

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015445.D
 Acq On : 15 May 2020 20:11
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 18 02:08:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	180099	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	132378	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
35) Dibromofluoromethane	7.88	113	112675	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	10.32	98	444561	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.61	95	171167	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	64082	48.158	ug/l	96
3) Chloromethane	2.21	50	70093	42.075	ug/l	96
4) Vinyl Chloride	2.37	62	107509	42.614	ug/l	97
5) Bromomethane	2.78	94	80758	40.860	ug/l	95
6) Chloroethane	2.93	64	72691	41.811	ug/l	99
7) Trichlorofluoromethane	3.26	101	61881	33.440	ug/l	99
8) Diethyl Ether	3.68	74	59282	51.265	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98815	46.064	ug/l	99
10) Methyl Iodide	4.27	142	156572	48.235	ug/l	98
11) Tert butyl alcohol	5.20	59	43880	300.762	ug/l	99
12) 1,1-Dichloroethene	4.03	96	98222	44.153	ug/l	99
13) Acrolein	3.89	56	35844	192.388	ug/l	98
14) Allyl chloride	4.66	41	179847	46.141	ug/l	99
15) Acrylonitrile	5.37	53	129268	274.669	ug/l	100
16) Acetone	4.13	43	105218	267.703	ug/l	98
17) Carbon Disulfide	4.37	76	295156	43.271	ug/l	99
18) Methyl Acetate	4.67	43	56925	54.557	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	186652	52.221	ug/l	97
20) Methylene Chloride	4.92	84	120888	47.140	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	117540	46.546	ug/l	97
22) Diisopropyl ether	6.31	45	367012	48.186	ug/l	99
23) Vinyl Acetate	6.25	43	1186981	256.364	ug/l	100
24) 1,1-Dichloroethane	6.21	63	215462	47.186	ug/l	100
25) 2-Butanone	7.17	43	170718	278.666	ug/l	97
26) 2,2-Dichloropropane	7.16	77	125746	41.549	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	132138	48.189	ug/l	97
28) Bromochloromethane	7.51	49	89169	48.567	ug/l	97
29) Tetrahydrofuran	7.53	42	111249	275.931	ug/l	98
30) Chloroform	7.68	83	216672	47.758	ug/l	98
31) Cyclohexane	7.95	56	184166	39.723	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	174109	45.661	ug/l	100
36) 1,1-Dichloropropene	8.08	75	167426	44.874	ug/l	99
37) Ethyl Acetate	7.26	43	80729	55.763	ug/l	98
38) Carbon Tetrachloride	8.07	117	156420	44.845	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	204145	43.225	ug/l	98
40) Benzene	8.32	78	473011	46.484	ug/l	100
41) Methacrylonitrile	7.48	41	50418	55.119	ug/l	96
42) 1,2-Dichloroethane	8.40	62	156935	50.634	ug/l	100
43) Isopropyl Acetate	8.43	43	166616	54.724	ug/l	98
44) Trichloroethene	9.09	130	123956	46.999	ug/l	98
45) 1,2-Dichloropropane	9.37	63	120558	47.959	ug/l	100
46) Dibromomethane	9.46	93	64407	51.515	ug/l	99
47) Bromodichloromethane	9.65	83	169343	49.699	ug/l	97
48) Methyl methacrylate	9.43	41	77710	55.255	ug/l	98
49) 1,4-Dioxane	9.46	88	20158	1281.163	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	400159	280.442	ug/l	99
52) Toluene	10.38	92	307577	46.513	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	174754	50.246	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	199852	48.802	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	90811	51.364	ug/l	95
56) Ethyl methacrylate	10.65	69	132403	54.505	ug/l	98
57) 1,3-Dichloropropane	10.93	76	163048	51.293	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	322224	272.655	ug/l	99
59) 2-Hexanone	10.97	43	277824	287.759	ug/l	100
60) Dibromochloromethane	11.13	129	111965	52.656	ug/l	99
61) 1,2-Dibromoethane	11.24	107	88448	52.835	ug/l	99
64) Tetrachloroethene	10.86	164	100923	46.426	ug/l	92
65) Chlorobenzene	11.66	112	322896	46.047	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	118815	47.790	ug/l	99
67) Ethyl Benzene	11.73	91	611462	45.557	ug/l	99
68) m/p-Xylenes	11.84	106	460520	92.285	ug/l	98
69) o-Xylene	12.16	106	218568	46.610	ug/l	100
70) Styrene	12.18	104	381535	47.242	ug/l	99
71) Bromoform	12.35	173	64433	53.142	ug/l #	99
73) Isopropylbenzene	12.46	105	602332	44.798	ug/l	100
74) N-amyl acetate	12.27	43	162922	51.261	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	108459	51.564	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	72024m	48.613	ug/l	
77) Bromobenzene	12.74	156	133645	46.903	ug/l	99
78) n-propylbenzene	12.80	91	707844	43.879	ug/l	99
79) 2-Chlorotoluene	12.89	91	410791	45.175	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	503076	44.420	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	37127	49.567	ug/l	98
82) 4-Chlorotoluene	12.99	91	432816	44.912	ug/l	100
83) tert-Butylbenzene	13.21	119	435627	45.078	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	515232	45.475	ug/l	99
85) sec-Butylbenzene	13.38	105	602410	44.242	ug/l	99
86) p-Isopropyltoluene	13.50	119	566780	45.640	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	264716	46.639	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	259182	46.108	ug/l	98
89) n-Butylbenzene	13.82	91	539849	44.405	ug/l	100
90) Hexachloroethane	14.09	117	106089	46.358	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	236054	48.033	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20014	54.504	ug/l	94

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue May 05 18:41:17 2020
Response via : Initial Calibration

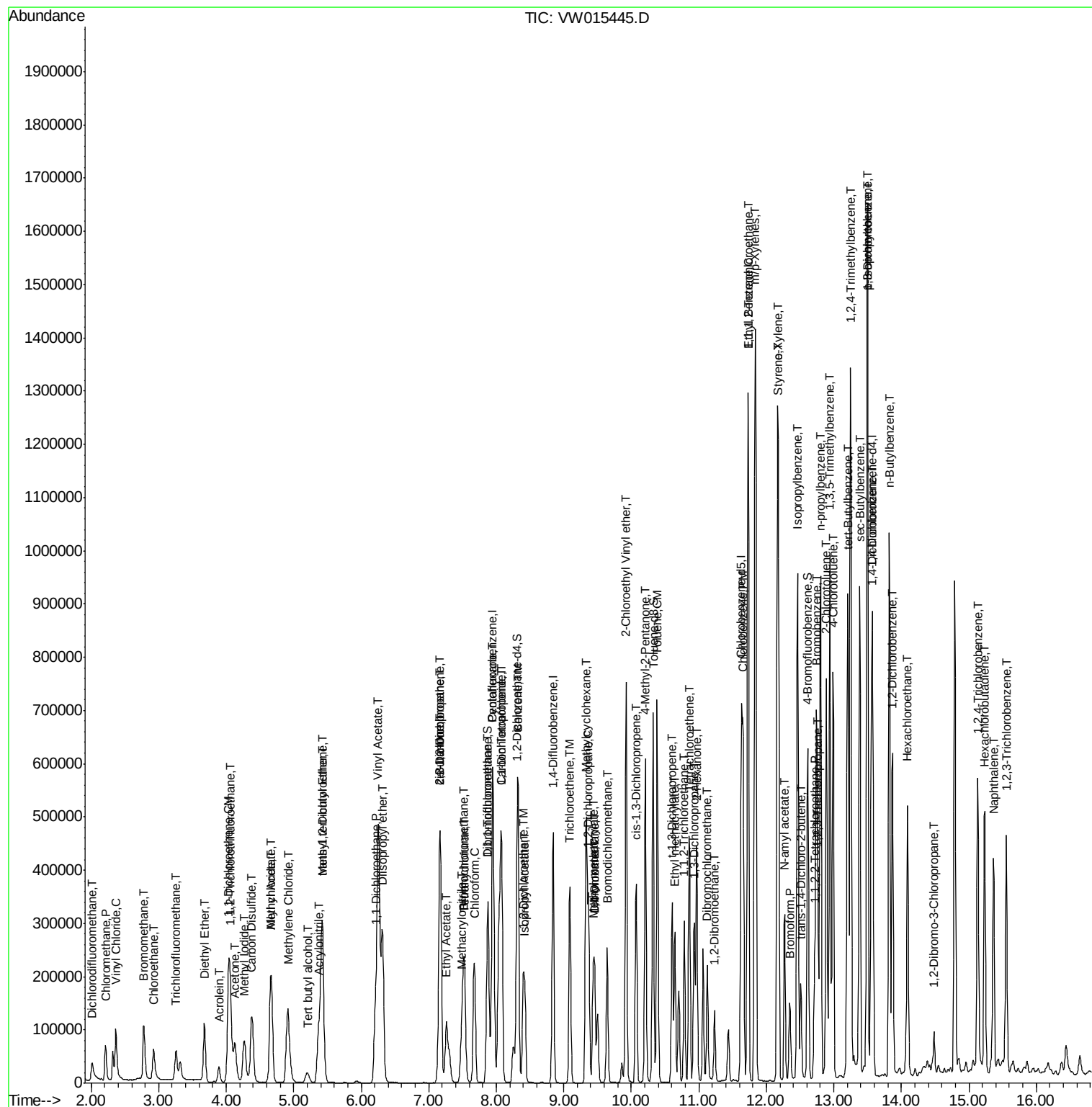
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	171594	51.951	ug/l	99
94) Hexachlorobutadiene	15.24	225	94182	48.119	ug/l	98
95) Naphthalene	15.36	128	342683	57.921	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	148359	52.276	ug/l	99

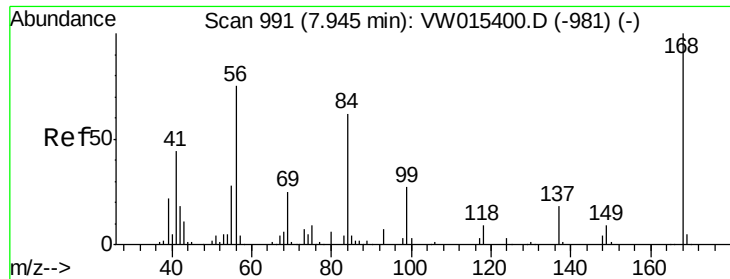
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015445.D
 Acq On : 15 May 2020 20:11
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

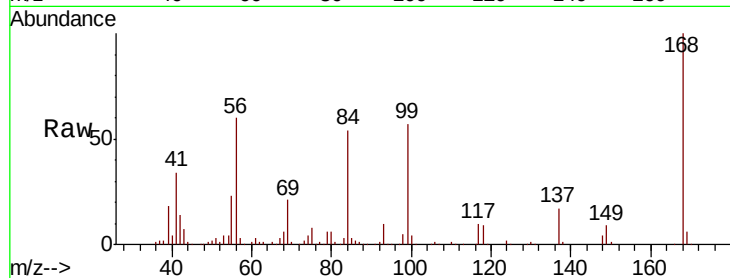
VSTDCCC050EC

Tot Ion:168 Resp: 230160

Ion Ratio Lower Upper

168 100

99 56.8 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

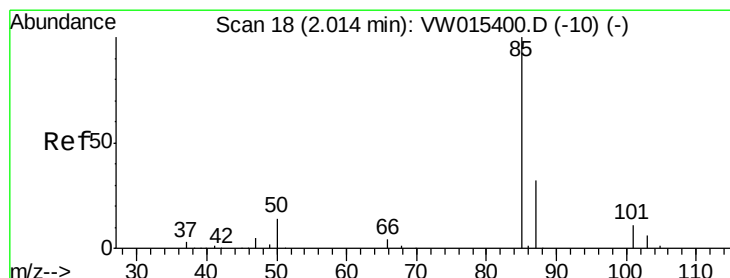
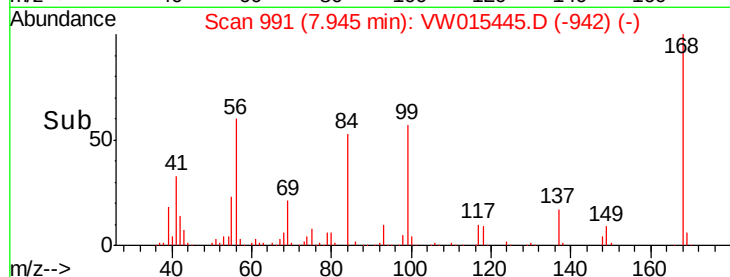
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.158 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015445.D

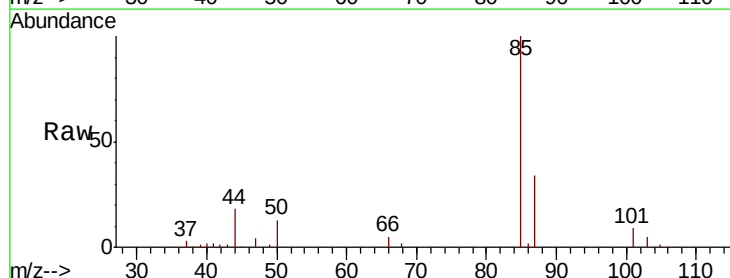
Acq: 15 May 2020 20:11

Tgt Ion: 85 Resp: 64082

Ion Ratio Lower Upper

85 100

87 34.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

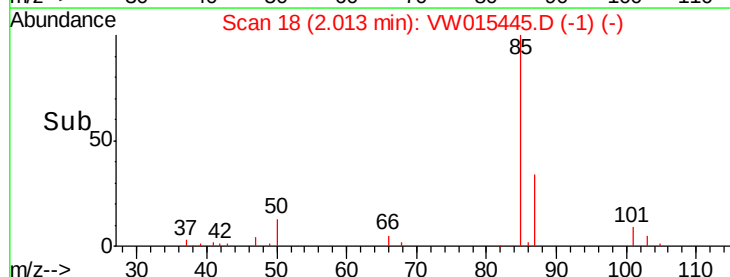
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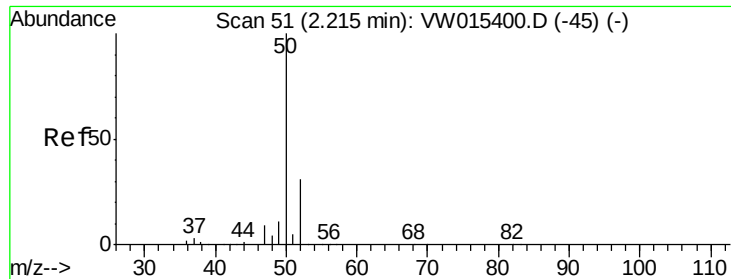
10000

5000

0

Time-->





#3

Chloromethane

Concen: 42.075 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

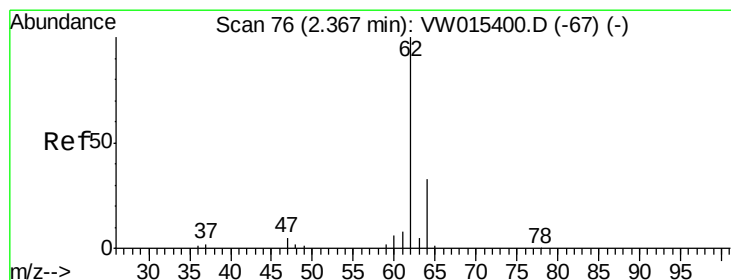
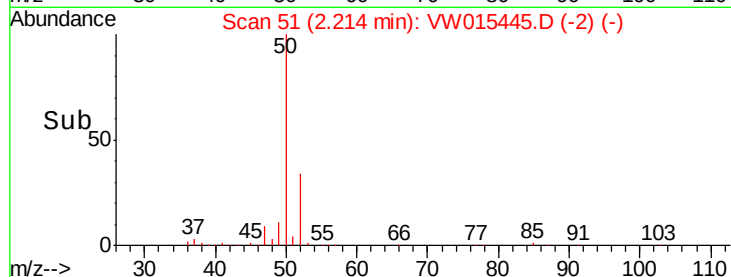
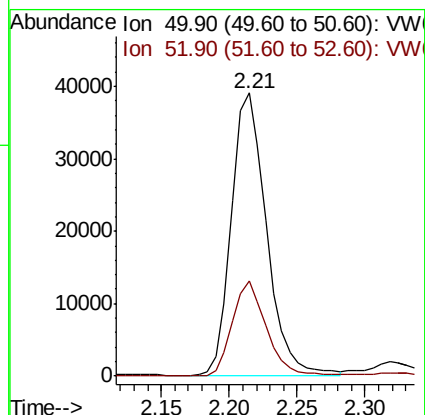
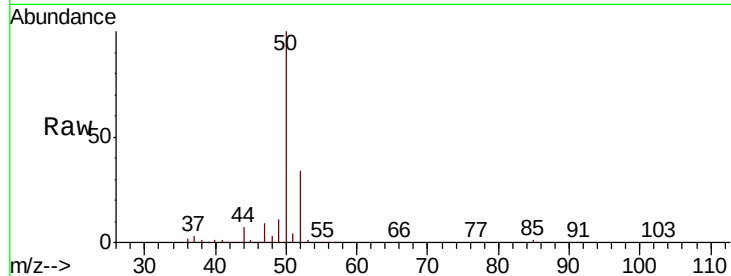
VSTDCCC050EC

Tot Ion: 50 Resp: 70093

Ion Ratio Lower Upper

50 100

52 33.8 25.0 37.6



#4

Vinyl Chloride

Concen: 42.614 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015445.D

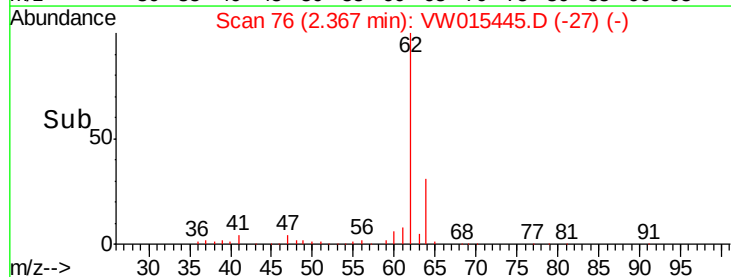
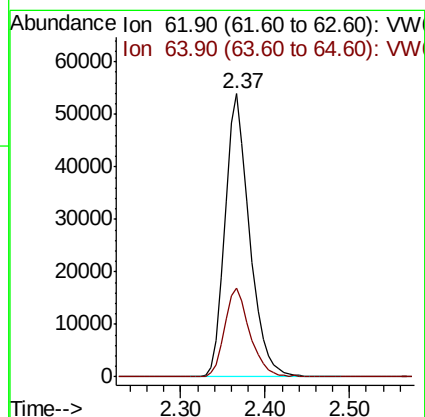
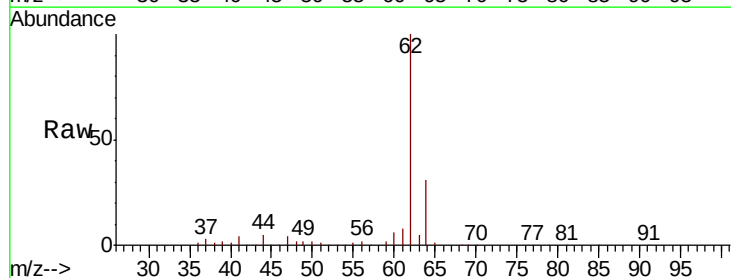
Acq: 15 May 2020 20:11

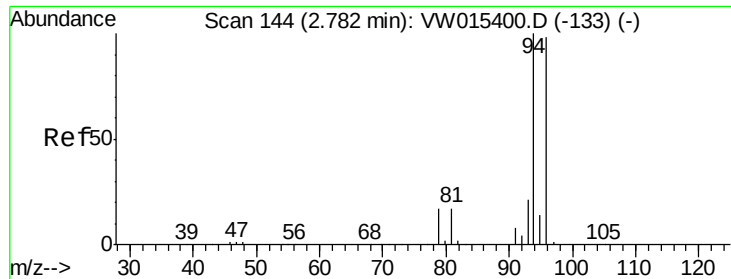
Tgt Ion: 62 Resp: 107509

Ion Ratio Lower Upper

62 100

64 31.4 26.4 39.6





#5

Bromomethane

Concen: 40.860 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

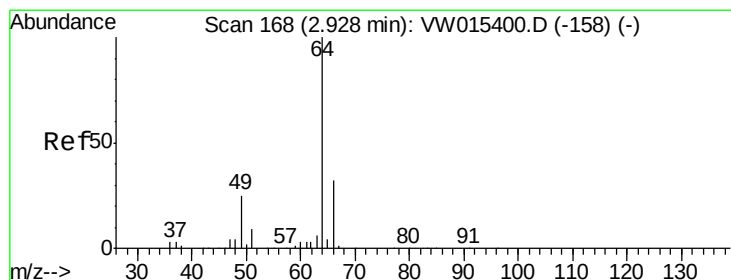
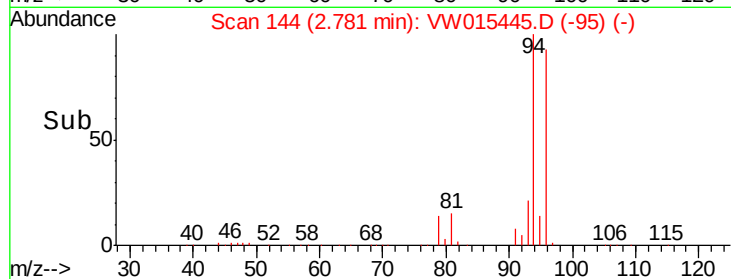
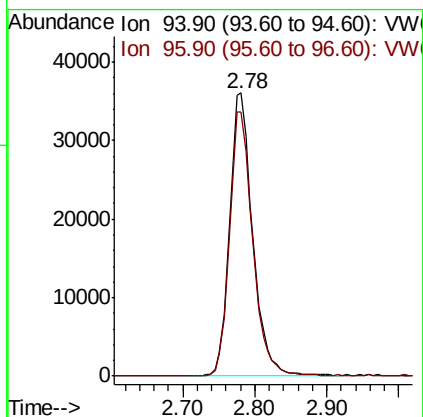
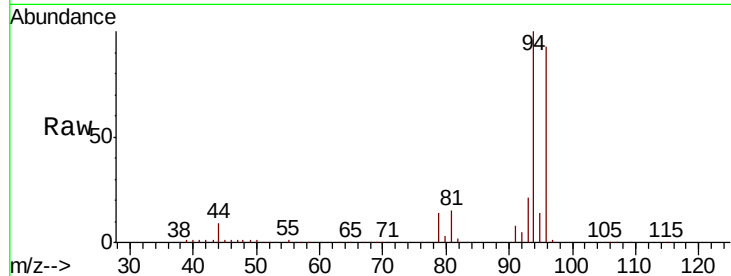
VSTDCCC050EC

Tot Ion: 94 Resp: 80758

Ion Ratio Lower Upper

94 100

96 93.1 78.8 118.2



#6

Chloroethane

Concen: 41.811 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015445.D

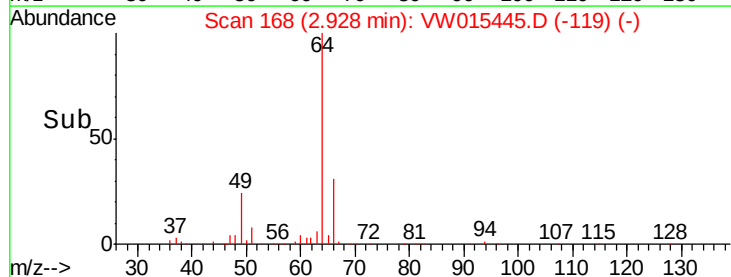
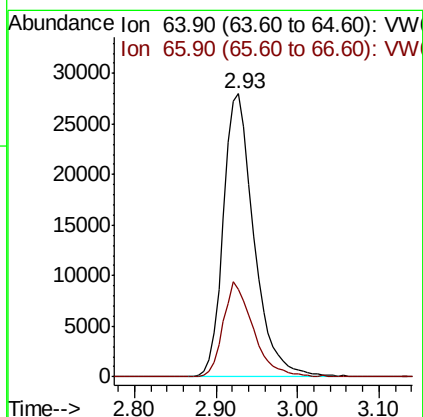
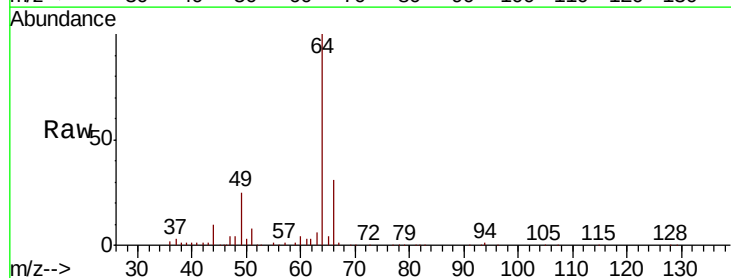
Acq: 15 May 2020 20:11

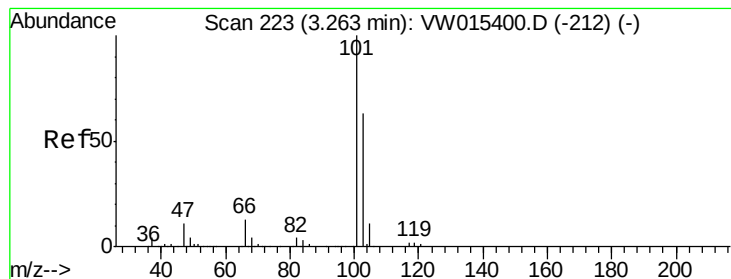
Tgt Ion: 64 Resp: 72691

Ion Ratio Lower Upper

64 100

66 31.0 25.4 38.0



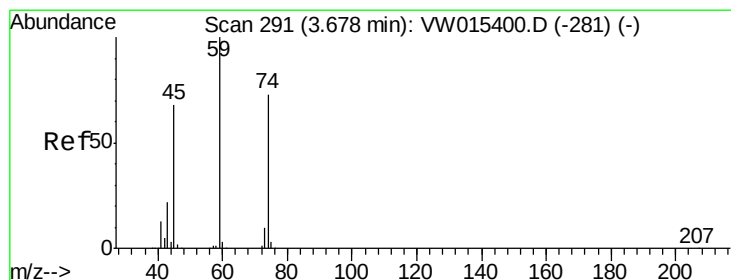
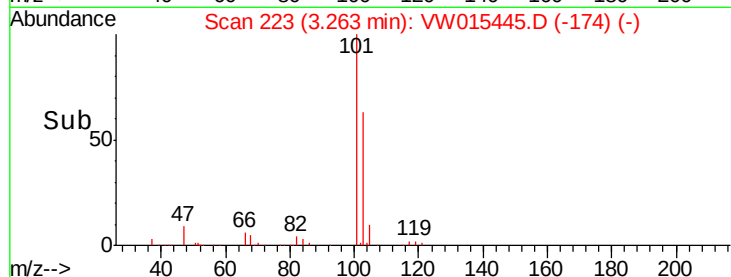
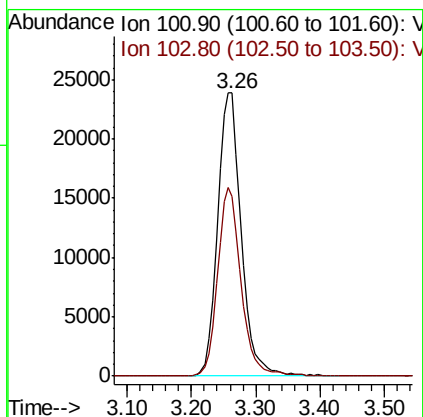
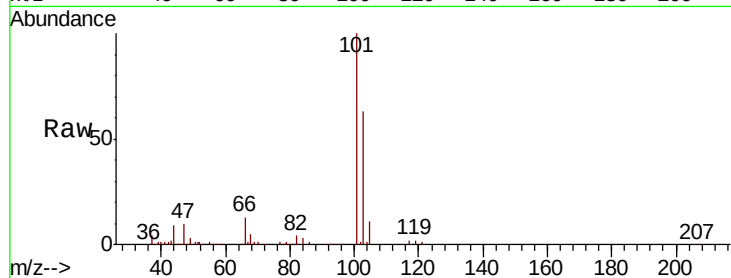


#7

Trichlorofluoromethane
 Concen: 33.440 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Instrument :
 MSVOA_W
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 VSTDCCC050EC

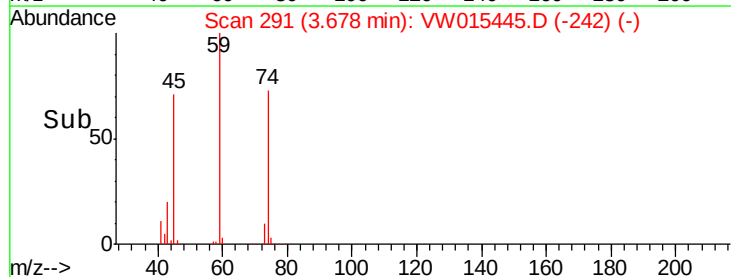
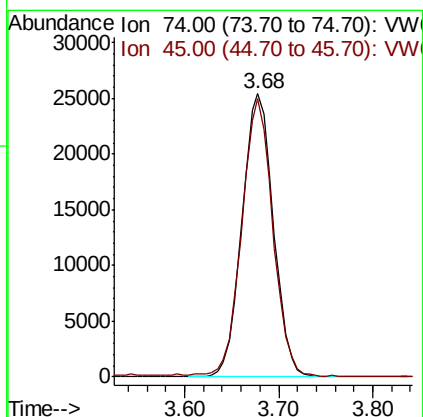
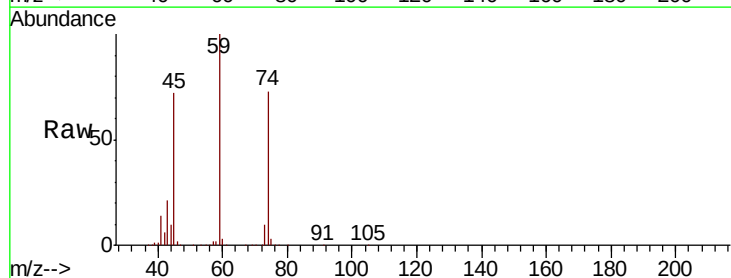
Tot Ion:101 Resp: 61881
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.2 75.4

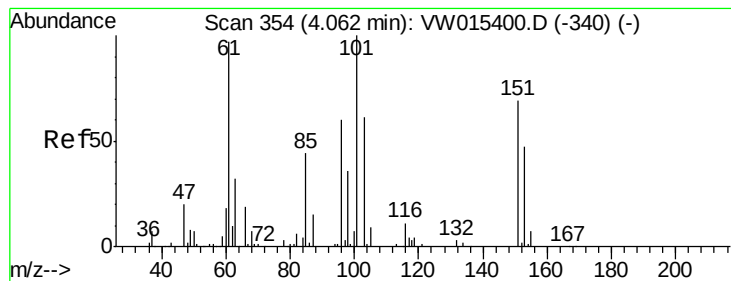


#8

Diethyl Ether
 Concen: 51.265 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion: 74 Resp: 59282
 Ion Ratio Lower Upper
 74 100
 45 96.2 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.064 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

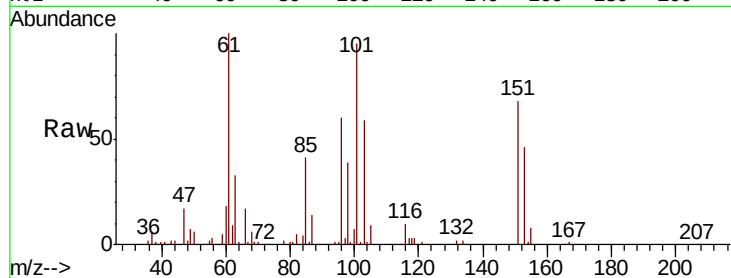
Tot Ion:101 Resp: 98815

Ion Ratio Lower Upper

101 100

85 45.2 37.3 55.9

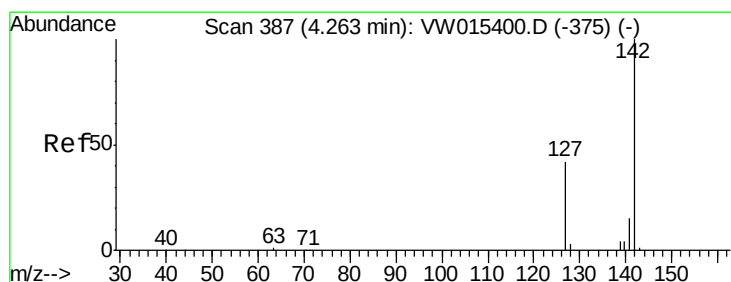
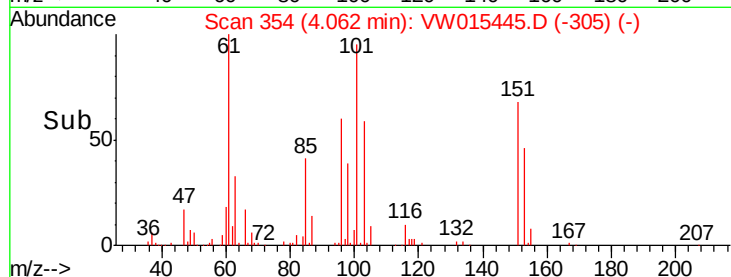
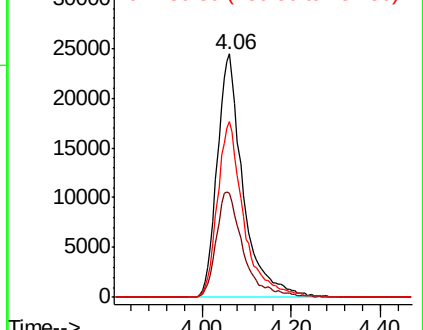
151 73.5 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.235 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

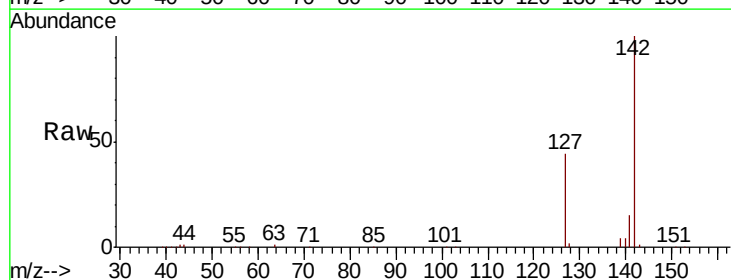
Tgt Ion:142 Resp: 156572

Ion Ratio Lower Upper

142 100

127 45.5 35.4 53.2

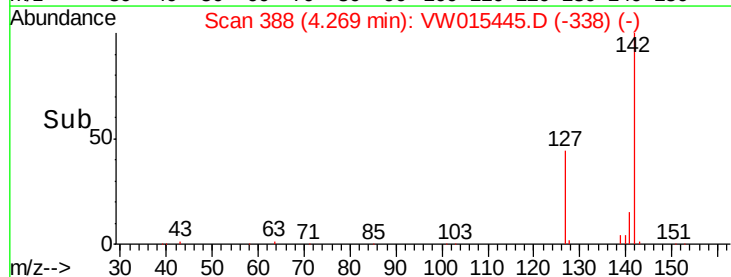
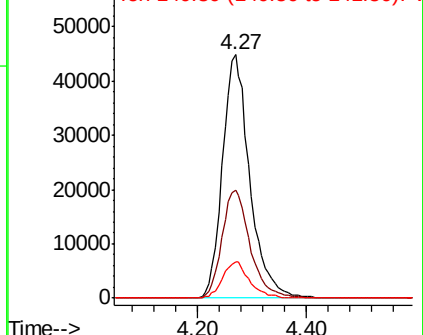
141 14.8 11.7 17.5

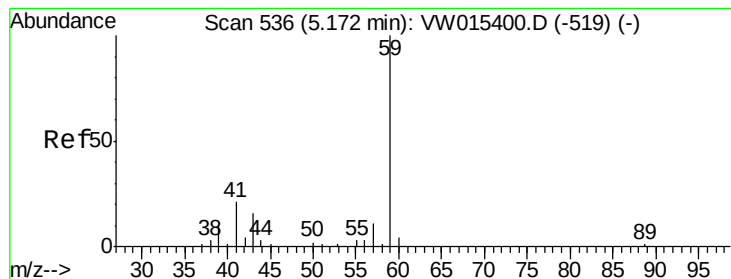


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



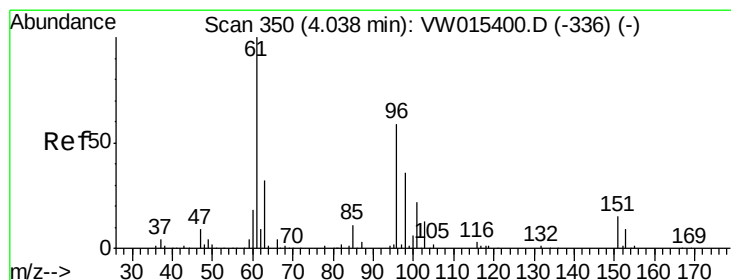
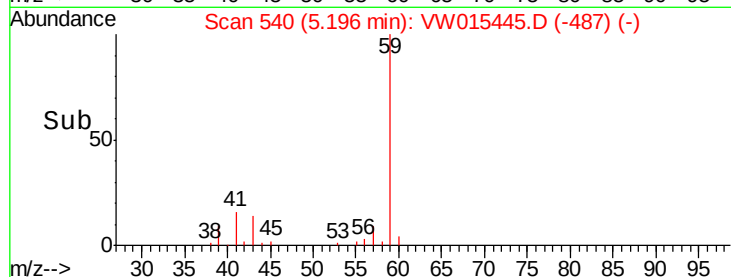
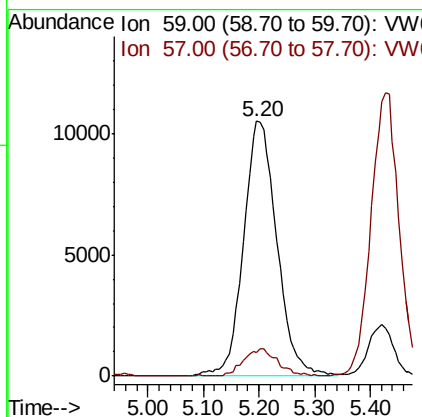
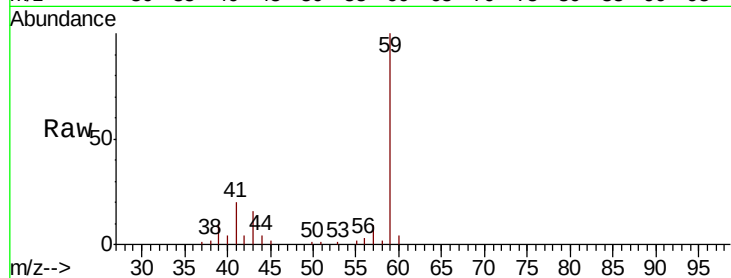


#11

Tert butyl alcohol
 Concen: 300.762 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

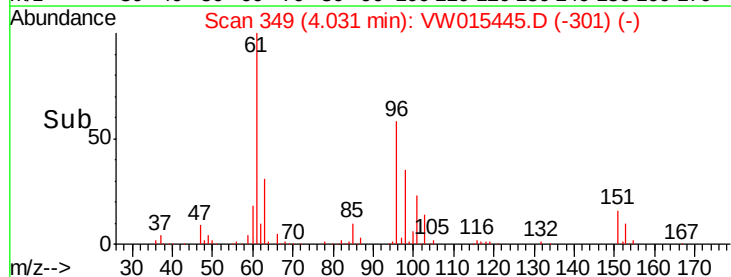
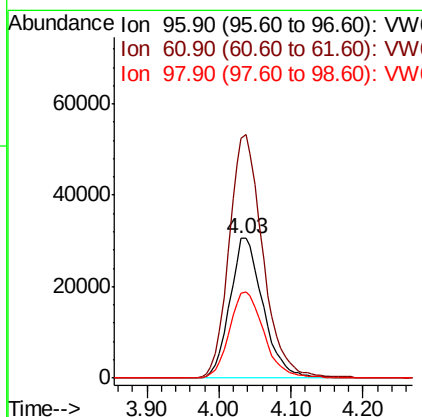
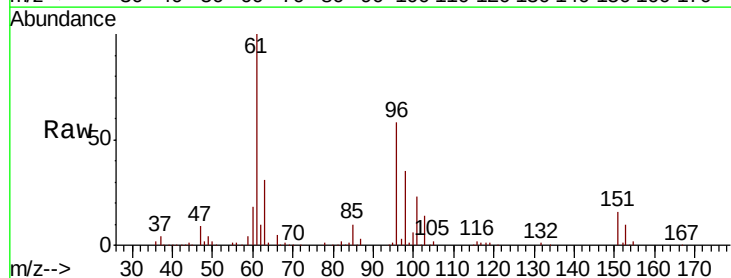
Tot Ion: 59 Resp: 43880
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.6 13.0

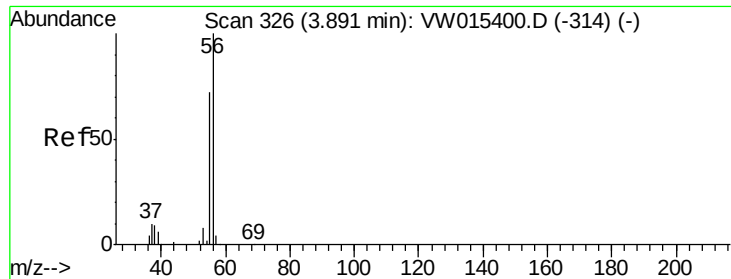


#12

1,1-Dichloroethene
 Concen: 44.153 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion: 96 Resp: 98222
 Ion Ratio Lower Upper
 96 100
 61 172.0 135.8 203.8
 98 60.5 48.6 72.8





#13

Acrolein

Concen: 192.388 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

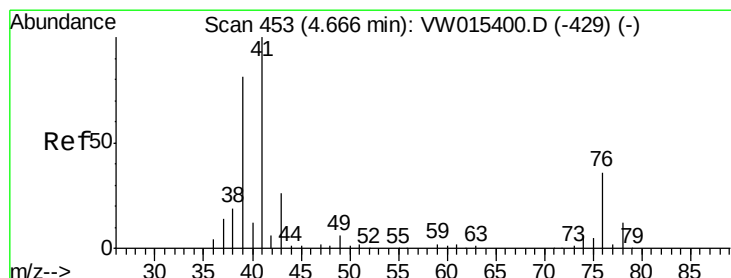
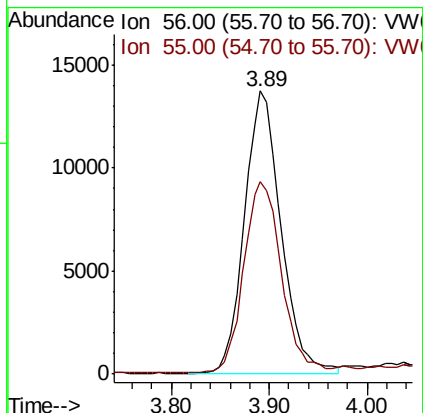
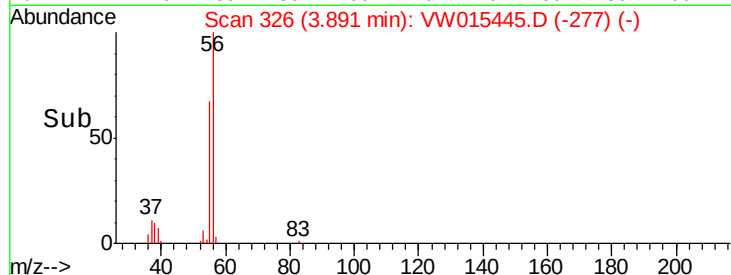
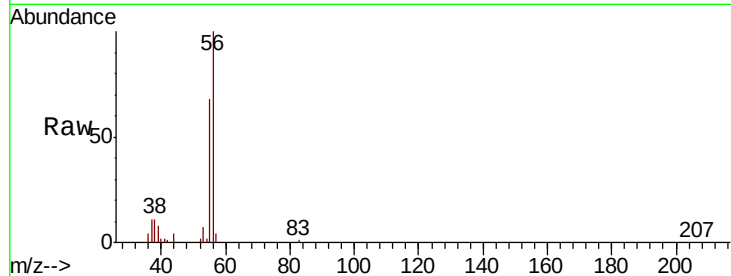
VSTDCCC050EC

Tot Ion: 56 Resp: 35844

Ion Ratio Lower Upper

56 100

55 69.1 56.4 84.6



#14

Allyl chloride

Concen: 46.141 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

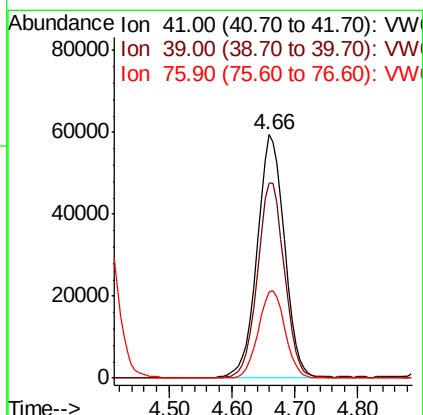
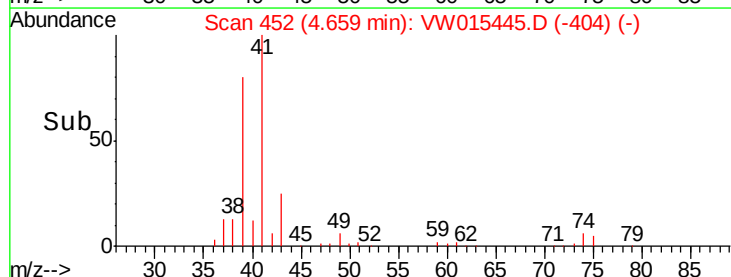
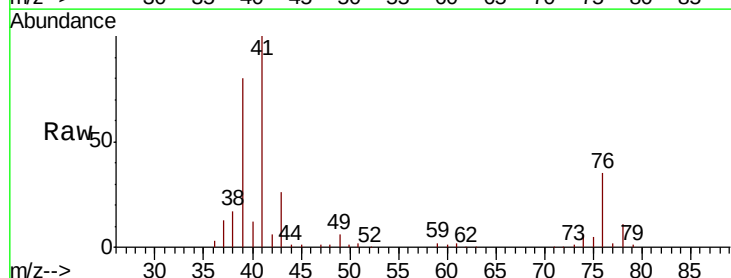
Tgt Ion: 41 Resp: 179847

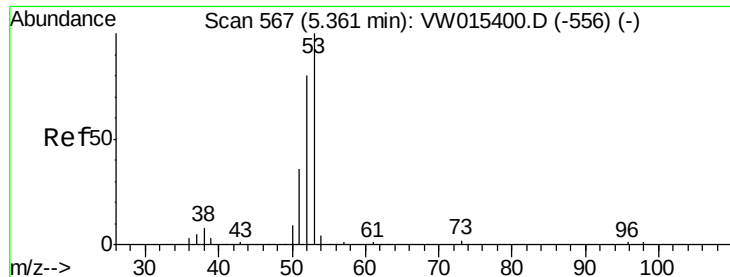
Ion Ratio Lower Upper

41 100

39 78.8 63.6 95.4

76 35.0 28.4 42.6





#15

Acrylonitrile

Concen: 274.669 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

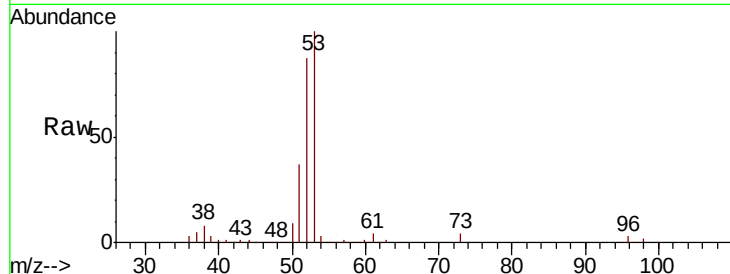
Tot Ion: 53 Resp: 129268

Ion Ratio Lower Upper

53 100

52 83.0 66.6 99.8

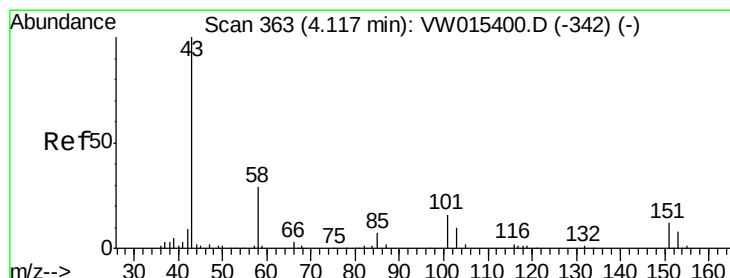
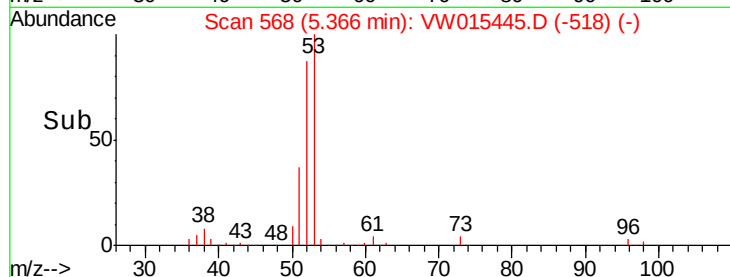
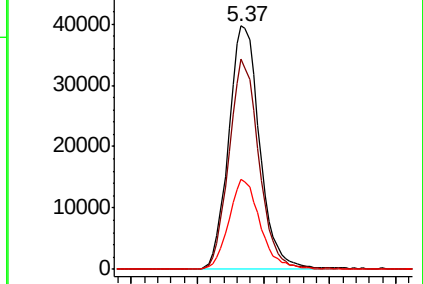
51 37.4 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 267.703 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015445.D

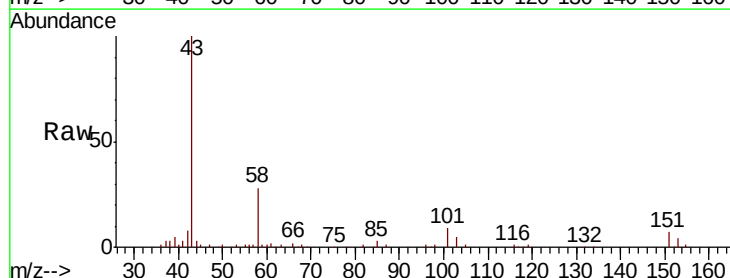
Acq: 15 May 2020 20:11

Tgt Ion: 43 Resp: 105218

Ion Ratio Lower Upper

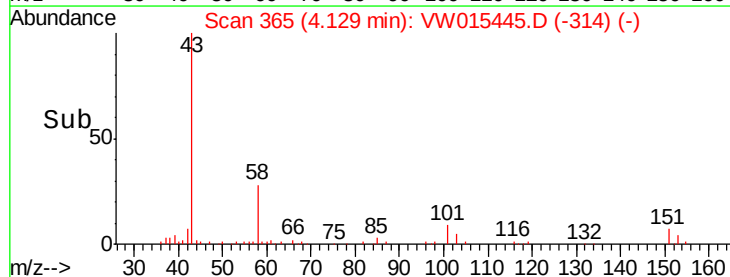
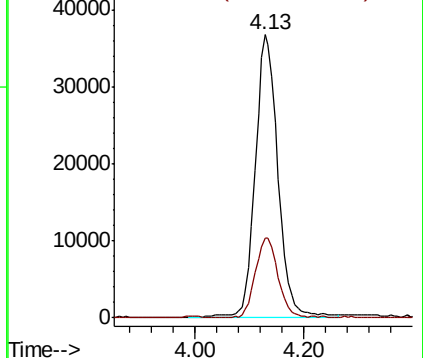
43 100

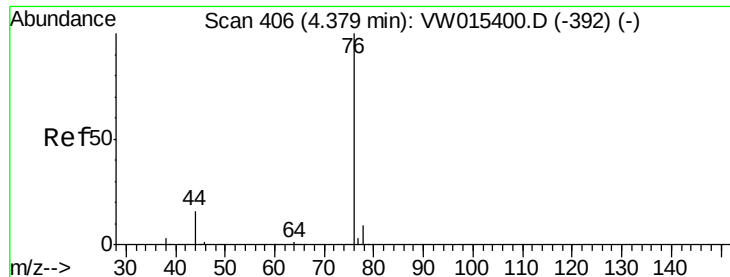
58 28.0 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

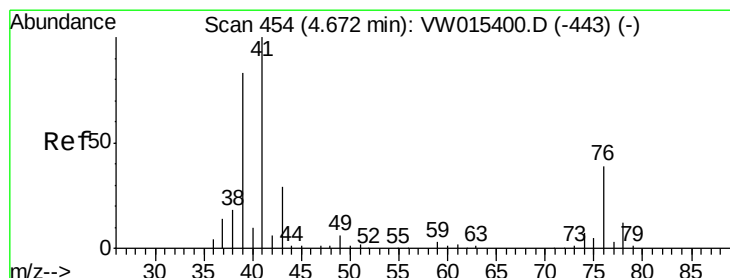
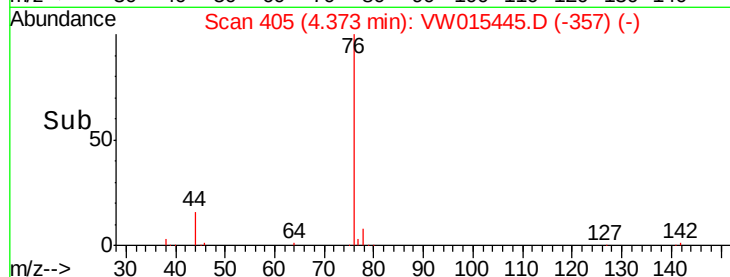
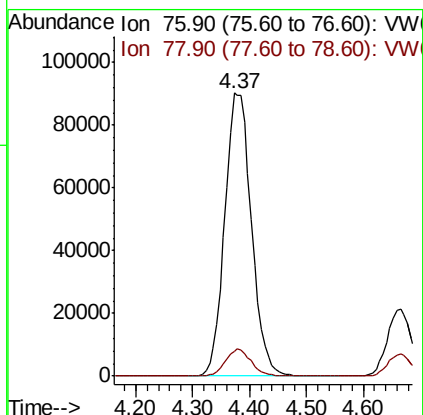
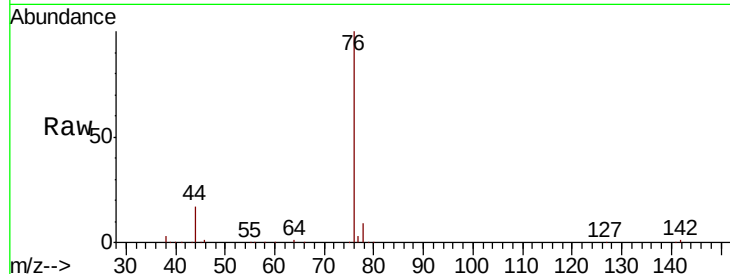




#17
Carbon Disulfide
Concen: 43.271 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

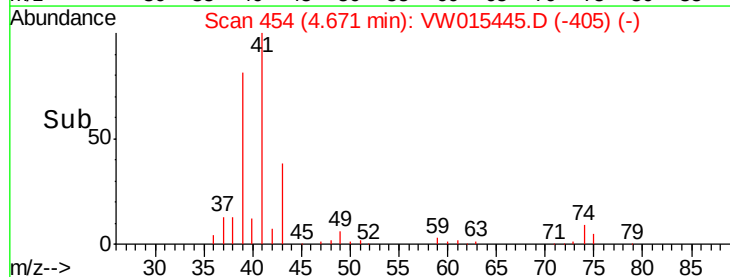
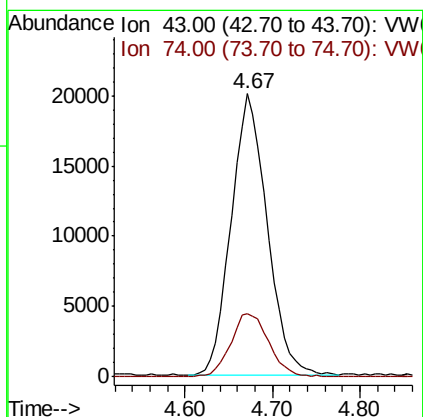
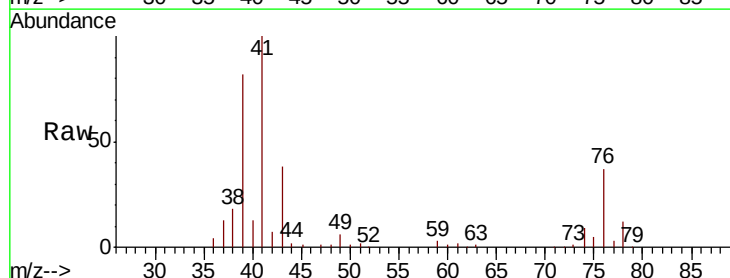
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

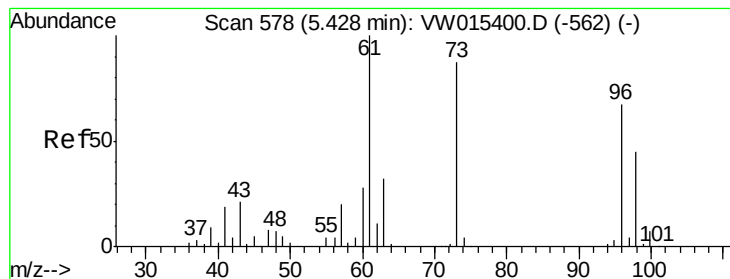
Tot Ion: 76 Resp: 295156
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#18
Methyl Acetate
Concen: 54.557 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion: 43 Resp: 56925
Ion Ratio Lower Upper
43 100
74 23.8 18.7 28.1



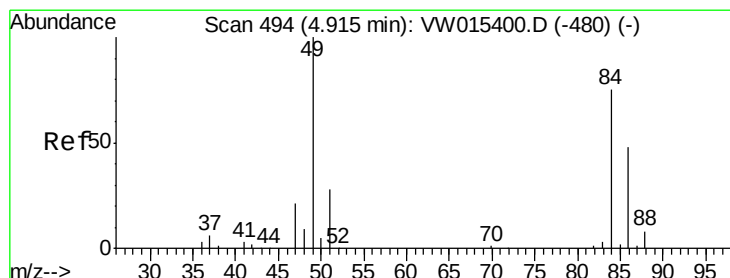
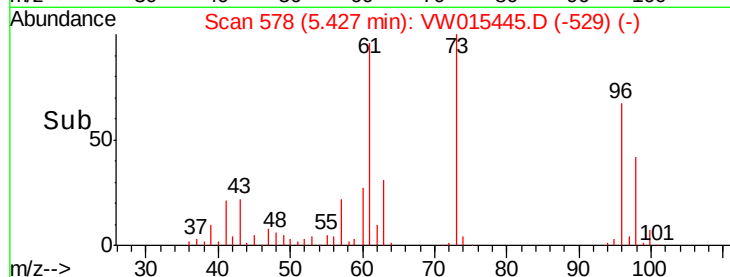
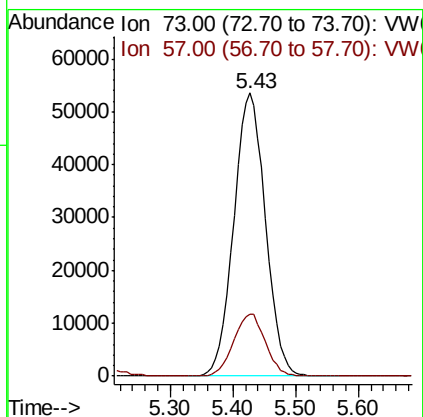
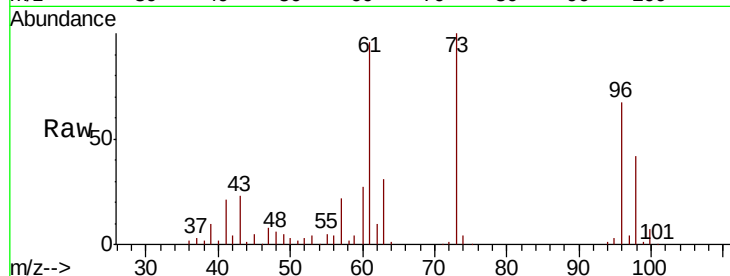


#19

Methyl tert-butyl Ether
 Concen: 52.221 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

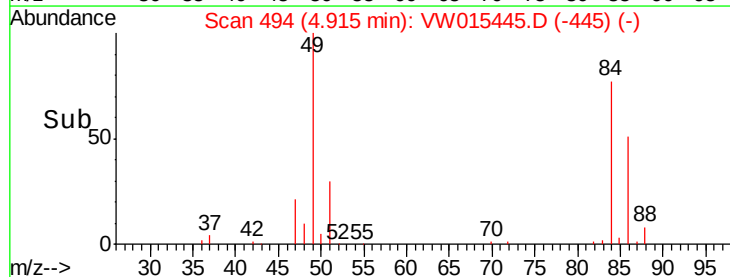
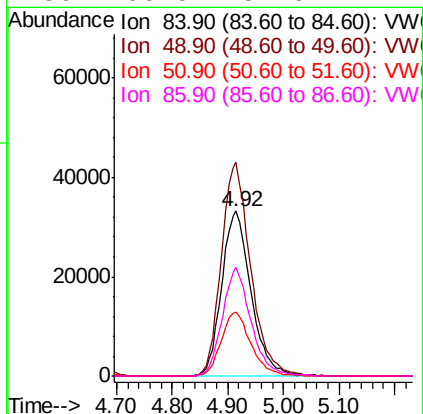
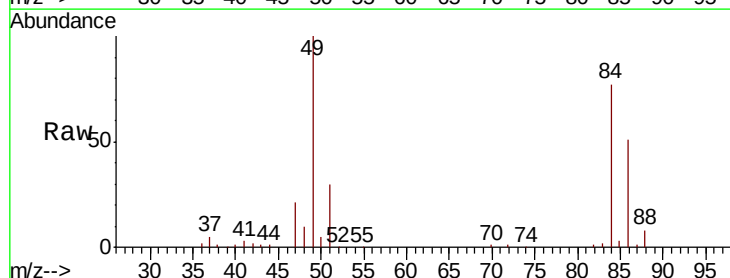
Tot Ion: 73 Resp: 186652
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.5 27.7

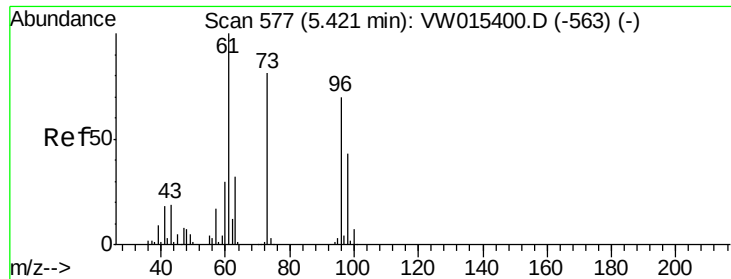


#20

Methylene Chloride
 Concen: 47.140 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion: 84 Resp: 120888
 Ion Ratio Lower Upper
 84 100
 49 129.8 106.4 159.6
 51 38.7 30.2 45.2
 86 66.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 46.546 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

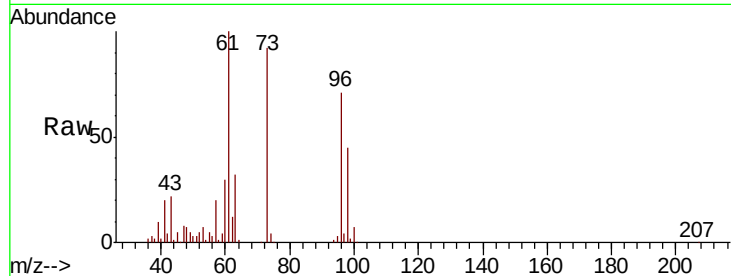
Tot Ion: 96 Resp: 117540

Ion Ratio Lower Upper

96 100

61 139.9 114.9 172.3

98 63.3 49.4 74.0

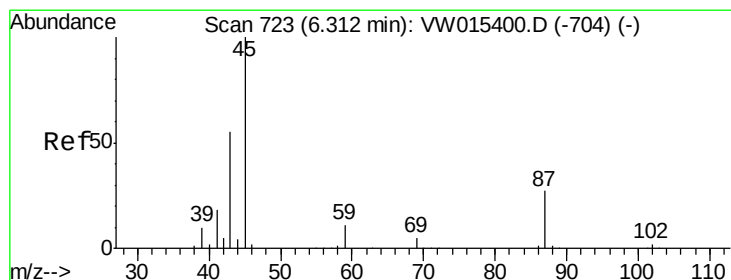
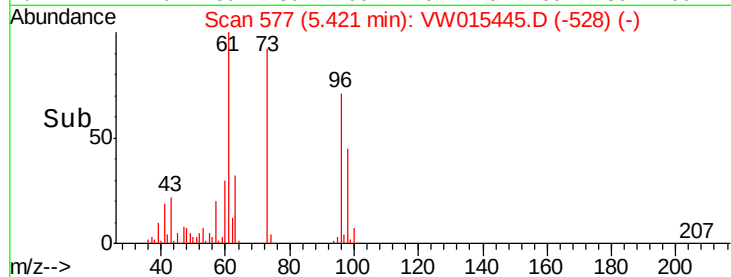
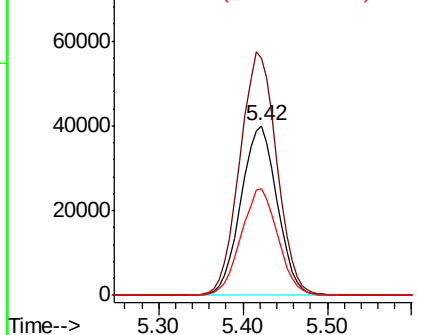


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 48.186 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Tgt Ion: 45 Resp: 367012

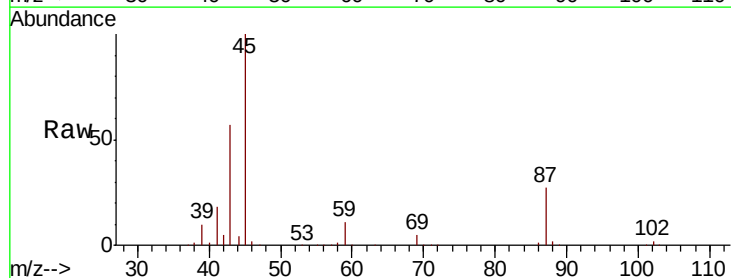
Ion Ratio Lower Upper

45 100

43 57.0 44.2 66.4

87 27.0 21.6 32.4

59 11.1 9.0 13.6



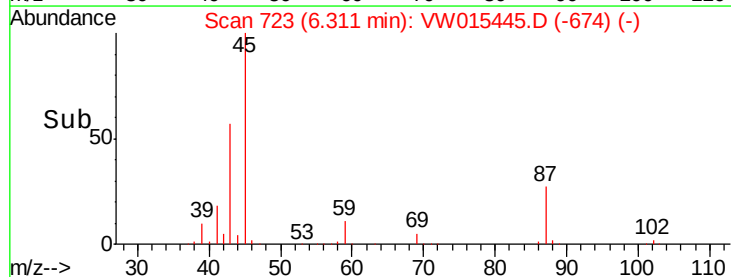
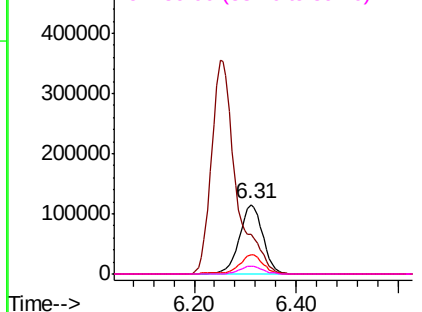
Abundance

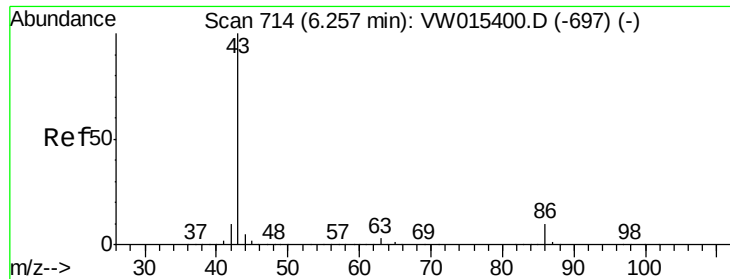
Ion 45.00 (44.70 to 45.70): VW

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: 256.364 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

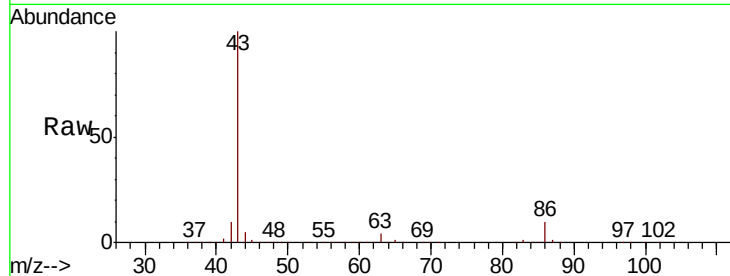
VSTDCCC050EC

Tot Ion: 43 Resp: 1186981

Ion Ratio Lower Upper

43 100

86 10.2 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

300000

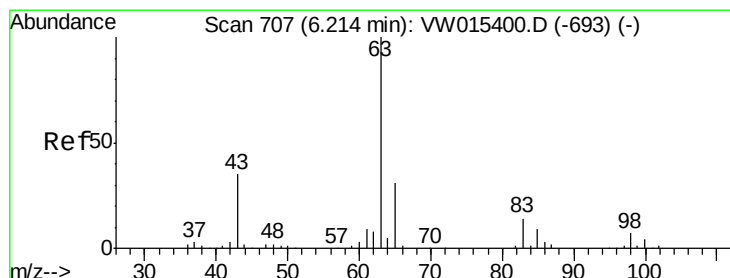
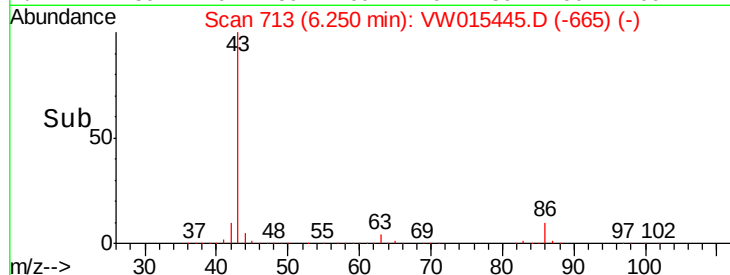
200000

100000

0

6.20 6.40 6.60

Time-->



#24

1,1-Dichloroethane

Concen: 47.186 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

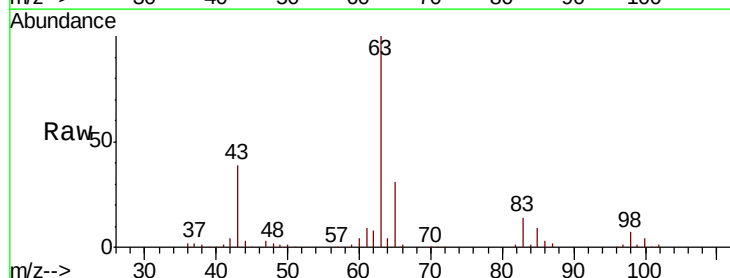
Tgt Ion: 63 Resp: 215462

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

80000

60000

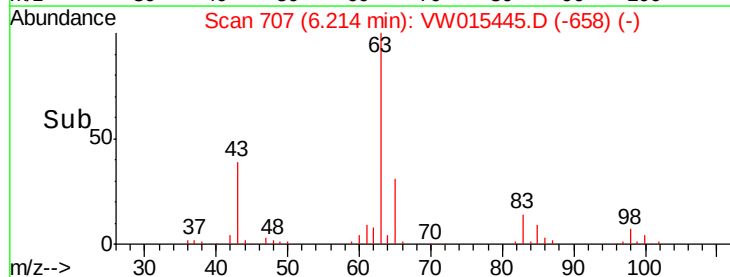
40000

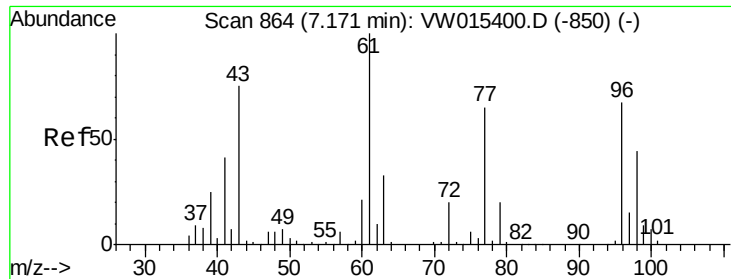
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 278.666 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

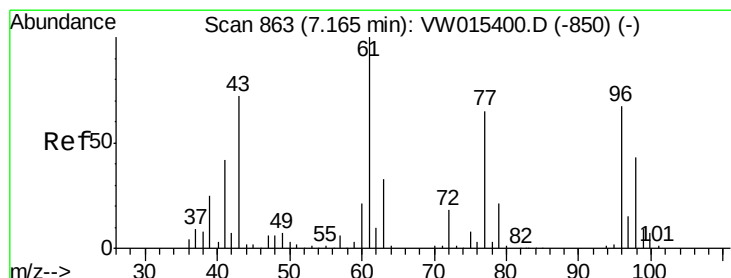
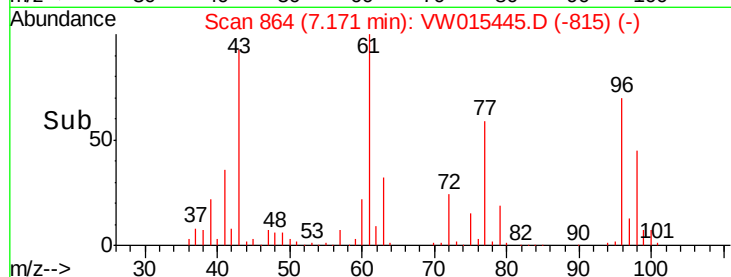
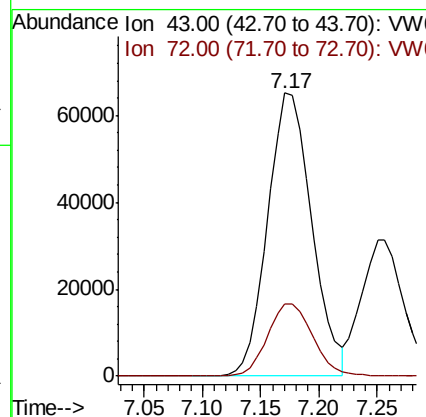
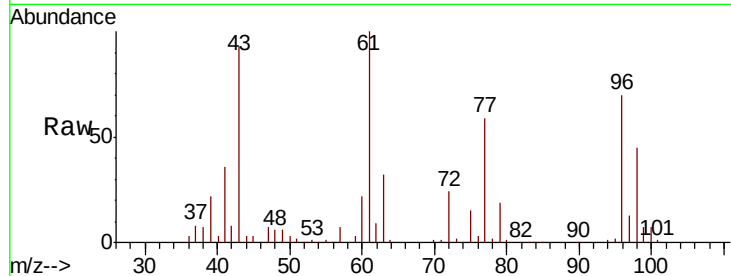
VSTDCCC050EC

Tot Ion: 43 Resp: 170718

Ion Ratio Lower Upper

43 100

72 25.3 21.4 32.0



#26

2,2-Dichloropropane

Concen: 41.549 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015445.D

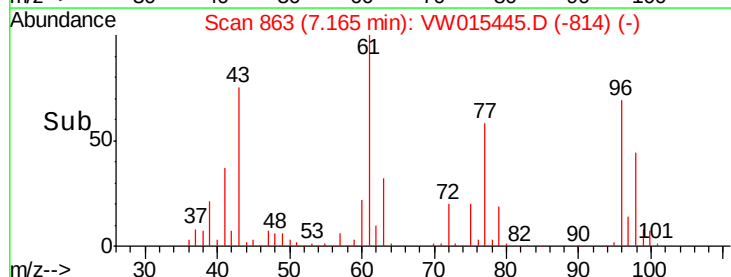
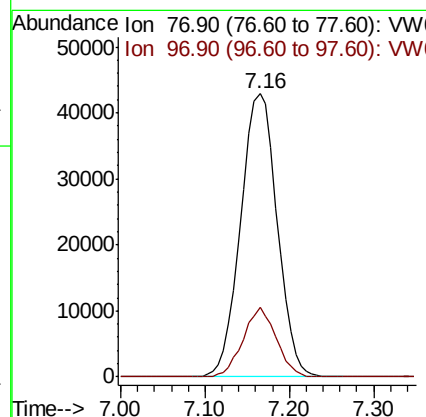
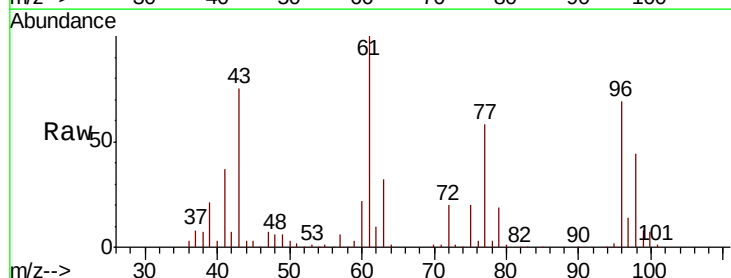
Acq: 15 May 2020 20:11

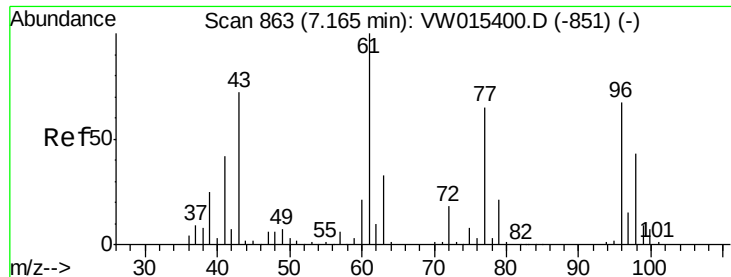
Tgt Ion: 77 Resp: 125746

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1



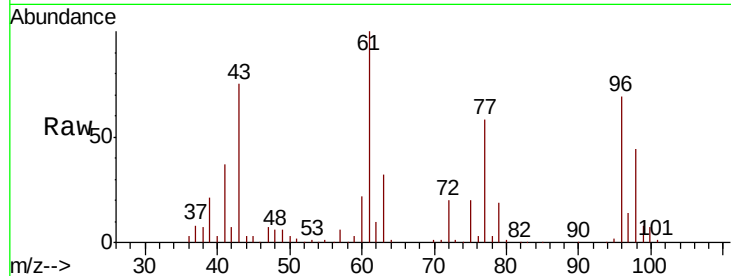


#27

cis-1,2-Dichloroethene
 Concen: 48.189 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	96	Resp	132138
Ion Ratio	Lower	Upper	
96	100		
61	146.6	0.0	304.6
98	64.1	0.0	129.2

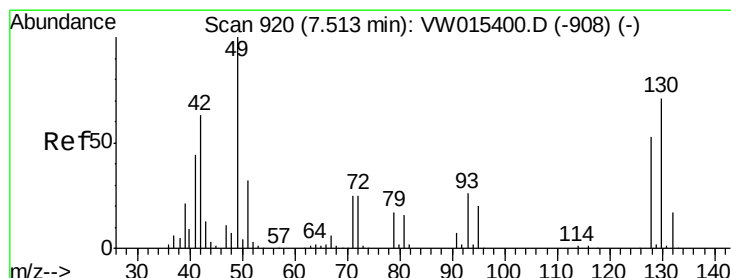
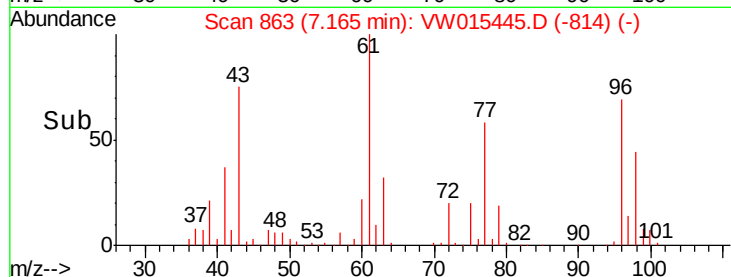
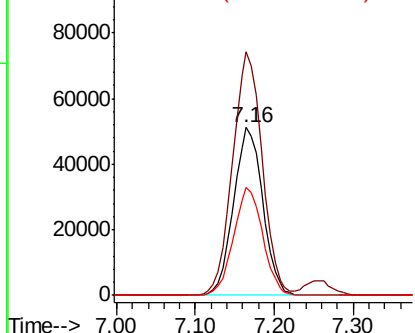


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

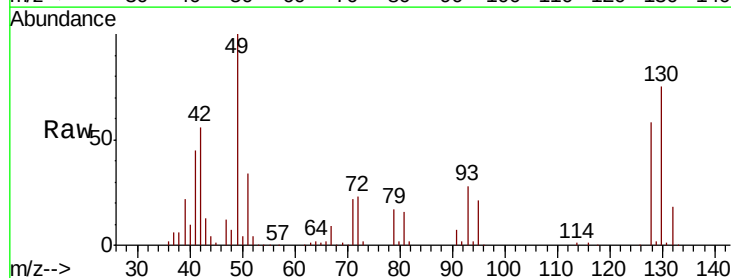
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
 Concen: 48.567 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion	49	Resp	89169
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.0
130	73.7	57.0	85.4

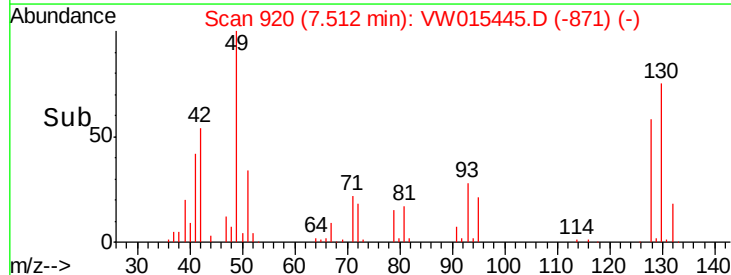
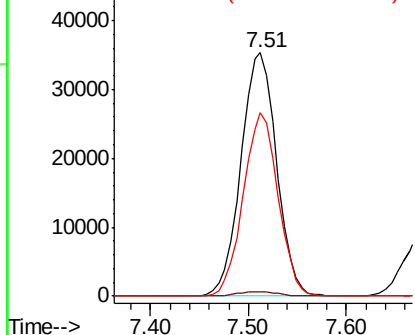


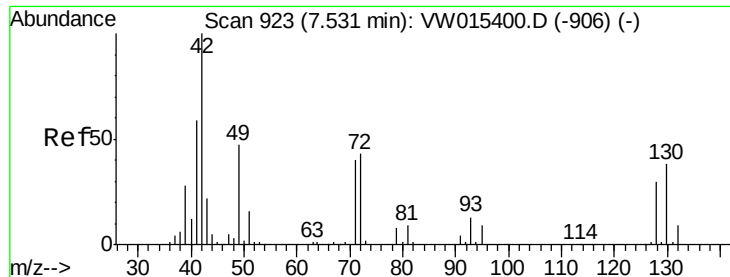
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

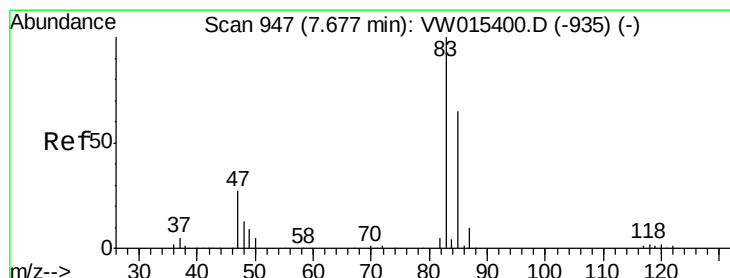
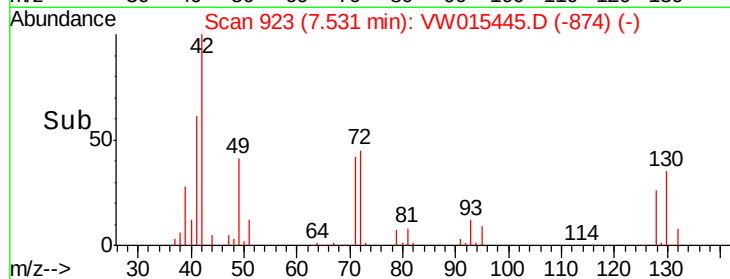
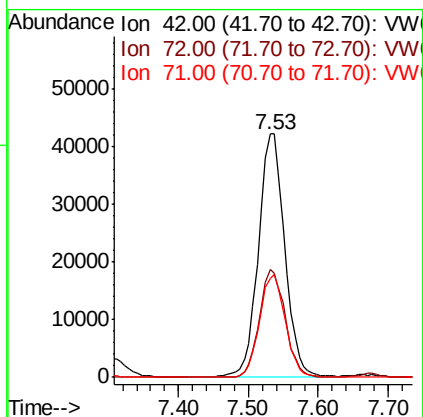
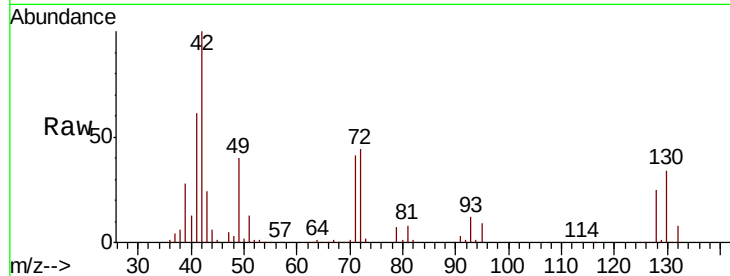




#29
Tetrahydrofuran
Concen: 275.931 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

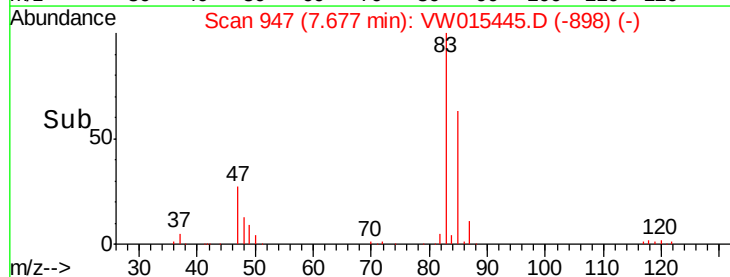
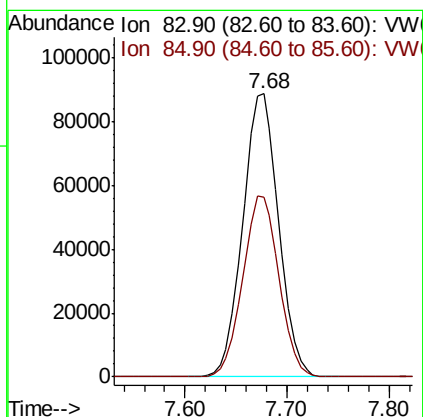
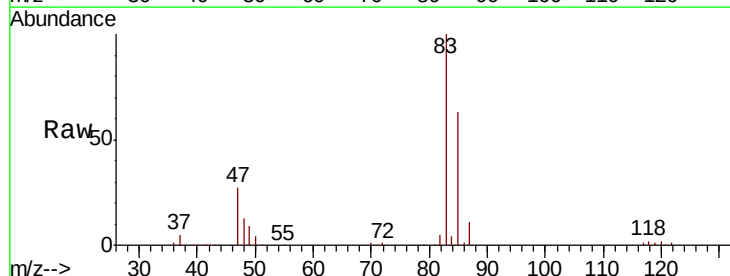
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

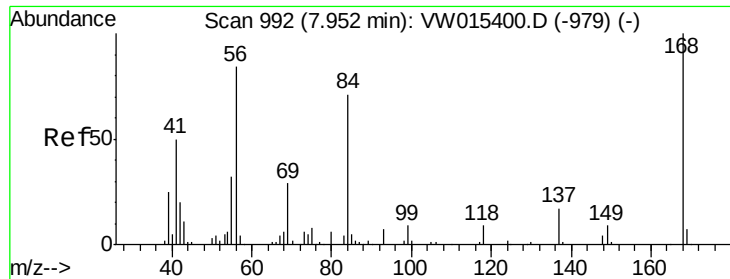
Tot Ion: 42 Resp: 111249
Ion Ratio Lower Upper
42 100
72 43.4 33.6 50.4
71 41.2 32.1 48.1



#30
Chloroform
Concen: 47.758 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion: 83 Resp: 216672
Ion Ratio Lower Upper
83 100
85 63.3 51.8 77.6

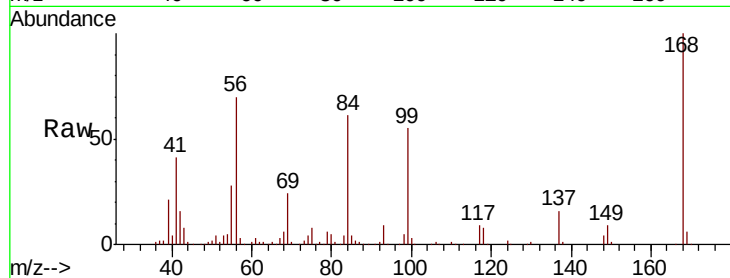




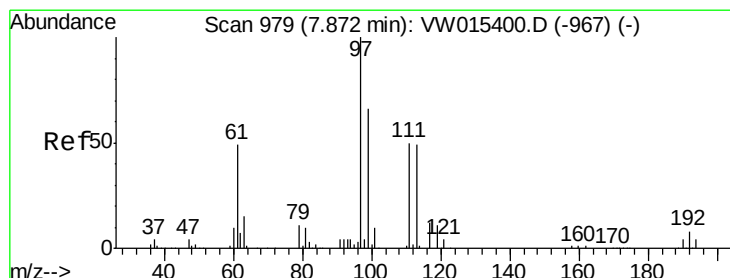
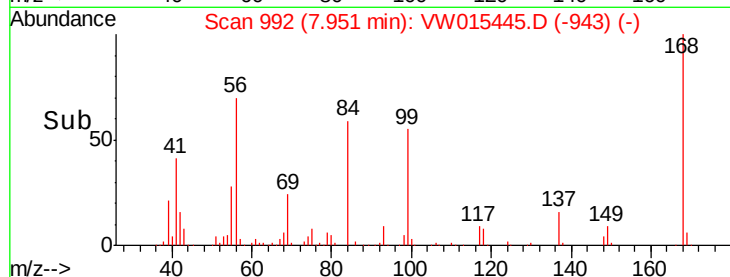
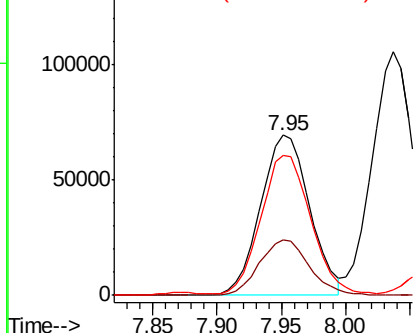
#31
Cyclohexane
Concen: 39.723 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 184166
Ion Ratio Lower Upper
56 100
69 34.7 27.2 40.8
84 85.9 67.7 101.5

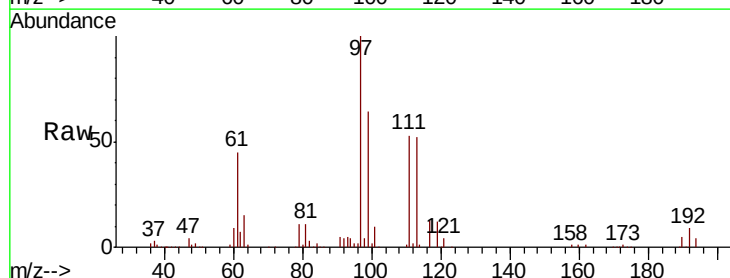


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

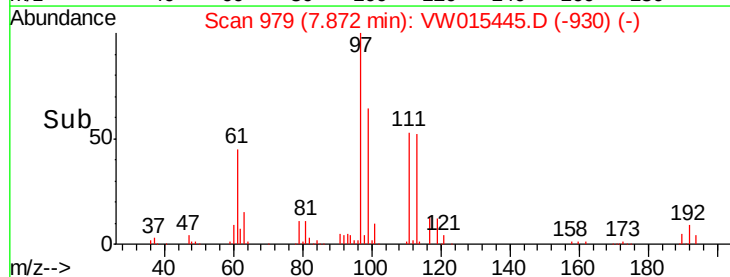
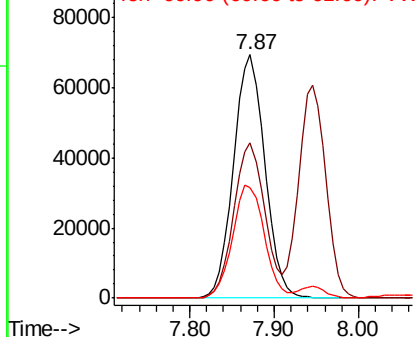


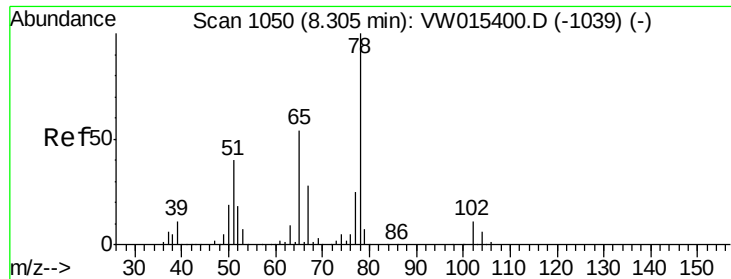
#32
1,1,1-Trichloroethane
Concen: 45.661 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion: 97 Resp: 174109
Ion Ratio Lower Upper
97 100
99 63.5 50.7 76.1
61 47.2 38.0 57.0



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

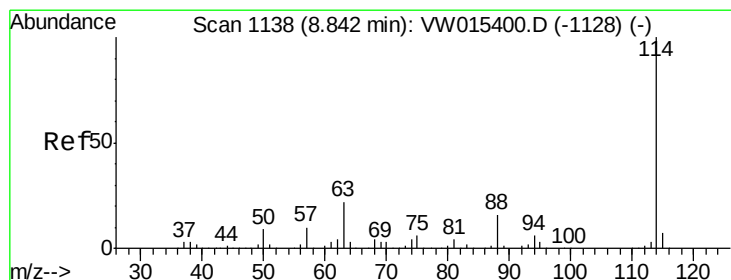
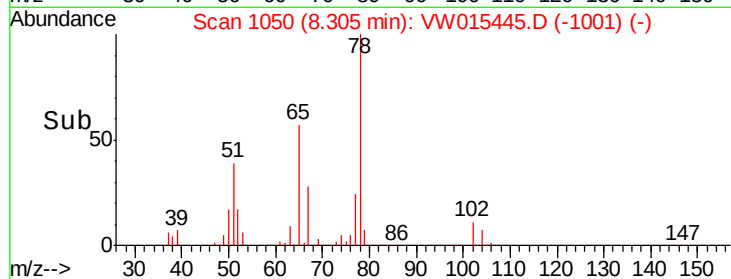
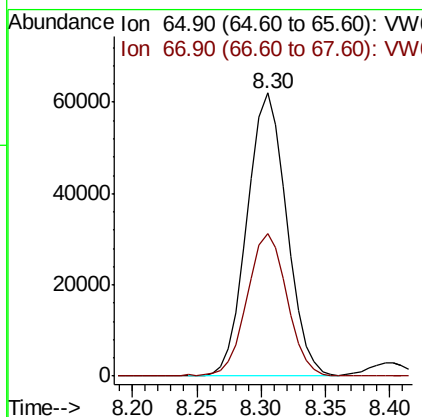
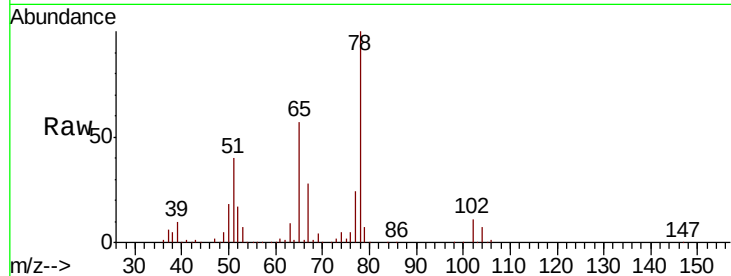




#33
 1,2-Dichloroethane-d4
 Concen: 52.322 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

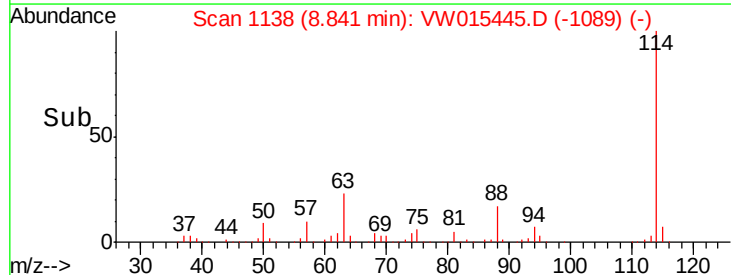
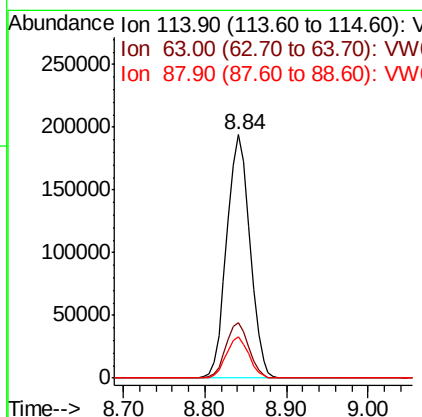
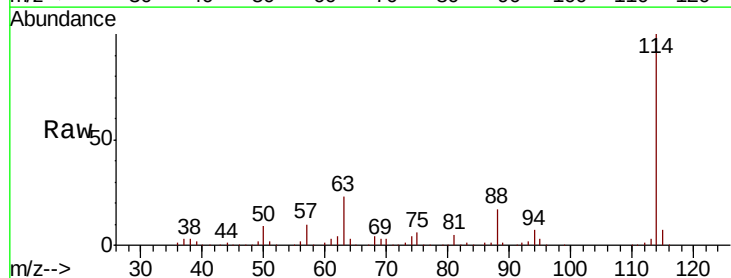
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

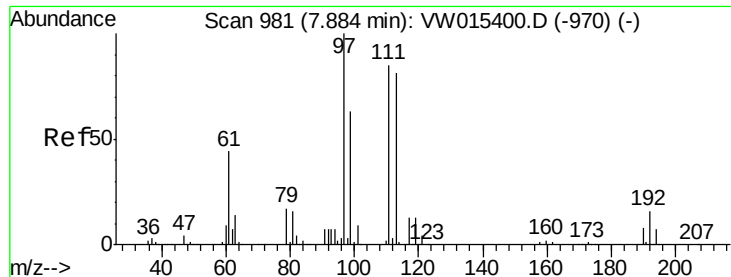
Tot Ion: 65 Resp: 132378
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion: 114 Resp: 379756
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.4
 88 16.7 0.0 31.8

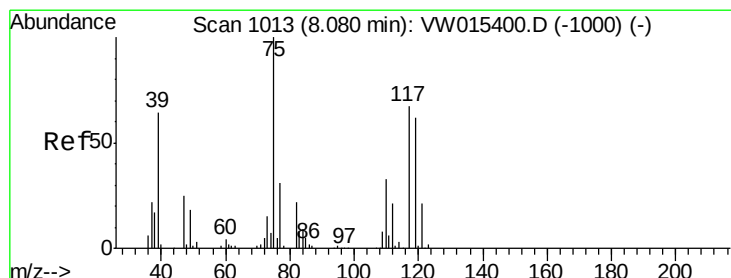
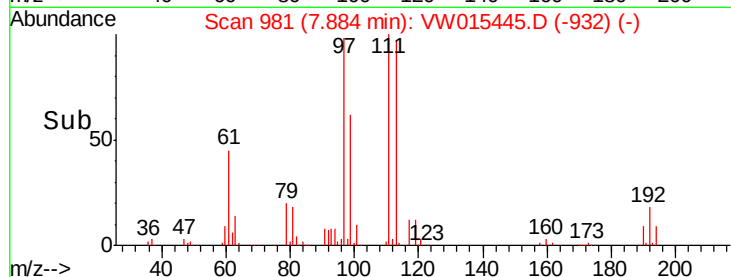
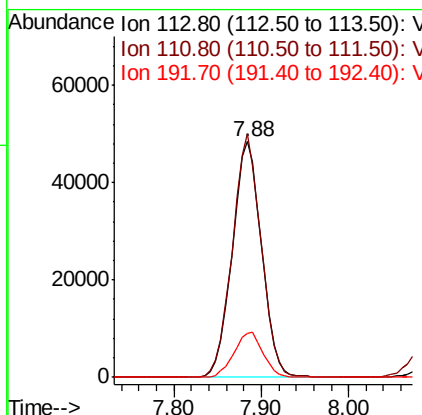
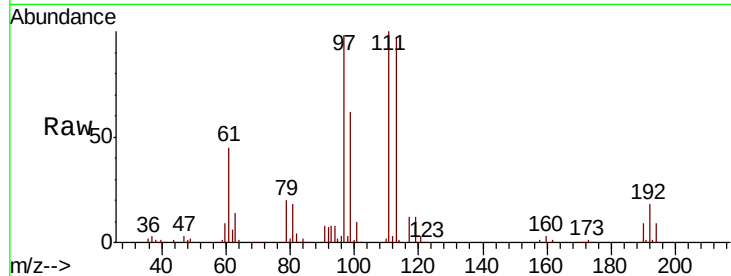




#35
 Dibromofluoromethane
 Concen: 51.694 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

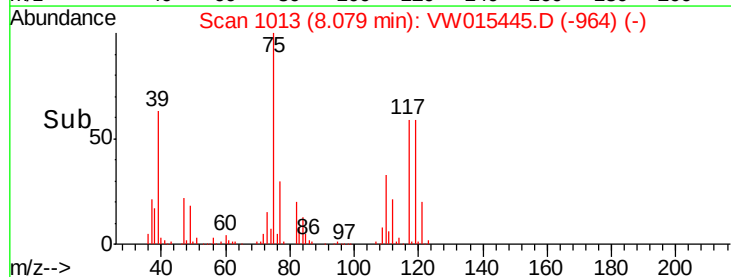
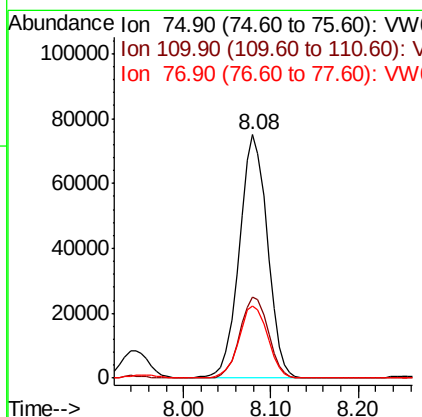
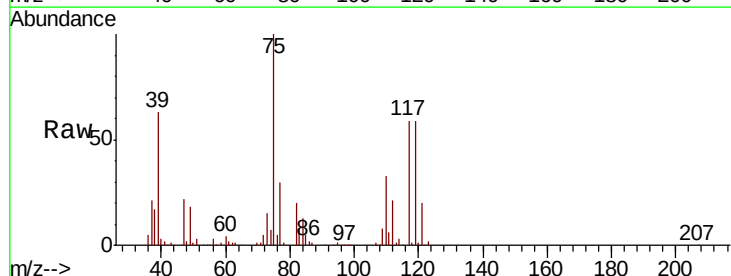
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

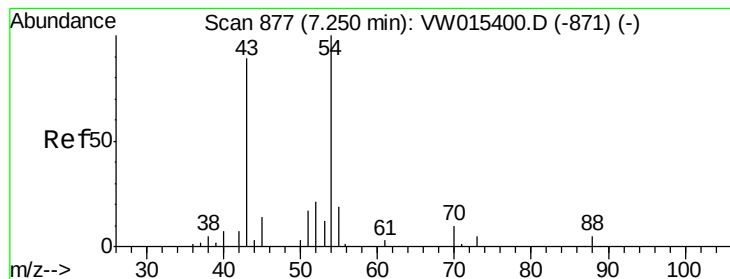
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.9	124.3
192	19.0	15.4	23.0



#36
 1,1-Dichloropropene
 Concen: 44.874 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.6	49.8
77	30.6	24.5	36.7





#37

Ethyl Acetate

Concen: 55.763 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

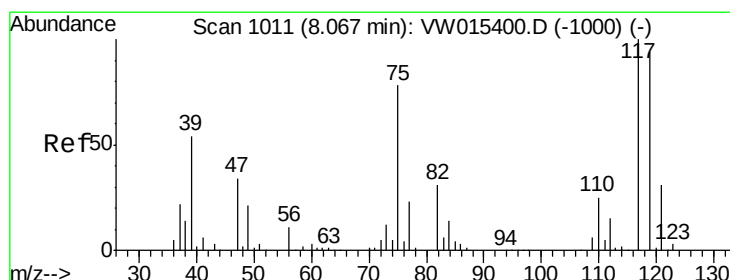
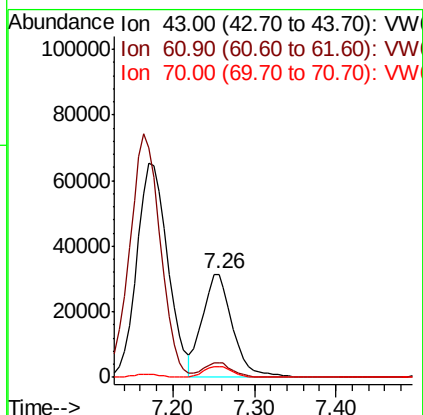
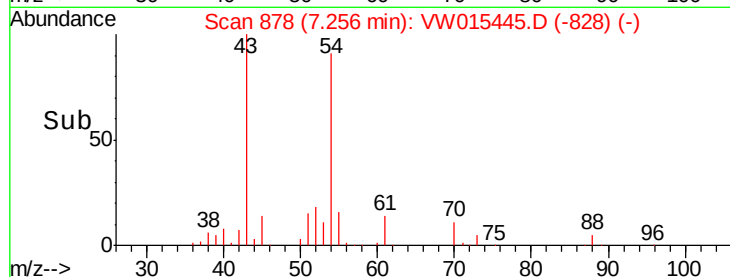
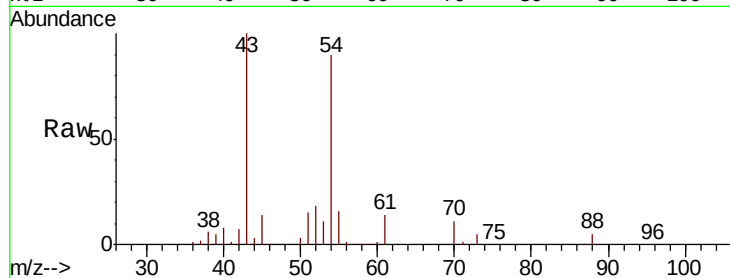
Tot Ion: 43 Resp: 80729

Ion Ratio Lower Upper

43 100

61 13.3 10.2 15.2

70 10.6 8.0 12.0



#38

Carbon Tetrachloride

Concen: 44.845 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

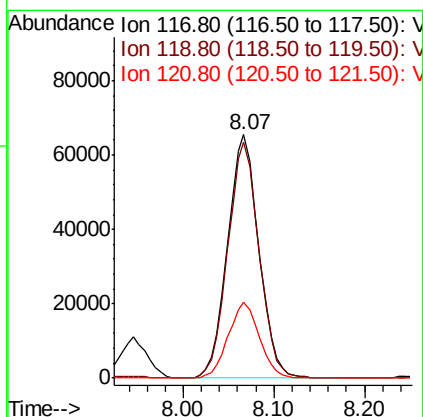
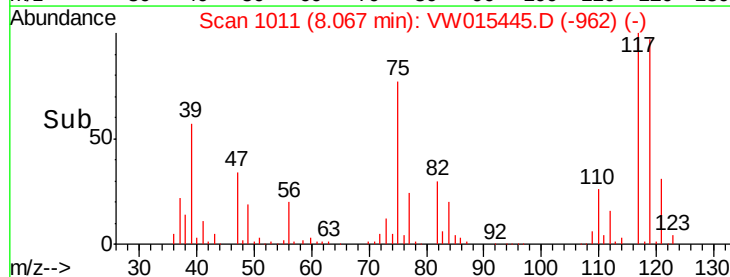
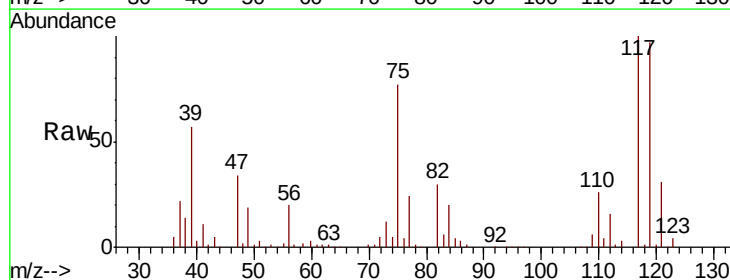
Tgt Ion: 117 Resp: 156420

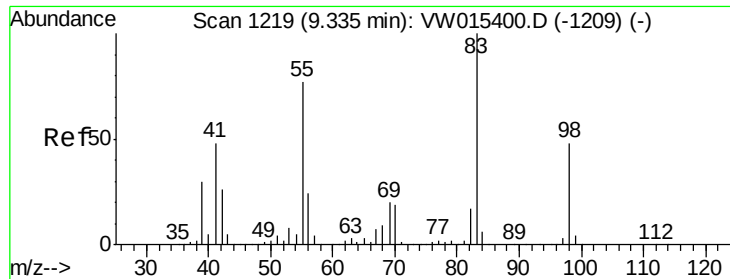
Ion Ratio Lower Upper

117 100

119 96.9 75.4 113.0

121 31.2 24.8 37.2

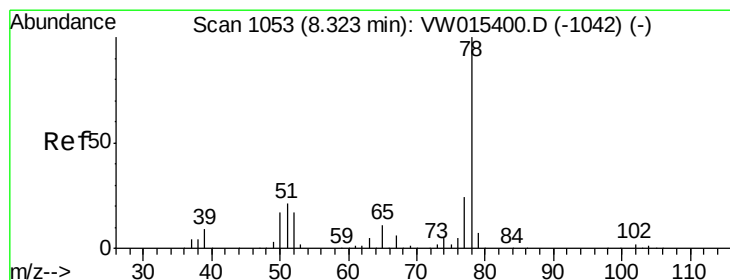
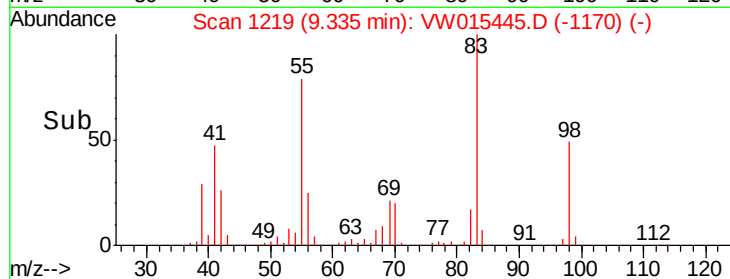
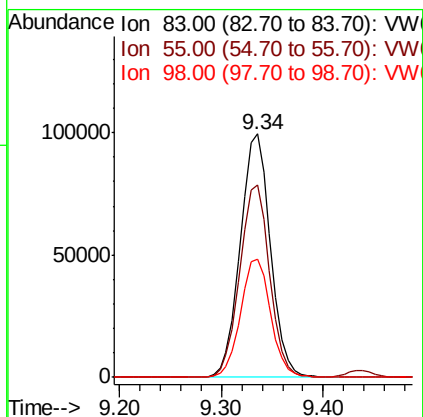
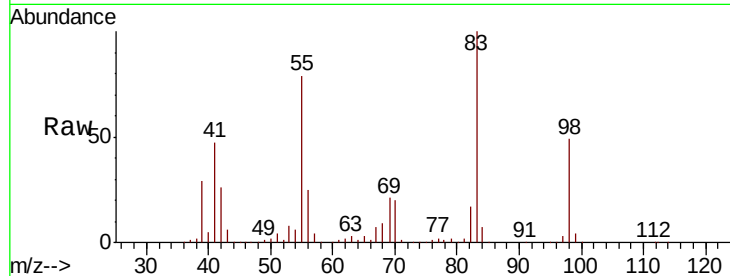




#39
Methylvlcyclohexane
Concen: 43.225 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

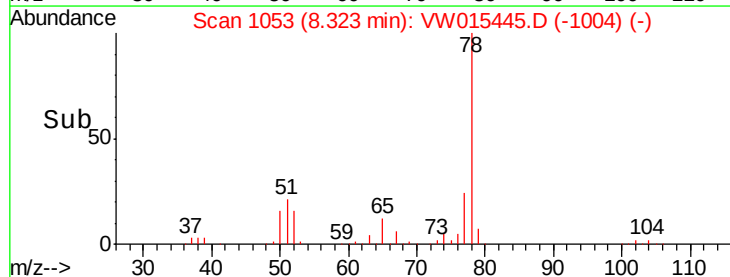
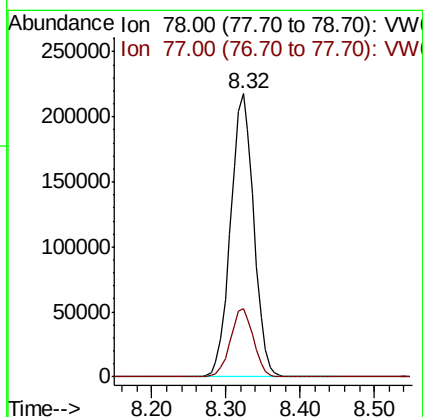
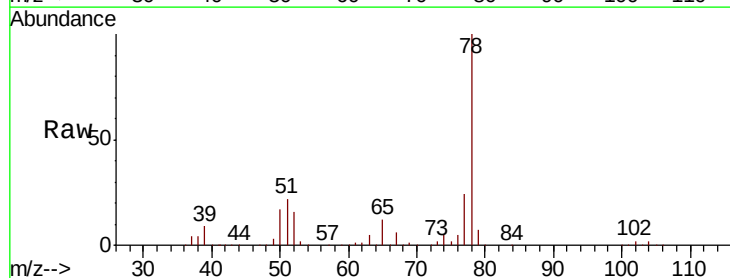
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

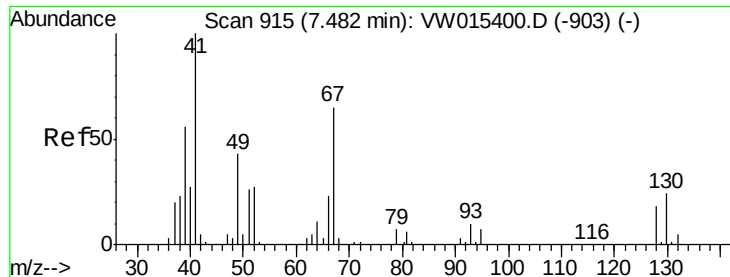
Tot Ion: 83 Resp: 204145
Ion Ratio Lower Upper
83 100
55 78.8 61.9 92.9
98 48.7 38.2 57.2



#40
Benzene
Concen: 46.484 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion: 78 Resp: 473011
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

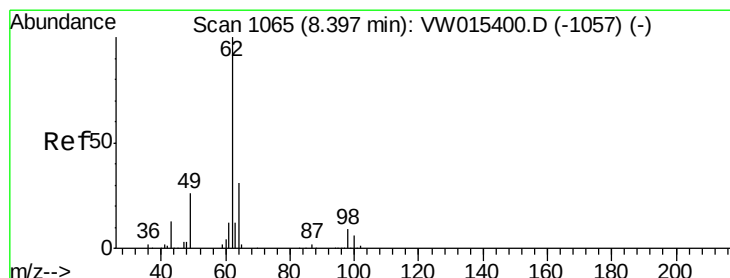
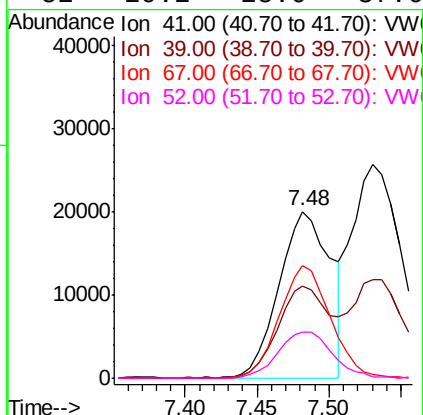
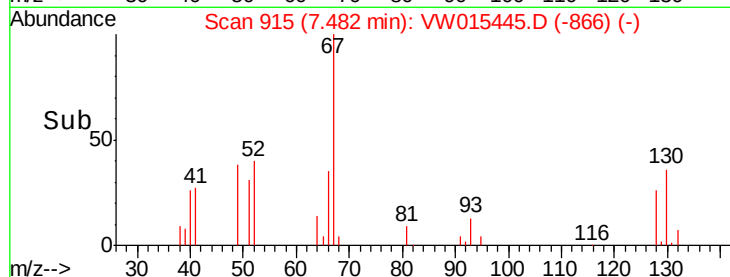
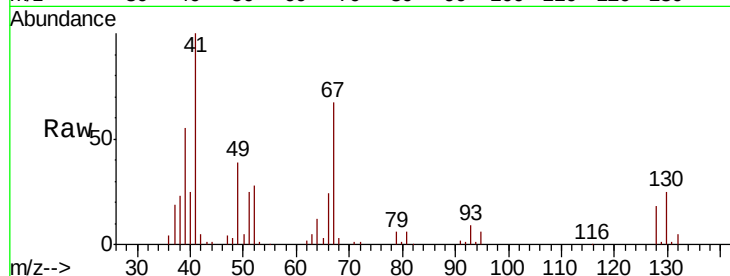




#41
Methacrylonitrile
Concen: 55.119 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

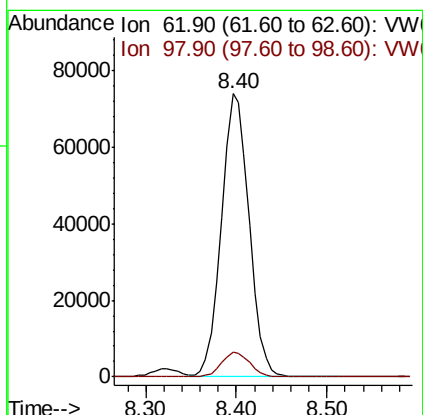
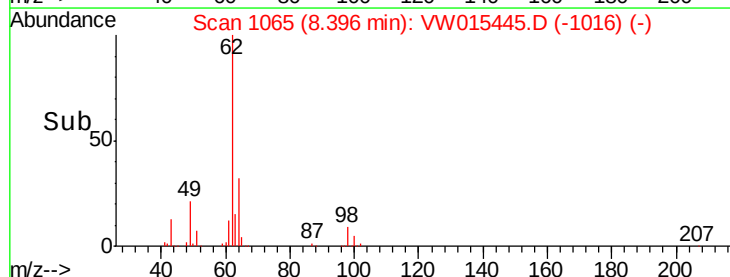
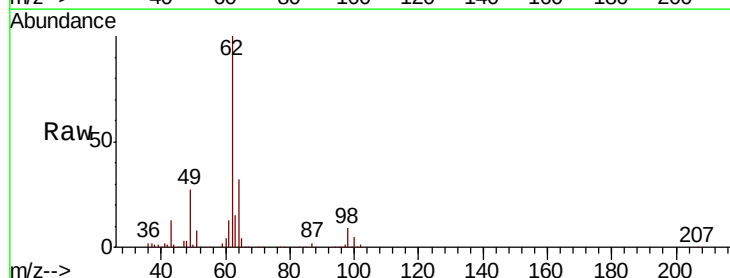
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

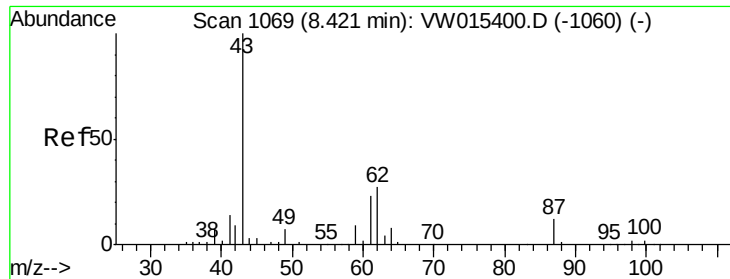
Tot Ion:	41	Resp:	50418
Ion	Ratio	Lower	Upper
41	100		
39	55.8	46.2	69.4
67	66.0	56.2	84.2
52	29.2	25.0	37.6



#42
1,2-Dichloroethane
Concen: 50.634 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion:	62	Resp:	156935
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 54.724 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

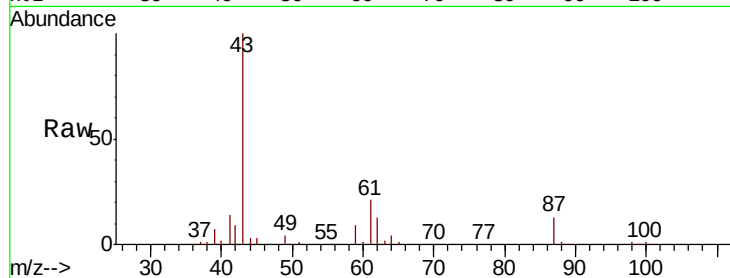
Tot Ion: 43 Resp: 166616

Ion Ratio Lower Upper

43 100

61 29.2 24.3 36.5

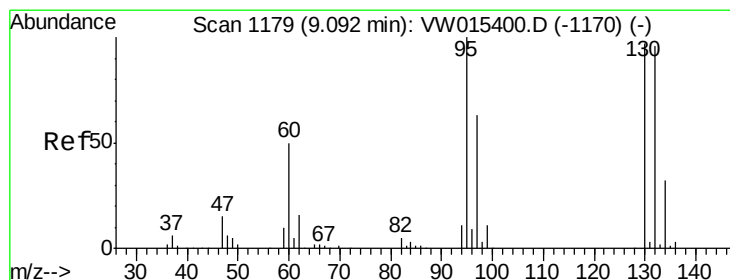
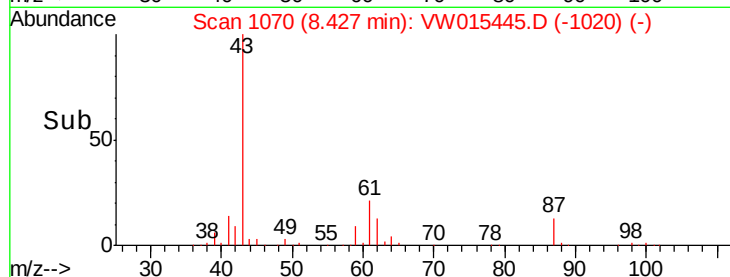
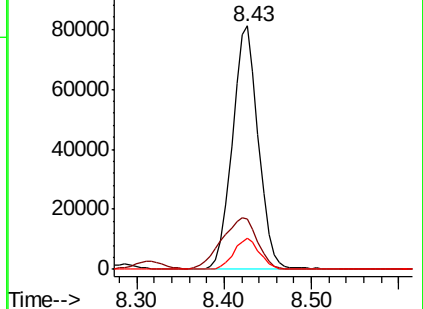
87 12.7 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 46.999 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015445.D

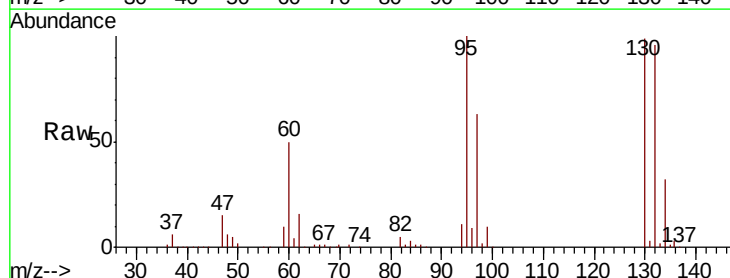
Acq: 15 May 2020 20:11

Tgt Ion:130 Resp: 123956

Ion Ratio Lower Upper

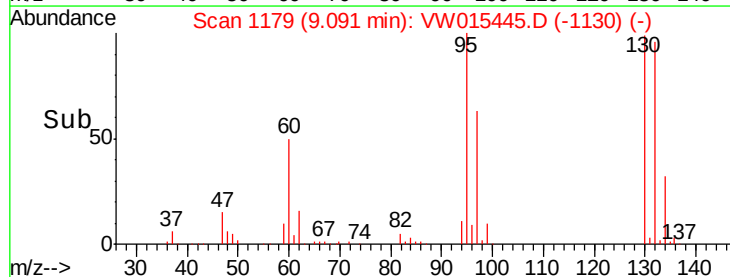
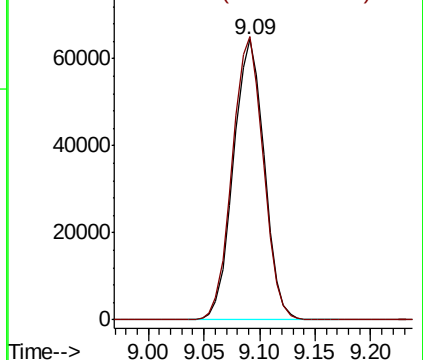
130 100

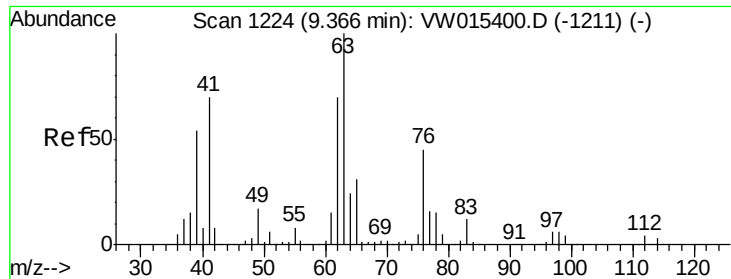
95 100.9 0.0 205.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

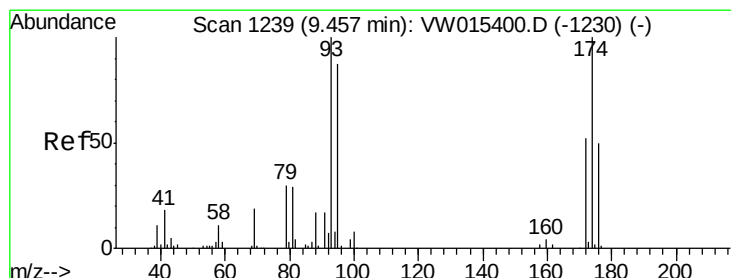
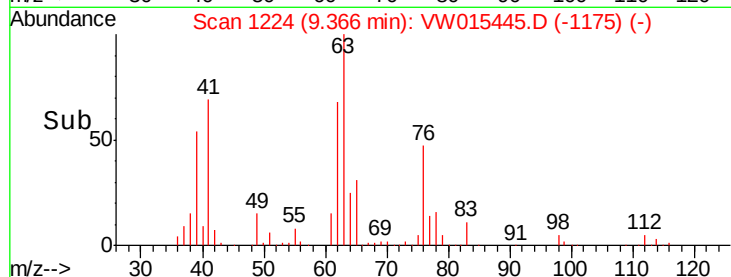
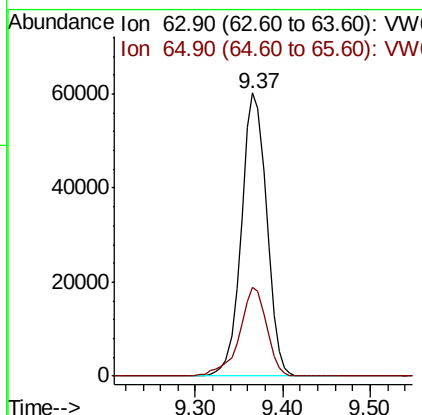
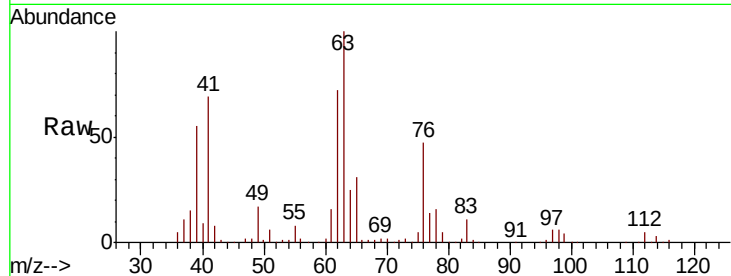




#45
 1,2-Dichloropropane
 Concen: 47.959 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

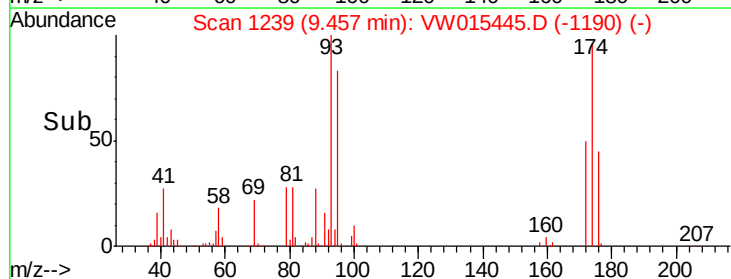
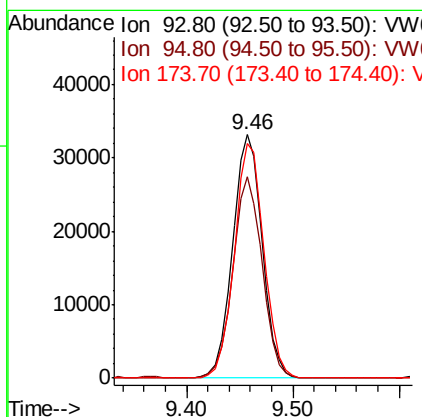
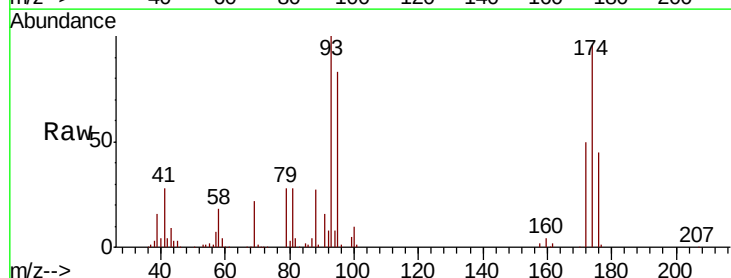
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

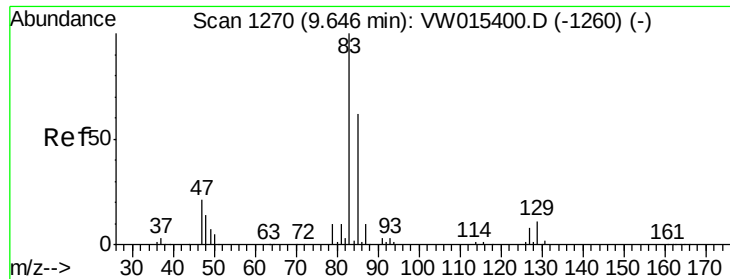
Tot Ion: 63 Resp: 120558
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 51.515 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion: 93 Resp: 64407
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.4
 174 96.7 78.4 117.6

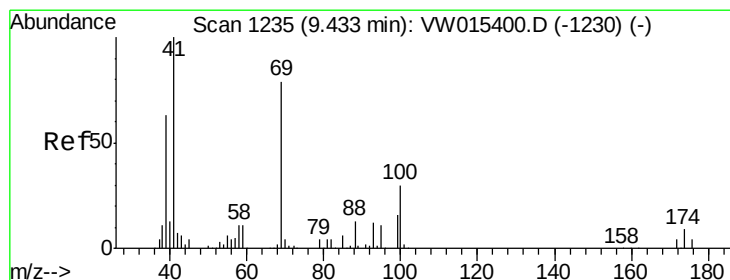
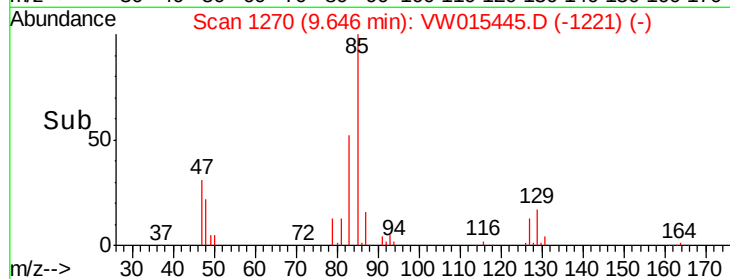
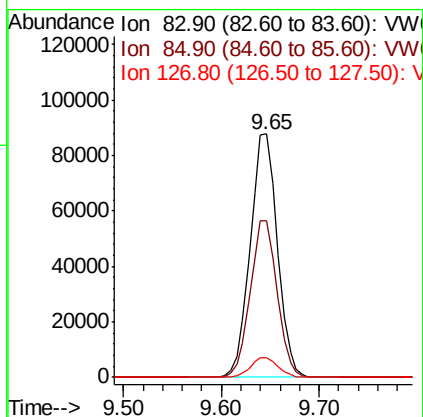
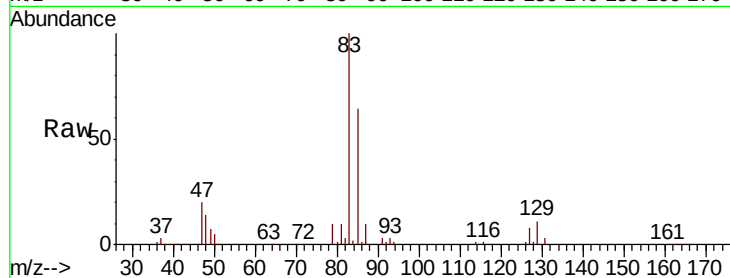




#47
Bromodichloromethane
Concen: 49.699 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

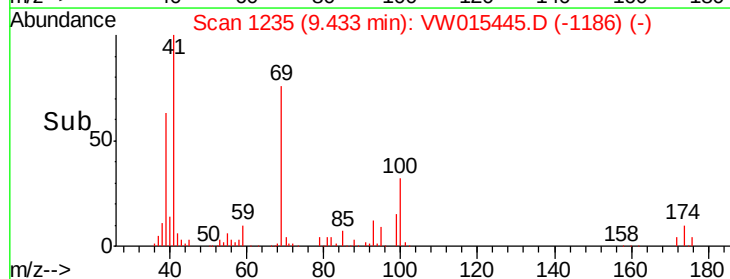
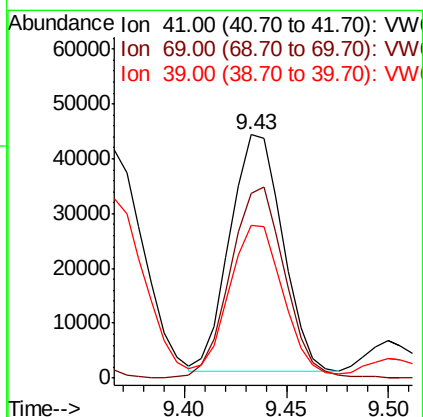
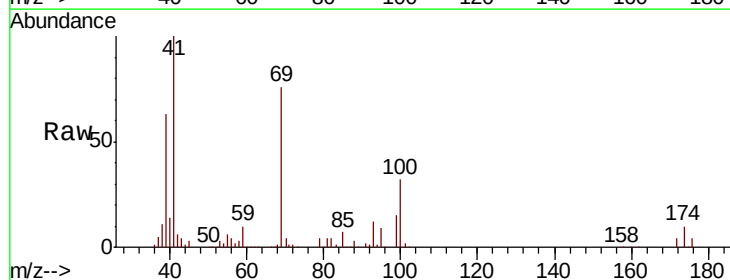
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

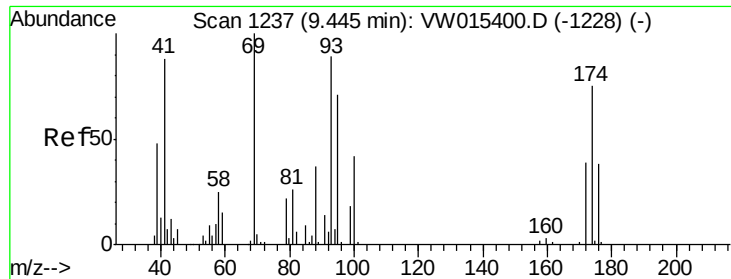
Tot Ion: 83 Resp: 169343
Ion Ratio Lower Upper
83 100
85 64.1 49.4 74.0
127 8.3 6.4 9.6



#48
Methyl methacrylate
Concen: 55.255 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion: 41 Resp: 77710
Ion Ratio Lower Upper
41 100
69 82.9 66.2 99.4
39 66.7 51.1 76.7





#49

1,4-Dioxane

Concen: 1281.163 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

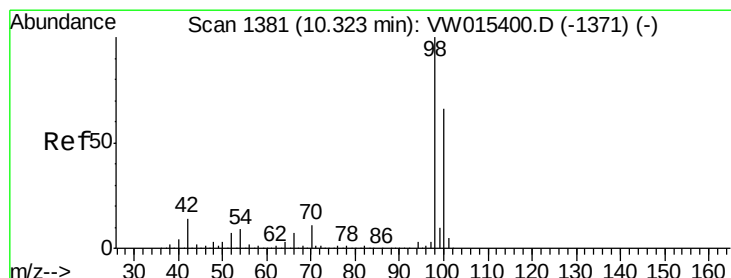
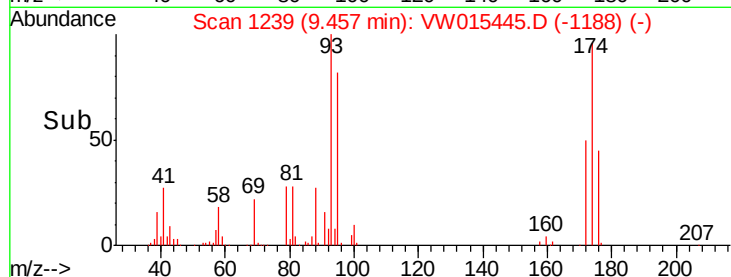
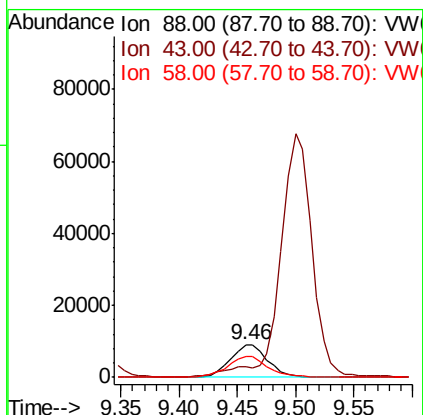
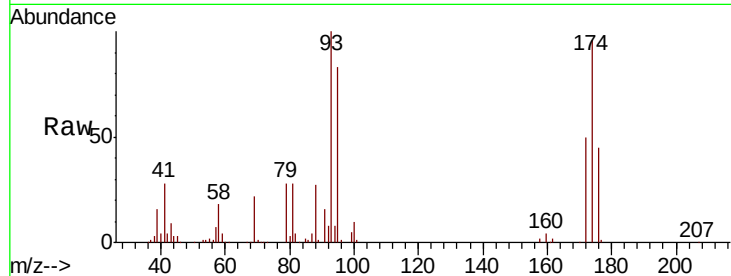
Tot Ion: 88 Resp: 20158

Ion Ratio Lower Upper

88 100

43 0.0 30.6 45.8#

58 70.5 56.3 84.5



#50

Toluene-d8

Concen: 49.285 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015445.D

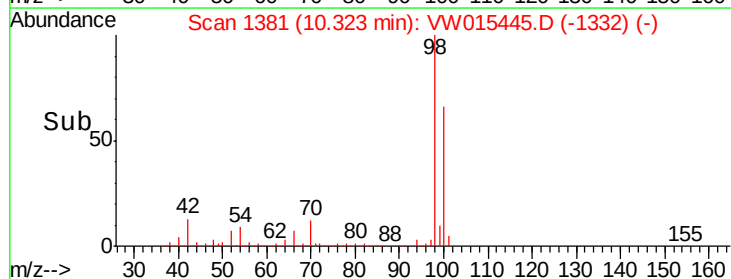
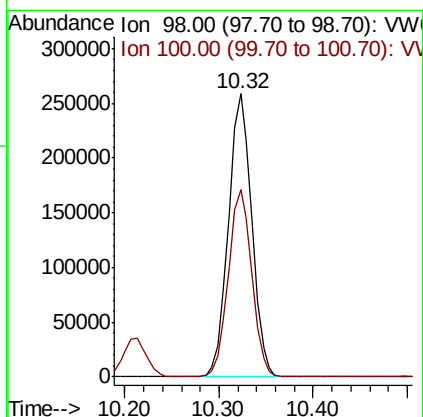
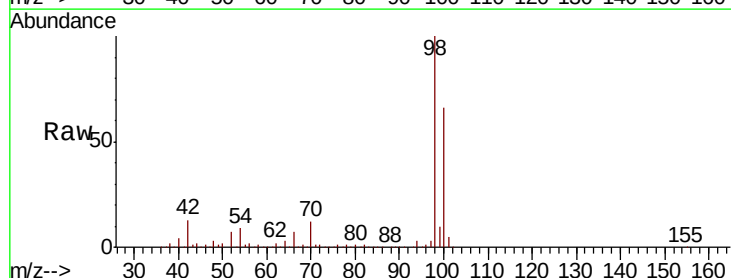
Acq: 15 May 2020 20:11

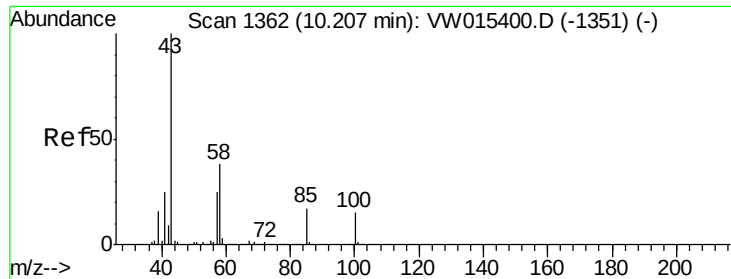
Tgt Ion: 98 Resp: 444561

Ion Ratio Lower Upper

98 100

100 66.3 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 280.442 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

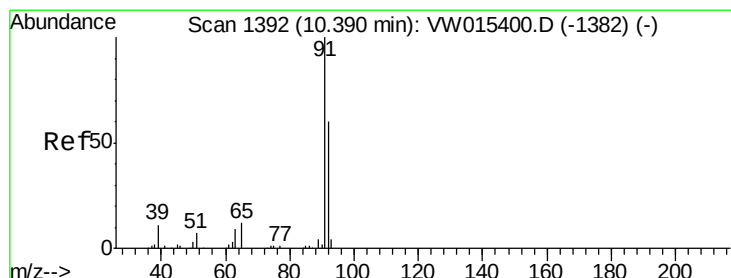
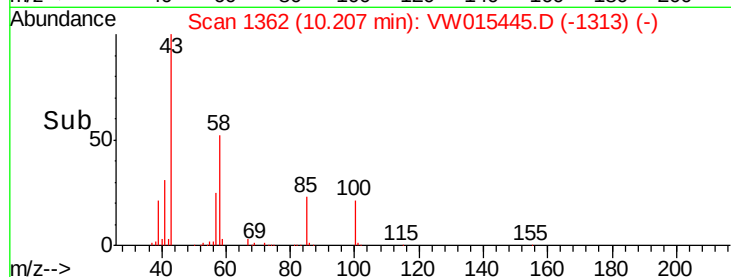
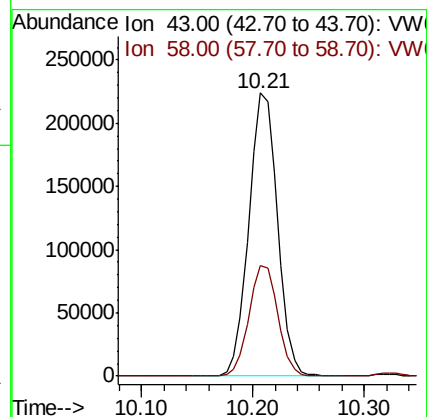
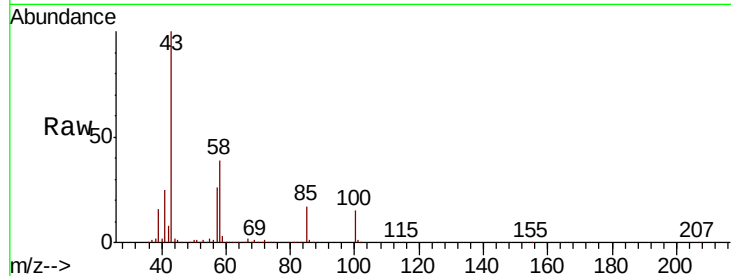
VSTDCCC050EC

Tot Ion: 43 Resp: 400159

Ion Ratio Lower Upper

43 100

58 39.3 30.8 46.2



#52

Toluene

Concen: 46.513 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015445.D

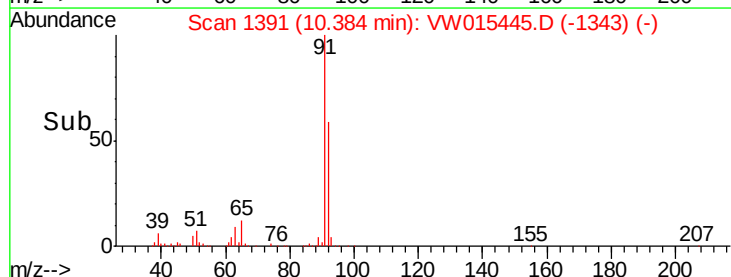
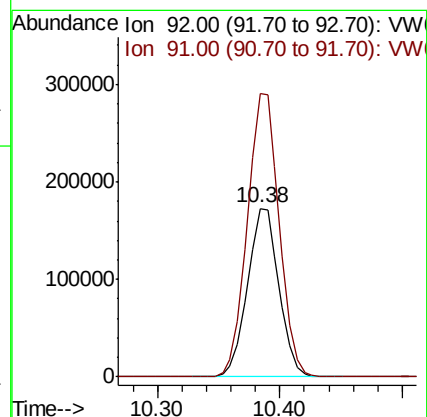
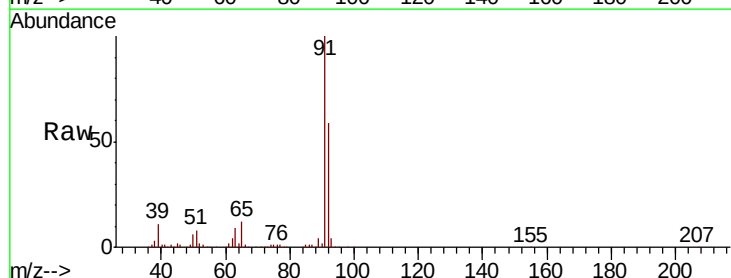
Acq: 15 May 2020 20:11

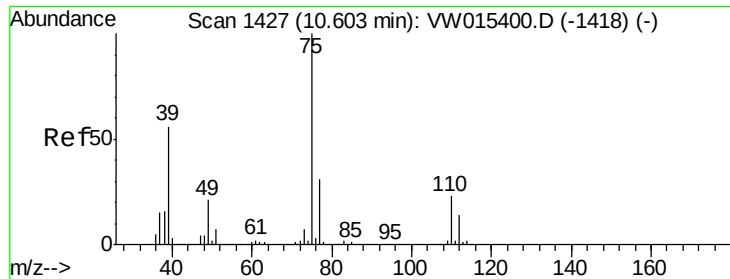
Tgt Ion: 92 Resp: 307577

Ion Ratio Lower Upper

92 100

91 170.5 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 50.246 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

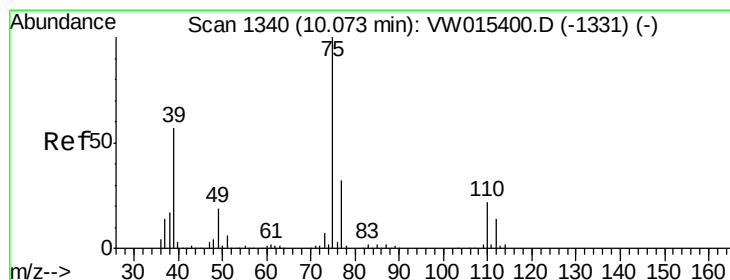
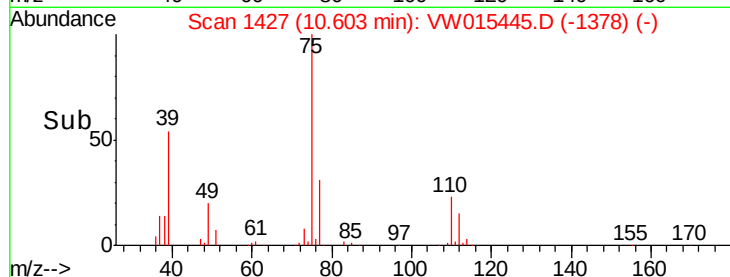
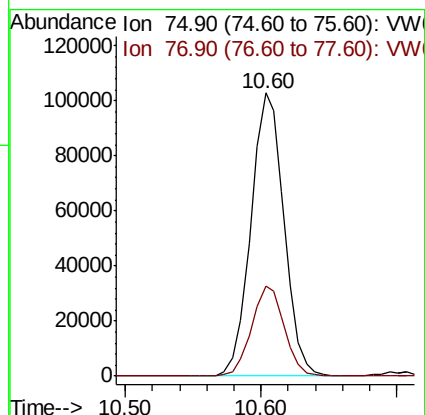
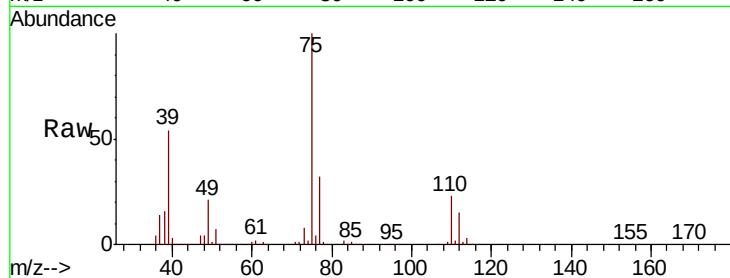
VSTDCCC050EC

Tot Ion: 75 Resp: 174754

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 48.802 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

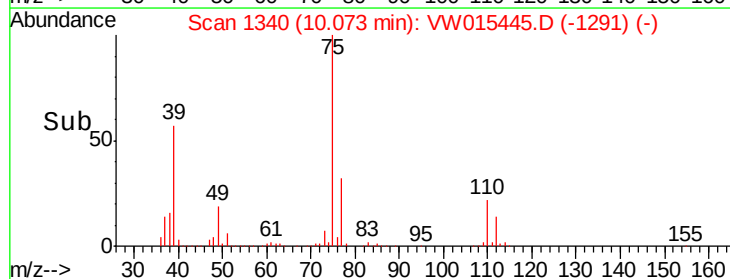
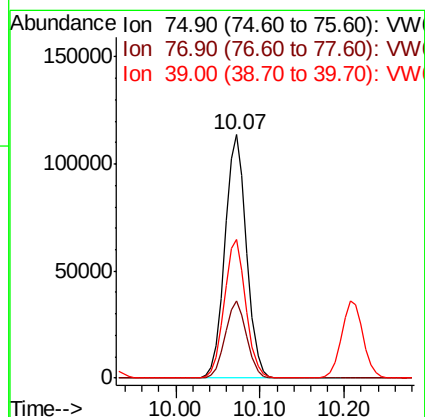
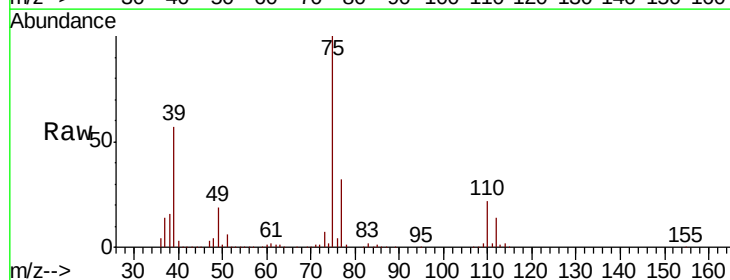
Tgt Ion: 75 Resp: 199852

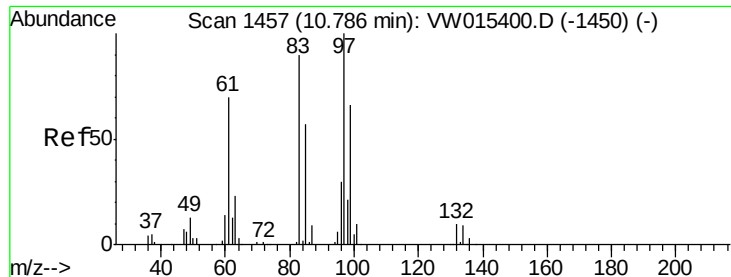
Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 56.9 45.6 68.4

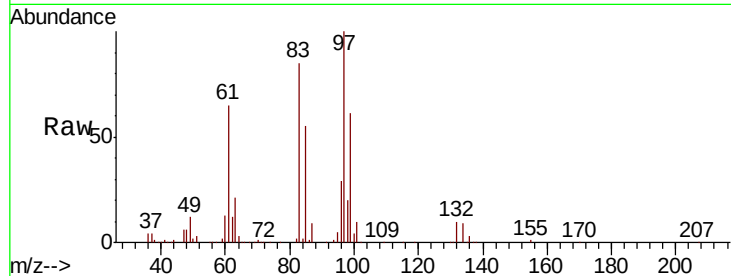




#55
 1,1,2-Trichloroethane
 Concen: 51.364 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

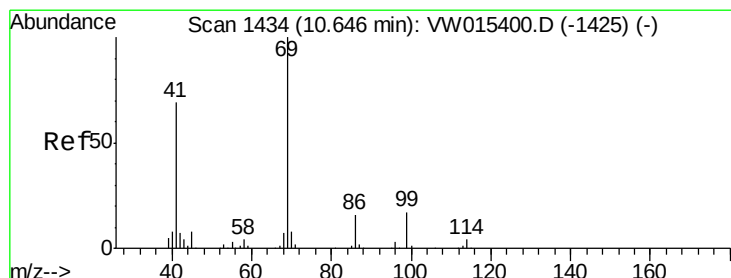
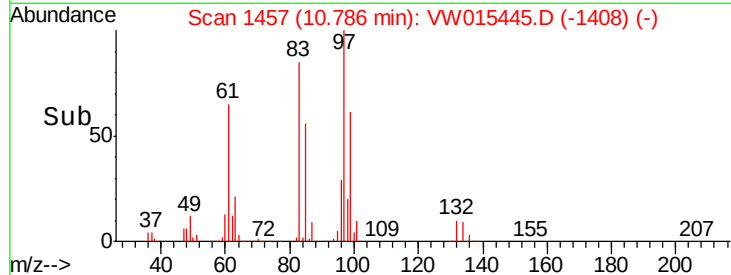
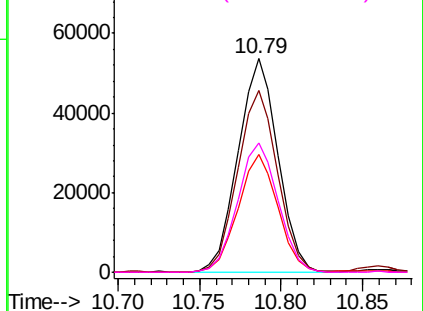
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	90811
Ion	Ratio	Lower	Upper
97	100		
83	85.0	72.2	108.4
85	55.4	45.2	67.8
99	60.9	52.6	78.8



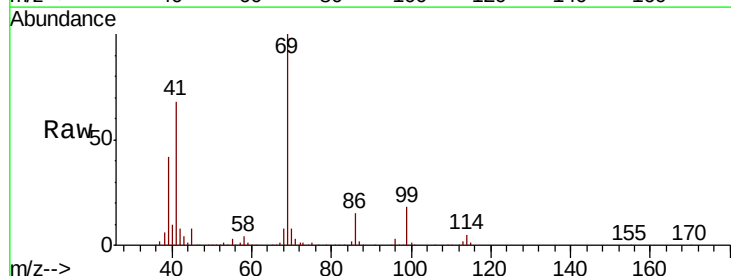
Abundance

Ion 96.90 (96.60 to 97.60): VW



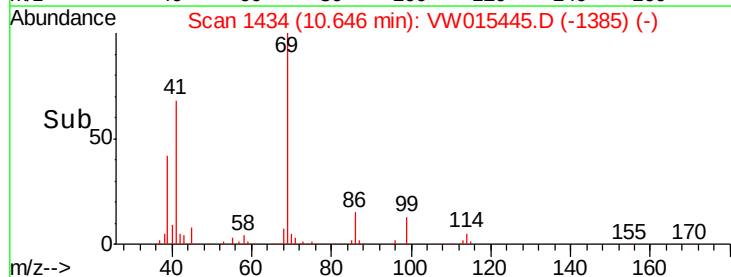
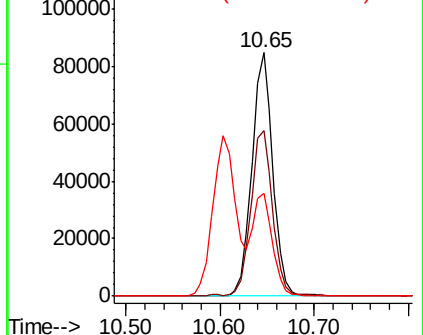
#56
 Ethyl methacrylate
 Concen: 54.505 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

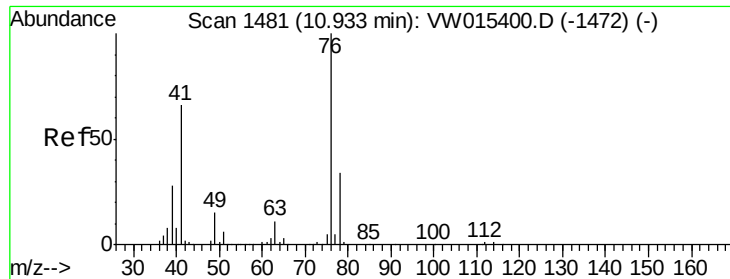
Tgt Ion:	69	Resp:	132403
Ion	Ratio	Lower	Upper
69	100		
41	70.8	55.3	82.9
39	39.5	31.9	47.9



Abundance

Ion 69.00 (68.70 to 69.70): VW

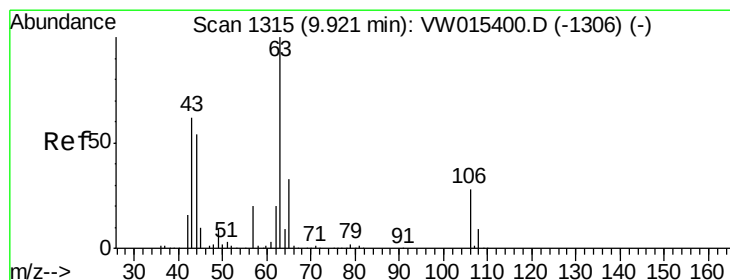
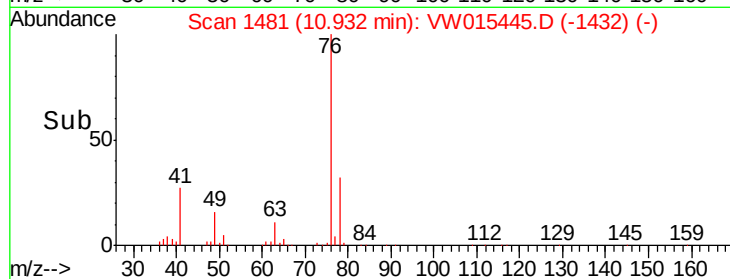
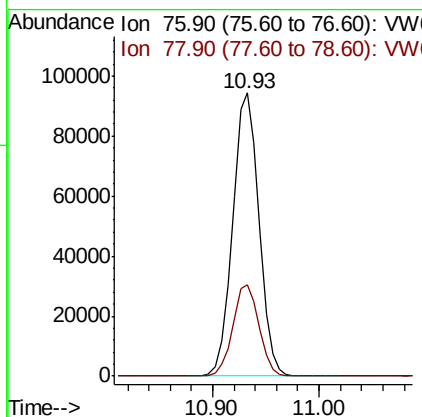
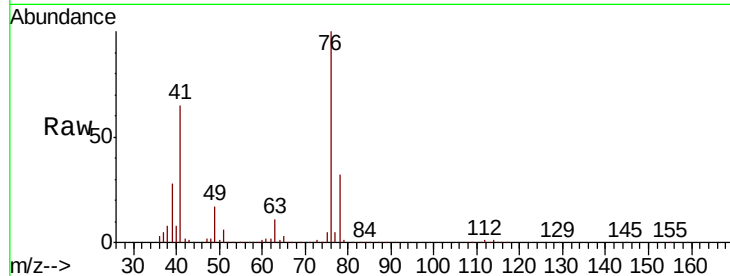




#57
 1,3-Dichloropropane
 Concen: 51.293 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

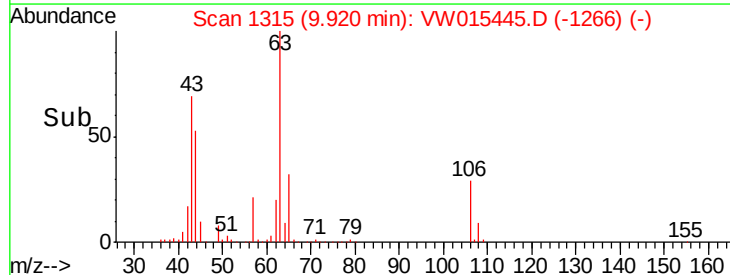
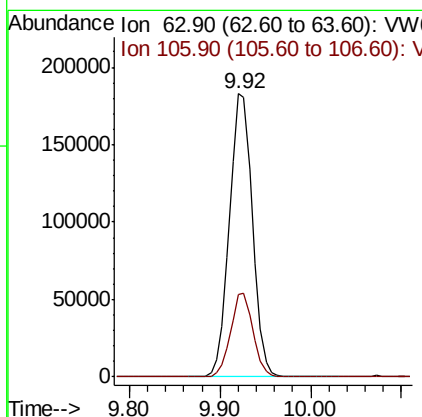
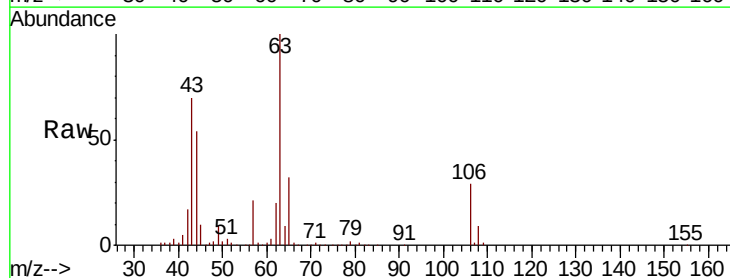
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

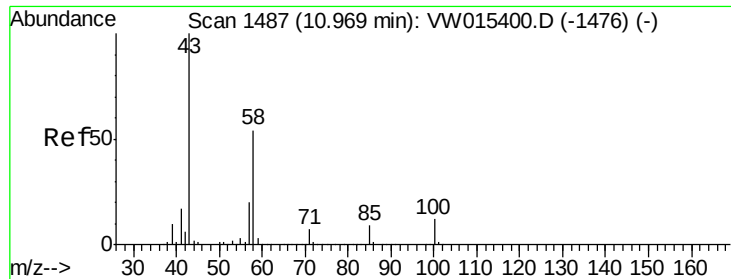
Tot Ion: 76 Resp: 163048
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.655 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion: 63 Resp: 322224
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.6 33.8

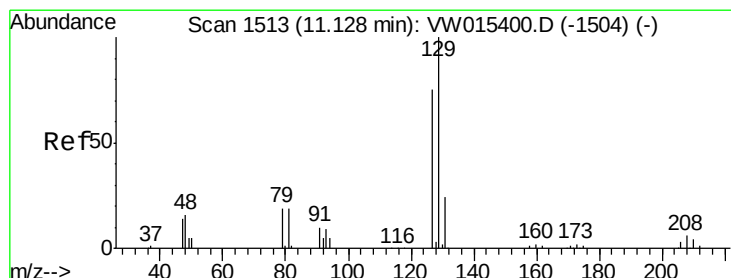
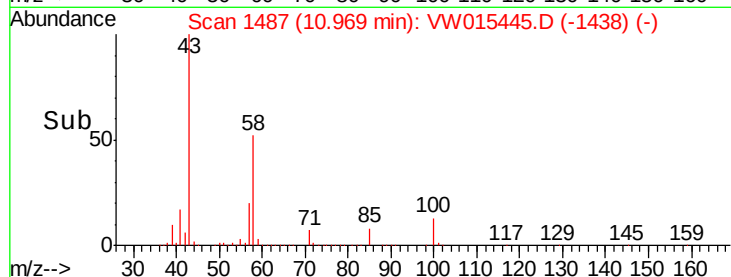
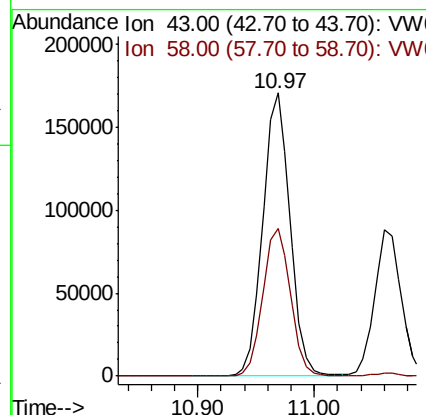
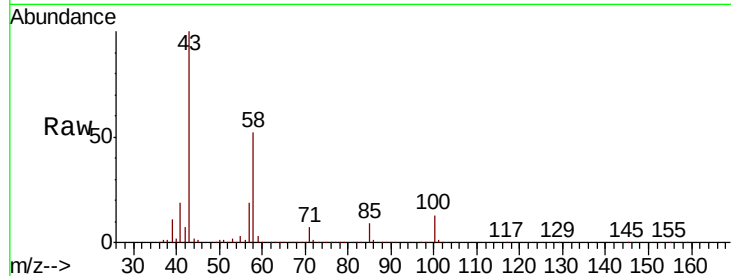




#59
2-Hexanone
Concen: 287.759 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

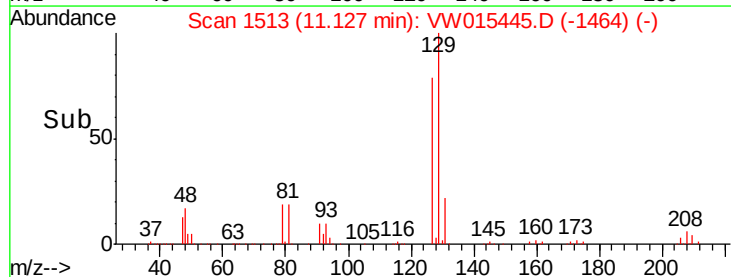
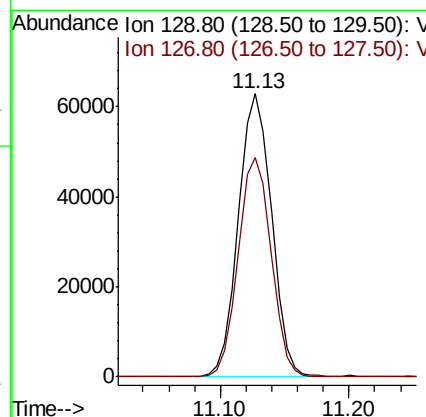
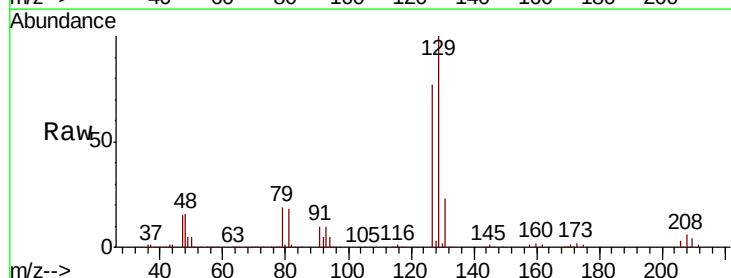
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

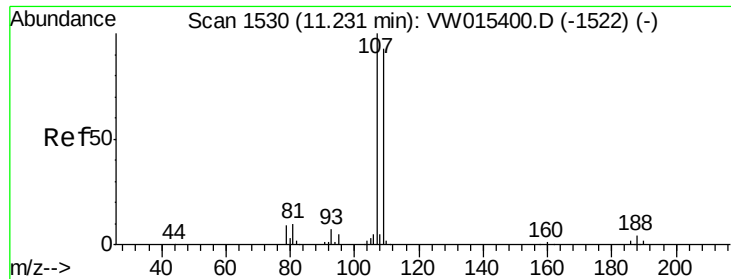
Tot Ion: 43 Resp: 277824
Ion Ratio Lower Upper
43 100
58 53.2 26.7 80.0



#60
Dibromochloromethane
Concen: 52.656 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion:129 Resp: 111965
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2

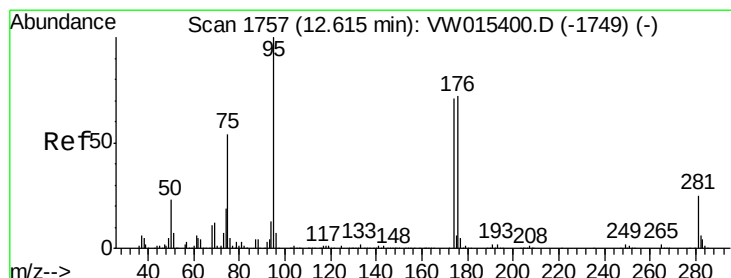
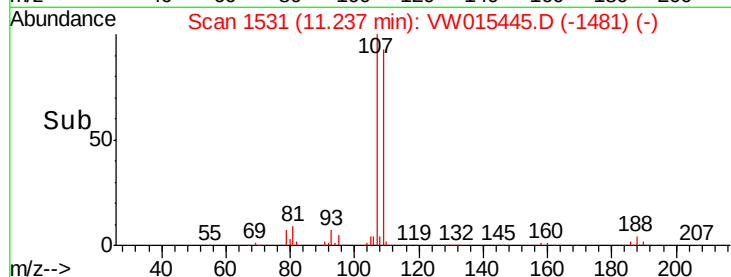
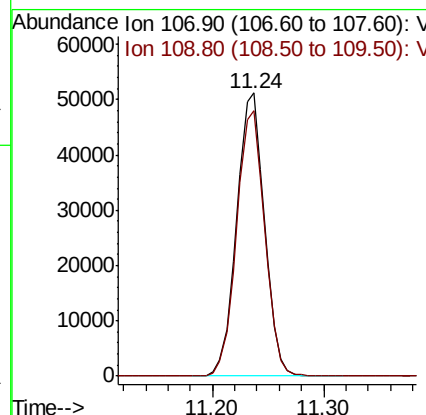
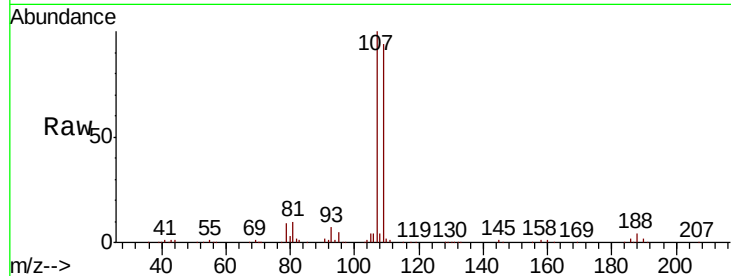




#61
 1,2-Dibromoethane
 Concen: 52.835 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

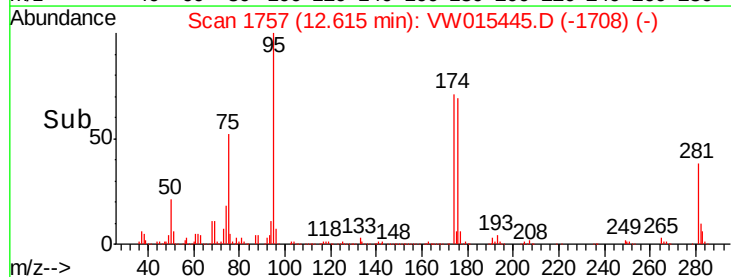
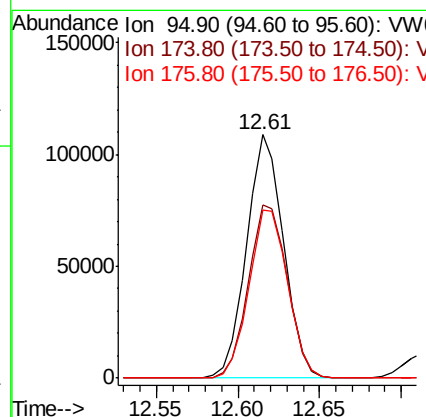
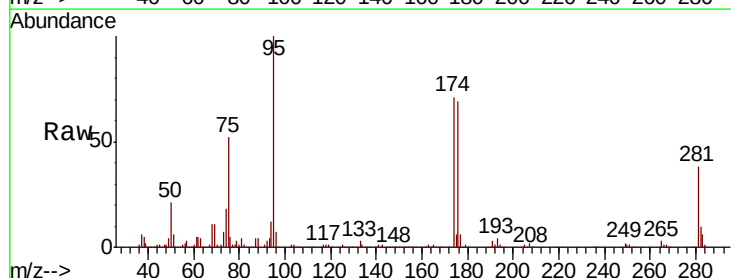
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

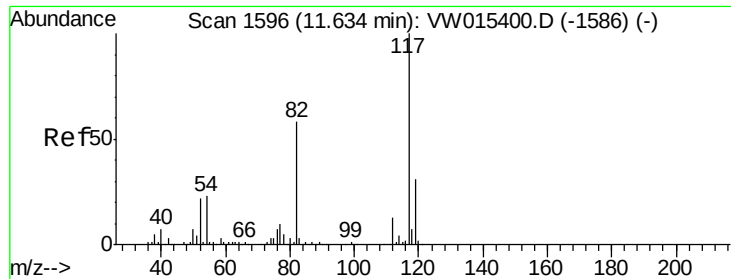
Tot Ion: 107 Resp: 88448
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.390 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion: 95 Resp: 171167
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 147.6
 176 72.6 0.0 144.4

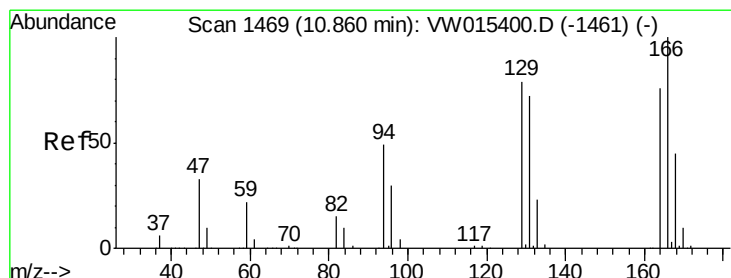
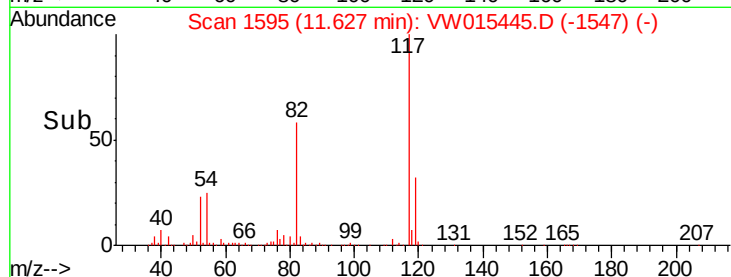
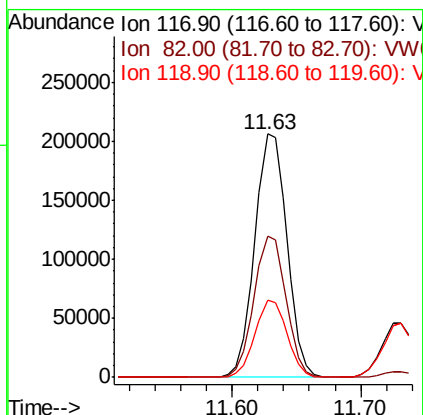
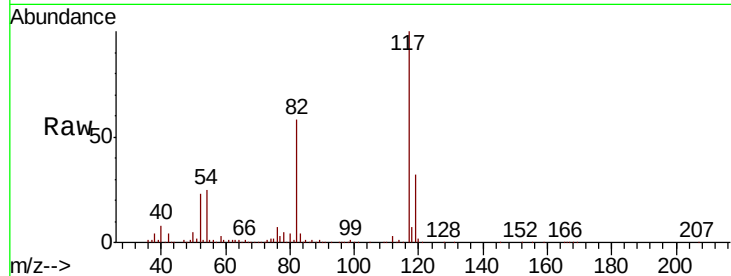




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

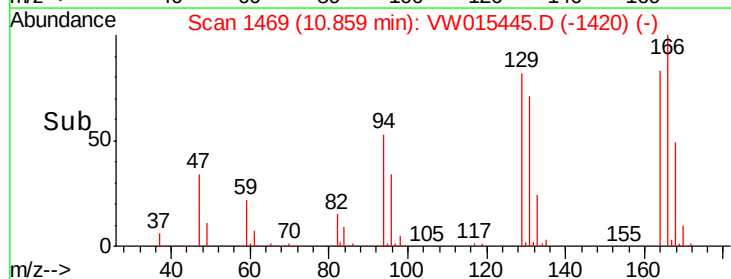
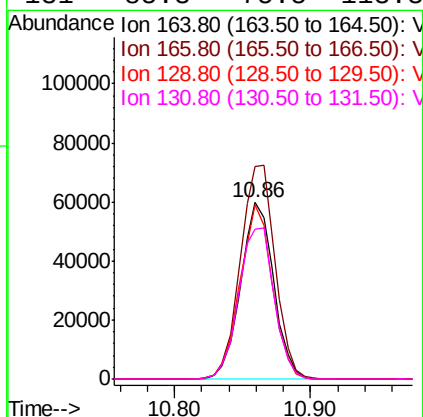
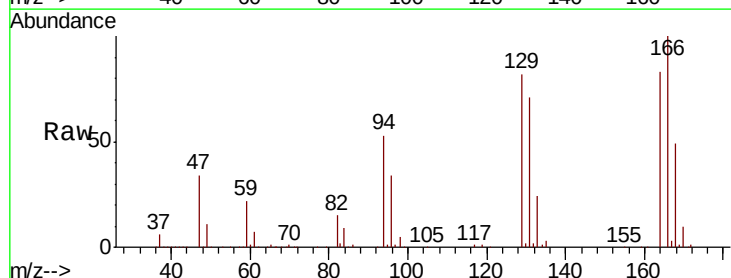
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

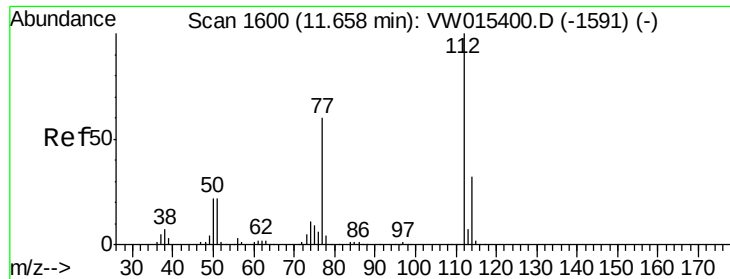
Tot Ion:117 Resp: 355652
Ion Ratio Lower Upper
117 100
82 57.9 46.4 69.6
119 31.7 24.6 37.0



#64
Tetrachloroethene
Concen: 46.426 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion:164 Resp: 100923
Ion Ratio Lower Upper
164 100
166 120.3 104.9 157.3
129 98.6 82.7 124.1
131 85.3 75.5 113.3

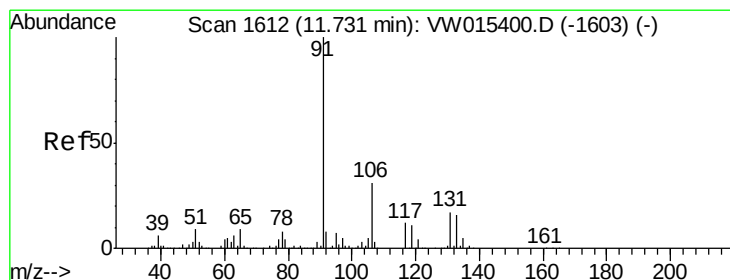
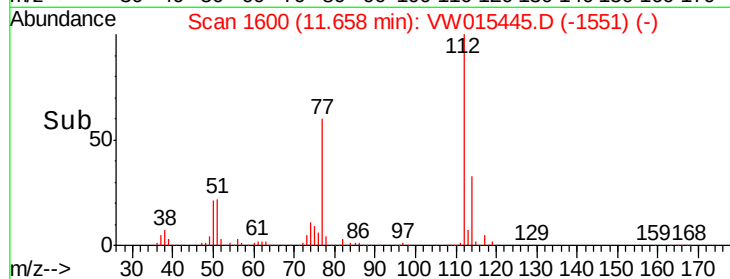
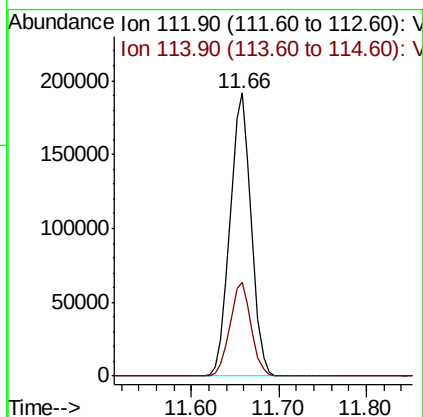
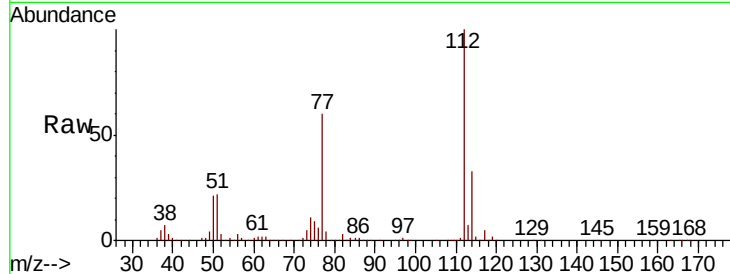




#65
Chlorobenzene
Concen: 46.047 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

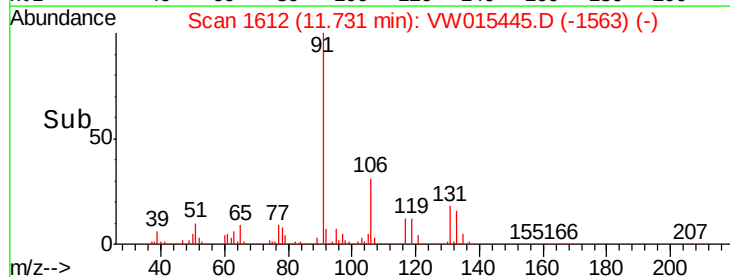
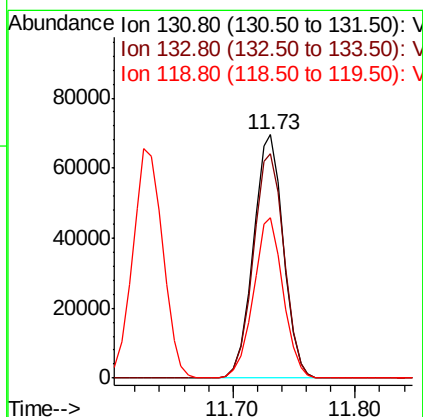
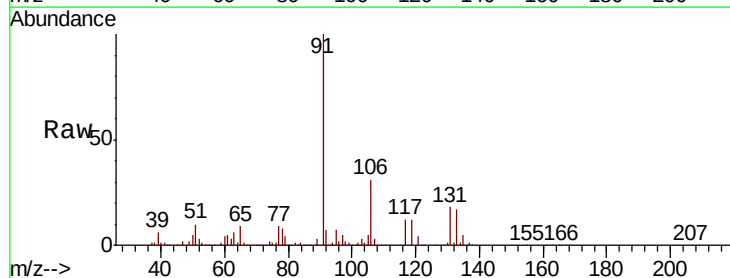
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

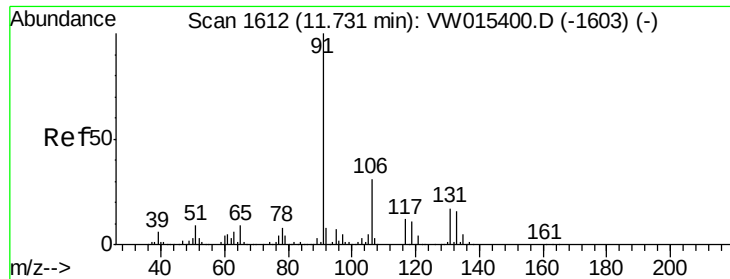
Tot Ion:112 Resp: 322896
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.790 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion:131 Resp: 118815
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.8
119 65.2 33.0 99.0

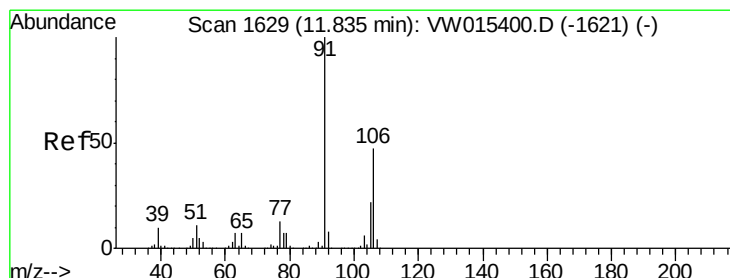
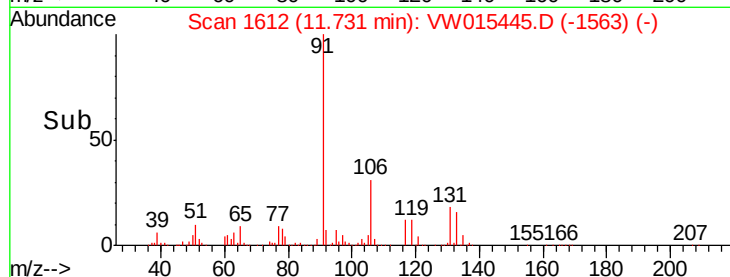
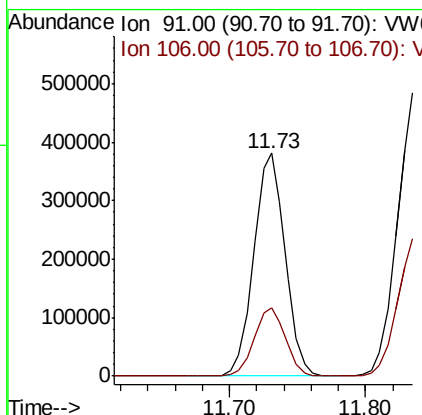
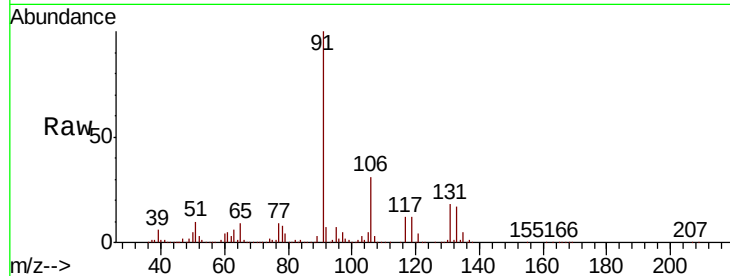




#67
Ethyl Benzene
Concen: 45.557 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

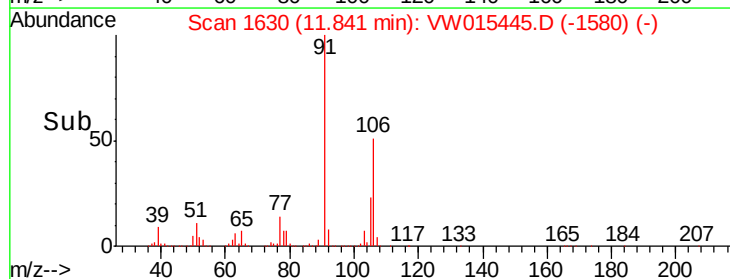
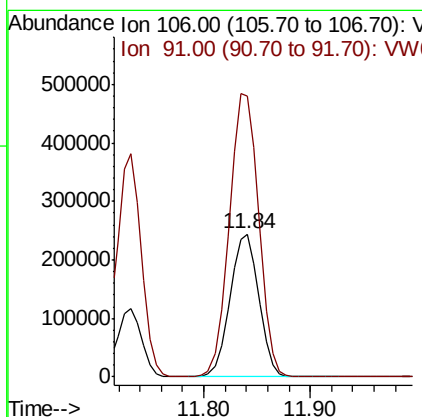
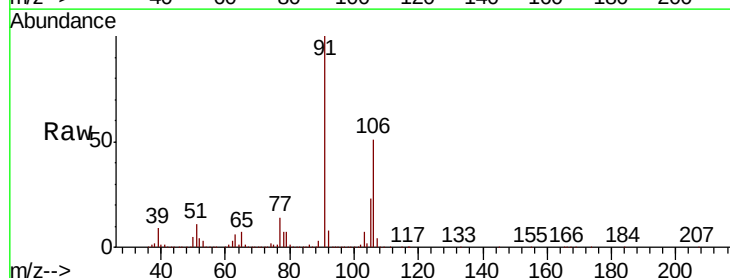
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

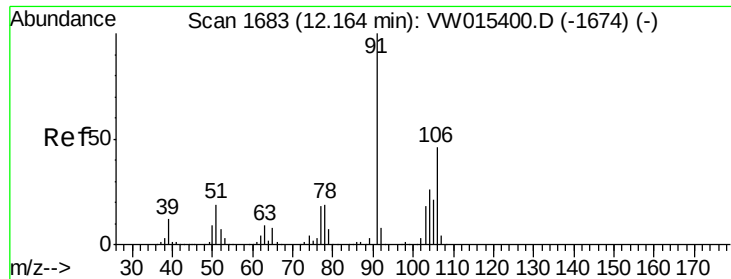
Tot Ion: 91 Resp: 611462
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8



#68
m/p-Xylenes
Concen: 92.285 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion: 106 Resp: 460520
Ion Ratio Lower Upper
106 100
91 203.3 165.7 248.5

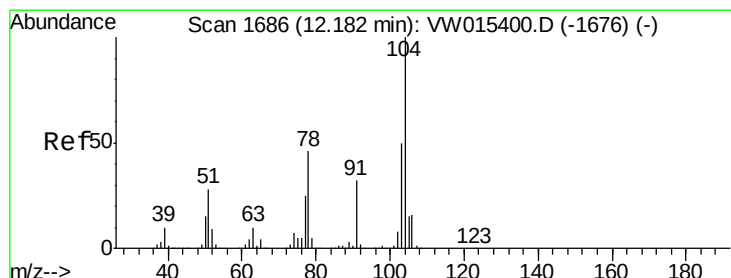
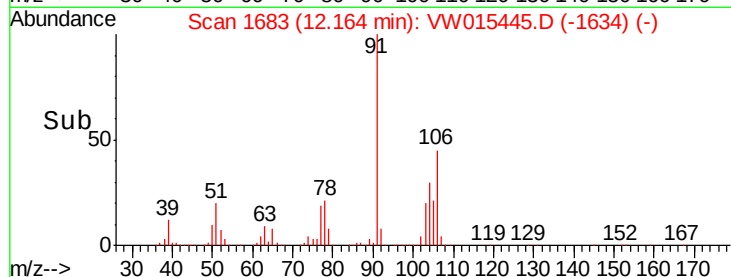
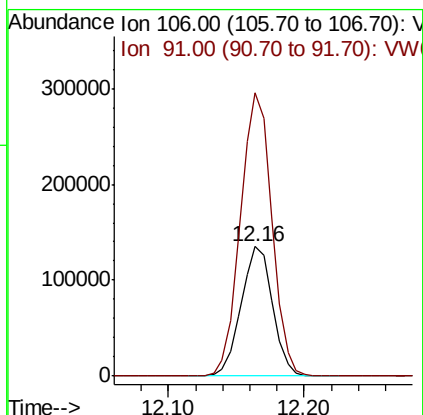
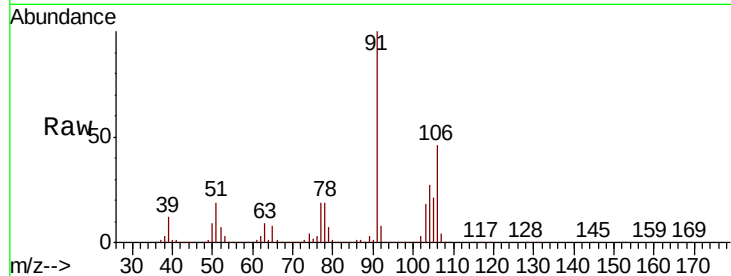




#69
o-Xylene
Concen: 46.610 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

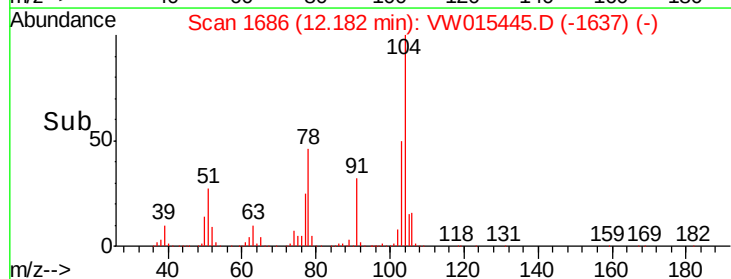
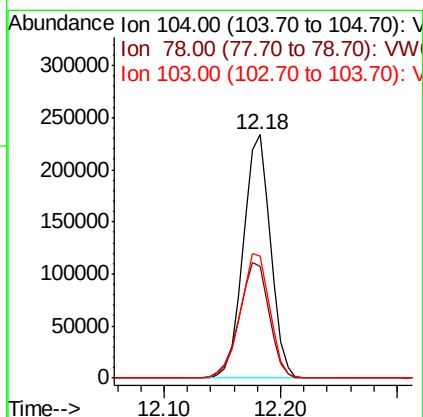
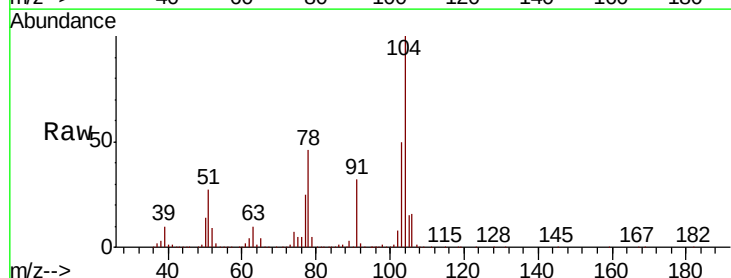
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

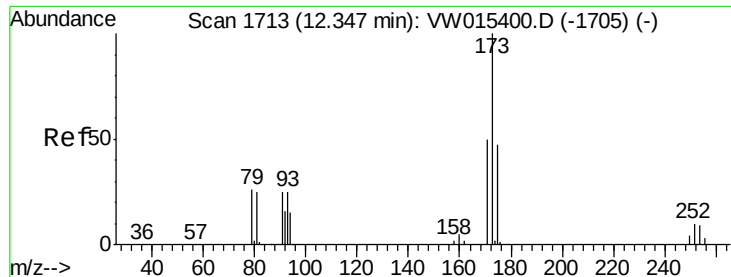
Tot Ion:106 Resp: 218568
Ion Ratio Lower Upper
106 100
91 218.3 109.0 327.0



#70
Styrene
Concen: 47.242 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion:104 Resp: 381535
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 55.4 43.6 65.4





#71

Bromoform

Concen: 53.142 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

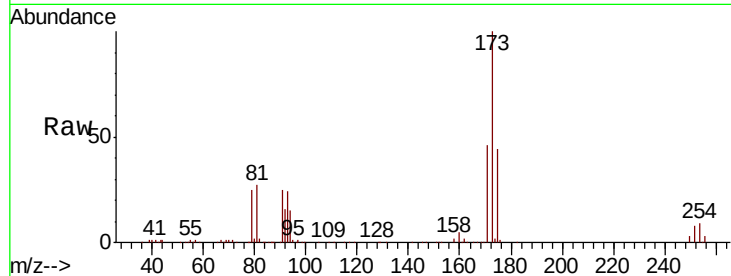
Tot Ion:173 Resp: 64433

Ion Ratio Lower Upper

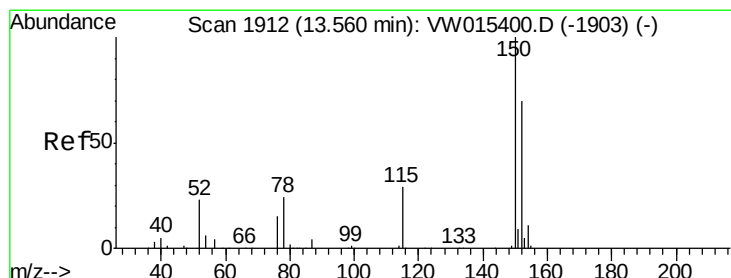
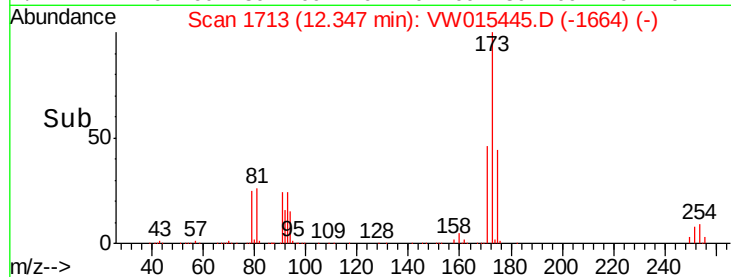
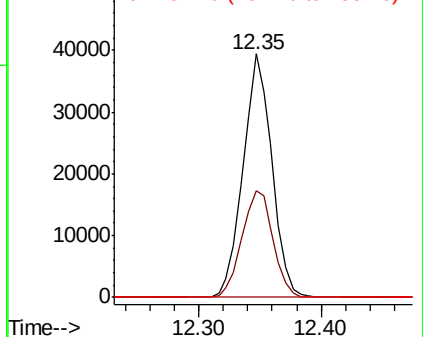
173 100

175 47.0 23.8 71.4

254 0.1 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: VW015445.D

Acq: 15 May 2020 20:11

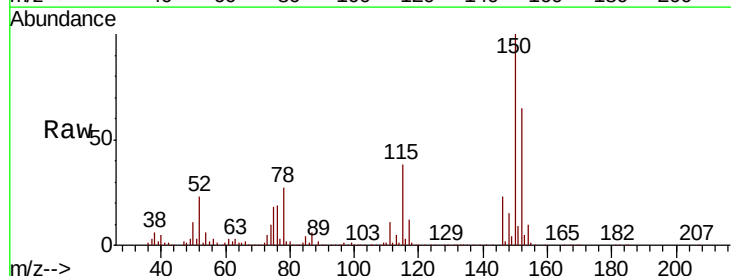
Tgt Ion:152 Resp: 180099

Ion Ratio Lower Upper

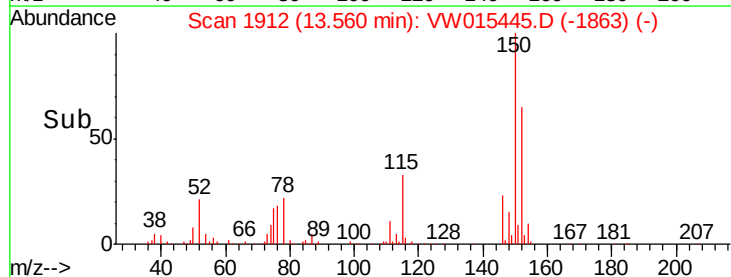
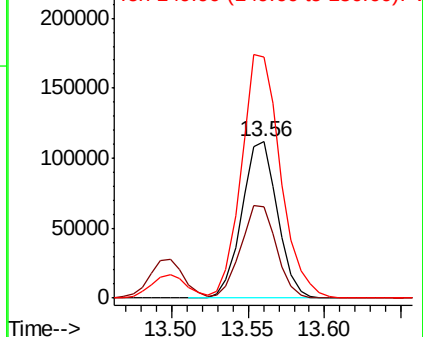
152 100

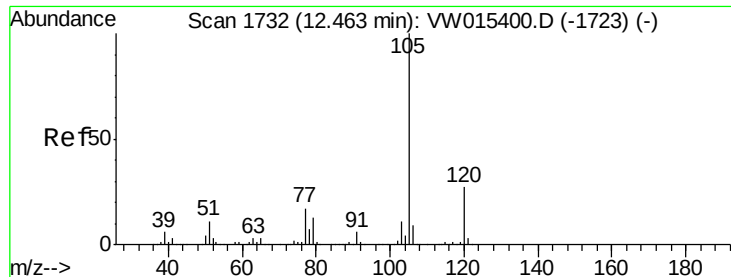
115 59.4 30.3 90.8

150 170.9 0.0 344.4



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





#73

Isopropylbenzene

Concen: 44.798 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

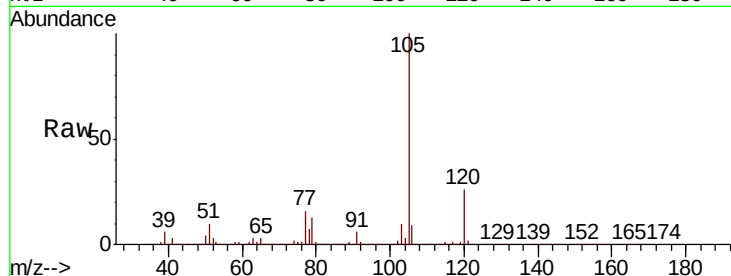
VSTDCCC050EC

Tot Ion:105 Resp: 602332

Ion Ratio Lower Upper

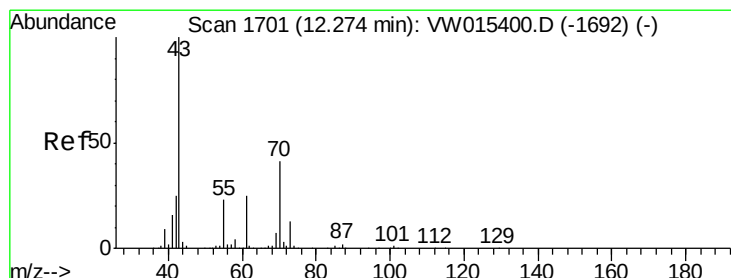
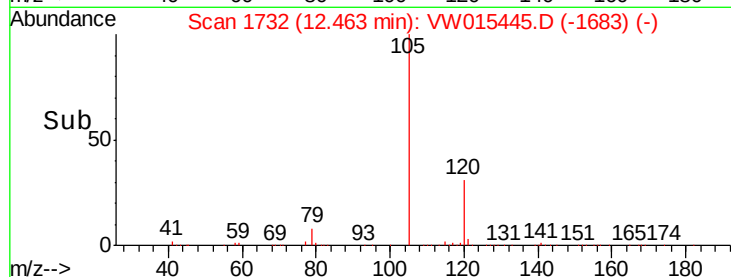
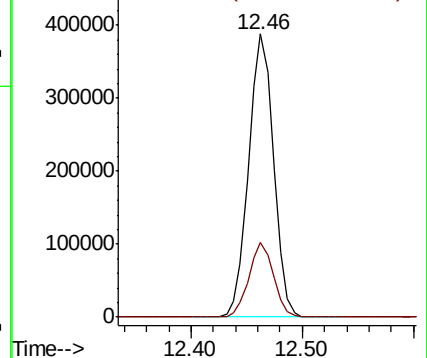
105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.261 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Tgt Ion: 43 Resp: 162922

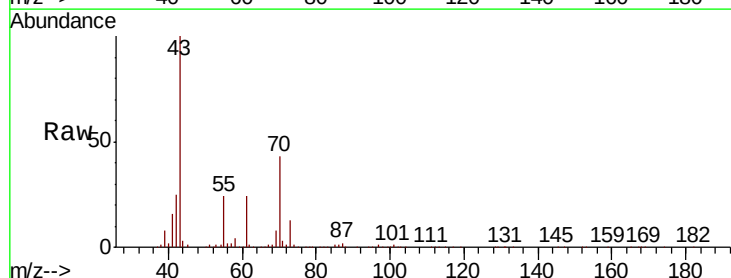
Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.0

55 23.5 18.9 28.3

61 23.7 19.4 29.0

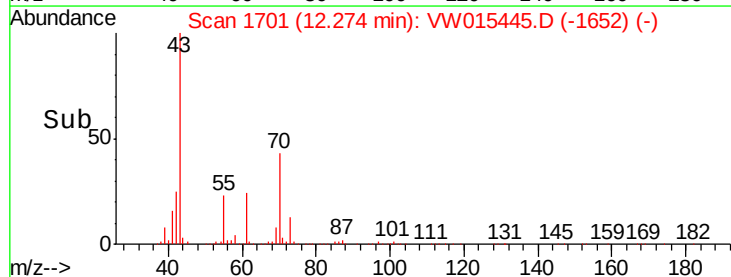
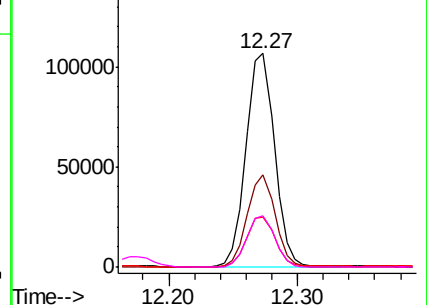


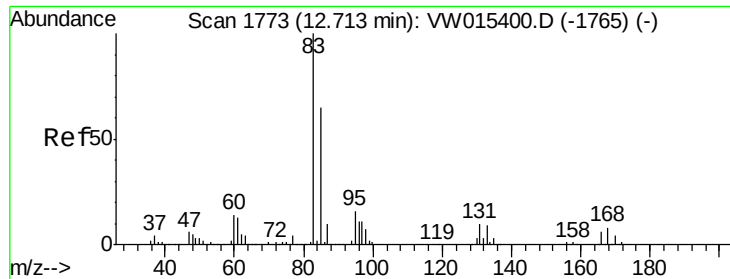
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 51.564 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

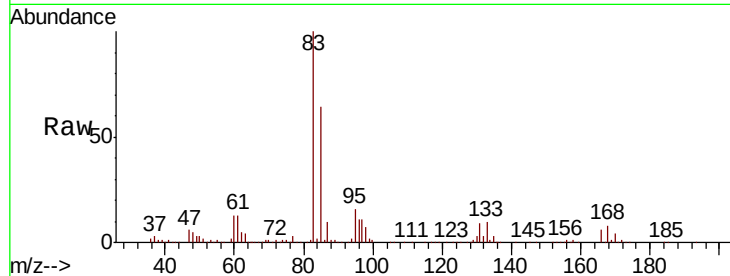
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 108459

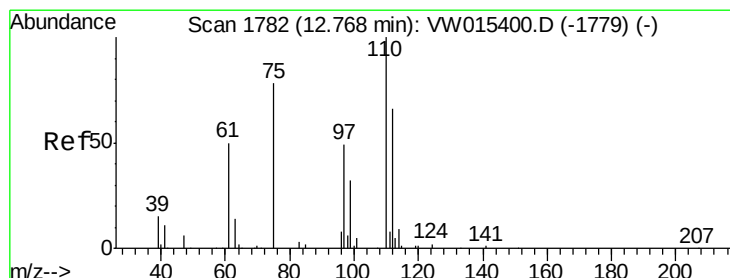
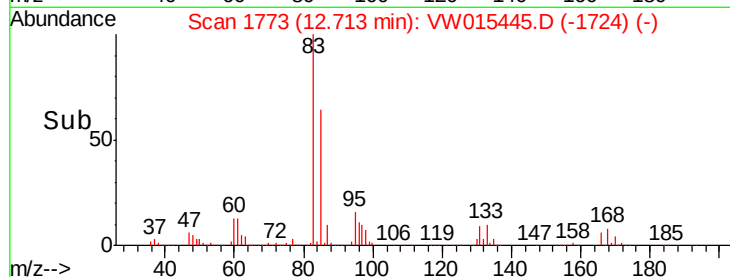
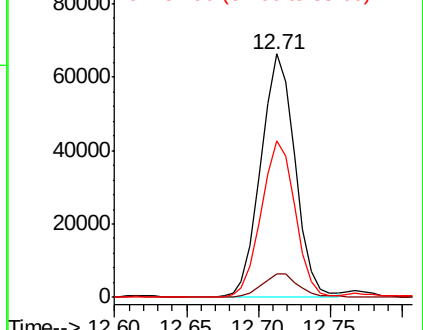
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.2
85	64.3	32.2	96.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 48.613 ug/l m

RT: 12.77 min Scan# 1782

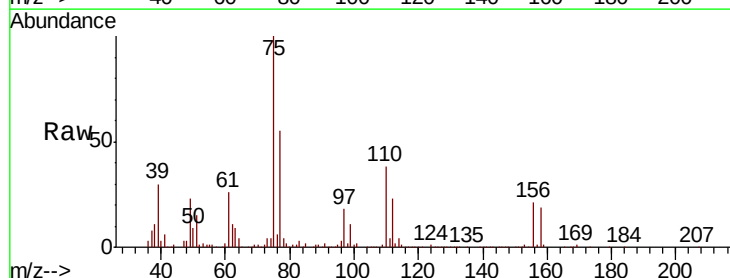
Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

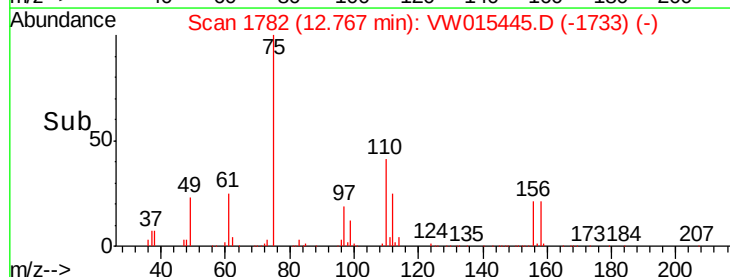
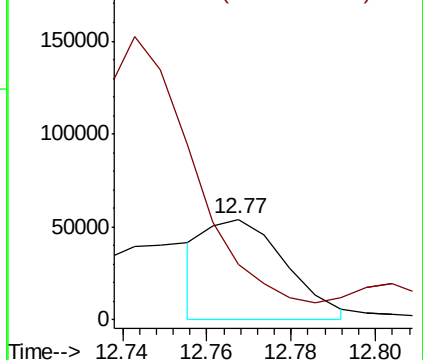
Tgt Ion: 75 Resp: 72024

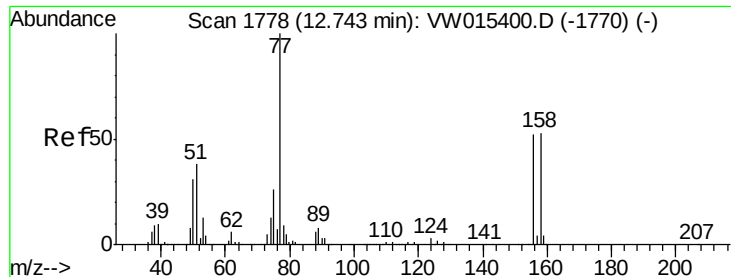
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 46.903 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

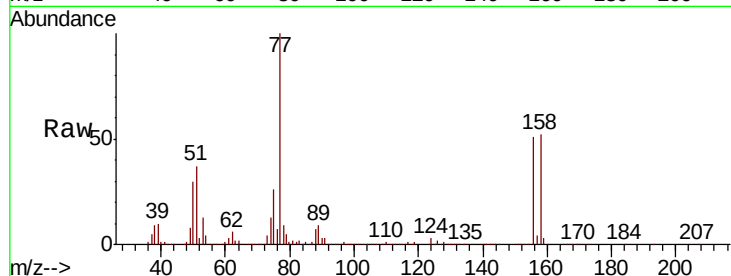
Tot Ion:156 Resp: 133645

Ion Ratio Lower Upper

156 100

77 203.7 101.8 305.6

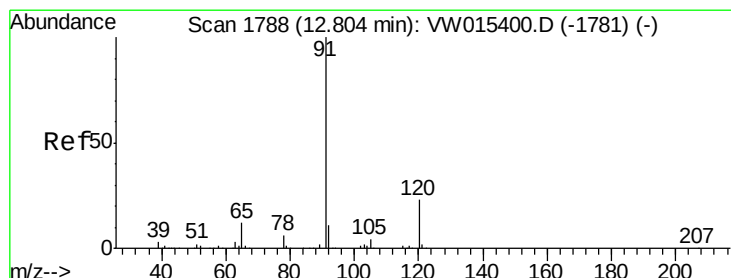
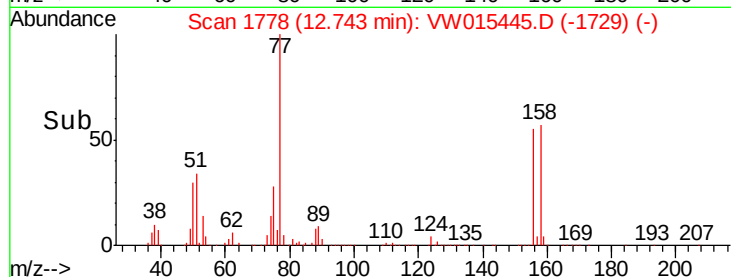
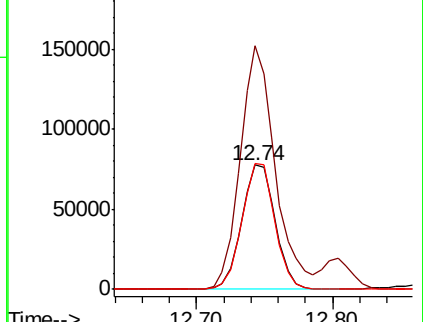
158 98.9 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.879 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015445.D

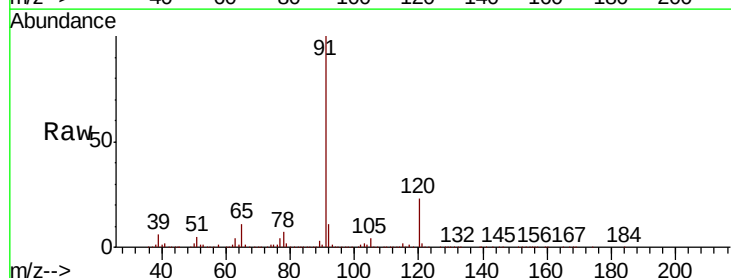
Acq: 15 May 2020 20:11

Tgt Ion: 91 Resp: 707844

Ion Ratio Lower Upper

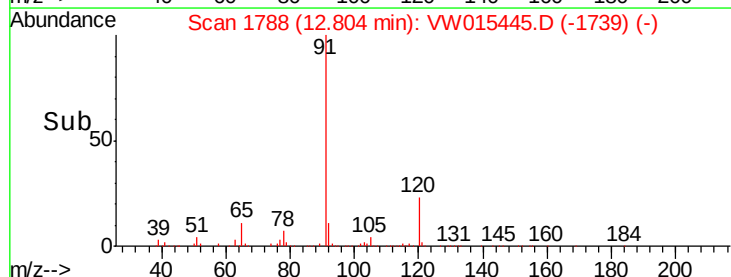
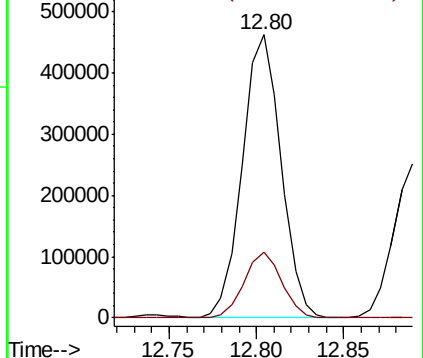
91 100

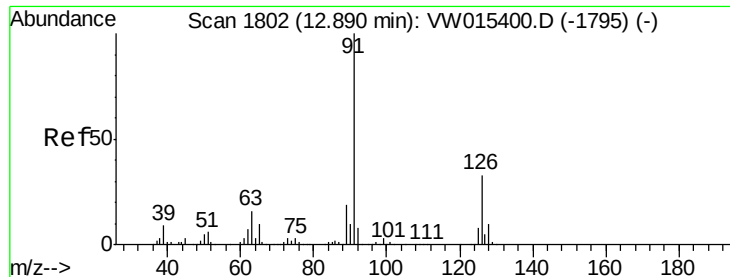
120 22.7 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.175 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

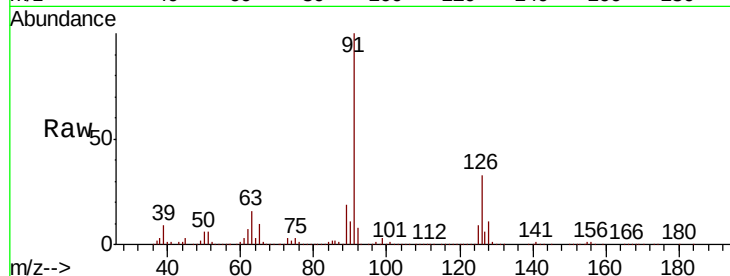
VSTDCCC050EC

Tot Ion: 91 Resp: 410791

Ion Ratio Lower Upper

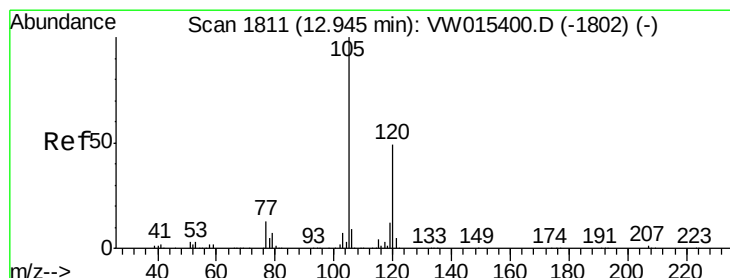
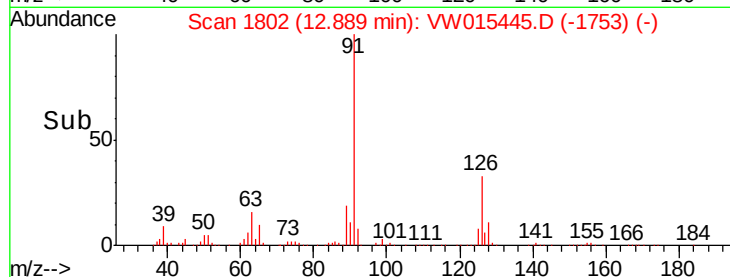
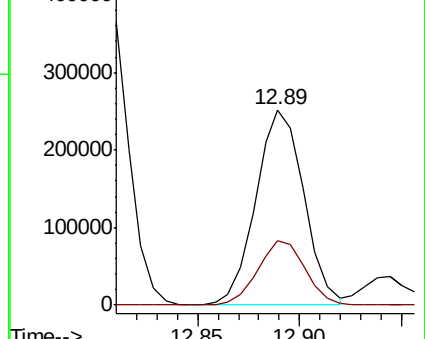
91 100

126 32.8 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 44.420 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015445.D

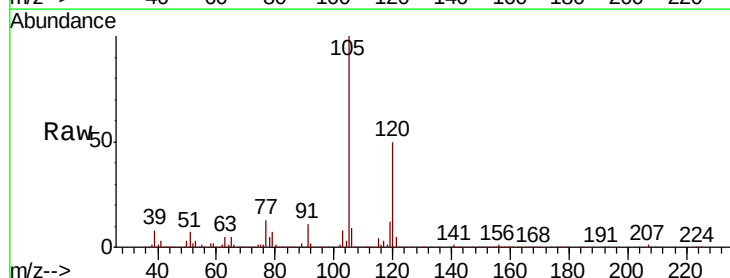
Acq: 15 May 2020 20:11

Tgt Ion:105 Resp: 503076

Ion Ratio Lower Upper

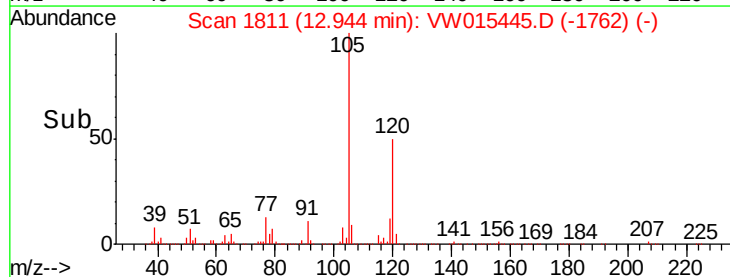
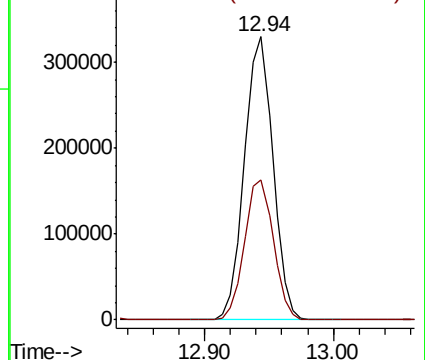
105 100

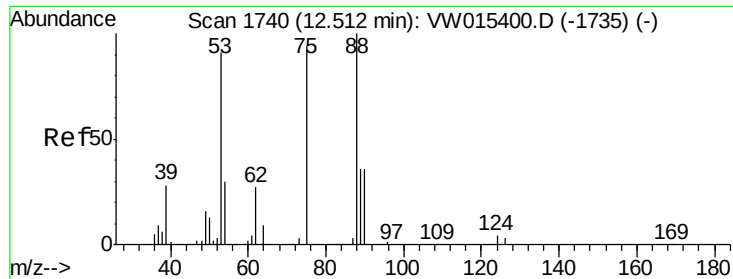
120 50.2 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.567 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

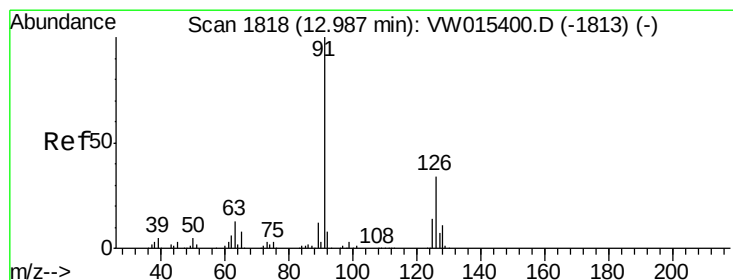
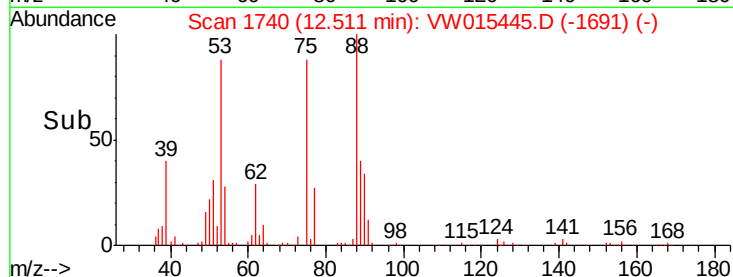
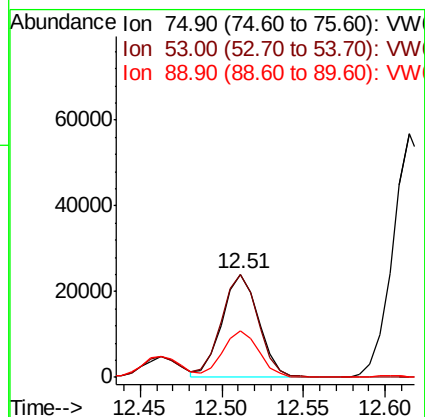
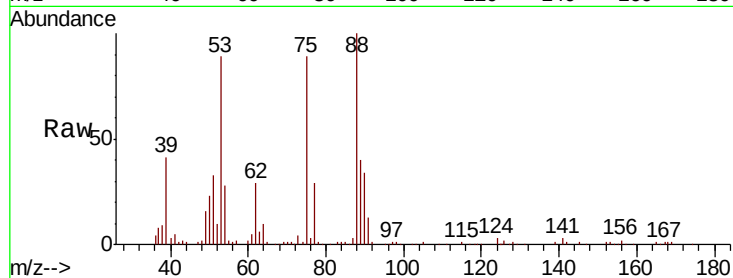
Tot Ion: 75 Resp: 37127

Ion Ratio Lower Upper

75 100

53 101.1 82.5 123.7

89 45.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 44.912 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015445.D

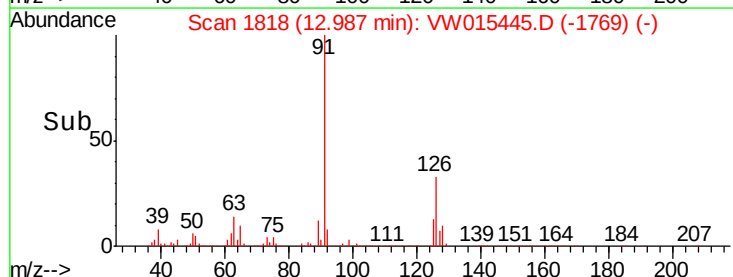
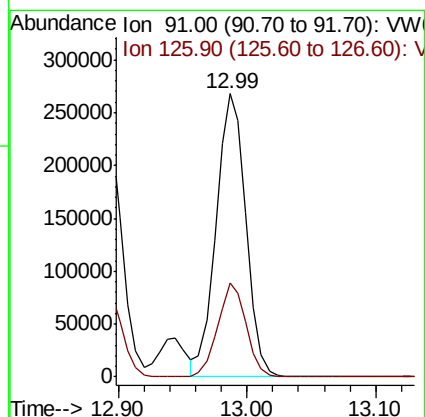
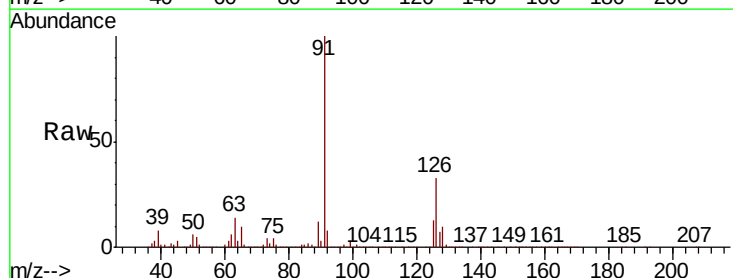
Acq: 15 May 2020 20:11

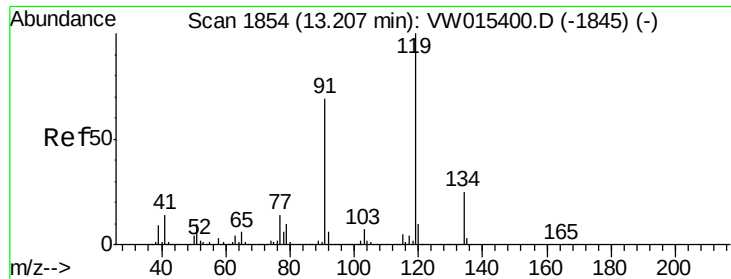
Tgt Ion: 91 Resp: 432816

Ion Ratio Lower Upper

91 100

126 31.9 16.0 47.9

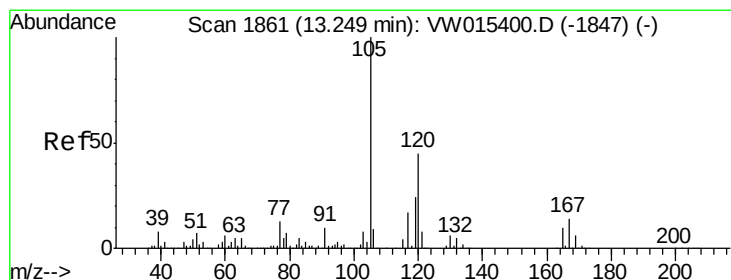
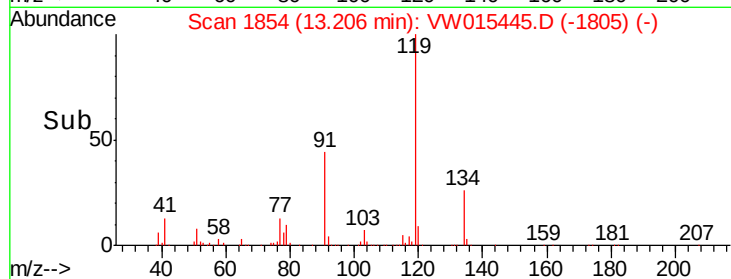
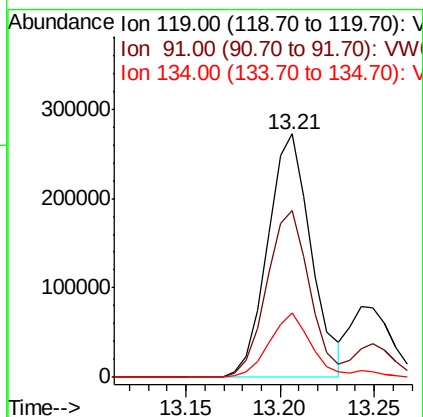
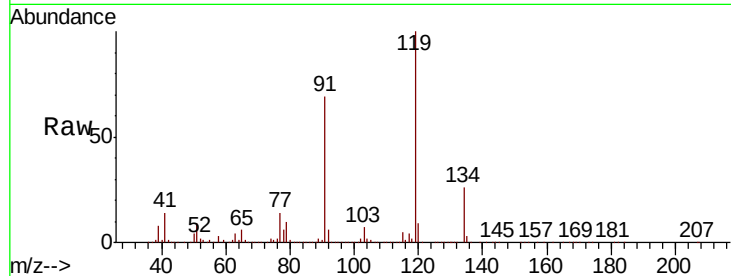




#83
 tert-Butylbenzene
 Concen: 45.078 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

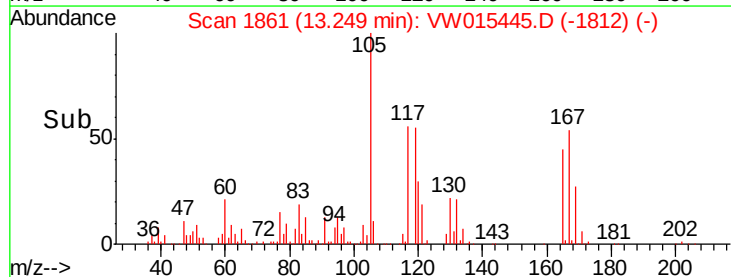
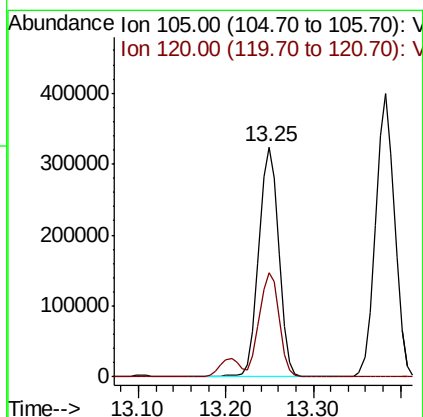
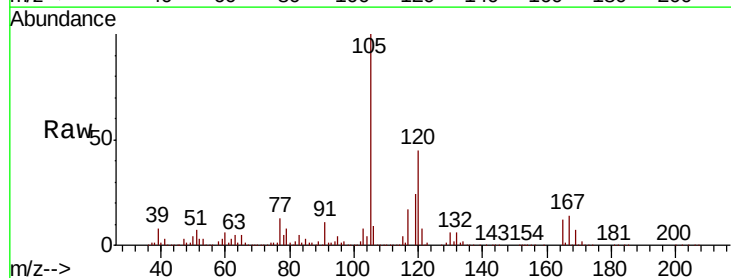
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

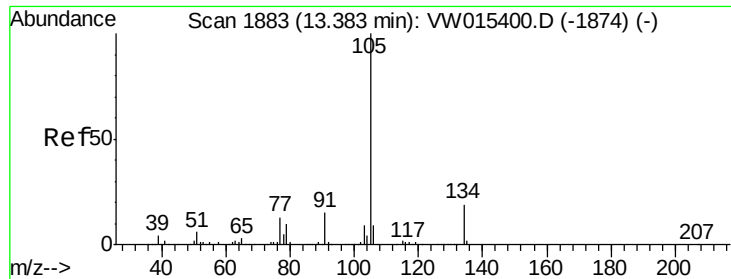
Tot Ion:119 Resp: 435627
 Ion Ratio Lower Upper
 119 100
 91 67.4 33.8 101.4
 134 25.2 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 45.475 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion:105 Resp: 515232
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.0 66.0





#85

sec-Butylbenzene

Concen: 44.242 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

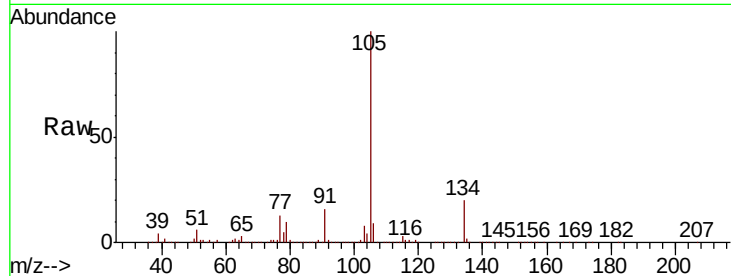
VSTDCCC050EC

Tot Ion:105 Resp: 602410

Ion Ratio Lower Upper

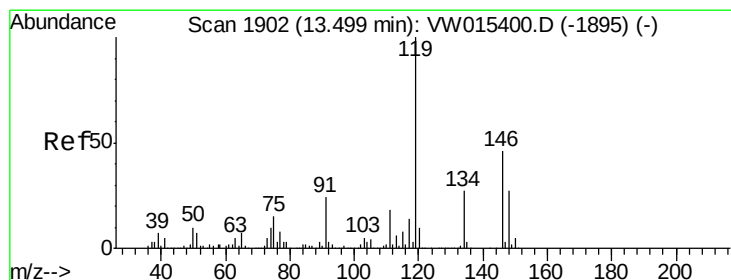
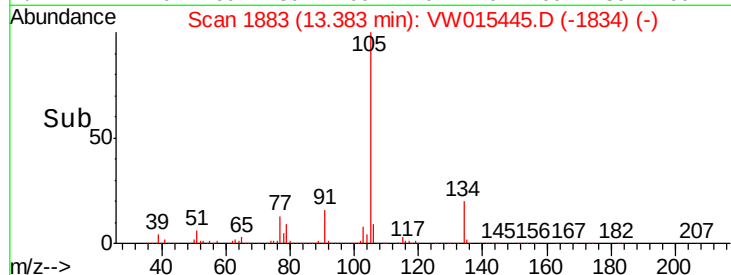
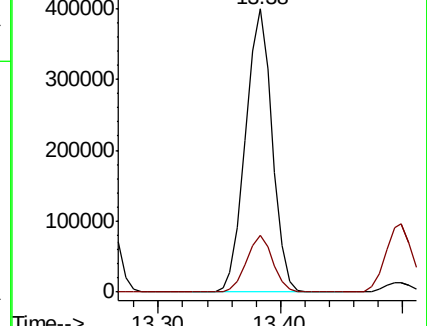
105 100

134 20.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.640 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

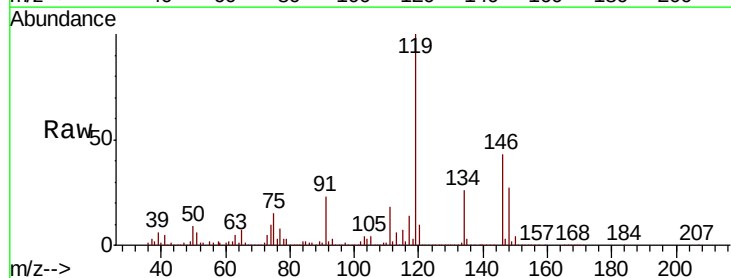
Tgt Ion:119 Resp: 566780

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

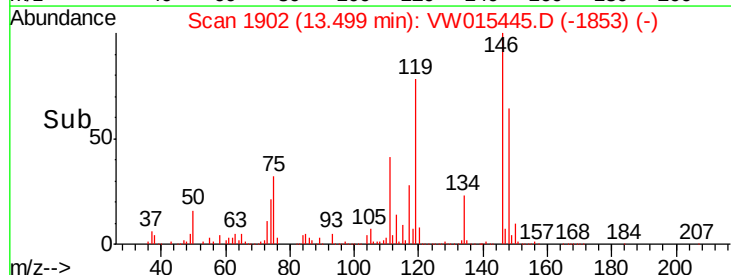
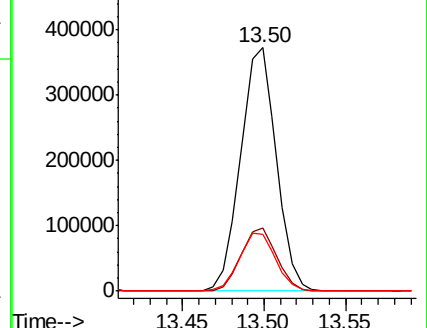
91 23.9 12.1 36.3

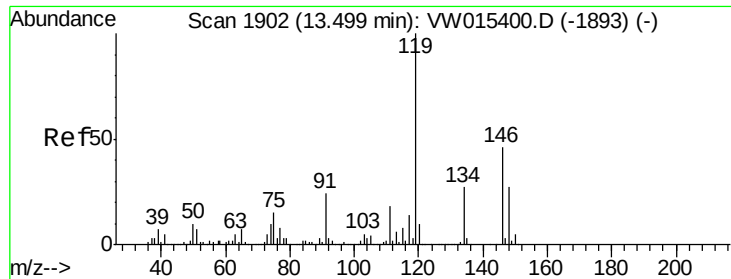


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

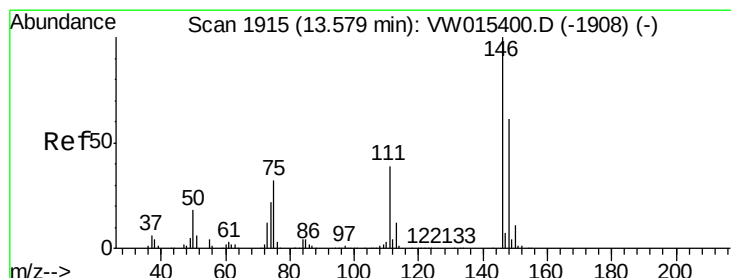
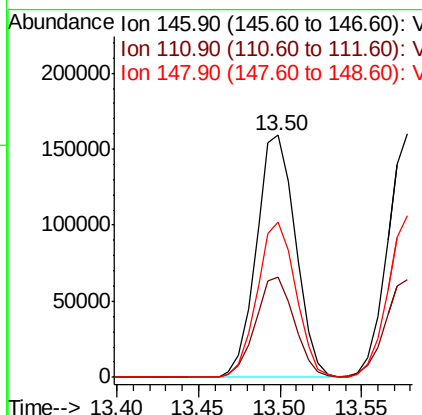
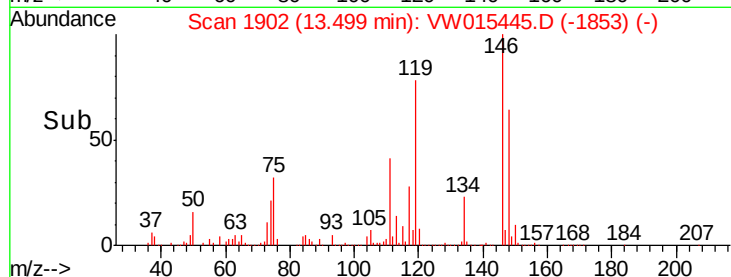
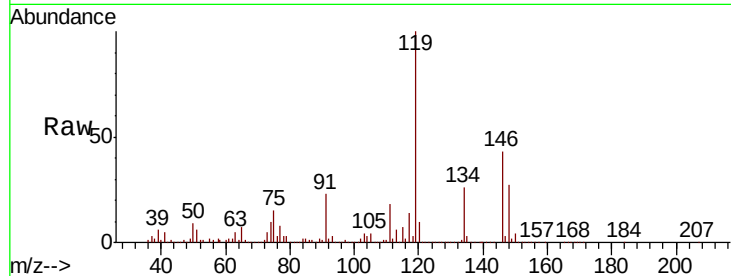




#87
 1,3-Dichlorobenzene
 Concen: 46.639 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

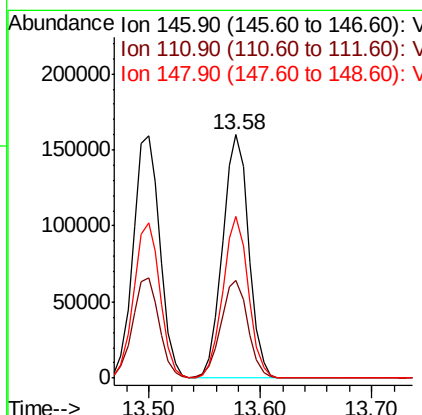
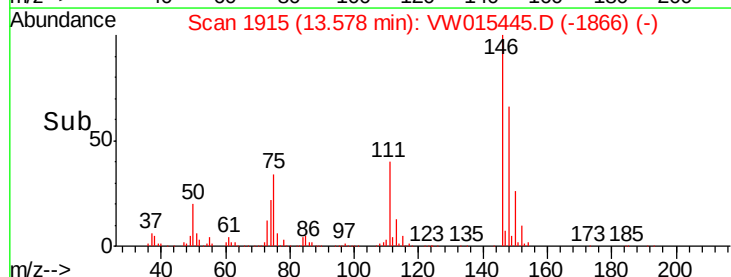
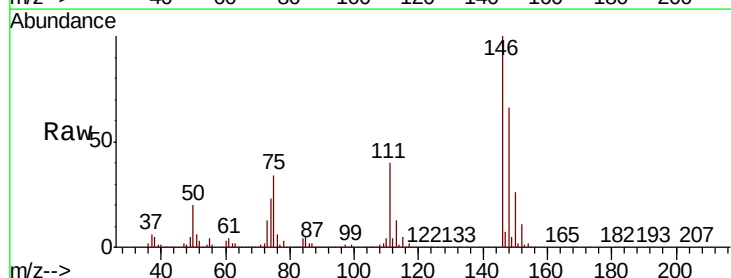
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

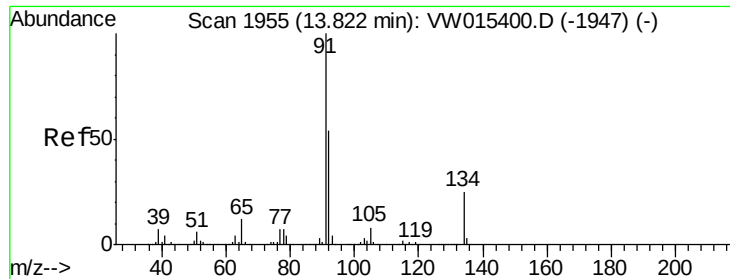
Tot Ion:146 Resp: 264716
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.5 61.5
 148 63.2 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 46.108 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion:146 Resp: 259182
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.0 60.0
 148 64.8 31.4 94.3





#89

n-Butylbenzene

Concen: 44.405 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015445.D

Acq: 15 May 2020 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

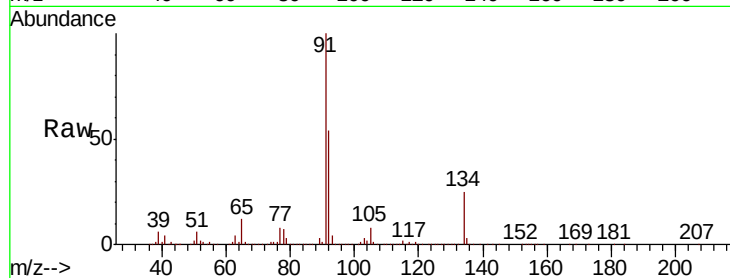
Tot Ion: 91 Resp: 539849

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

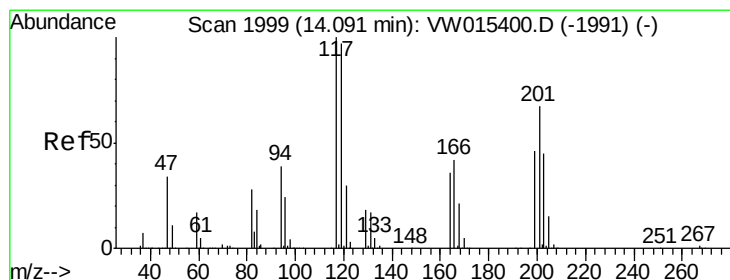
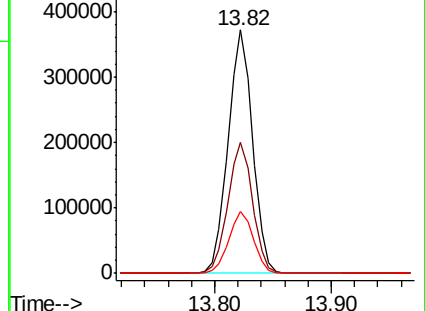
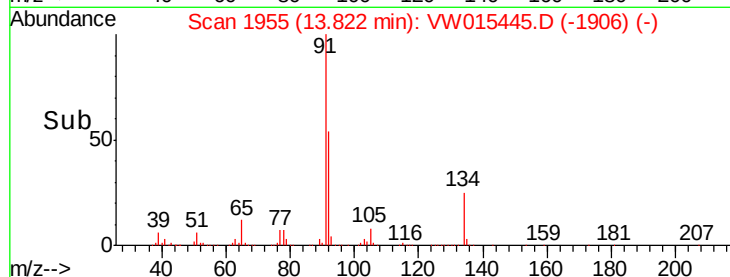
134 25.6 12.6 37.6



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: 46.358 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015445.D

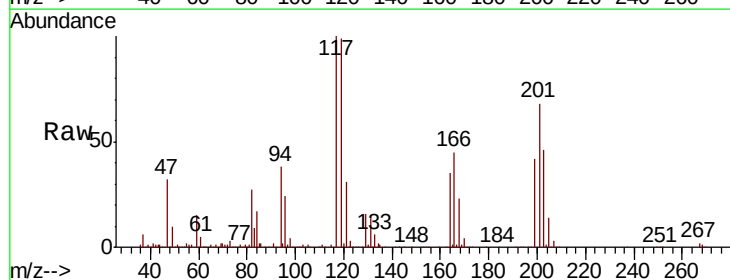
Acq: 15 May 2020 20:11

Tgt Ion: 117 Resp: 106089

Ion Ratio Lower Upper

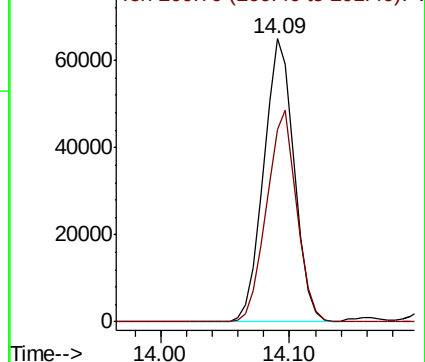
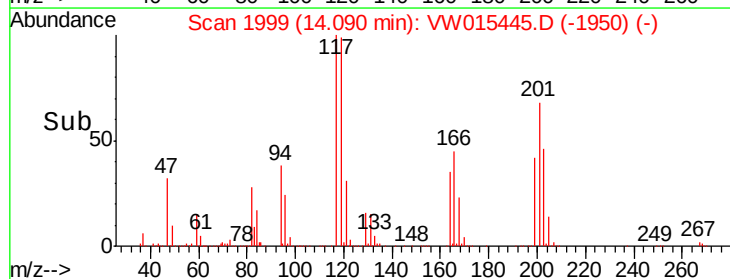
117 100

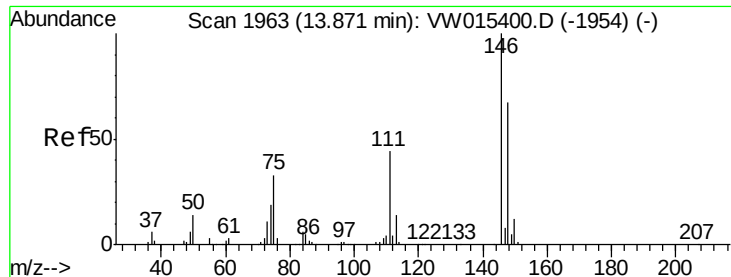
201 74.1 35.9 107.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

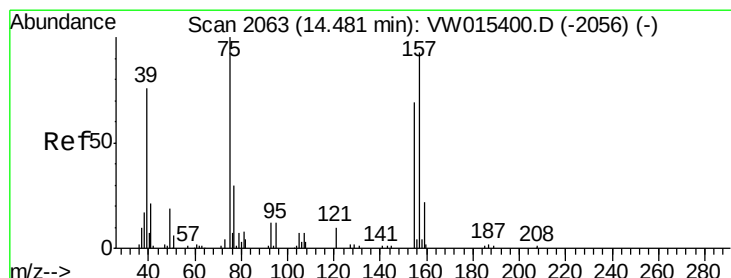
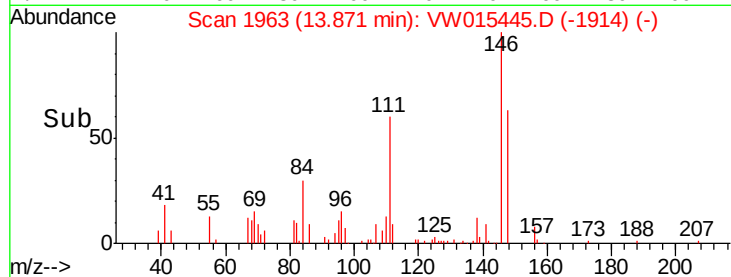
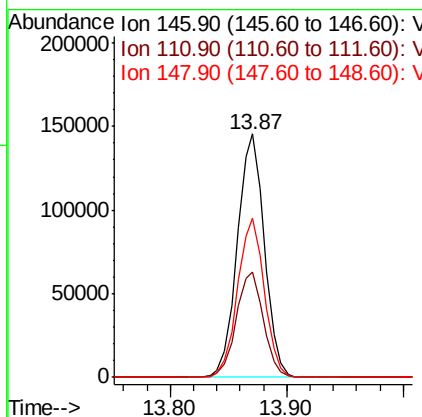
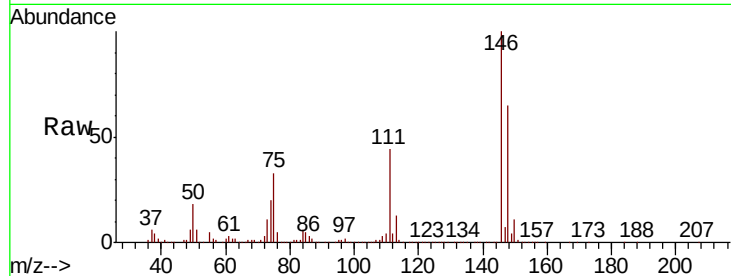




#91
 1,2-Dichlorobenzene
 Concen: 48.033 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

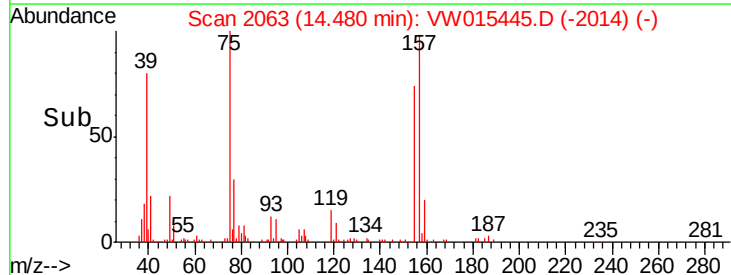
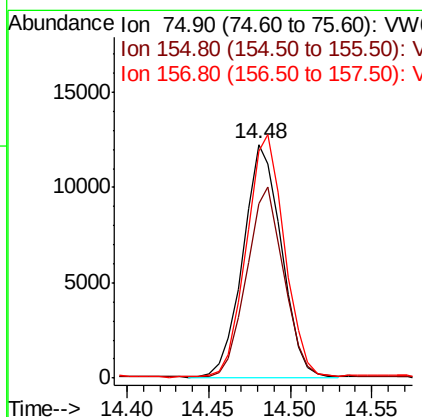
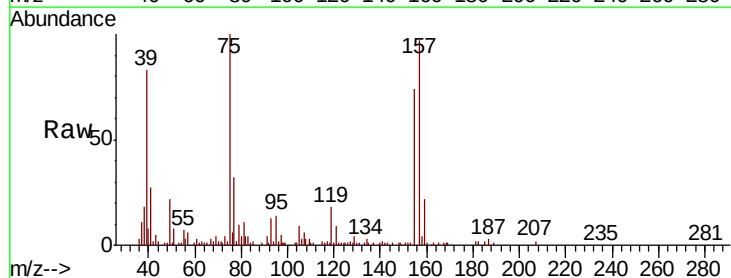
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

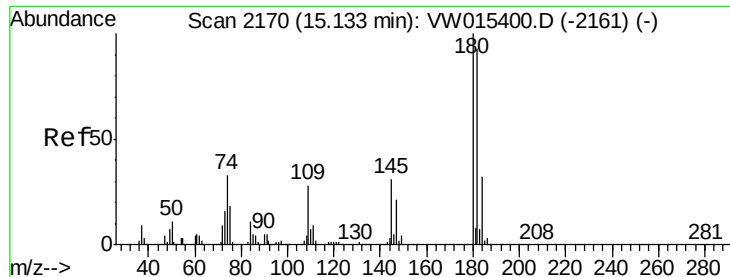
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.1	66.3
148	64.4	32.5	97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.504 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	38.7	116.1
157	104.8	48.1	144.4

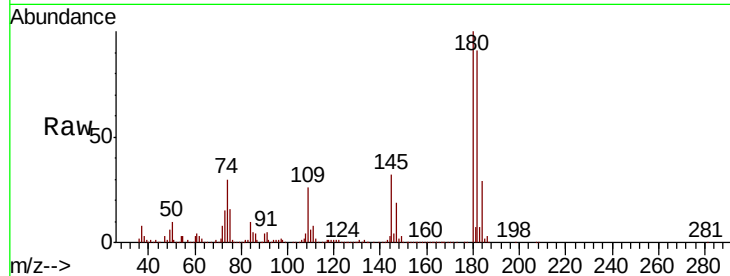




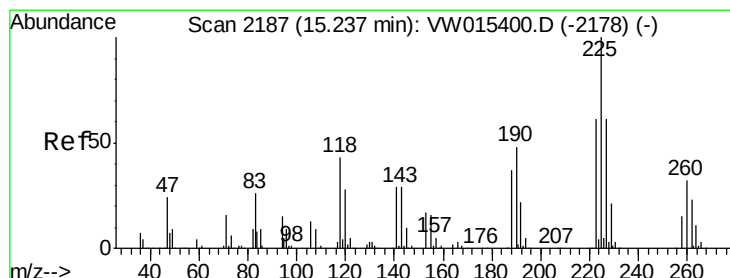
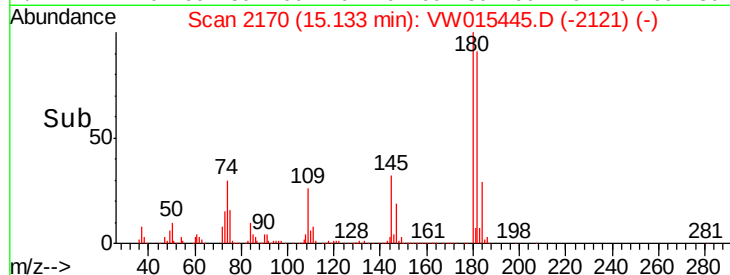
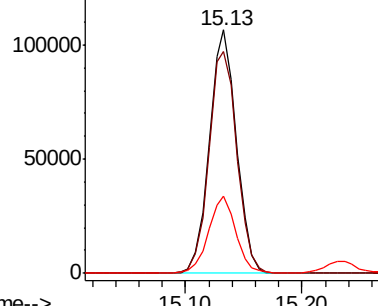
#93
 1,2,4-Trichlorobenzene
 Concen: 51.951 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 171594
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.2 141.6
 145 31.9 15.6 46.8

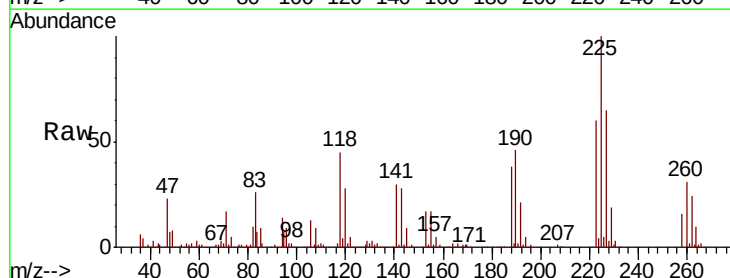


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

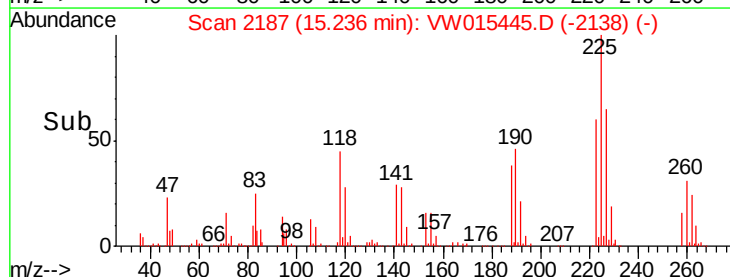
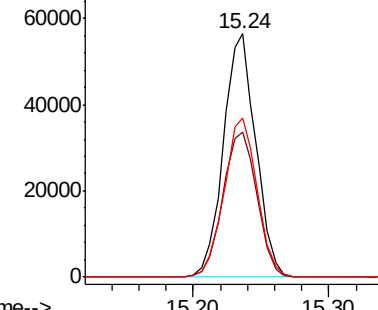


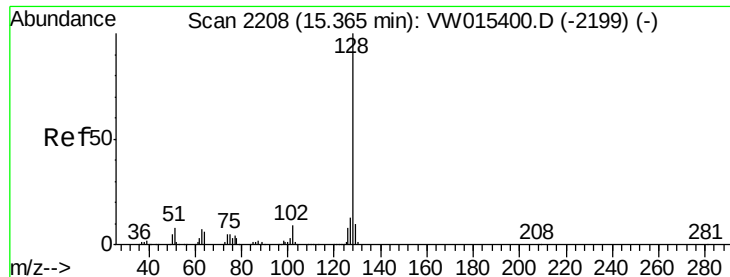
#94
 Hexachlorobutadiene
 Concen: 48.119 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015445.D
 Acq: 15 May 2020 20:11

Tgt Ion:225 Resp: 94182
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.7 92.1
 227 66.5 32.0 96.0



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

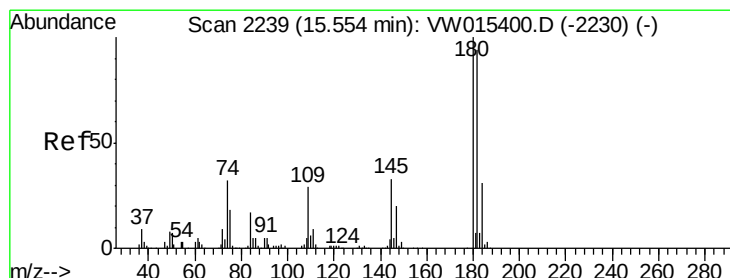
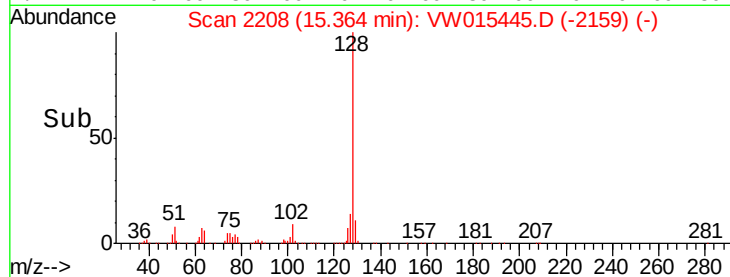
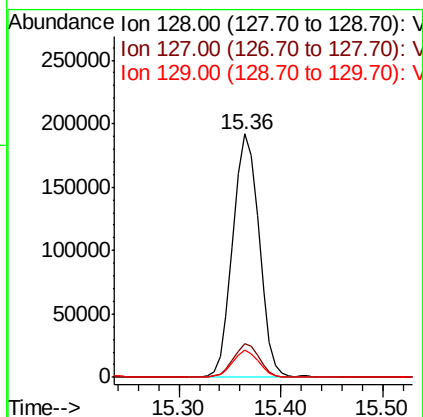
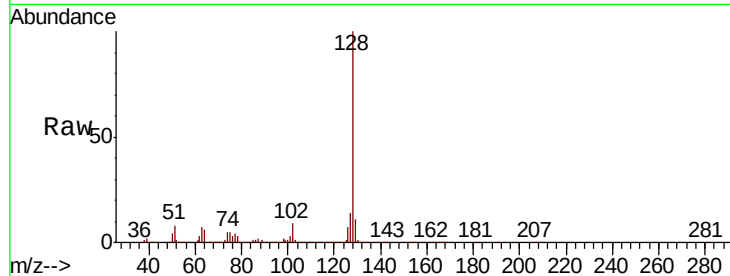




#95
Naphthalene
Concen: 57.921 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 342683
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.276 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015445.D
Acq: 15 May 2020 20:11

Tgt Ion:180 Resp: 148359
Ion Ratio Lower Upper
180 100
182 95.4 47.6 142.8
145 34.7 16.3 48.8

