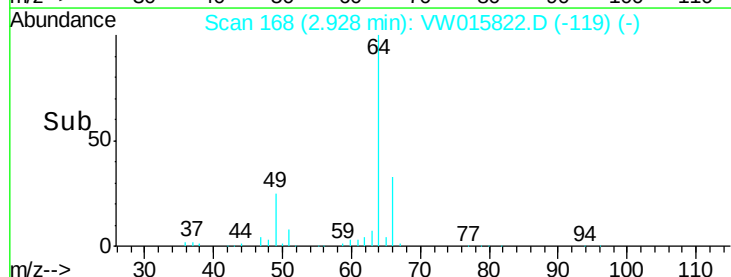
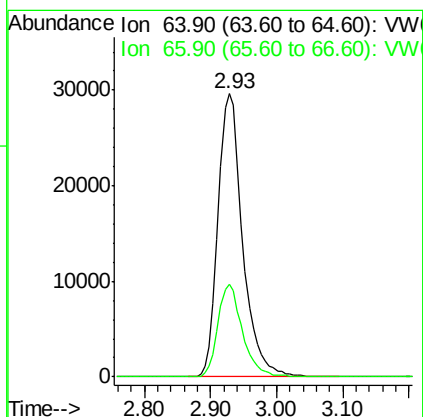
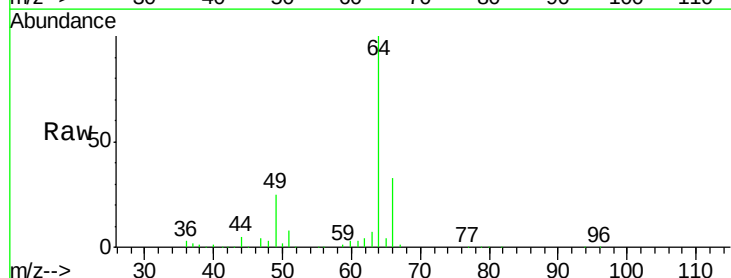
Acq: 09 Jul 2020 11:34

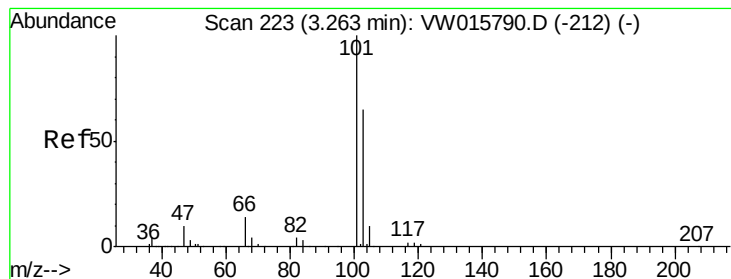
Tgt Ion: 64 Resp: 76421

Ion Ratio Lower Upper

64 100

66 32.9 26.0 39.0



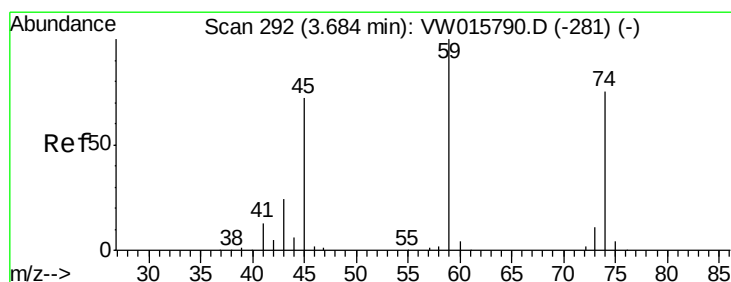
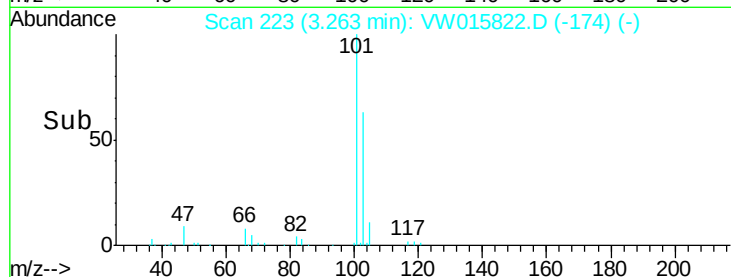
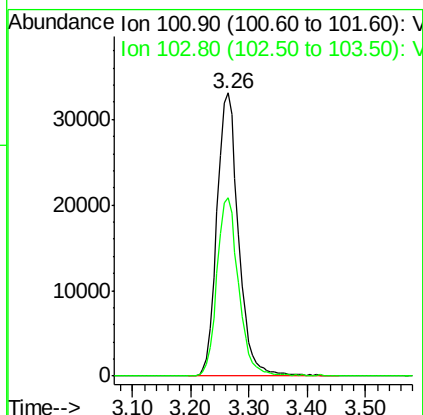
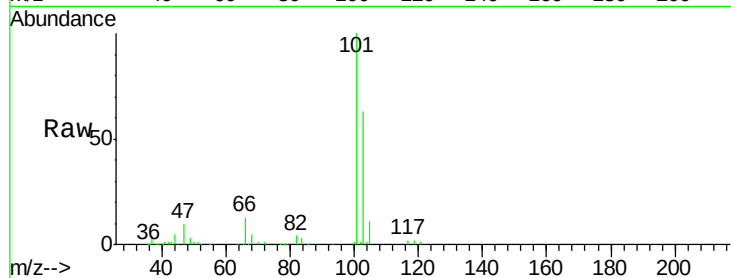


#7

Trichlorofluoromethane
Concen: 50.848 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

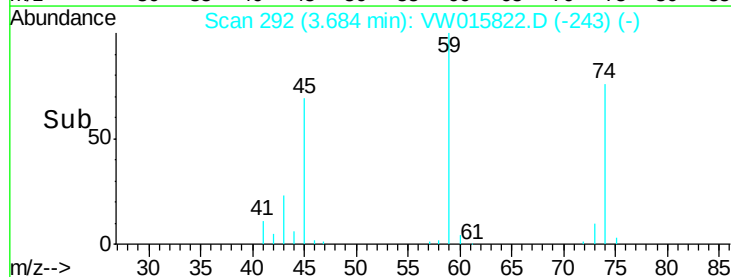
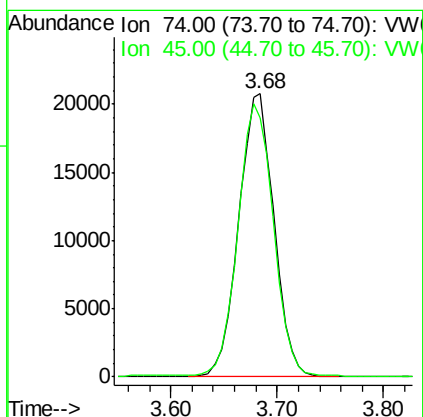
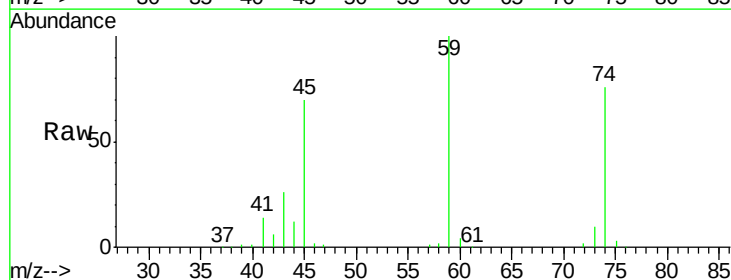
Tot Ion:101 Resp: 85097
Ion Ratio Lower Upper
101 100
103 62.8 52.2 78.4

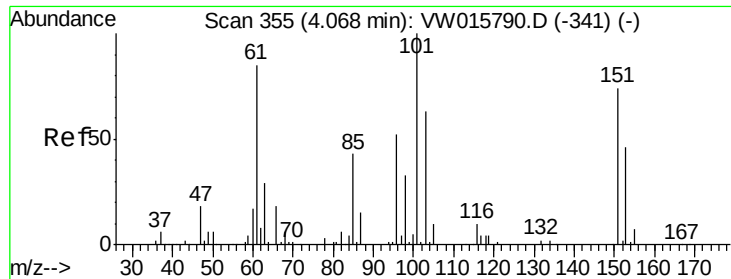


#8

Diethyl Ether
Concen: 46.189 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 74 Resp: 48164
Ion Ratio Lower Upper
74 100
45 98.0 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.907 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

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VSTDCCC050

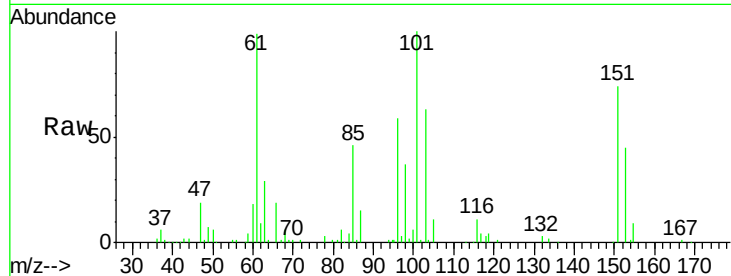
Tot Ion:101 Resp: 97770

Ion Ratio Lower Upper

101 100

85 44.7 36.1 54.1

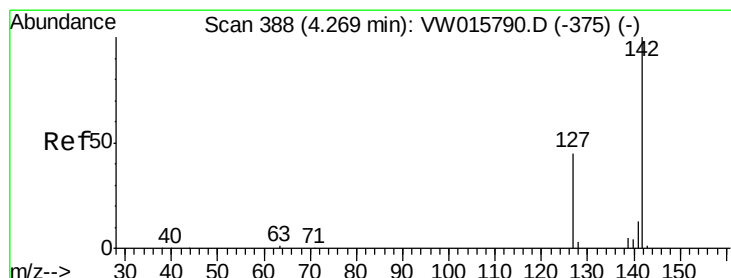
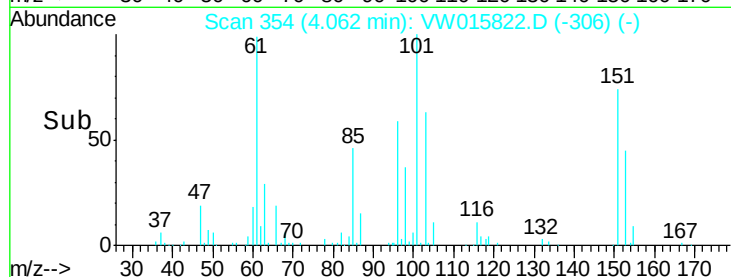
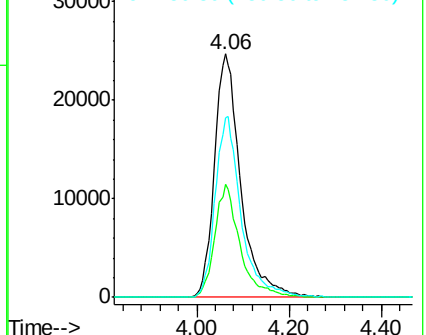
151 73.0 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.261 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

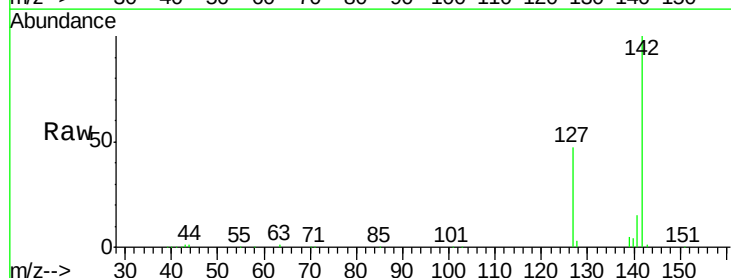
Tgt Ion:142 Resp: 134930

Ion Ratio Lower Upper

142 100

127 46.1 36.1 54.1

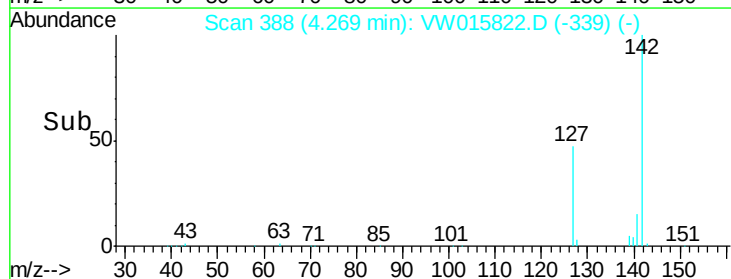
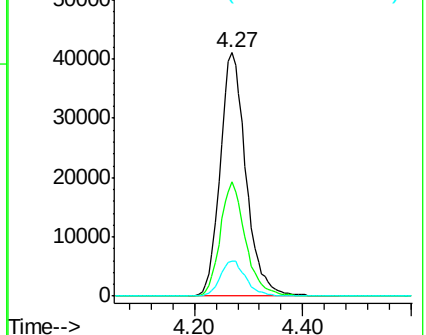
141 14.6 11.7 17.5

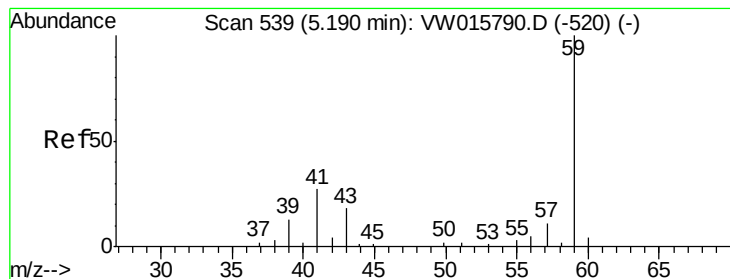


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 234.372 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

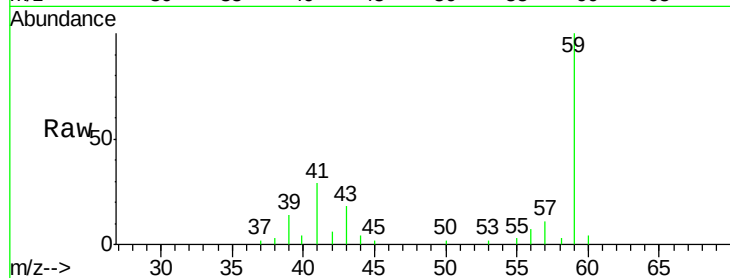
VSTDCCC050

Tot Ion: 59 Resp: 26595

Ion Ratio Lower Upper

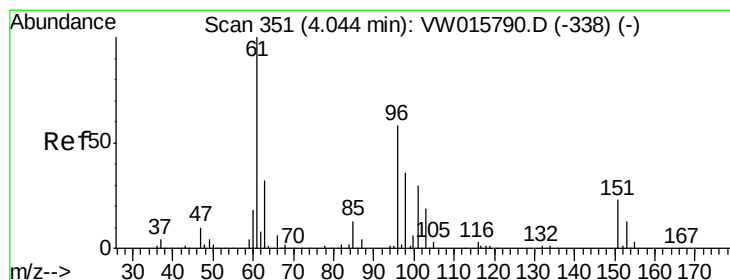
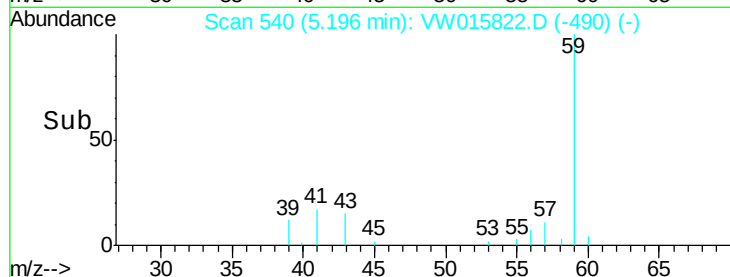
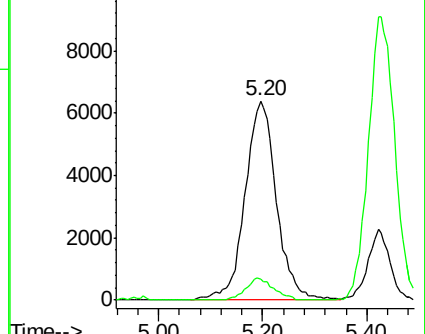
59 100

57 9.9 8.7 13.1



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 49.500 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

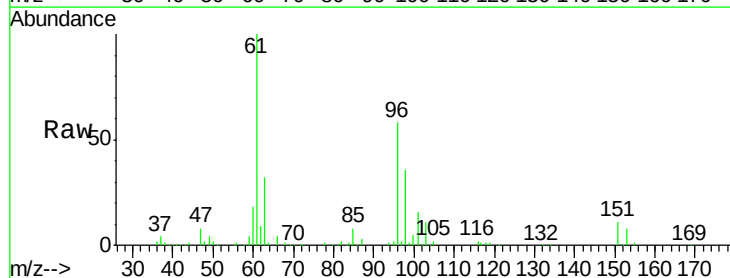
Tgt Ion: 96 Resp: 95343

Ion Ratio Lower Upper

96 100

61 172.7 137.0 205.4

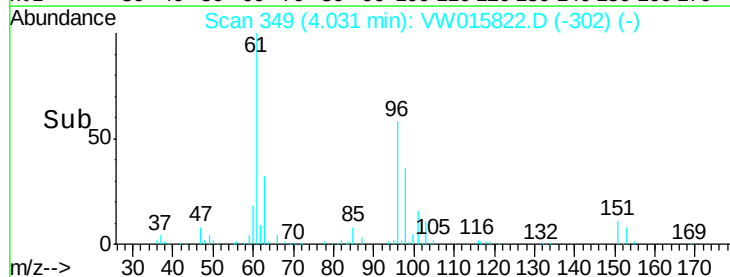
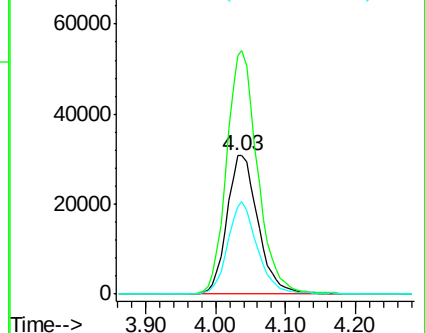
98 62.9 49.3 73.9

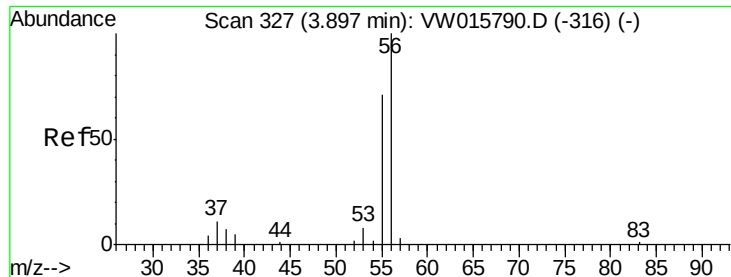


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 212.970 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

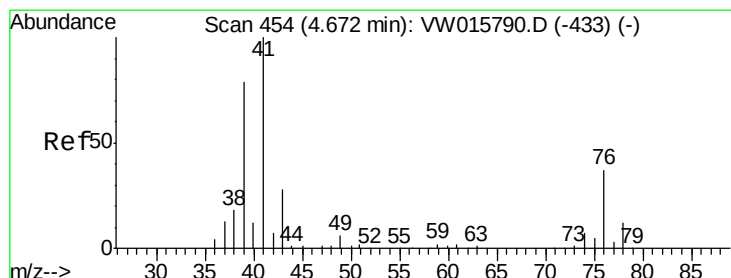
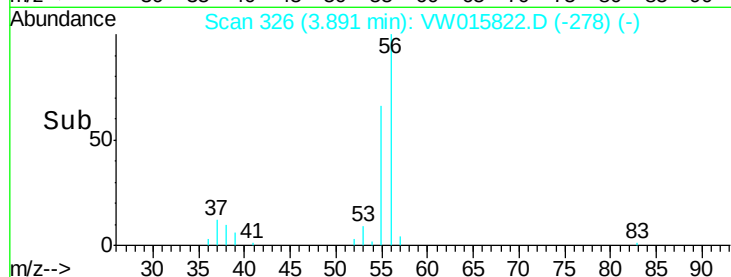
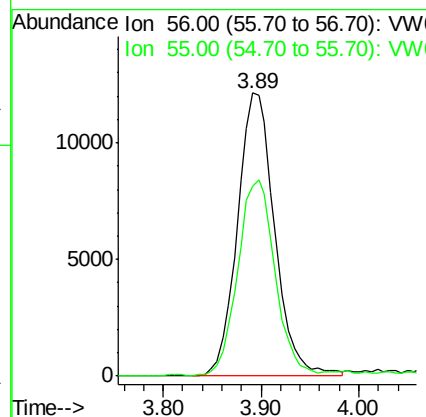
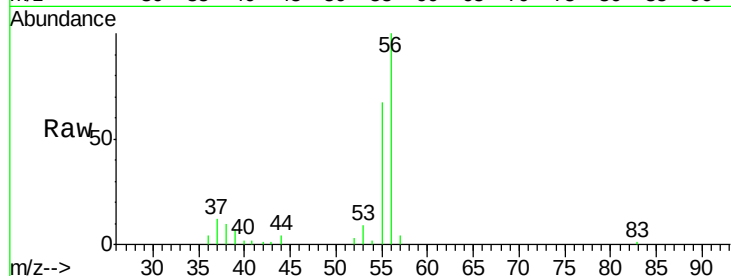
VSTDCCC050

Tot Ion: 56 Resp: 32080

Ion Ratio Lower Upper

56 100

55 69.8 55.8 83.6



#14

Allyl chloride

Concen: 50.091 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

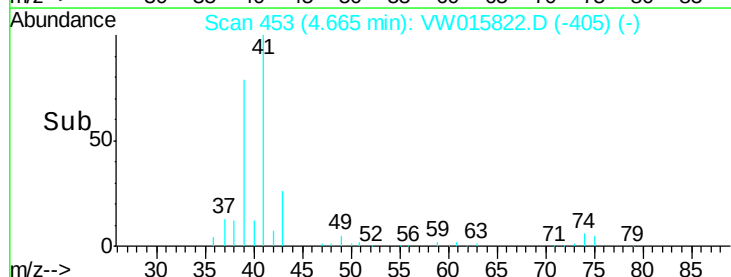
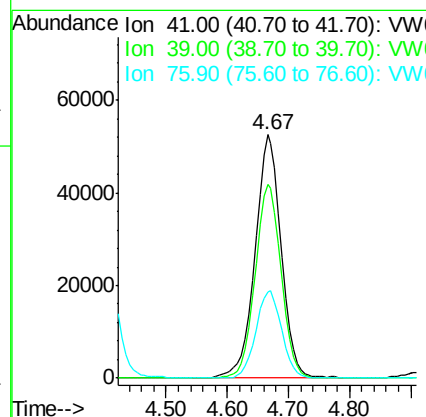
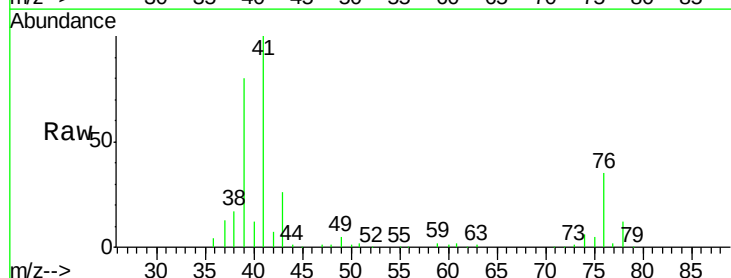
Tgt Ion: 41 Resp: 156816

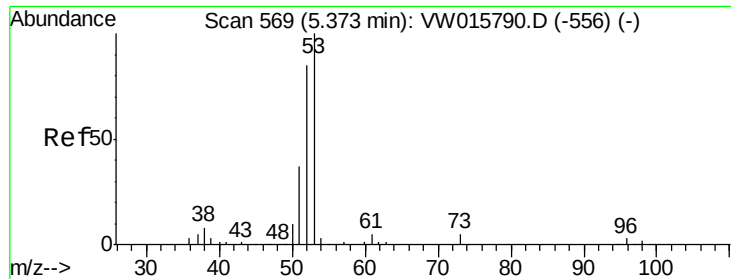
Ion Ratio Lower Upper

41 100

39 79.8 64.0 96.0

76 35.6 28.9 43.3





#15

Acrylonitrile

Concen: 240.152 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

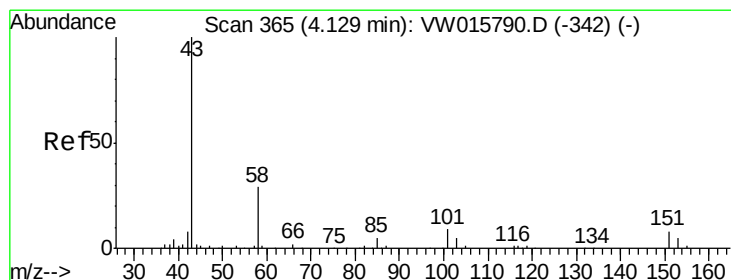
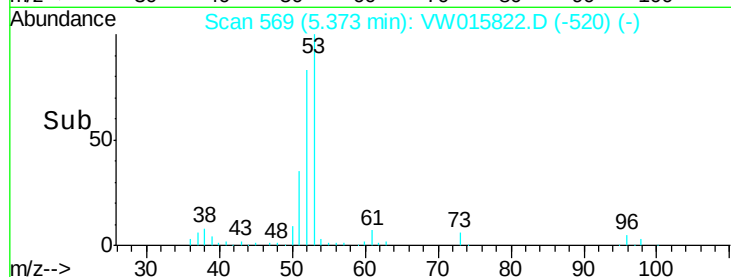
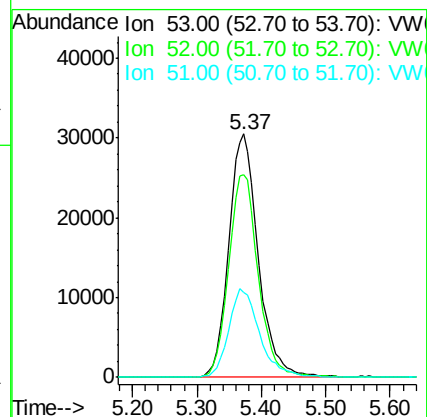
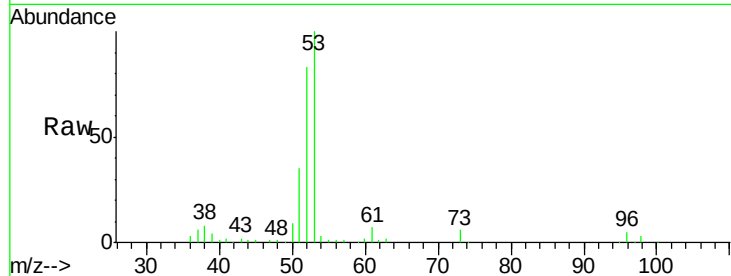
Tot Ion: 53 Resp: 97909

Ion Ratio Lower Upper

53 100

52 83.9 65.8 98.8

51 38.3 30.2 45.2



#16

Acetone

Concen: 248.693 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW015822.D

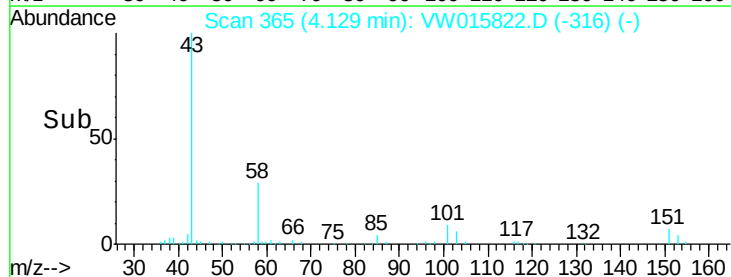
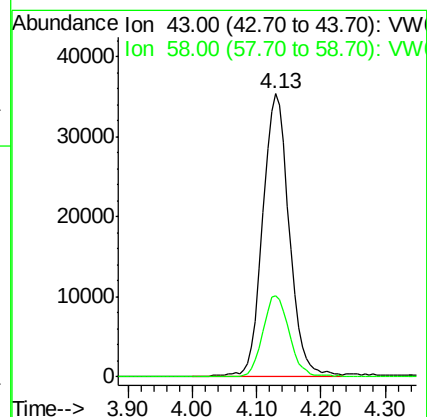
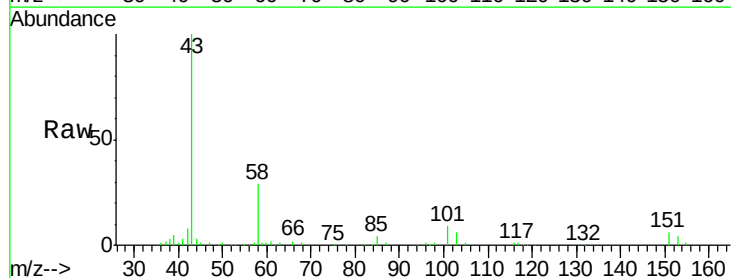
Acq: 09 Jul 2020 11:34

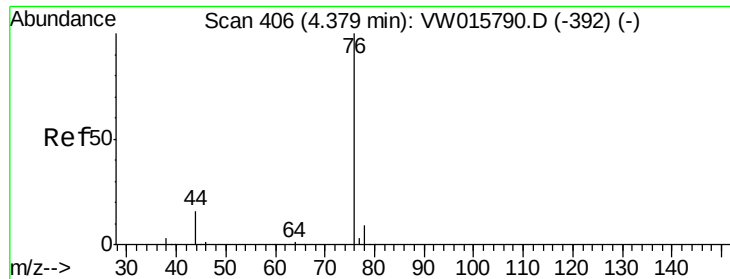
Tgt Ion: 43 Resp: 101041

Ion Ratio Lower Upper

43 100

58 28.7 23.5 35.3

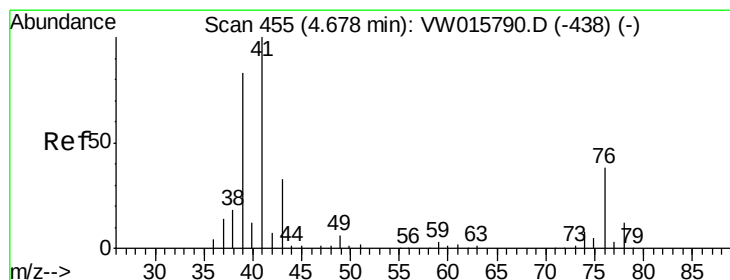
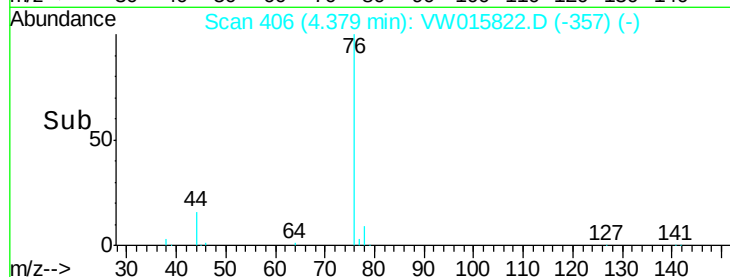
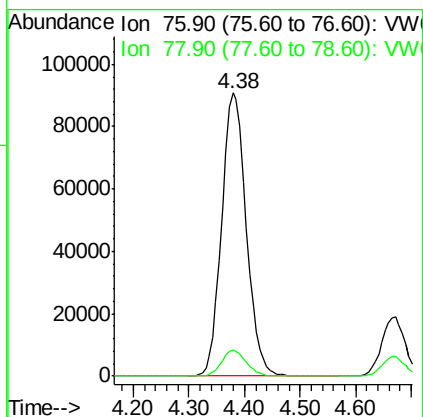
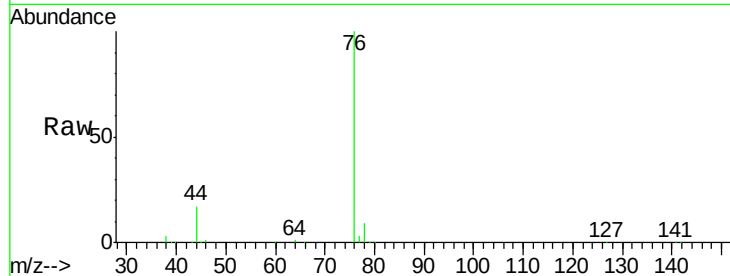




#17
Carbon Disulfide
Concen: 48.449 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

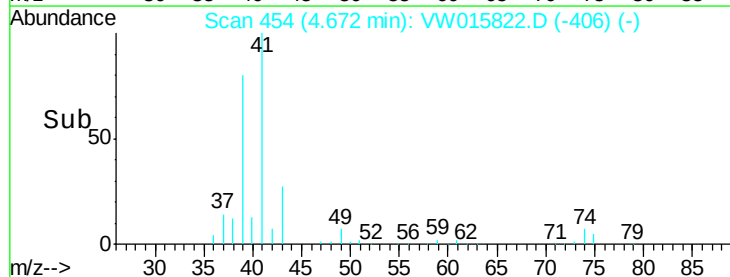
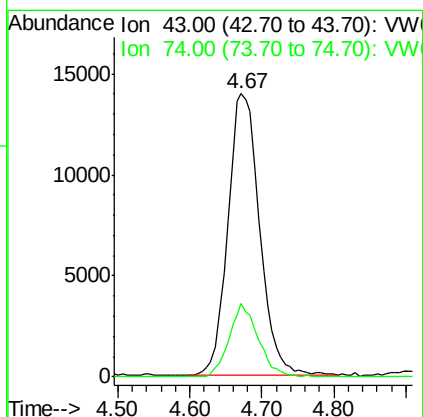
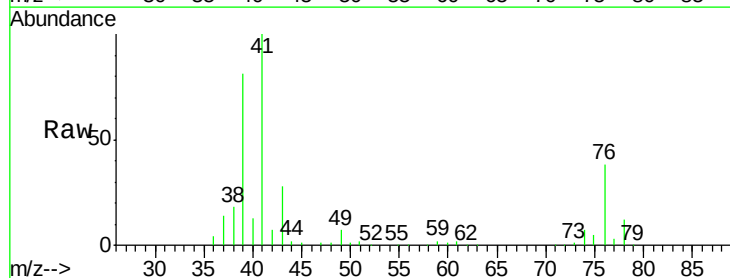
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

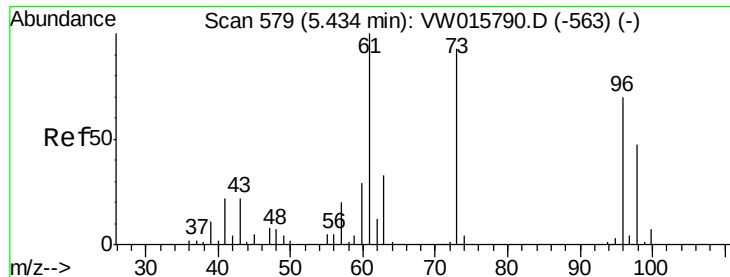
Tot Ion: 76 Resp: 277601
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 46.474 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 43 Resp: 42970
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8

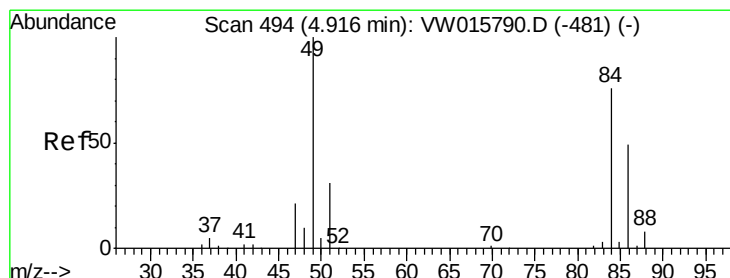
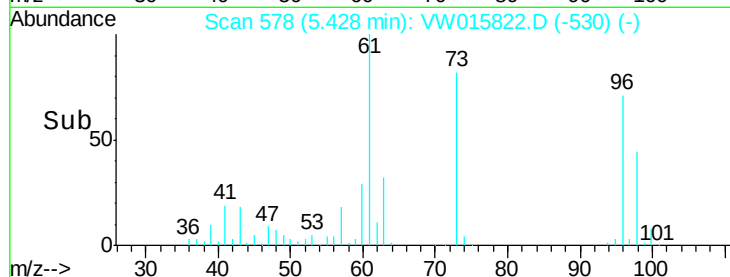
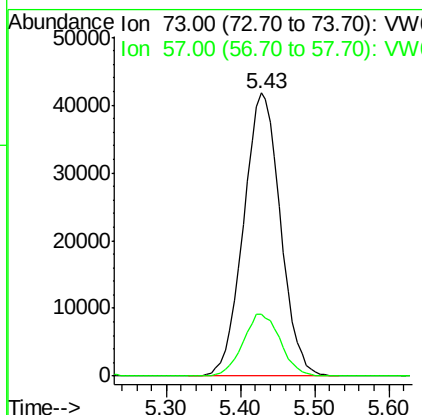
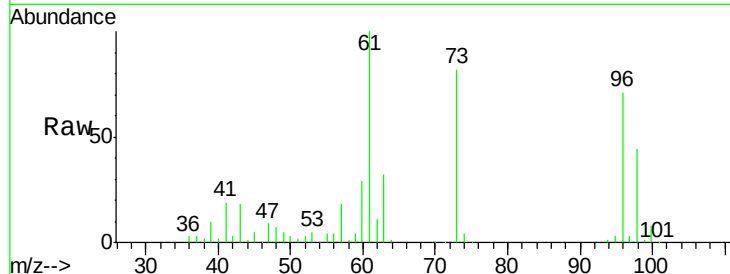




#19
Methyl tert-butyl Ether
Concen: 50.147 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

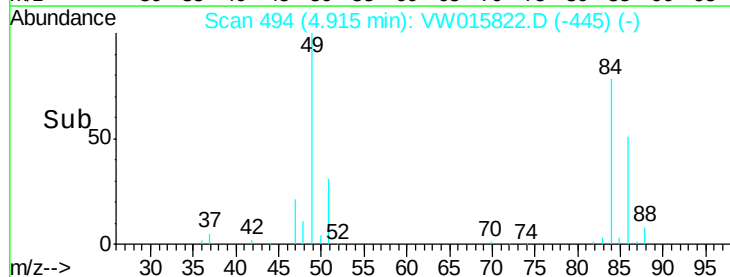
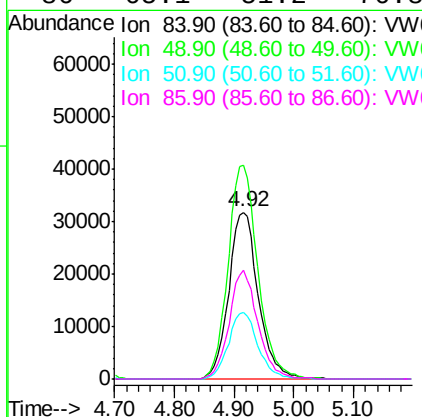
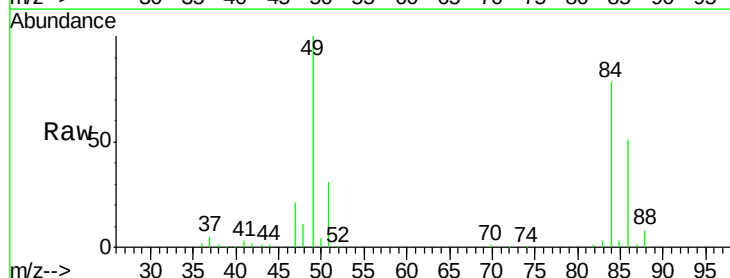
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

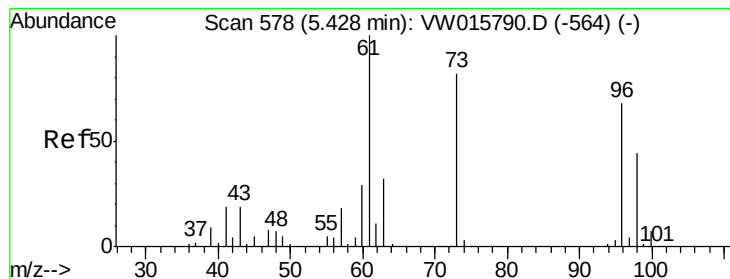
Tot Ion: 73 Resp: 144562
Ion Ratio Lower Upper
73 100
57 21.7 16.8 25.2



#20
Methylene Chloride
Concen: 52.658 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 84 Resp: 109394
Ion Ratio Lower Upper
84 100
49 128.3 105.0 157.6
51 40.1 32.3 48.5
86 65.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 49.110 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

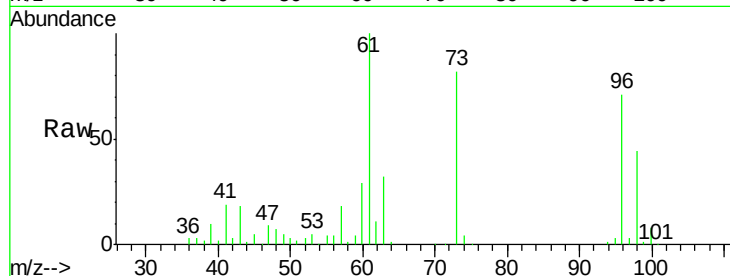
Tot Ion: 96 Resp: 109563

Ion Ratio Lower Upper

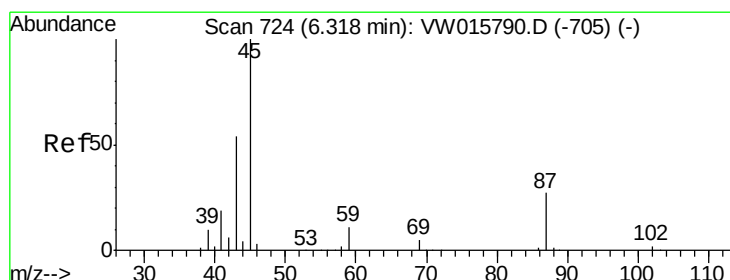
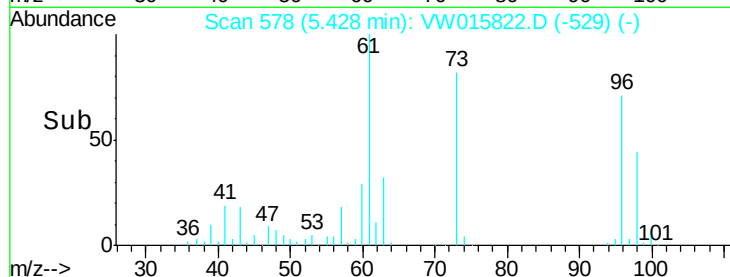
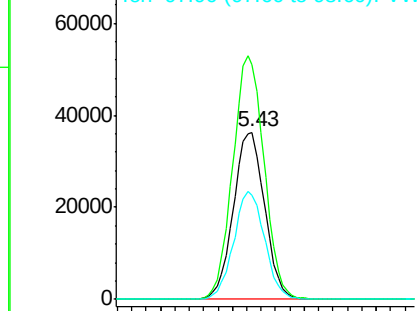
96 100

61 140.6 118.1 177.1

98 62.4 52.6 78.8



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



#22

Diisopropyl ether

Concen: 50.970 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Tgt Ion: 45 Resp: 321557

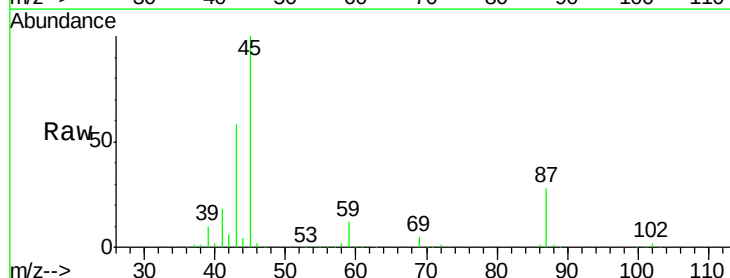
Ion Ratio Lower Upper

45 100

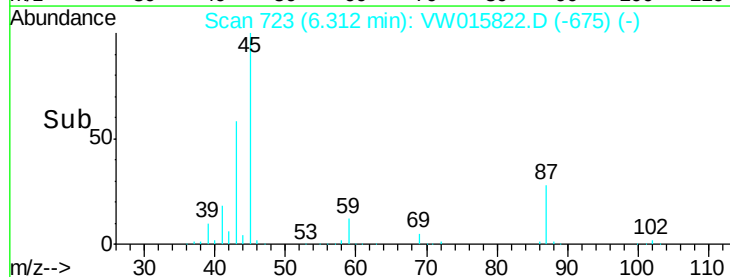
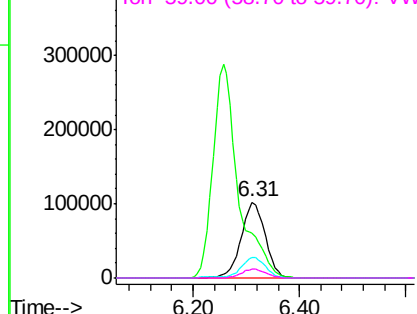
43 58.1 43.8 65.6

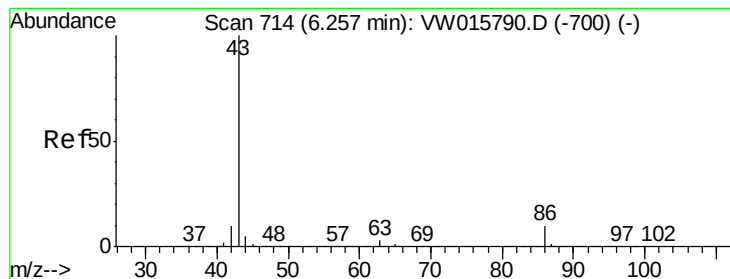
87 27.6 22.1 33.1

59 11.7 8.9 13.3



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: 252.637 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

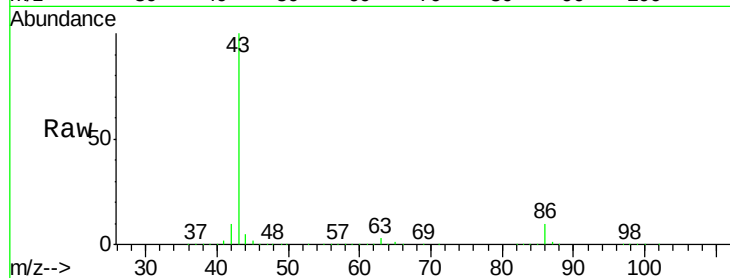
VSTDCCC050

Tot Ion: 43 Resp: 947988

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

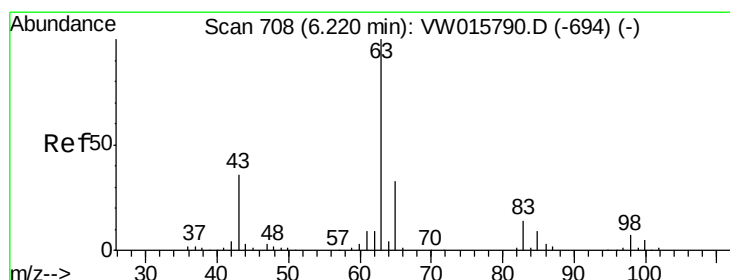
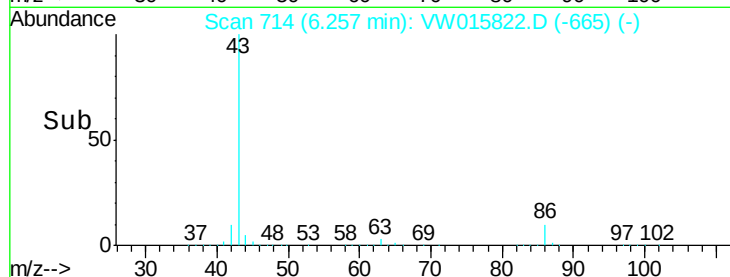
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.493 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

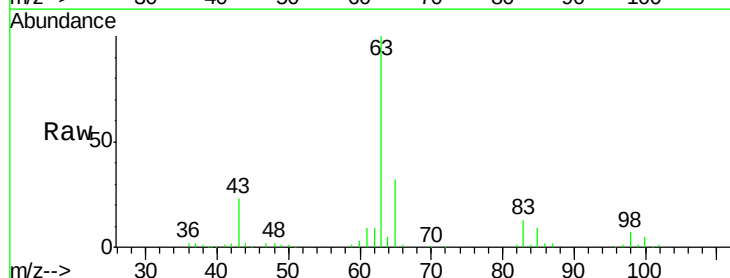
Tgt Ion: 63 Resp: 197686

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.6 2.4 7.1



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

6.21

80000

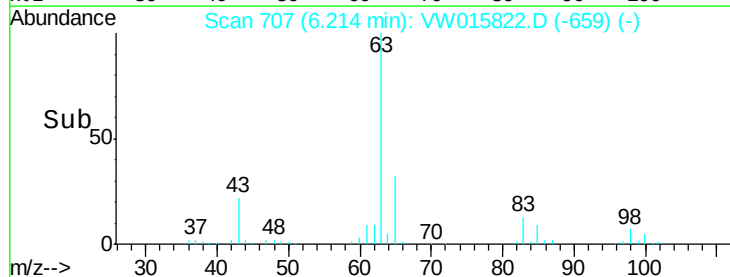
60000

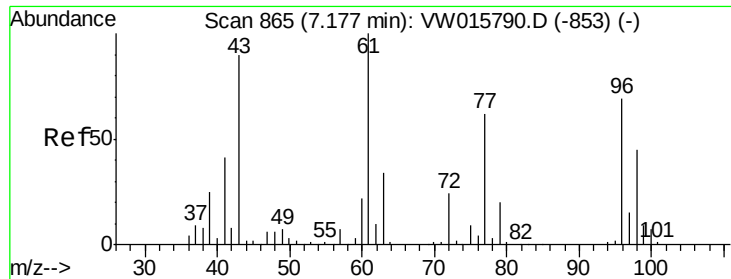
40000

20000

0

Time-->

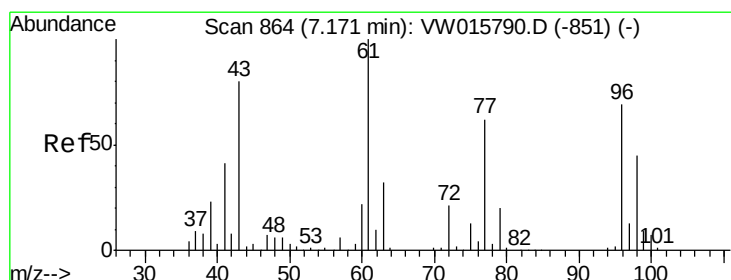
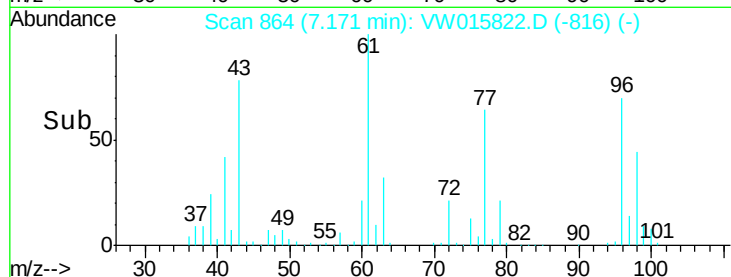
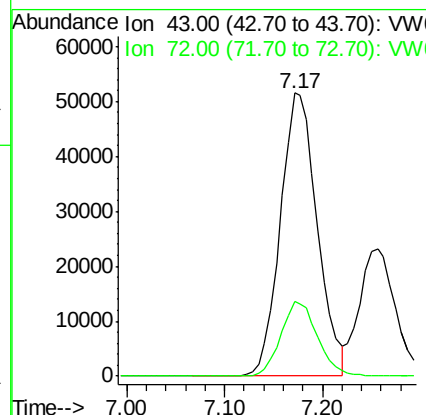
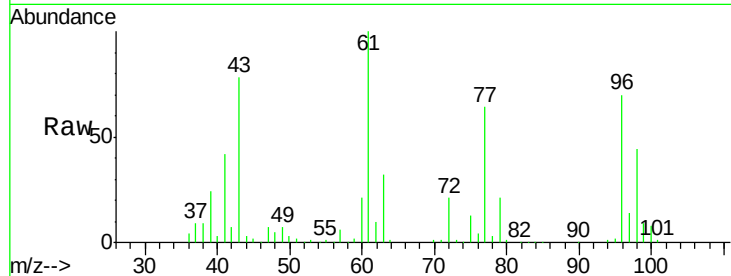




#25
2-Butanone
Concen: 245.256 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

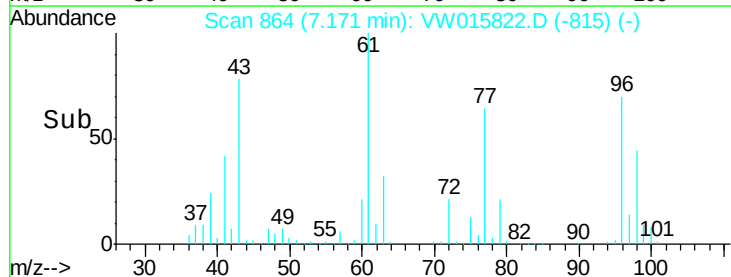
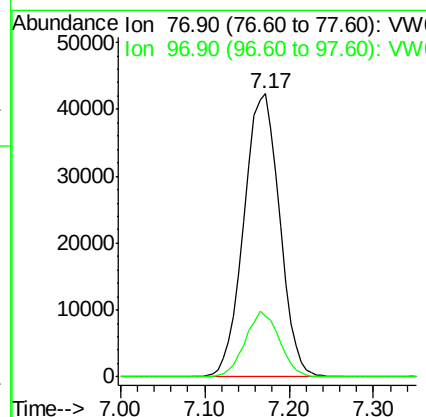
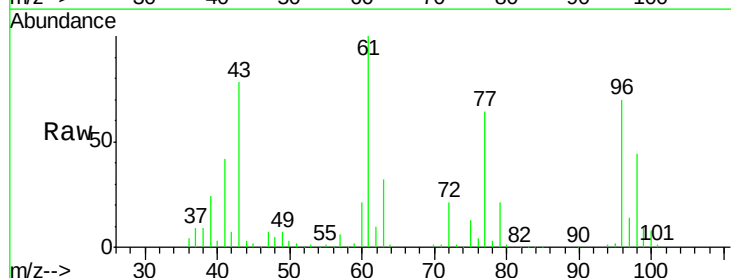
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

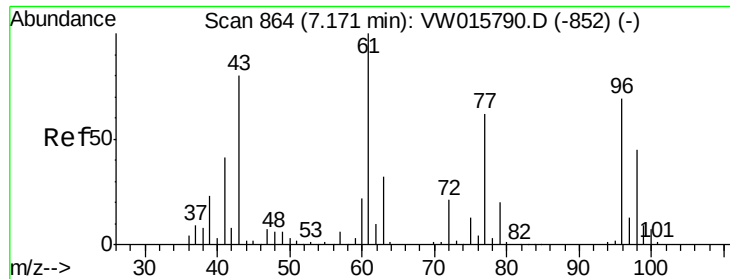
Tot Ion: 43 Resp: 135257
Ion Ratio Lower Upper
43 100
72 26.5 21.3 31.9



#26
2,2-Dichloropropane
Concen: 48.692 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 77 Resp: 122015
Ion Ratio Lower Upper
77 100
97 22.1 11.0 33.0

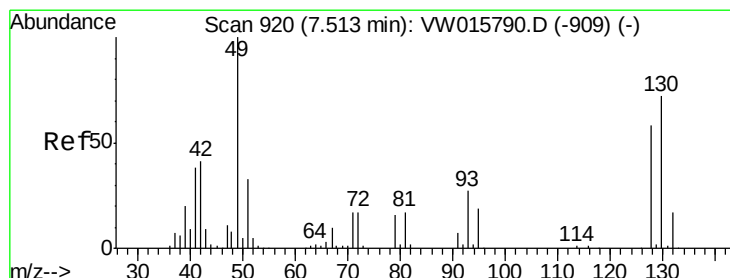
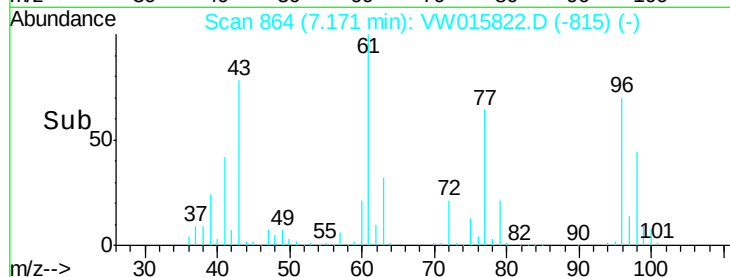
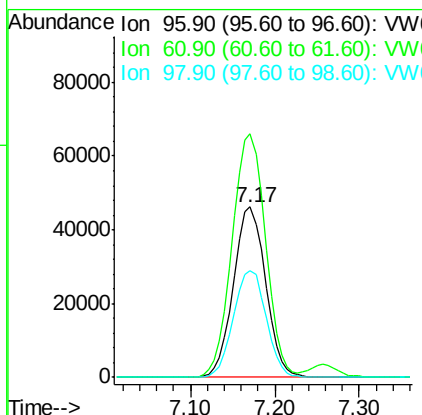
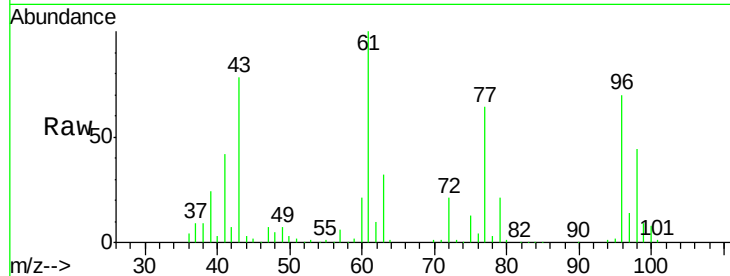




#27
 cis-1,2-Dichloroethene
 Concen: 49.950 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

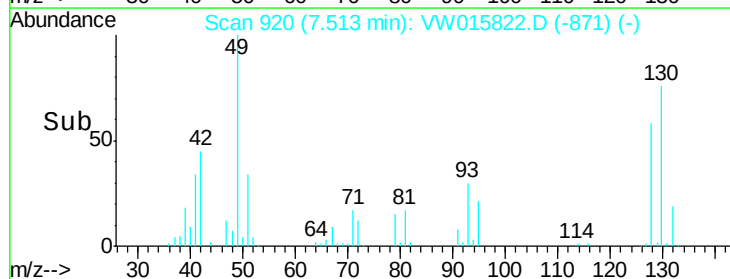
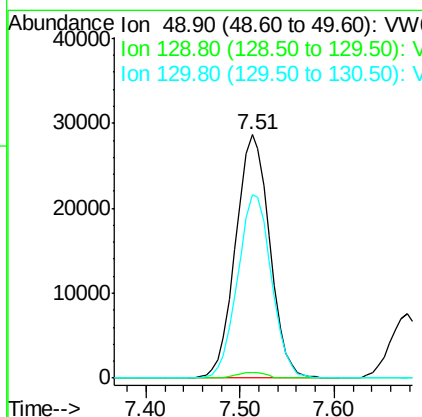
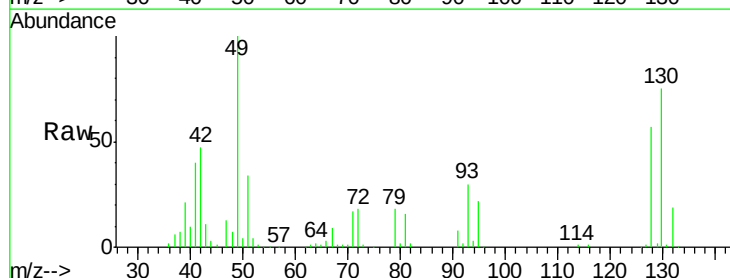
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

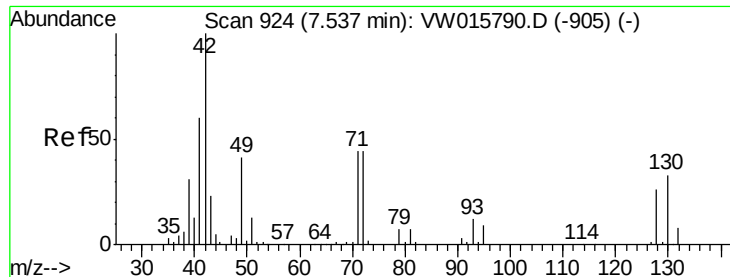
Tot Ion: 96 Resp: 119657
 Ion Ratio Lower Upper
 96 100
 61 148.3 0.0 292.2
 98 64.1 0.0 129.0



#28
 Bromochloromethane
 Concen: 45.825 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

Tgt Ion: 49 Resp: 72562
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 2.6
 130 74.9 59.5 89.3

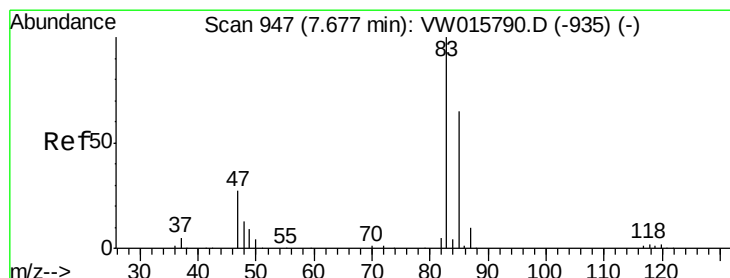
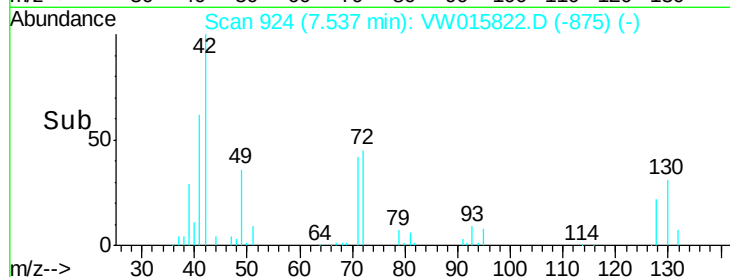
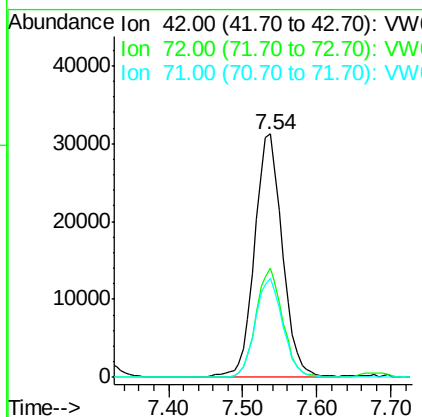
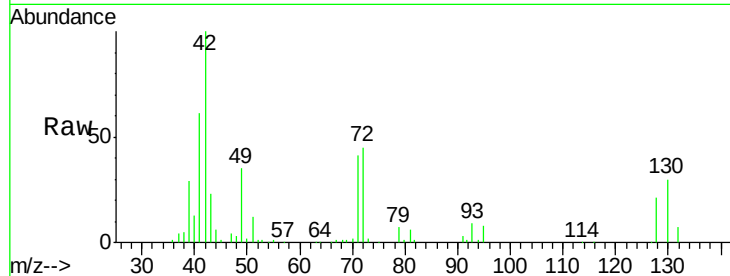




#29
Tetrahydrofuran
Concen: 246.066 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

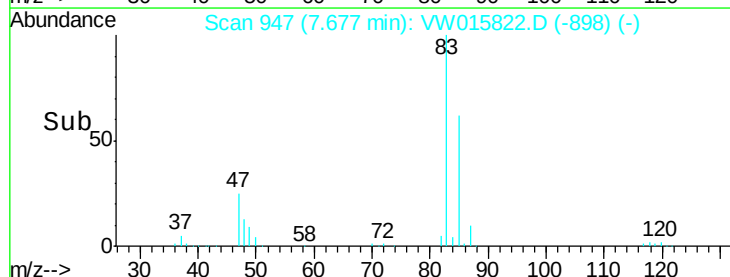
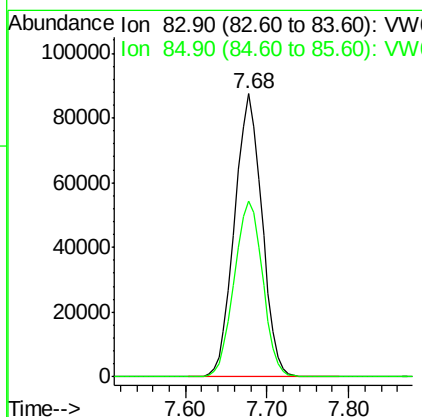
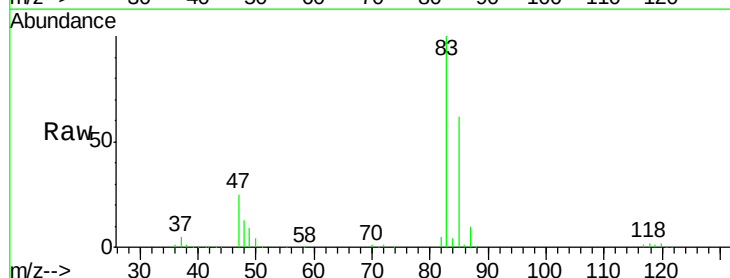
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

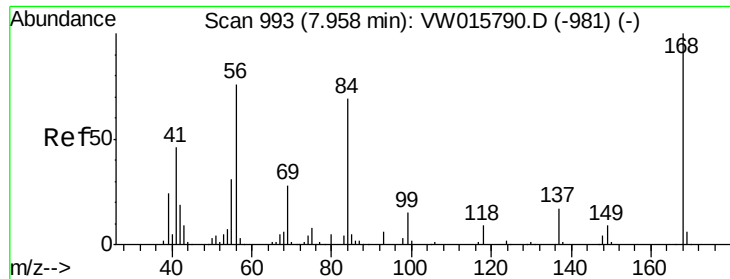
Tot Ion: 42 Resp: 82349
Ion Ratio Lower Upper
42 100
72 43.1 34.6 51.8
71 39.9 32.8 49.2



#30
Chloroform
Concen: 49.798 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 83 Resp: 203329
Ion Ratio Lower Upper
83 100
85 62.2 51.6 77.4

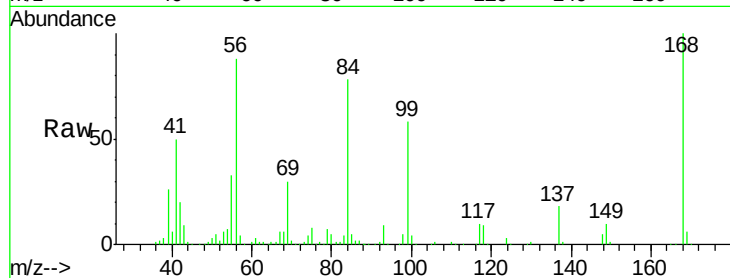




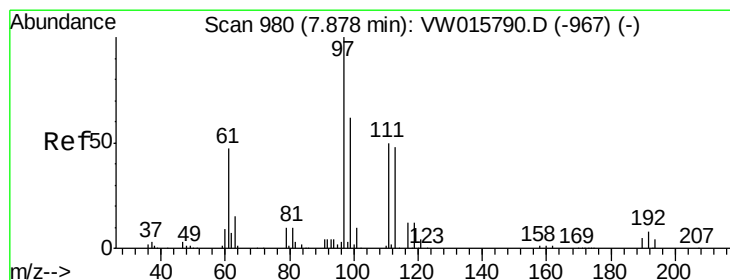
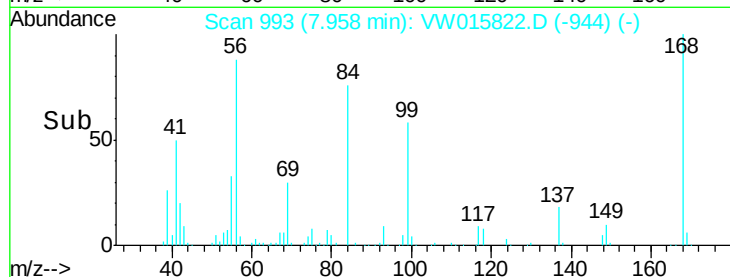
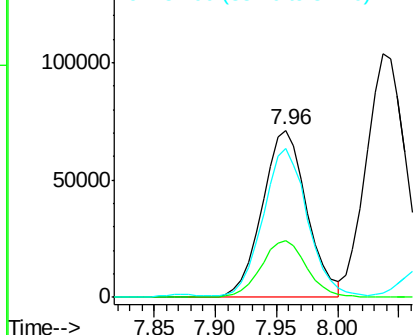
#31
Cyclohexane
Concen: 48.140 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 180969
Ion Ratio Lower Upper
56 100
69 34.3 28.9 43.3
84 87.7 72.2 108.4

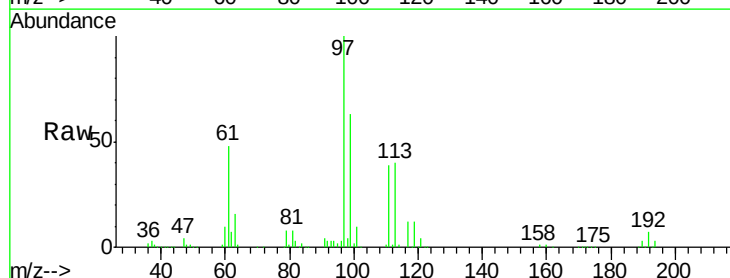


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

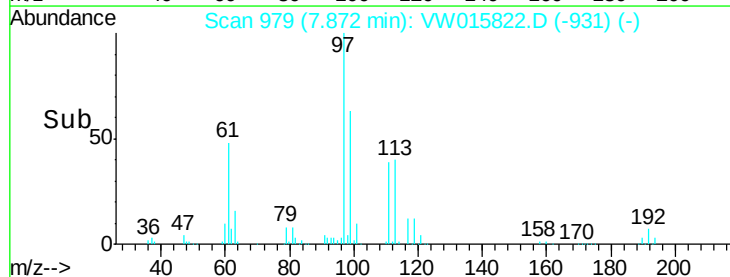
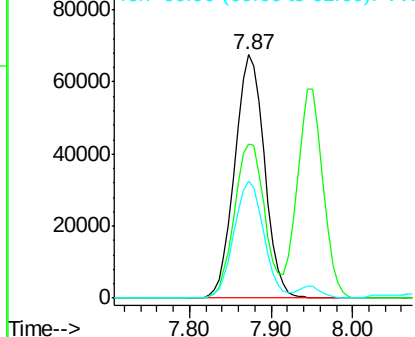


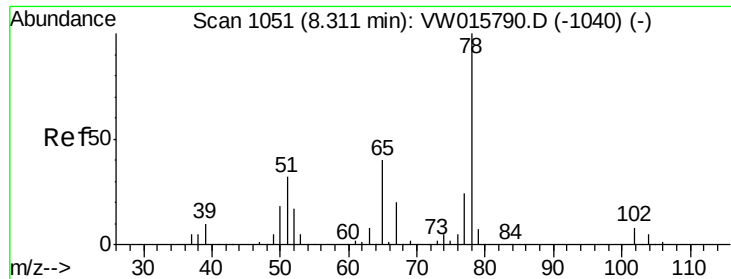
#32
1,1,1-Trichloroethane
Concen: 49.662 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 97 Resp: 170030
Ion Ratio Lower Upper
97 100
99 65.6 51.0 76.4
61 48.0 38.6 57.8



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





#33

1,2-Dichloroethane-d4

Concen: 47.549 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

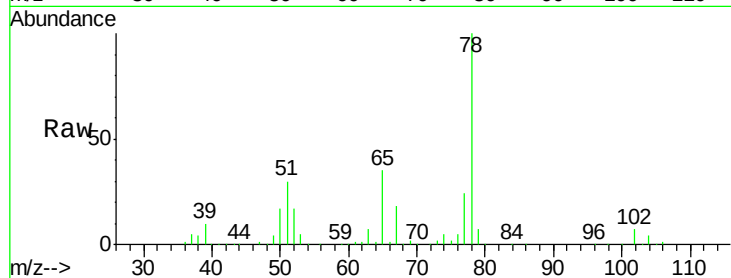
VSTDCCC050

Tot Ion: 65 Resp: 103247

Ion Ratio Lower Upper

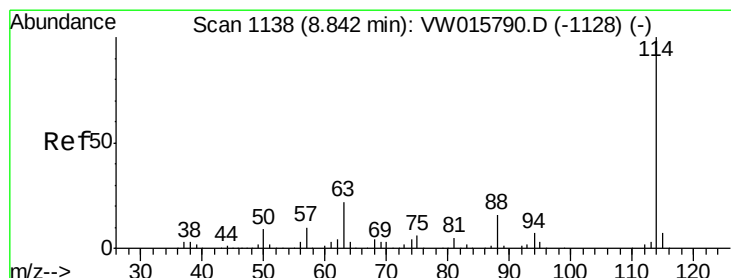
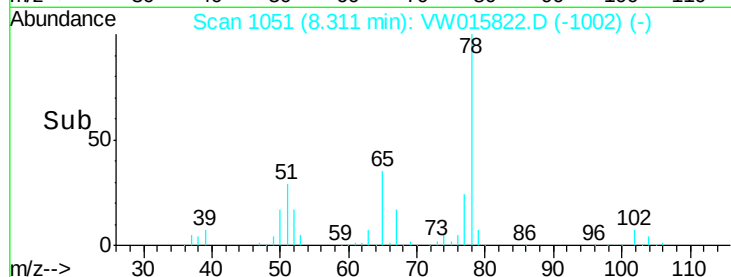
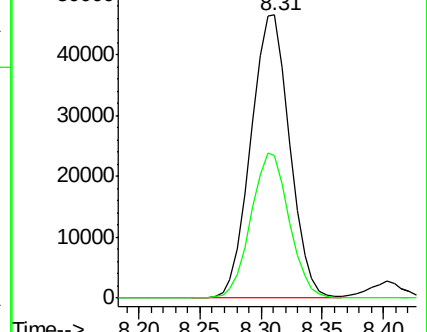
65 100

67 50.3 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

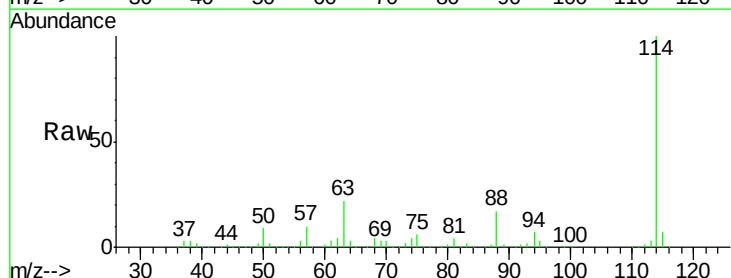
Tgt Ion: 114 Resp: 333817

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.4

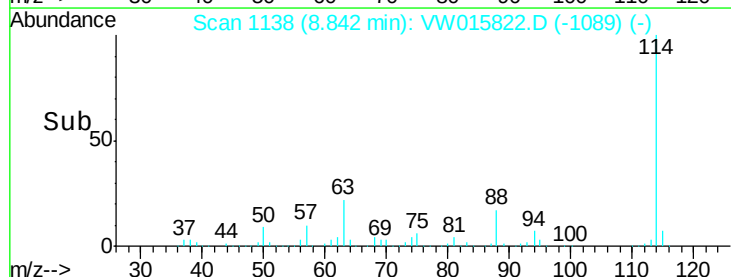
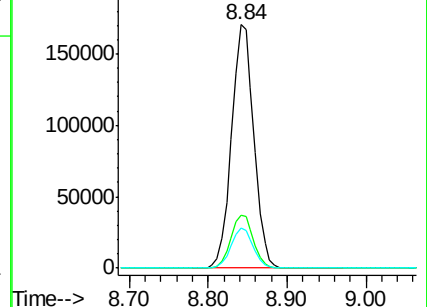
88 16.5 0.0 32.6

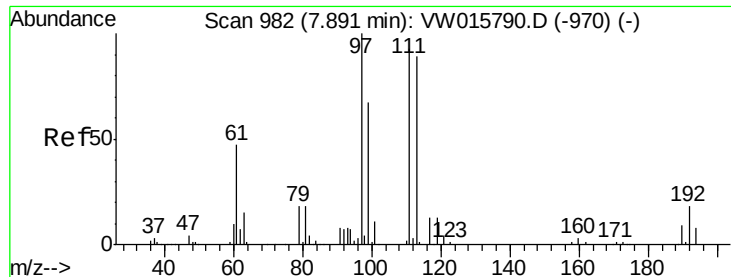


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 47.825 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

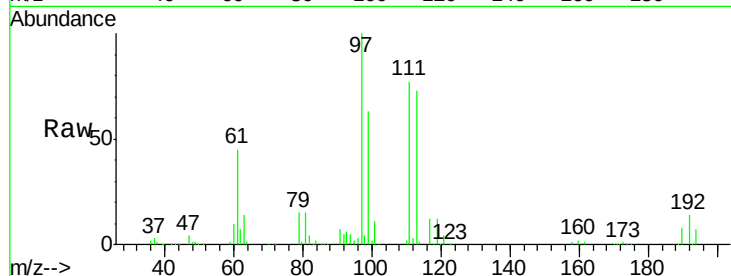
Tot Ion:113 Resp: 93141

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

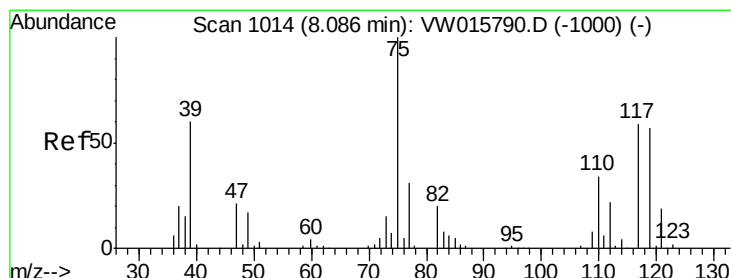
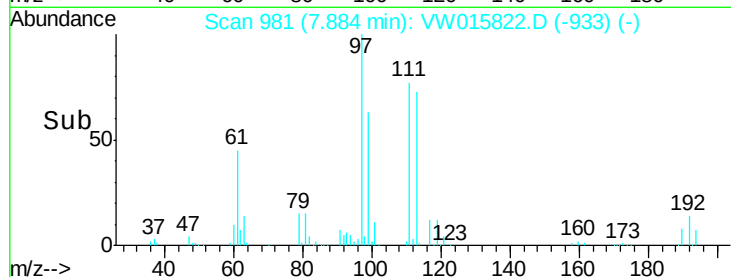
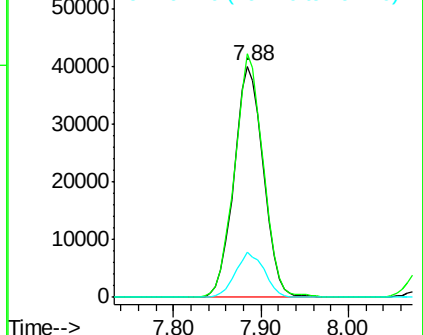
192 19.4 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.532 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

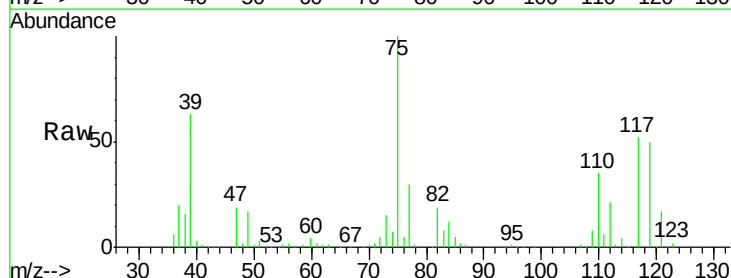
Tgt Ion: 75 Resp: 166284

Ion Ratio Lower Upper

75 100

110 33.8 16.8 50.3

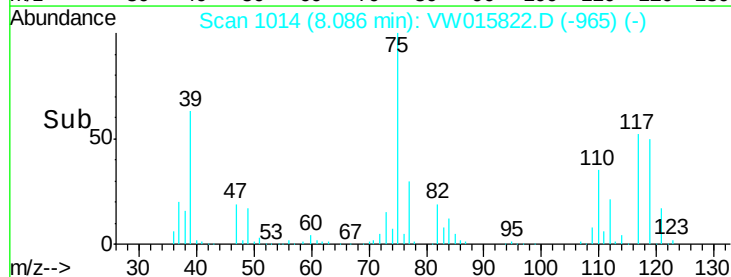
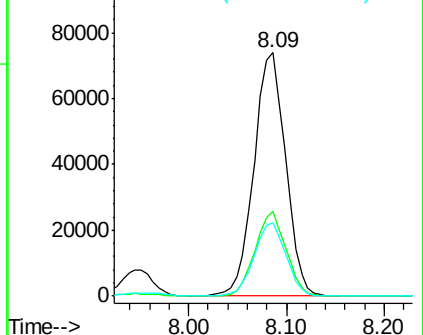
77 30.5 24.7 37.1

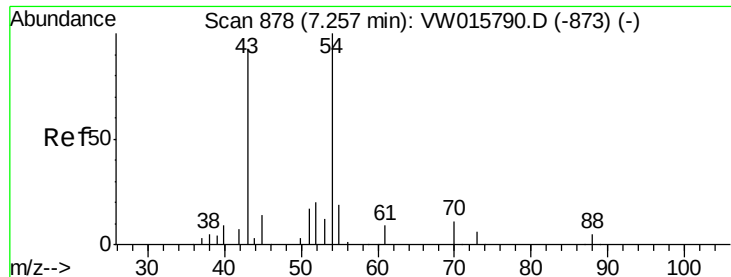


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 47.476 ug/l

RT: 7.26 min Scan# 878

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

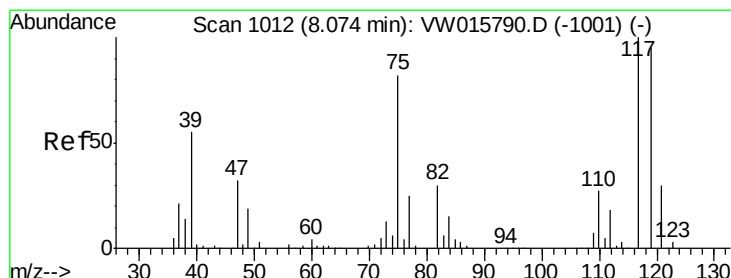
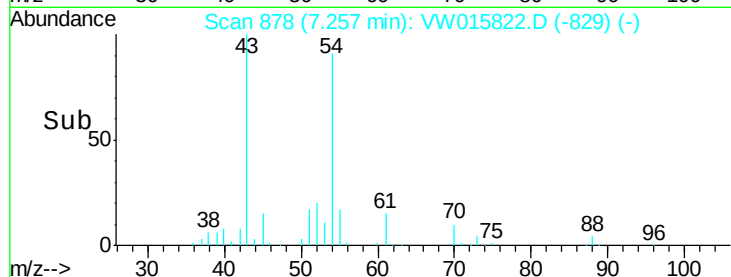
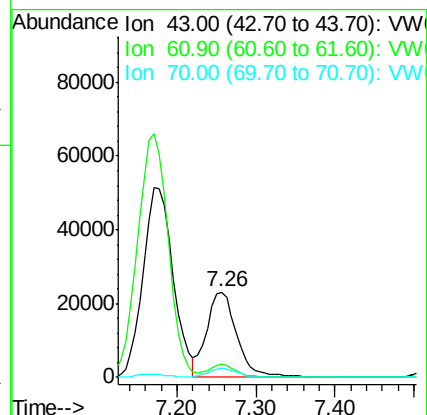
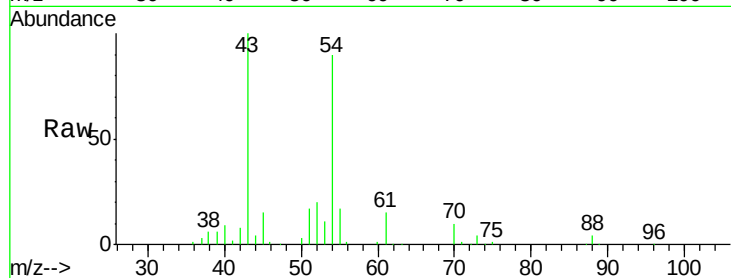
Tot Ion: 43 Resp: 60704

Ion Ratio Lower Upper

43 100

61 13.9 10.4 15.6

70 10.4 8.4 12.6



#38

Carbon Tetrachloride

Concen: 50.161 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

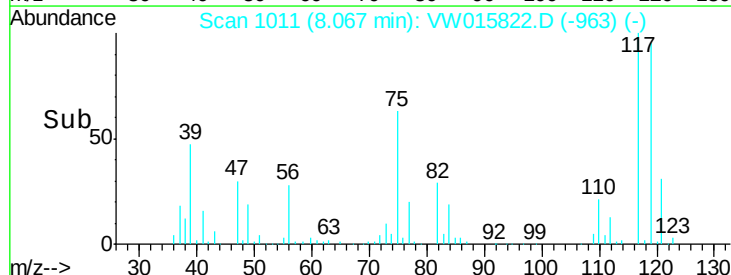
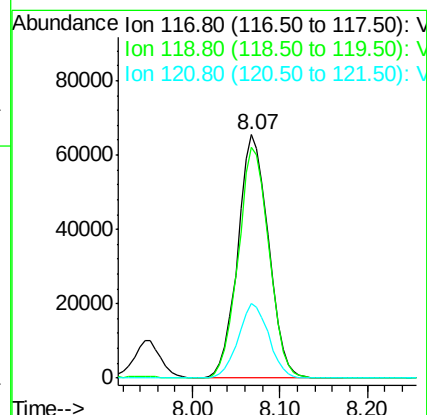
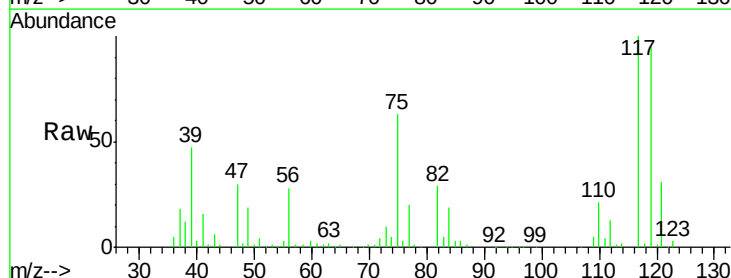
Tgt Ion: 117 Resp: 159721

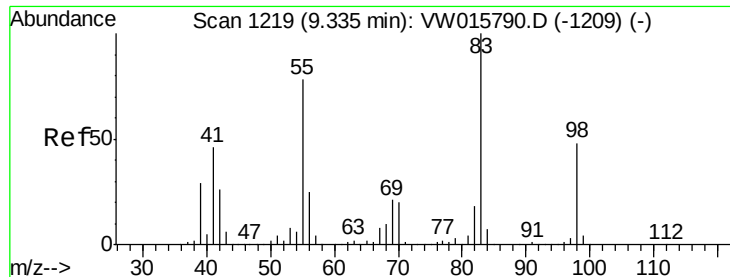
Ion Ratio Lower Upper

117 100

119 94.6 76.3 114.5

121 30.6 24.0 36.0

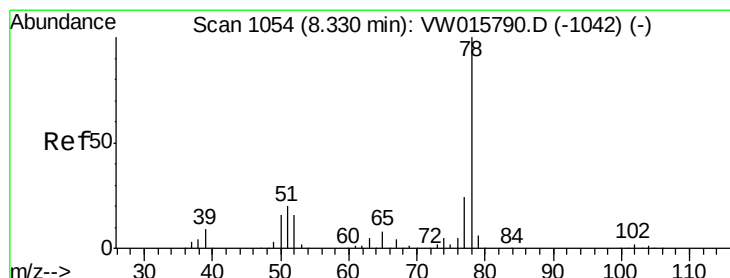
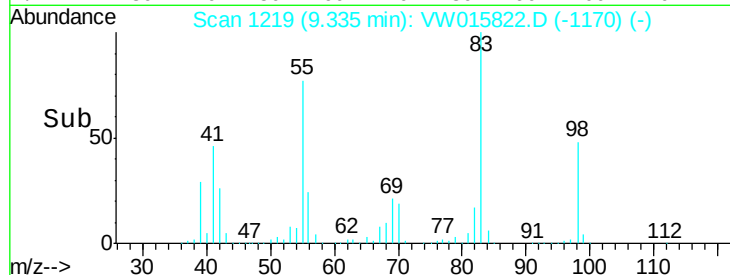
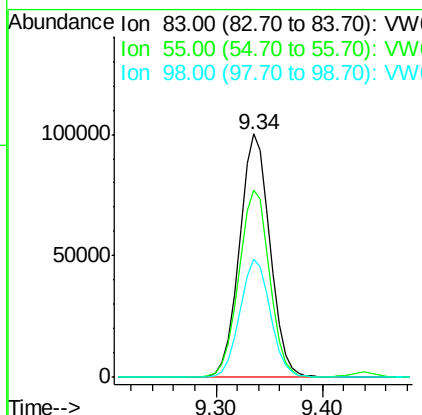
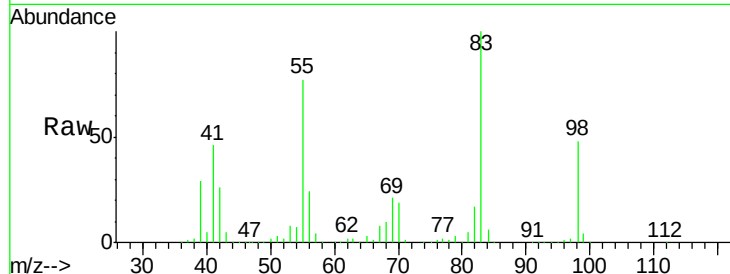




#39
Methylvlcyclohexane
Concen: 51.880 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

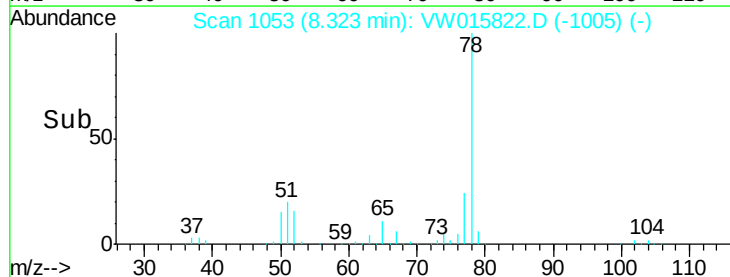
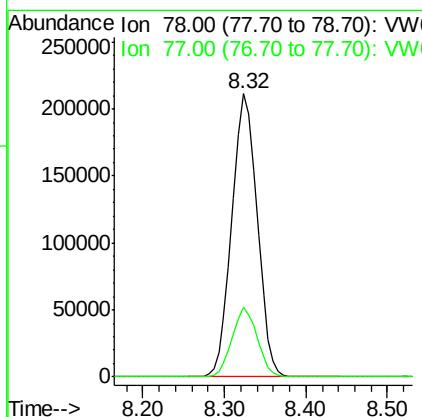
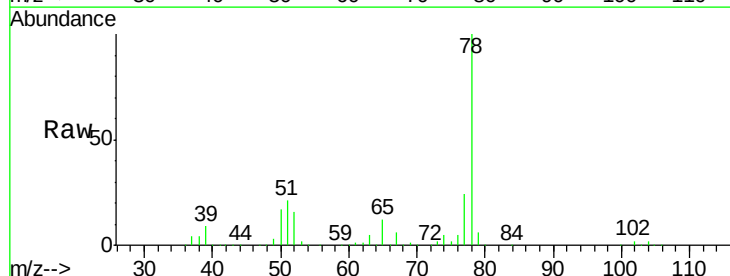
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

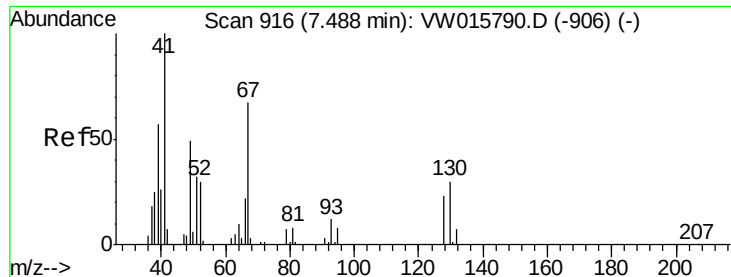
Tot Ion: 83 Resp: 201450
Ion Ratio Lower Upper
83 100
55 76.8 62.6 94.0
98 48.3 38.6 58.0



#40
Benzene
Concen: 50.396 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 78 Resp: 454271
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6

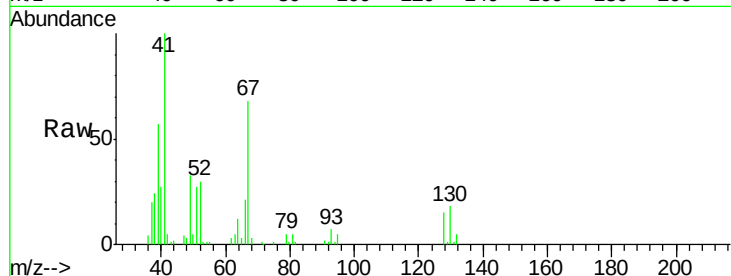




#41
Methacrylonitrile
Concen: 49.747 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	36111
Ion	Ratio	Lower	Upper
41	100		
39	56.7	44.6	66.8
67	68.0	56.4	84.6
52	30.8	25.4	38.2



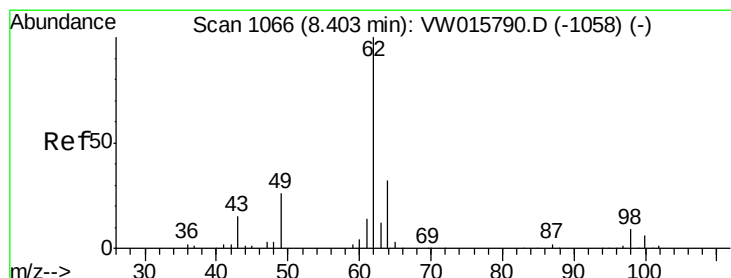
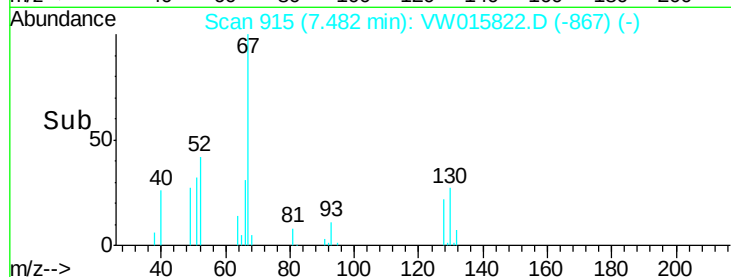
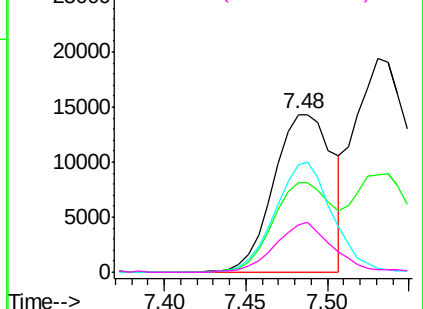
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

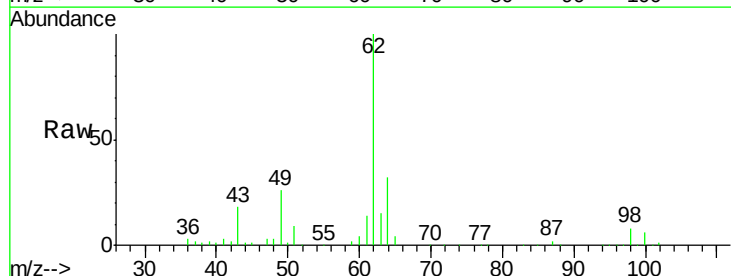
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 49.594 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

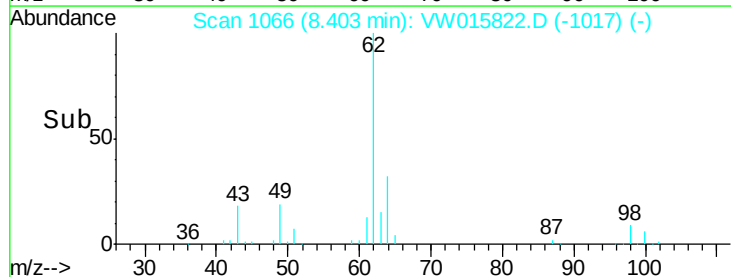
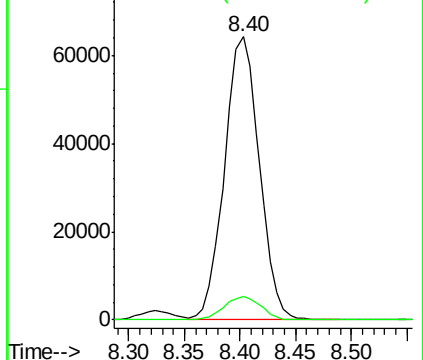
Tgt Ion:	62	Resp:	139134
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2

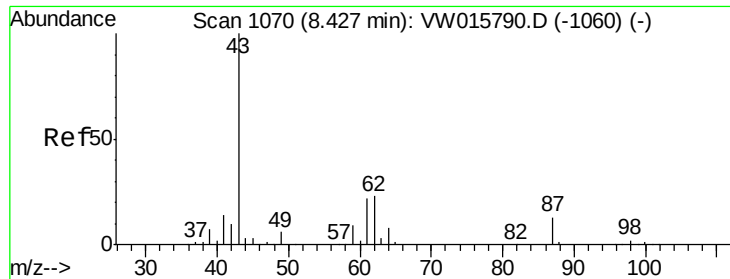


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 48.888 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

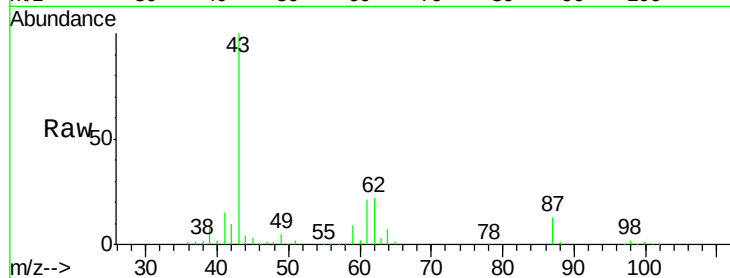
Tot Ion: 43 Resp: 122014

Ion Ratio Lower Upper

43 100

61 31.0 24.8 37.2

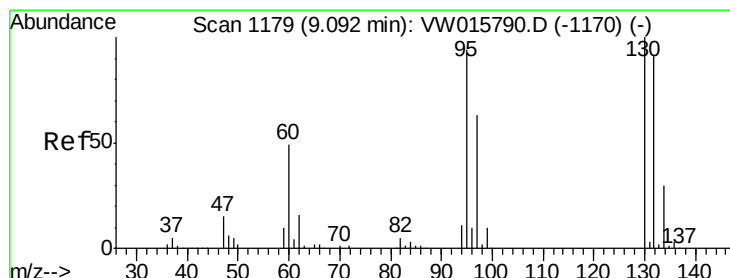
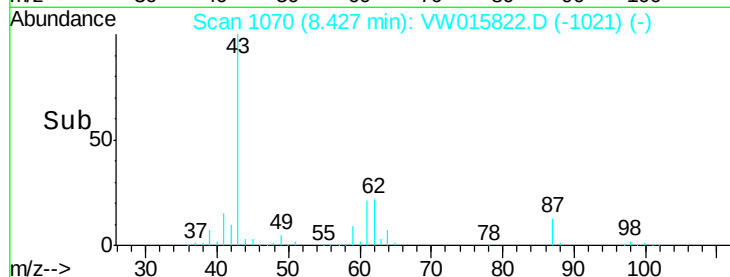
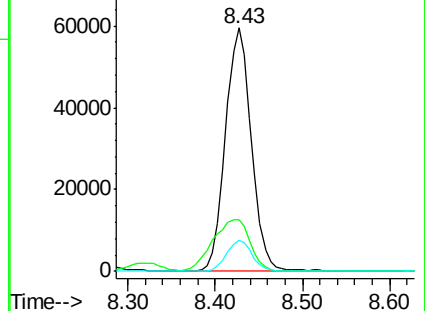
87 12.6 10.4 15.6



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: 49.731 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015822.D

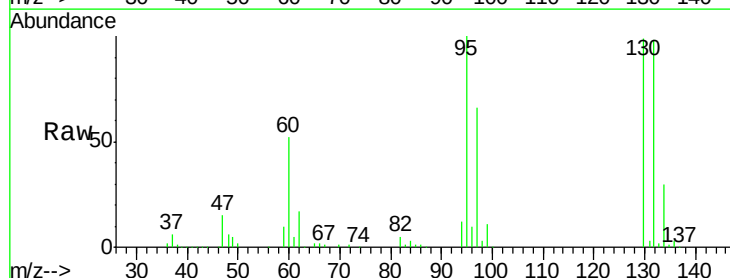
Acq: 09 Jul 2020 11:34

Tgt Ion: 130 Resp: 118569

Ion Ratio Lower Upper

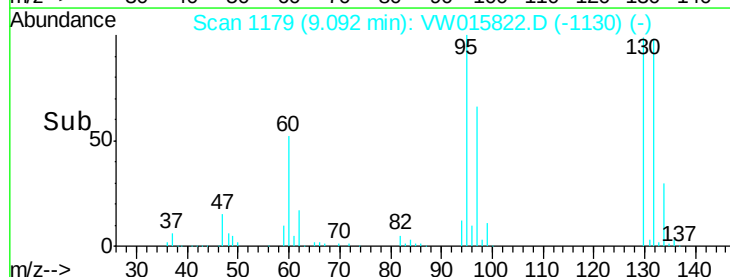
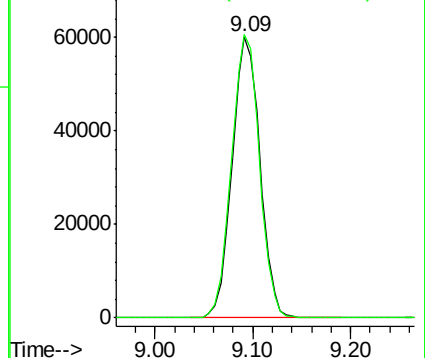
130 100

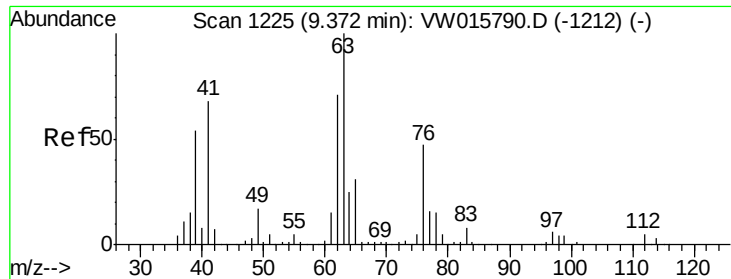
95 100.8 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 50.297 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

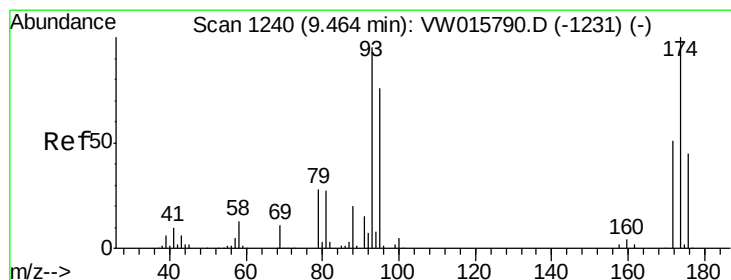
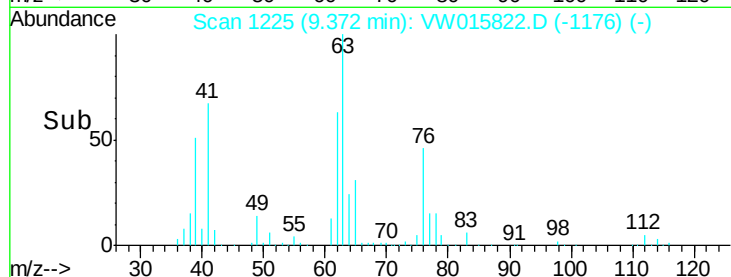
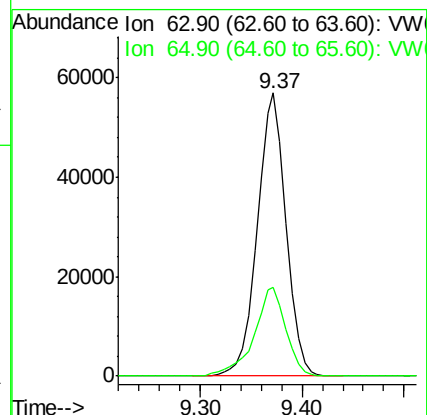
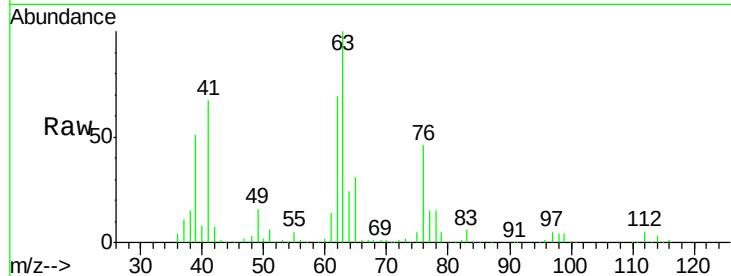
VSTDCCC050

Tot Ion: 63 Resp: 111440

Ion Ratio Lower Upper

63 100

65 31.4 24.5 36.7



#46

Dibromomethane

Concen: 49.006 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

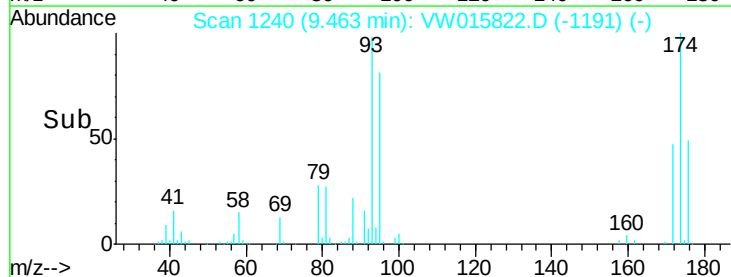
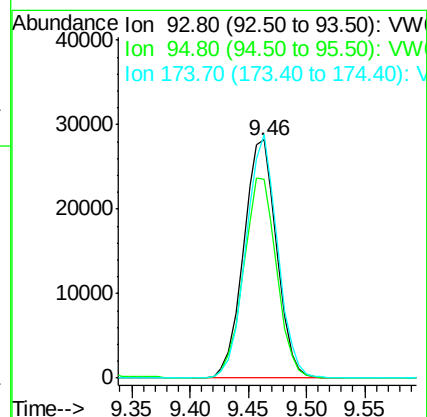
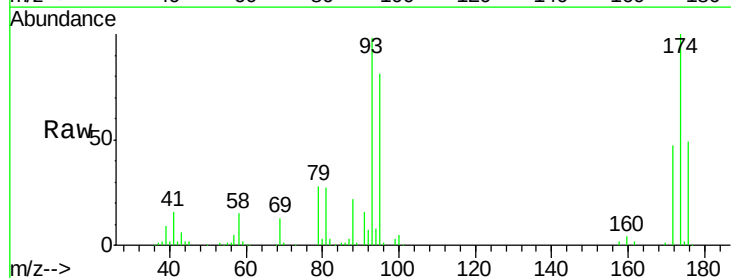
Tgt Ion: 93 Resp: 55900

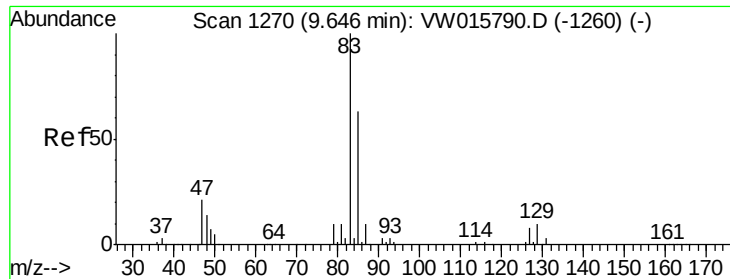
Ion Ratio Lower Upper

93 100

95 83.8 66.0 99.0

174 97.5 78.7 118.1





#47

Bromodichloromethane

Concen: 51.058 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

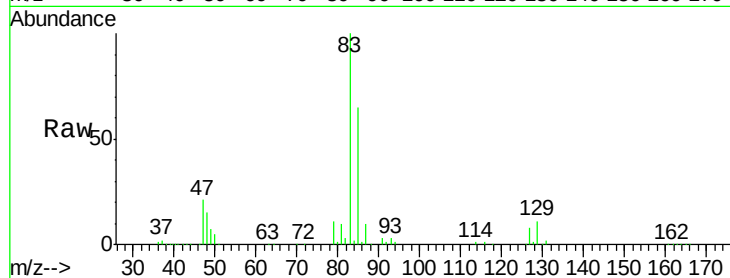
Tot Ion: 83 Resp: 150643

Ion Ratio Lower Upper

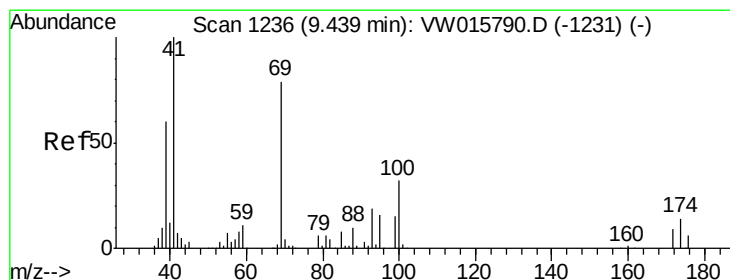
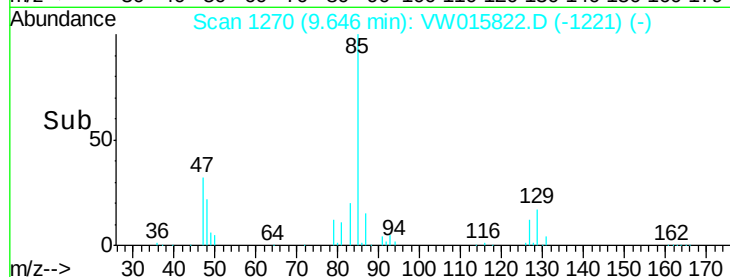
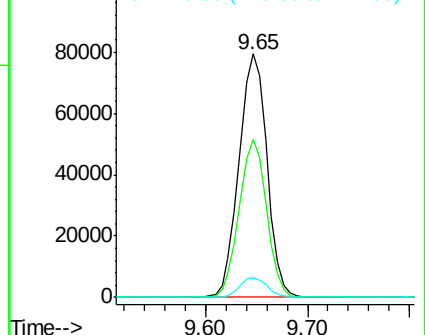
83 100

85 64.9 50.6 76.0

127 7.8 6.2 9.2



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



#48

Methyl methacrylate

Concen: 50.300 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

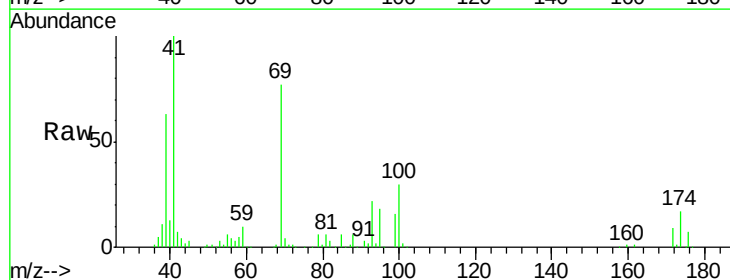
Tgt Ion: 41 Resp: 57534

Ion Ratio Lower Upper

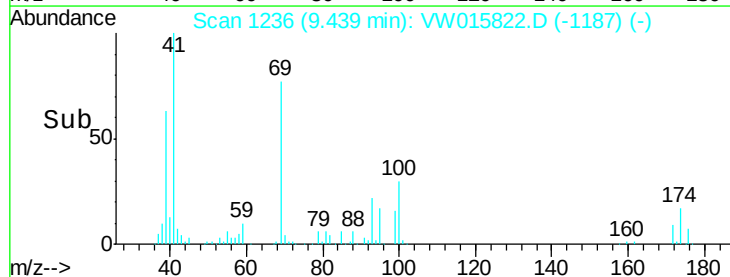
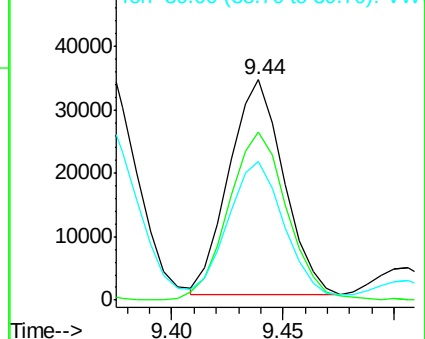
41 100

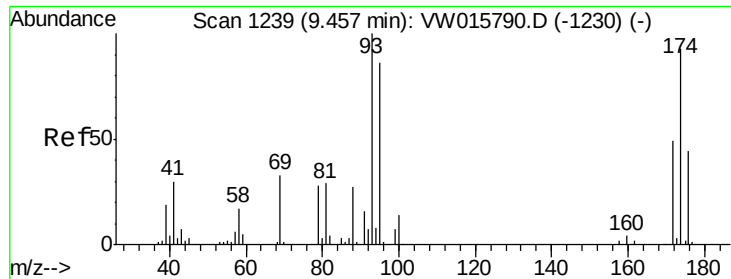
69 84.7 67.1 100.7

39 62.5 49.9 74.9



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

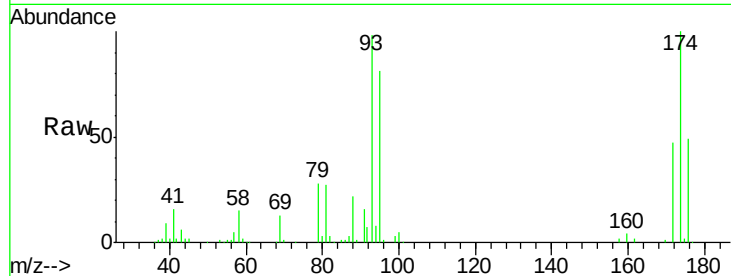




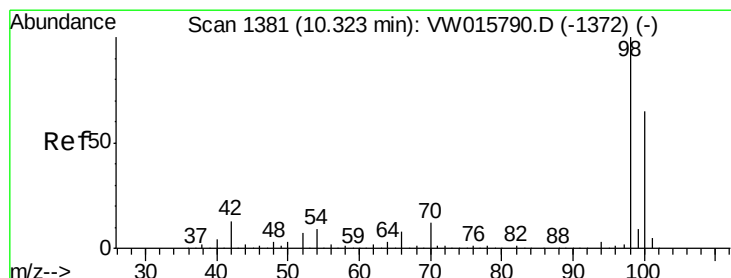
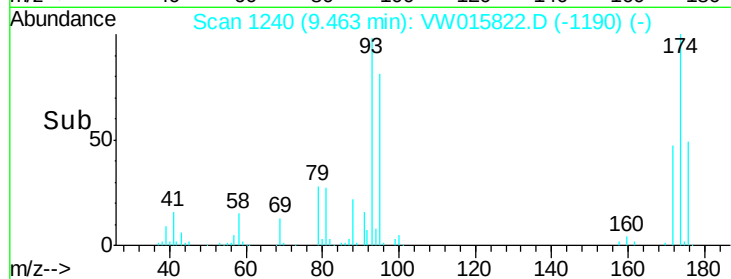
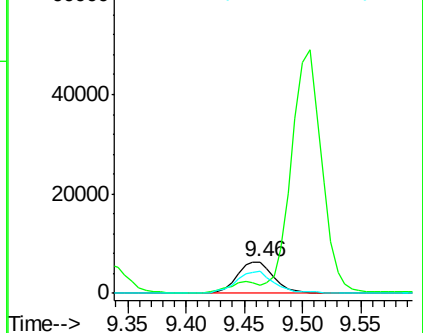
#49
1,4-Dioxane
Concen: 985.285 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 13895
Ion Ratio Lower Upper
88 100
43 29.8 28.1 42.1
58 74.1 59.3 88.9

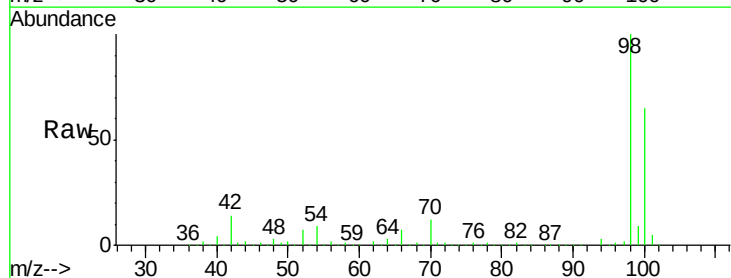


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

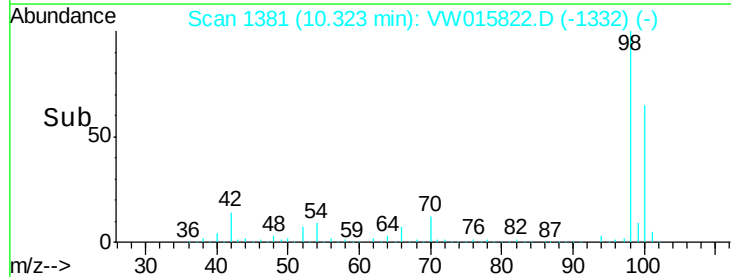
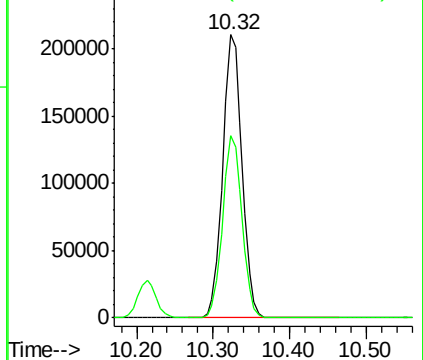


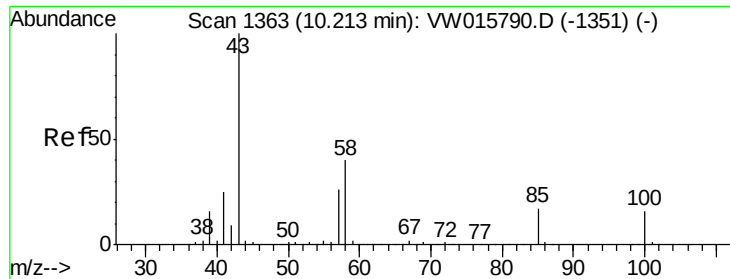
#50
Toluene-d8
Concen: 48.886 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 98 Resp: 365705
Ion Ratio Lower Upper
98 100
100 64.6 52.6 79.0



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: 244.059 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

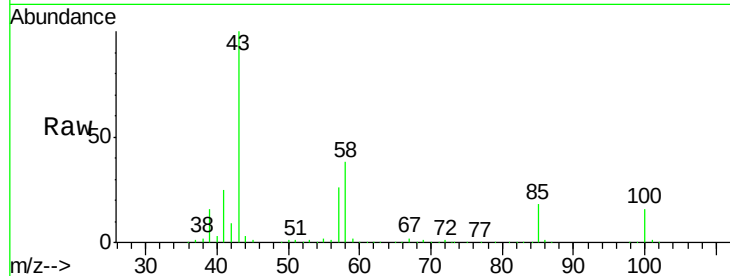
VSTDCCC050

Tot Ion: 43 Resp: 297236

Ion Ratio Lower Upper

43 100

58 38.8 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

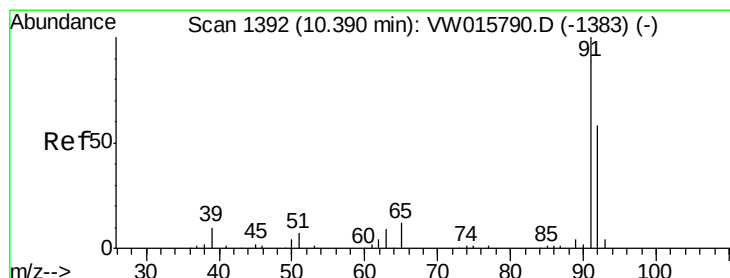
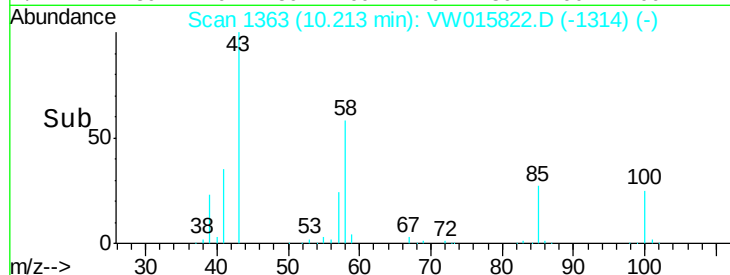
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 50.486 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015822.D

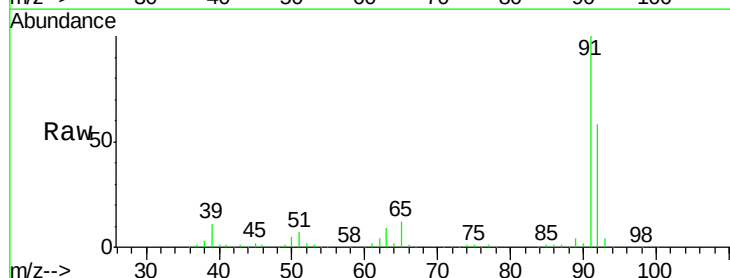
Acq: 09 Jul 2020 11:34

Tgt Ion: 92 Resp: 292852

Ion Ratio Lower Upper

92 100

91 172.5 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

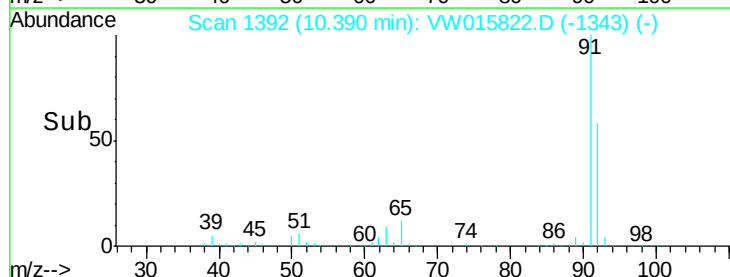
300000

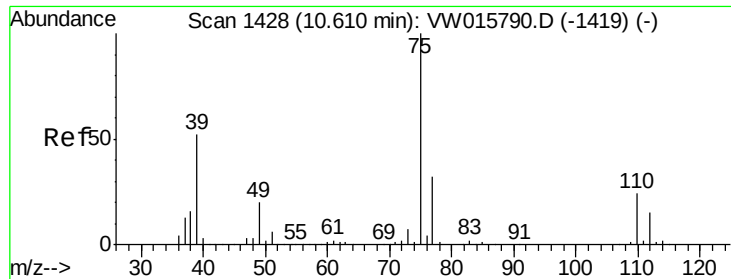
200000

100000

0

Time-->

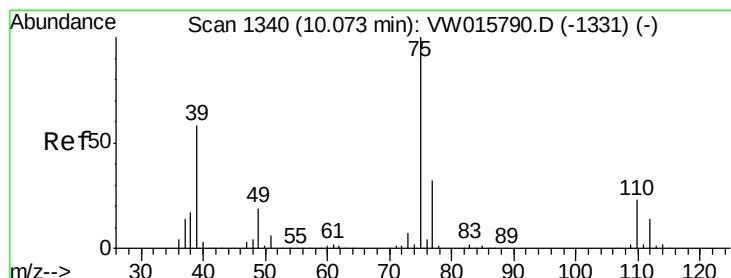
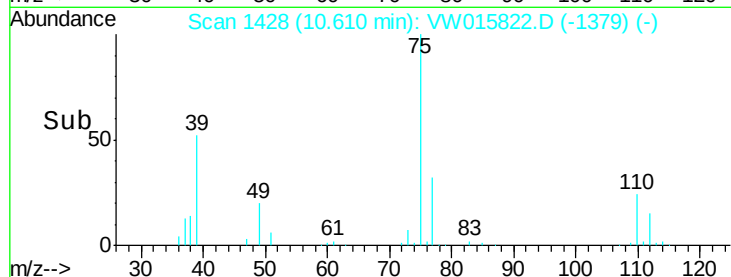
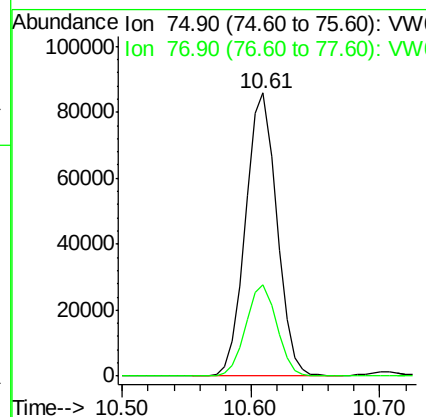
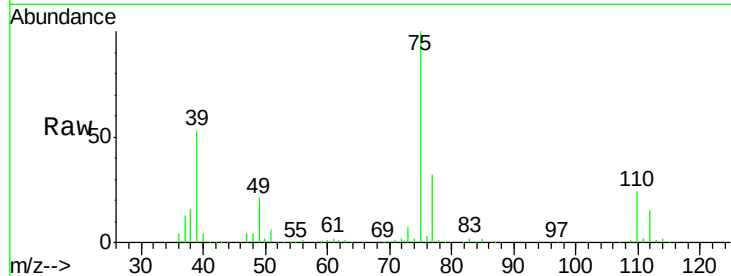




#53
 t-1,3-Dichloropropene
 Concen: 50.762 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

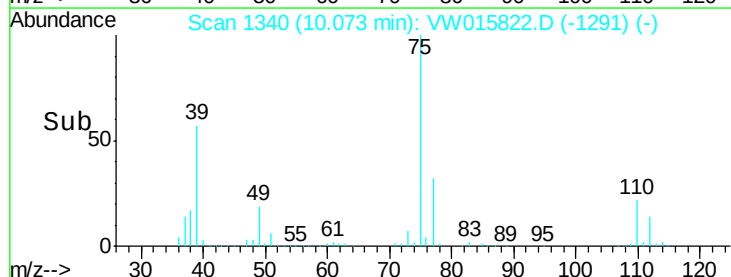
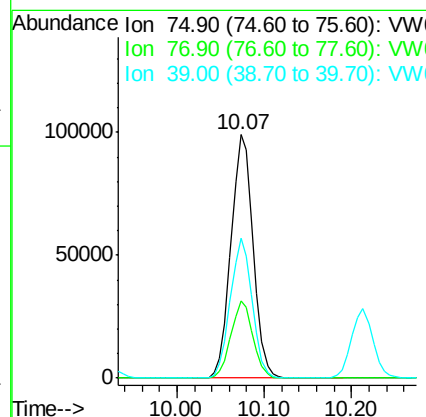
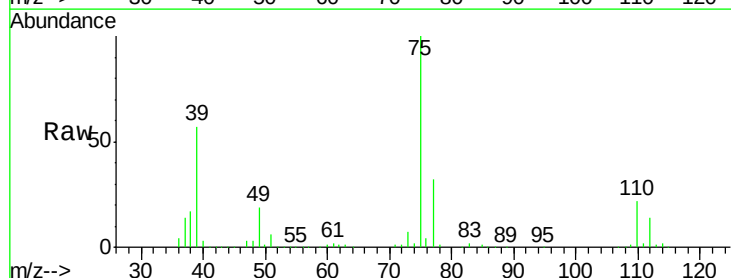
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

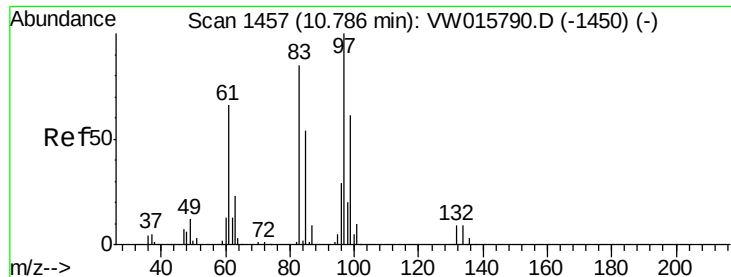
Tot Ion: 75 Resp: 143702
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.454 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

Tgt Ion: 75 Resp: 174240
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8
 39 57.2 46.0 69.0

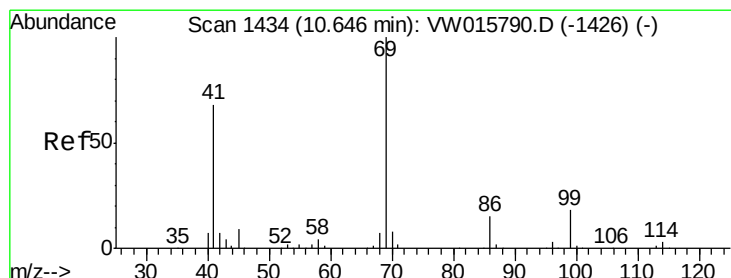
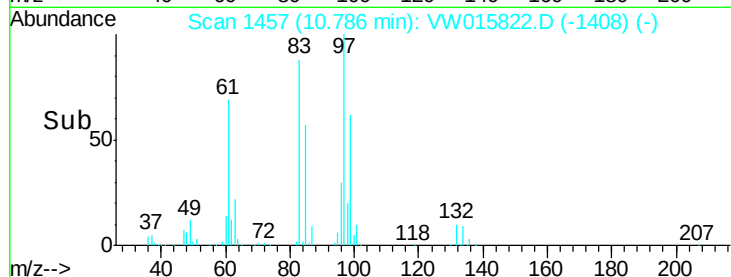
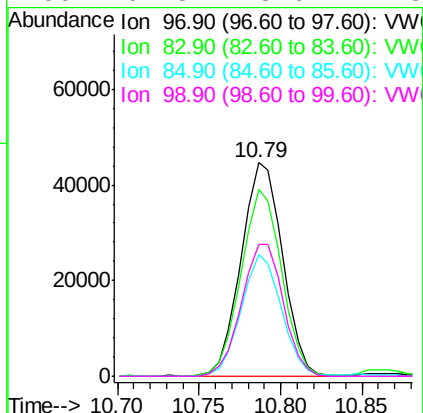
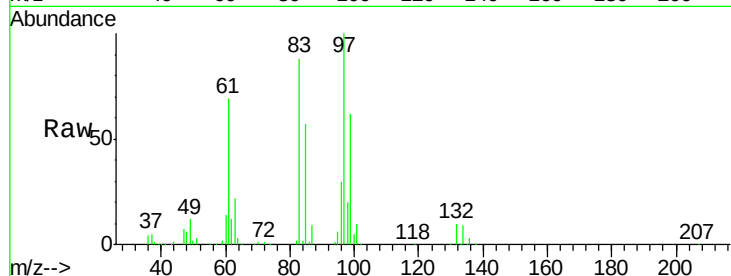




#55
 1,1,2-Trichloroethane
 Concen: 50.163 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

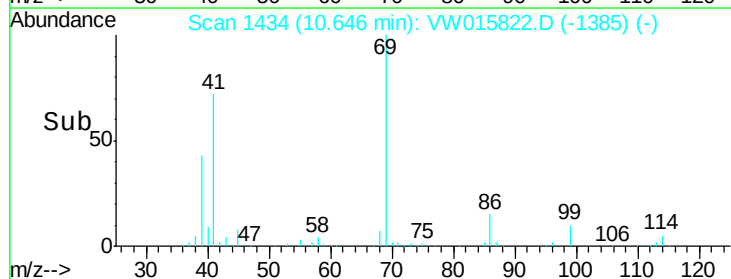
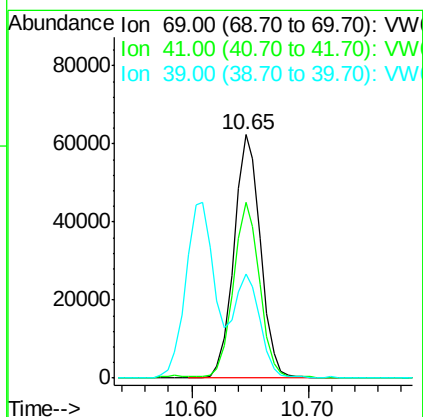
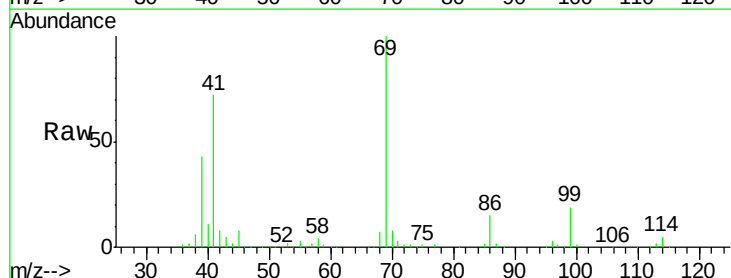
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

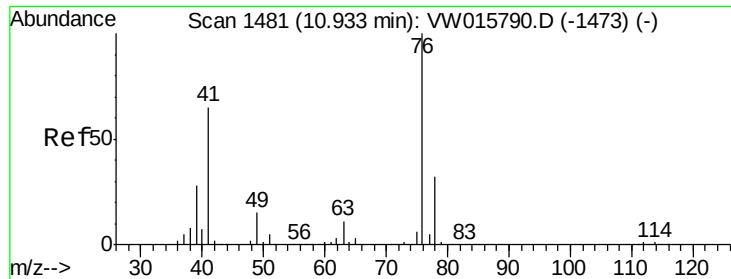
Tot Ion: 97 Resp: 79344
 Ion Ratio Lower Upper
 97 100
 83 87.5 68.2 102.4
 85 57.2 43.4 65.0
 99 61.8 48.6 72.8



#56
 Ethyl methacrylate
 Concen: 50.855 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

Tgt Ion: 69 Resp: 98893
 Ion Ratio Lower Upper
 69 100
 41 70.6 55.0 82.6
 39 41.2 33.8 50.8

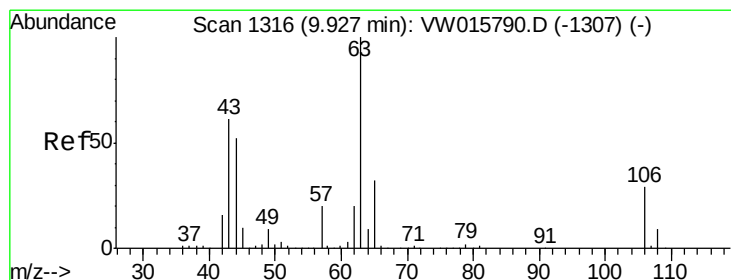
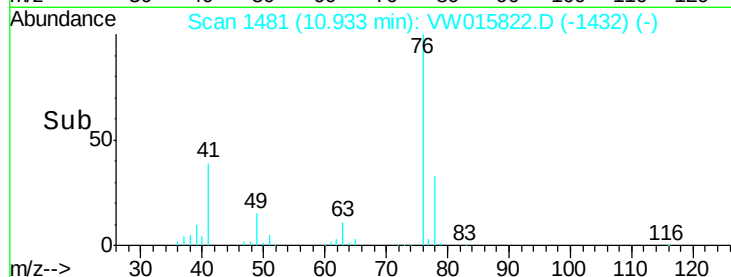
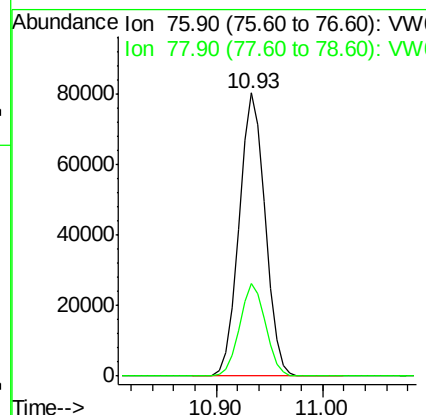
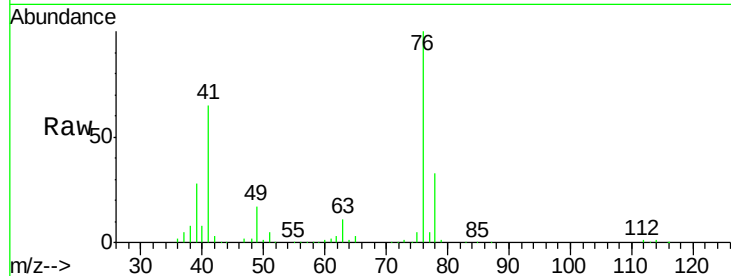




#57
 1,3-Dichloropropane
 Concen: 49.364 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

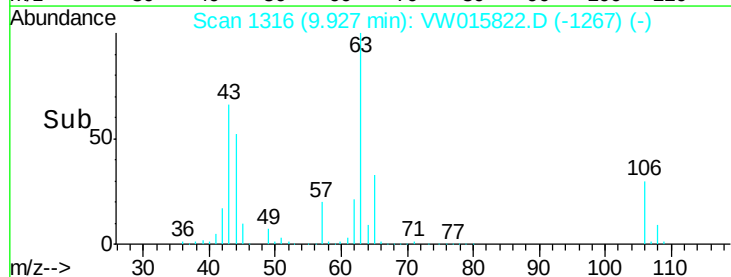
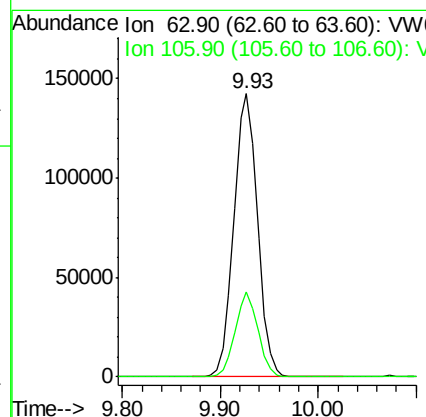
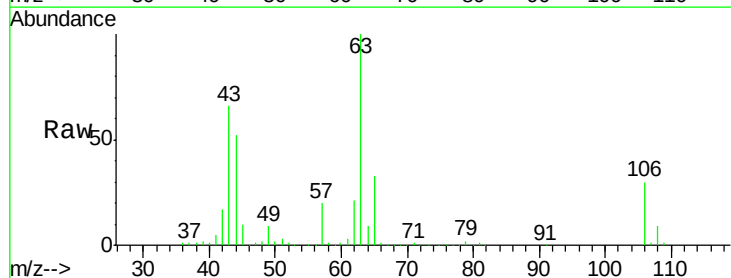
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

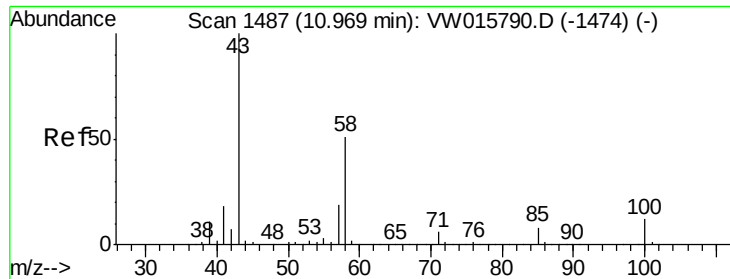
Tot Ion: 76 Resp: 138220
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.395 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

Tgt Ion: 63 Resp: 238866
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.1 34.7

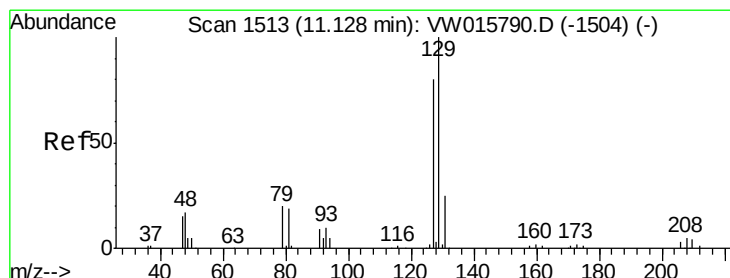
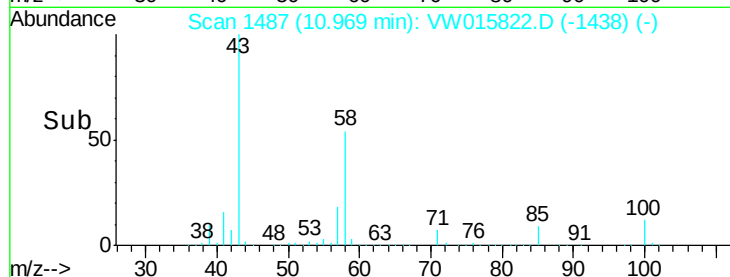
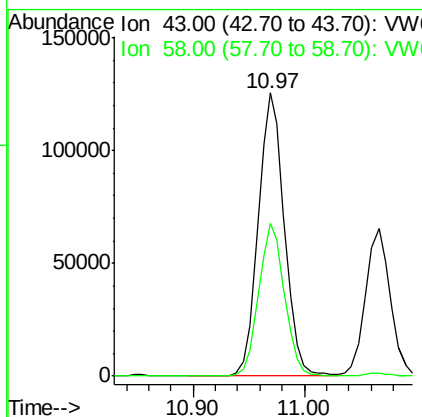
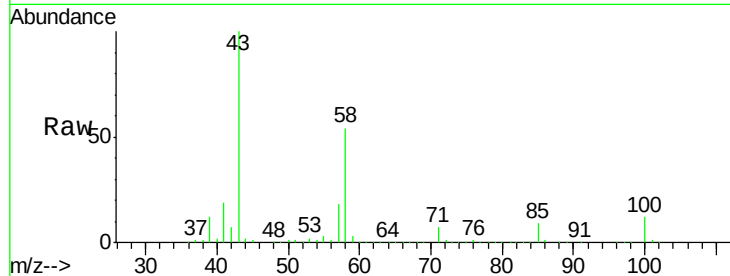




#59
2-Hexanone
Concen: 253.028 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

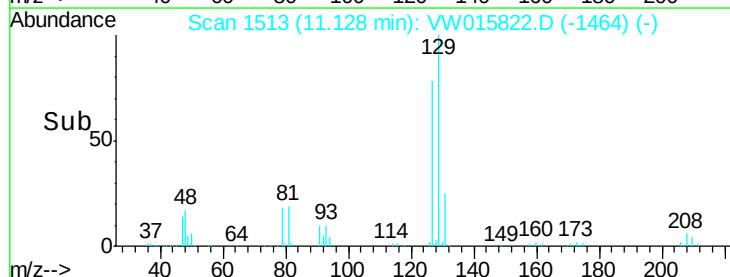
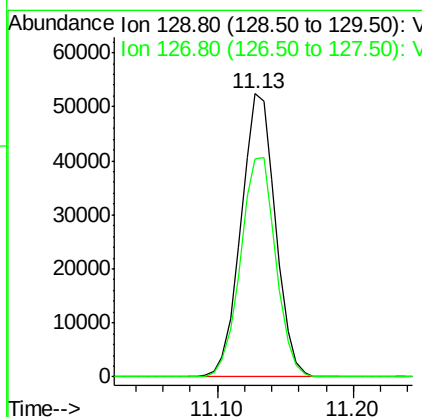
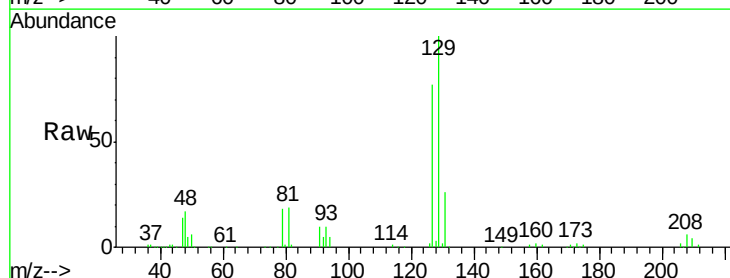
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

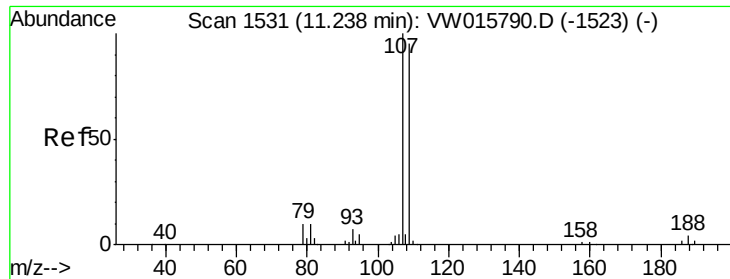
Tot Ion: 43 Resp: 205651
Ion Ratio Lower Upper
43 100
58 53.4 26.2 78.5



#60
Dibromochloromethane
Concen: 50.681 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 129 Resp: 92581
Ion Ratio Lower Upper
129 100
127 79.0 39.4 118.1

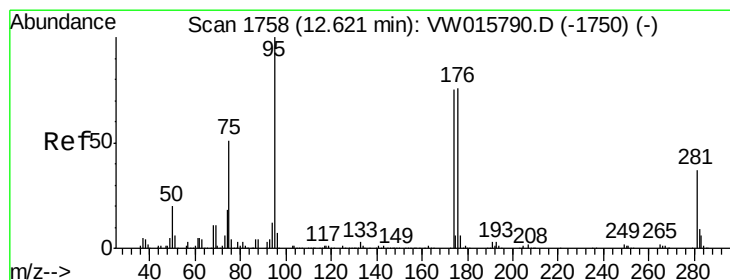
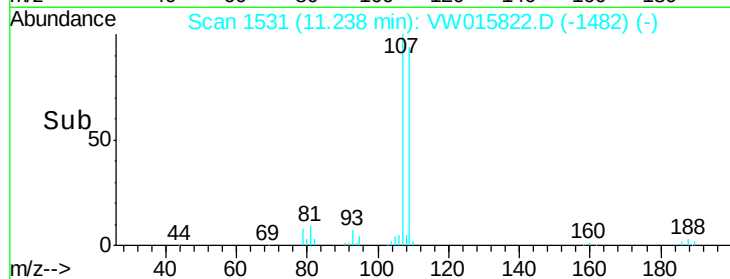
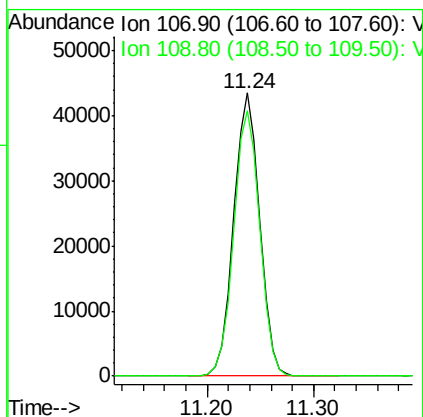
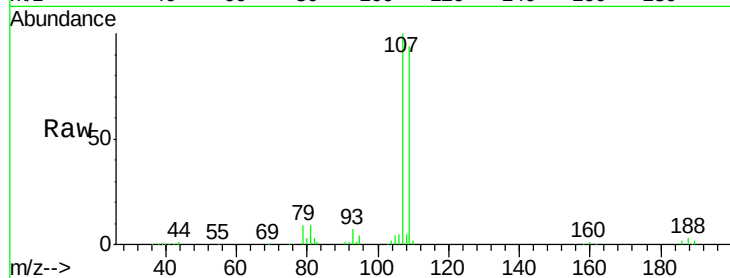




#61
 1,2-Dibromoethane
 Concen: 49.309 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

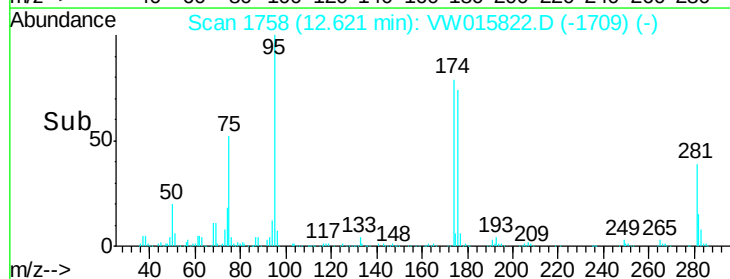
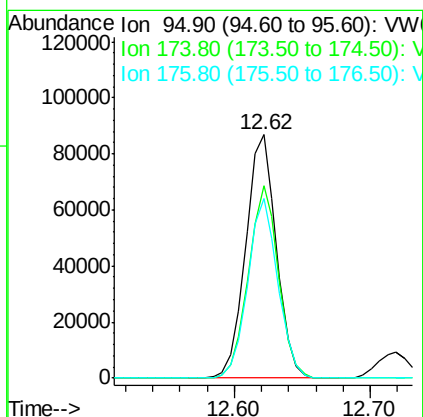
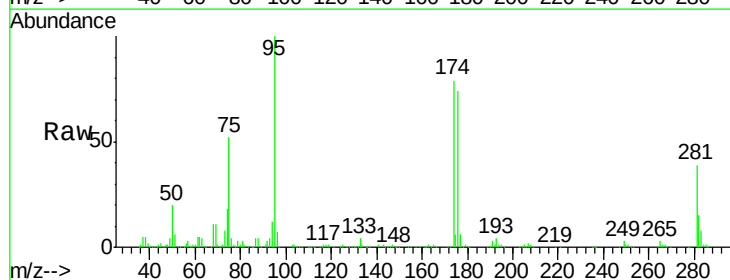
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

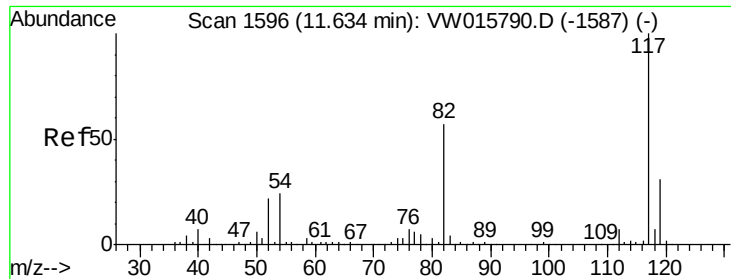
Tot Ion: 107 Resp: 74627
 Ion Ratio Lower Upper
 107 100
 109 94.1 77.0 115.6



#62
 4-Bromofluorobenzene
 Concen: 49.781 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

Tgt Ion: 95 Resp: 136652
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 150.2
 176 72.7 0.0 148.4

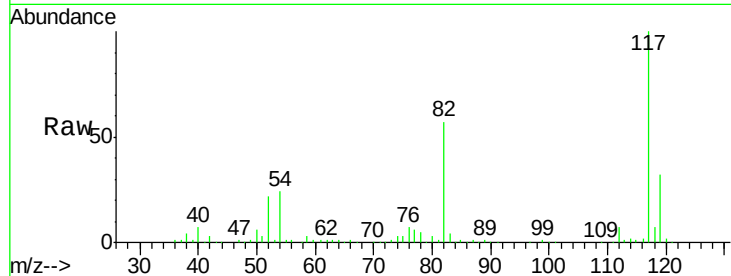




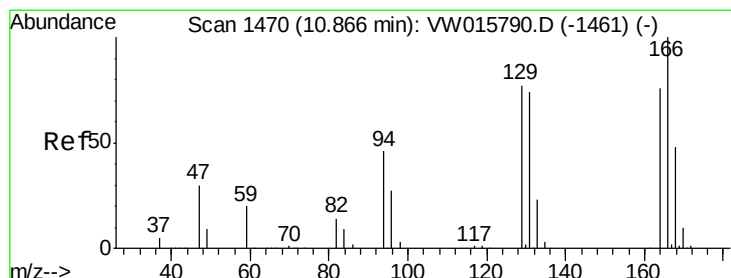
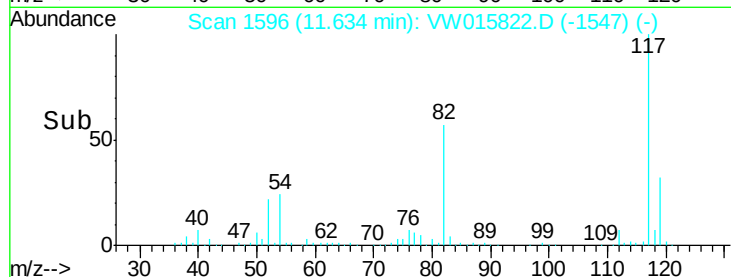
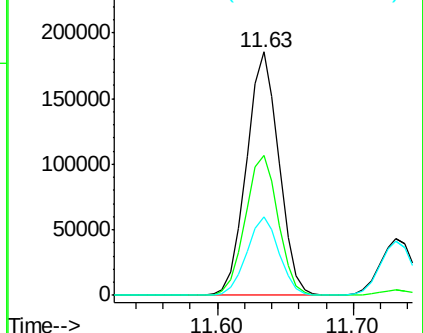
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 308432
Ion Ratio Lower Upper
117 100
82 57.5 45.5 68.3
119 32.3 25.0 37.6



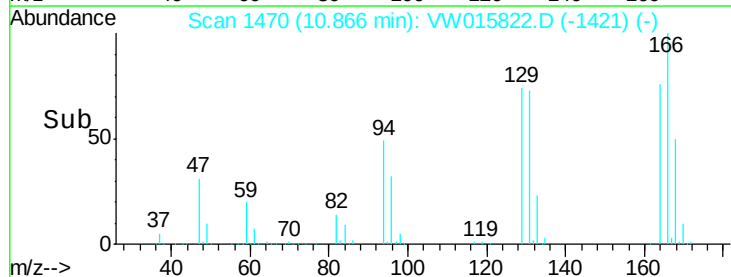
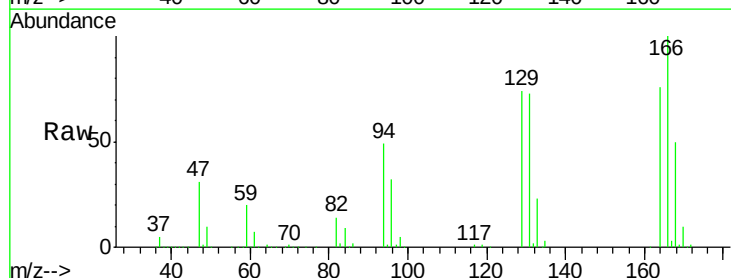
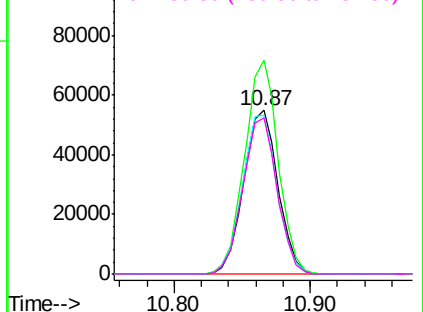
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

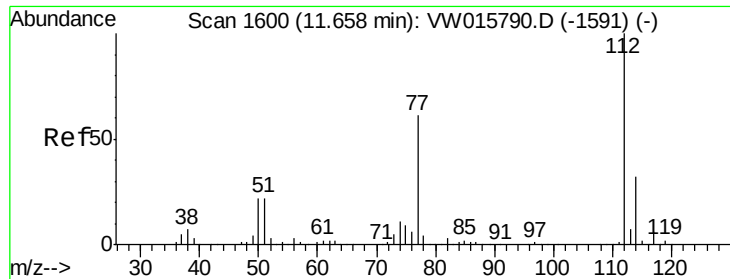


#64
Tetrachloroethene
Concen: 49.729 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion:164 Resp: 97065
Ion Ratio Lower Upper
164 100
166 130.8 105.1 157.7
129 97.0 80.6 121.0
131 96.0 77.8 116.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

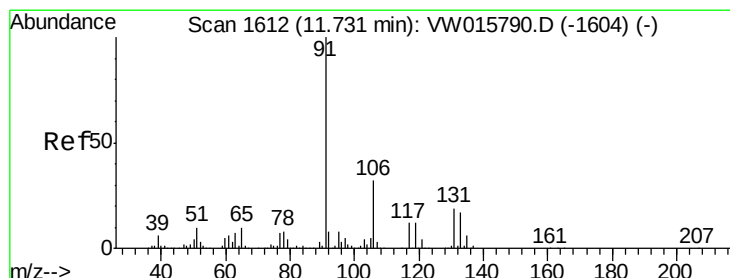
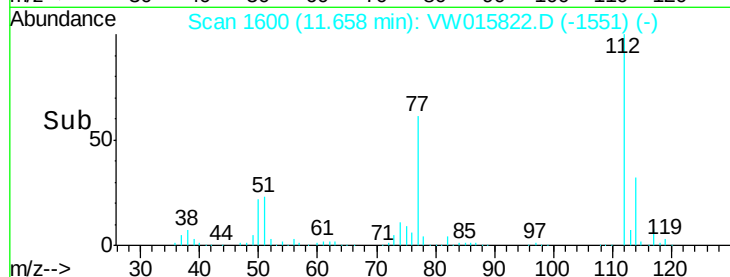
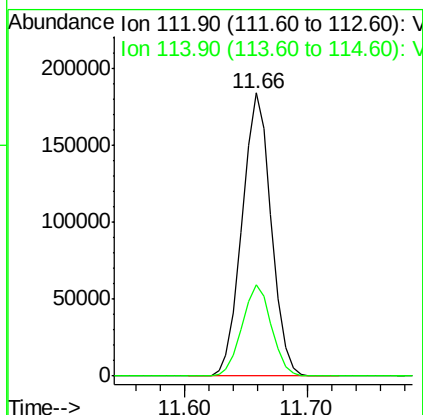
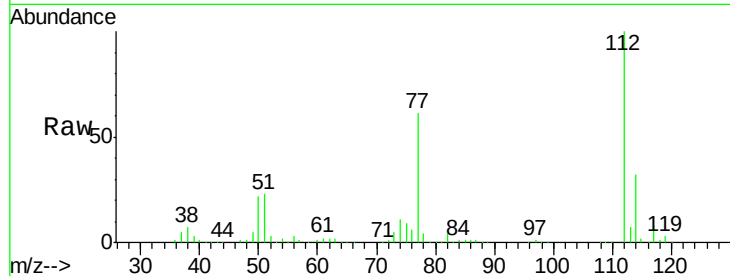




#65
Chlorobenzene
Concen: 50.198 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

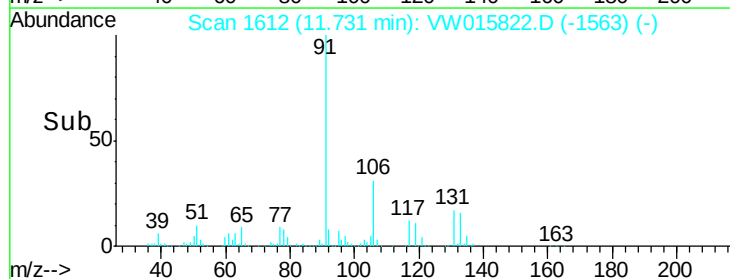
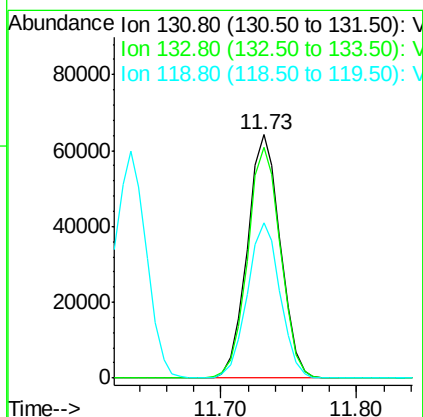
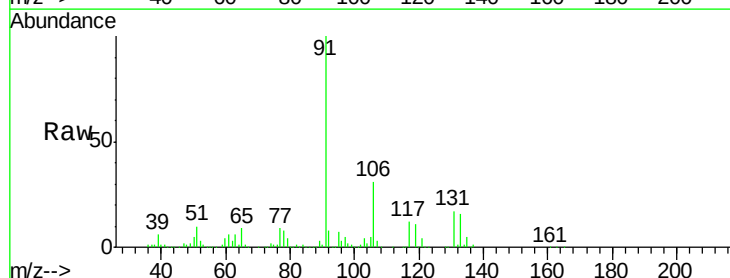
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

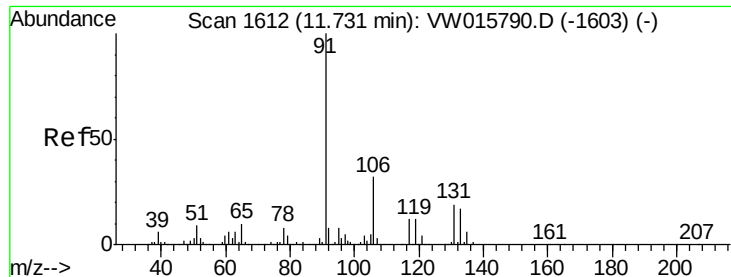
Tot Ion:112 Resp: 302781
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.048 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion:131 Resp: 108963
Ion Ratio Lower Upper
131 100
133 94.5 47.0 141.2
119 63.5 32.3 96.8

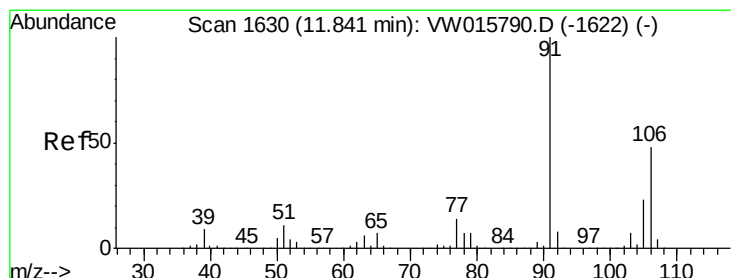
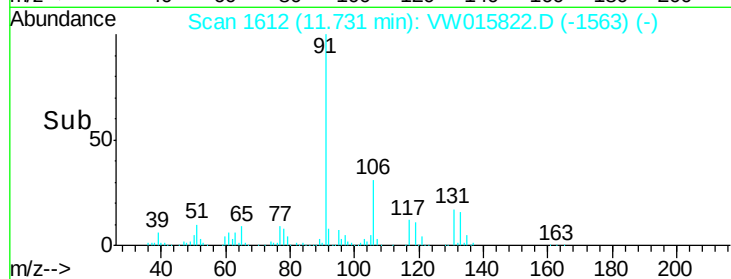
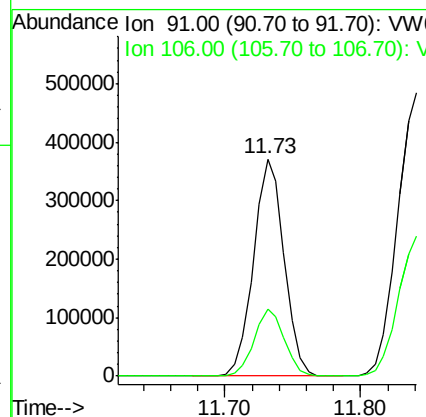
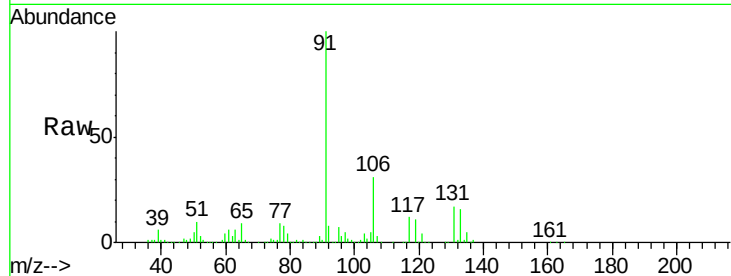




#67
Ethyl Benzene
Concen: 52.346 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

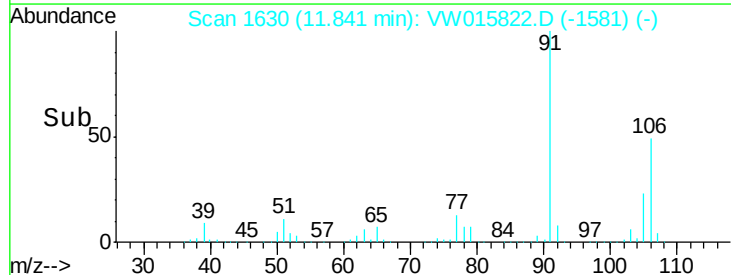
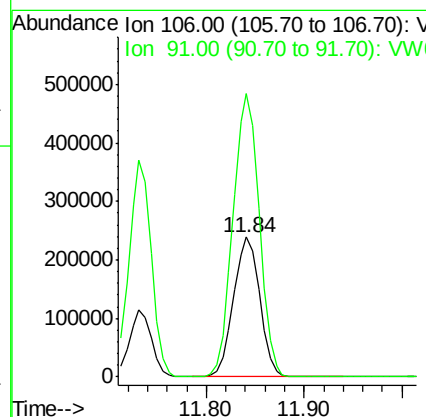
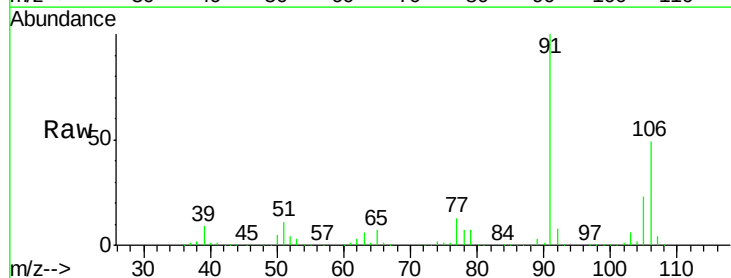
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

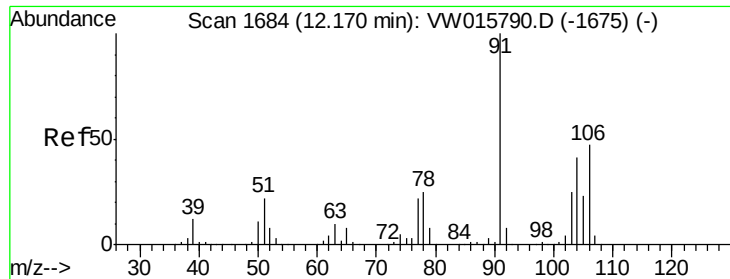
Tot Ion: 91 Resp: 584702
Ion Ratio Lower Upper
91 100
106 30.7 25.8 38.8



#68
m/p-Xylenes
Concen: 105.623 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 106 Resp: 443194
Ion Ratio Lower Upper
106 100
91 203.3 164.1 246.1

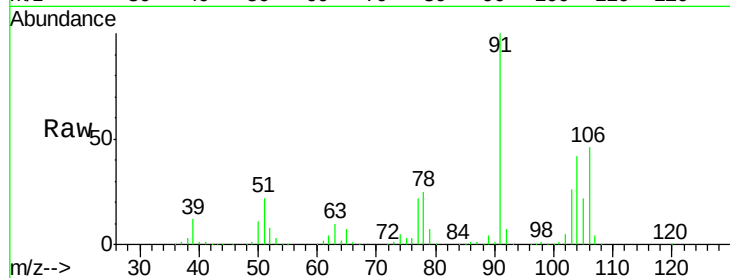




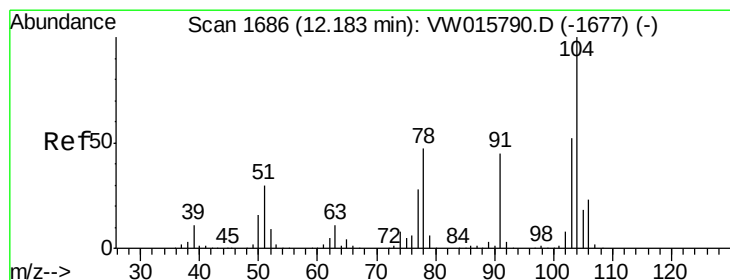
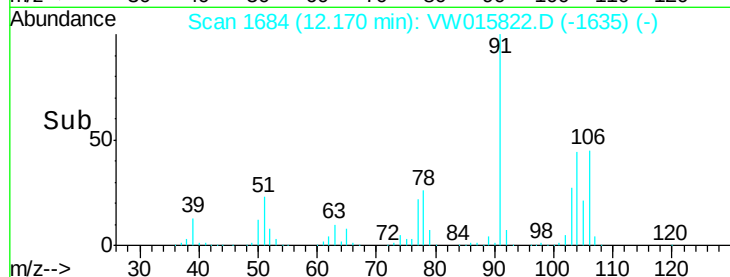
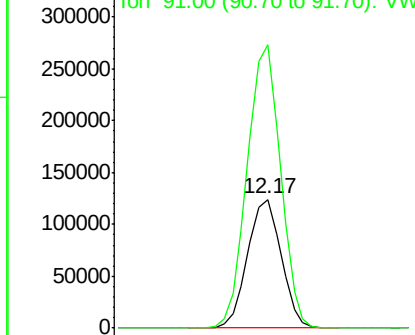
#69
o-Xylene
Concen: 52.297 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 200302
Ion Ratio Lower Upper
106 100
91 218.4 108.5 325.3

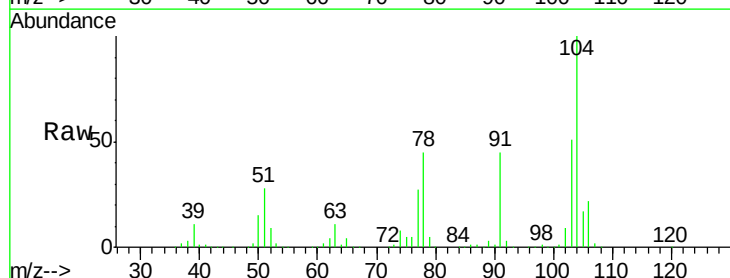


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

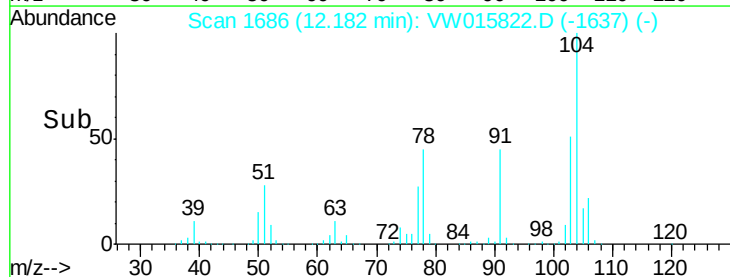
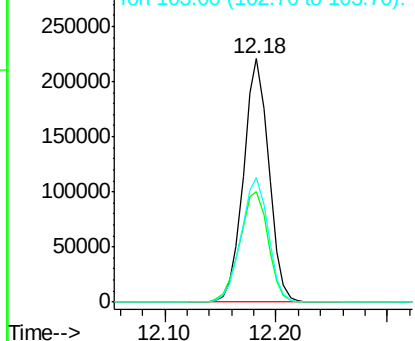


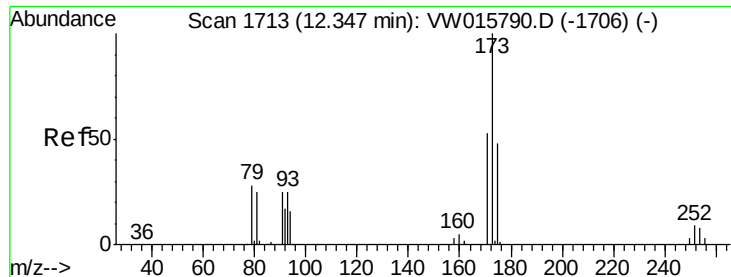
#70
Styrene
Concen: 52.736 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion:104 Resp: 347546
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 55.1 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.686 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

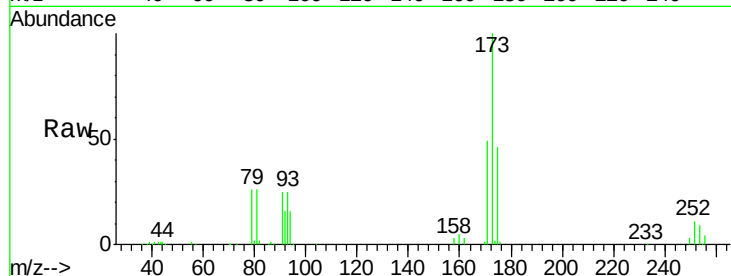
Tot Ion:173 Resp: 49382

Ion Ratio Lower Upper

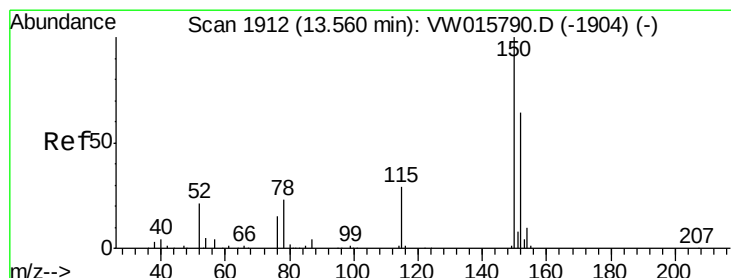
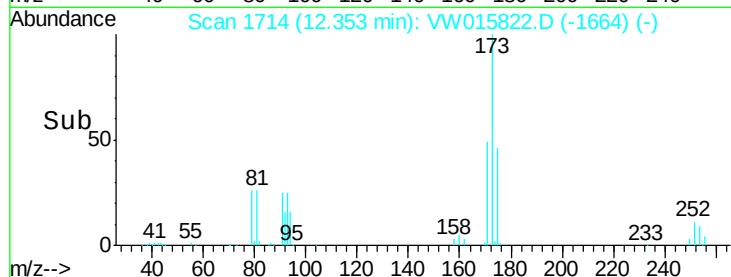
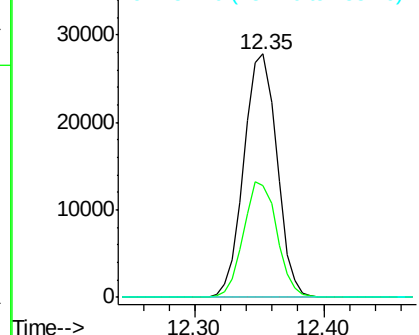
173 100

175 47.9 23.5 70.5

254 0.2 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

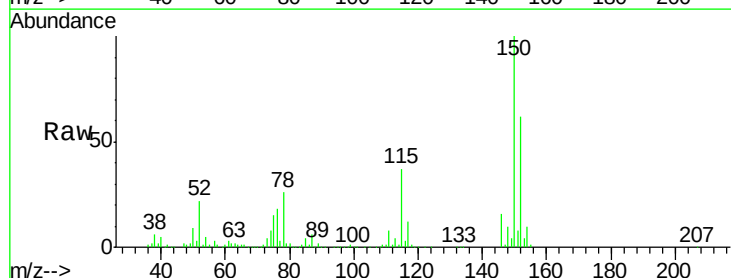
Tgt Ion:152 Resp: 155784

Ion Ratio Lower Upper

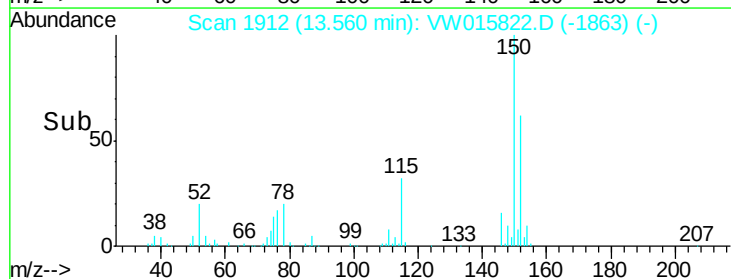
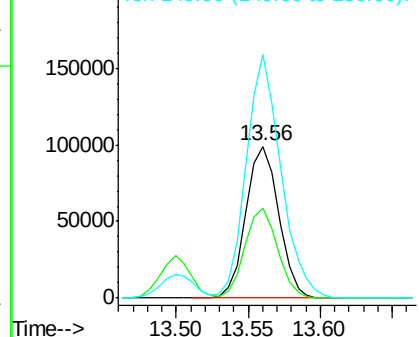
152 100

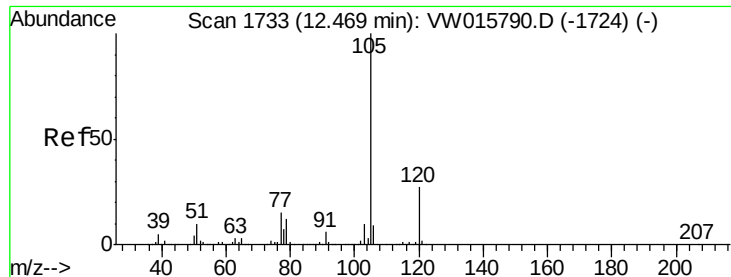
115 59.2 29.9 89.7

150 170.0 0.0 350.8



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





#73

Isopropylbenzene

Concen: 51.794 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

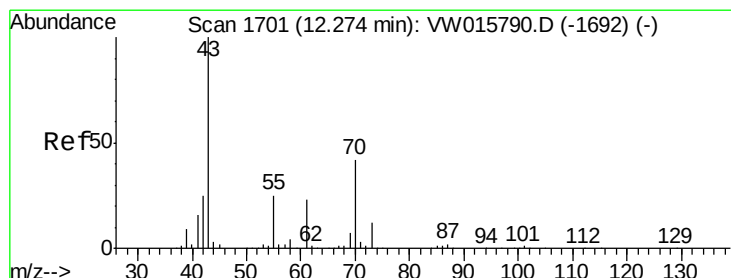
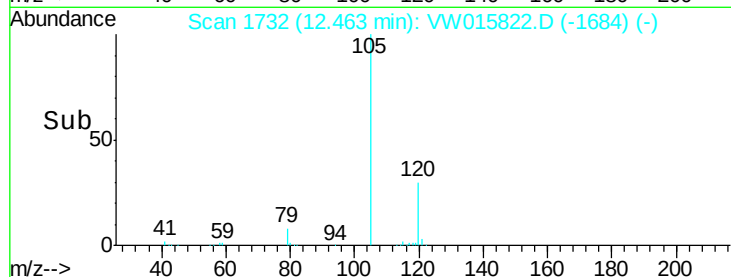
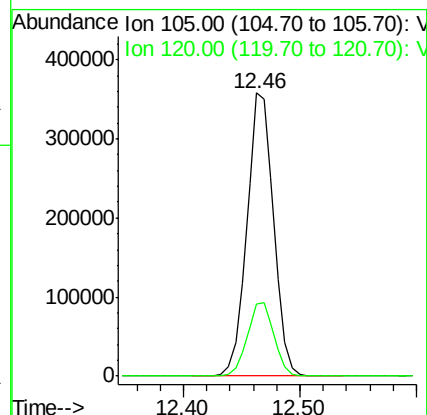
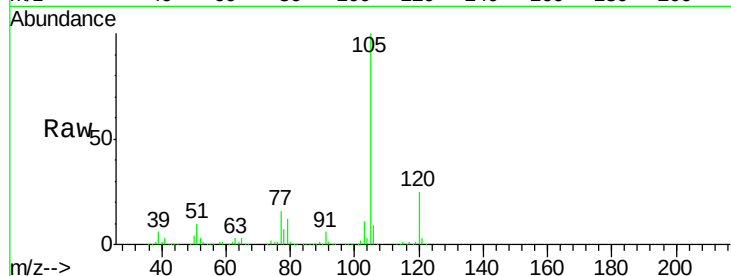
VSTDCCC050

Tot Ion:105 Resp: 568435

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 49.386 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Tgt Ion: 43 Resp: 115959

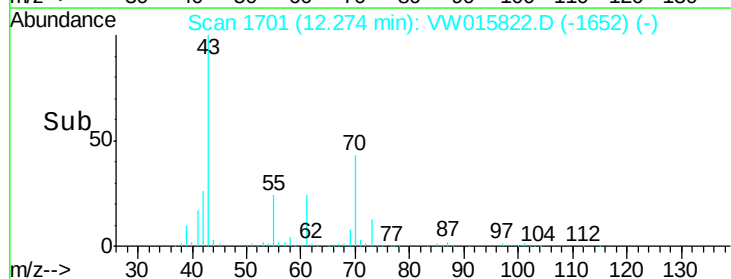
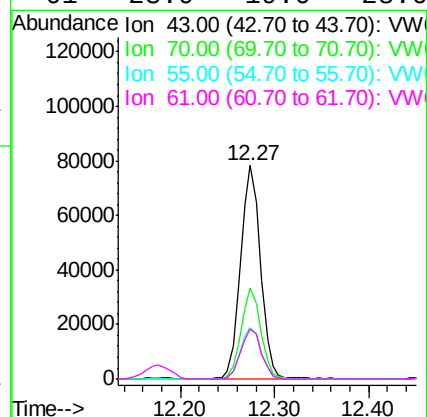
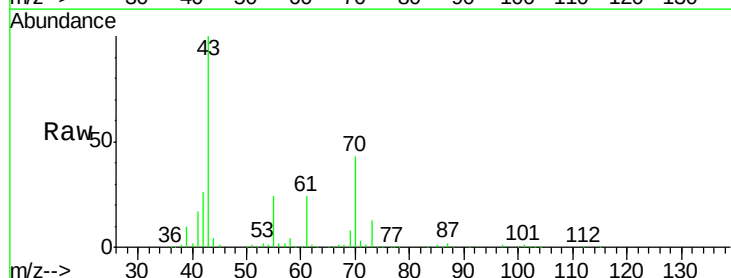
Ion Ratio Lower Upper

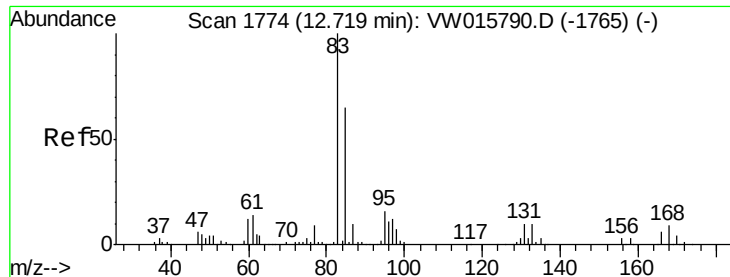
43 100

70 41.6 34.1 51.1

55 25.3 20.0 30.0

61 23.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.866 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

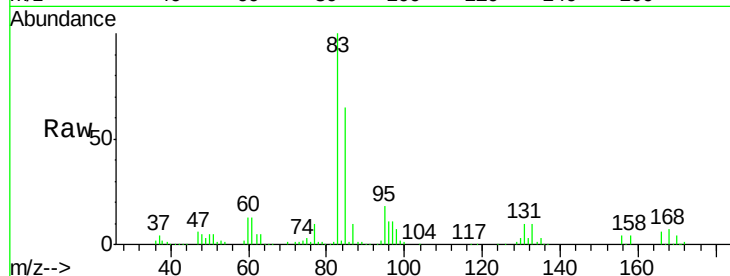
Tot Ion: 83 Resp: 89110

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

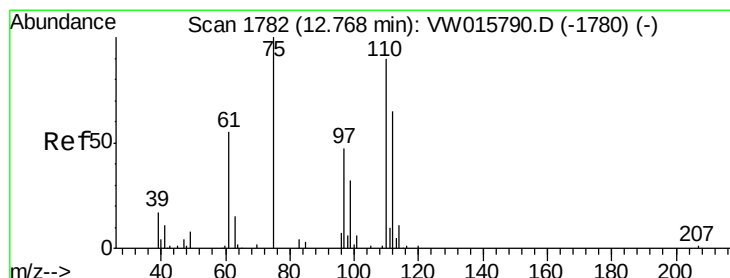
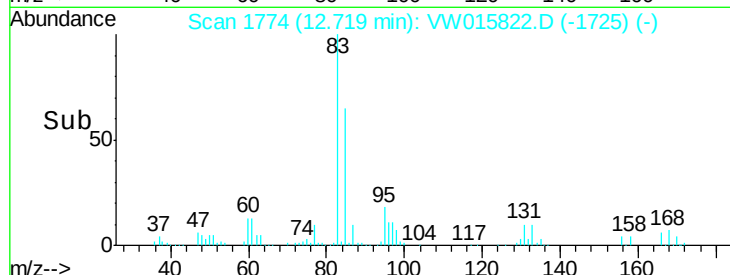
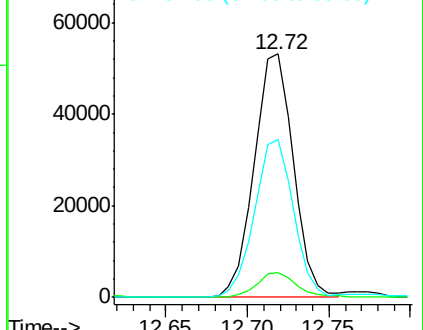
85 64.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 84.180 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015822.D

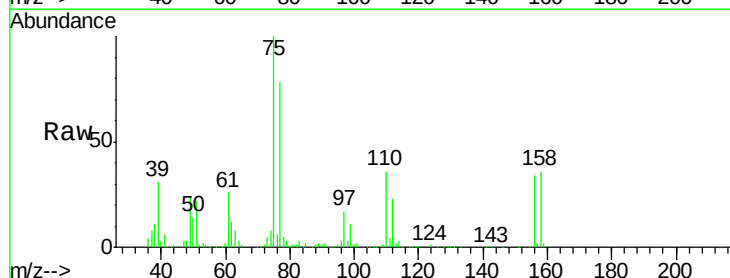
Acq: 09 Jul 2020 11:34

Tgt Ion: 75 Resp: 115254

Ion Ratio Lower Upper

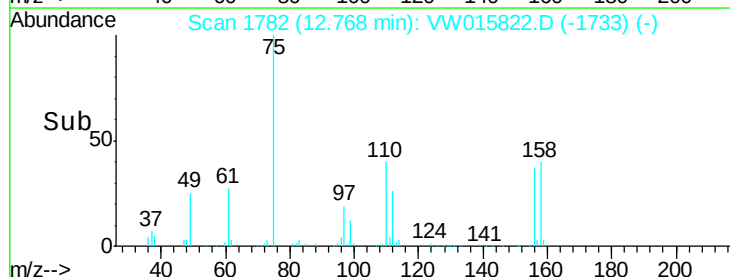
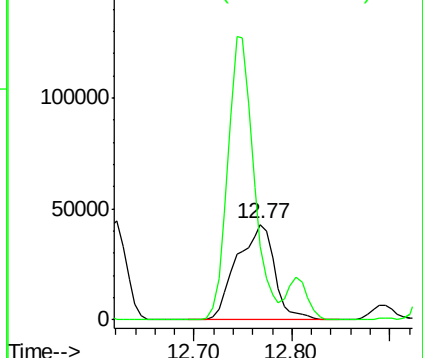
75 100

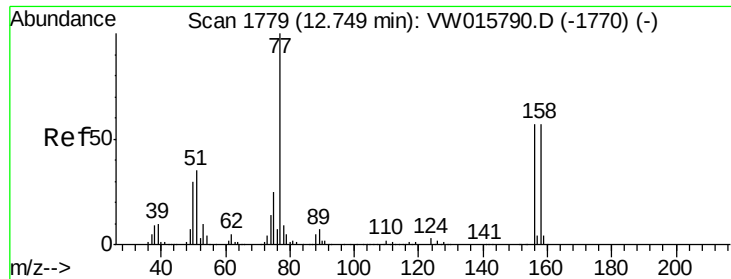
77 0.0 177.3 532.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

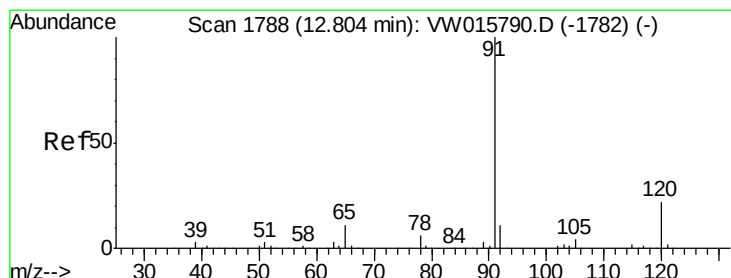
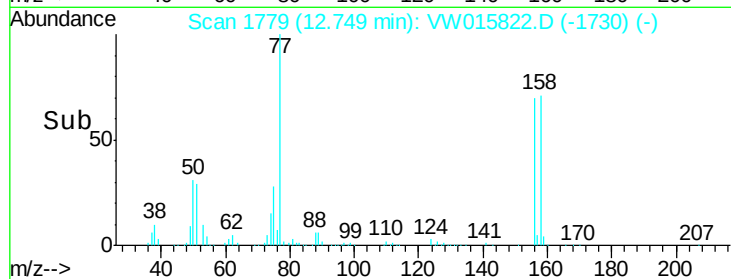
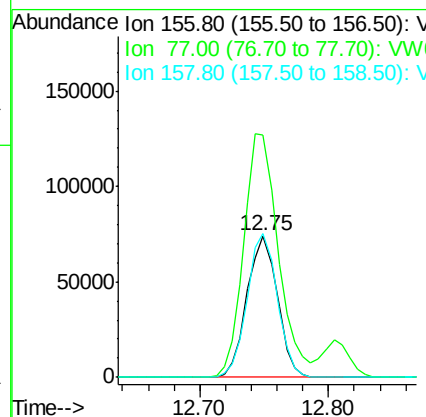
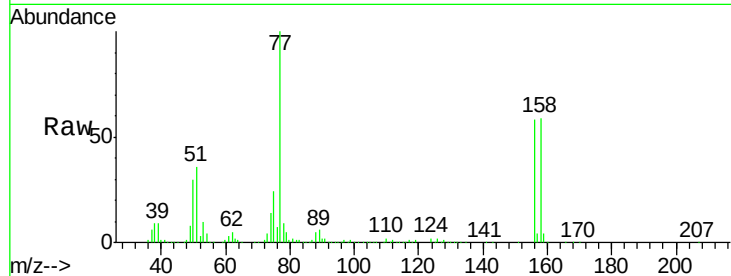




#77
Bromobenzene
Concen: 49.304 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

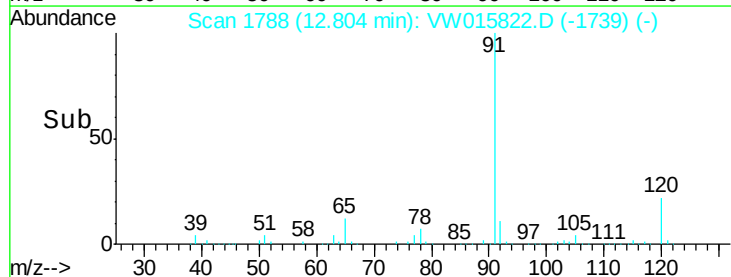
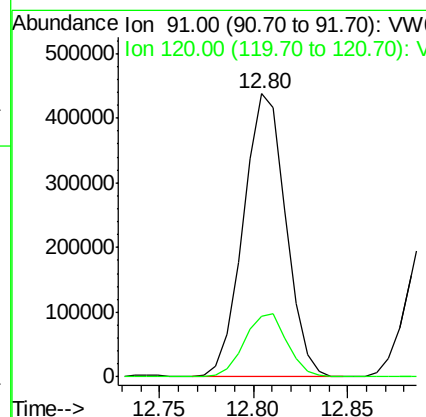
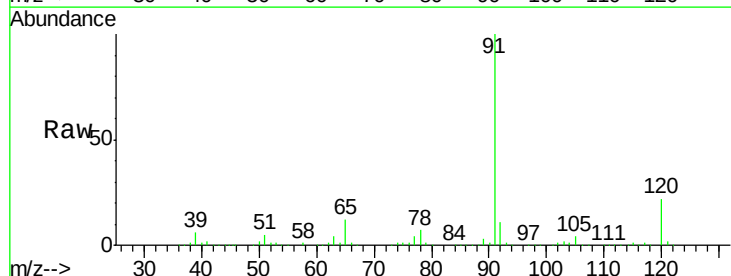
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

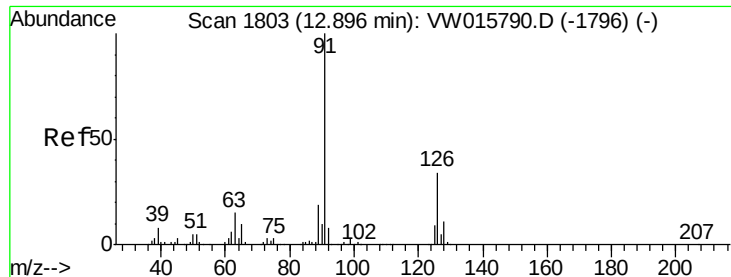
Tot Ion:156 Resp: 121331
Ion Ratio Lower Upper
156 100
77 195.4 98.8 296.4
158 100.0 50.0 149.8



#78
n-propylbenzene
Concen: 51.199 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion: 91 Resp: 682030
Ion Ratio Lower Upper
91 100
120 22.5 11.2 33.6





#79

2-Chlorotoluene

Concen: 50.558 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

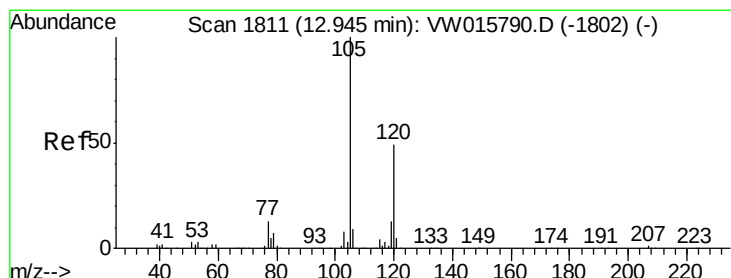
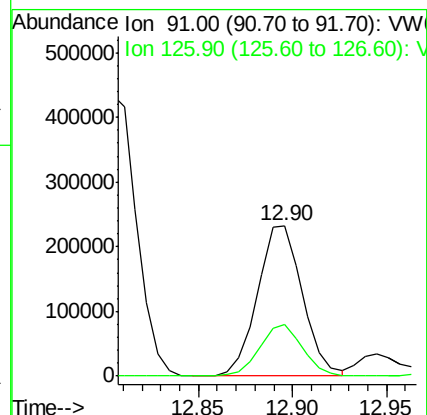
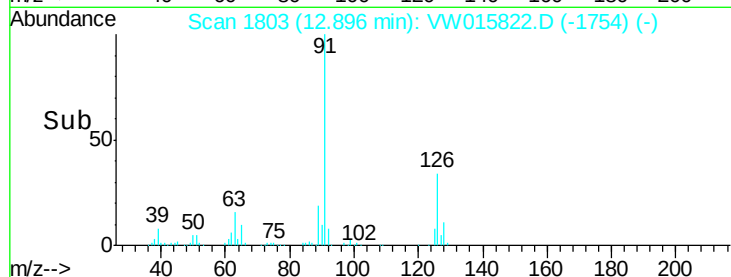
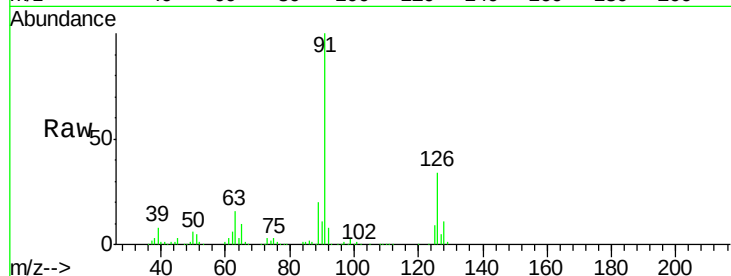
VSTDCCC050

Tot Ion: 91 Resp: 384072

Ion Ratio Lower Upper

91 100

126 32.5 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 51.948 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015822.D

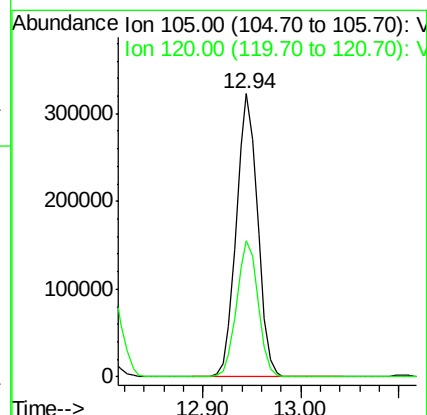
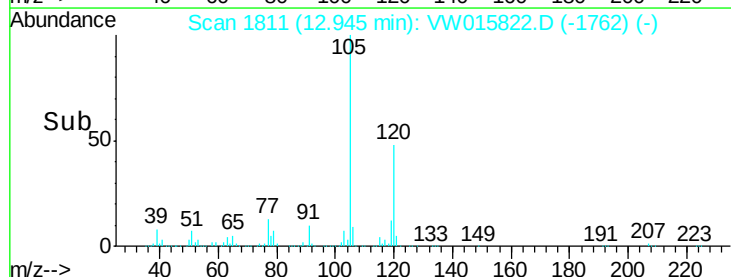
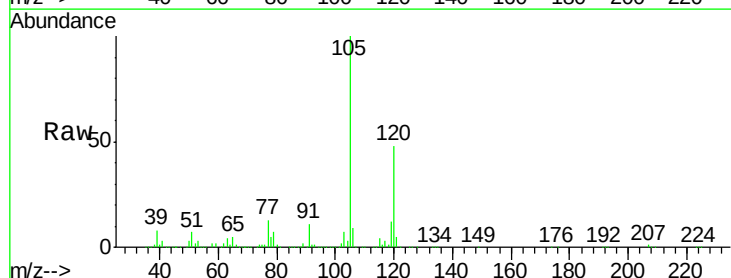
Acq: 09 Jul 2020 11:34

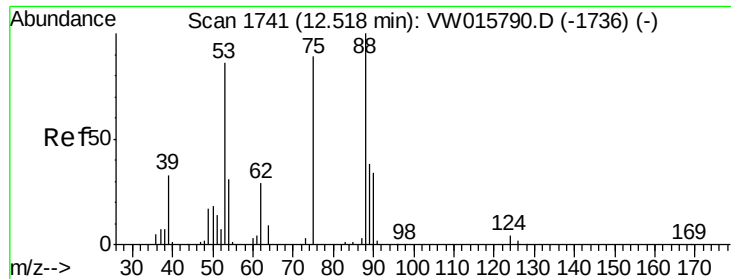
Tgt Ion:105 Resp: 485921

Ion Ratio Lower Upper

105 100

120 48.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 43.746 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

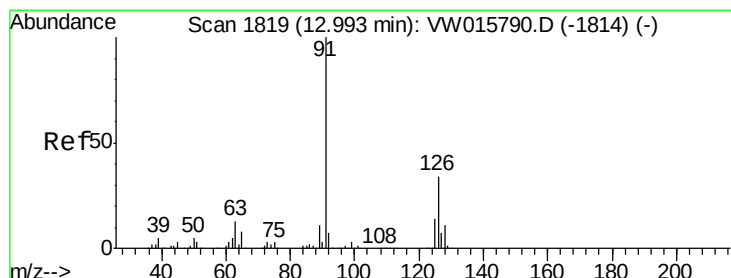
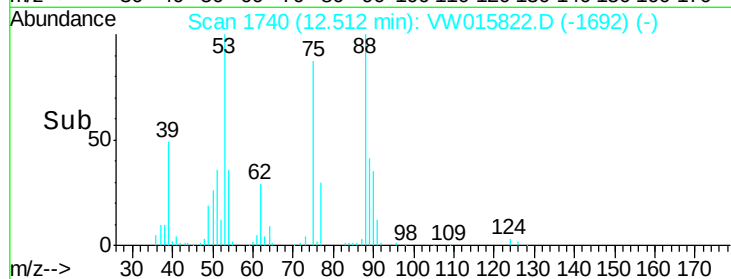
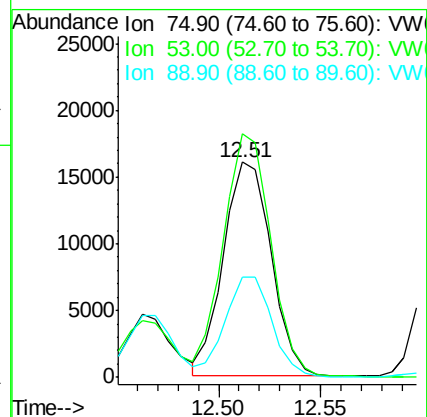
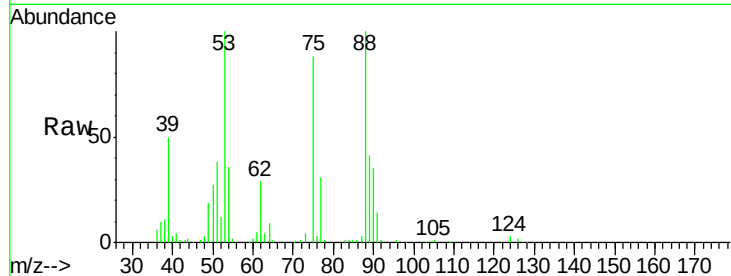
Tot Ion: 75 Resp: 26110

Ion Ratio Lower Upper

75 100

53 113.6 85.9 128.9

89 46.2 36.2 54.4



#82

4-Chlorotoluene

Concen: 51.070 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW015822.D

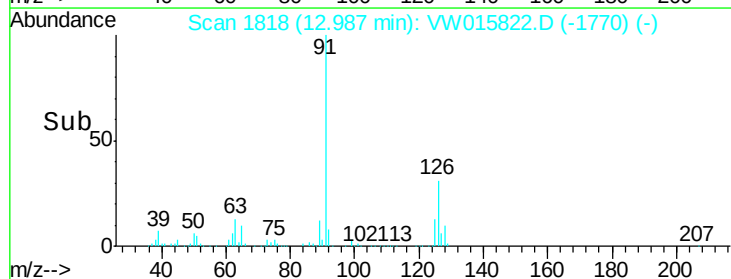
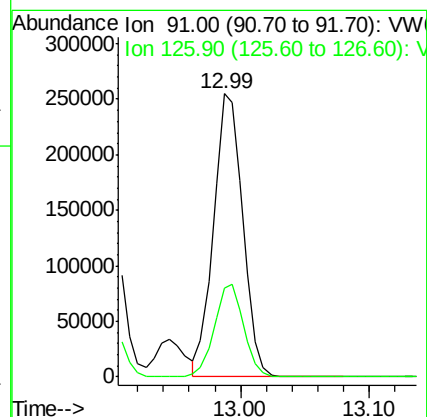
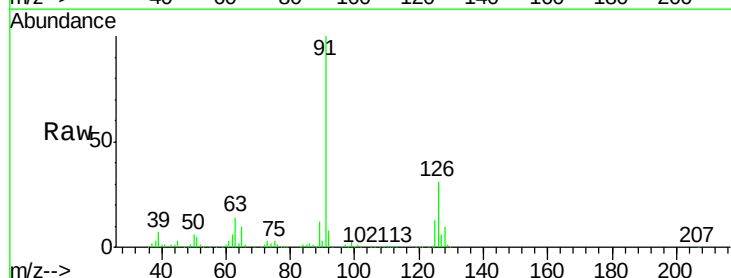
Acq: 09 Jul 2020 11:34

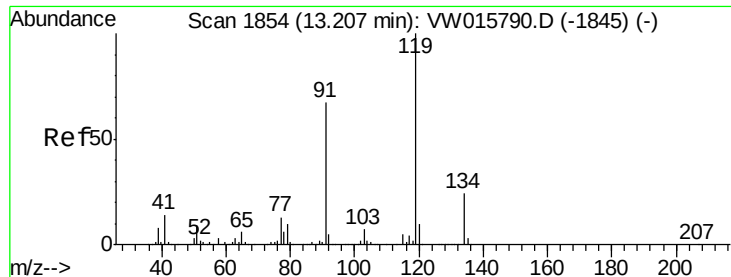
Tgt Ion: 91 Resp: 405138

Ion Ratio Lower Upper

91 100

126 32.7 16.3 48.9

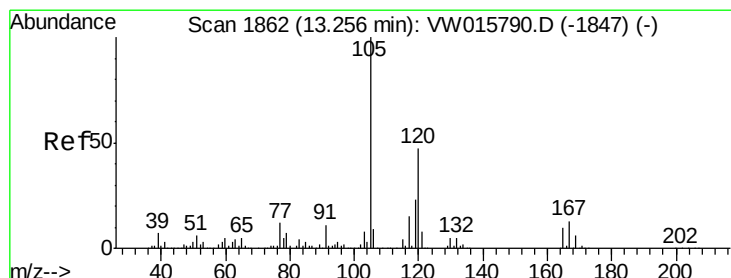
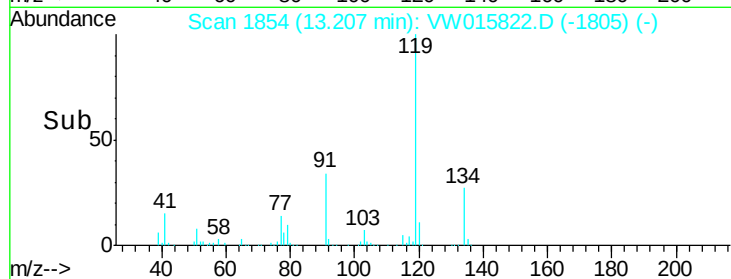
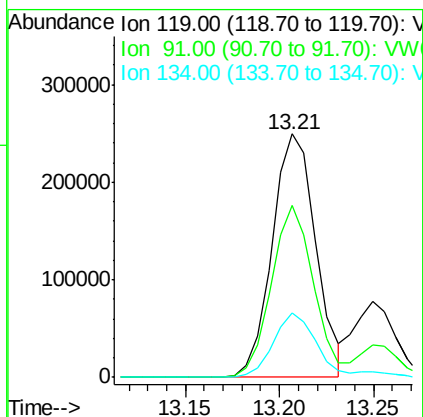
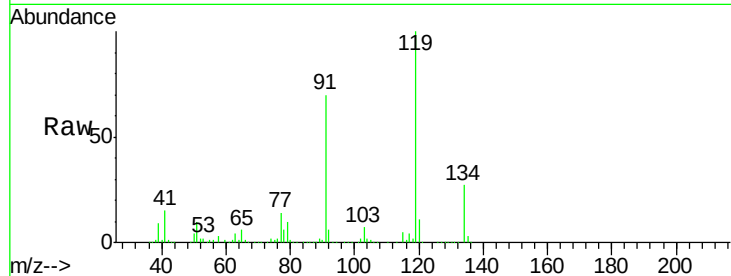




#83
 tert-Butylbenzene
 Concen: 51.526 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

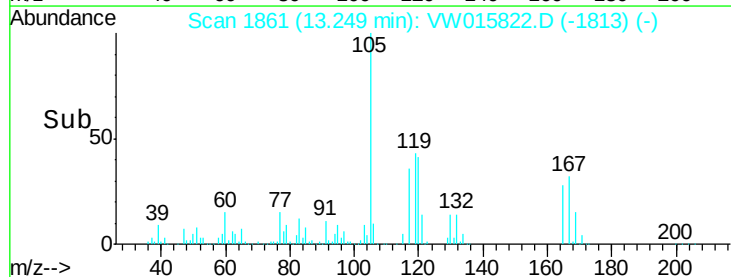
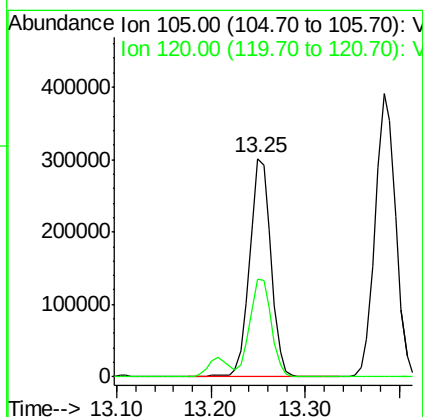
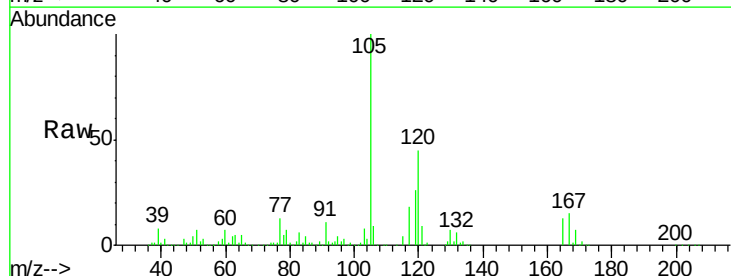
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

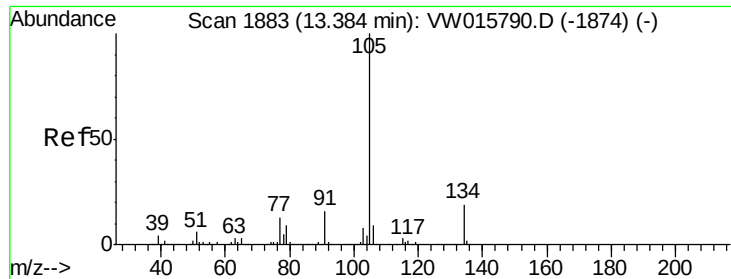
Tot Ion:119 Resp: 400124
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.4 103.3
 134 27.6 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.216 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

Tgt Ion:105 Resp: 478426
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 52.329 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

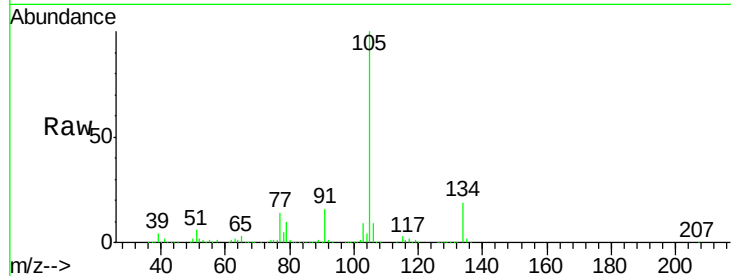
VSTDCCC050

Tot Ion:105 Resp: 586868

Ion Ratio Lower Upper

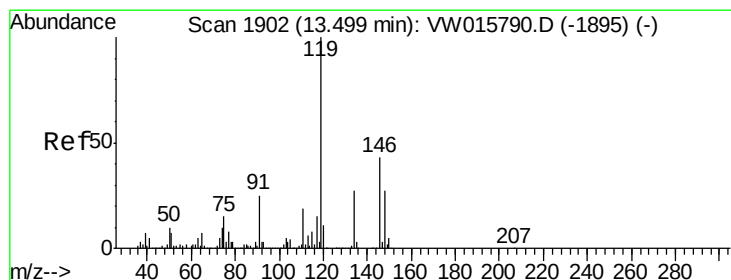
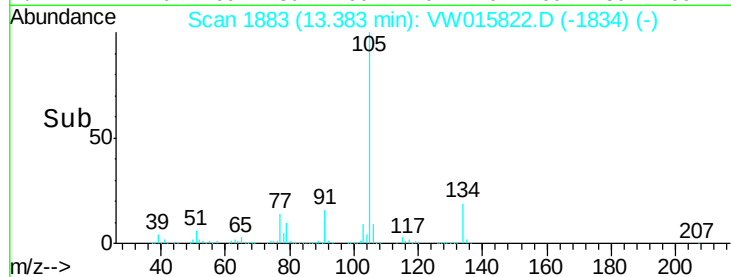
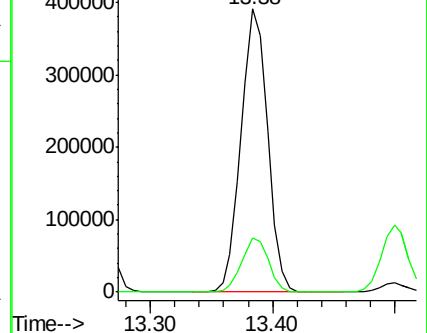
105 100

134 19.4 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.857 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

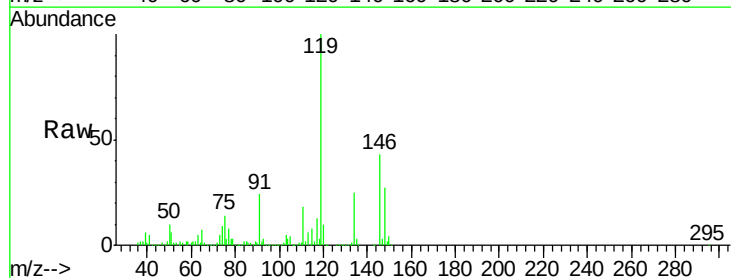
Tgt Ion:119 Resp: 531065

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

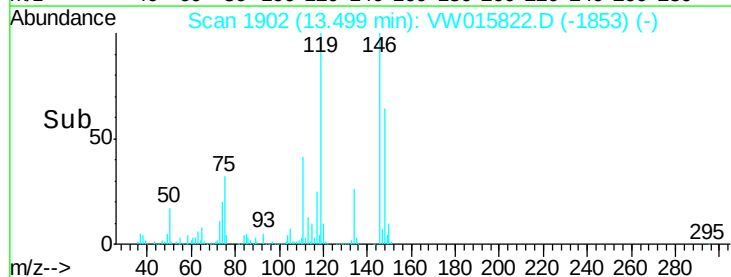
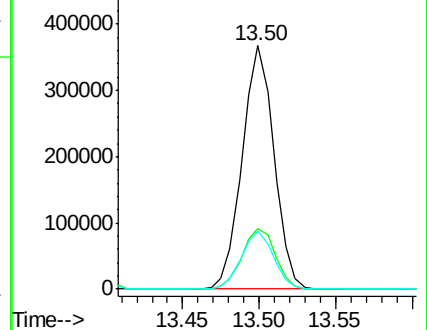
91 24.1 12.2 36.6

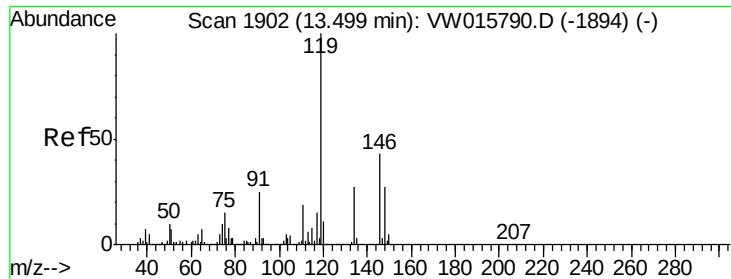


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

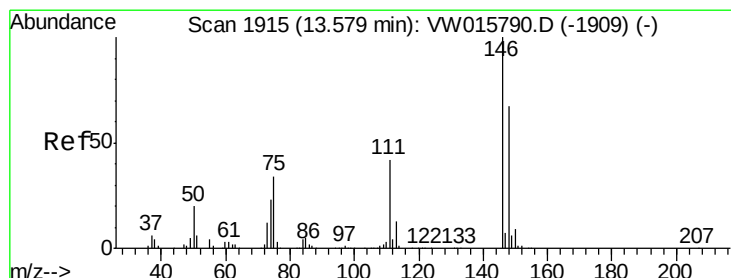
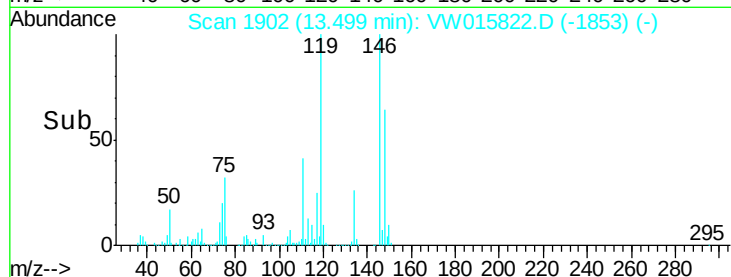
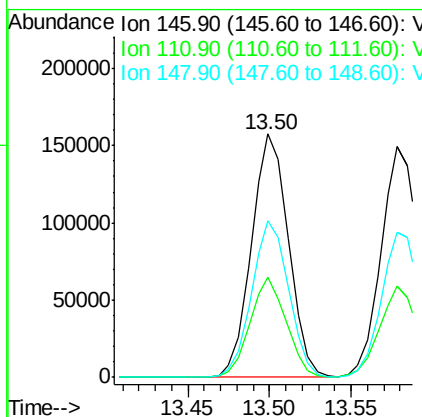
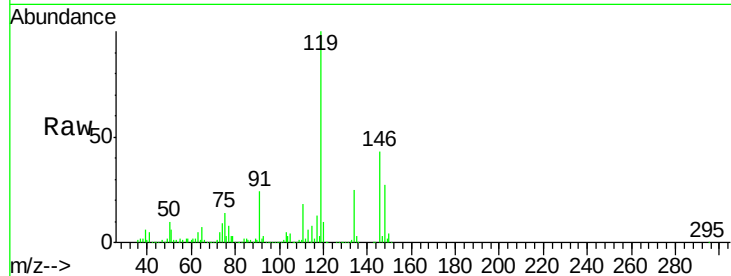




#87
 1,3-Dichlorobenzene
 Concen: 50.365 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

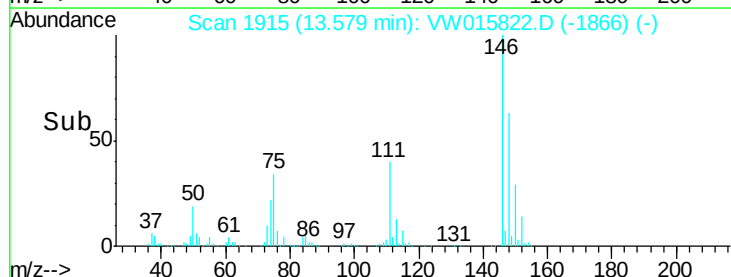
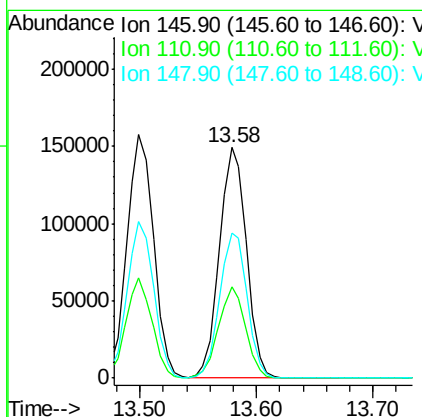
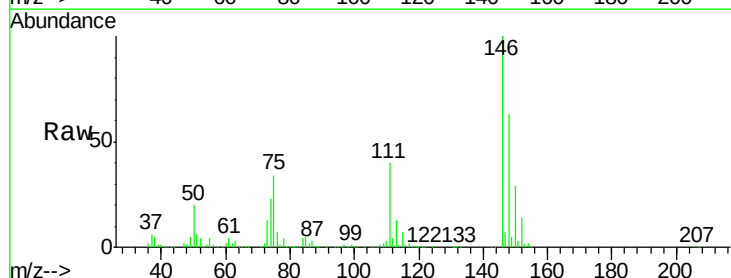
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

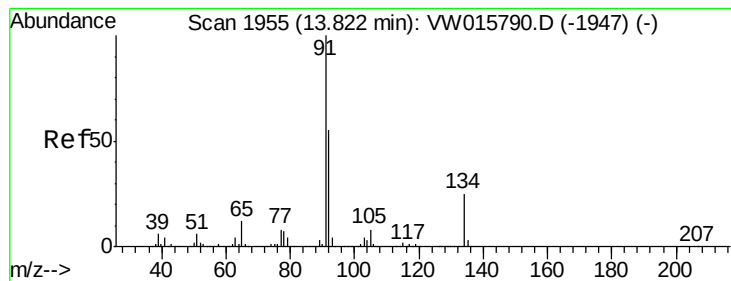
Tot Ion:146 Resp: 248449
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.8 62.4
 148 64.4 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 49.469 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

Tgt Ion:146 Resp: 238893
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.2 60.6
 148 64.1 31.8 95.4





#89

n-Butylbenzene

Concen: 52.089 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015822.D

Acq: 09 Jul 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

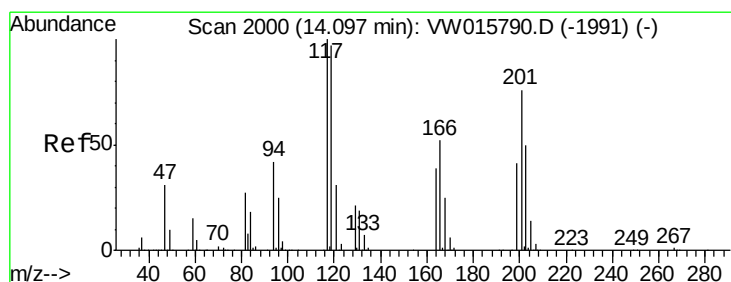
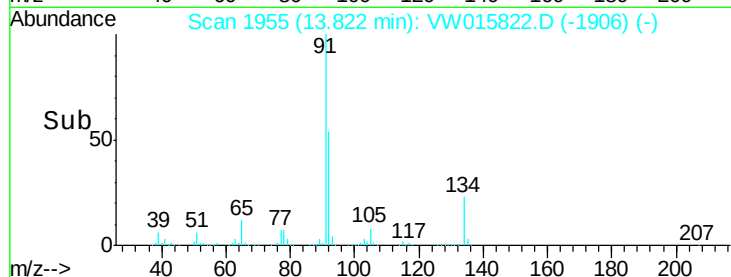
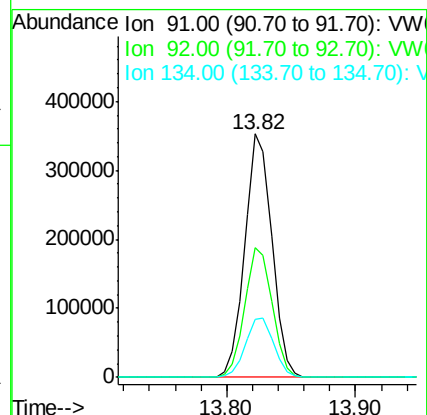
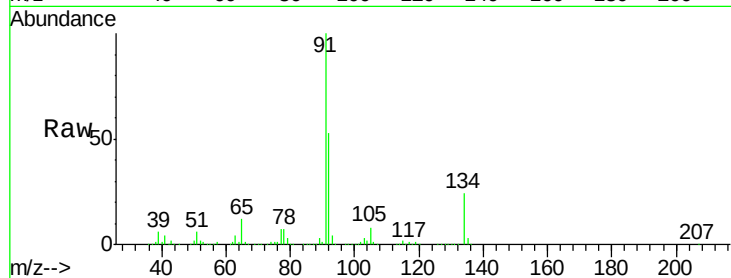
Tot Ion: 91 Resp: 510492

Ion Ratio Lower Upper

91 100

92 54.0 27.2 81.6

134 25.3 12.7 38.1



#90

Hexachloroethane

Concen: 50.103 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW015822.D

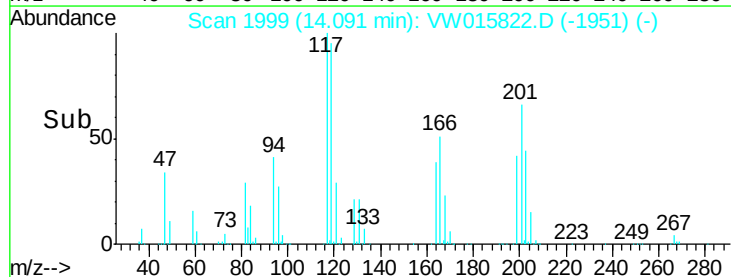
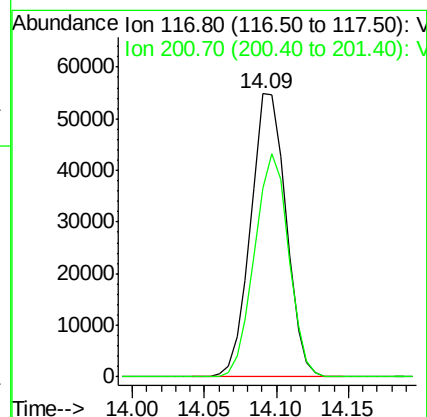
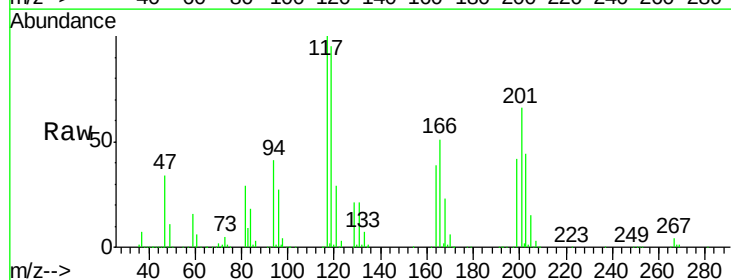
Acq: 09 Jul 2020 11:34

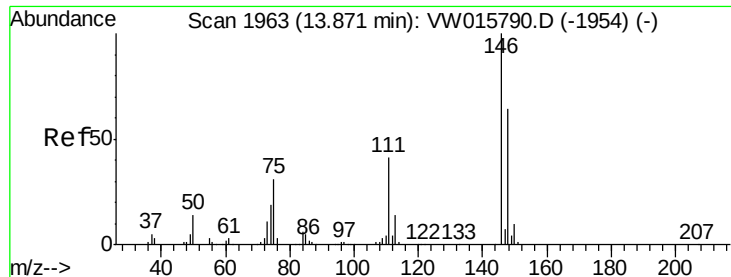
Tgt Ion: 117 Resp: 93002

Ion Ratio Lower Upper

117 100

201 76.2 37.1 111.3

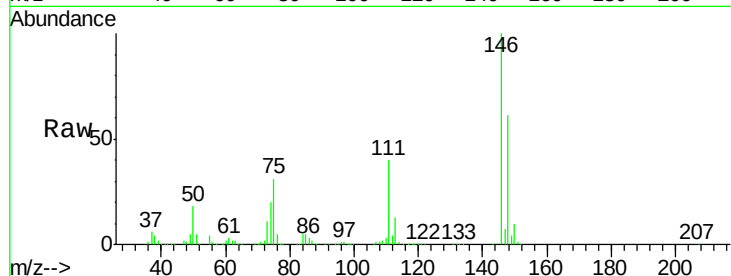




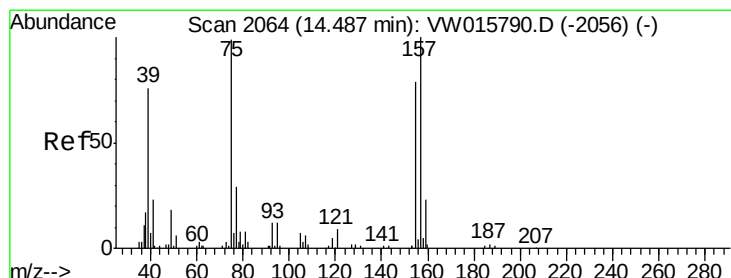
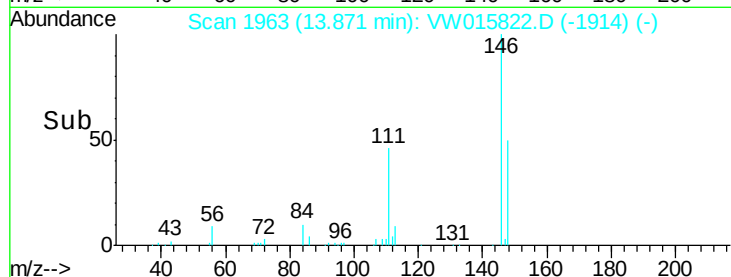
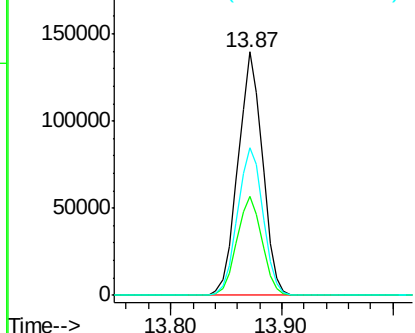
#91
 1,2-Dichlorobenzene
 Concen: 49.930 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.9
148	63.1	31.8	95.4

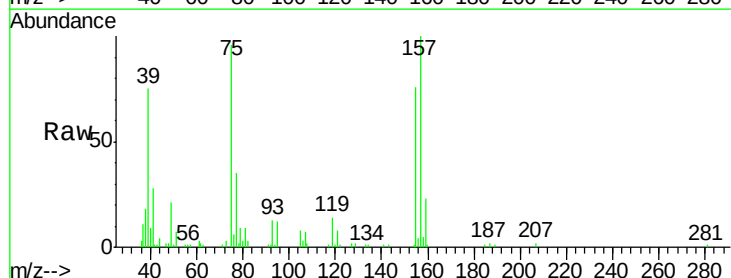


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

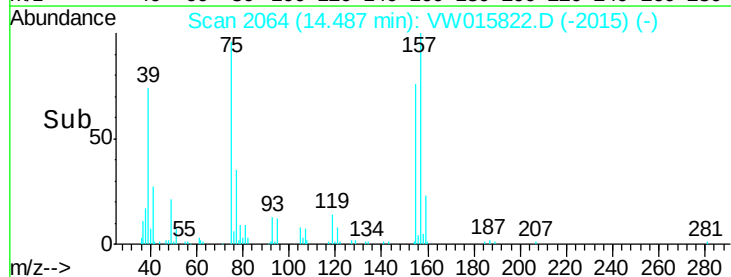
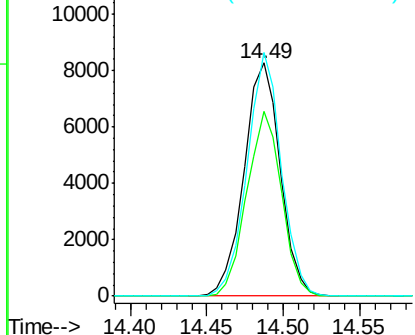


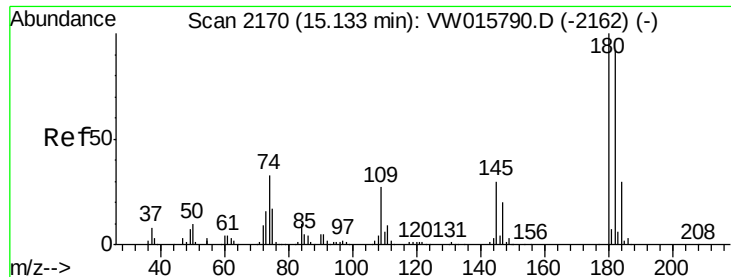
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.721 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	39.1	117.5
157	98.6	49.1	147.4



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

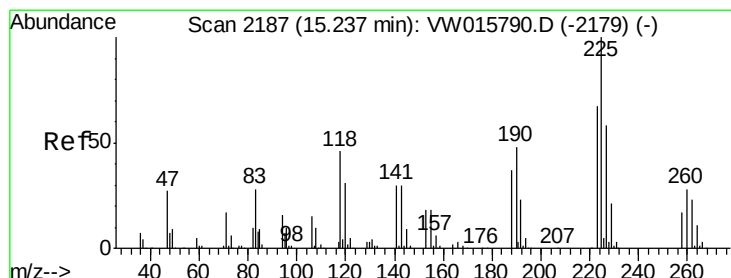
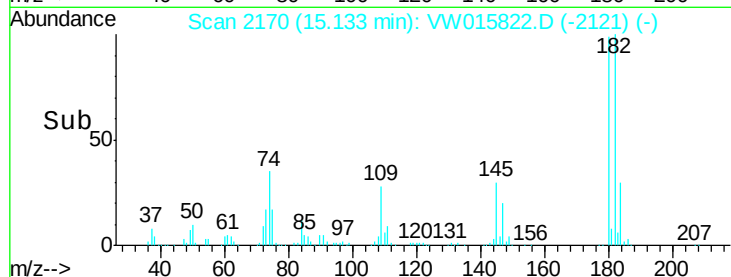
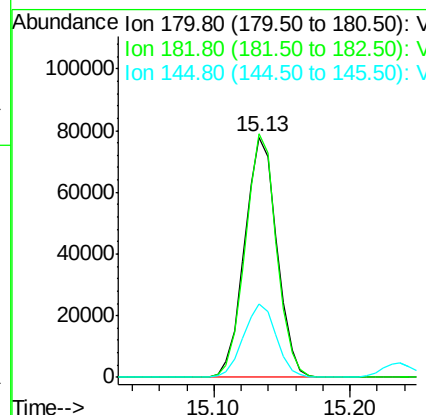
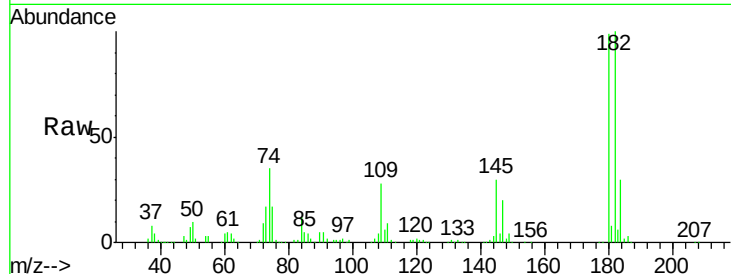




#93
 1,2,4-Trichlorobenzene
 Concen: 47.928 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

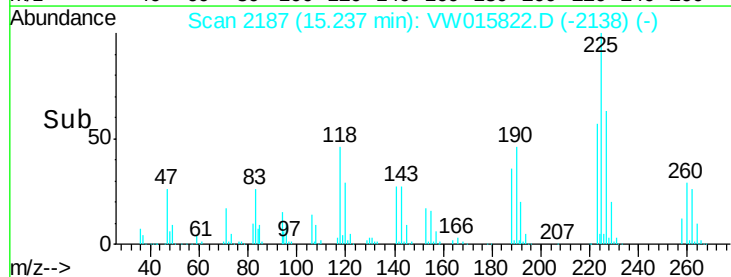
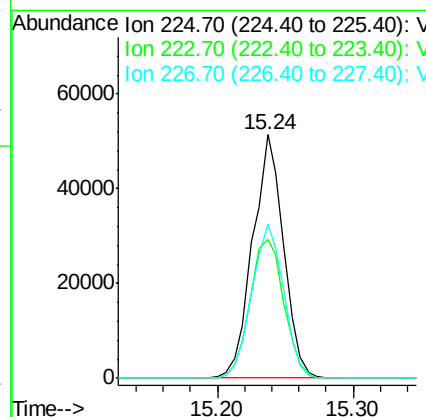
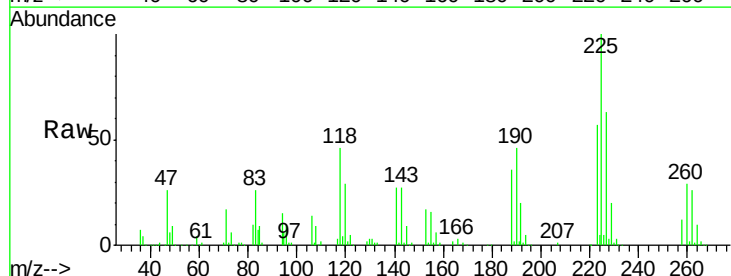
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

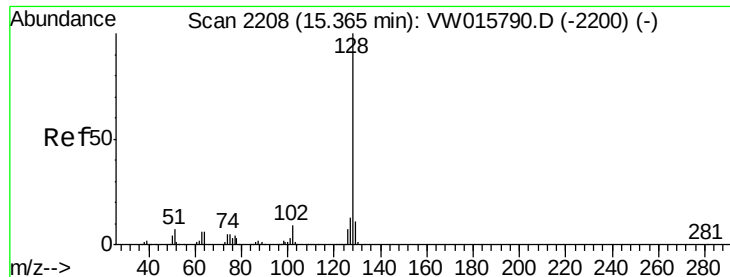
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.8	140.3
145	31.1	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 47.670 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015822.D
 Acq: 09 Jul 2020 11:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.4	97.2
227	65.7	30.7	92.1

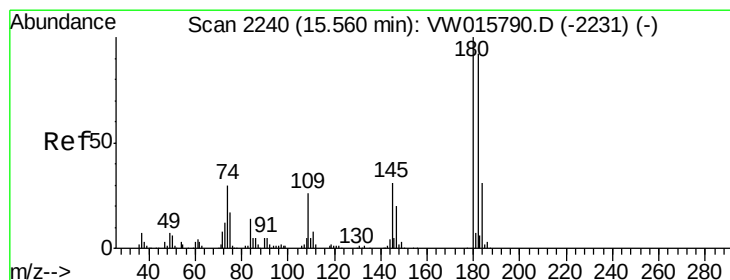
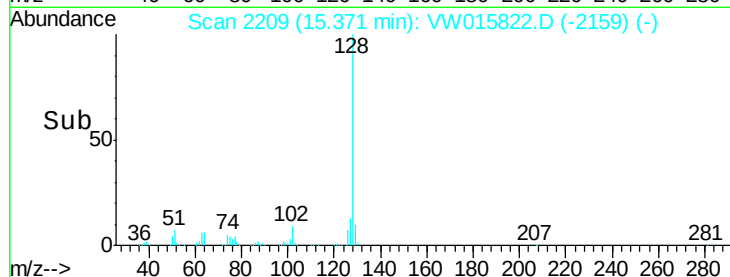
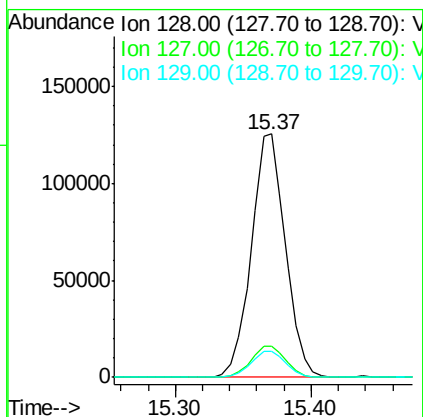
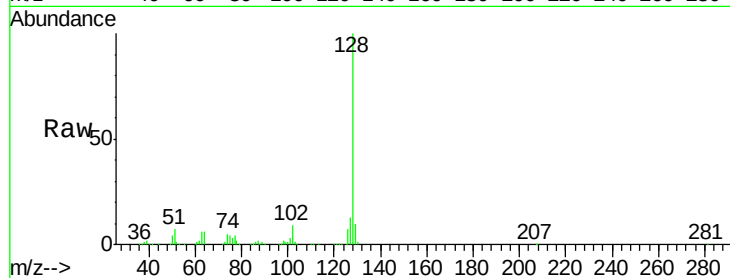




#95
Naphthalene
Concen: 44.145 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 220414
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.090 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW015822.D
Acq: 09 Jul 2020 11:34

Tgt Ion:180 Resp: 112549
Ion Ratio Lower Upper
180 100
182 93.4 47.7 143.1
145 31.8 16.7 50.0

