

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071620\
 Data File : VW015866.D
 Acq On : 16 Jul 2020 16:54
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 16 18:14:39 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	261720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	417355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186606	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	126172	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	7.89	113	115884	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
50) Toluene-d8	10.32	98	445619	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.62	95	166153	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61279	44.458	ug/l	98
3) Chloromethane	2.21	50	85283	45.559	ug/l	97
4) Vinyl Chloride	2.37	62	140853	48.734	ug/l	99
5) Bromomethane	2.78	94	92756	41.942	ug/l	97
6) Chloroethane	2.93	64	92780	47.566	ug/l	98
7) Trichlorofluoromethane	3.26	101	112089	53.963	ug/l	99
8) Diethyl Ether	3.68	74	64589	49.906	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	125012	51.413	ug/l	98
10) Methyl Iodide	4.27	142	183868	54.084	ug/l	99
11) Tert butyl alcohol	5.18	59	38827	276.798	ug/l	99
12) 1,1-Dichloroethene	4.04	96	125355	52.435	ug/l	98
13) Acrolein	3.89	56	44581	238.453	ug/l	100
14) Allyl chloride	4.67	41	205971	53.008	ug/l	97
15) Acrylonitrile	5.37	53	136090	268.942	ug/l	99
16) Acetone	4.12	43	120922	239.795	ug/l	99
17) Carbon Disulfide	4.38	76	368558	51.825	ug/l	99
18) Methyl Acetate	4.67	43	60112	52.381	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	186820	52.213	ug/l	98
20) Methylene Chloride	4.92	84	162551	64.032	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	141616	51.143	ug/l	98
22) Diisopropyl ether	6.32	45	414719	52.964	ug/l	99
23) Vinyl Acetate	6.26	43	1229424	263.976	ug/l	100
24) 1,1-Dichloroethane	6.22	63	253668	51.168	ug/l	100
25) 2-Butanone	7.18	43	177352	259.099	ug/l	99
26) 2,2-Dichloropropane	7.17	77	163870	52.689	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	151714	51.027	ug/l	97
28) Bromochloromethane	7.52	49	95412	48.547	ug/l	99
29) Tetrahydrofuran	7.53	42	114676	276.080	ug/l	100
30) Chloroform	7.68	83	256374	50.589	ug/l	100
31) Cyclohexane	7.96	56	234076	50.169	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	217296	51.135	ug/l	99
36) 1,1-Dichloropropene	8.09	75	209383	50.894	ug/l	100
37) Ethyl Acetate	7.26	43	82241	51.446	ug/l	99
38) Carbon Tetrachloride	8.07	117	199494	50.112	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	255201	52.568	ug/l	100
40) Benzene	8.32	78	569446	50.529	ug/l	100
41) Methacrylonitrile	7.49	41	49351	54.378	ug/l	96
42) 1,2-Dichloroethane	8.40	62	170605	48.640	ug/l	98
43) Isopropyl Acetate	8.43	43	157847	50.586	ug/l	100
44) Trichloroethene	9.09	130	149682	50.215	ug/l	92
45) 1,2-Dichloropropane	9.37	63	140102	50.577	ug/l	99
46) Dibromomethane	9.46	93	70762	49.618	ug/l	99
47) Bromodichloromethane	9.65	83	186883	50.663	ug/l	100
48) Methyl methacrylate	9.44	41	75769	52.984	ug/l	97
49) 1,4-Dioxane	9.45	88	20147	1142.659	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	403766	265.171	ug/l	99
52) Toluene	10.39	92	368256	50.778	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	185038	52.281	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	219578	51.864	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	99834	50.484	ug/l	99
56) Ethyl methacrylate	10.65	69	129765	53.374	ug/l	98
57) 1,3-Dichloropropane	10.93	76	178353	50.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	318245	267.896	ug/l	99
59) 2-Hexanone	10.97	43	275184	270.809	ug/l	98
60) Dibromochloromethane	11.13	129	117243	51.335	ug/l	98
61) 1,2-Dibromoethane	11.24	107	96036	50.754	ug/l	98
64) Tetrachloroethene	10.87	164	121722	49.682	ug/l	95
65) Chlorobenzene	11.66	112	374408	49.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	132919	49.611	ug/l	99
67) Ethyl Benzene	11.73	91	713320	50.876	ug/l	98
68) m/p-Xylenes	11.84	106	528524	100.350	ug/l	100
69) o-Xylene	12.17	106	242019	50.341	ug/l	98
70) Styrene	12.18	104	430442	52.035	ug/l	99
71) Bromoform	12.35	173	63752	52.131	ug/l #	98
73) Isopropylbenzene	12.46	105	688012	52.335	ug/l	100
74) N-amyl acetate	12.27	43	151216	53.764	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	114732	52.524	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	81656m	49.790	ug/l	
77) Bromobenzene	12.75	156	149054	50.565	ug/l	99
78) n-propylbenzene	12.80	91	834307	52.285	ug/l	100
79) 2-Chlorotoluene	12.89	91	472248	51.897	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	581832	51.928	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	35046	48.571	ug/l	99
82) 4-Chlorotoluene	12.99	91	484425	50.979	ug/l	100
83) tert-Butylbenzene	13.21	119	488389	52.504	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	580123	51.845	ug/l	100
85) sec-Butylbenzene	13.38	105	704218	52.421	ug/l	100
86) p-Isopropyltoluene	13.50	119	632599	51.568	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	292626	49.523	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	284487	49.180	ug/l	99
89) n-Butylbenzene	13.82	91	611314	52.074	ug/l	100
90) Hexachloroethane	14.10	117	113488	51.041	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	253507	49.520	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18682	53.528	ug/l	99

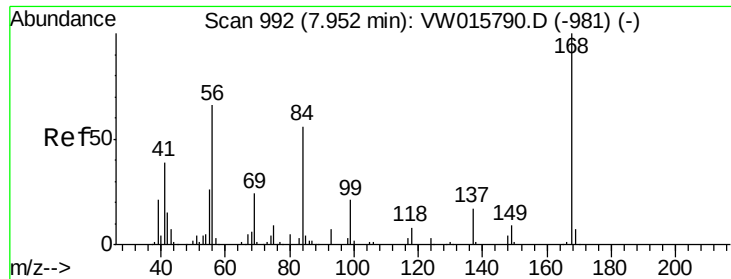
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071620\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	167382	51.862	ug/l	98
94) Hexachlorobutadiene	15.24	225	97801	47.727	ug/l	98
95) Naphthalene	15.37	128	297022	49.311	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	139157	50.671	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

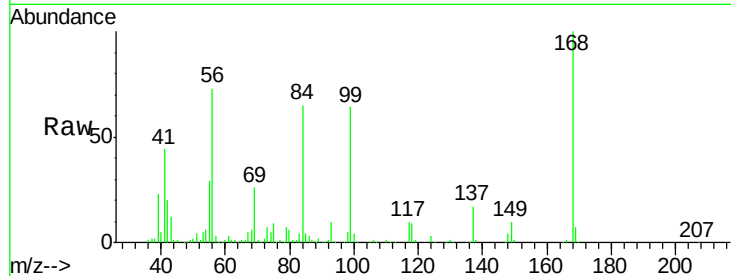
VSTDCCC050EC

Tot Ion:168 Resp: 261720

Ion Ratio Lower Upper

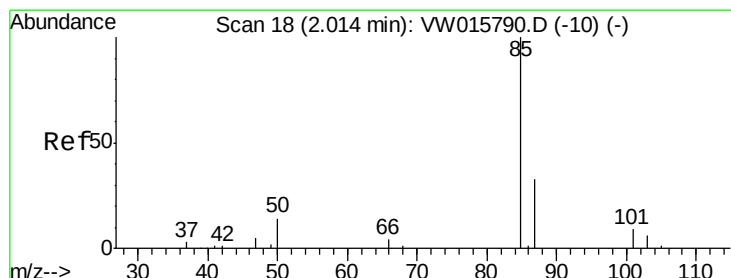
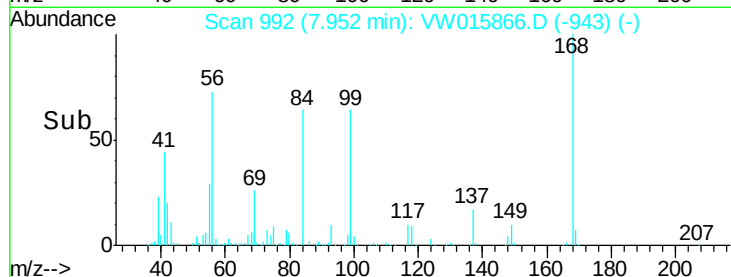
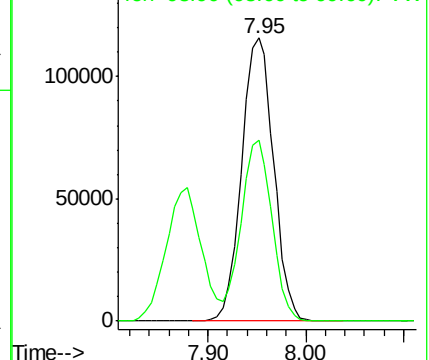
168 100

99 63.9 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: 44.458 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015866.D

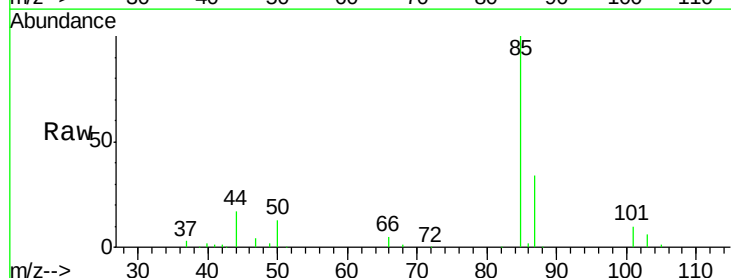
Acq: 16 Jul 2020 16:54

Tgt Ion: 85 Resp: 61279

Ion Ratio Lower Upper

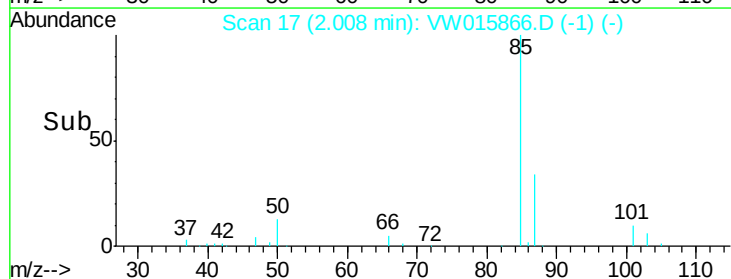
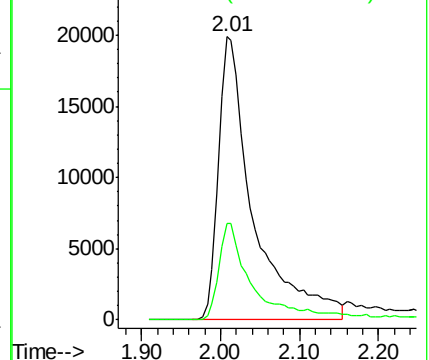
85 100

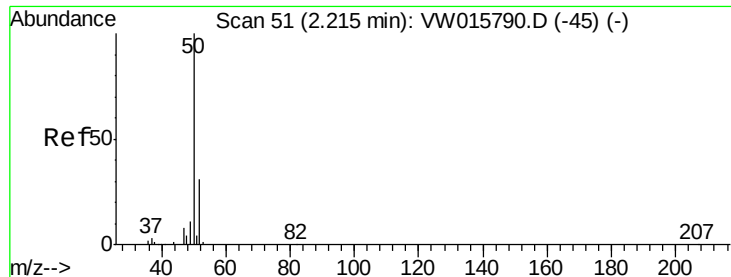
87 33.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.559 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

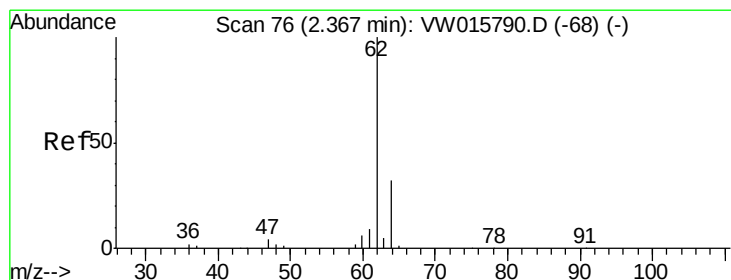
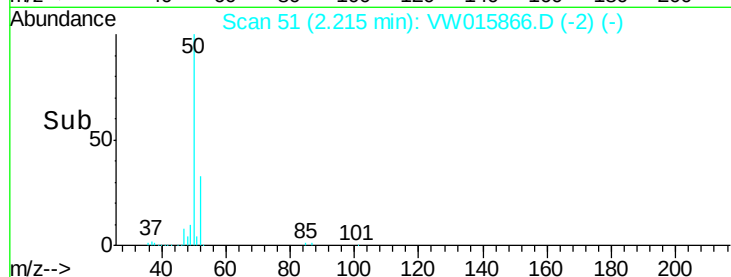
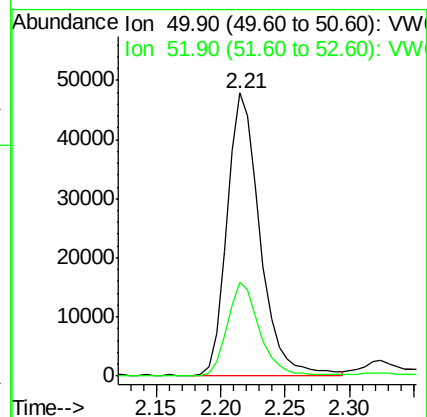
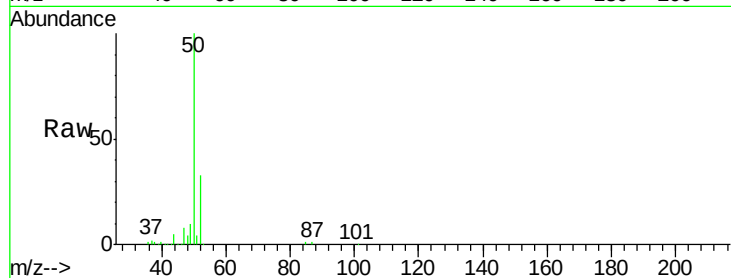
VSTDCCC050EC

Tot Ion: 50 Resp: 85283

Ion Ratio Lower Upper

50 100

52 33.2 25.2 37.8



#4

Vinyl Chloride

Concen: 48.734 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015866.D

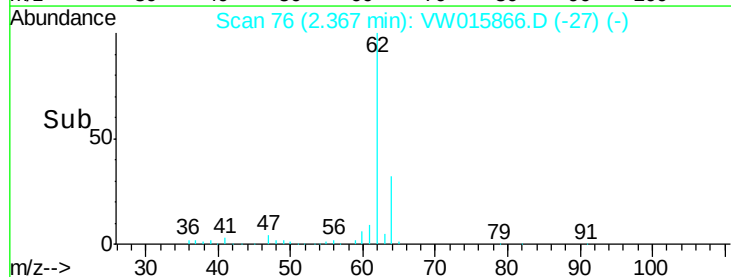
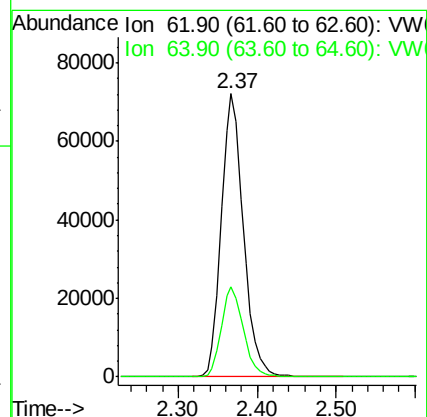
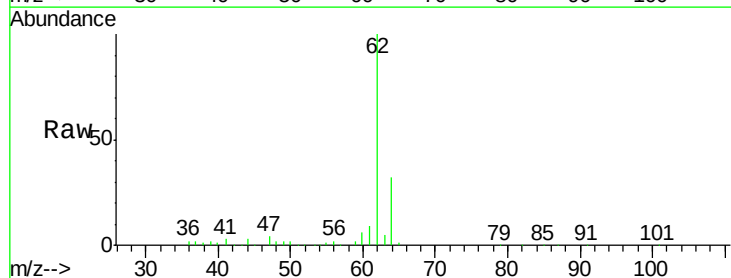
Acq: 16 Jul 2020 16:54

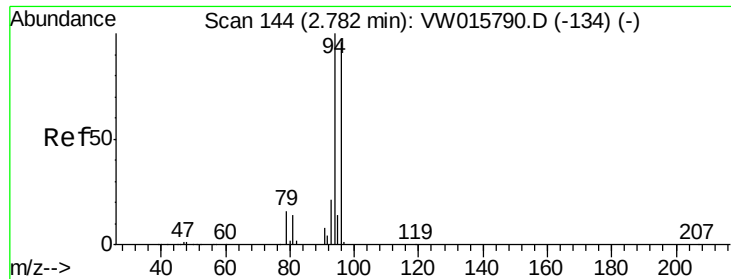
Tgt Ion: 62 Resp: 140853

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 41.942 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

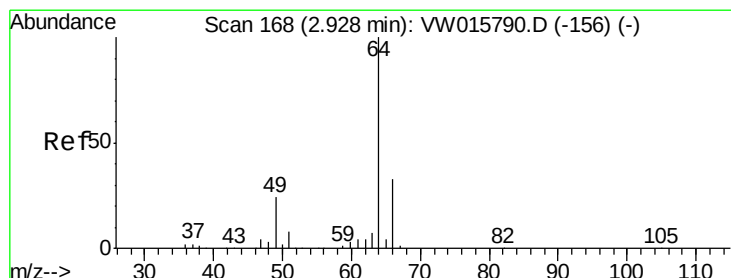
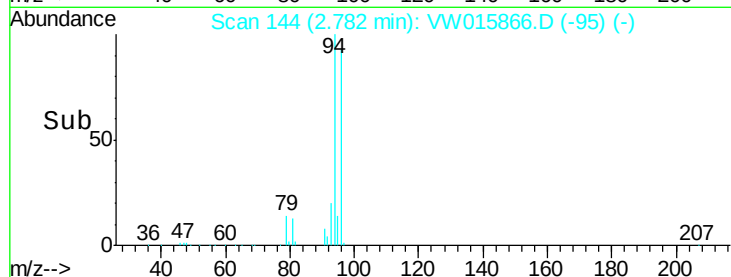
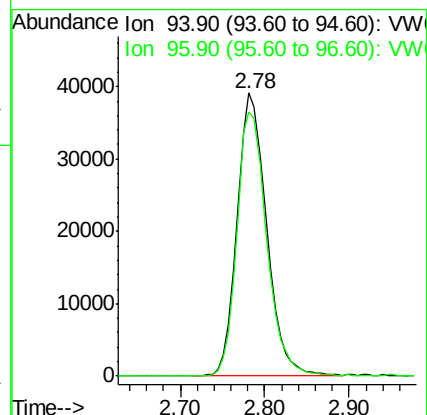
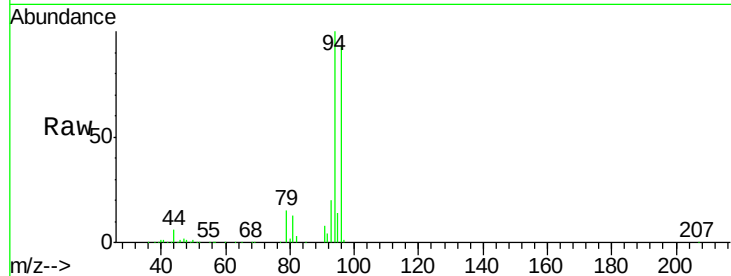
VSTDCCC050EC

Tot Ion: 94 Resp: 92756

Ion Ratio Lower Upper

94 100

96 93.3 76.7 115.1



#6

Chloroethane

Concen: 47.566 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015866.D

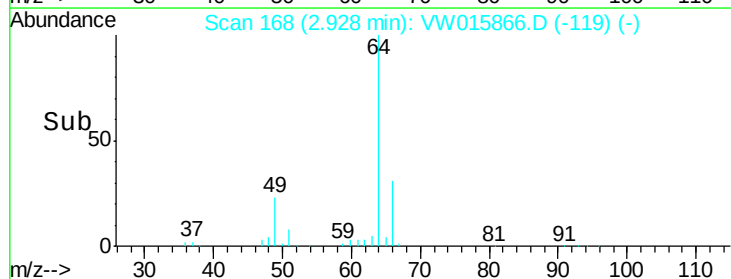
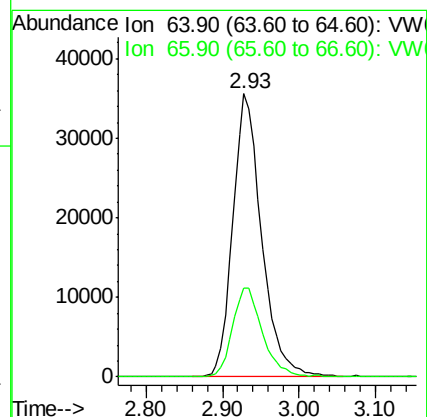
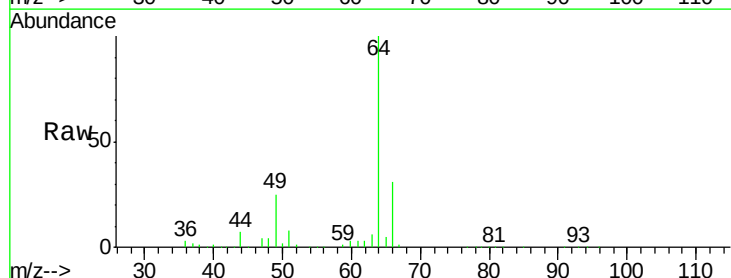
Acq: 16 Jul 2020 16:54

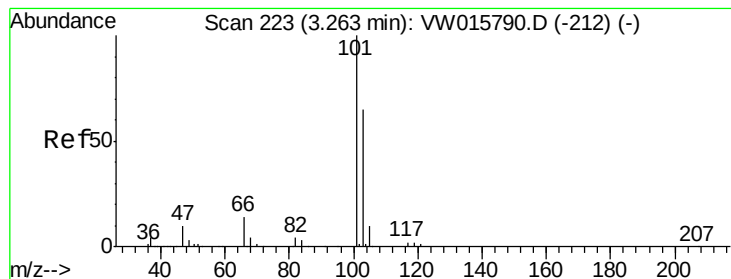
Tgt Ion: 64 Resp: 92780

Ion Ratio Lower Upper

64 100

66 31.2 26.0 39.0



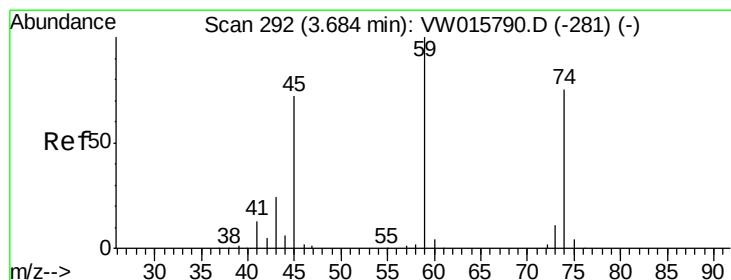
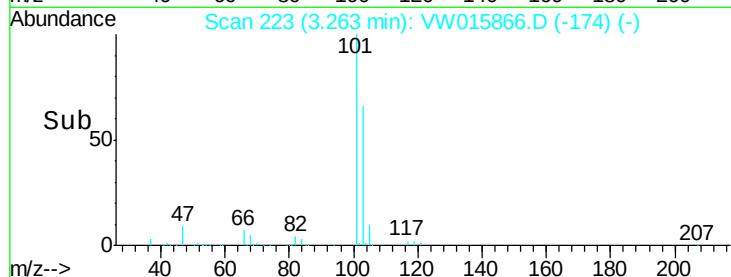
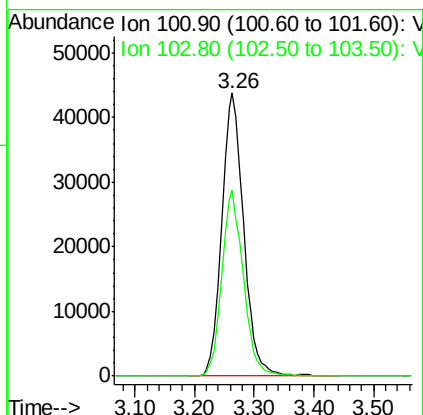
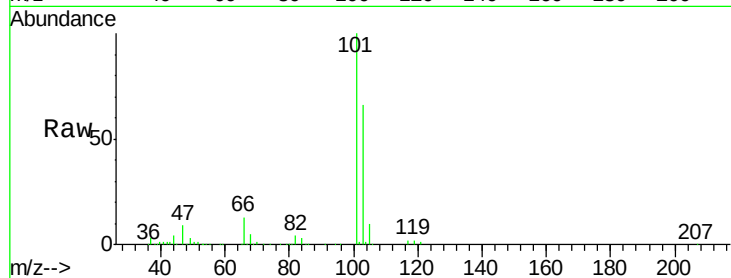


#7

Trichlorofluoromethane
 Concen: 53.963 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

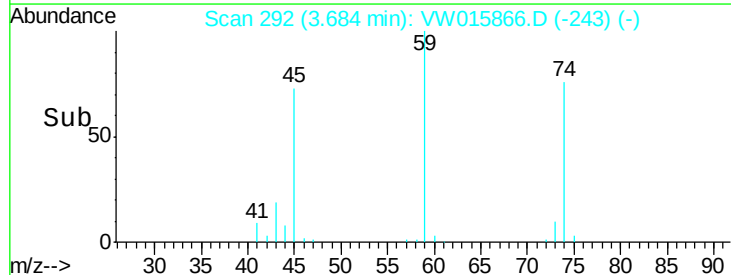
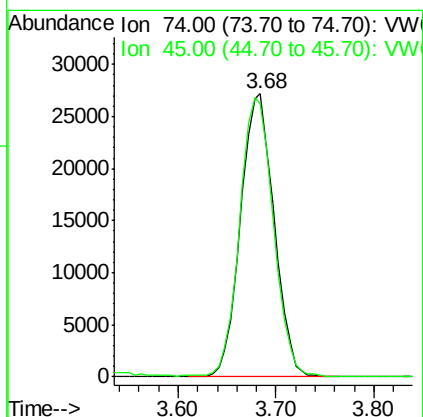
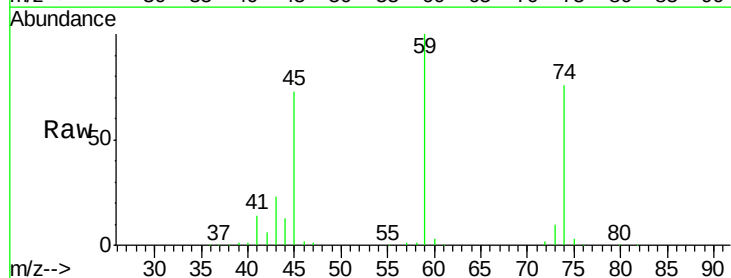
Tot Ion:101 Resp: 112089
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.2 78.4

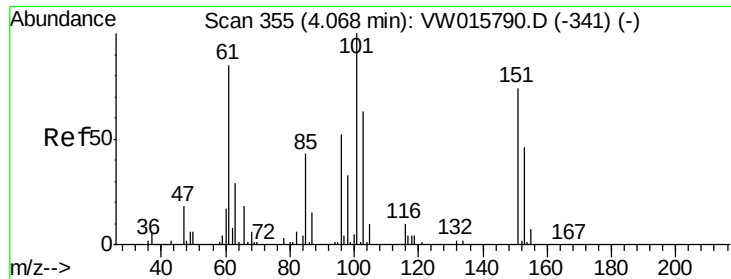


#8

Diethyl Ether
 Concen: 49.906 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion: 74 Resp: 64589
 Ion Ratio Lower Upper
 74 100
 45 99.7 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.413 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

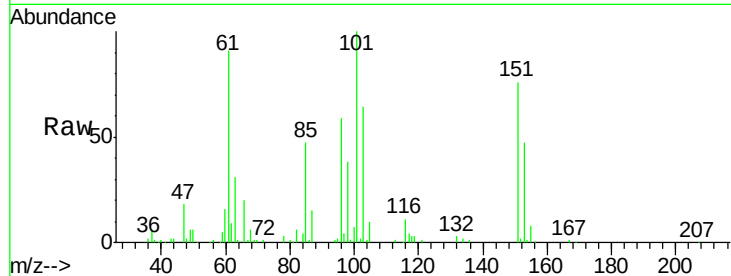
Tot Ion:101 Resp: 125012

Ion Ratio Lower Upper

101 100

85 44.6 36.1 54.1

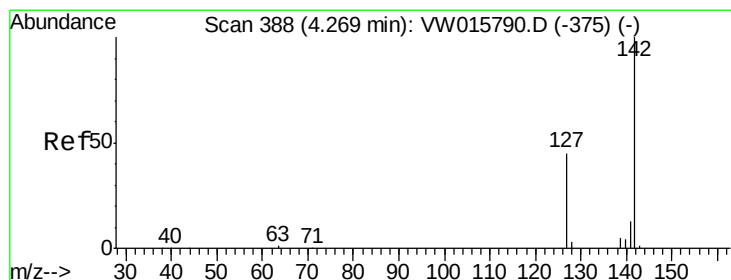
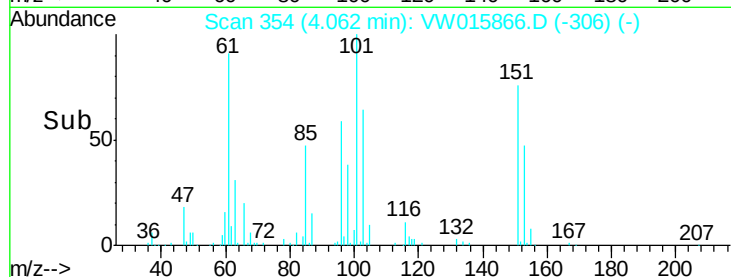
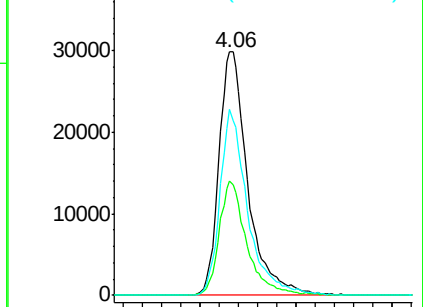
151 72.8 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.084 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

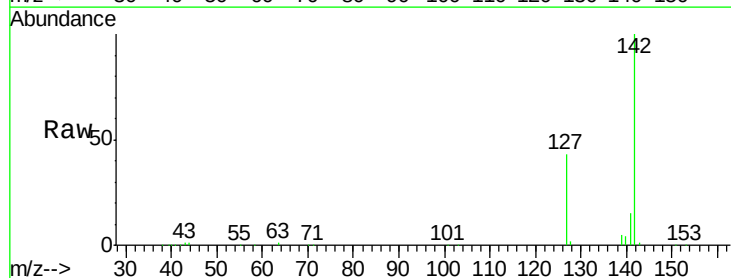
Tgt Ion:142 Resp: 183868

Ion Ratio Lower Upper

142 100

127 44.1 36.1 54.1

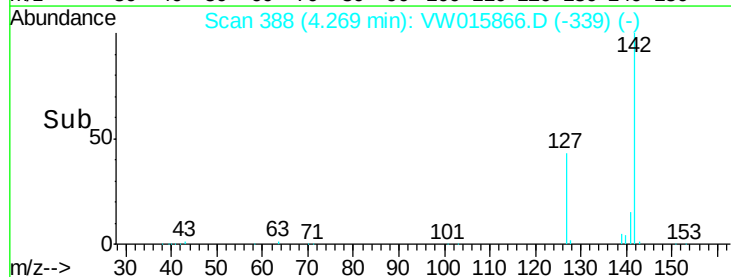
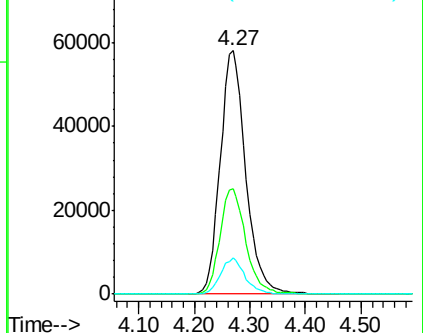
141 14.4 11.7 17.5

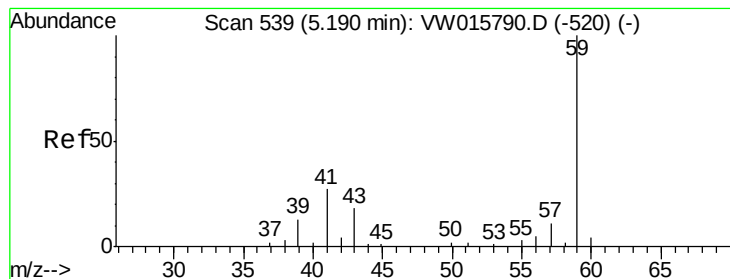


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



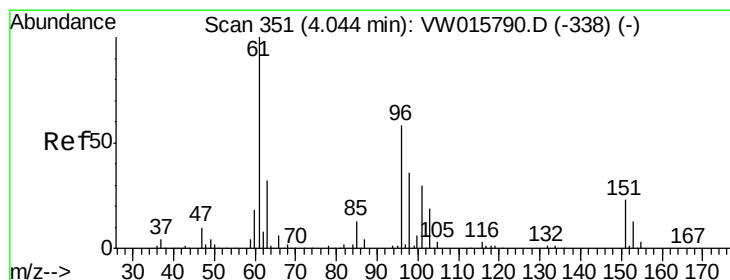
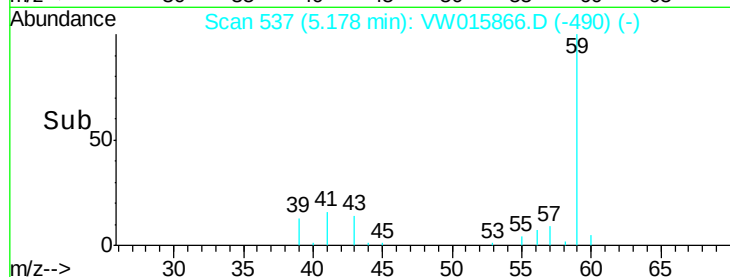
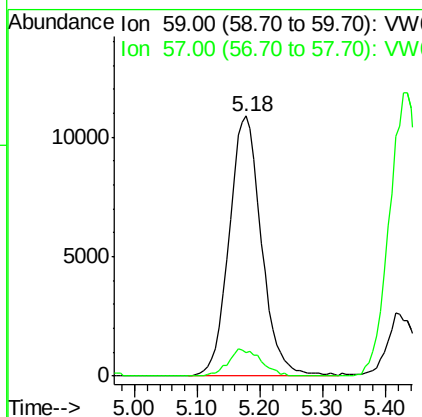
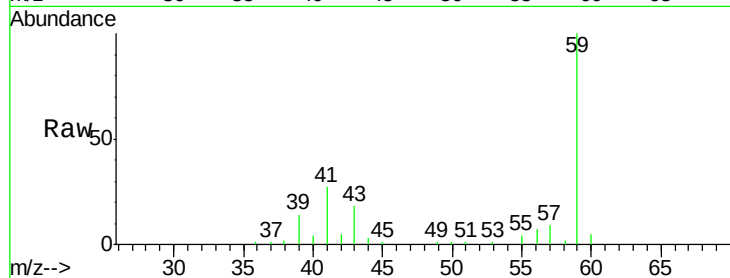


#11

Tert butyl alcohol
 Concen: 276.798 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.01 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

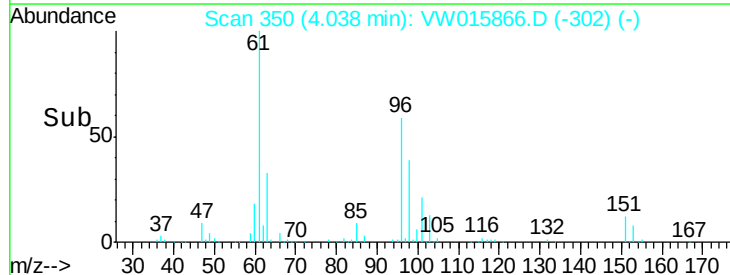
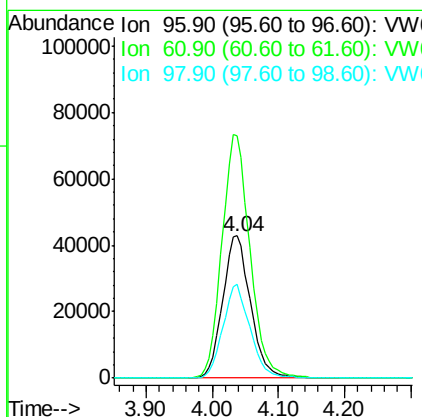
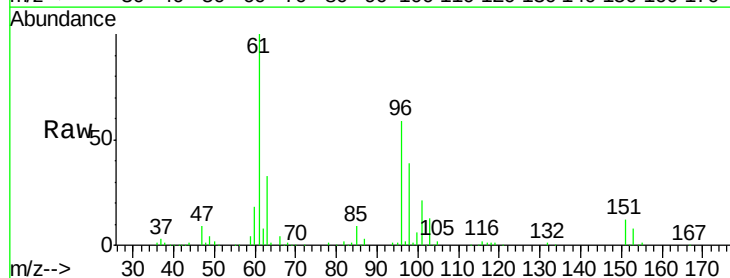
Tot Ion: 59 Resp: 38827
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.7 13.1

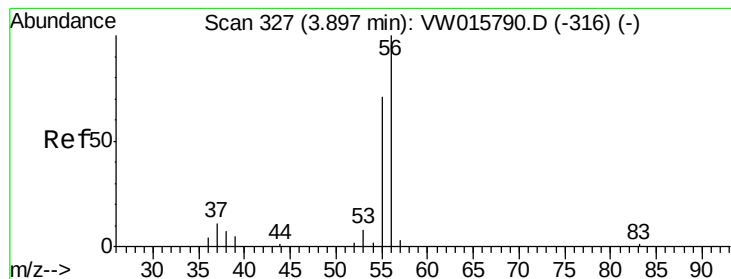


#12

1,1-Dichloroethene
 Concen: 52.435 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion: 96 Resp: 125355
 Ion Ratio Lower Upper
 96 100
 61 170.5 137.0 205.4
 98 66.2 49.3 73.9





#13

Acrolein

Concen: 238.453 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

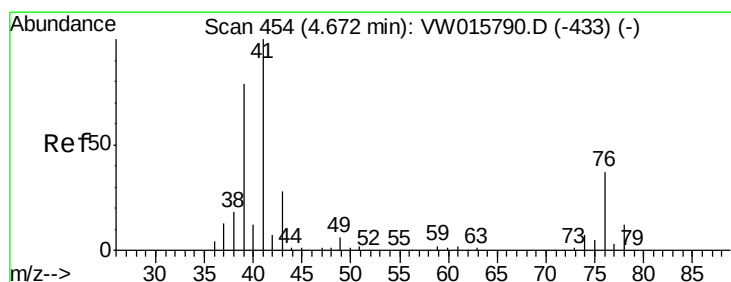
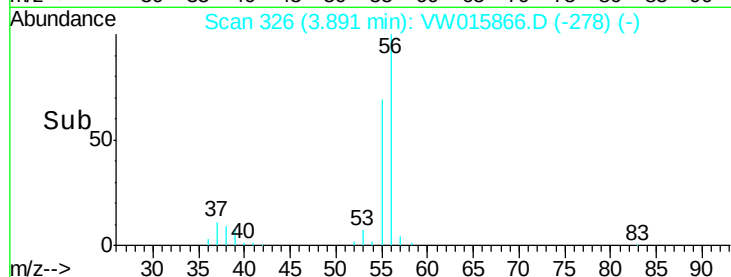
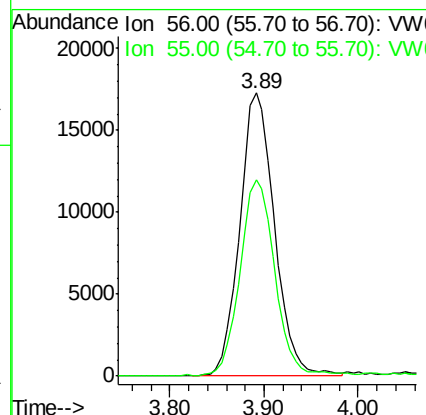
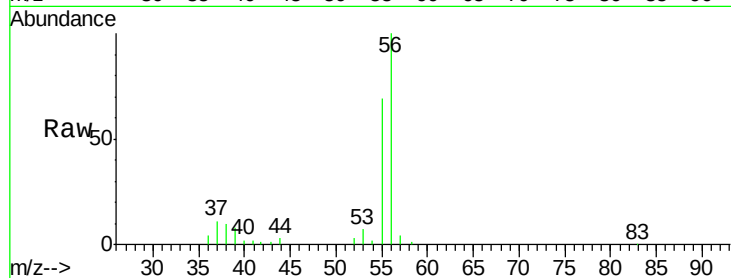
VSTDCCC050EC

Tot Ion: 56 Resp: 44581

Ion Ratio Lower Upper

56 100

55 70.0 55.8 83.6



#14

Allyl chloride

Concen: 53.008 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

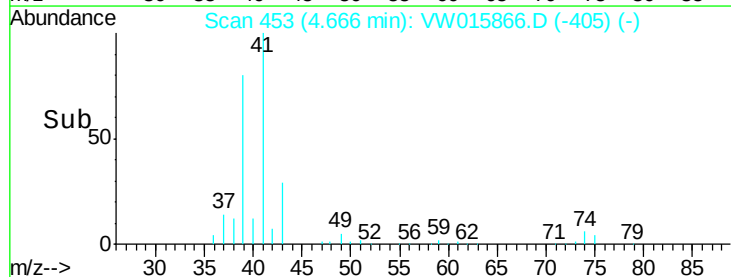
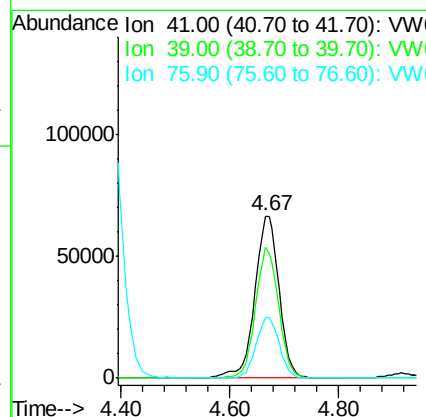
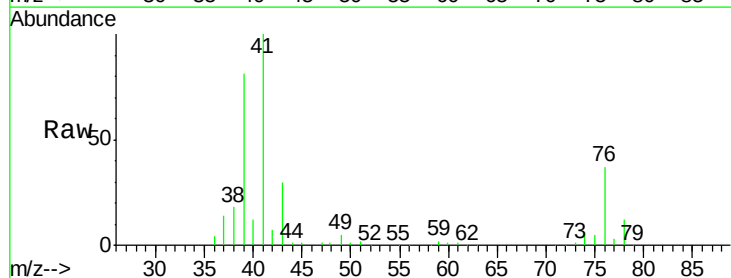
Tgt Ion: 41 Resp: 205971

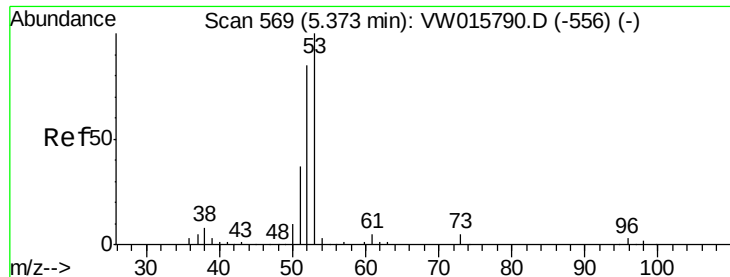
Ion Ratio Lower Upper

41 100

39 76.6 64.0 96.0

76 35.7 28.9 43.3





#15

Acrylonitrile

Concen: 268.942 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

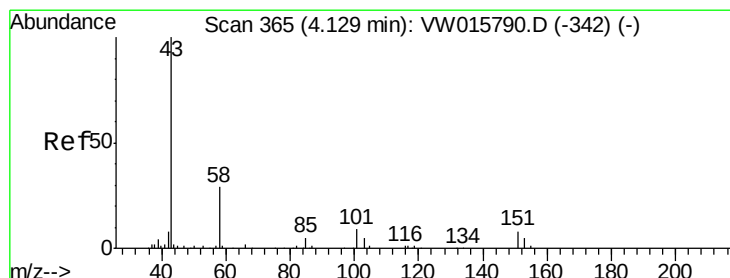
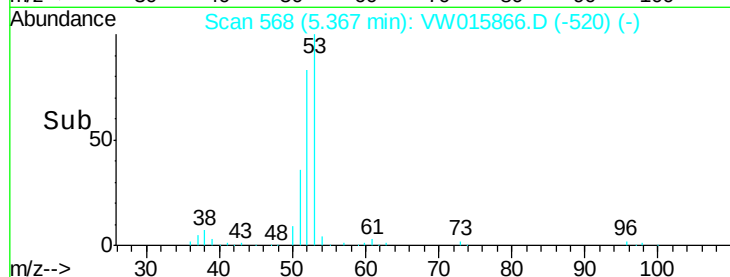
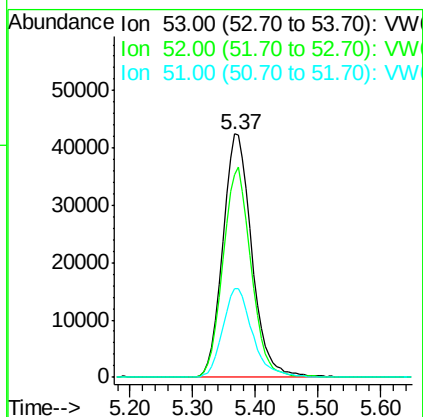
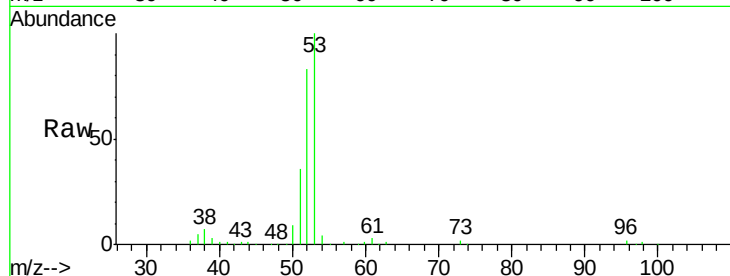
Tot Ion: 53 Resp: 136090

Ion Ratio Lower Upper

53 100

52 83.7 65.8 98.8

51 37.5 30.2 45.2



#16

Acetone

Concen: 239.795 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015866.D

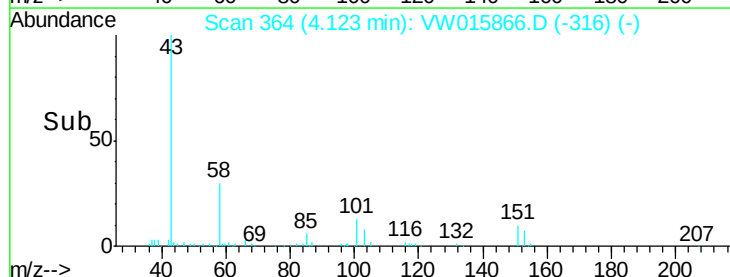
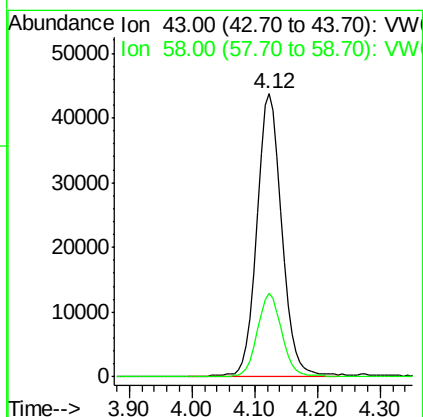
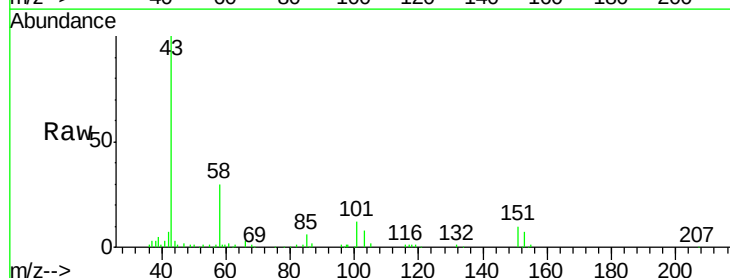
Acq: 16 Jul 2020 16:54

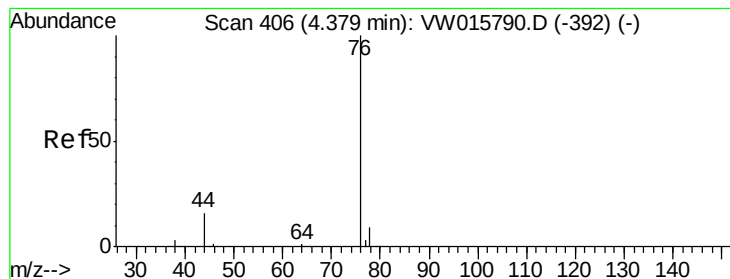
Tgt Ion: 43 Resp: 120922

Ion Ratio Lower Upper

43 100

58 29.7 23.5 35.3





#17

Carbon Disulfide

Concen: 51.825 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

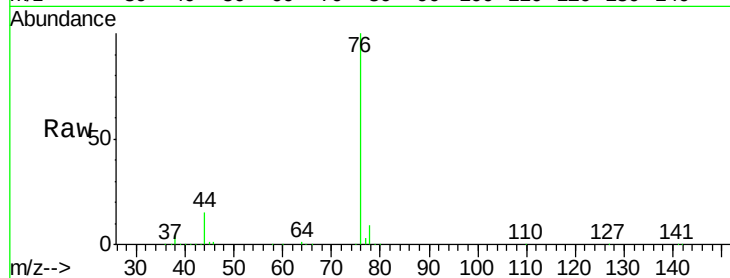
VSTDCCC050EC

Tot Ion: 76 Resp: 368558

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

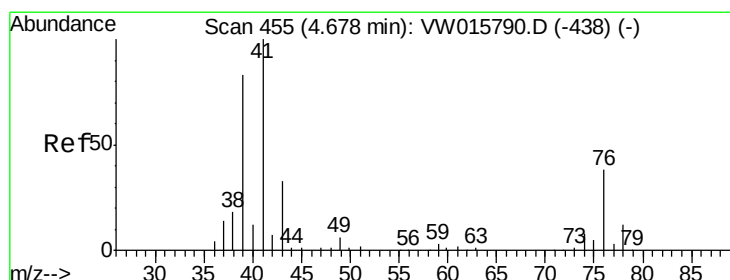
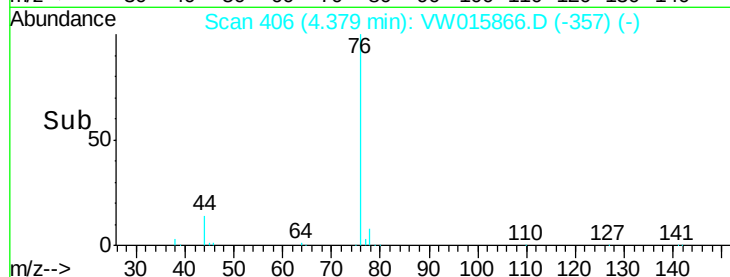
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.381 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015866.D

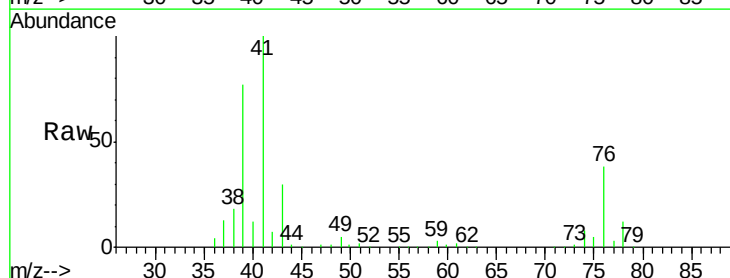
Acq: 16 Jul 2020 16:54

Tgt Ion: 43 Resp: 60112

Ion Ratio Lower Upper

43 100

74 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

20000

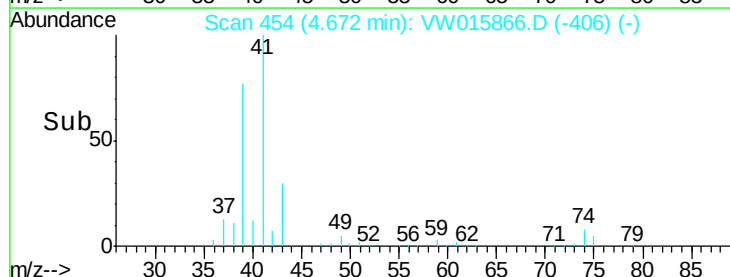
15000

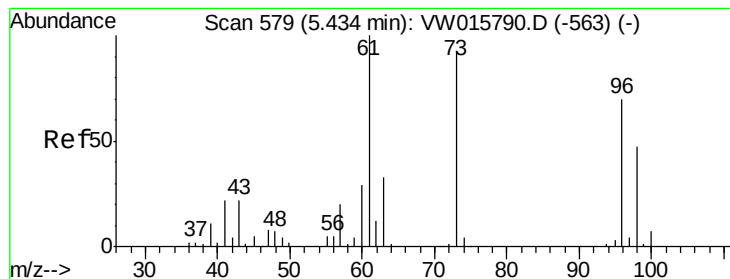
10000

5000

0

Time-->



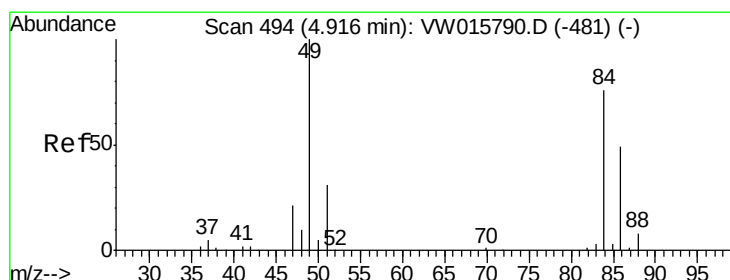
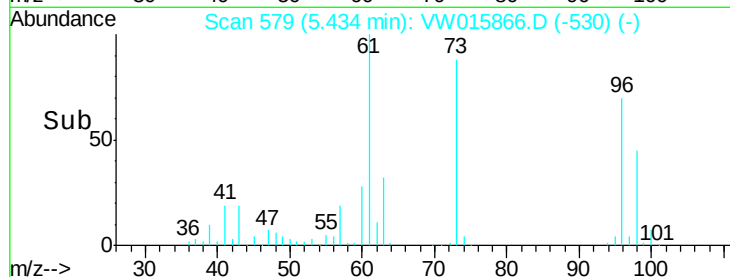
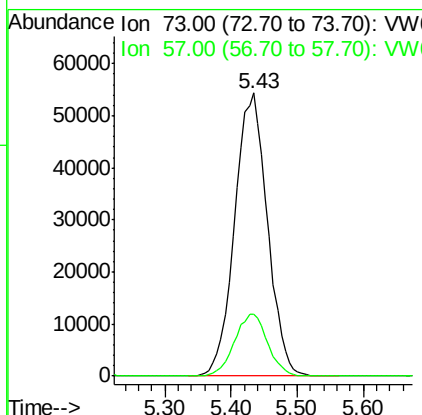
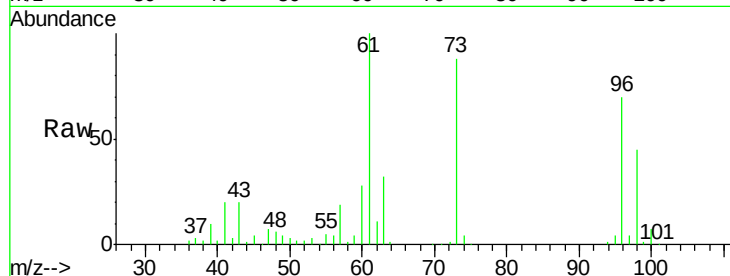


#19

Methyl tert-butyl Ether
 Concen: 52.213 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

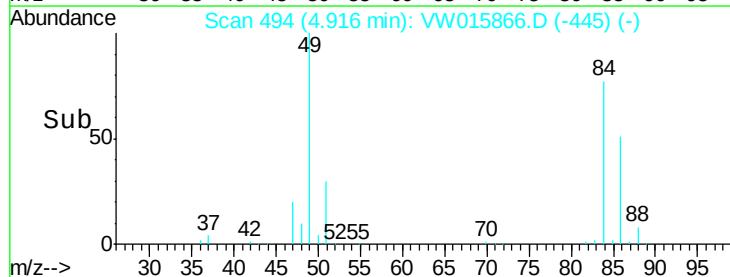
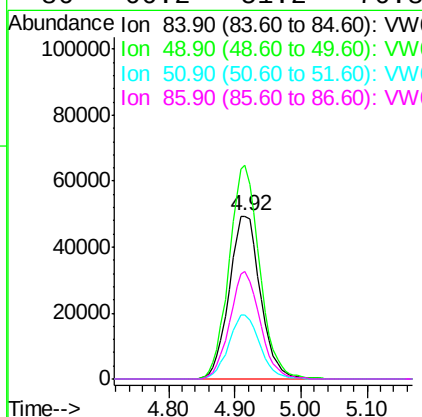
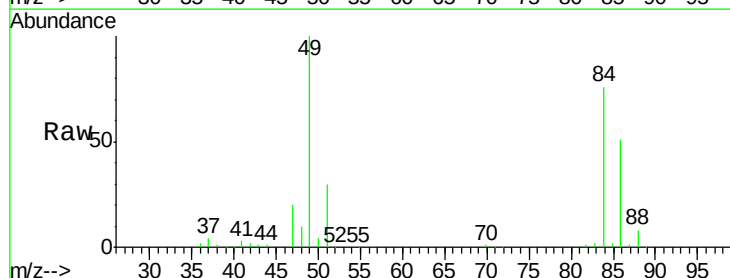
Tot Ion: 73 Resp: 186820
 Ion Ratio Lower Upper
 73 100
 57 21.8 16.8 25.2

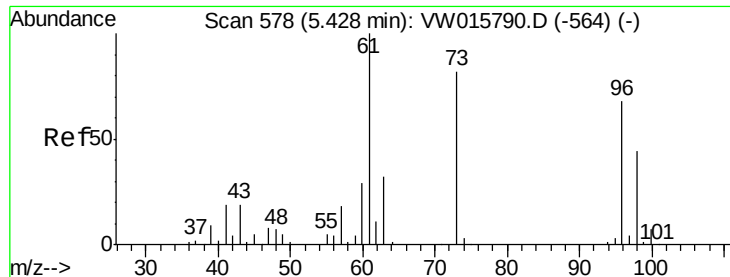


#20

Methylene Chloride
 Concen: 64.032 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion: 84 Resp: 162551
 Ion Ratio Lower Upper
 84 100
 49 130.9 105.0 157.6
 51 39.5 32.3 48.5
 86 66.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 51.143 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

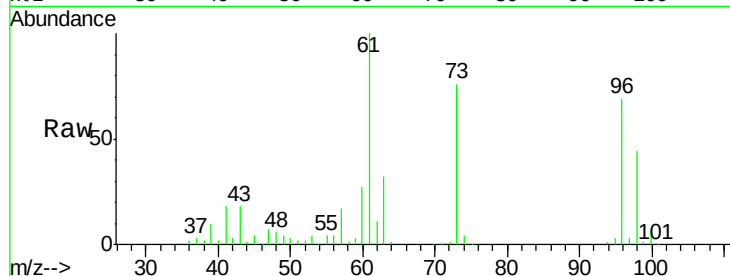
Tot Ion: 96 Resp: 141616

Ion Ratio Lower Upper

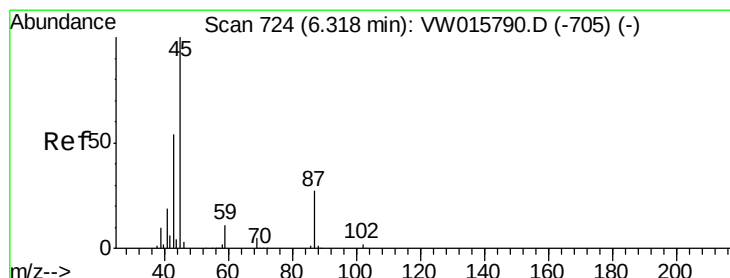
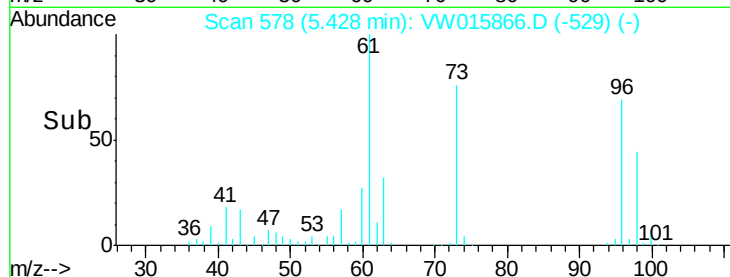
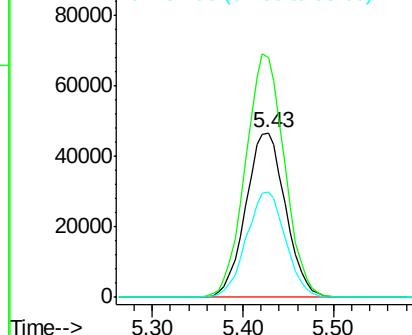
96 100

61 145.8 118.1 177.1

98 64.2 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: 52.964 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Tgt Ion: 45 Resp: 414719

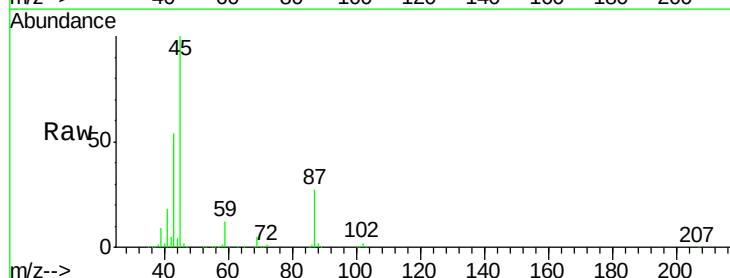
Ion Ratio Lower Upper

45 100

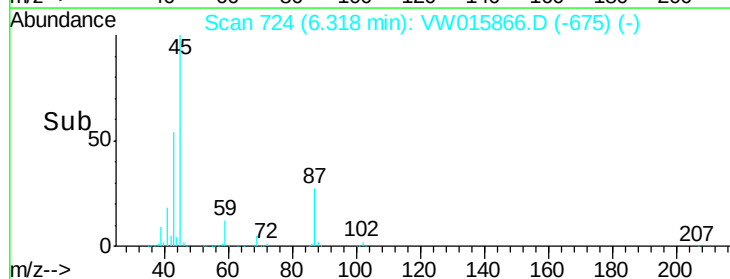
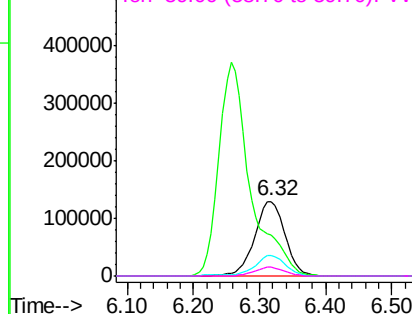
43 54.1 43.8 65.6

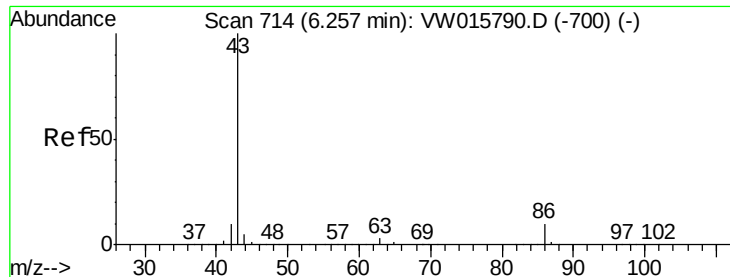
87 27.1 22.1 33.1

59 12.3 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: 263.976 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

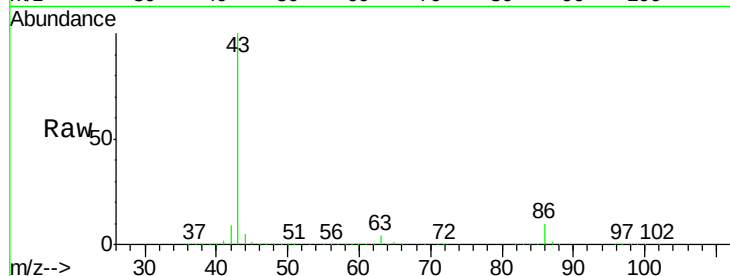
VSTDCCC050EC

Tot Ion: 43 Resp: 1229424

Ion Ratio Lower Upper

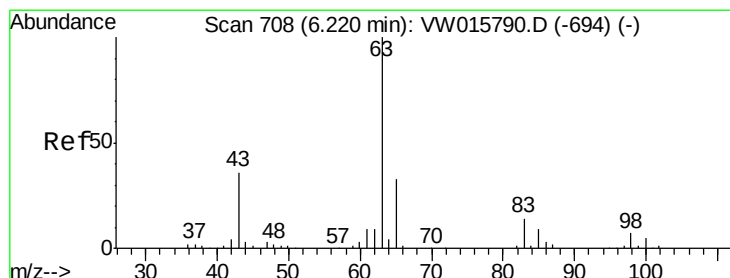
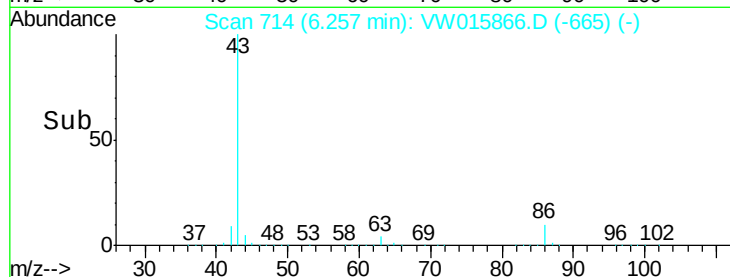
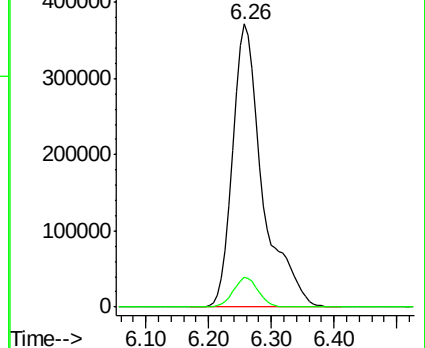
43 100

86 10.5 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.168 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

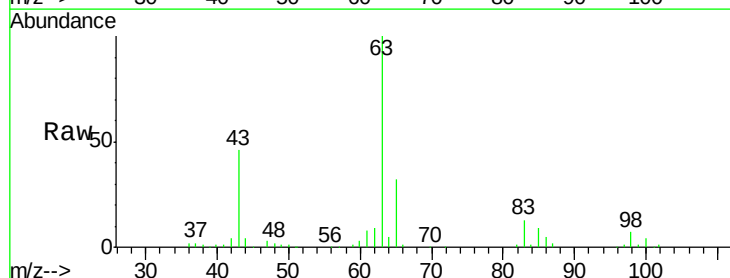
Tgt Ion: 63 Resp: 253668

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

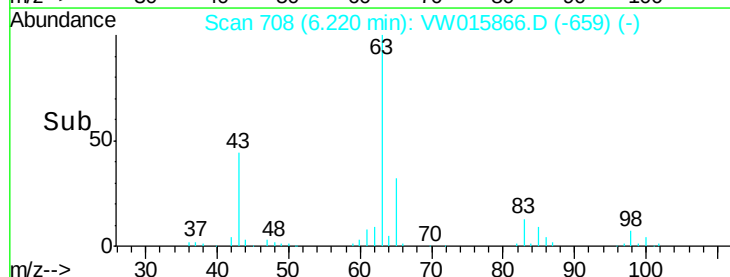
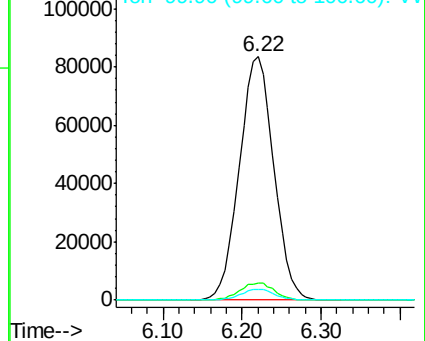
100 4.4 2.4 7.1

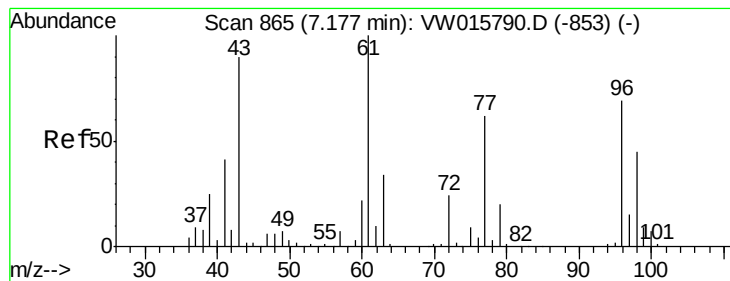


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 259.099 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

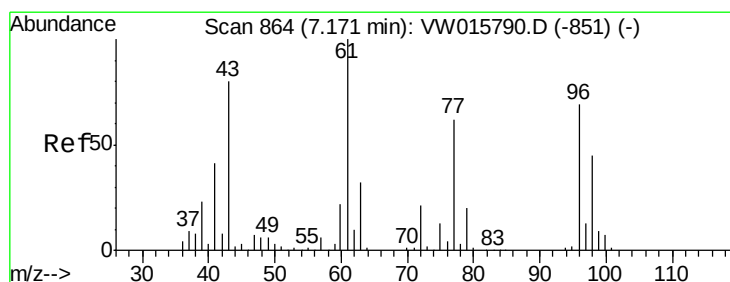
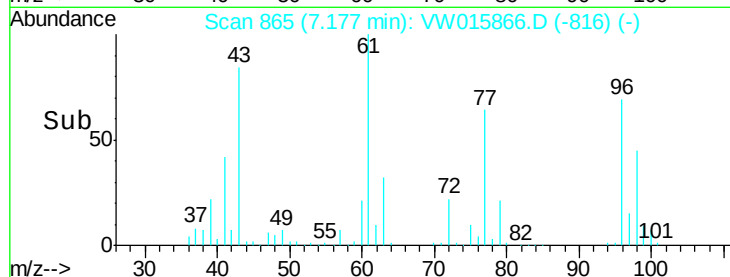
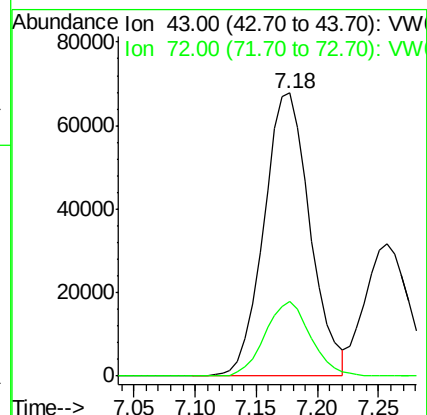
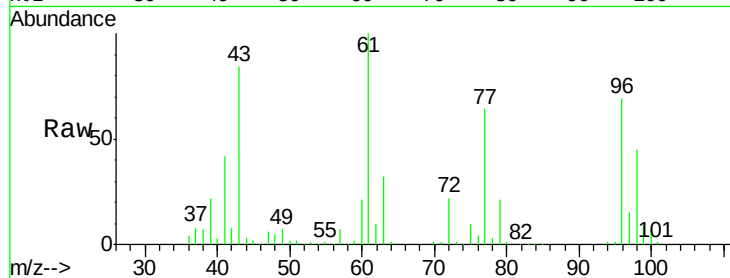
VSTDCCC050EC

Tot Ion: 43 Resp: 177352

Ion Ratio Lower Upper

43 100

72 26.3 21.3 31.9



#26

2,2-Dichloropropane

Concen: 52.689 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015866.D

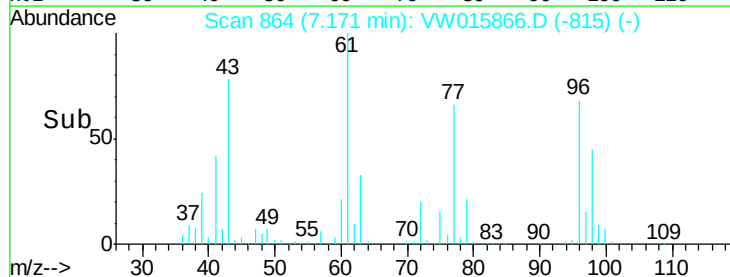
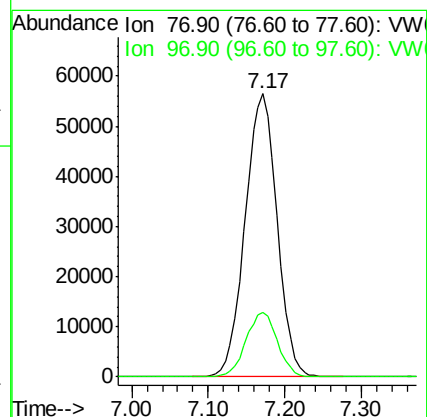
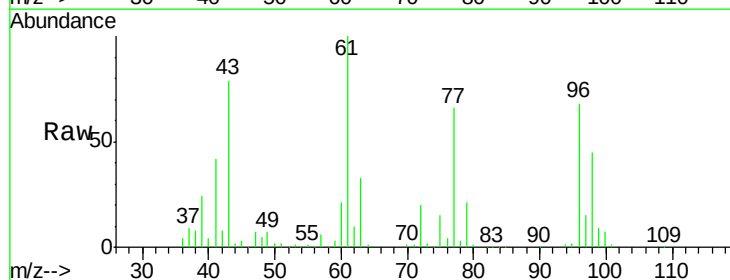
Acq: 16 Jul 2020 16:54

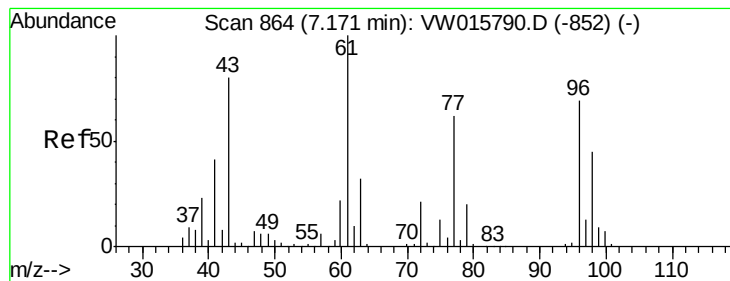
Tgt Ion: 77 Resp: 163870

Ion Ratio Lower Upper

77 100

97 22.3 11.0 33.0



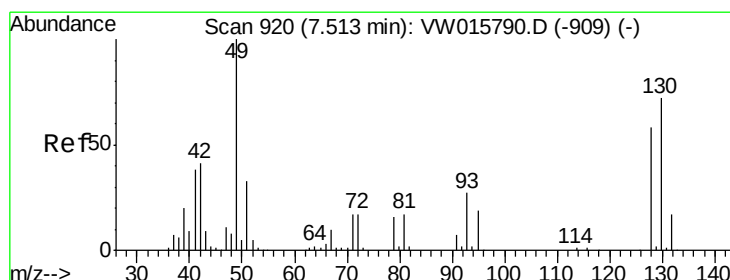
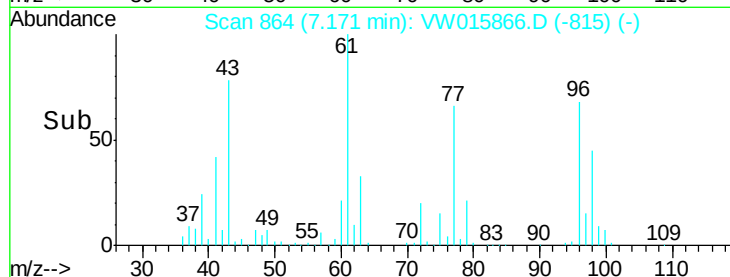
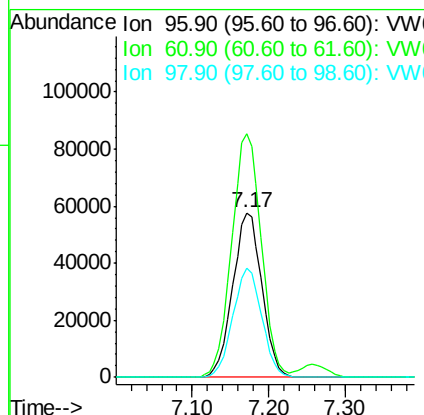
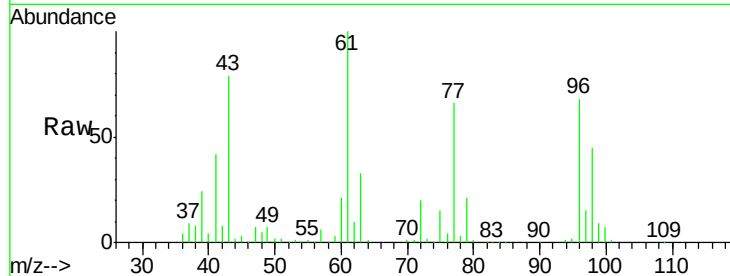


#27

cis-1,2-Dichloroethene
Concen: 51.027 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

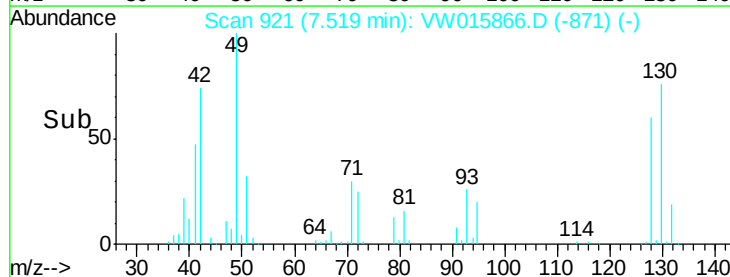
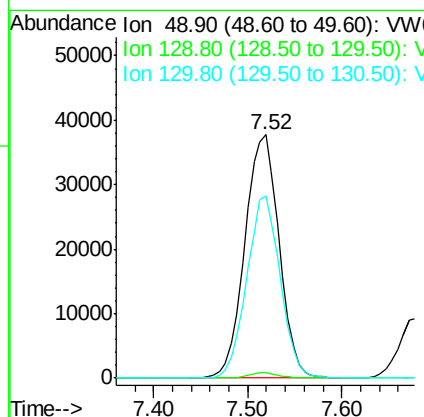
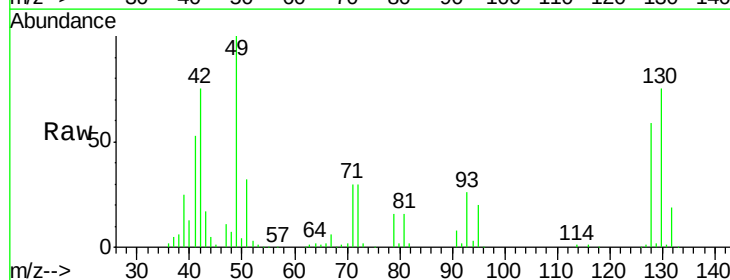
Tot Ion: 96 Resp: 151714
Ion Ratio Lower Upper
96 100
61 150.4 0.0 292.2
98 65.7 0.0 129.0

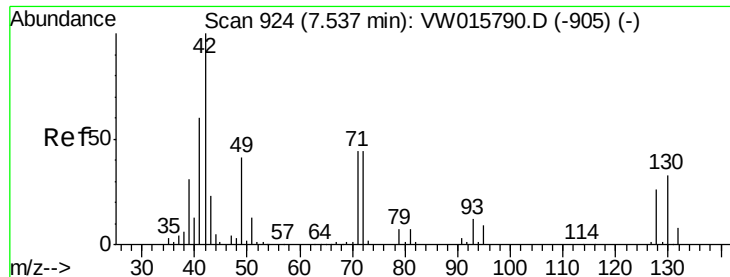


#28

Bromochloromethane
Concen: 48.547 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion: 49 Resp: 95412
Ion Ratio Lower Upper
49 100
129 1.9 0.0 2.6
130 73.3 59.5 89.3

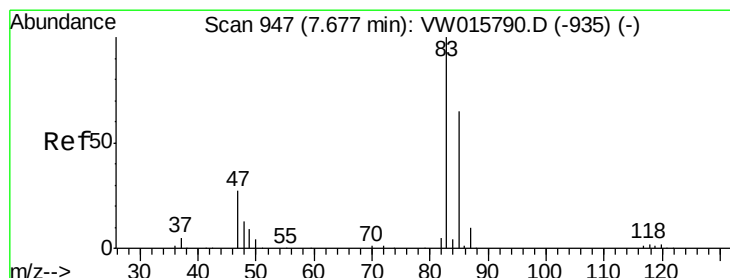
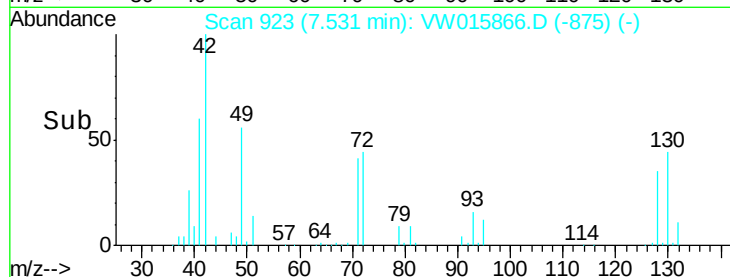
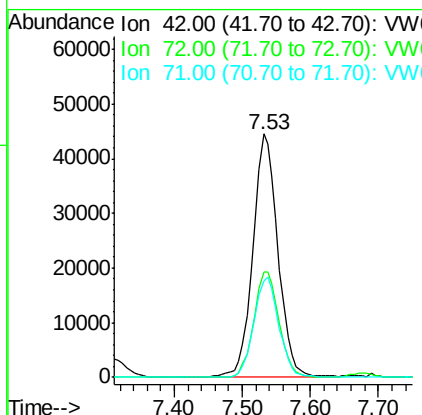
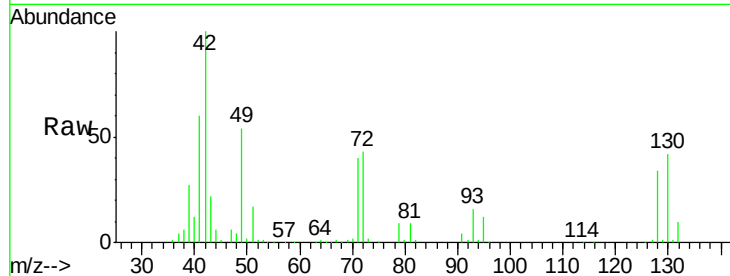




#29
Tetrahydrofuran
Concen: 276.080 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

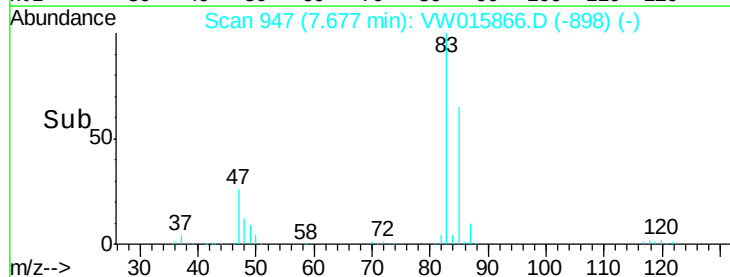
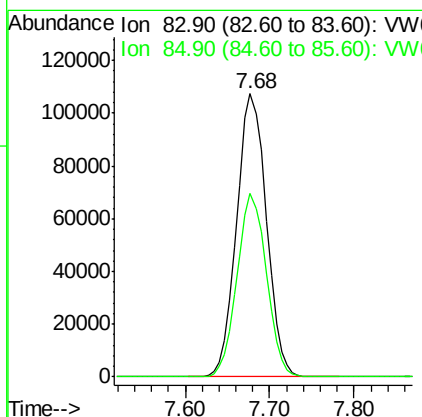
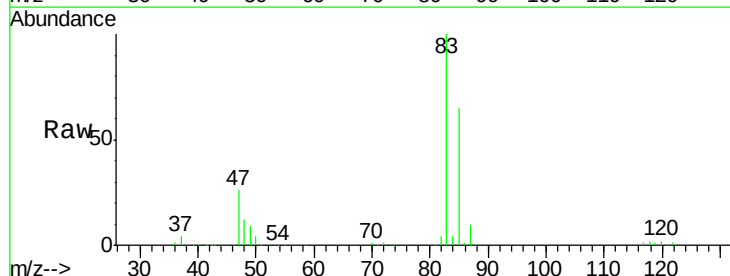
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

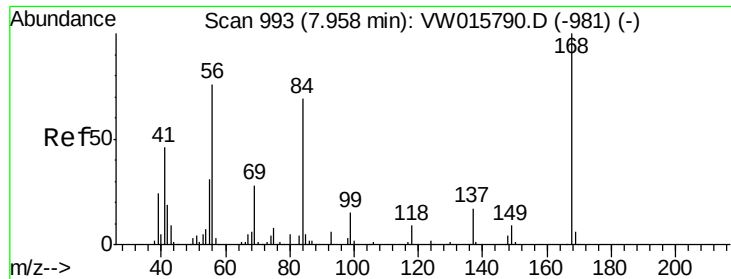
Tot Ion: 42 Resp: 114676
Ion Ratio Lower Upper
42 100
72 43.5 34.6 51.8
71 41.0 32.8 49.2



#30
Chloroform
Concen: 50.589 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion: 83 Resp: 256374
Ion Ratio Lower Upper
83 100
85 64.7 51.6 77.4

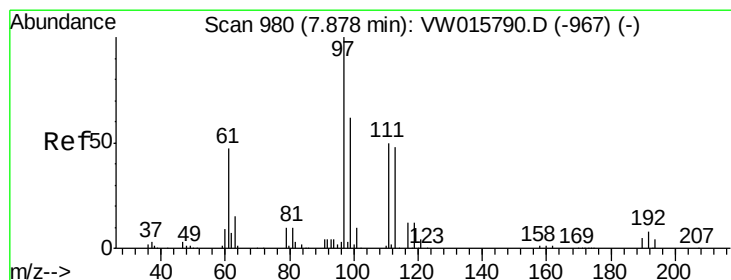
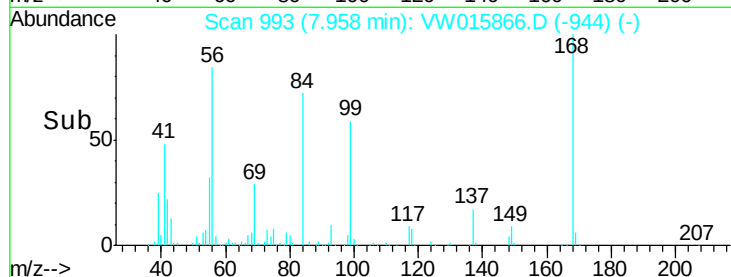
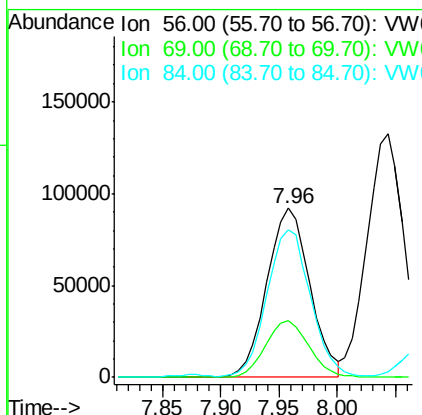
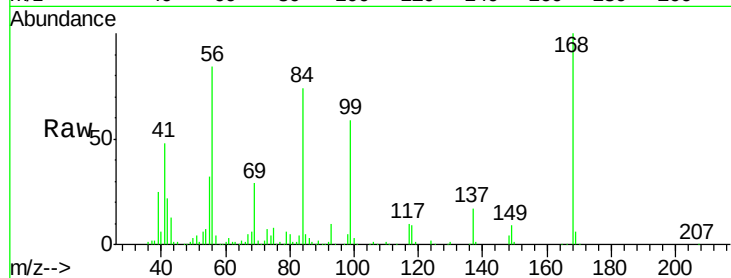




#31
Cyclohexane
Concen: 50.169 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

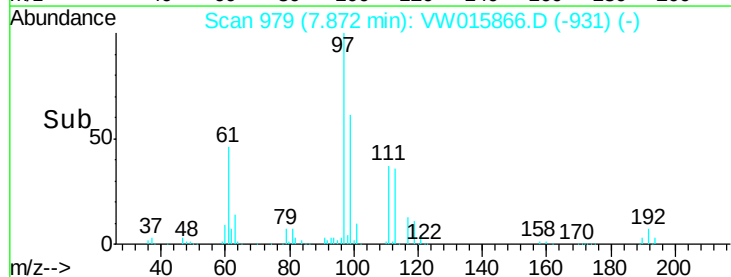
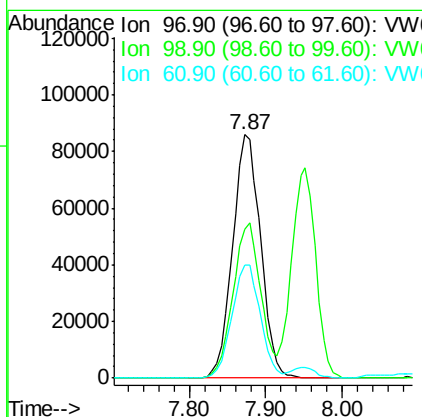
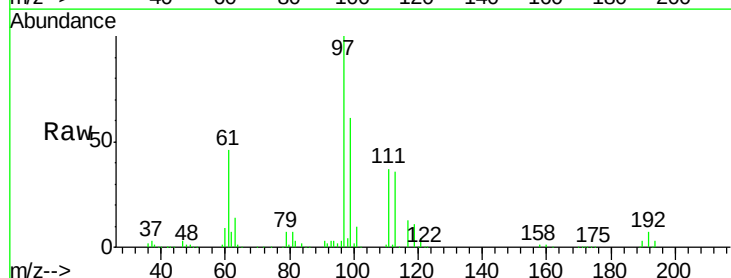
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

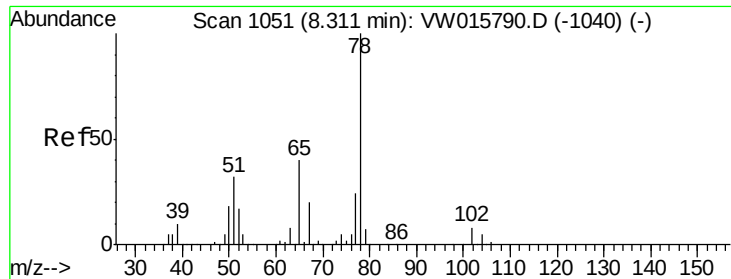
Tot Ion: 56 Resp: 234076
Ion Ratio Lower Upper
56 100
69 33.9 28.9 43.3
84 86.1 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 51.135 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion: 97 Resp: 217296
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 47.0 38.6 57.8

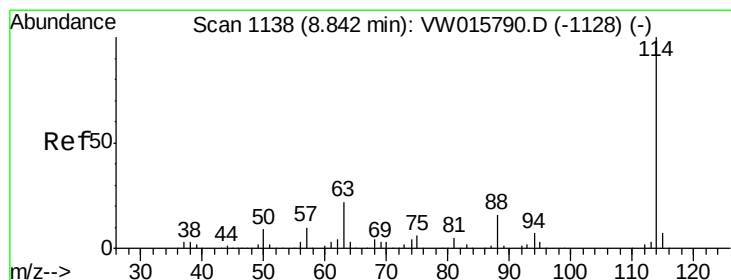
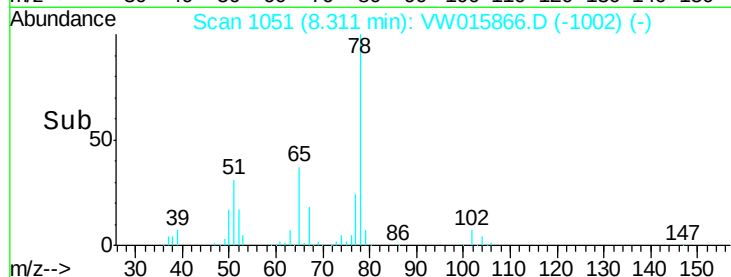
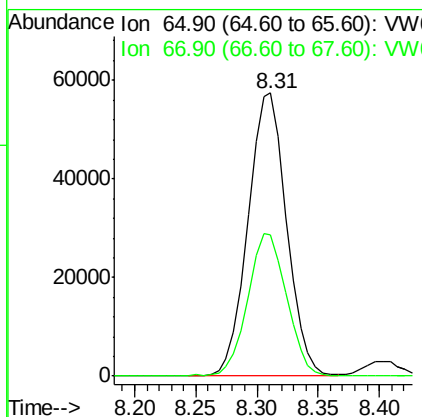
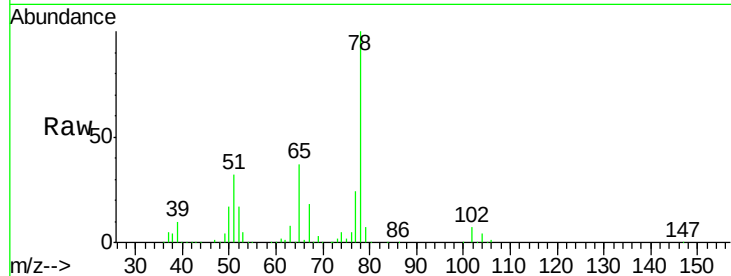




#33
 1,2-Dichloroethane-d4
 Concen: 46.816 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

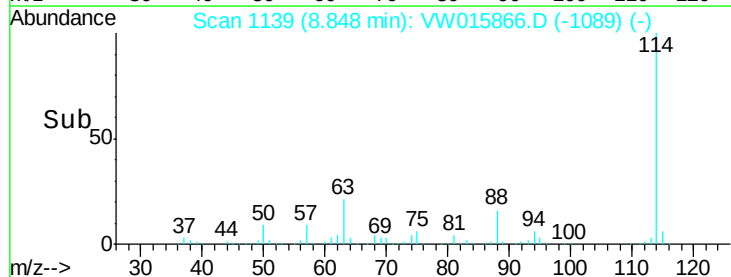
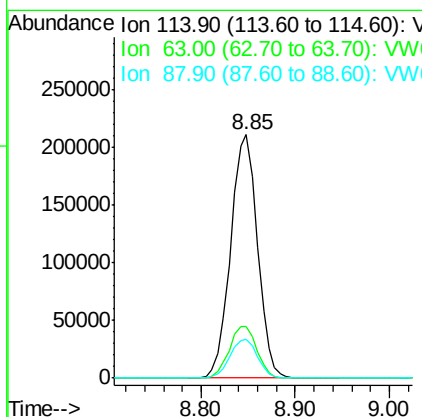
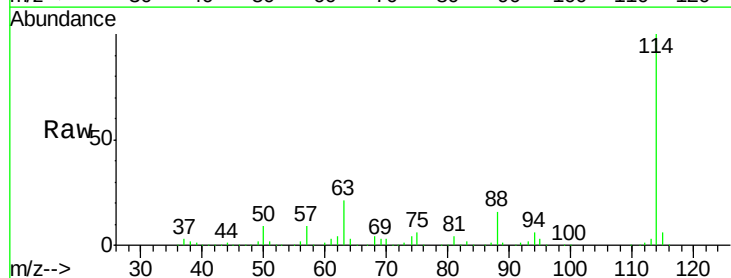
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

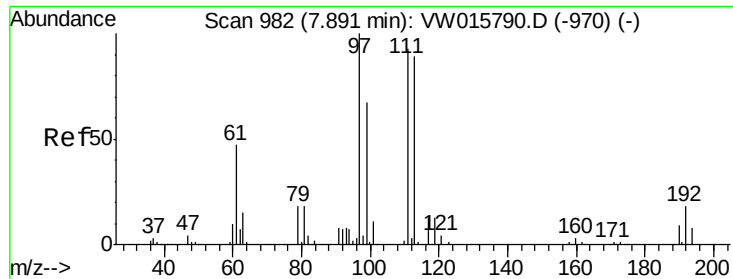
Tot Ion: 65 Resp: 126172
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion: 114 Resp: 417355
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 44.4
 88 16.0 0.0 32.6

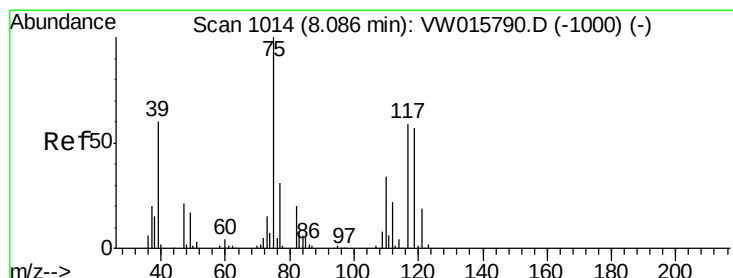
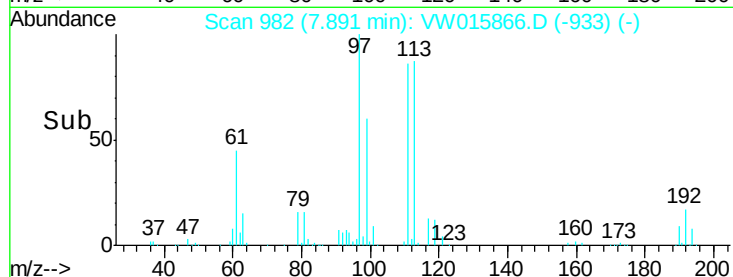
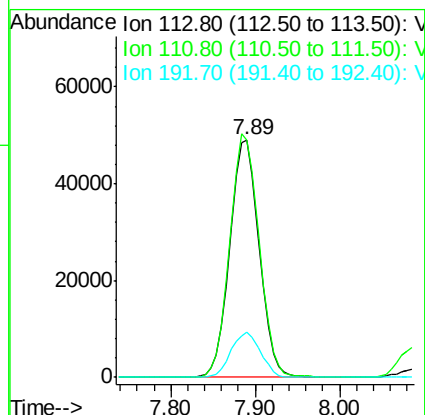
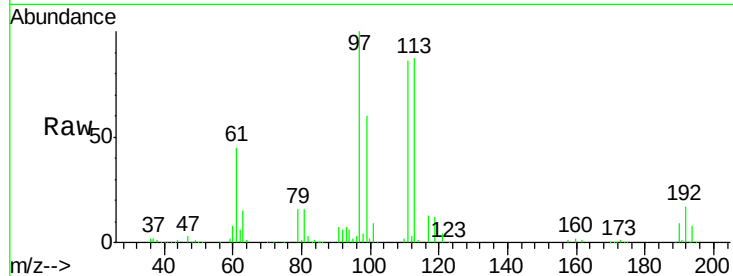




#35
 Dibromofluoromethane
 Concen: 47.593 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

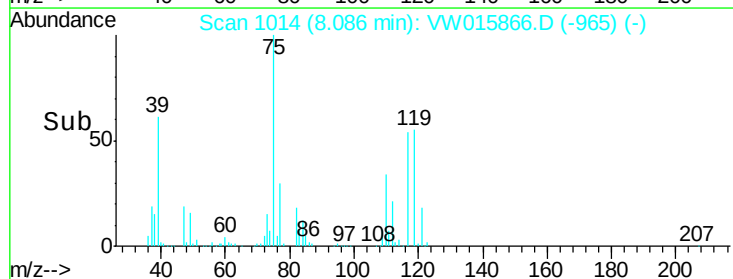
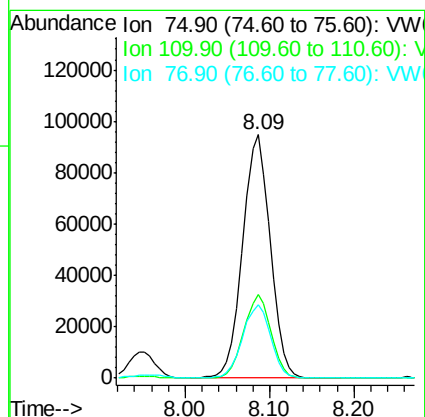
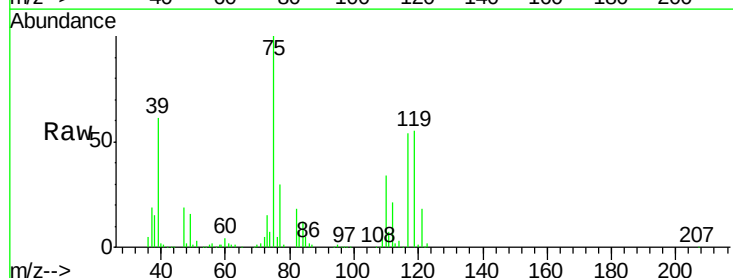
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

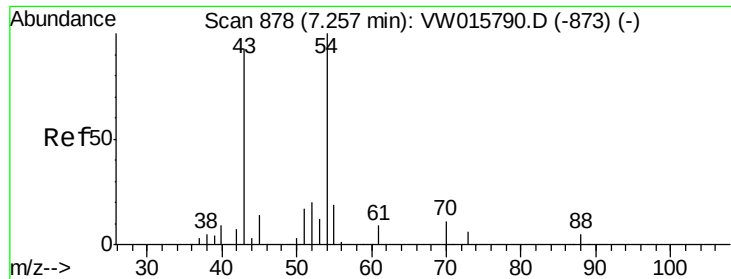
Tot Ion:113 Resp: 115884
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 19.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 50.894 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion: 75 Resp: 209383
 Ion Ratio Lower Upper
 75 100
 110 33.8 16.8 50.3
 77 31.0 24.7 37.1

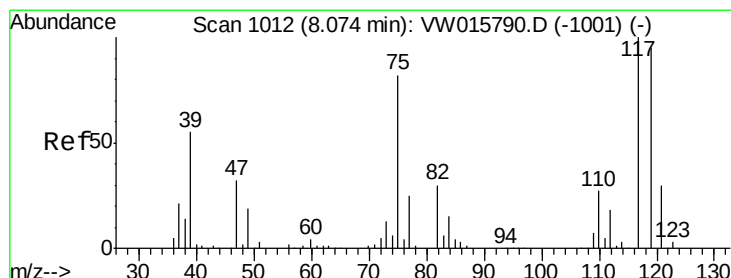
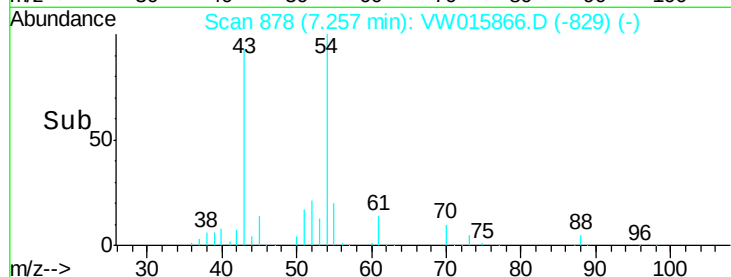
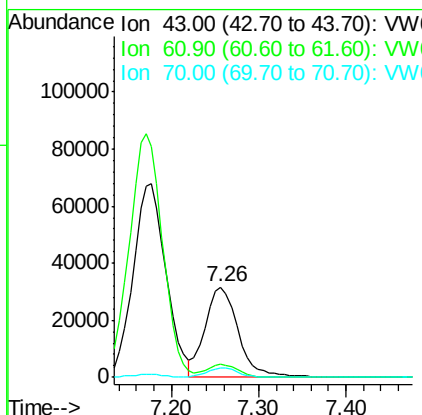
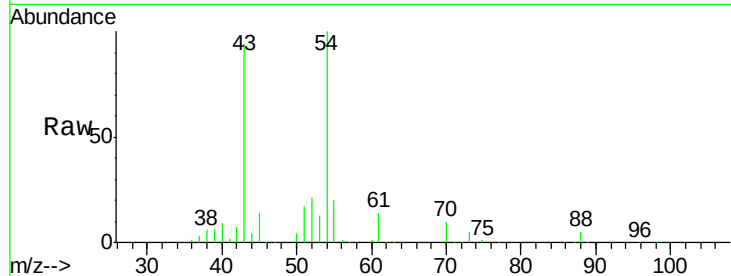




#37
Ethyl Acetate
Concen: 51.446 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

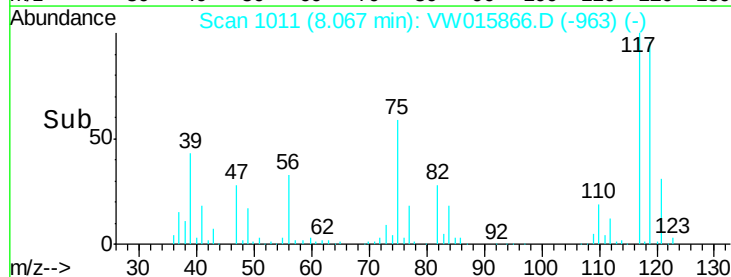
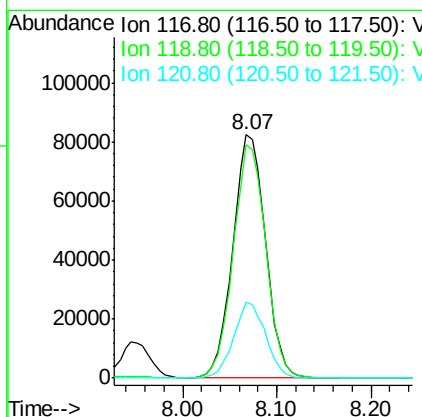
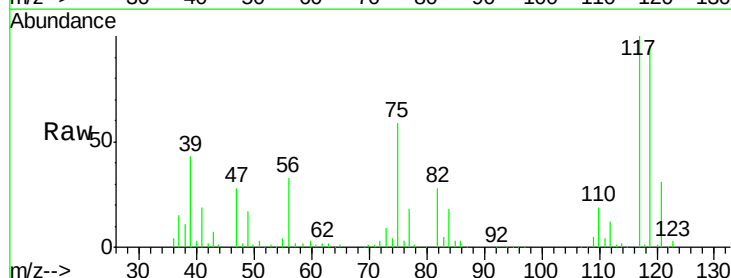
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

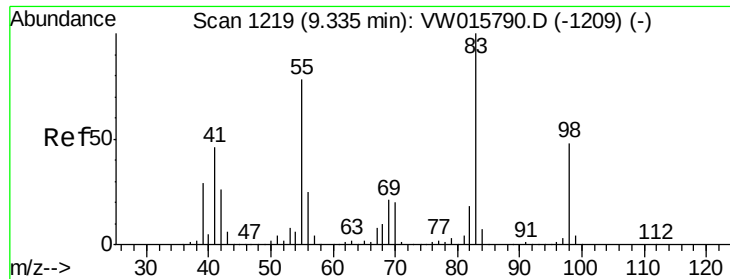
Tot Ion: 43 Resp: 82241
Ion Ratio Lower Upper
43 100
61 13.4 10.4 15.6
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.112 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion: 117 Resp: 199494
Ion Ratio Lower Upper
117 100
119 96.0 76.3 114.5
121 31.2 24.0 36.0

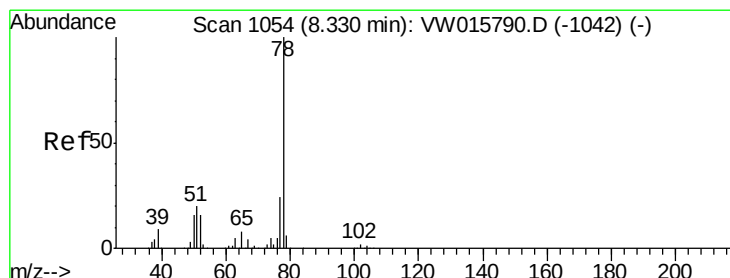
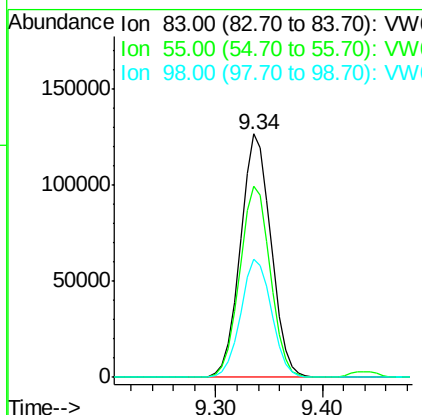
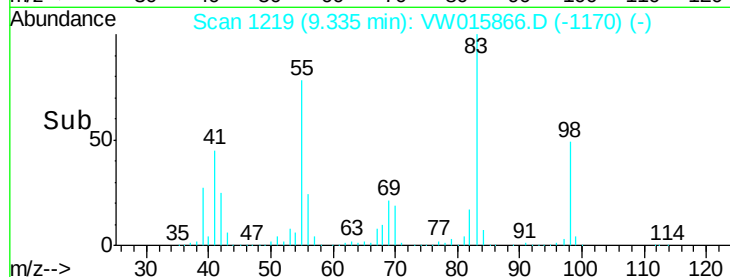
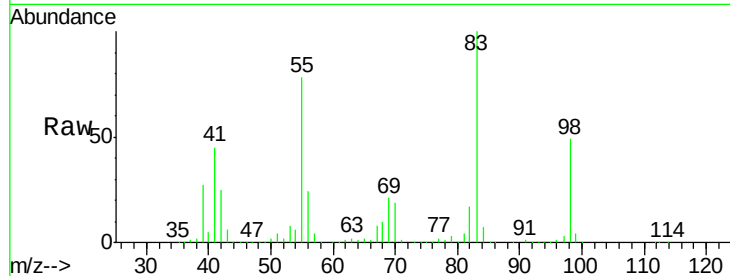




#39
Methylvlcyclohexane
Concen: 52.568 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

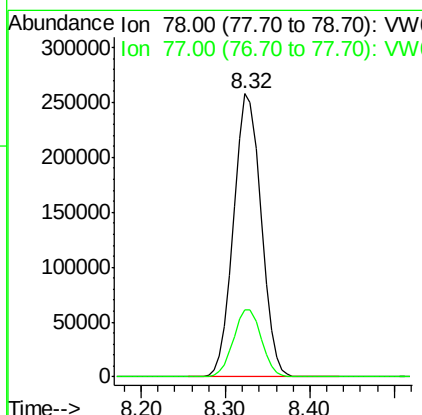
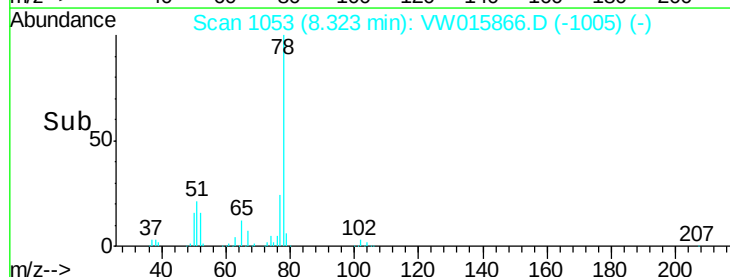
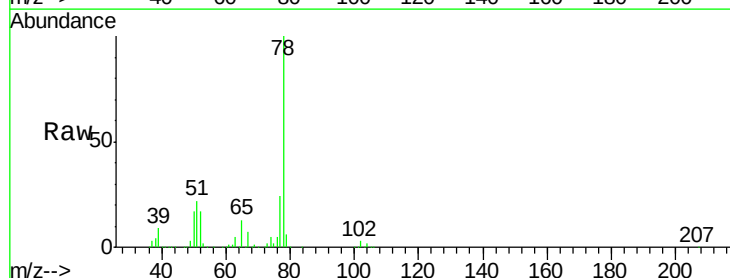
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

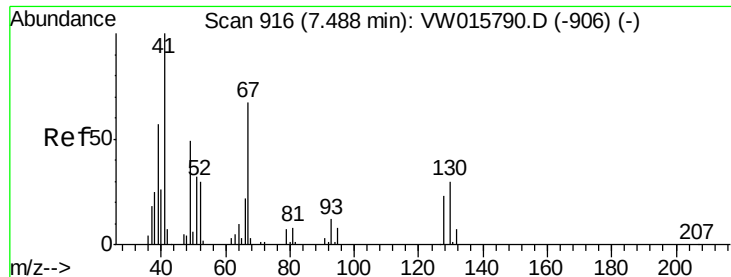
Tot Ion: 83 Resp: 255201
Ion Ratio Lower Upper
83 100
55 78.4 62.6 94.0
98 48.7 38.6 58.0



#40
Benzene
Concen: 50.529 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion: 78 Resp: 569446
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

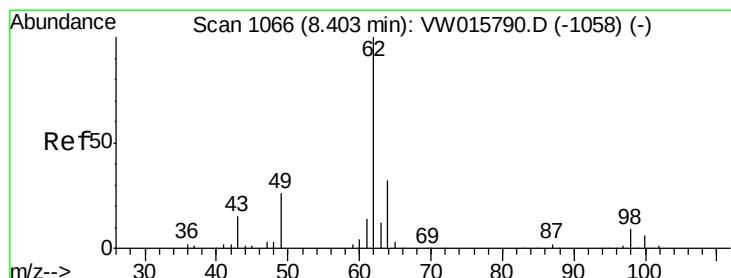
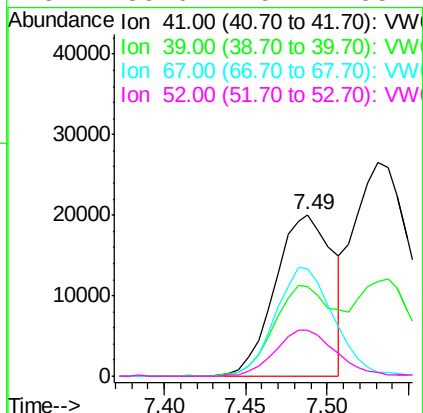
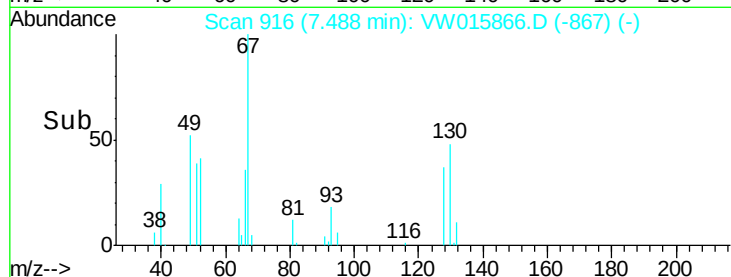
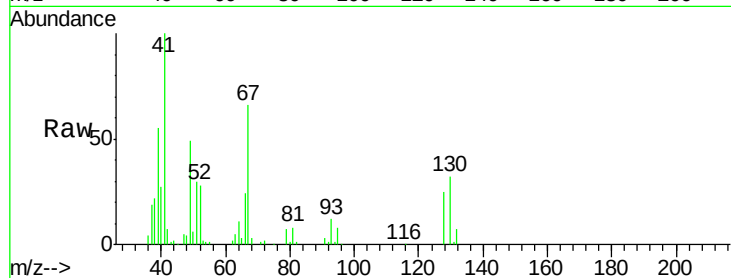




#41
Methacrylonitrile
Concen: 54.378 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

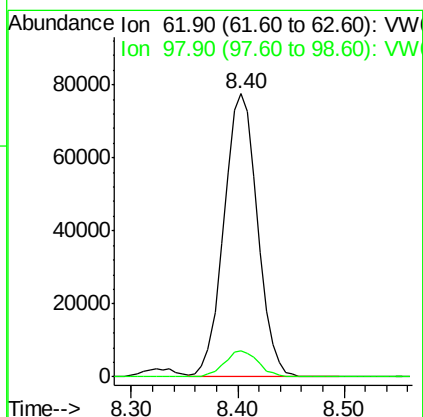
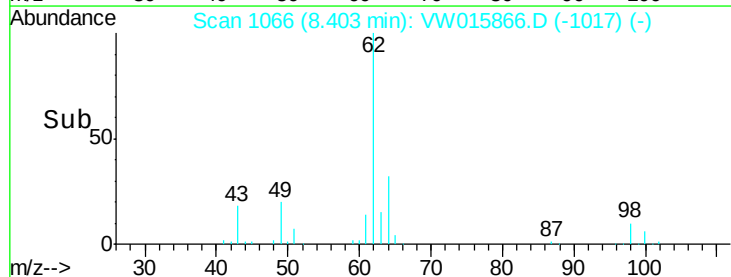
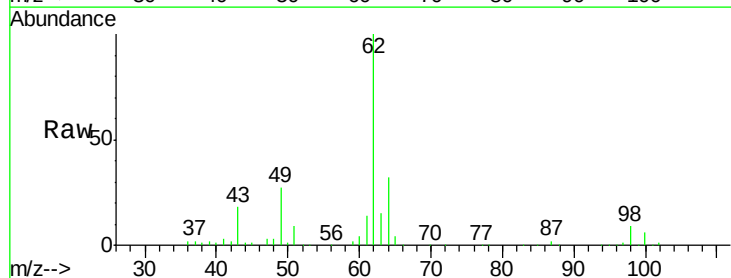
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

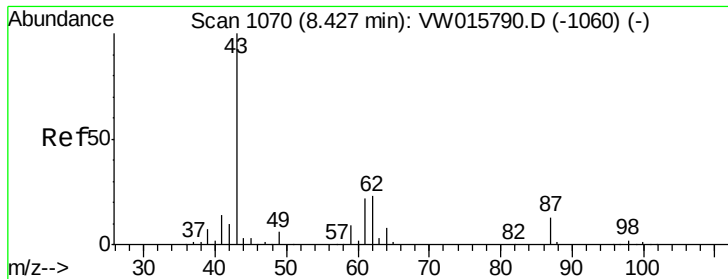
Tot Ion:	41	Resp:	49351
Ion	Ratio	Lower	Upper
41	100		
39	61.4	44.6	66.8
67	68.3	56.4	84.6
52	30.6	25.4	38.2



#42
1,2-Dichloroethane
Concen: 48.640 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion:	62	Resp:	170605
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 50.586 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

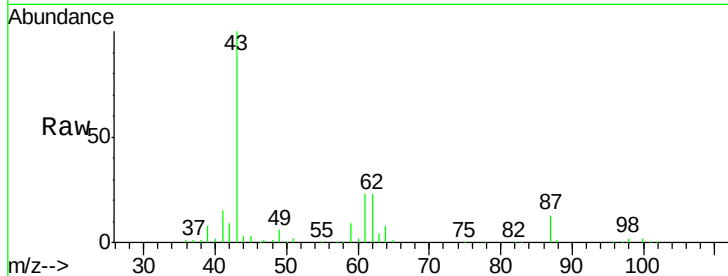
Tot Ion: 43 Resp: 157847

Ion Ratio Lower Upper

43 100

61 31.3 24.8 37.2

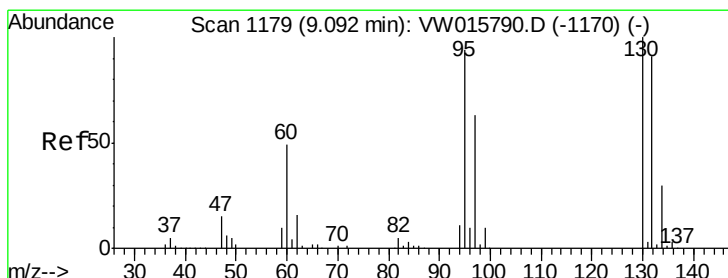
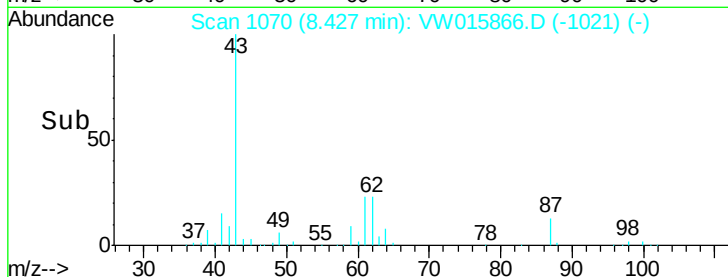
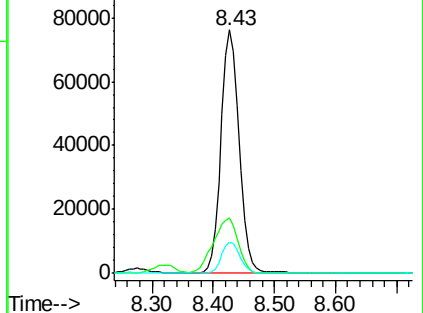
87 13.1 10.4 15.6



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: 50.215 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015866.D

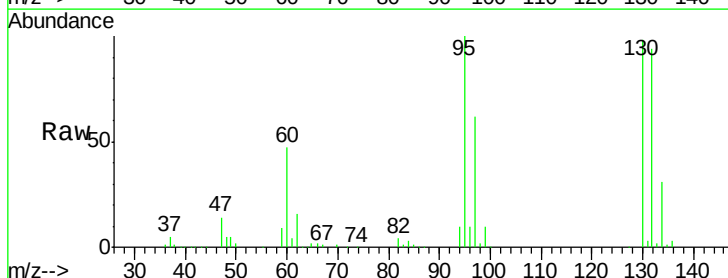
Acq: 16 Jul 2020 16:54

Tgt Ion:130 Resp: 149682

Ion Ratio Lower Upper

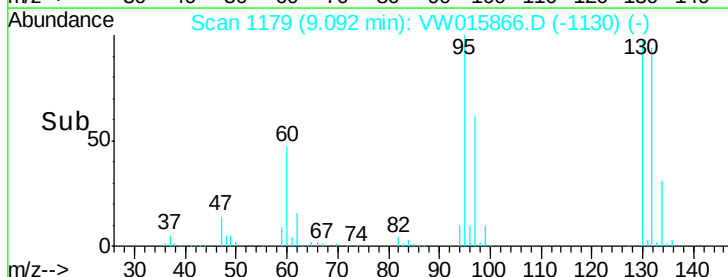
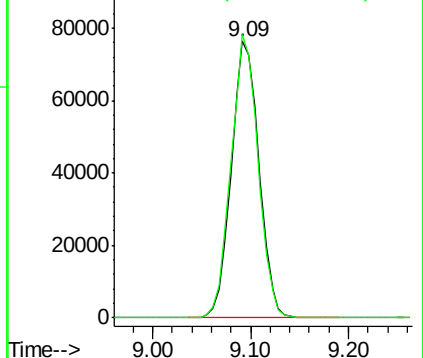
130 100

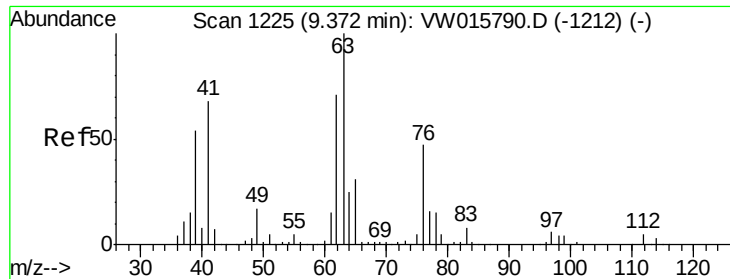
95 102.2 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

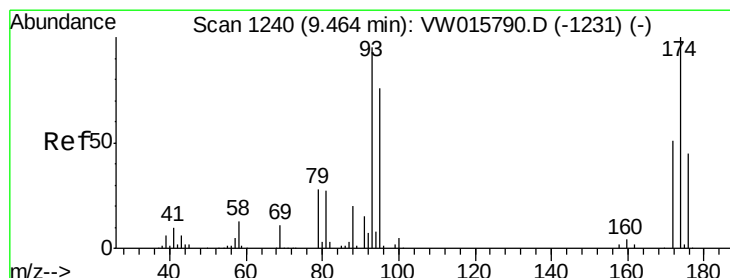
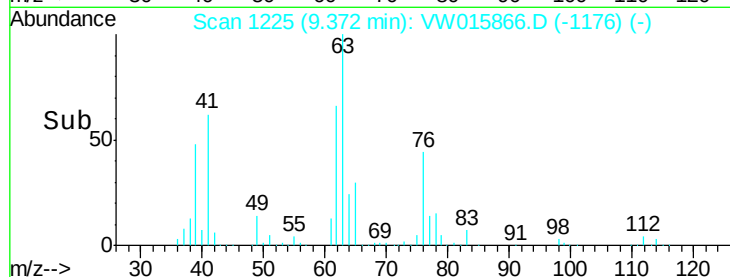
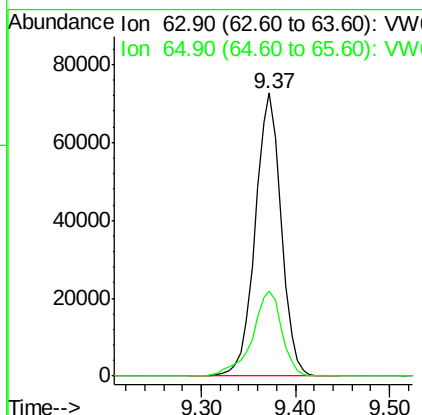
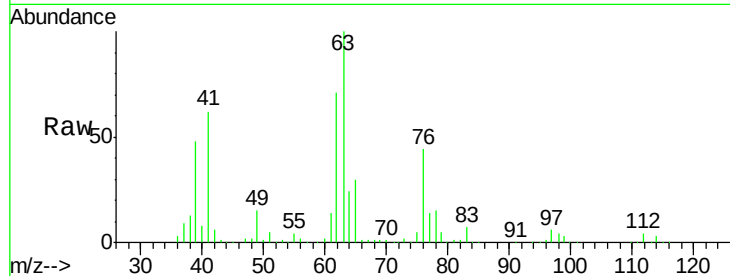




#45
 1,2-Dichloropropane
 Concen: 50.577 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

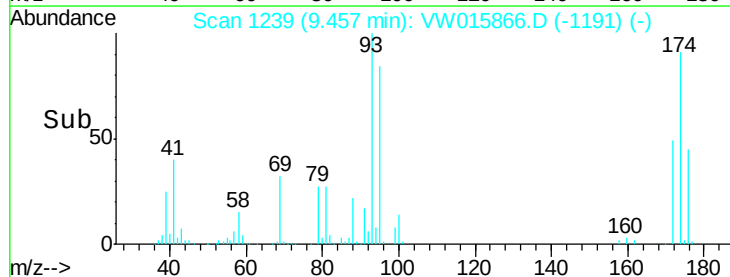
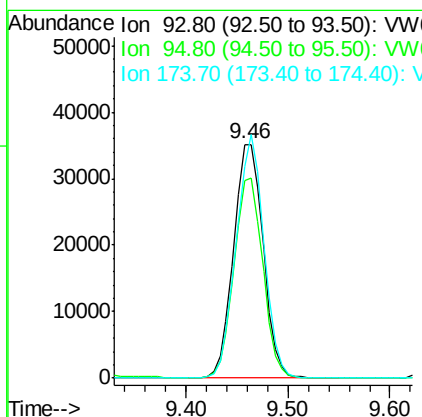
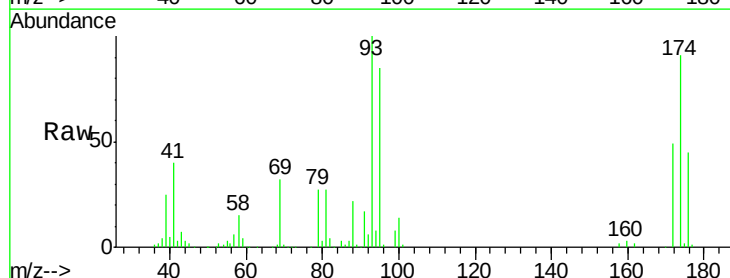
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

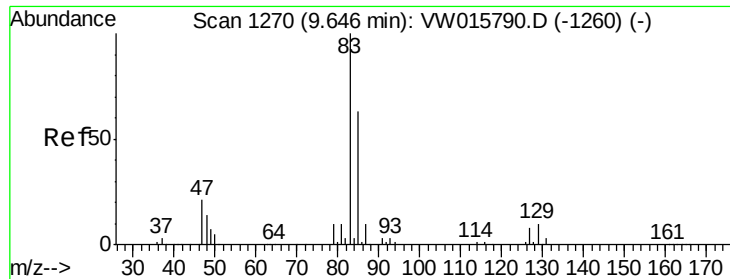
Tot Ion: 63 Resp: 140102
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.5 36.7



#46
 Dibromomethane
 Concen: 49.618 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion: 93 Resp: 70762
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.0 99.0
 174 97.5 78.7 118.1





#47

Bromodichloromethane

Concen: 50.663 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

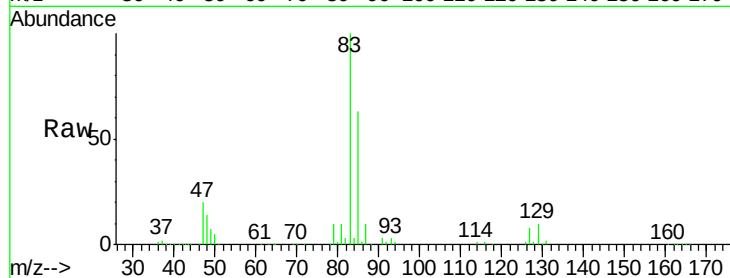
Tot Ion: 83 Resp: 186883

Ion Ratio Lower Upper

83 100

85 63.3 50.6 76.0

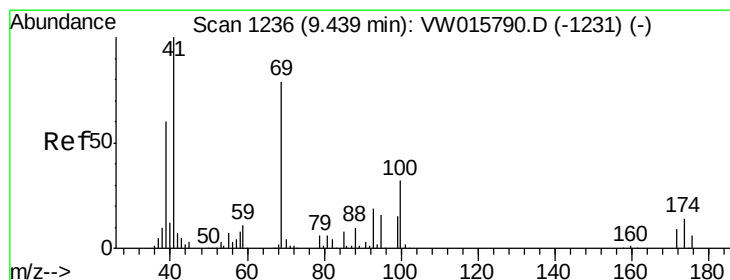
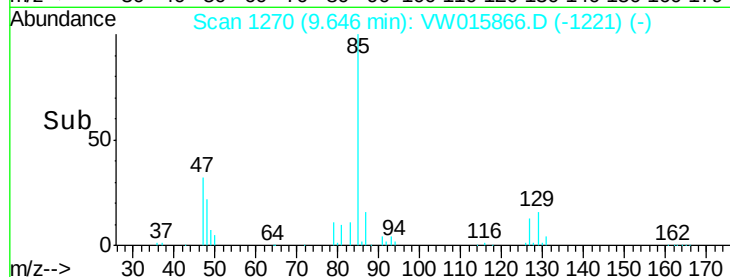
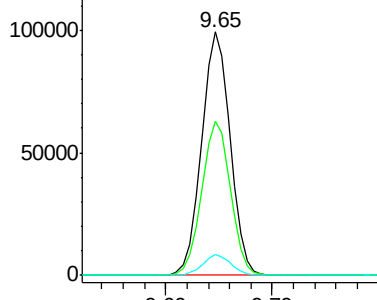
127 8.4 6.2 9.2



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: 52.984 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

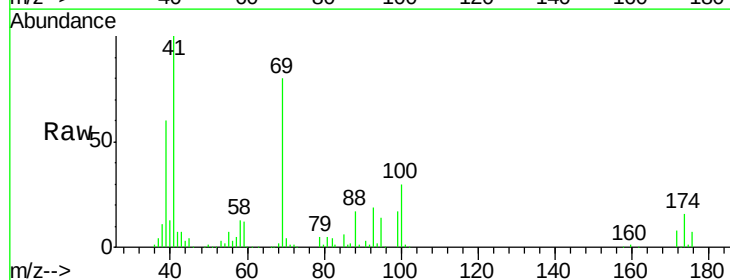
Tgt Ion: 41 Resp: 75769

Ion Ratio Lower Upper

41 100

69 86.3 67.1 100.7

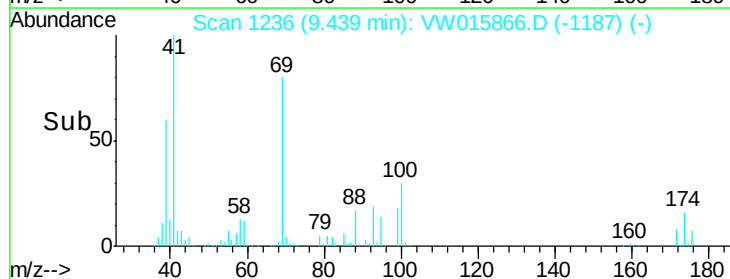
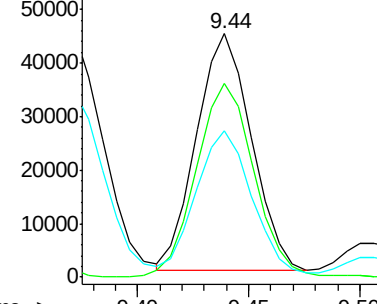
39 60.1 49.9 74.9

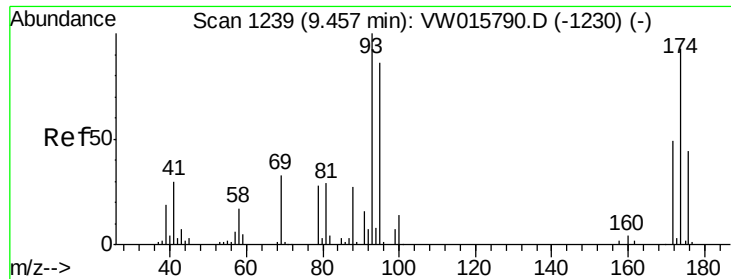


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1142.659 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

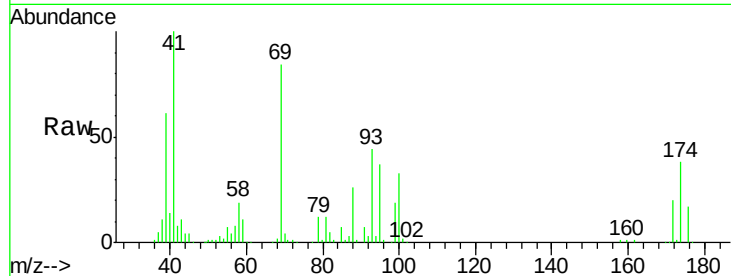
Tot Ion: 88 Resp: 20147

Ion Ratio Lower Upper

88 100

43 37.2 28.1 42.1

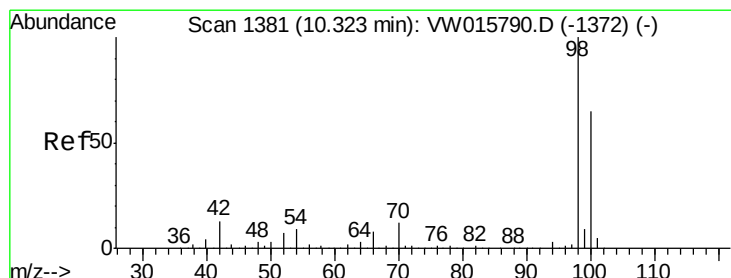
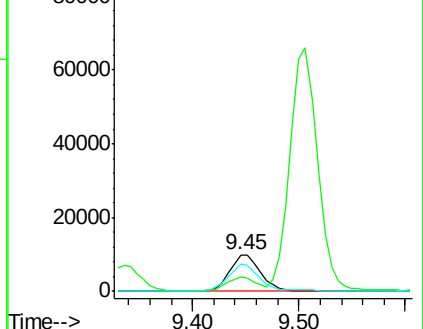
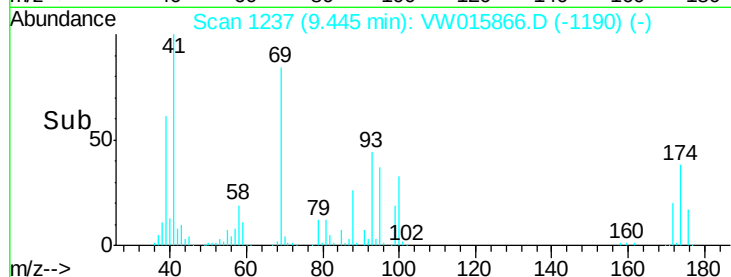
58 74.7 59.3 88.9



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: 47.645 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015866.D

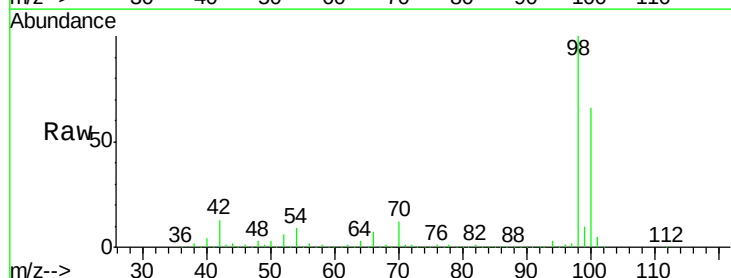
Acq: 16 Jul 2020 16:54

Tgt Ion: 98 Resp: 445619

Ion Ratio Lower Upper

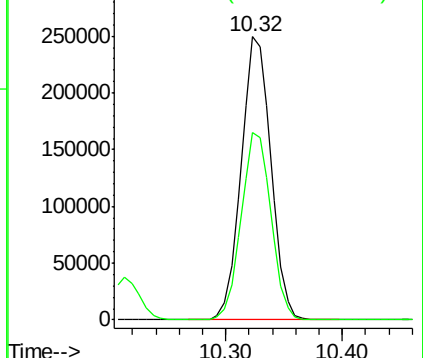
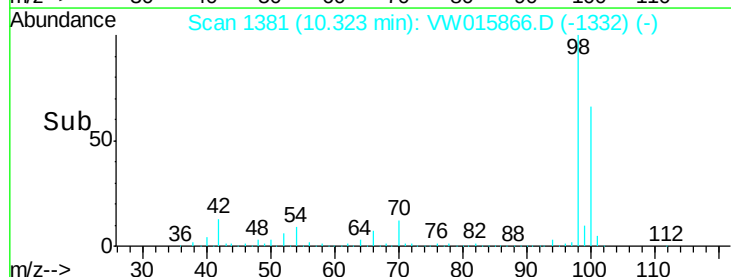
98 100

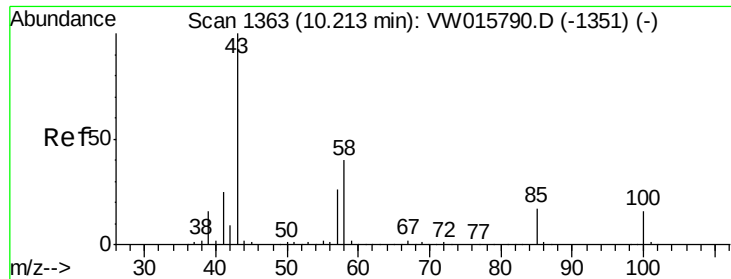
100 66.4 52.6 79.0



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: 265.171 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

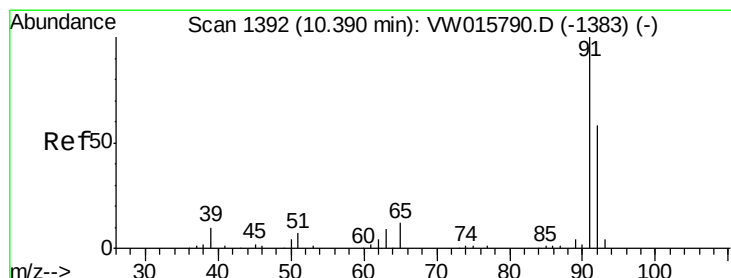
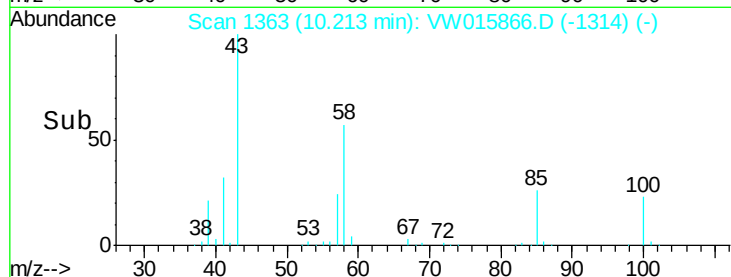
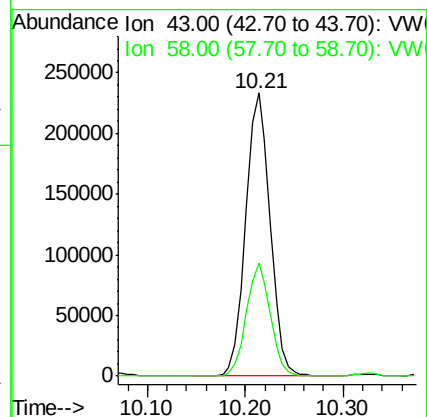
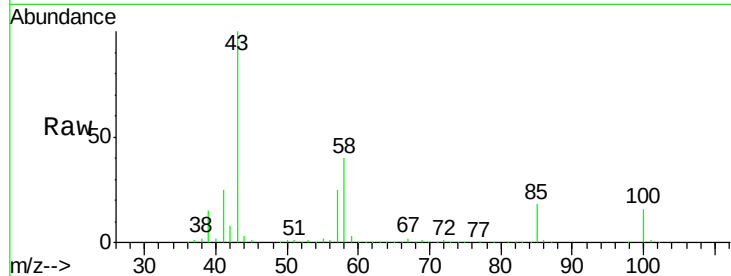
VSTDCCC050EC

Tot Ion: 43 Resp: 403766

Ion Ratio Lower Upper

43 100

58 39.0 30.9 46.3



#52

Toluene

Concen: 50.778 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015866.D

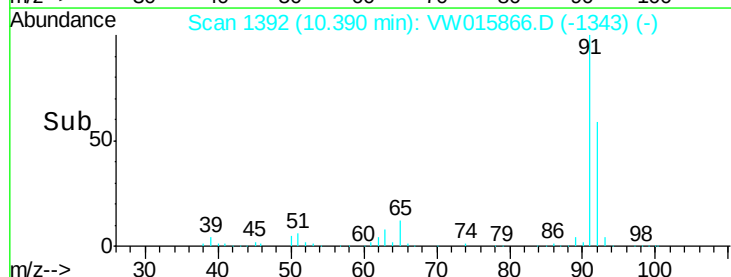
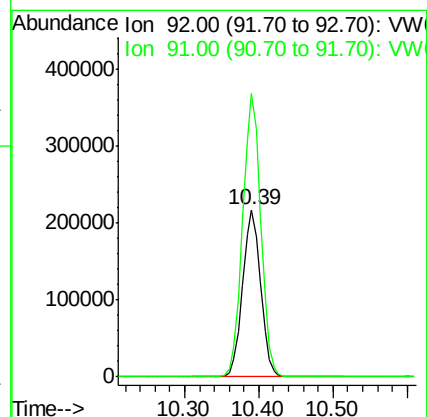
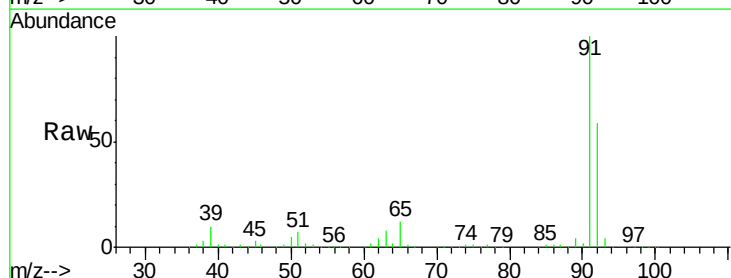
Acq: 16 Jul 2020 16:54

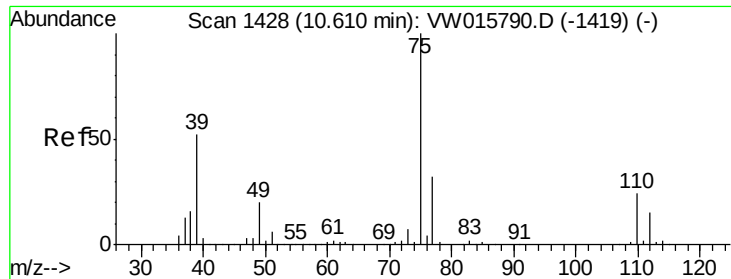
Tgt Ion: 92 Resp: 368256

Ion Ratio Lower Upper

92 100

91 170.9 137.1 205.7

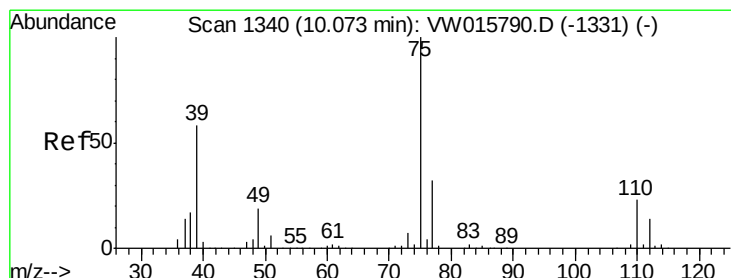
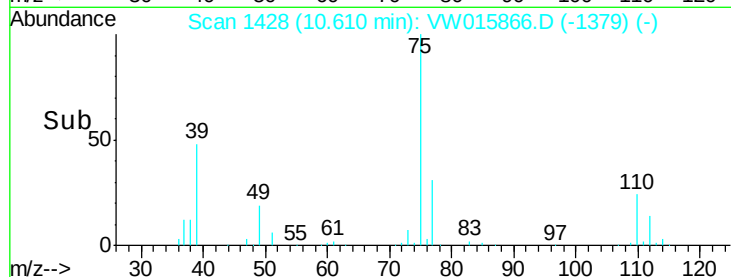
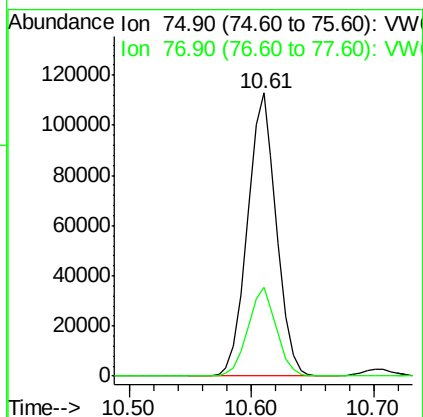
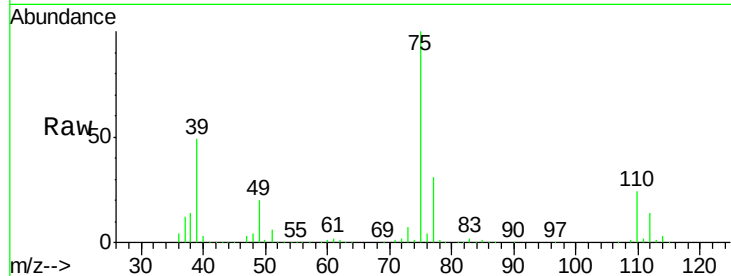




#53
 t-1,3-Dichloropropene
 Concen: 52.281 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

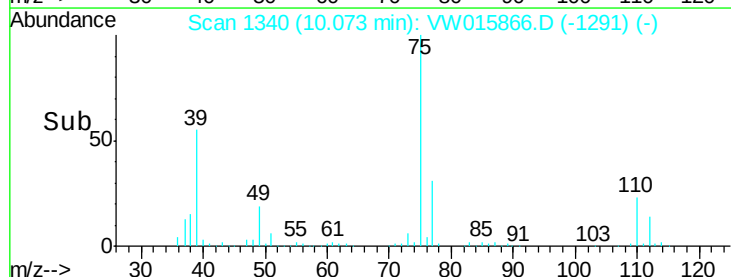
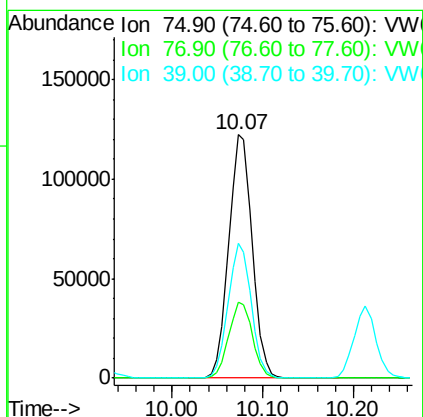
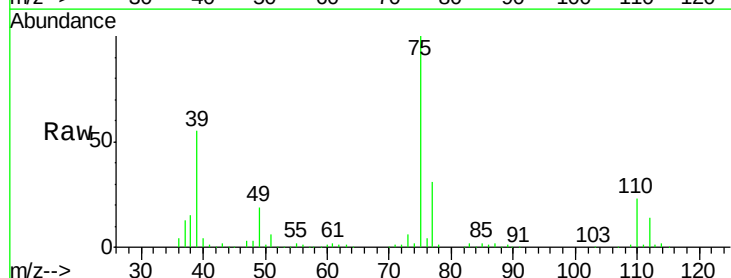
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

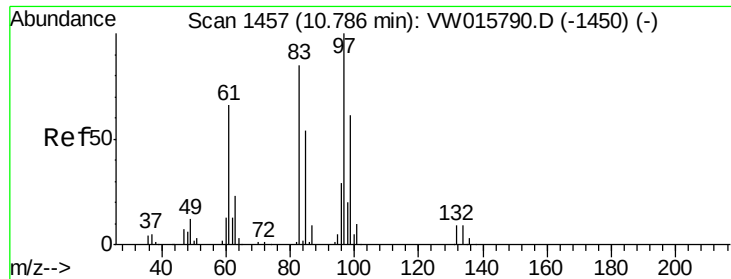
Tot Ion: 75 Resp: 185038
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.864 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion: 75 Resp: 219578
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8
 39 55.1 46.0 69.0

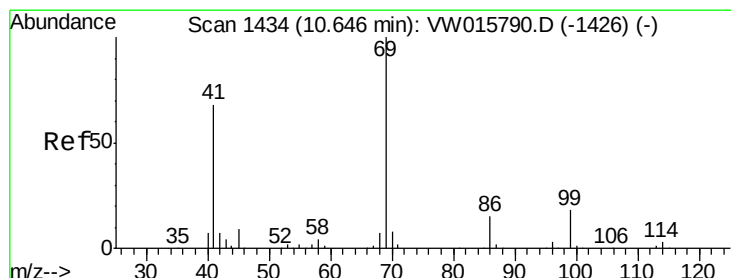
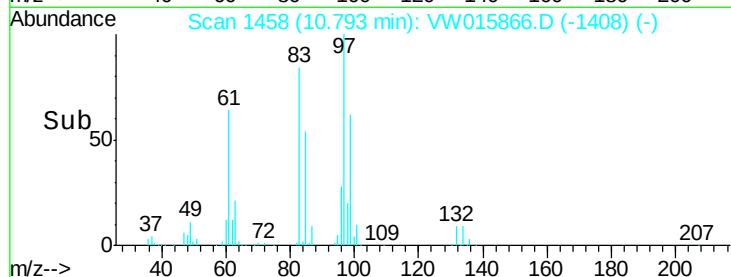
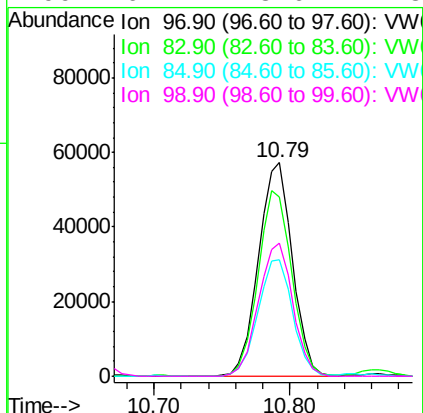
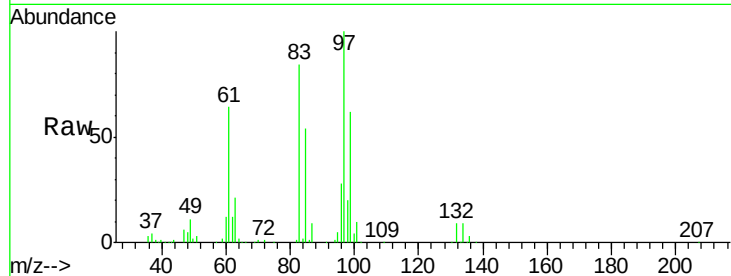




#55
 1,1,2-Trichloroethane
 Concen: 50.484 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

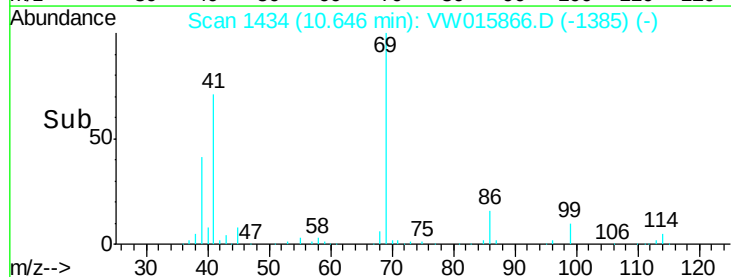
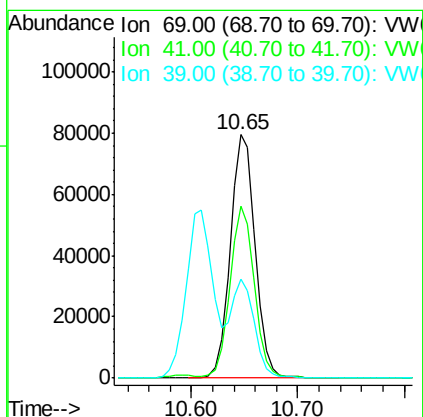
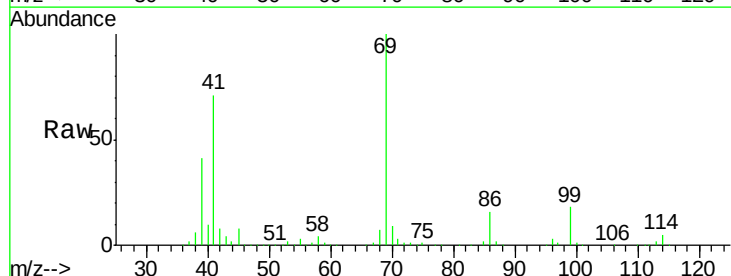
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

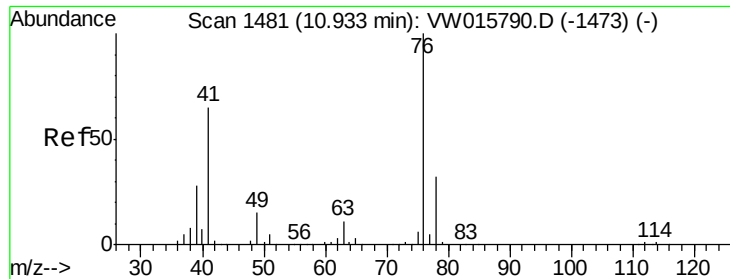
Tot Ion:	97	Resp:	99834
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.2	102.4
85	54.3	43.4	65.0
99	62.4	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 53.374 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion:	69	Resp:	129765
Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.0	82.6
39	39.2	33.8	50.8

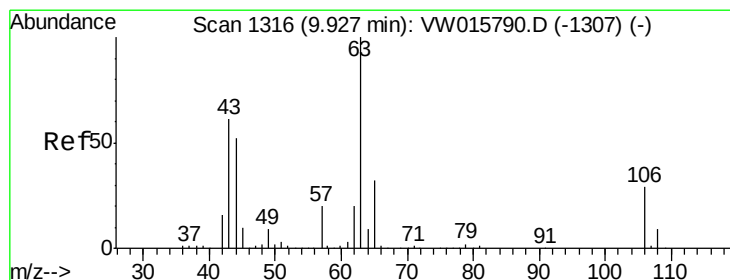
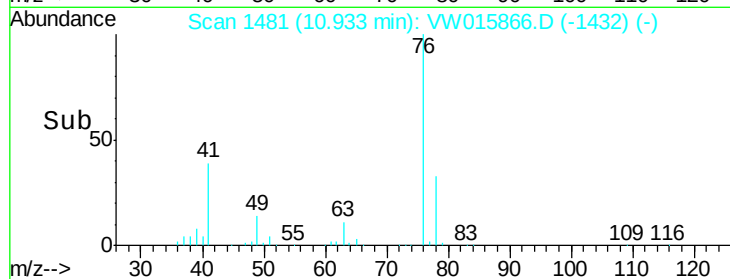
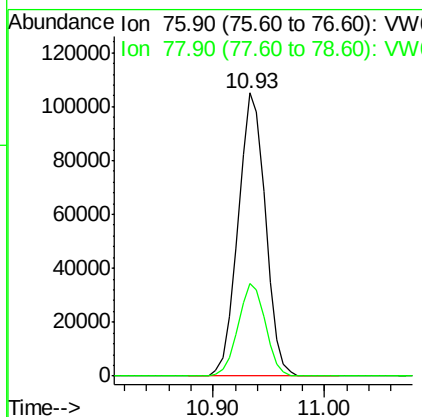
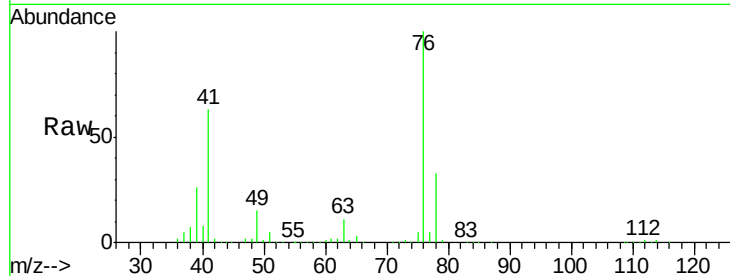




#57
 1,3-Dichloropropane
 Concen: 50.948 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

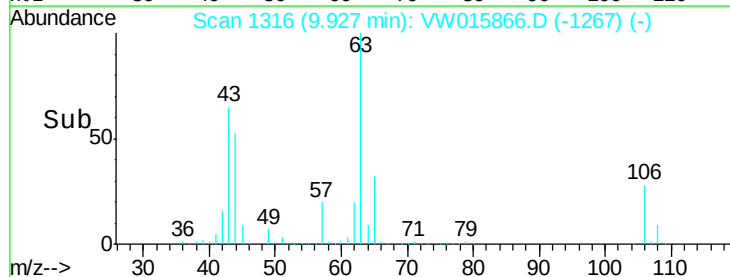
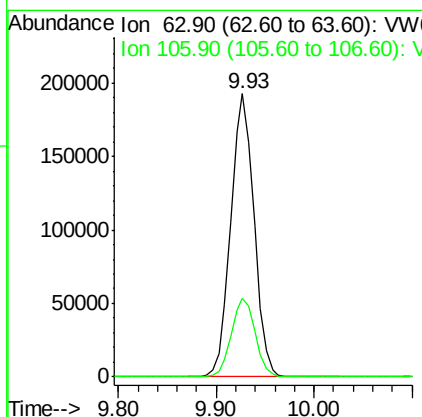
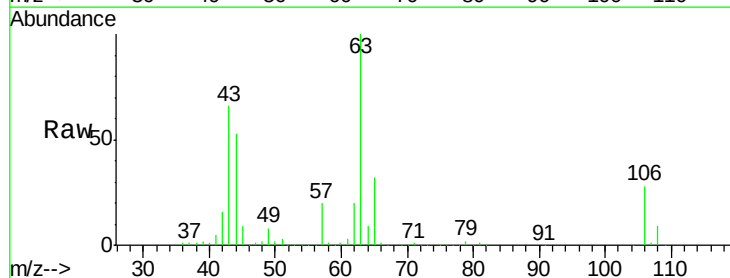
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

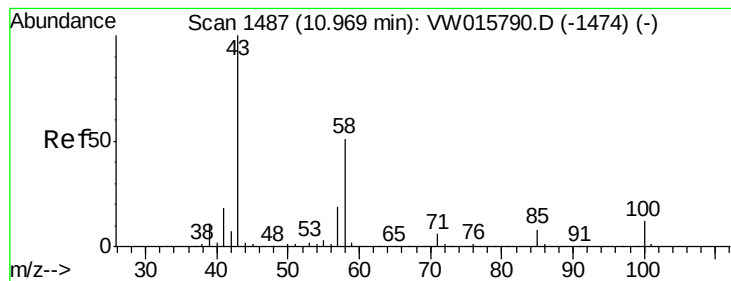
Tot Ion: 76 Resp: 178353
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.896 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion: 63 Resp: 318245
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.1 34.7





#59

2-Hexanone

Concen: 270.809 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

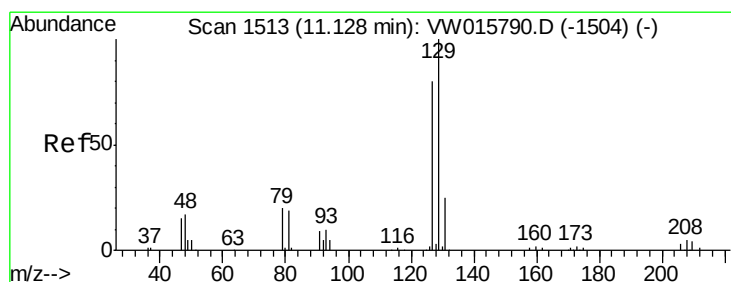
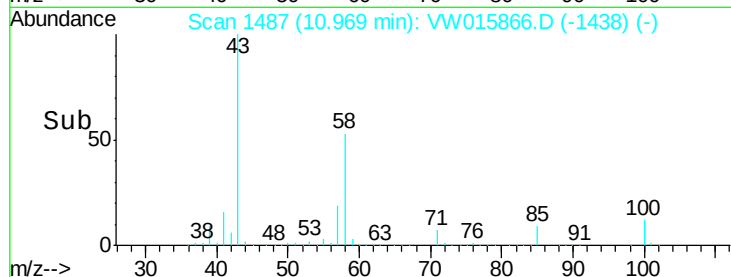
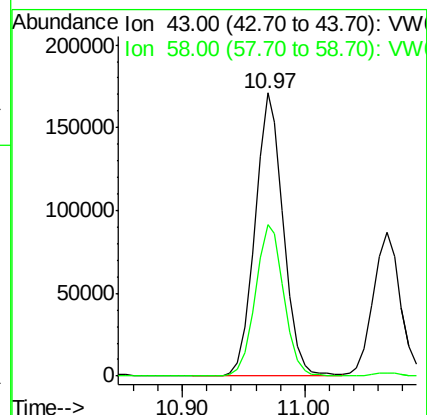
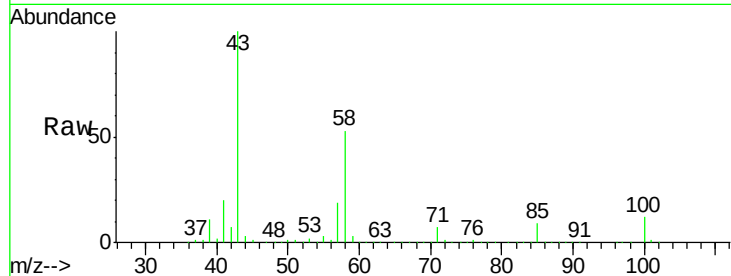
VSTDCCC050EC

Tot Ion: 43 Resp: 275184

Ion Ratio Lower Upper

43 100

58 54.0 26.2 78.5



#60

Dibromochloromethane

Concen: 51.335 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015866.D

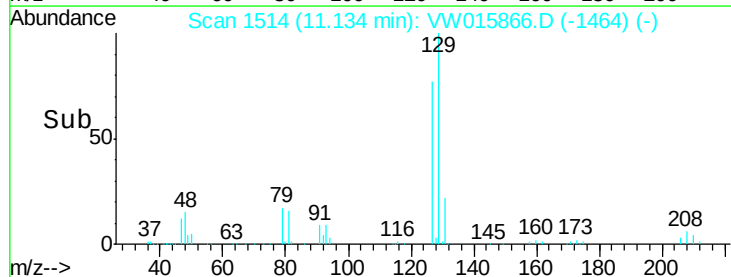
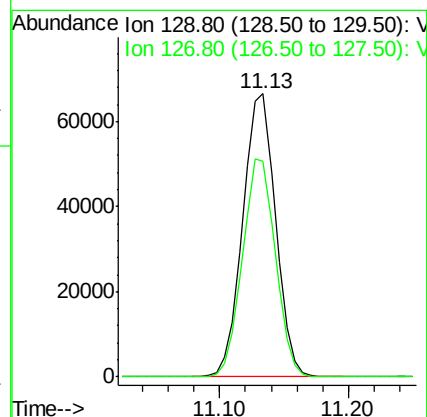
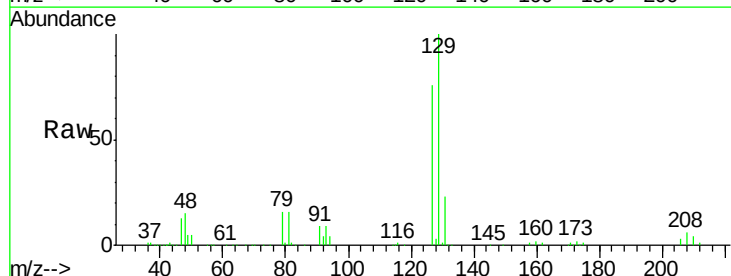
Acq: 16 Jul 2020 16:54

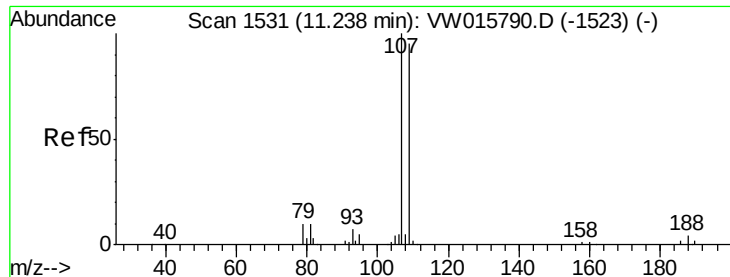
Tgt Ion: 129 Resp: 117243

Ion Ratio Lower Upper

129 100

127 77.3 39.4 118.1





#61

1,2-Dibromoethane

Concen: 50.754 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

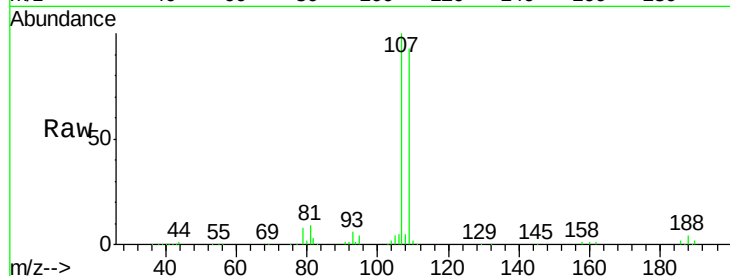
VSTDCCC050EC

Tot Ion:107 Resp: 96036

Ion Ratio Lower Upper

107 100

109 94.7 77.0 115.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

60000

50000

40000

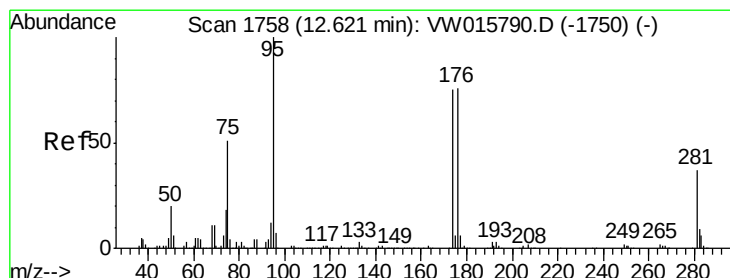
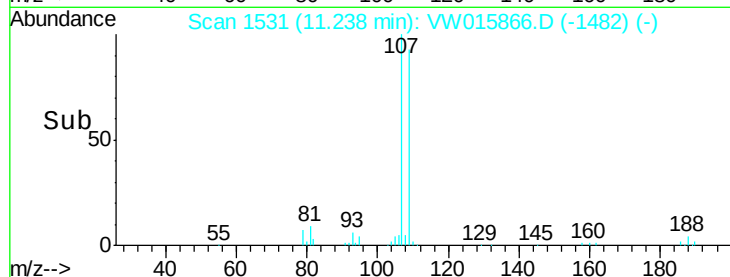
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.413 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

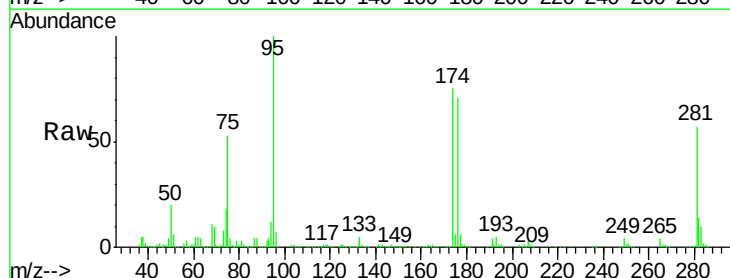
Tgt Ion: 95 Resp: 166153

Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.2

176 72.3 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

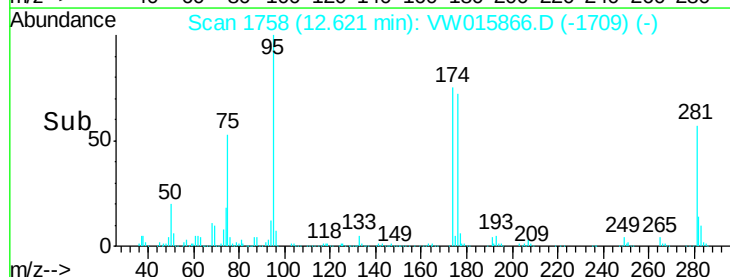
12.62

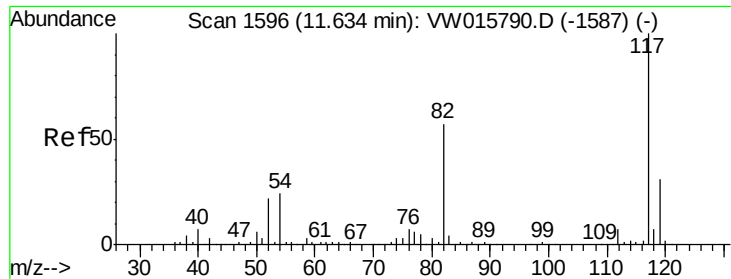
100000

50000

0

Time-->

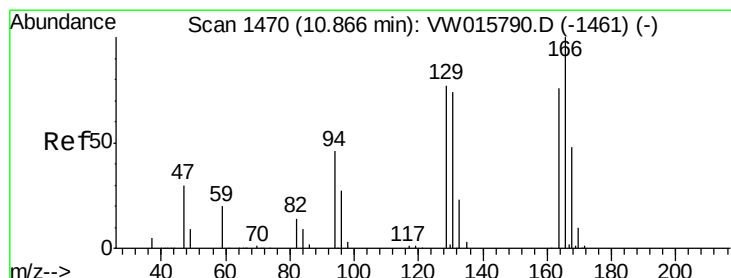
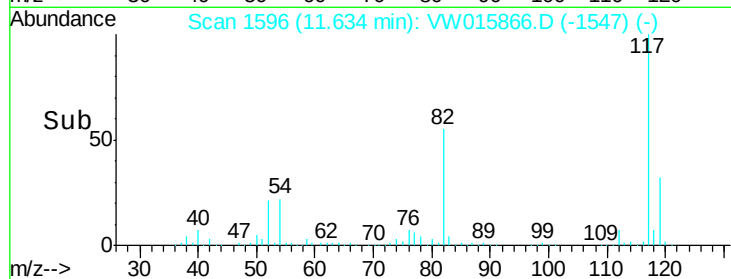
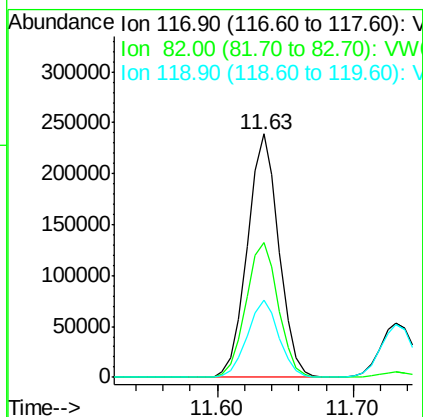
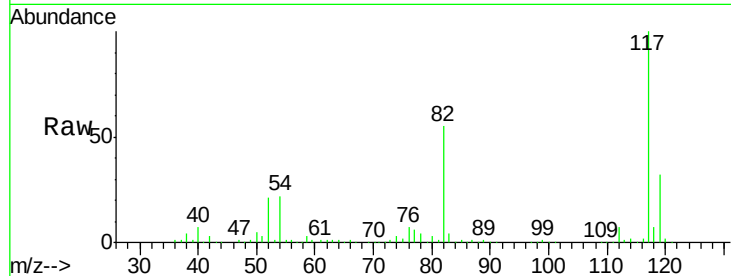




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

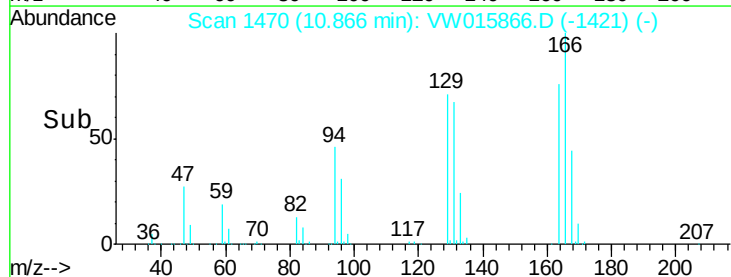
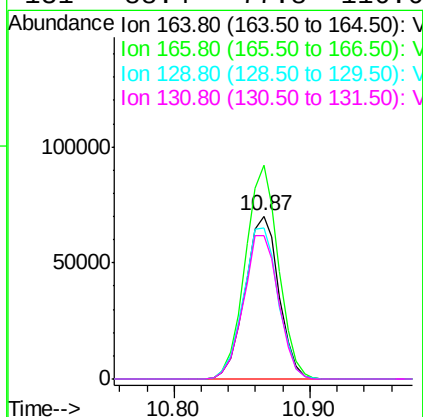
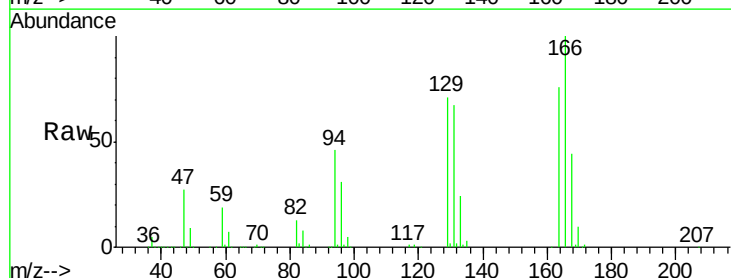
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

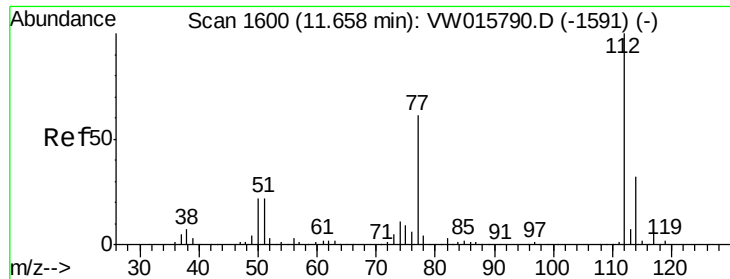
Tot Ion:117 Resp: 387146
Ion Ratio Lower Upper
117 100
82 55.3 45.5 68.3
119 31.9 25.0 37.6



#64
Tetrachloroethene
Concen: 49.682 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion:164 Resp: 121722
Ion Ratio Lower Upper
164 100
166 131.3 105.1 157.7
129 93.2 80.6 121.0
131 88.4 77.8 116.6

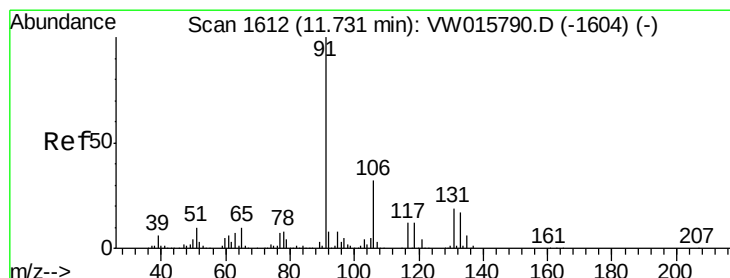
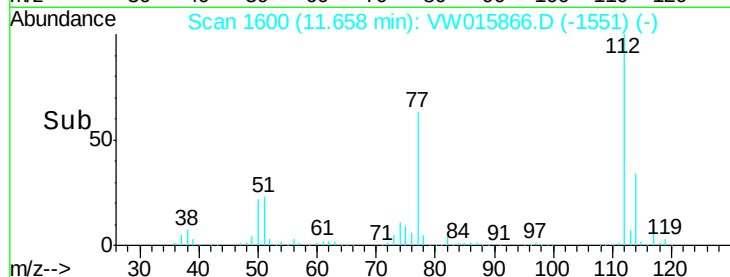
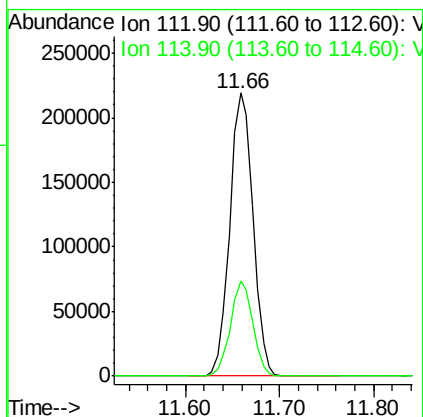
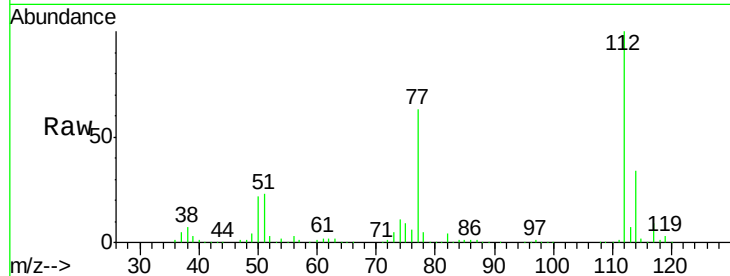




#65
Chlorobenzene
Concen: 49.452 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

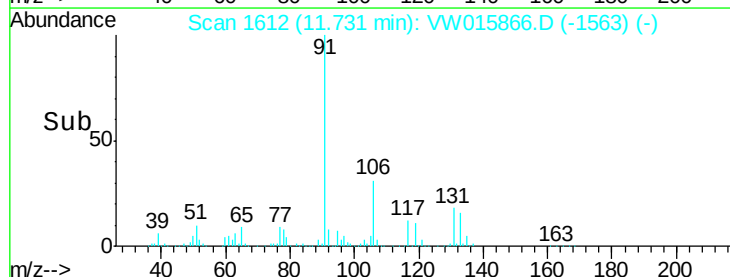
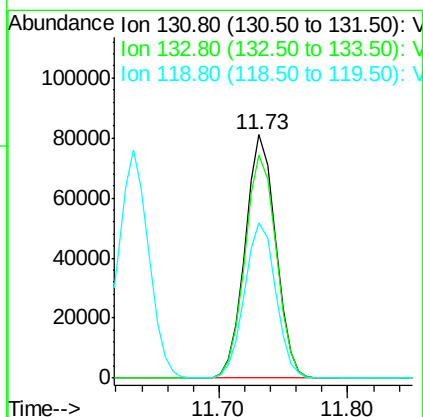
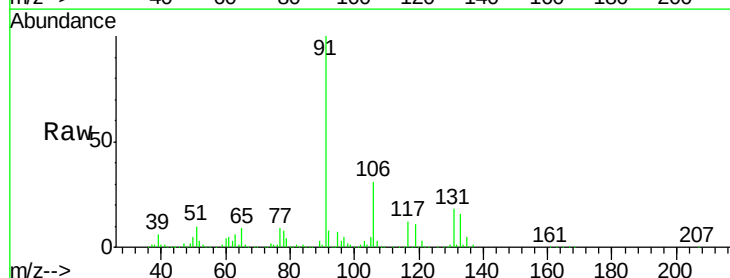
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

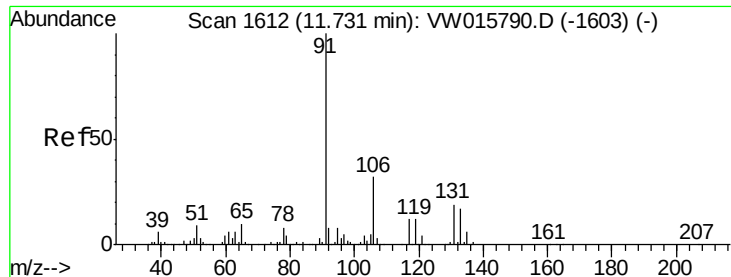
Tot Ion:112 Resp: 374408
Ion Ratio Lower Upper
112 100
114 33.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.611 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion:131 Resp: 132919
Ion Ratio Lower Upper
131 100
133 93.7 47.0 141.2
119 65.1 32.3 96.8

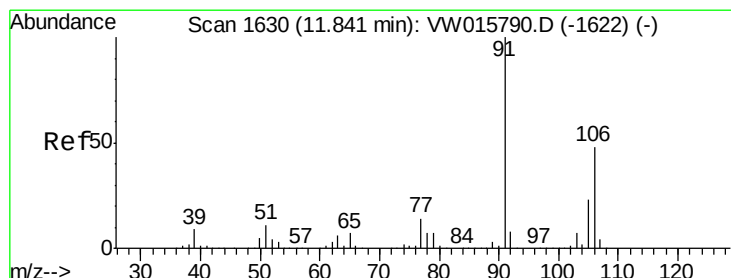
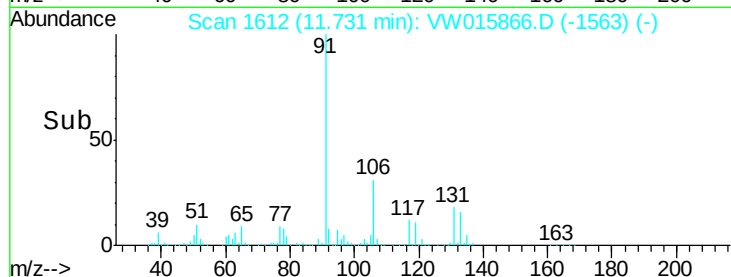
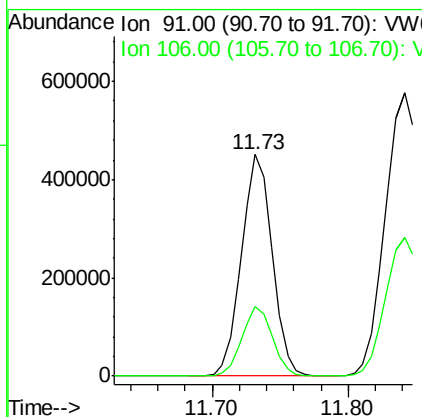
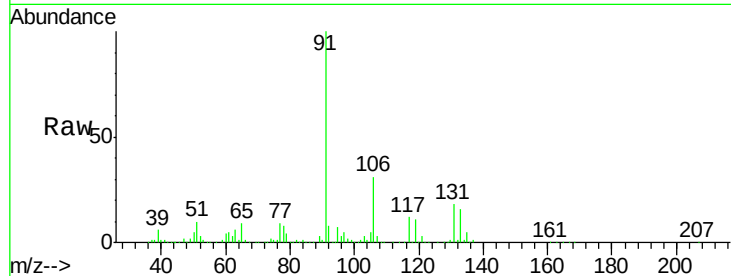




#67
Ethyl Benzene
Concen: 50.876 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

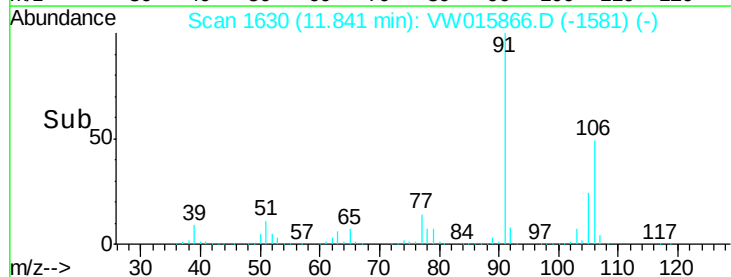
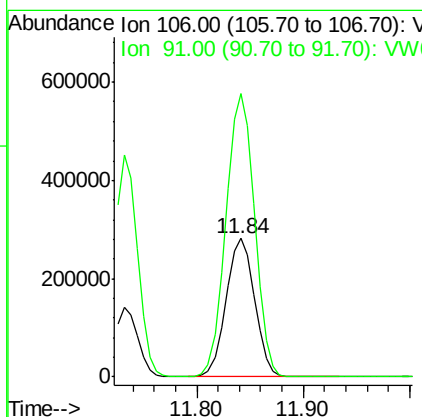
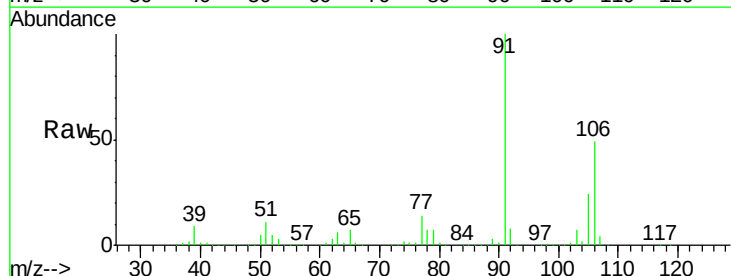
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

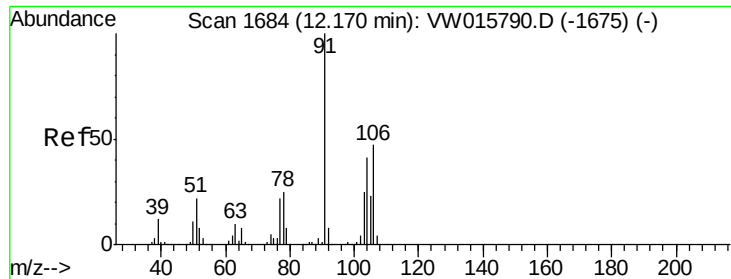
Tot Ion: 91 Resp: 713320
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.8



#68
m/p-Xylenes
Concen: 100.350 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion: 106 Resp: 528524
Ion Ratio Lower Upper
106 100
91 205.4 164.1 246.1

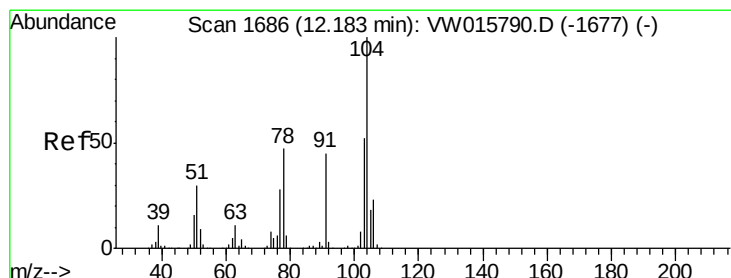
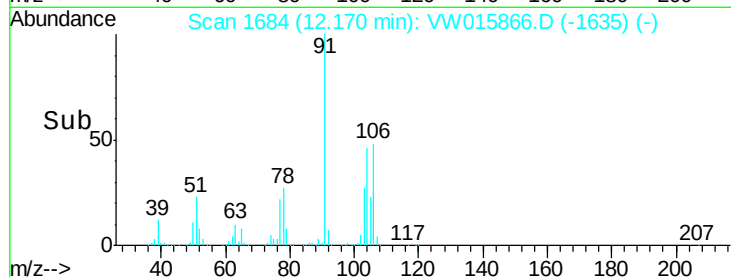
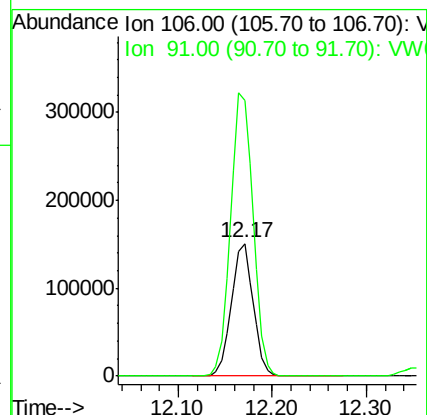
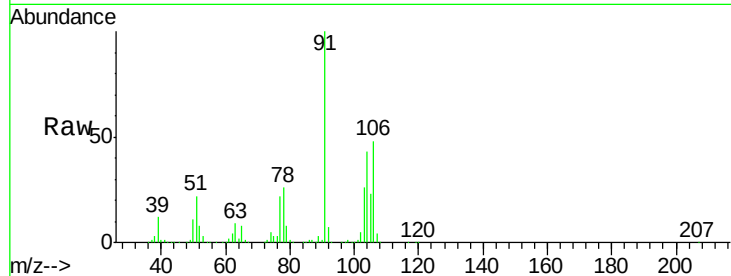




#69
o-Xylene
Concen: 50.341 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

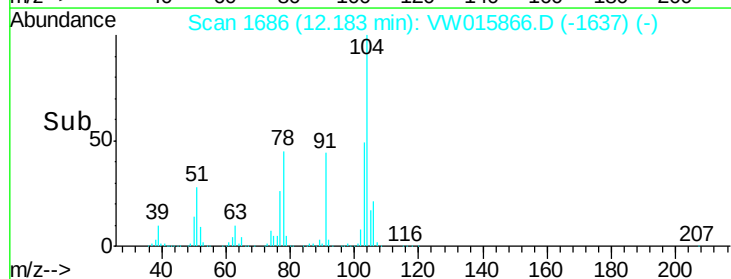
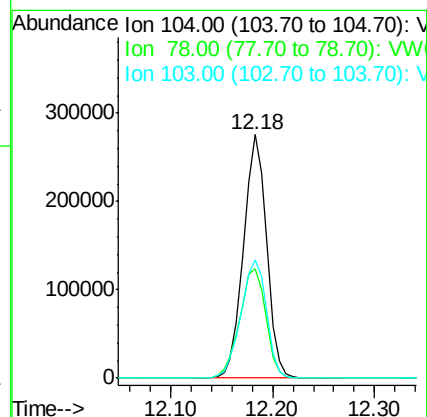
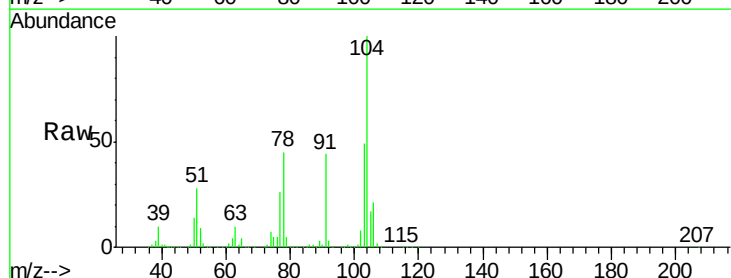
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

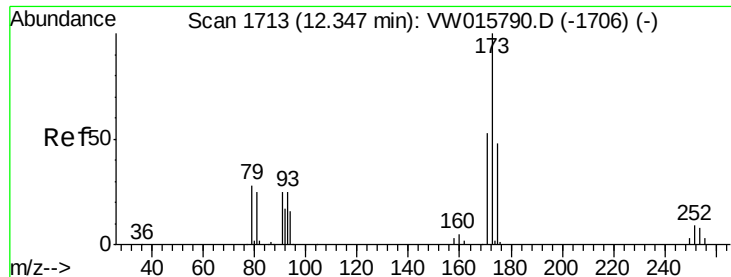
Tot Ion:106 Resp: 242019
Ion Ratio Lower Upper
106 100
91 220.9 108.5 325.3



#70
Styrene
Concen: 52.035 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion:104 Resp: 430442
Ion Ratio Lower Upper
104 100
78 50.9 41.0 61.4
103 53.6 43.8 65.8





#71

Bromoform

Concen: 52.131 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

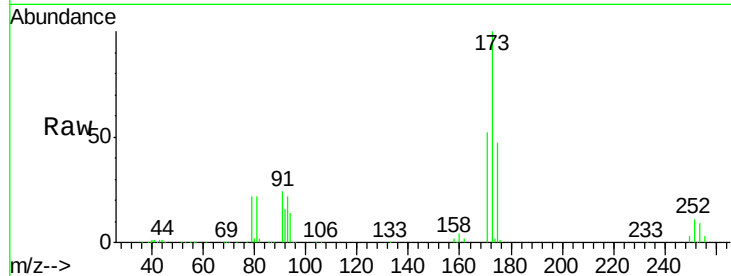
Tot Ion:173 Resp: 63752

Ion Ratio Lower Upper

173 100

175 48.5 23.5 70.5

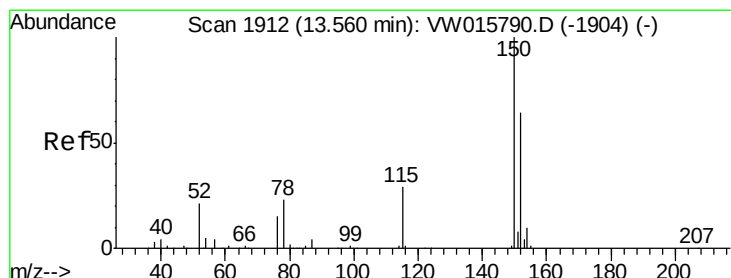
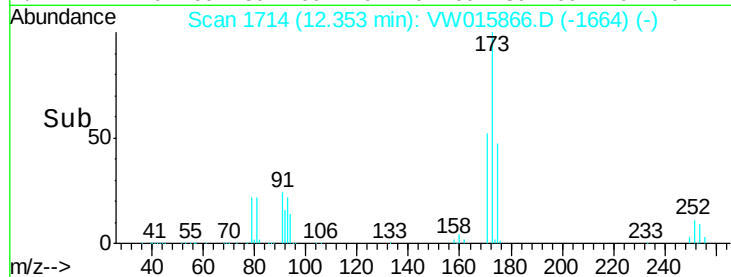
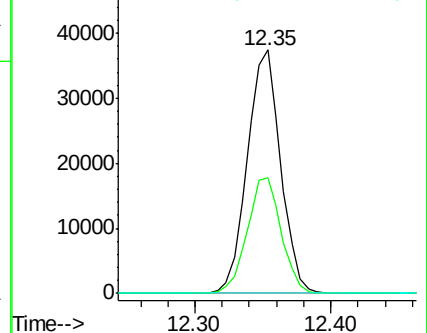
254 0.0 0.0 0.0



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: VW015866.D

Acq: 16 Jul 2020 16:54

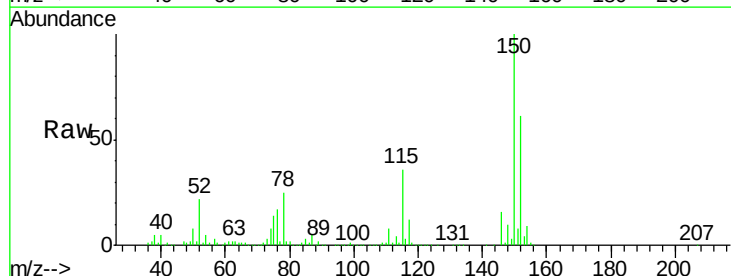
Tgt Ion:152 Resp: 186606

Ion Ratio Lower Upper

152 100

115 59.2 29.9 89.7

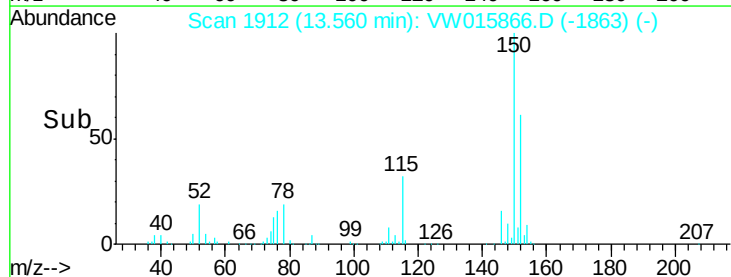
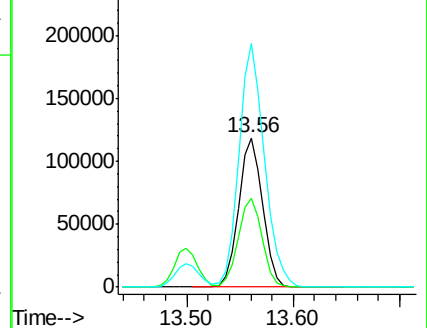
150 174.0 0.0 350.8

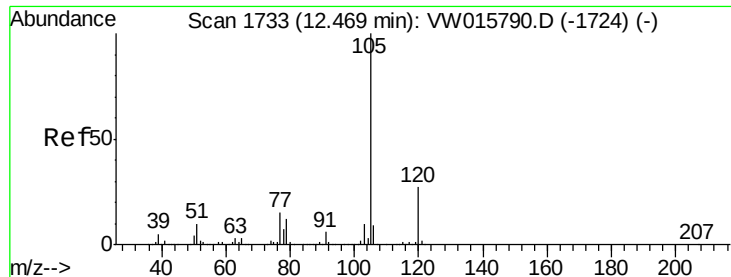


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

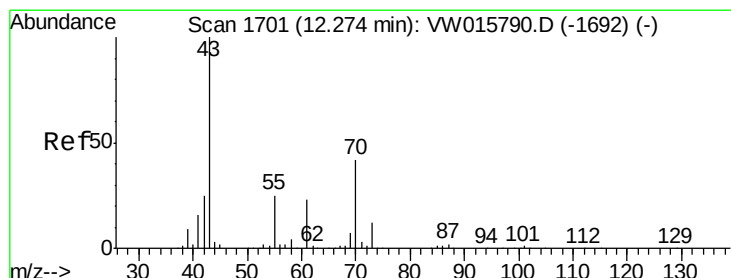
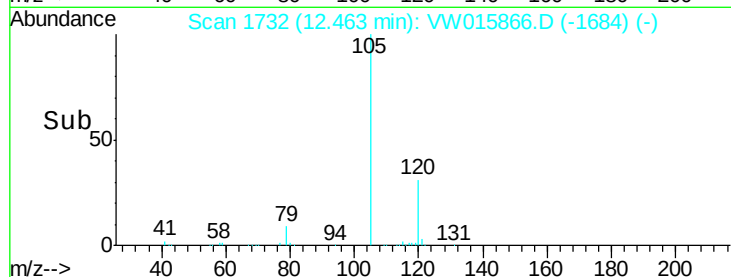
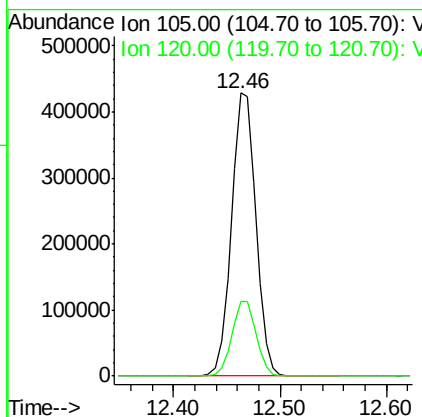
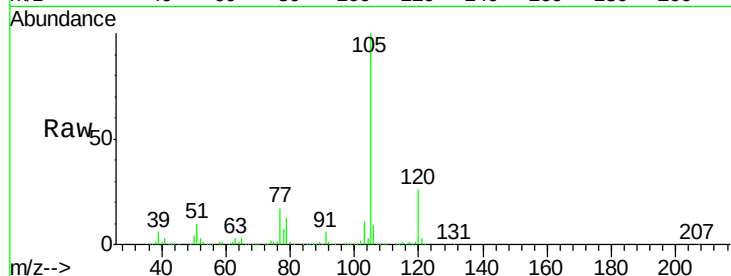




#73
Isopropylbenzene
Concen: 52.335 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

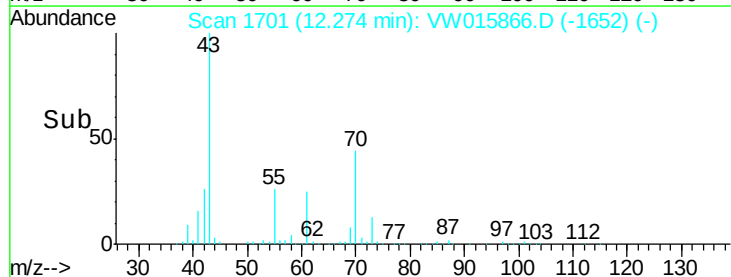
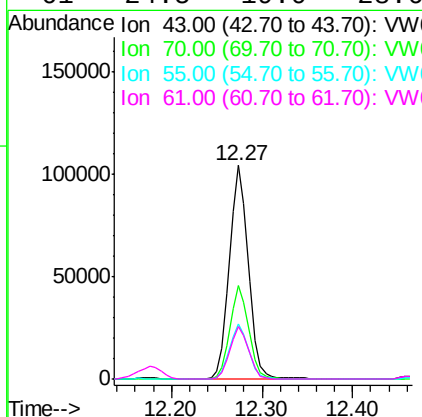
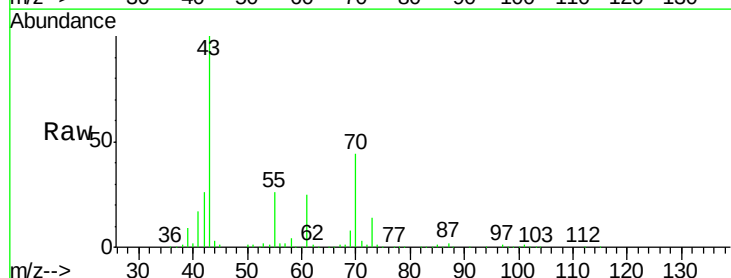
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

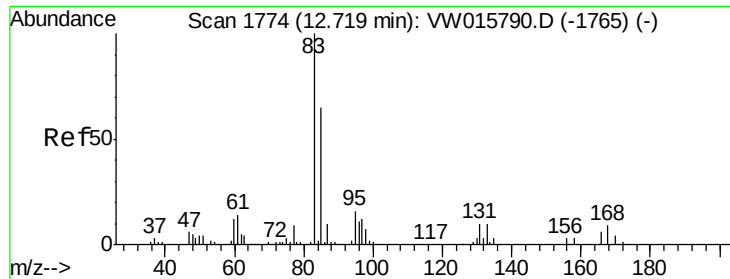
Tot Ion:105 Resp: 688012
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.6



#74
N-ethyl acetate
Concen: 53.764 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion: 43 Resp: 151216
Ion Ratio Lower Upper
43 100
70 43.5 34.1 51.1
55 25.9 20.0 30.0
61 24.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.524 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

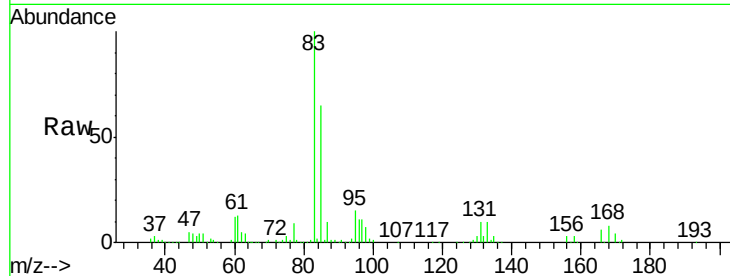
Tot Ion: 83 Resp: 114732

Ion Ratio Lower Upper

83 100

131 10.2 5.3 16.1

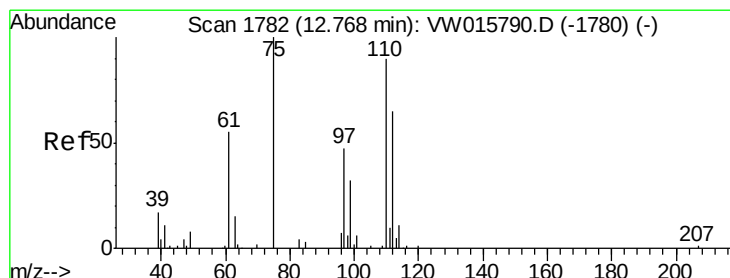
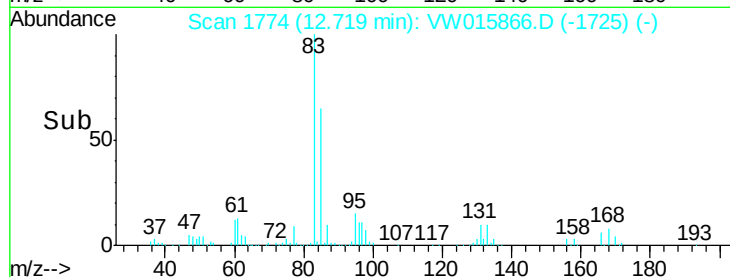
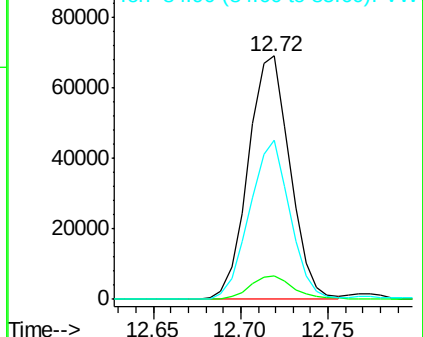
85 63.5 31.9 95.9



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: 49.790 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015866.D

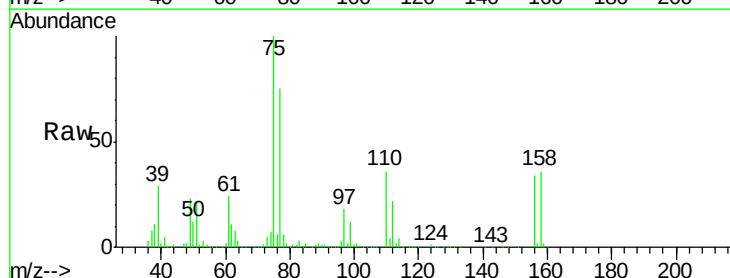
Acq: 16 Jul 2020 16:54

Tgt Ion: 75 Resp: 81656

Ion Ratio Lower Upper

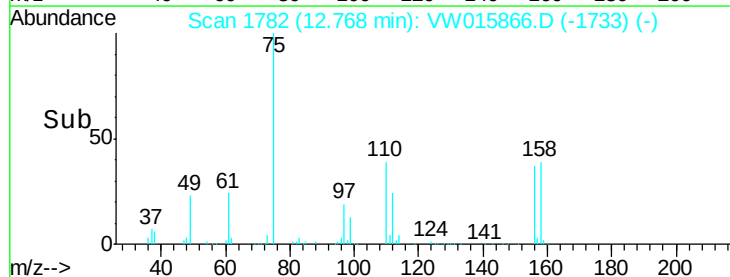
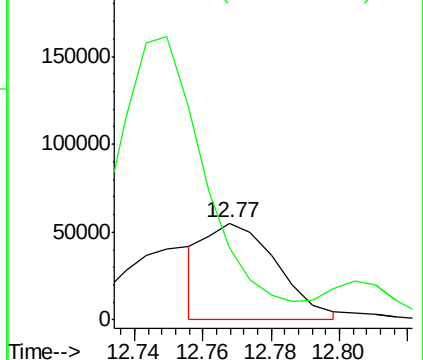
75 100

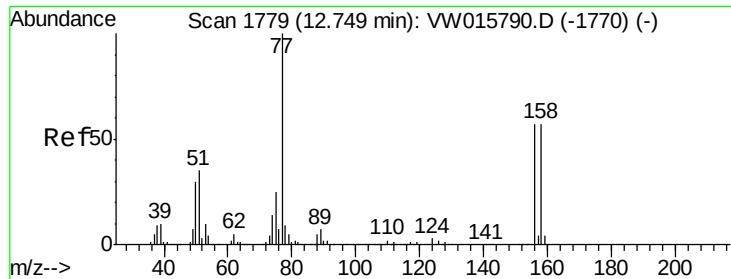
77 359.7 177.3 532.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.565 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

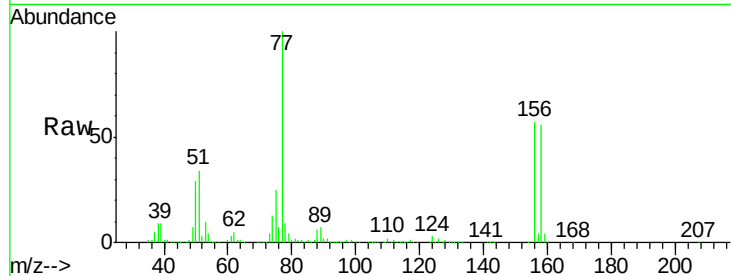
Tot Ion:156 Resp: 149054

Ion Ratio Lower Upper

156 100

77 197.1 98.8 296.4

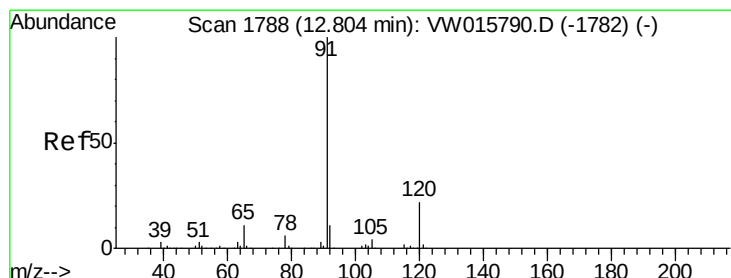
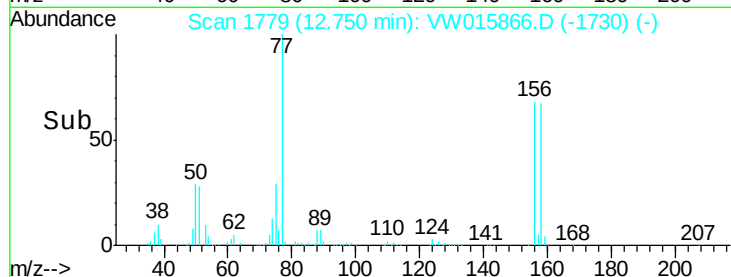
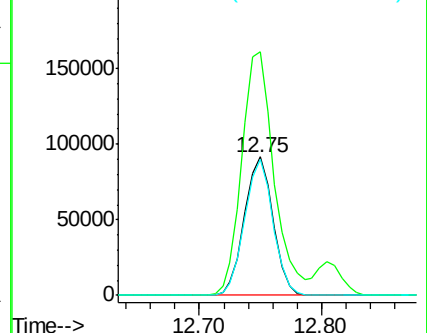
158 97.1 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.285 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015866.D

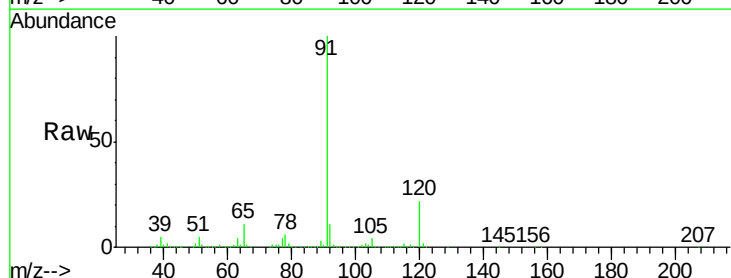
Acq: 16 Jul 2020 16:54

Tgt Ion: 91 Resp: 834307

Ion Ratio Lower Upper

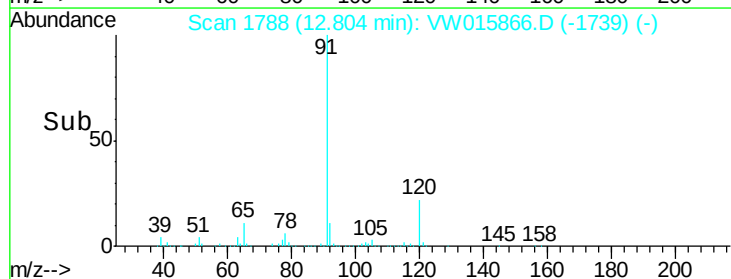
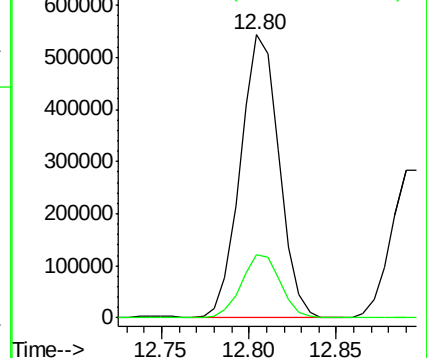
91 100

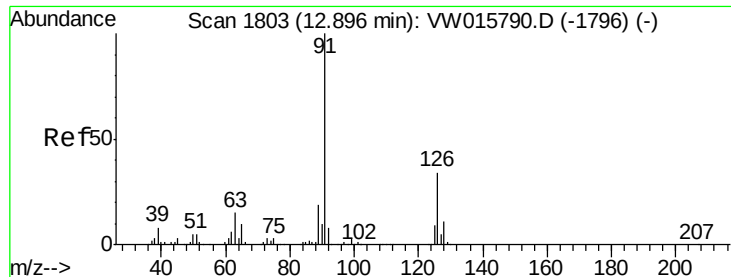
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.897 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

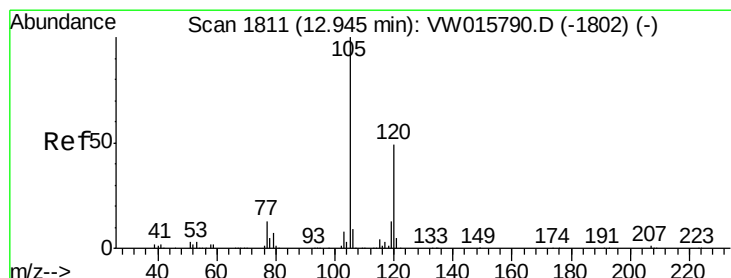
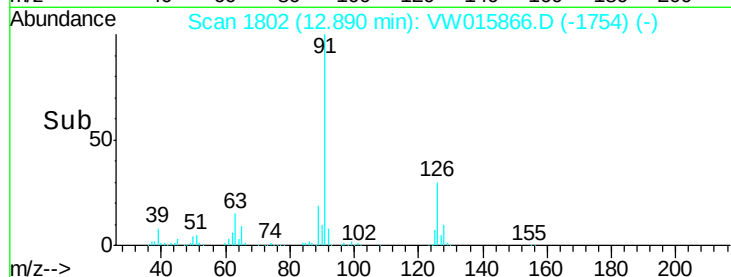
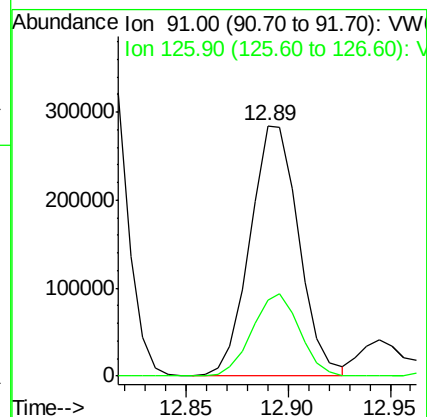
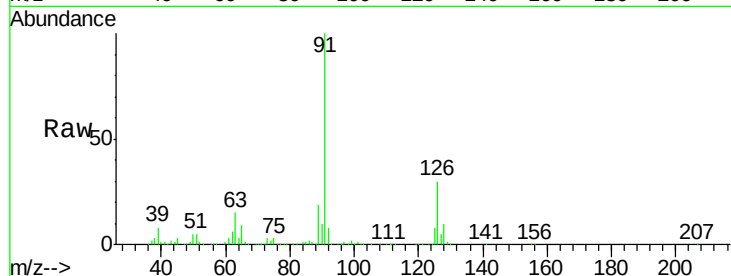
VSTDCCC050EC

Tot Ion: 91 Resp: 472248

Ion Ratio Lower Upper

91 100

126 32.1 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 51.928 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015866.D

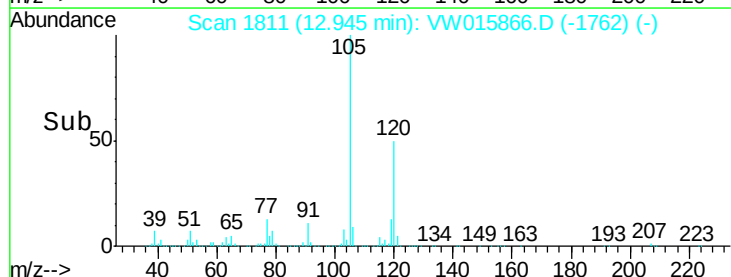
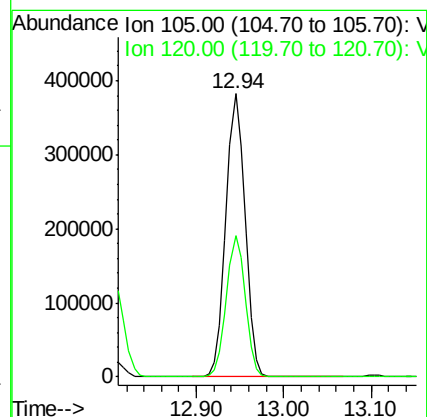
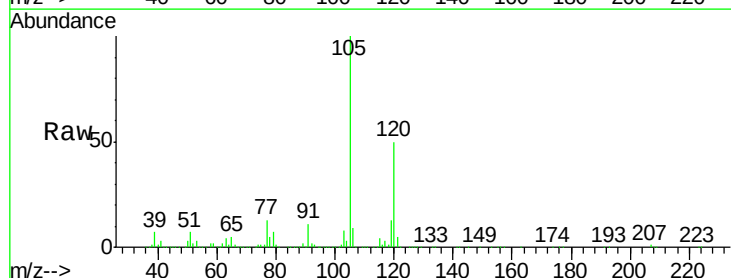
Acq: 16 Jul 2020 16:54

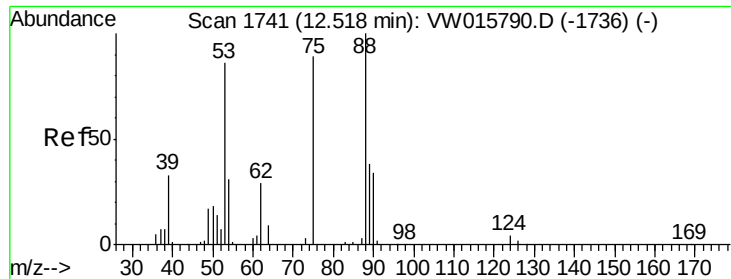
Tgt Ion:105 Resp: 581832

Ion Ratio Lower Upper

105 100

120 49.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.571 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

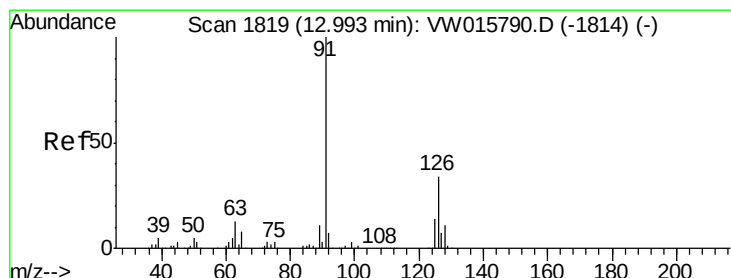
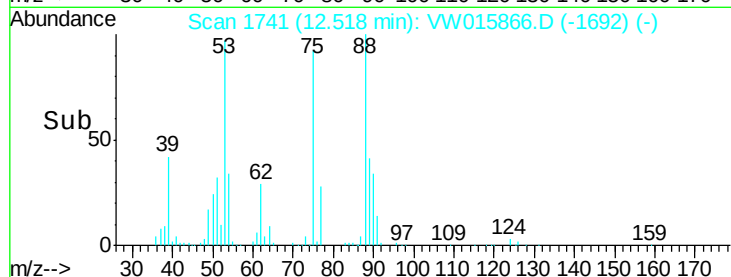
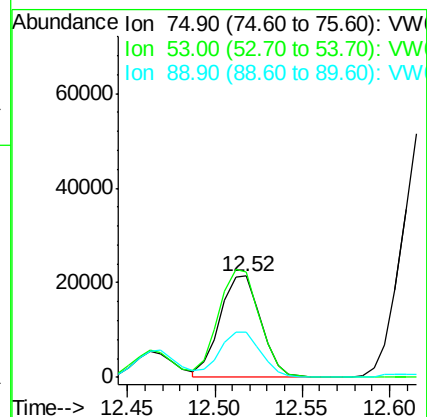
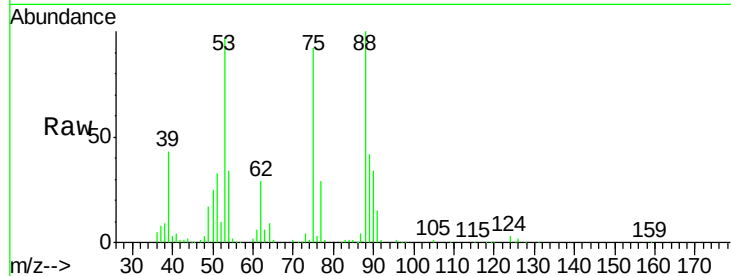
Tot Ion: 75 Resp: 35046

Ion Ratio Lower Upper

75 100

53 106.7 85.9 128.9

89 45.5 36.2 54.4



#82

4-Chlorotoluene

Concen: 50.979 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW015866.D

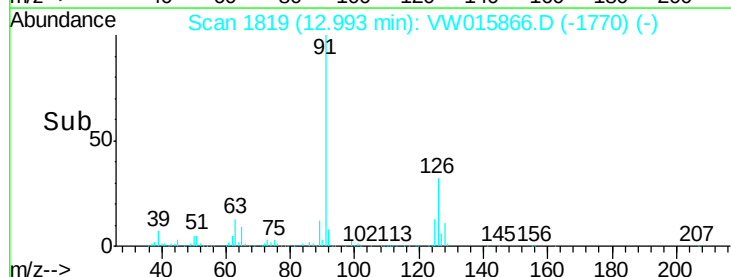
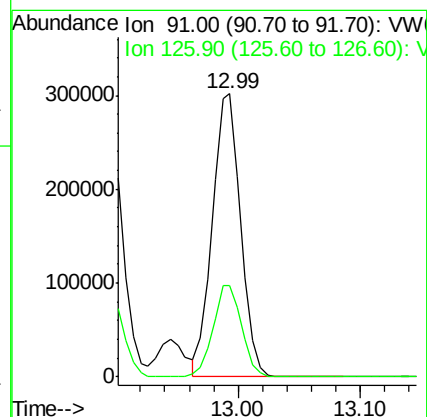
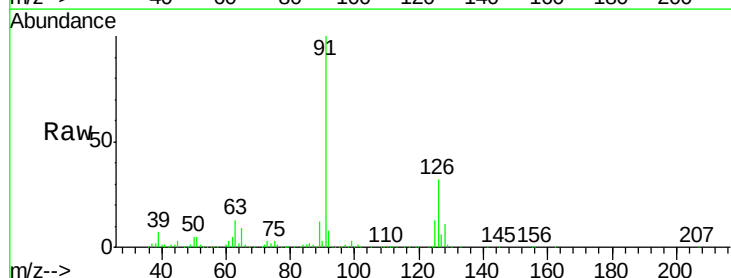
Acq: 16 Jul 2020 16:54

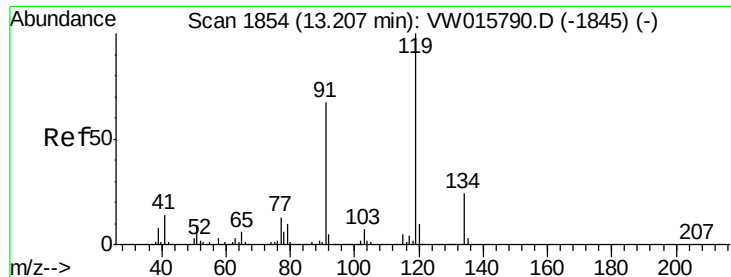
Tgt Ion: 91 Resp: 484425

Ion Ratio Lower Upper

91 100

126 32.9 16.3 48.9

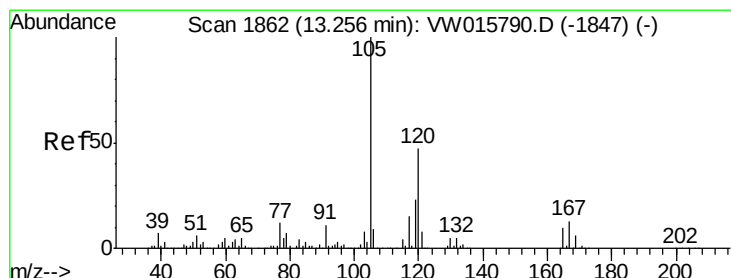
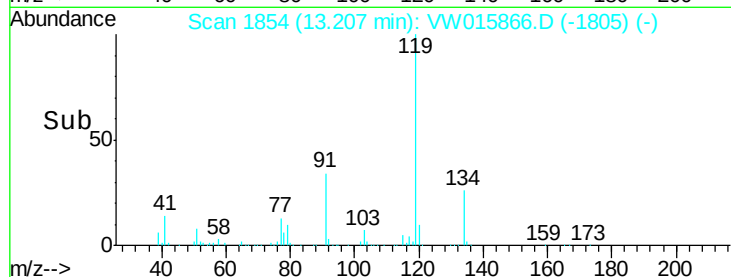
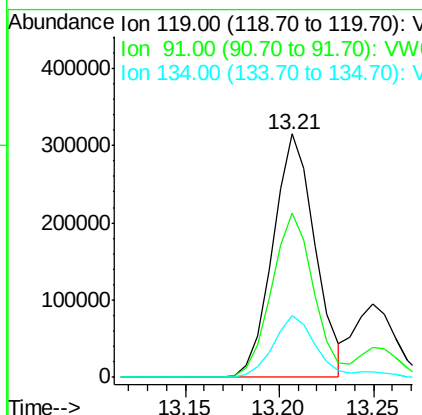
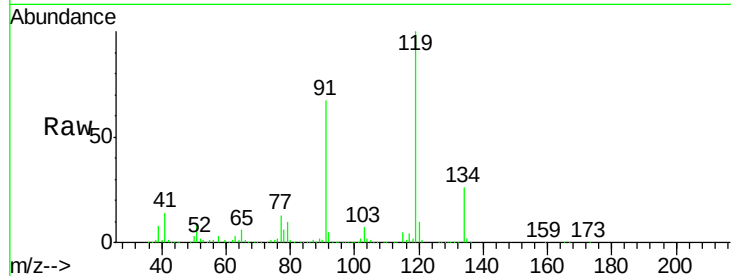




#83
 tert-Butylbenzene
 Concen: 52.504 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

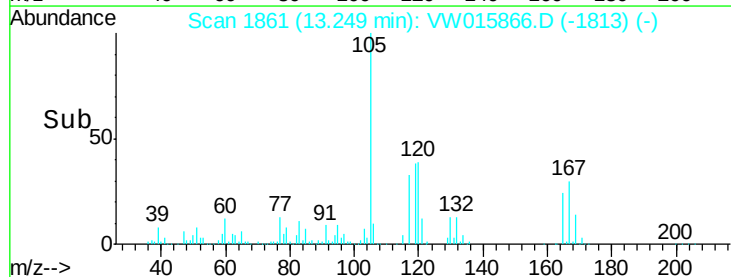
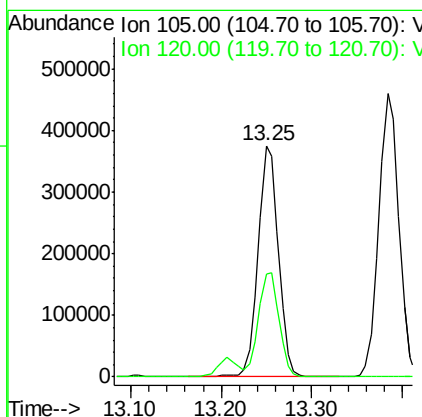
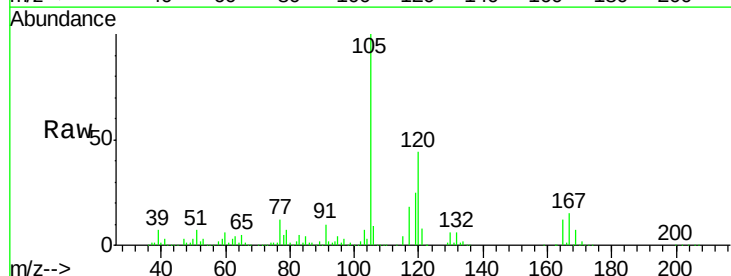
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

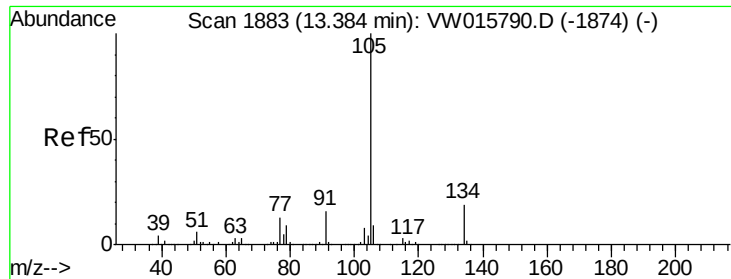
Tot Ion:119 Resp: 488389
 Ion Ratio Lower Upper
 119 100
 91 68.0 34.4 103.3
 134 27.2 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.845 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion:105 Resp: 580123
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 52.421 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

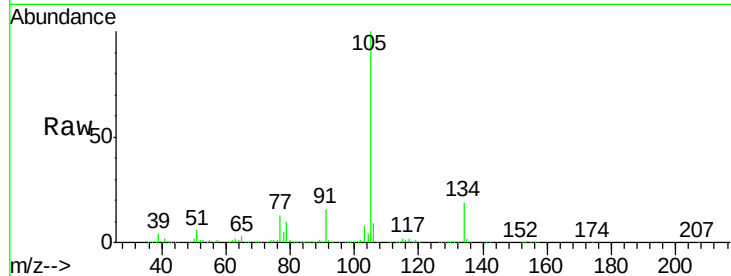
VSTDCCC050EC

Tot Ion:105 Resp: 704218

Ion Ratio Lower Upper

105 100

134 19.8 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

500000

400000

300000

200000

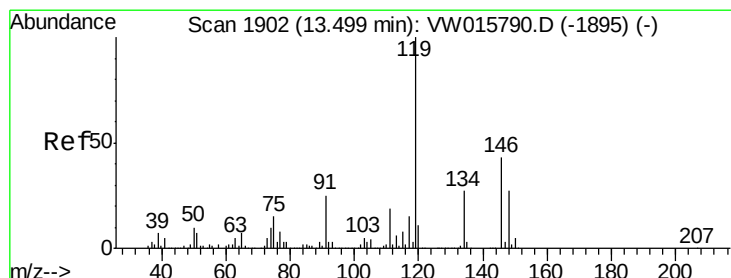
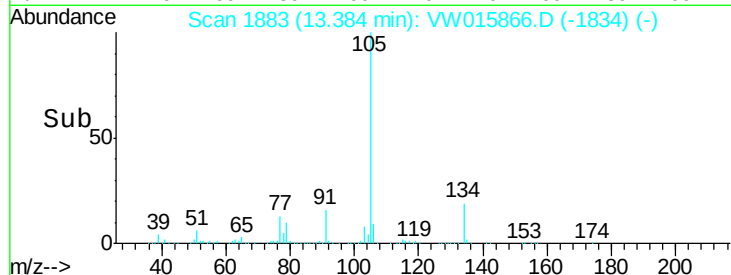
100000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 51.568 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

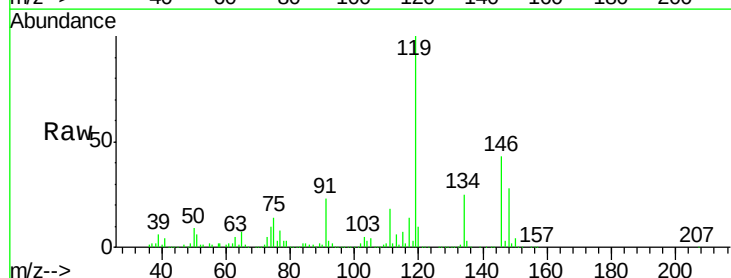
Tgt Ion:119 Resp: 632599

Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.6

91 23.7 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

600000

500000

400000

300000

200000

100000

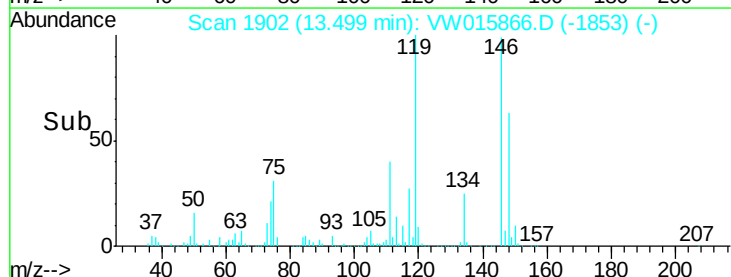
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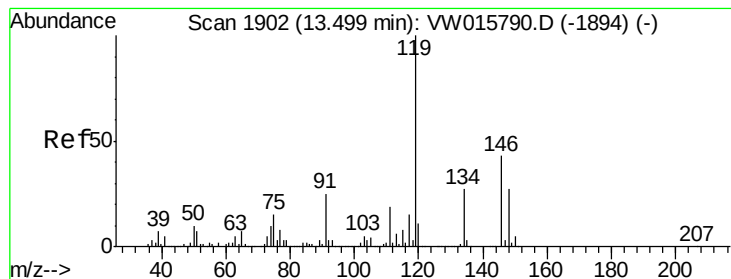
Time-->

13.45

13.50

13.55





#87

1,3-Dichlorobenzene

Concen: 49.523 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

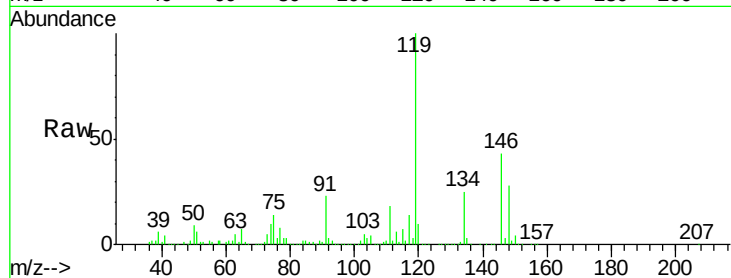
Tot Ion:146 Resp: 292626

Ion Ratio Lower Upper

146 100

111 42.0 20.8 62.4

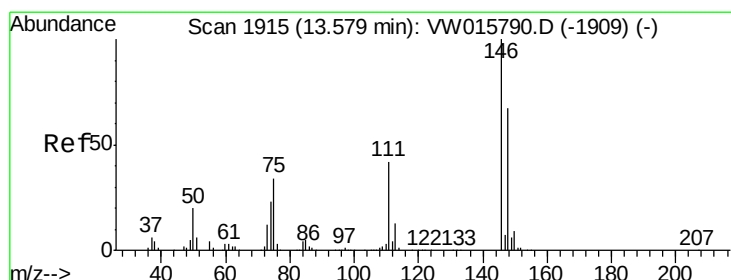
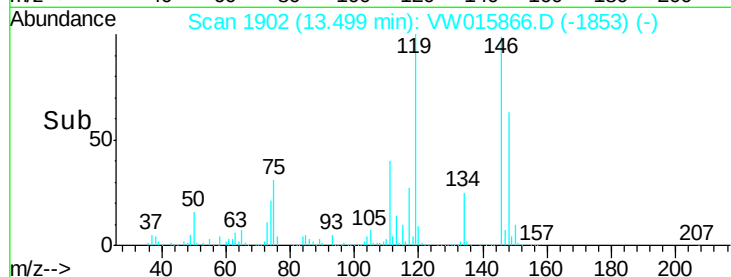
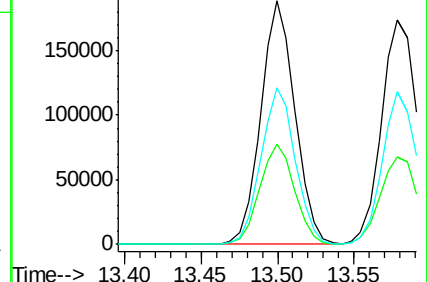
148 64.8 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.180 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

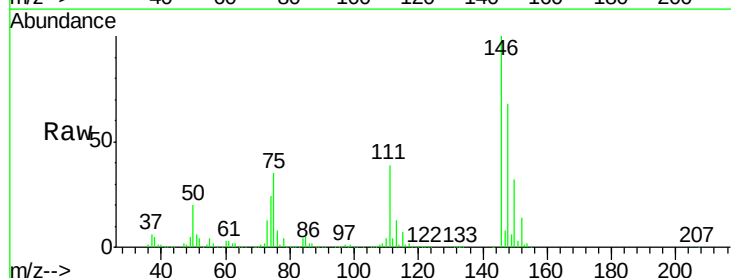
Tgt Ion:146 Resp: 284487

Ion Ratio Lower Upper

146 100

111 40.2 20.2 60.6

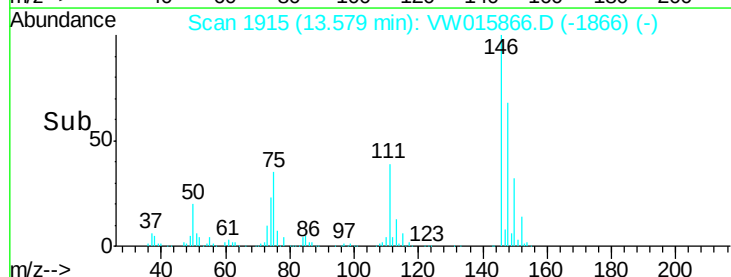
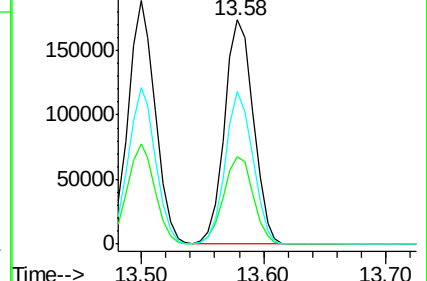
148 65.1 31.8 95.4

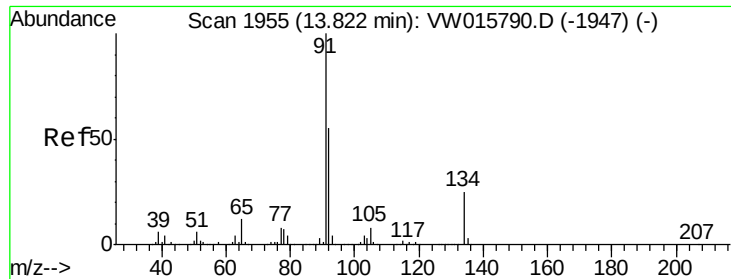


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.074 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015866.D

Acq: 16 Jul 2020 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

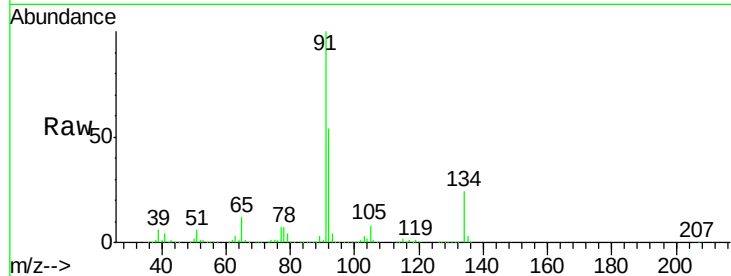
Tot Ion: 91 Resp: 611314

Ion Ratio Lower Upper

91 100

92 54.6 27.2 81.6

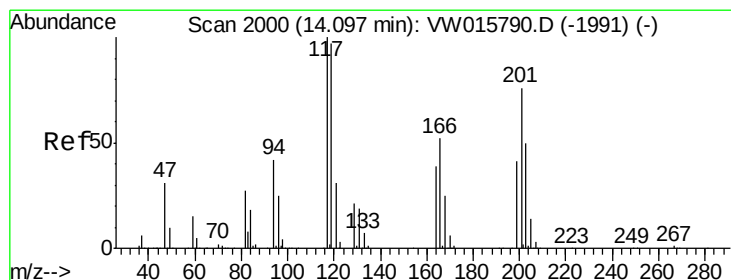
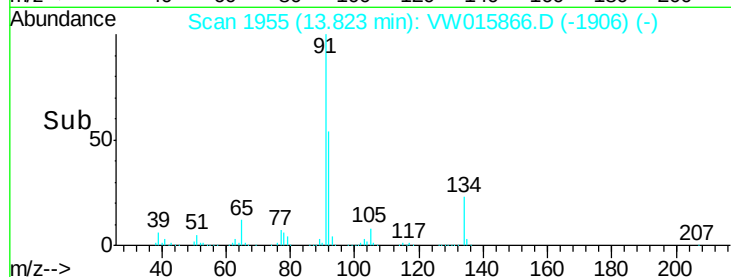
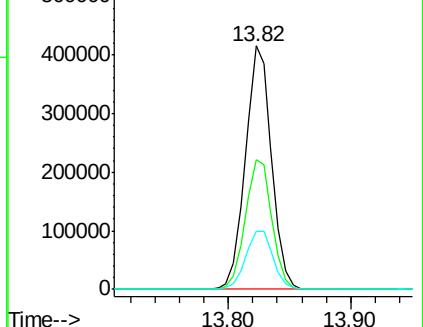
134 25.2 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.041 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW015866.D

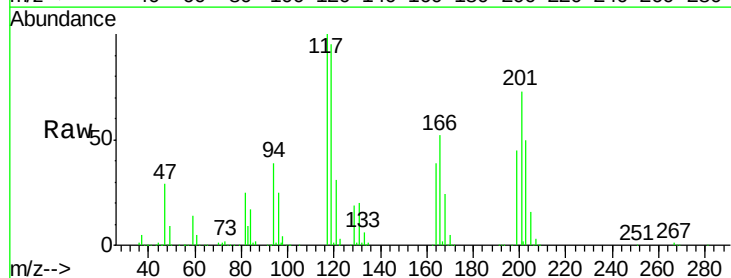
Acq: 16 Jul 2020 16:54

Tgt Ion: 117 Resp: 113488

Ion Ratio Lower Upper

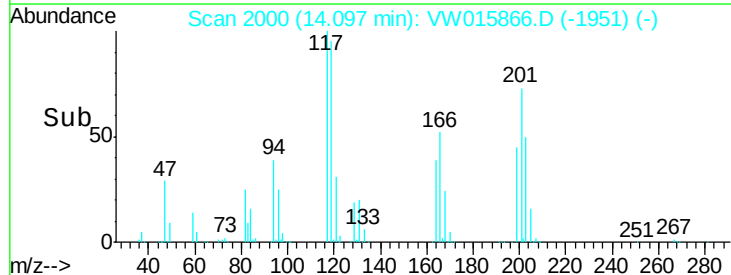
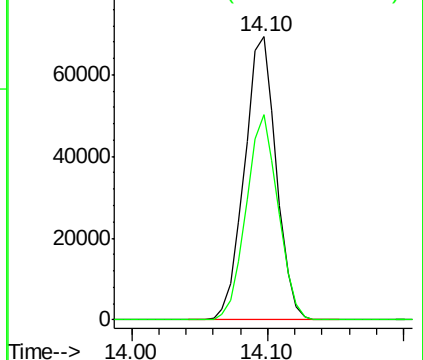
117 100

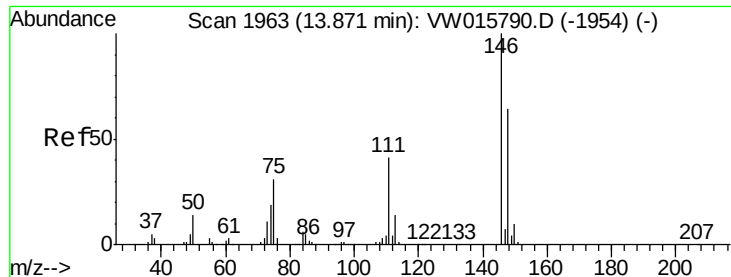
201 72.8 37.1 111.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

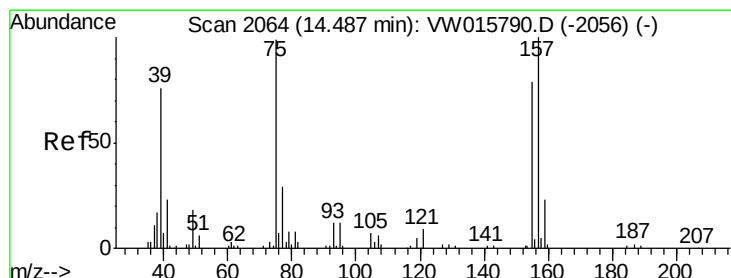
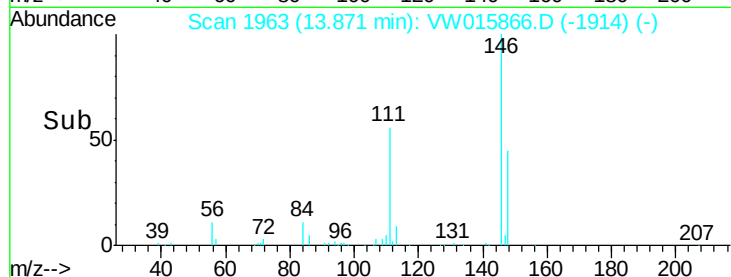
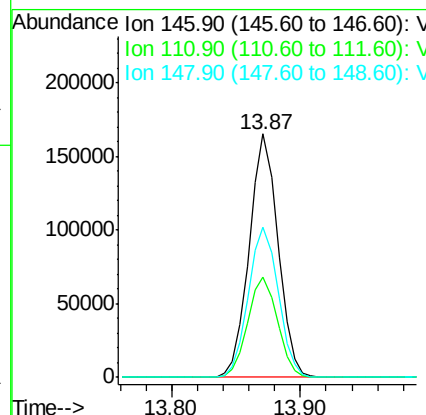
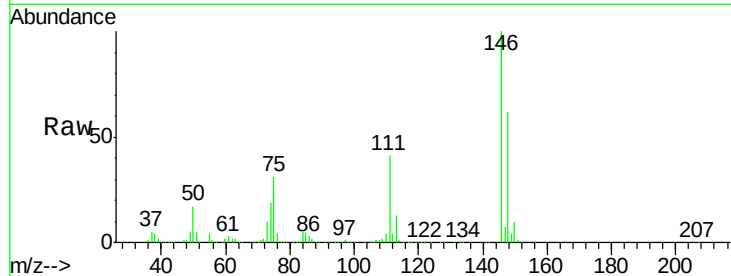




#91
 1,2-Dichlorobenzene
 Concen: 49.520 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

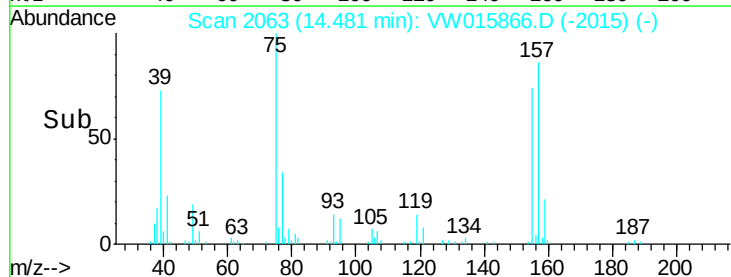
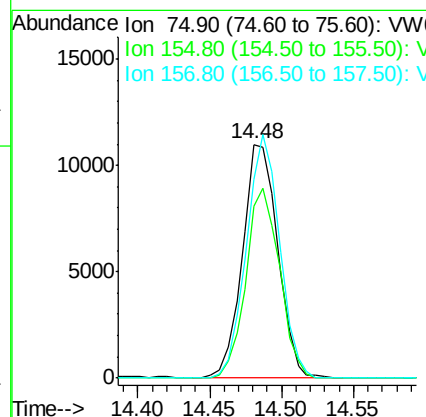
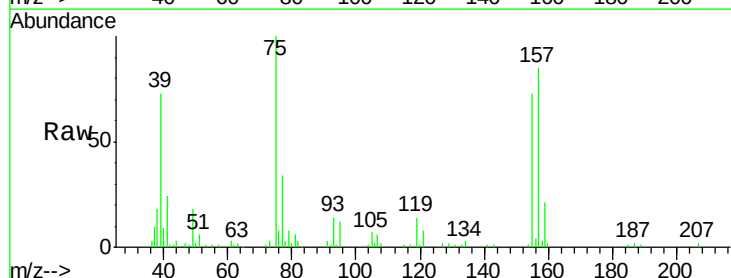
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

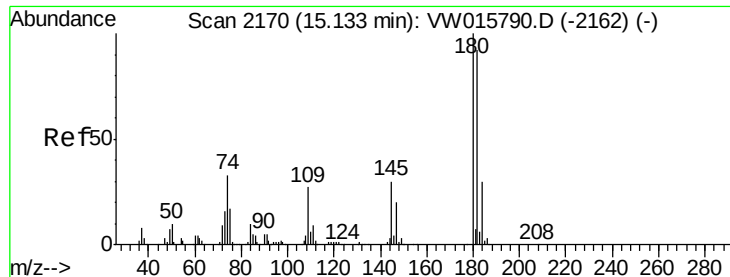
Tot Ion:146 Resp: 253507
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.6 61.9
 148 64.4 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.528 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion: 75 Resp: 18682
 Ion Ratio Lower Upper
 75 100
 155 76.9 39.1 117.5
 157 97.3 49.1 147.4

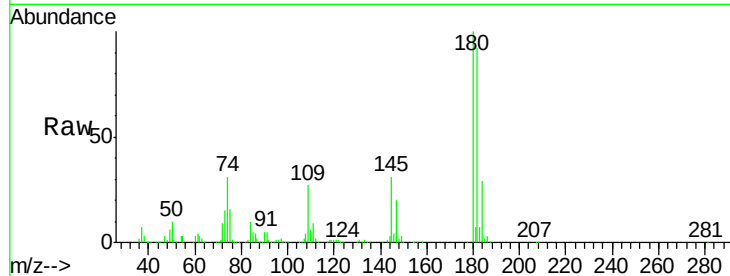




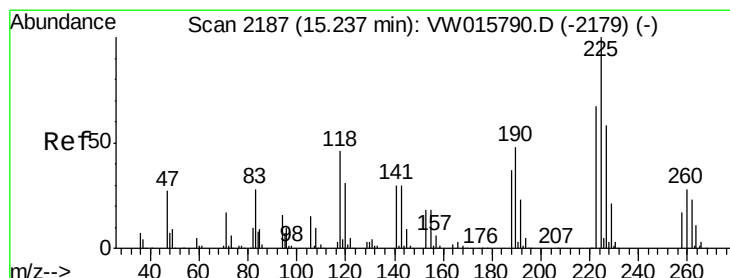
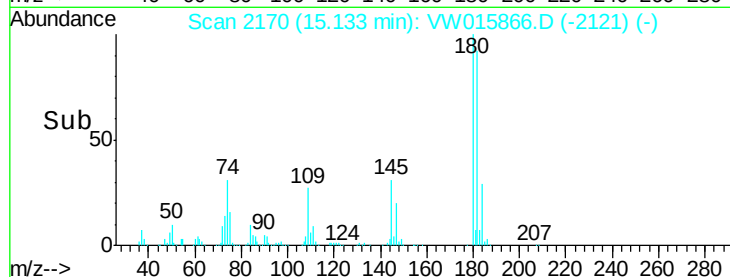
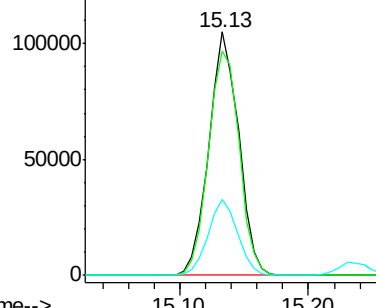
#93
 1,2,4-Trichlorobenzene
 Concen: 51.862 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 167382
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.8 140.3
 145 30.9 15.4 46.4

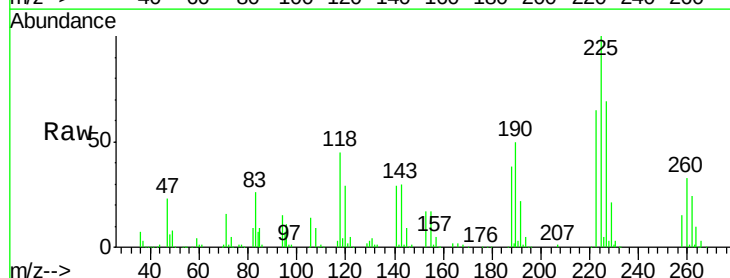


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

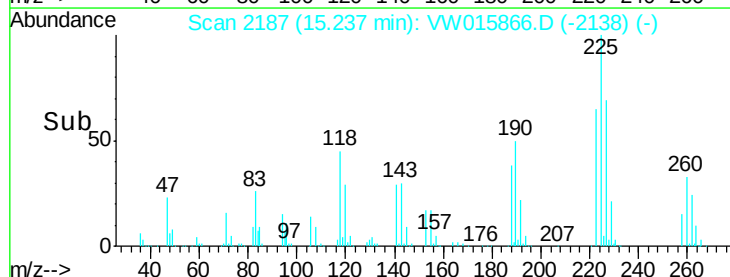
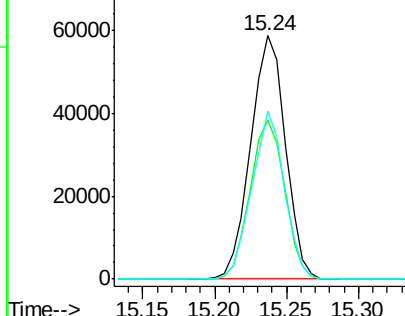


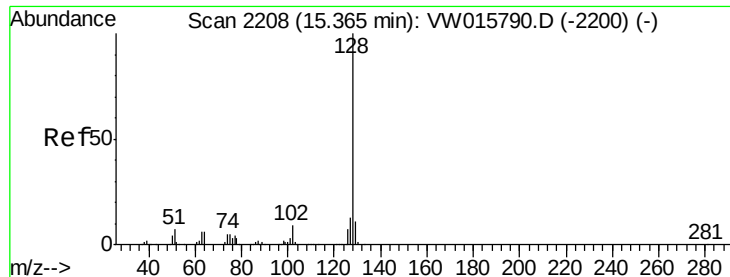
#94
 Hexachlorobutadiene
 Concen: 47.727 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015866.D
 Acq: 16 Jul 2020 16:54

Tgt Ion:225 Resp: 97801
 Ion Ratio Lower Upper
 225 100
 223 65.1 32.4 97.2
 227 64.8 30.7 92.1



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

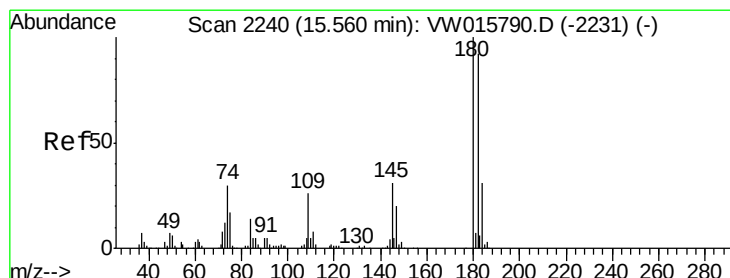
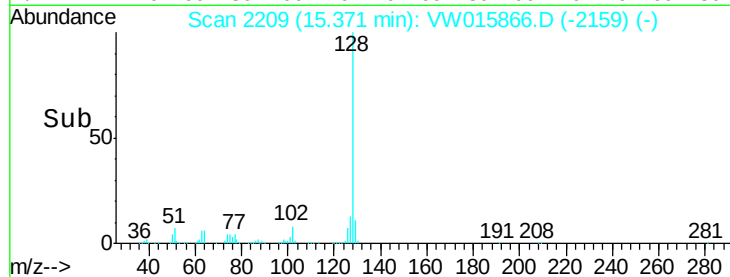
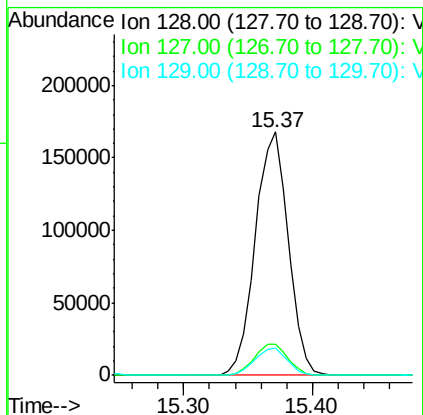
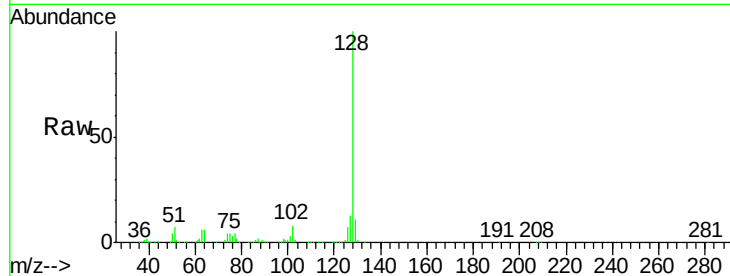




#95
Naphthalene
Concen: 49.311 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 297022
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.671 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015866.D
Acq: 16 Jul 2020 16:54

Tgt Ion:180 Resp: 139157
Ion Ratio Lower Upper
180 100
182 97.1 47.7 143.1
145 33.9 16.7 50.0

