

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050720\
 Data File : VW015414.D
 Acq On : 07 May 2020 12:13
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: May 08 07:23:53 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	207608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158168	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	114732	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
35) Dibromofluoromethane	7.88	113	101042	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	10.32	98	414838	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.62	95	153346	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	67715	56.416	ug/l	97
3) Chloromethane	2.21	50	75739	50.403	ug/l	96
4) Vinyl Chloride	2.37	62	123190	54.134	ug/l	97
5) Bromomethane	2.78	94	86506	48.522	ug/l	94
6) Chloroethane	2.93	64	80605	51.400	ug/l	98
7) Trichlorofluoromethane	3.26	101	85302	51.104	ug/l	96
8) Diethyl Ether	3.68	74	56384	54.056	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	103869	53.680	ug/l	99
10) Methyl Iodide	4.27	142	157039	53.634	ug/l	100
11) Tert butyl alcohol	5.17	59	39191	297.802	ug/l	98
12) 1,1-Dichloroethene	4.03	96	105669	52.660	ug/l	99
13) Acrolein	3.89	56	41455	246.675	ug/l	97
14) Allyl chloride	4.67	41	187318	53.278	ug/l	100
15) Acrylonitrile	5.37	53	118120	278.245	ug/l	100
16) Acetone	4.12	43	99660	281.105	ug/l	99
17) Carbon Disulfide	4.38	76	328400	53.375	ug/l	100
18) Methyl Acetate	4.67	43	50503	53.660	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	173961	53.957	ug/l	99
20) Methylene Chloride	4.91	84	112910	48.812	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	121799	53.472	ug/l	96
22) Diisopropyl ether	6.31	45	372101	54.161	ug/l	97
23) Vinyl Acetate	6.25	43	1132669	271.208	ug/l	99
24) 1,1-Dichloroethane	6.21	63	220663	53.575	ug/l	99
25) 2-Butanone	7.17	43	154032	278.741	ug/l	98
26) 2,2-Dichloropropane	7.16	77	142963	52.370	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	132368	53.517	ug/l	99
28) Bromochloromethane	7.51	49	86284	52.100	ug/l	100
29) Tetrahydrofuran	7.52	42	100825	277.242	ug/l	99
30) Chloroform	7.67	83	222413	54.349	ug/l	98
31) Cyclohexane	7.95	56	212439	50.799	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	186025	54.085	ug/l	99
36) 1,1-Dichloropropene	8.08	75	182441	54.287	ug/l	99
37) Ethyl Acetate	7.25	43	73397	56.286	ug/l	99
38) Carbon Tetrachloride	8.07	117	172949	55.048	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	230823	54.260	ug/l	100
40) Benzene	8.32	78	498915	54.433	ug/l	100
41) Methacrylonitrile	7.48	41	44302	53.770	ug/l	97
42) 1,2-Dichloroethane	8.40	62	153234	54.889	ug/l	100
43) Isopropyl Acetate	8.42	43	149602	54.551	ug/l	100
44) Trichloroethene	9.09	130	129793	54.636	ug/l	96
45) 1,2-Dichloropropane	9.37	63	124429	54.954	ug/l	98
46) Dibromomethane	9.46	93	61838	54.911	ug/l	99
47) Bromodichloromethane	9.64	83	169342	55.176	ug/l	98
48) Methyl methacrylate	9.43	41	70468	55.628	ug/l	100
49) 1,4-Dioxane	9.44	88	18233	1286.530	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	365612	284.470	ug/l	100
52) Toluene	10.38	92	323763	54.357	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	174343	55.652	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	202487	54.895	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	86513	54.326	ug/l	95
56) Ethyl methacrylate	10.65	69	120958	55.281	ug/l	98
57) 1,3-Dichloropropane	10.93	76	156256	54.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	289629	272.084	ug/l	100
59) 2-Hexanone	10.97	43	247807	284.956	ug/l	99
60) Dibromochloromethane	11.13	129	105943	55.315	ug/l	98
61) 1,2-Dibromoethane	11.23	107	84579	56.092	ug/l	100
64) Tetrachloroethene	10.86	164	105974	55.709	ug/l	97
65) Chlorobenzene	11.66	112	331492	54.022	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	120589	55.428	ug/l	98
67) Ethyl Benzene	11.73	91	640684	54.549	ug/l	99
68) m/p-Xylenes	11.83	106	477149	109.269	ug/l	98
69) o-Xylene	12.16	106	224368	54.678	ug/l	100
70) Styrene	12.18	104	391355	55.375	ug/l	100
71) Bromoform	12.35	173	58839	55.456	ug/l #	98
73) Isopropylbenzene	12.46	105	628090	53.190	ug/l	100
74) N-amyl acetate	12.27	43	150139	53.789	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	100904	54.624	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	66684m	51.250	ug/l	
77) Bromobenzene	12.74	156	133925	53.518	ug/l	100
78) n-propylbenzene	12.80	91	763477	53.890	ug/l	100
79) 2-Chlorotoluene	12.89	91	427408	53.519	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	535707	53.860	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35856	54.508	ug/l	100
82) 4-Chlorotoluene	12.99	91	450892	53.276	ug/l	100
83) tert-Butylbenzene	13.21	119	461701	54.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	534189	53.686	ug/l	99
85) sec-Butylbenzene	13.38	105	642021	53.689	ug/l	100
86) p-Isopropyltoluene	13.50	119	598378	54.865	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	269317	54.029	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	265641	53.810	ug/l	100
89) n-Butylbenzene	13.82	91	570759	53.457	ug/l	100
90) Hexachloroethane	14.09	117	109619	54.542	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	234075	54.234	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17421	54.020	ug/l	97

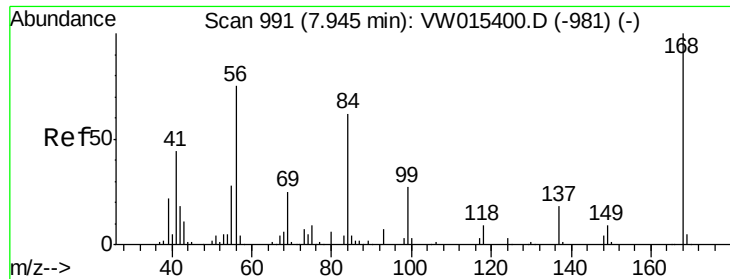
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	151510	52.231	ug/l	99
94) Hexachlorobutadiene	15.24	225	91876	53.449	ug/l	98
95) Naphthalene	15.36	128	282591	54.387	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	132363	53.106	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

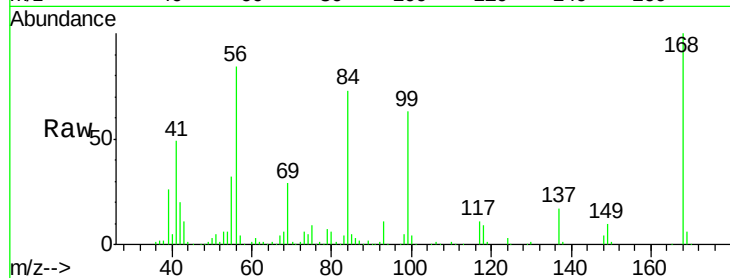
VSTDCCC050

Tot Ion:168 Resp: 207608

Ion Ratio Lower Upper

168 100

99 63.1 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

100000

80000

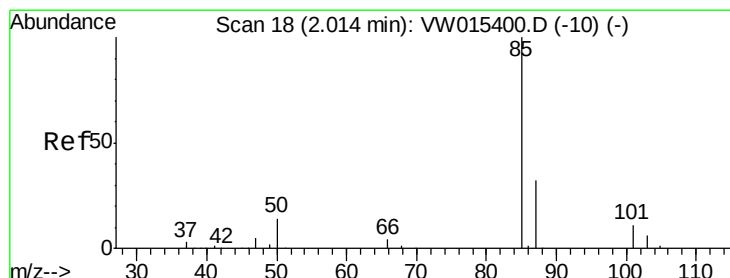
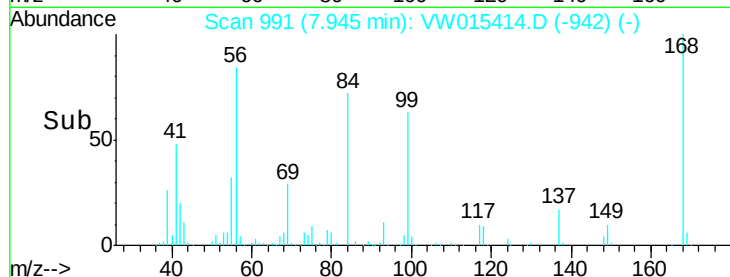
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 56.416 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015414.D

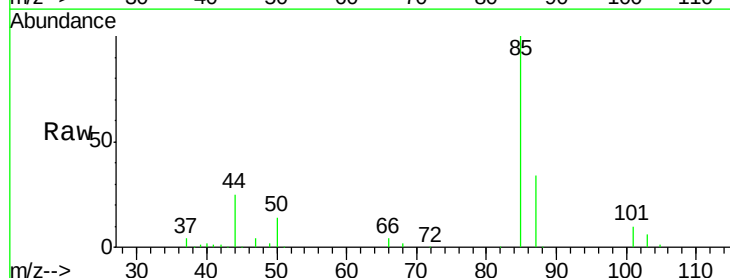
Acq: 07 May 2020 12:13

Tgt Ion: 85 Resp: 67715

Ion Ratio Lower Upper

85 100

87 34.1 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

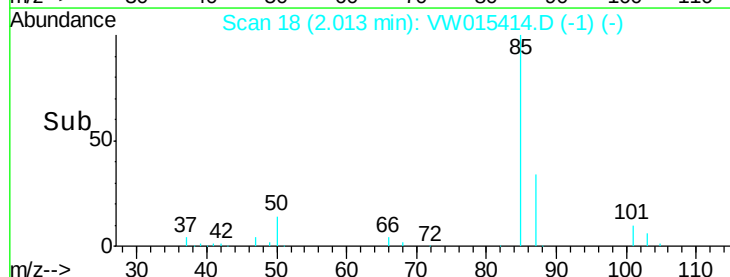
15000

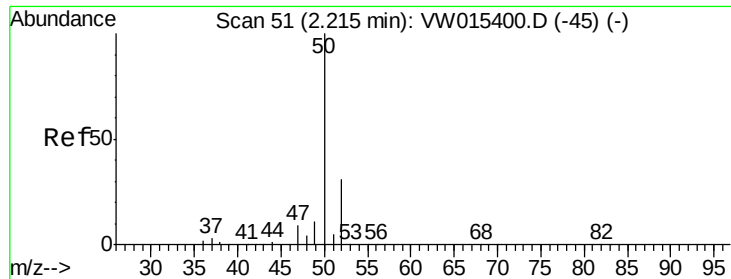
10000

5000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 50.403 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

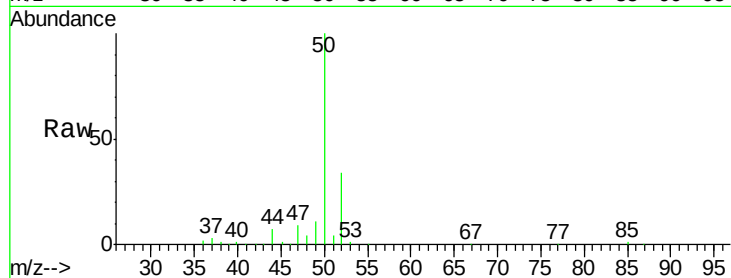
VSTDCCC050

Tot Ion: 50 Resp: 75739

Ion Ratio Lower Upper

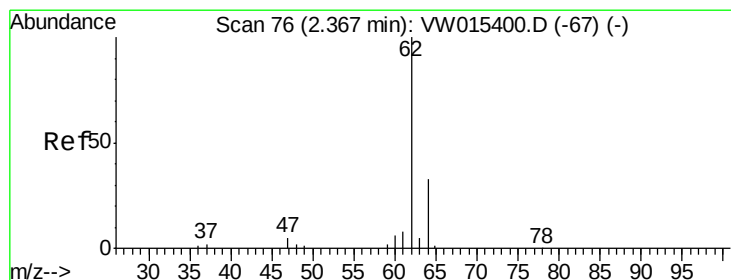
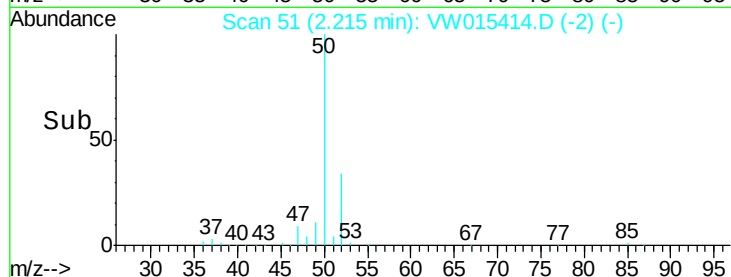
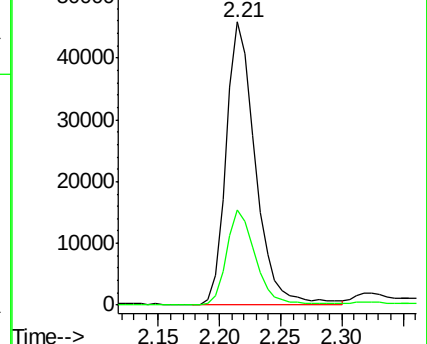
50 100

52 33.6 25.0 37.6



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 54.134 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015414.D

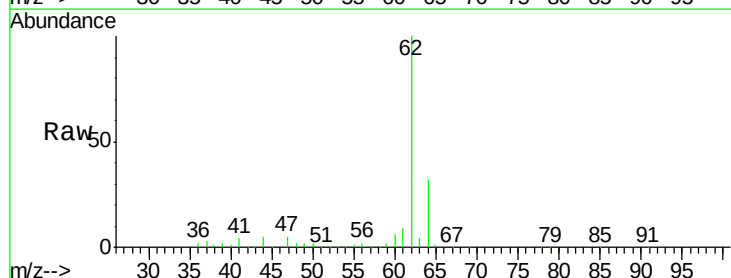
Acq: 07 May 2020 12:13

Tgt Ion: 62 Resp: 123190

Ion Ratio Lower Upper

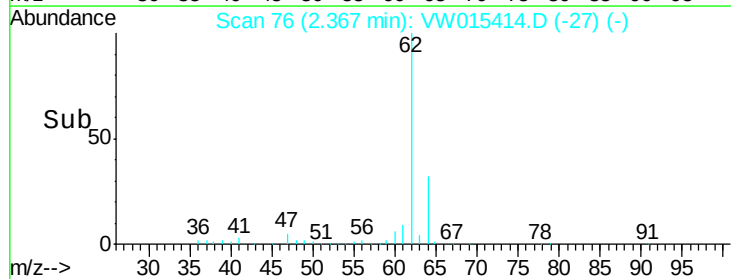
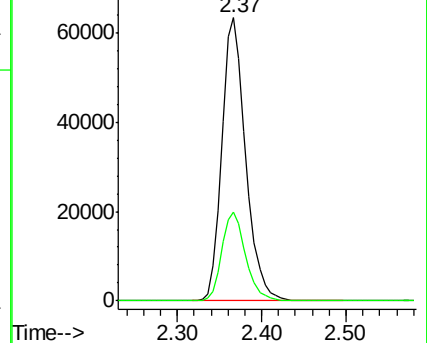
62 100

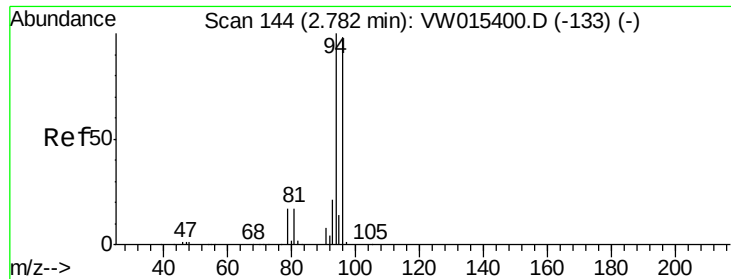
64 31.5 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.522 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

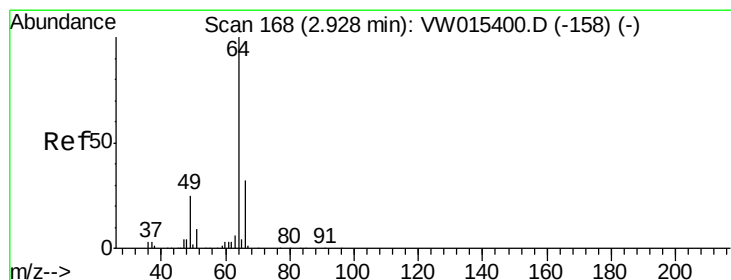
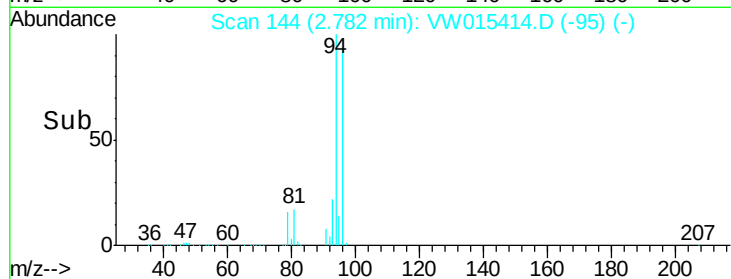
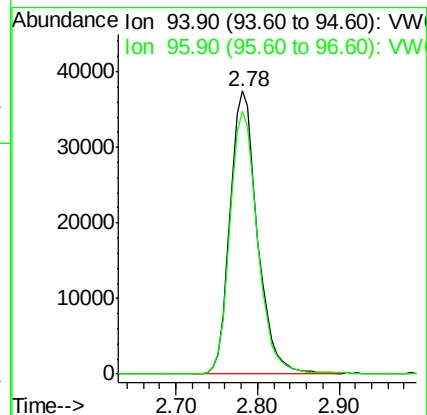
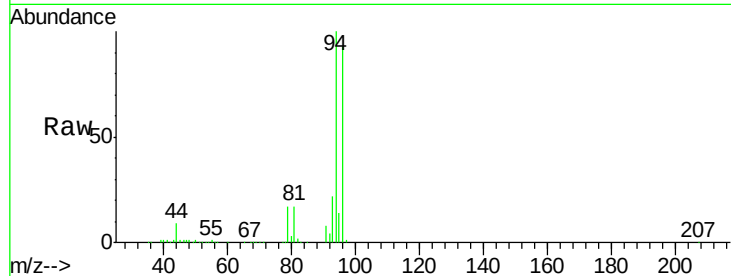
VSTDCCC050

Tot Ion: 94 Resp: 86506

Ion Ratio Lower Upper

94 100

96 92.8 78.8 118.2



#6

Chloroethane

Concen: 51.400 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015414.D

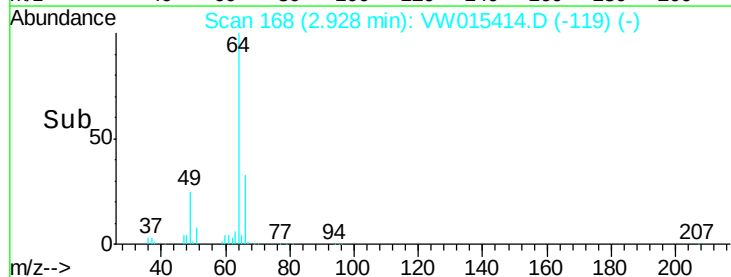
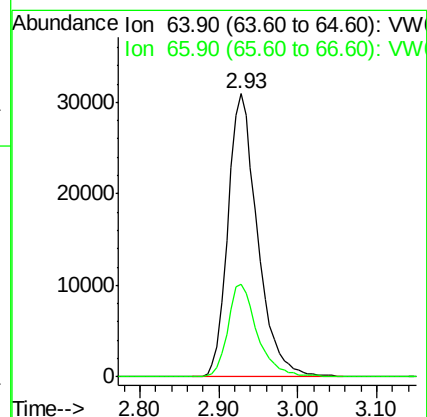
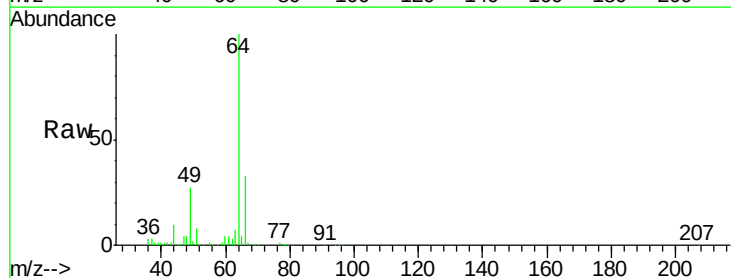
Acq: 07 May 2020 12:13

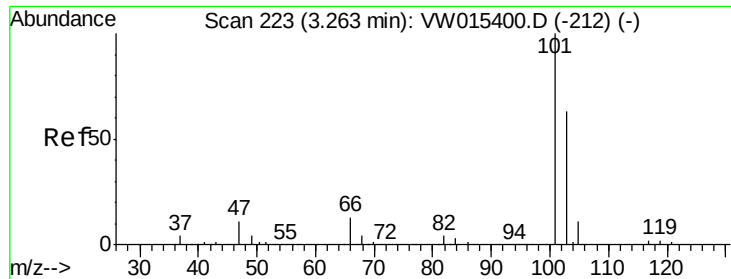
Tgt Ion: 64 Resp: 80605

Ion Ratio Lower Upper

64 100

66 32.9 25.4 38.0



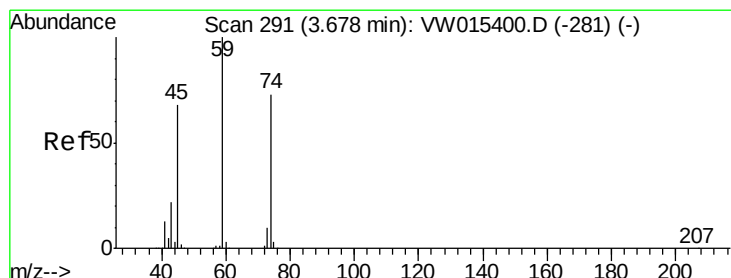
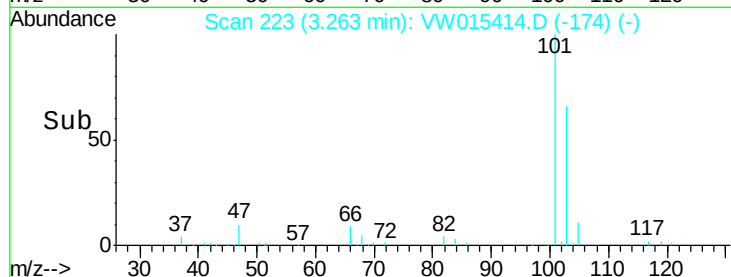
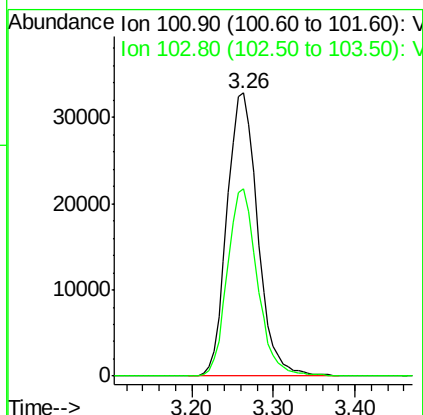
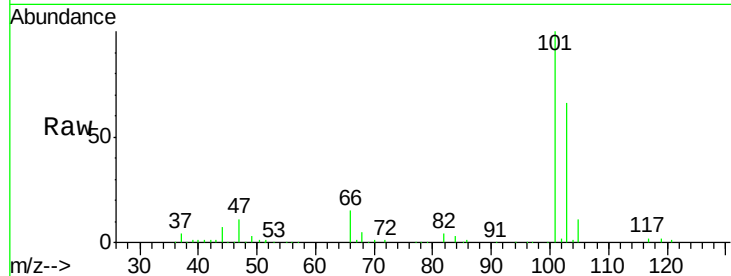


#7

Trichlorofluoromethane
 Concen: 51.104 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

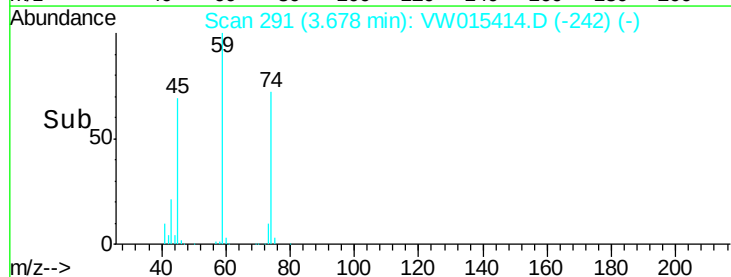
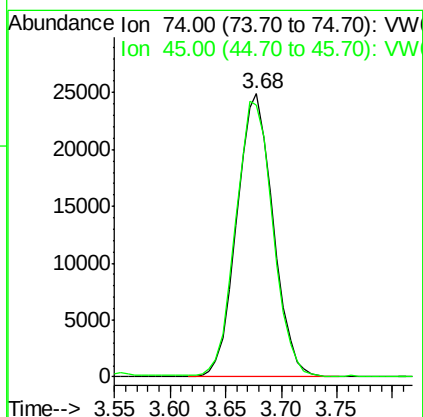
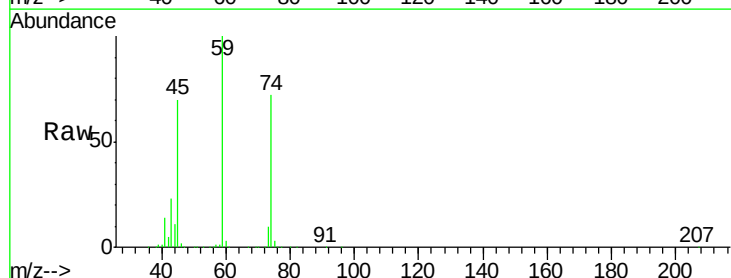
Tot Ion:101 Resp: 85302
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.2 75.4

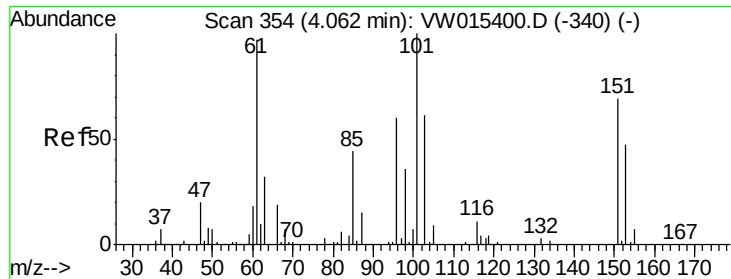


#8

Diethyl Ether
 Concen: 54.056 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion: 74 Resp: 56384
 Ion Ratio Lower Upper
 74 100
 45 100.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.680 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

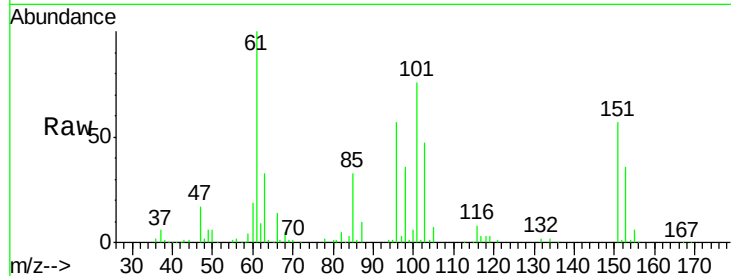
Tot Ion:101 Resp: 103869

Ion Ratio Lower Upper

101 100

85 46.2 37.3 55.9

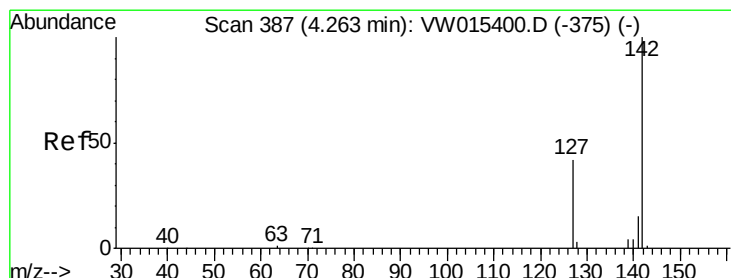
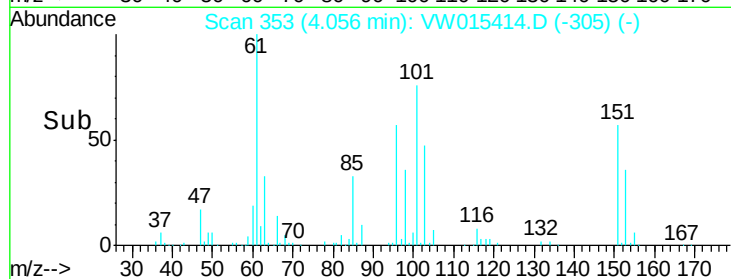
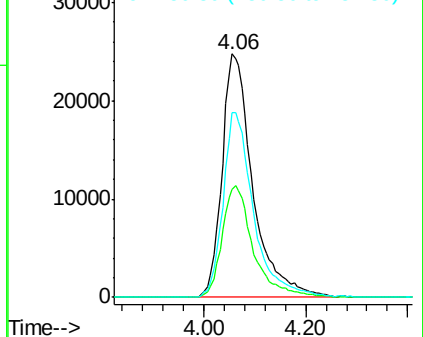
151 75.0 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.634 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

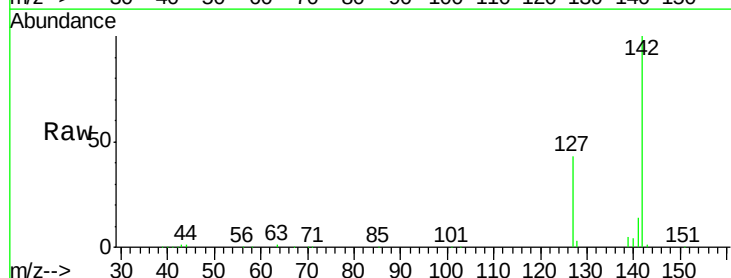
Tgt Ion:142 Resp: 157039

Ion Ratio Lower Upper

142 100

127 44.1 35.4 53.2

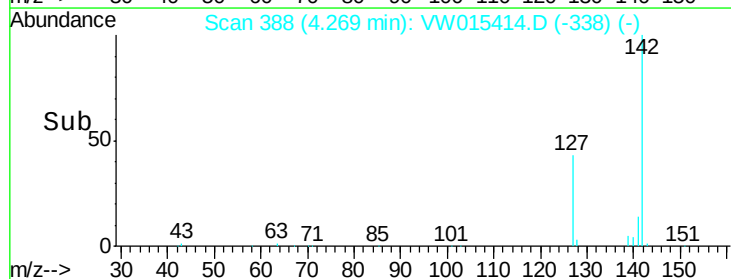
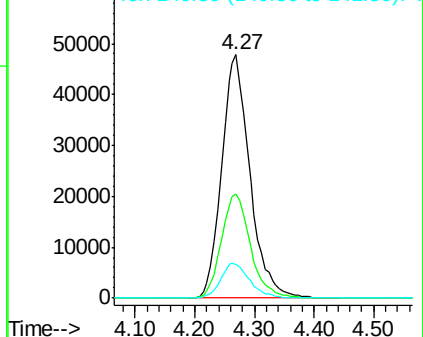
141 14.6 11.7 17.5

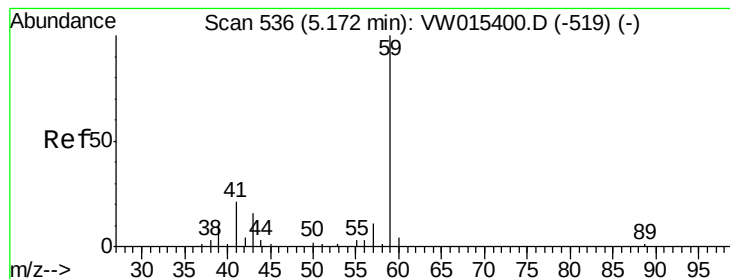


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



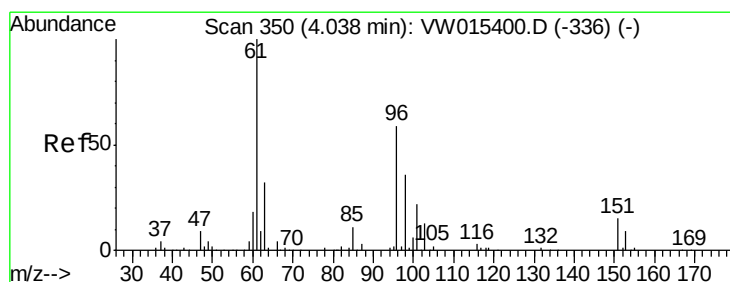
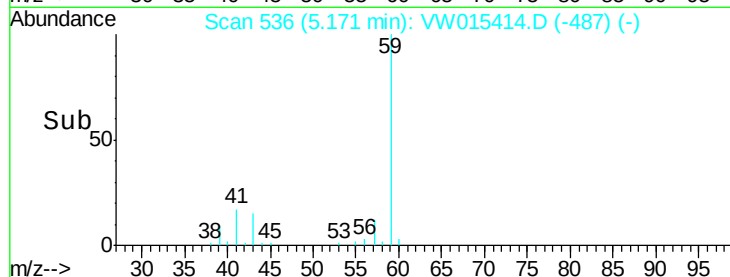
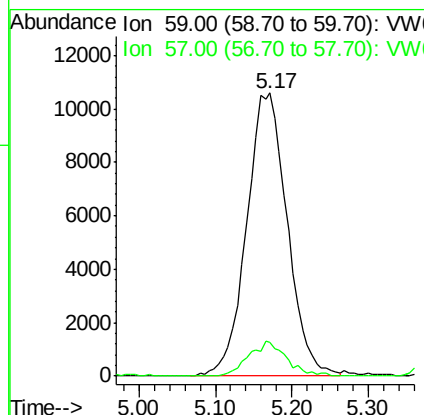
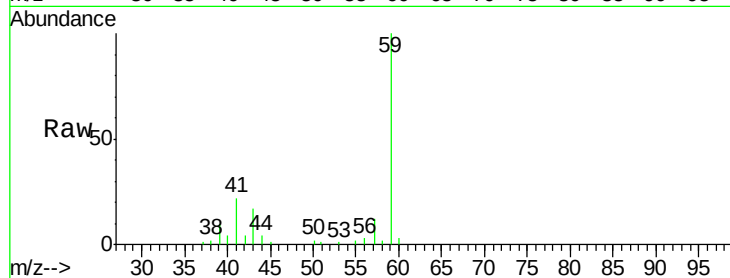


#11

Tert butyl alcohol
 Concen: 297.802 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

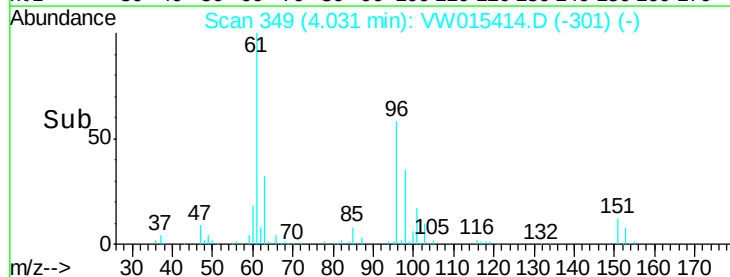
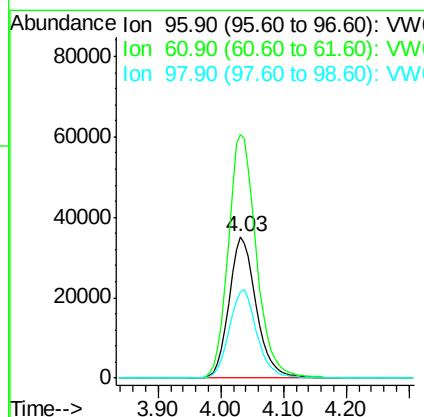
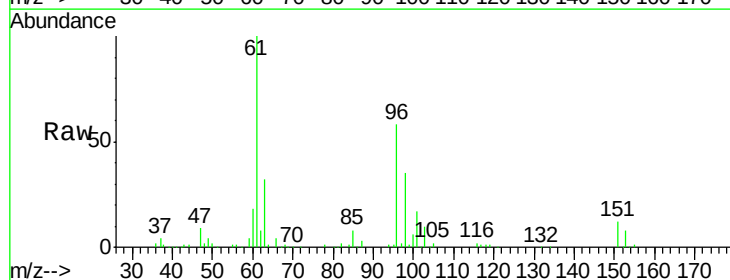
Tot Ion: 59 Resp: 39191
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.6 13.0

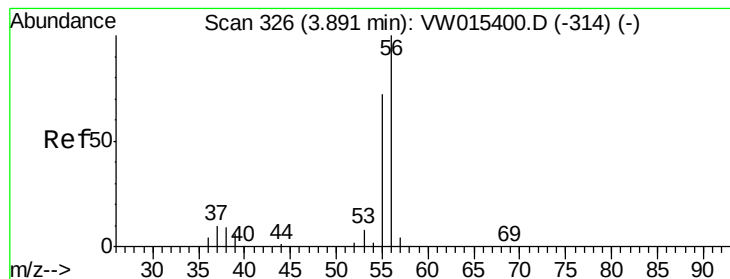


#12

1,1-Dichloroethene
 Concen: 52.660 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion: 96 Resp: 105669
 Ion Ratio Lower Upper
 96 100
 61 172.0 135.8 203.8
 98 61.0 48.6 72.8





#13

Acrolein

Concen: 246.675 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

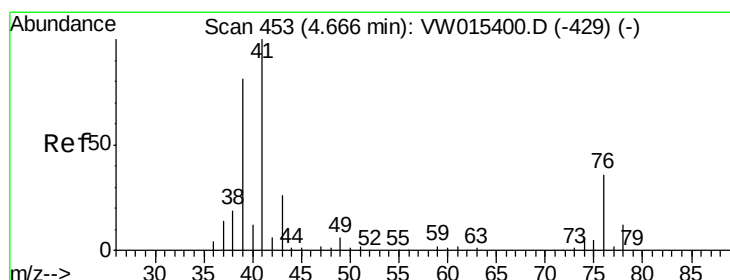
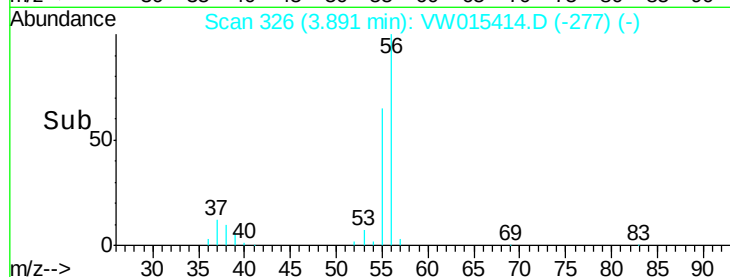
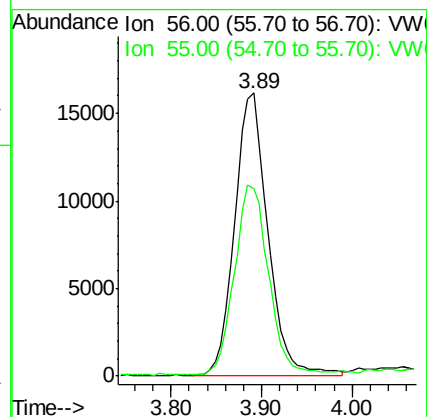
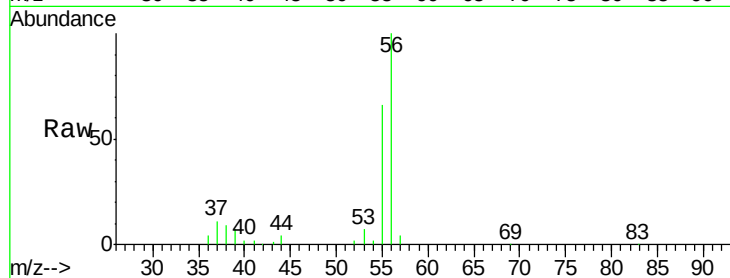
VSTDCCC050

Tot Ion: 56 Resp: 41455

Ion Ratio Lower Upper

56 100

55 68.3 56.4 84.6



#14

Allyl chloride

Concen: 53.278 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

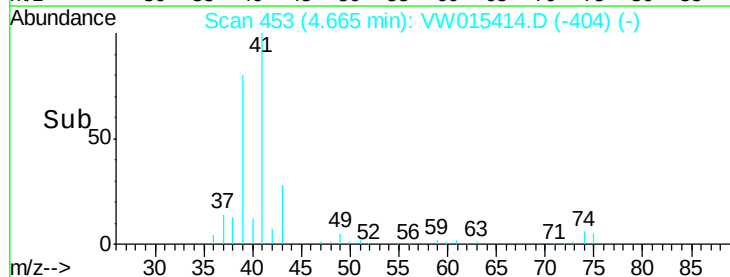
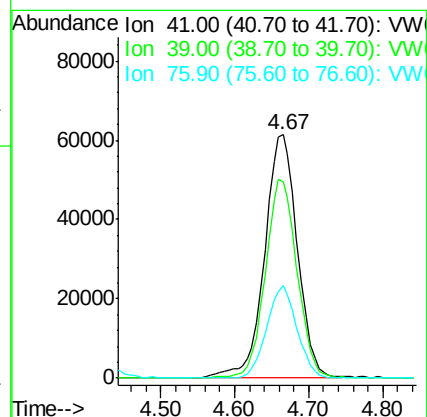
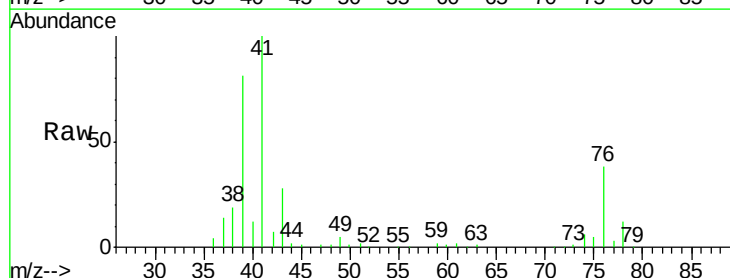
Tgt Ion: 41 Resp: 187318

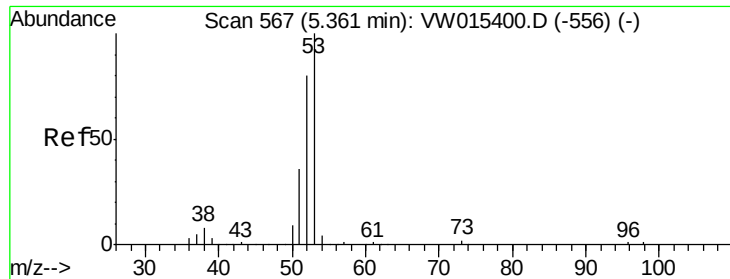
Ion Ratio Lower Upper

41 100

39 80.0 63.6 95.4

76 35.4 28.4 42.6





#15

Acrylonitrile

Concen: 278.245 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

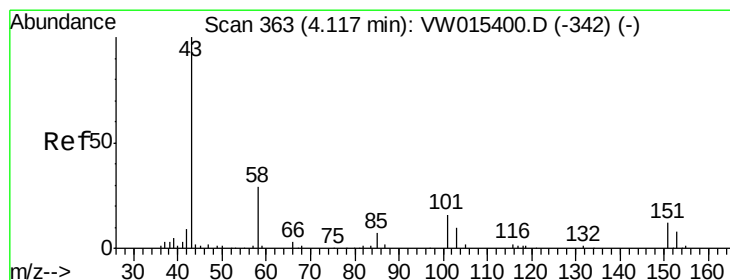
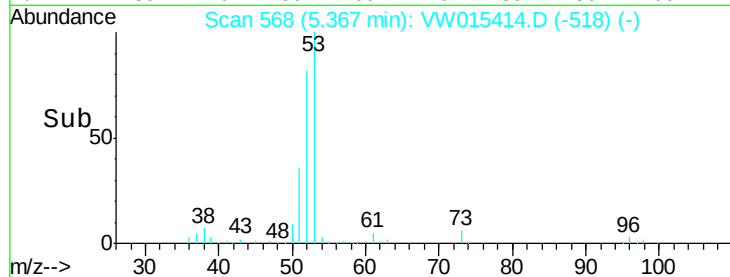
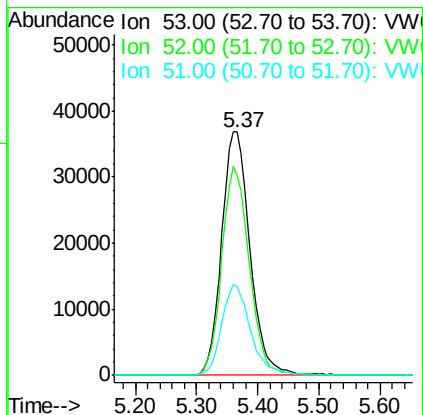
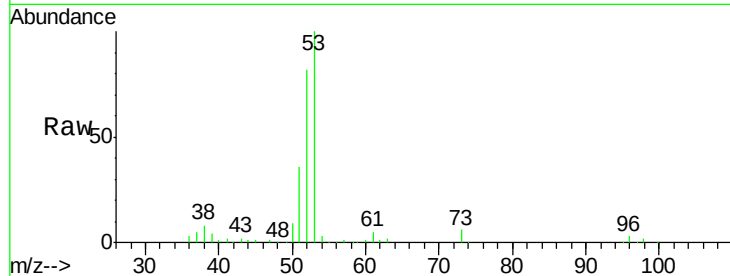
Tot Ion: 53 Resp: 118120

Ion Ratio Lower Upper

53 100

52 83.1 66.6 99.8

51 38.1 30.2 45.2



#16

Acetone

Concen: 281.105 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW015414.D

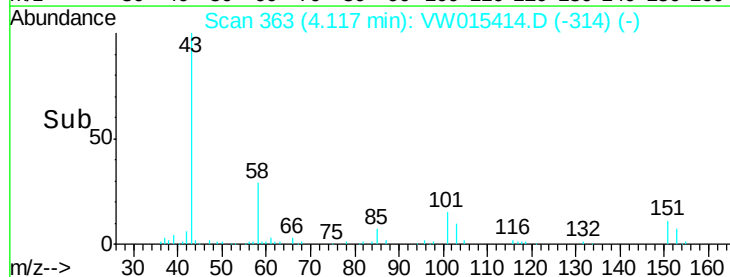
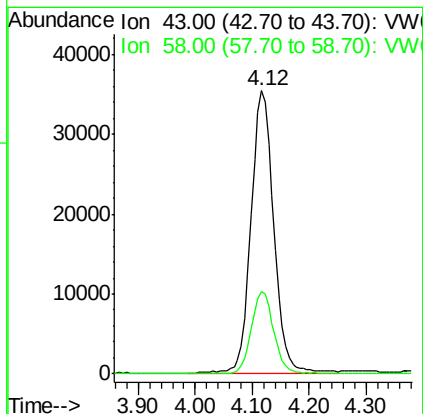
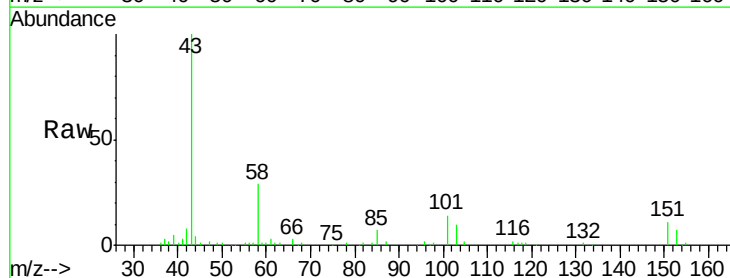
Acq: 07 May 2020 12:13

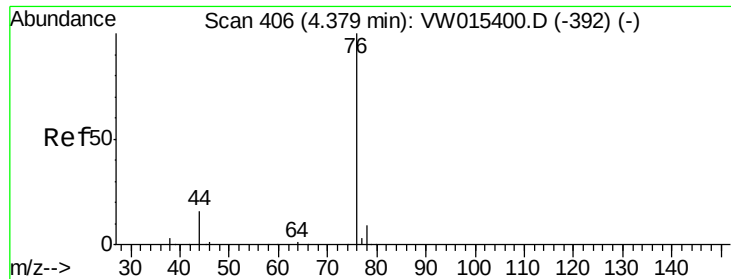
Tgt Ion: 43 Resp: 99660

Ion Ratio Lower Upper

43 100

58 28.9 23.4 35.0

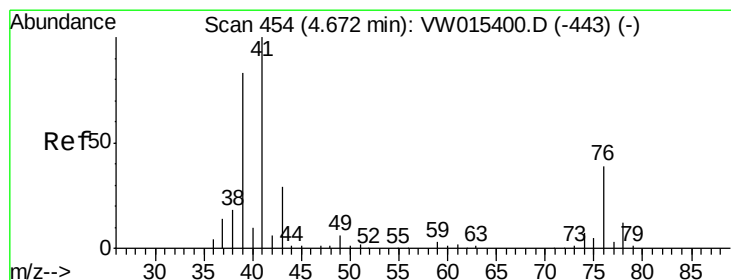
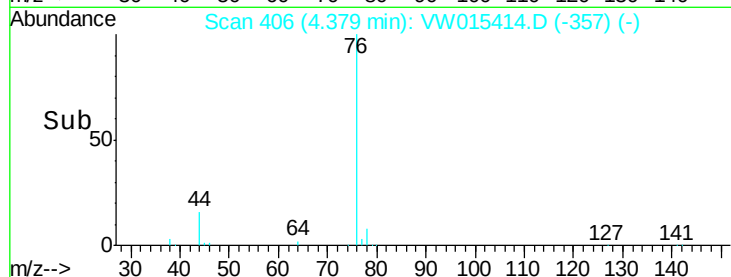
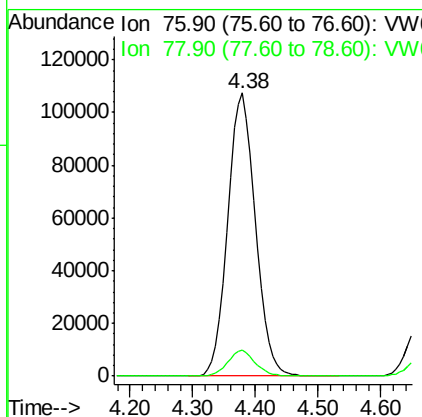
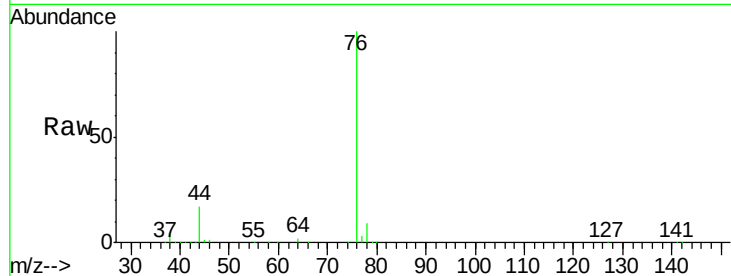




#17
Carbon Disulfide
Concen: 53.375 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

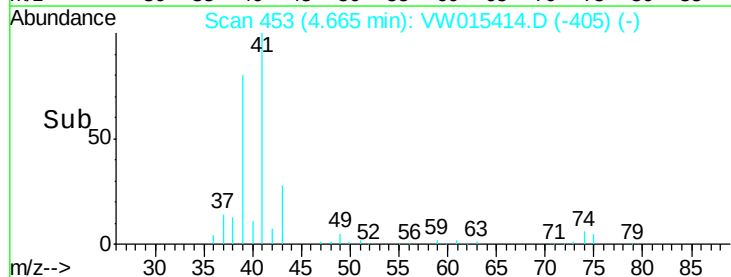
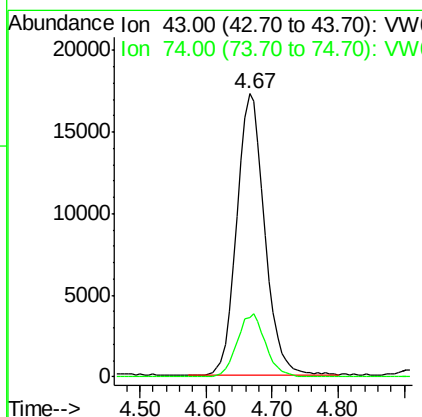
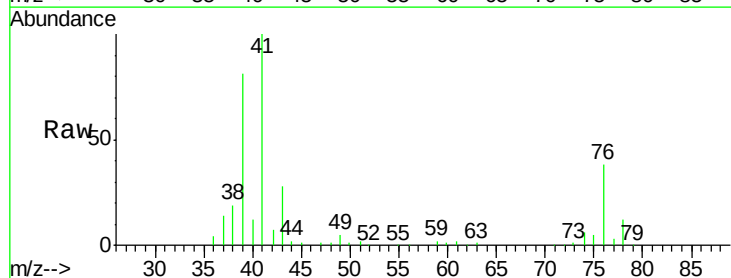
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

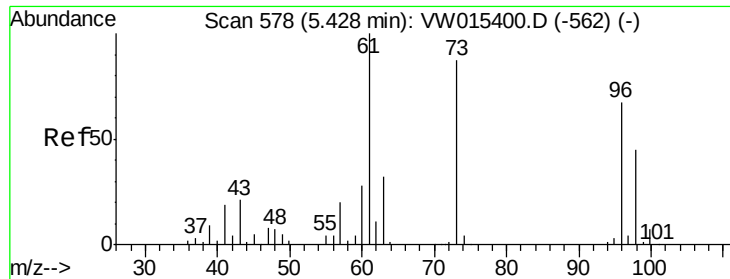
Tot Ion: 76 Resp: 328400
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 53.660 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion: 43 Resp: 50503
Ion Ratio Lower Upper
43 100
74 22.7 18.7 28.1

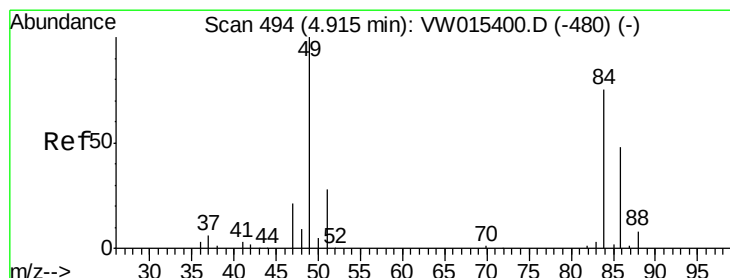
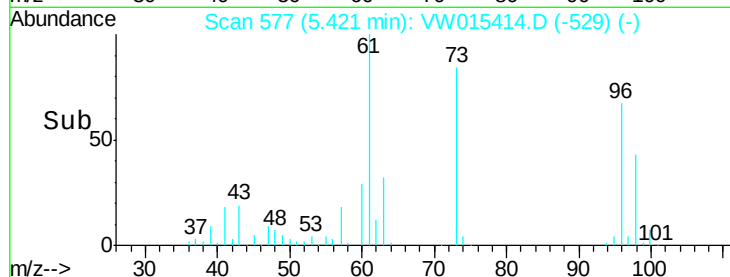
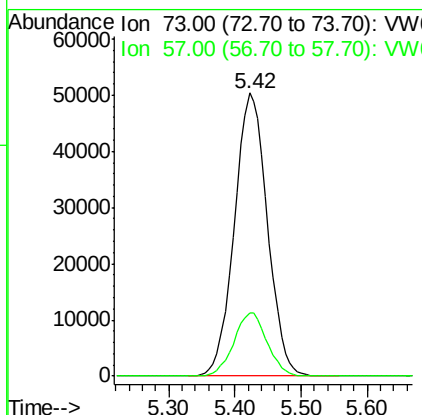
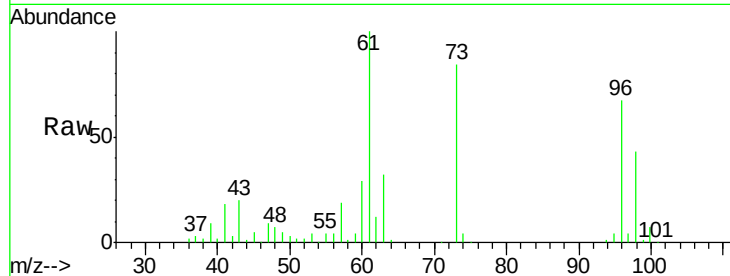




#19
Methyl tert-butyl Ether
Concen: 53.957 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

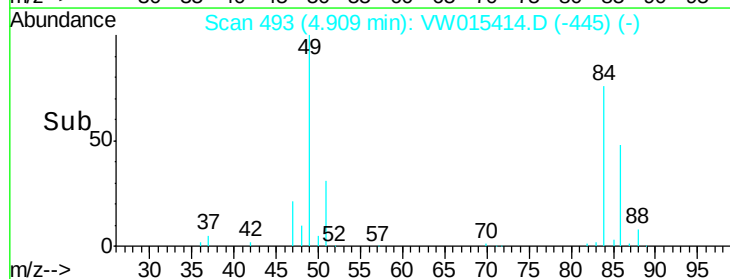
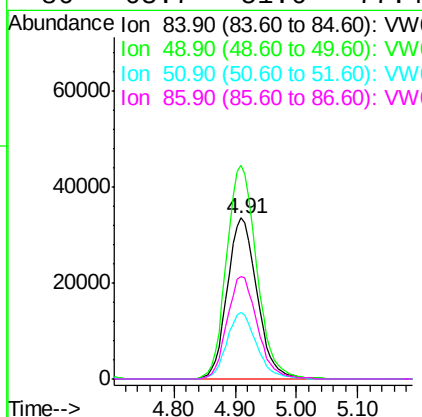
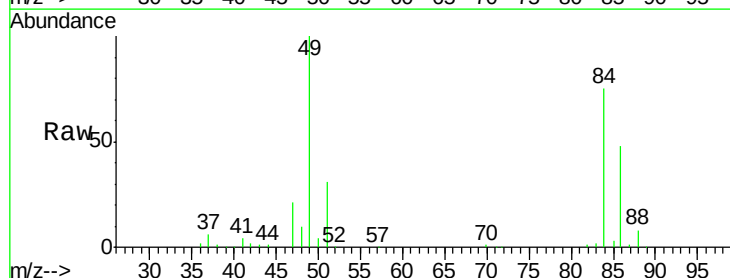
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

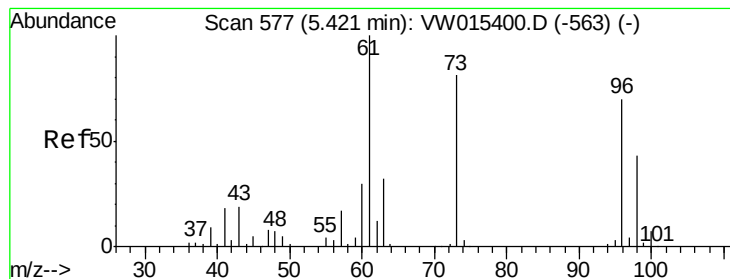
Tot Ion: 73 Resp: 173961
Ion Ratio Lower Upper
73 100
57 22.4 18.5 27.7



#20
Methylene Chloride
Concen: 48.812 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion: 84 Resp: 112910
Ion Ratio Lower Upper
84 100
49 132.9 106.4 159.6
51 41.2 30.2 45.2
86 63.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 53.472 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

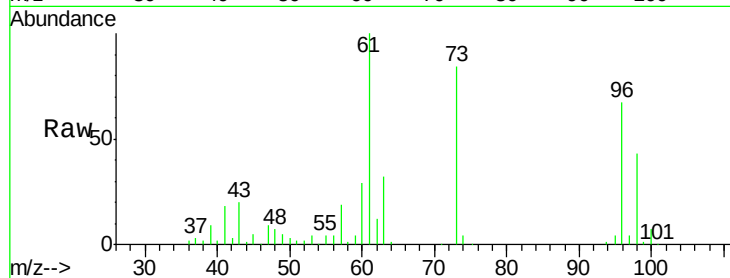
Tot Ion: 96 Resp: 121799

Ion Ratio Lower Upper

96 100

61 149.4 114.9 172.3

98 63.7 49.4 74.0

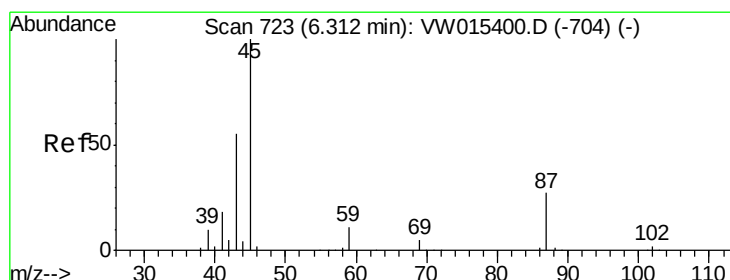
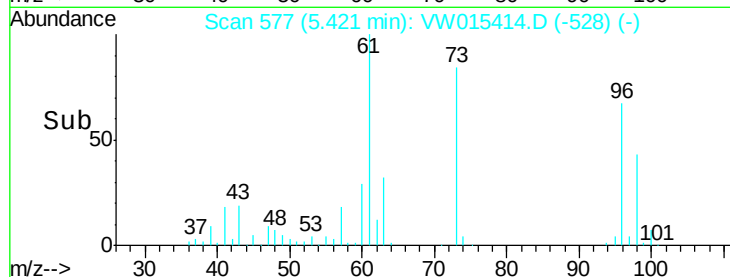
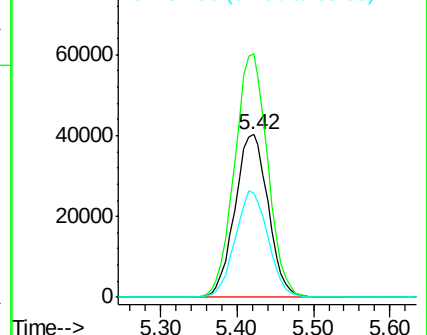


Abundance

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: 54.161 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Tgt Ion: 45 Resp: 372101

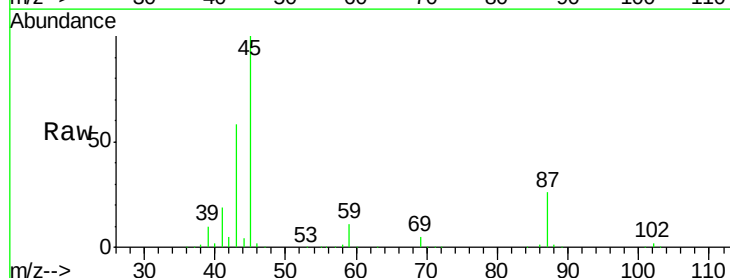
Ion Ratio Lower Upper

45 100

43 57.5 44.2 66.4

87 25.7 21.6 32.4

59 11.1 9.0 13.6



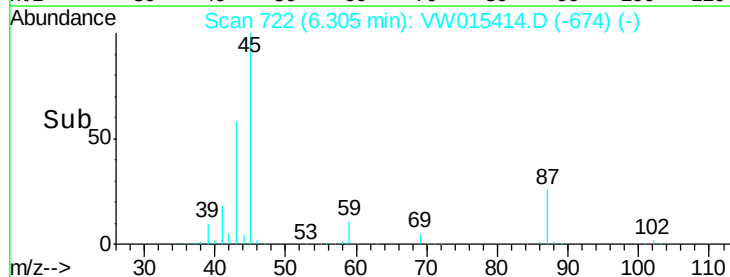
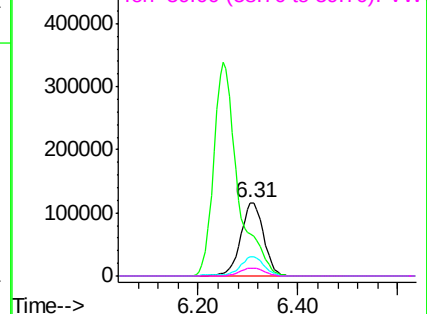
Abundance

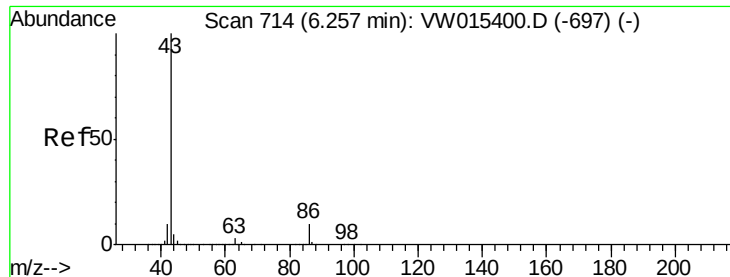
Ion 45.00 (44.70 to 45.70): VW

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: 271.208 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

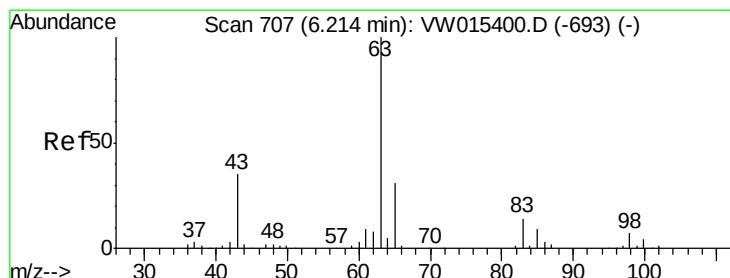
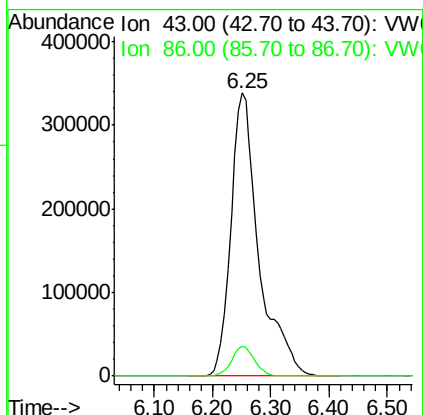
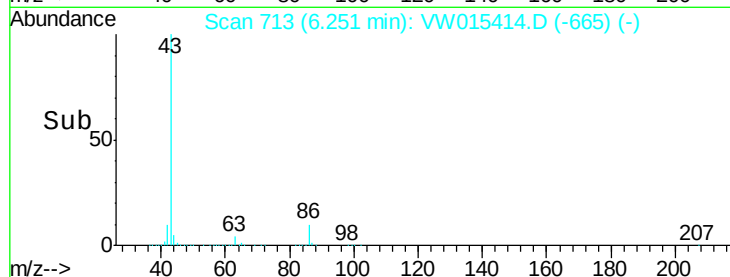
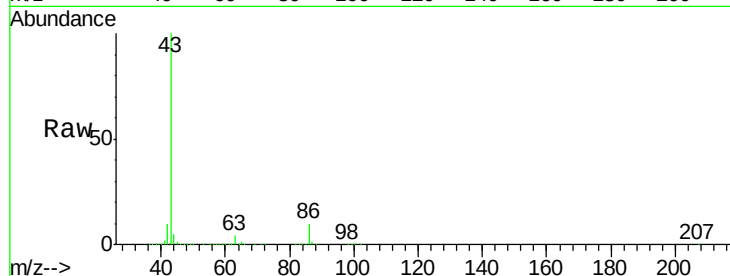
VSTDCCC050

Tot Ion: 43 Resp: 1132669

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



#24

1,1-Dichloroethane

Concen: 53.575 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

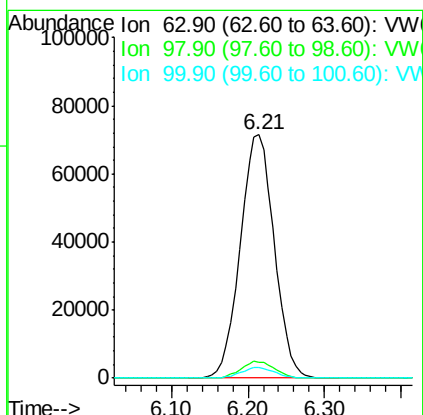
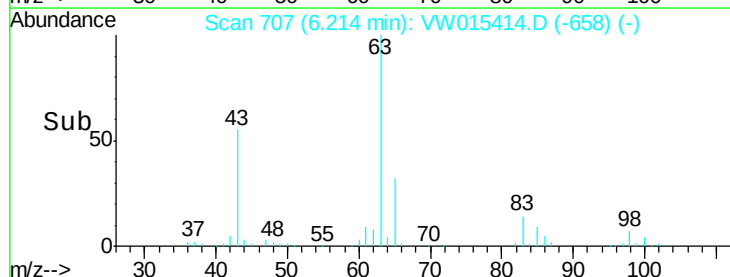
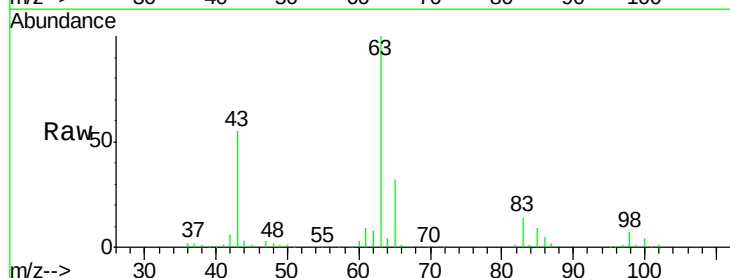
Tgt Ion: 63 Resp: 220663

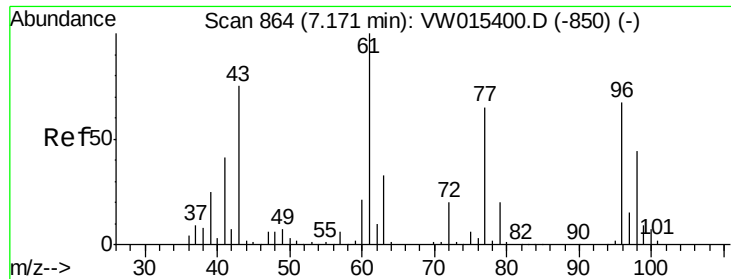
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.5 2.1 6.5

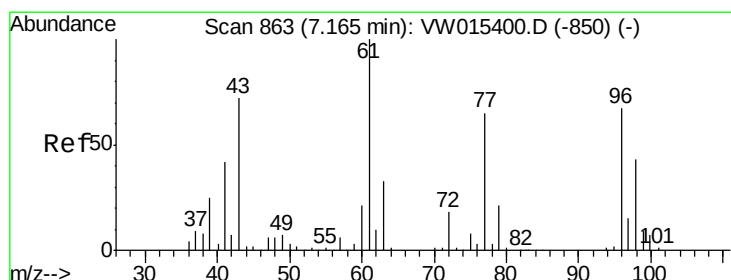
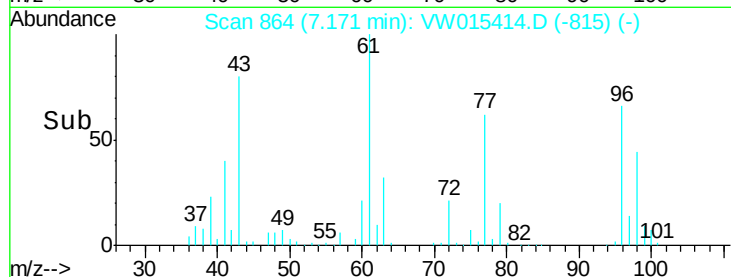
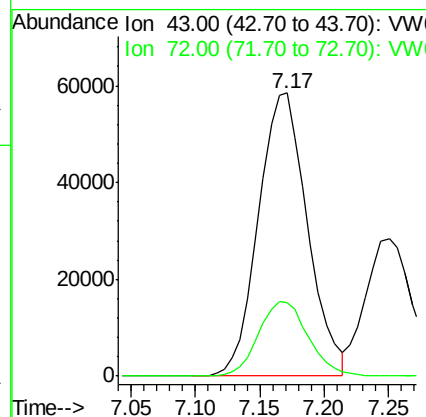
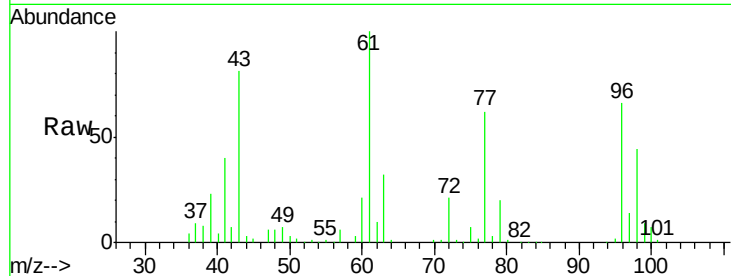




#25
2-Butanone
Concen: 278.741 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

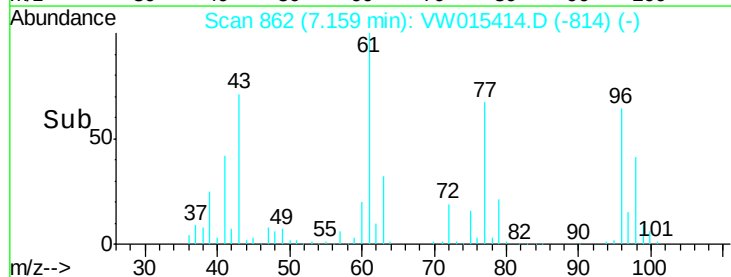
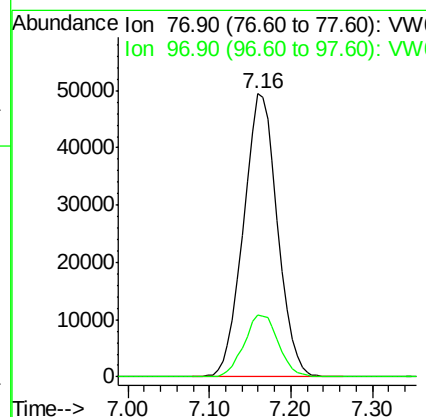
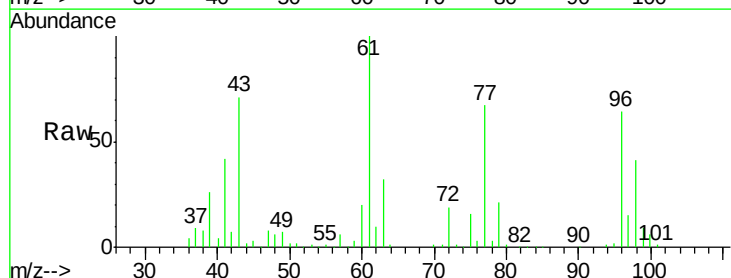
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

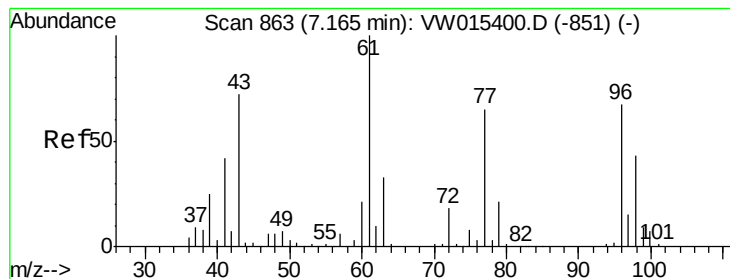
Tot Ion: 43 Resp: 154032
Ion Ratio Lower Upper
43 100
72 25.9 21.4 32.0



#26
2,2-Dichloropropane
Concen: 52.370 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion: 77 Resp: 142963
Ion Ratio Lower Upper
77 100
97 22.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 53.517 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

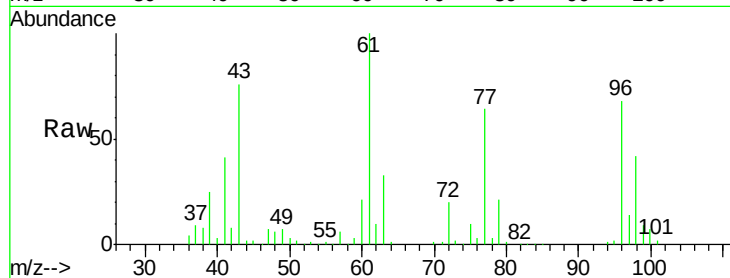
Tot Ion: 96 Resp: 132368

Ion Ratio Lower Upper

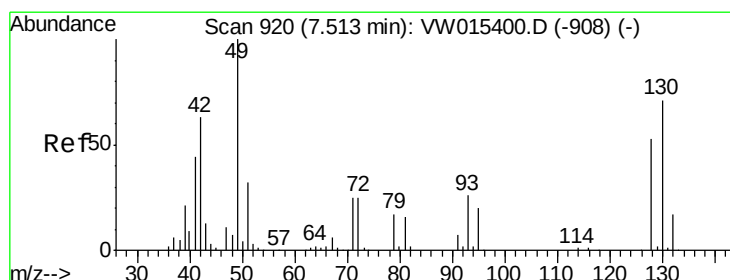
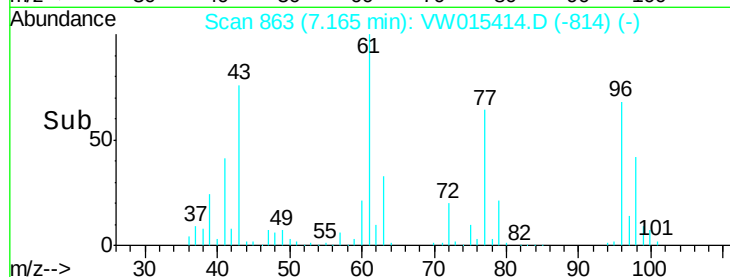
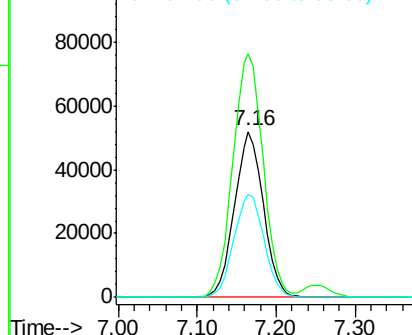
96 100

61 153.8 0.0 304.6

98 64.8 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: 52.100 ug/l

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

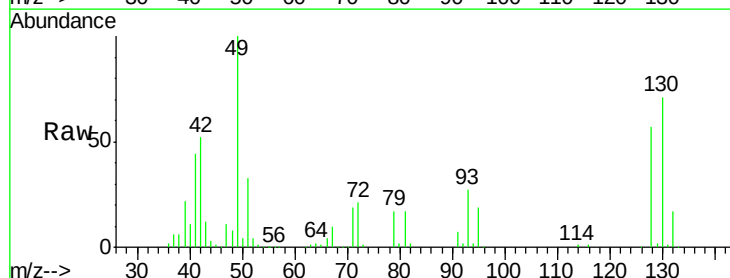
Tgt Ion: 49 Resp: 86284

Ion Ratio Lower Upper

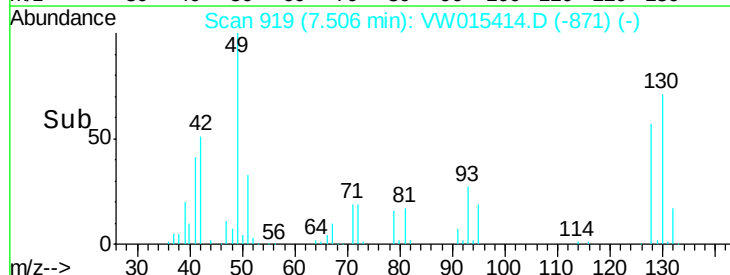
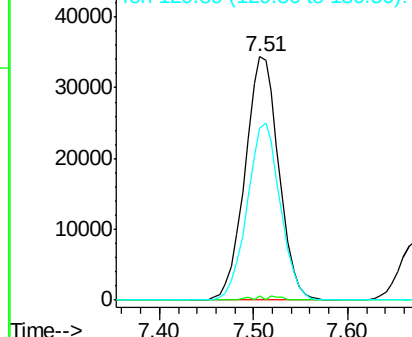
49 100

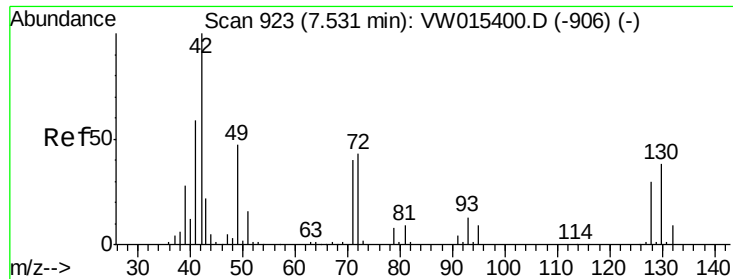
129 0.8 0.0 3.0

130 71.4 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

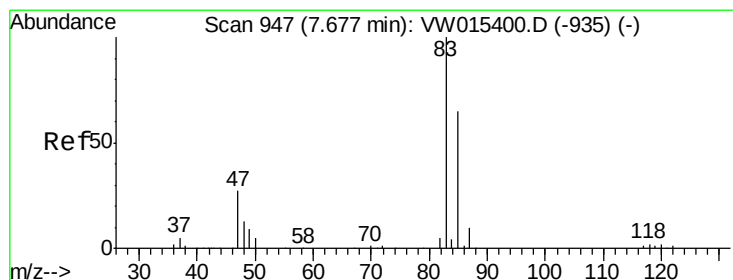
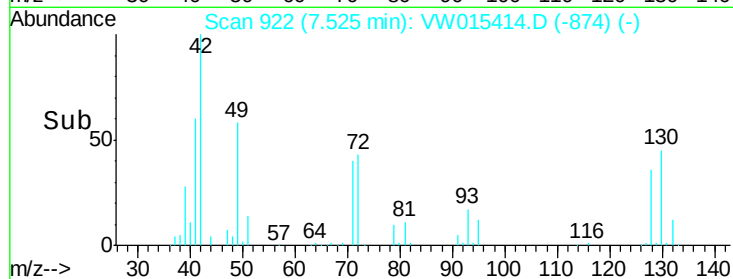
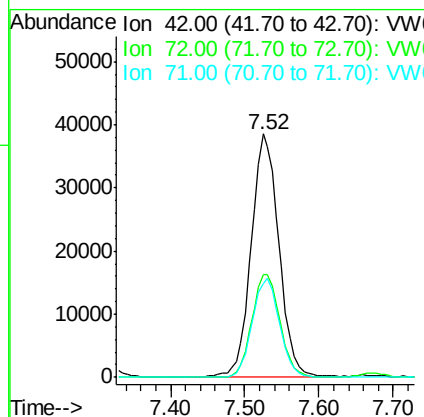
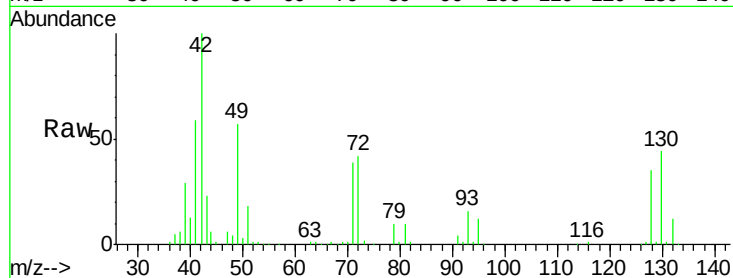




#29
Tetrahydrofuran
Concen: 277.242 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

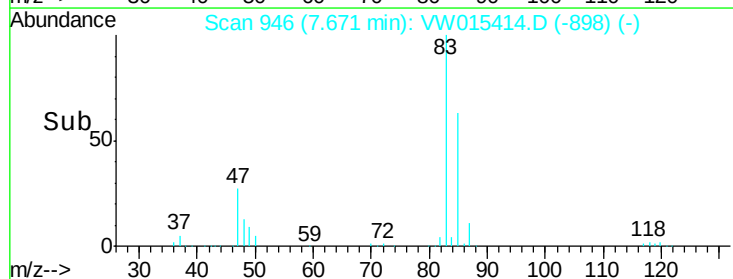
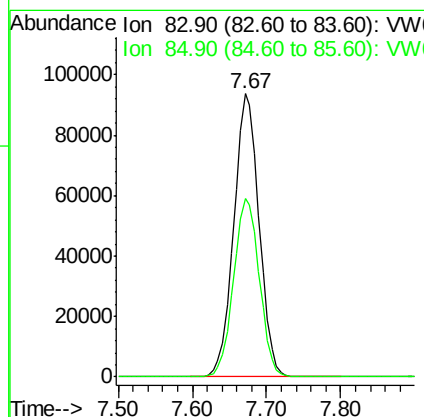
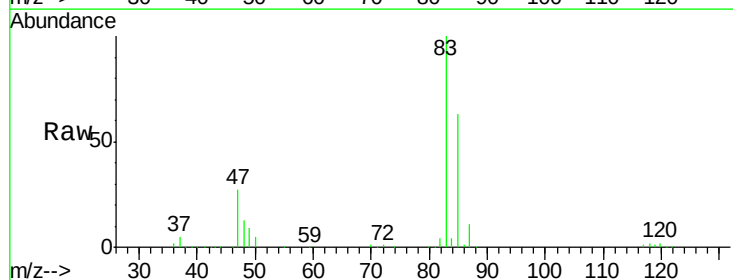
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

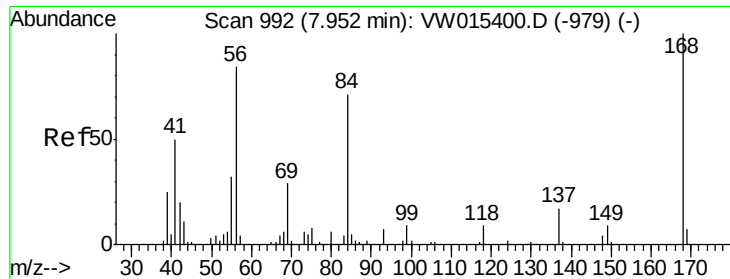
Tot Ion: 42 Resp: 100825
Ion Ratio Lower Upper
42 100
72 42.8 33.6 50.4
71 40.1 32.1 48.1



#30
Chloroform
Concen: 54.349 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion: 83 Resp: 222413
Ion Ratio Lower Upper
83 100
85 63.2 51.8 77.6

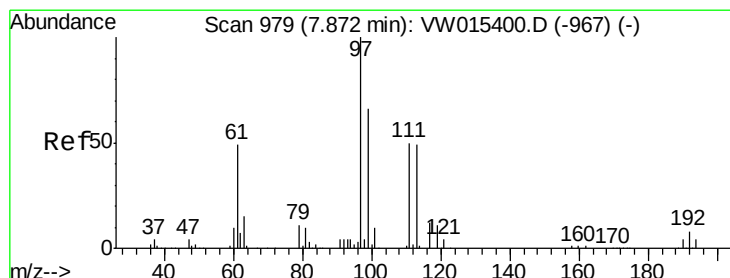
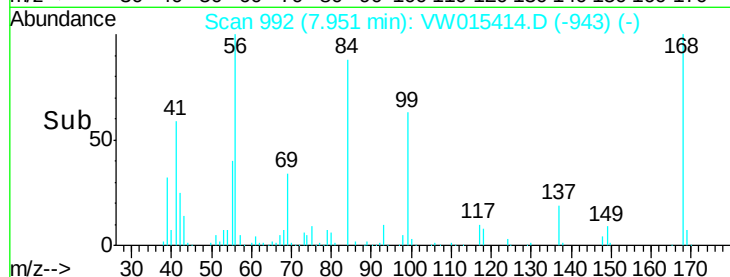
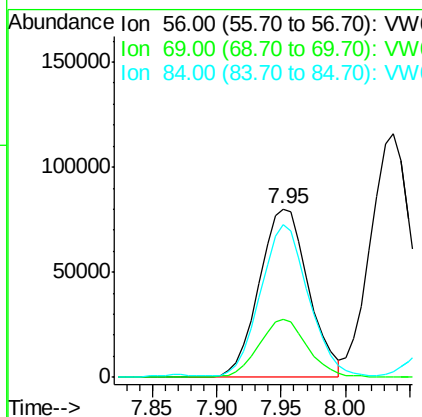
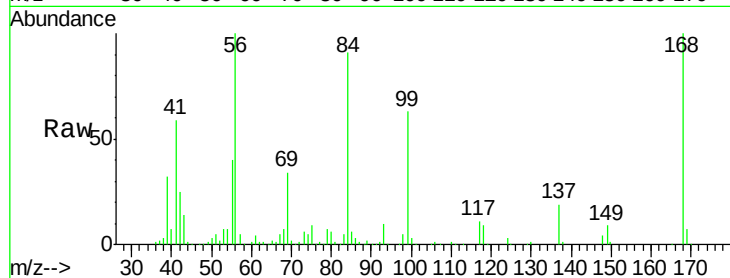




#31
Cyclohexane
Concen: 50.799 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

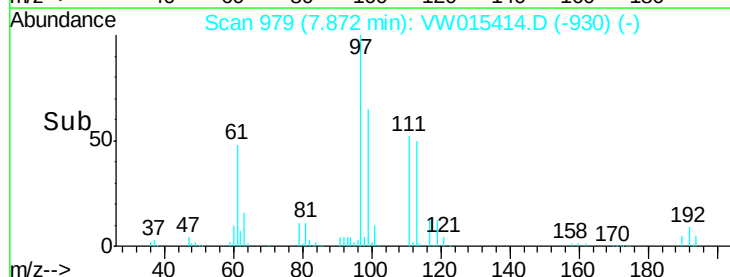
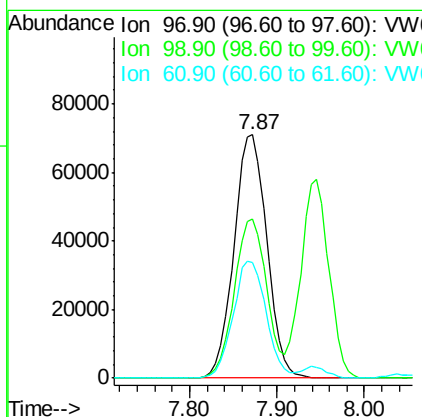
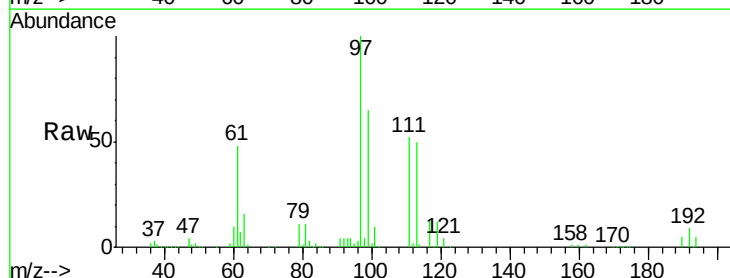
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

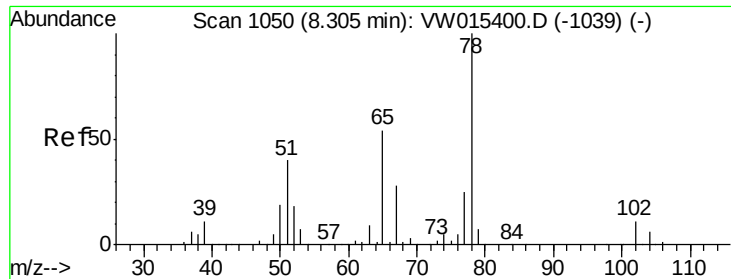
Tot Ion: 56 Resp: 212439
Ion Ratio Lower Upper
56 100
69 34.3 27.2 40.8
84 89.8 67.7 101.5



#32
1,1,1-Trichloroethane
Concen: 54.085 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion: 97 Resp: 186025
Ion Ratio Lower Upper
97 100
99 64.8 50.7 76.1
61 48.3 38.0 57.0

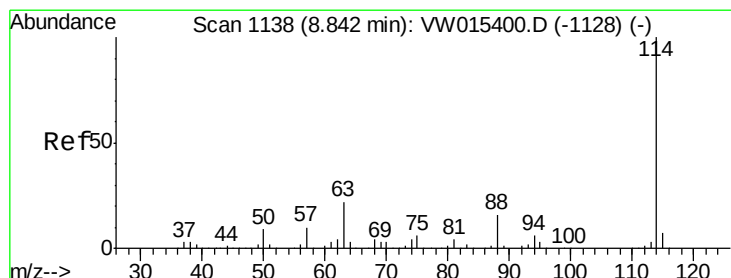
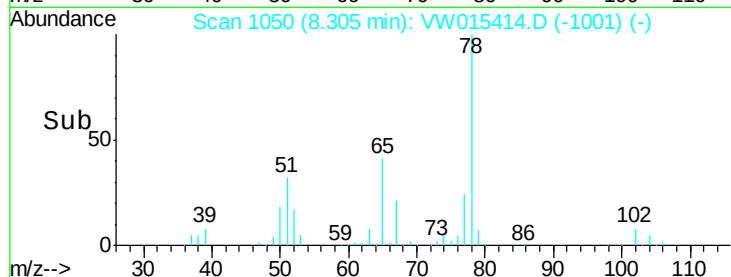
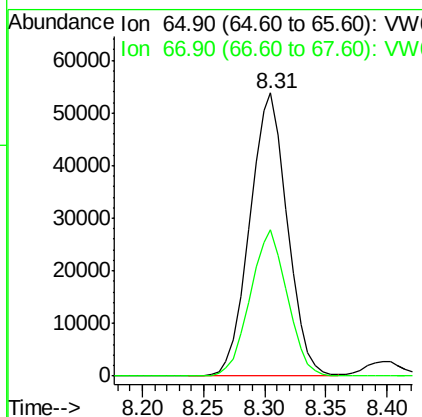
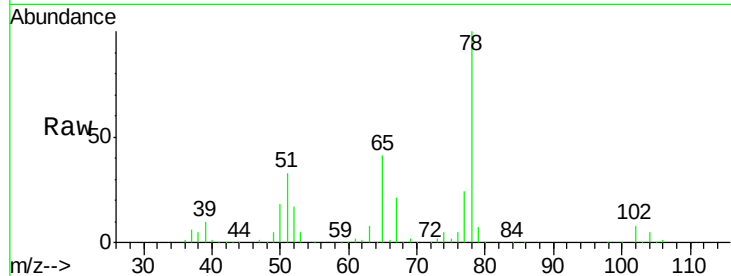




#33
 1,2-Dichloroethane-d4
 Concen: 50.274 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

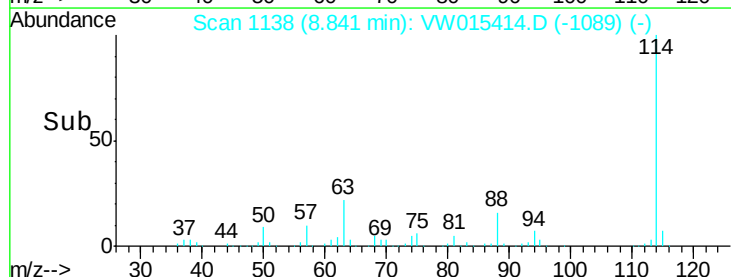
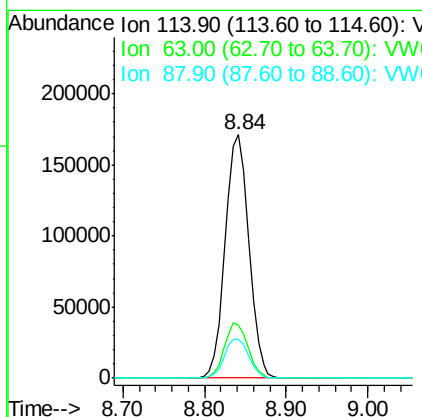
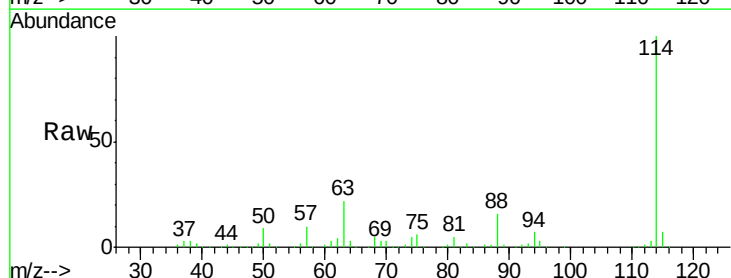
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

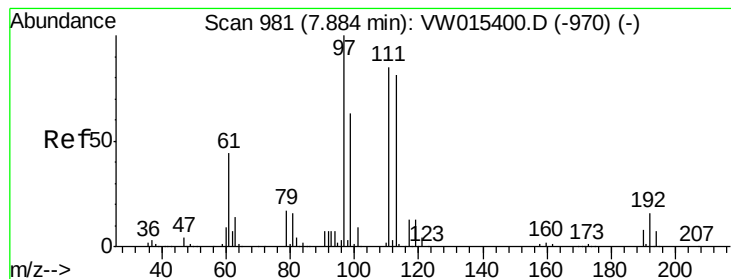
Tot Ion: 65 Resp: 114732
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion: 114 Resp: 342058
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.466 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

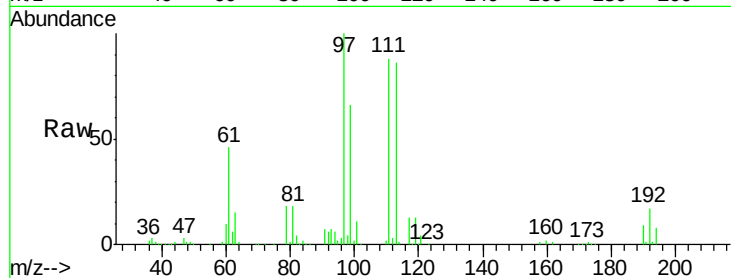
Tot Ion:113 Resp: 101042

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

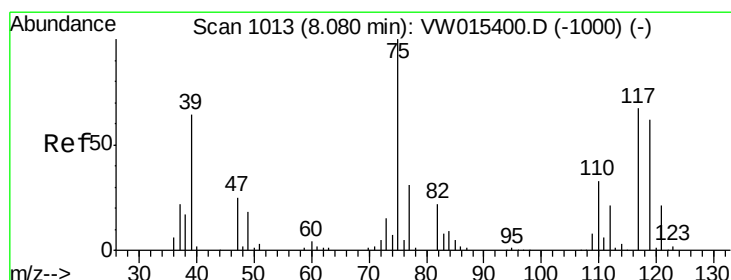
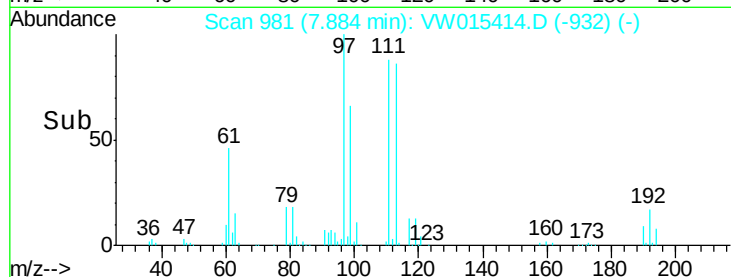
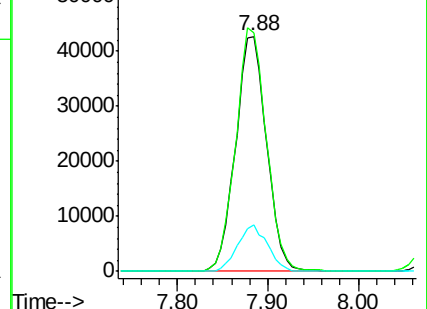
192 18.8 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 54.287 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

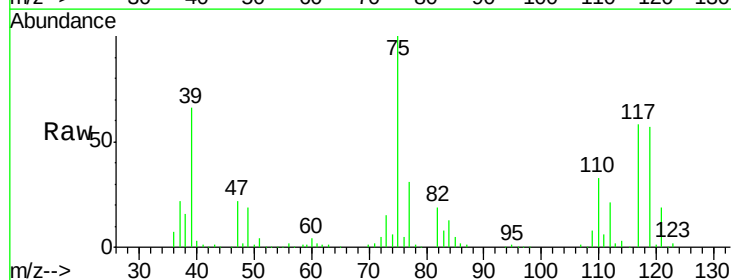
Tgt Ion: 75 Resp: 182441

Ion Ratio Lower Upper

75 100

110 32.9 16.6 49.8

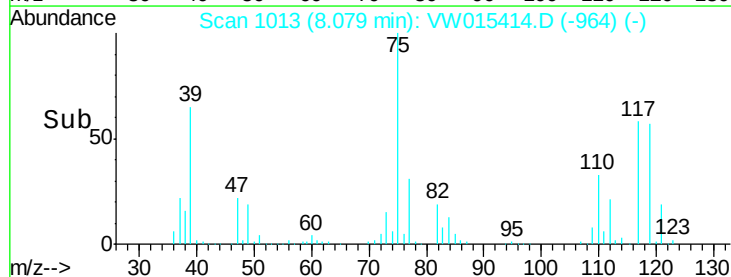
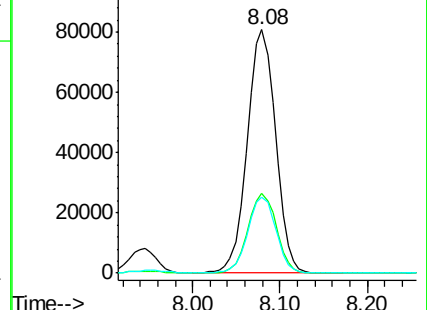
77 31.2 24.5 36.7

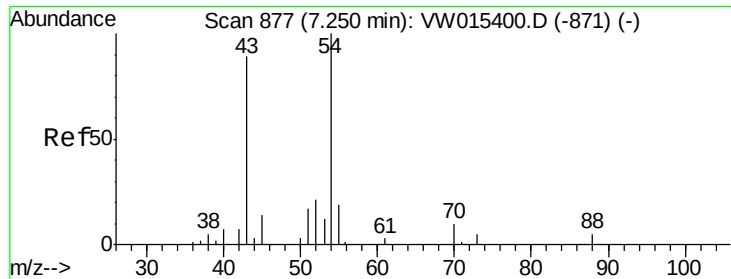


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

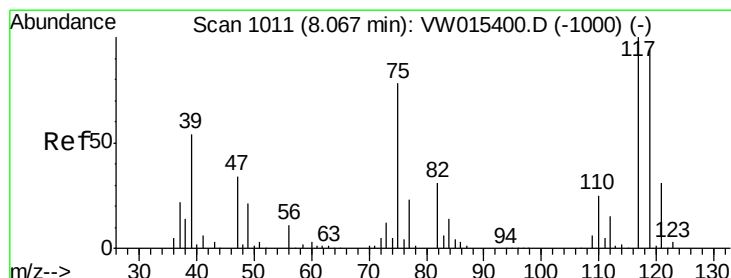
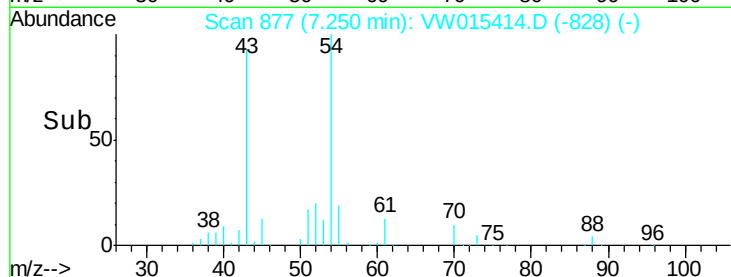
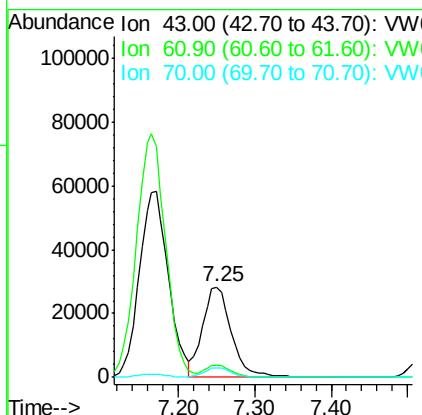
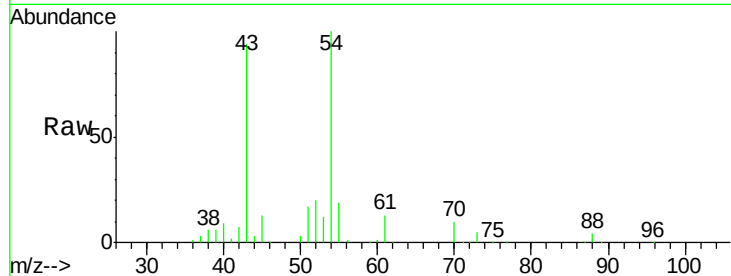




#37
Ethyl Acetate
Concen: 56.286 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

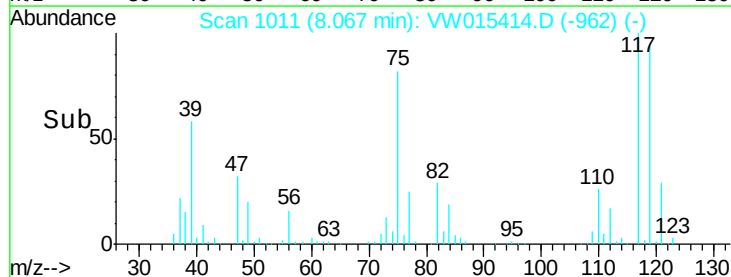
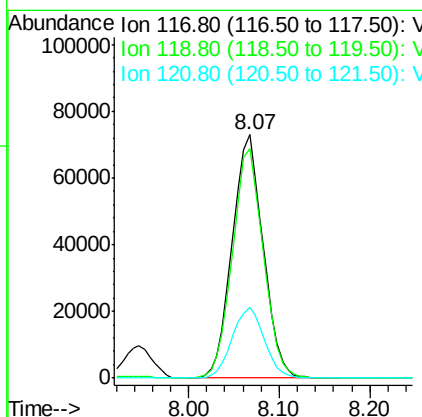
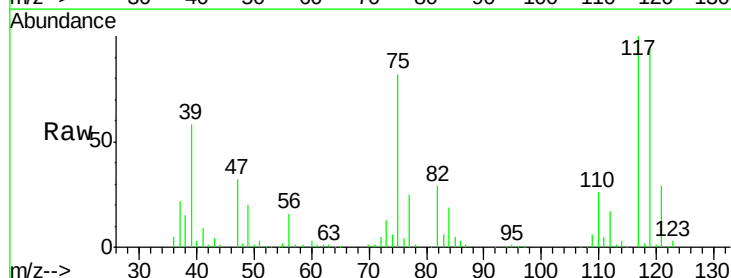
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

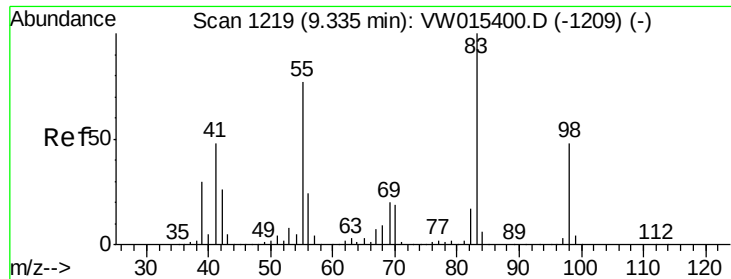
Tot Ion: 43 Resp: 73397
Ion Ratio Lower Upper
43 100
61 13.0 10.2 15.2
70 10.1 8.0 12.0



#38
Carbon Tetrachloride
Concen: 55.048 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion: 117 Resp: 172949
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.0
121 28.8 24.8 37.2

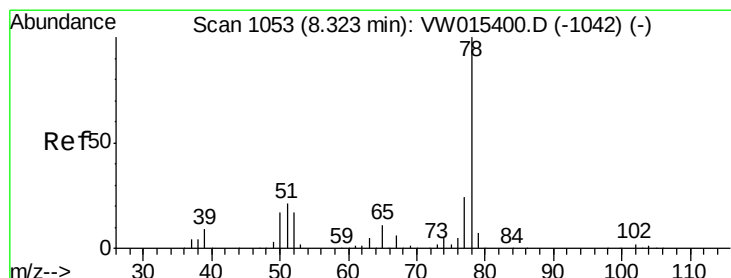
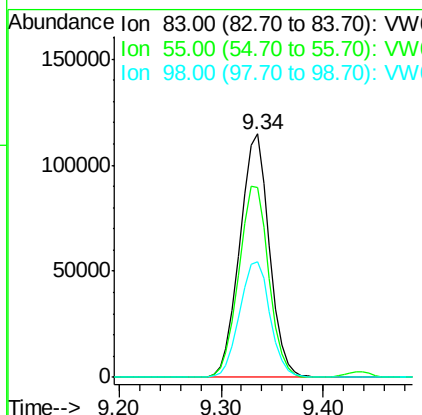
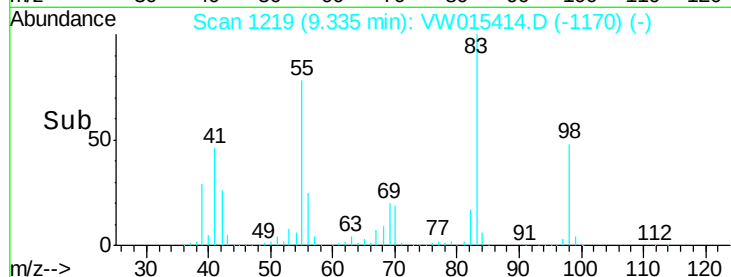
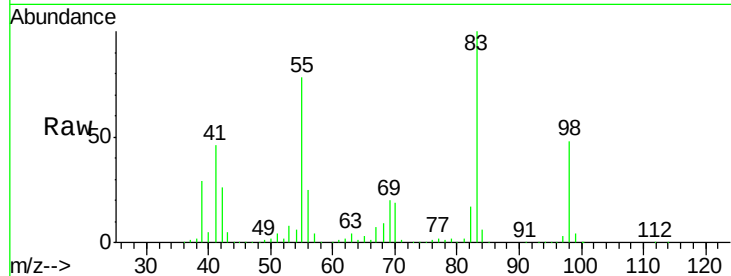




#39
Methylvlcyclohexane
Concen: 54.260 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

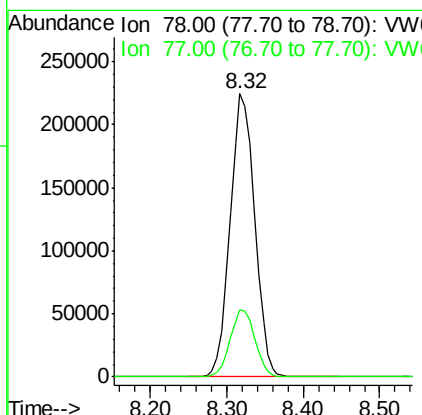
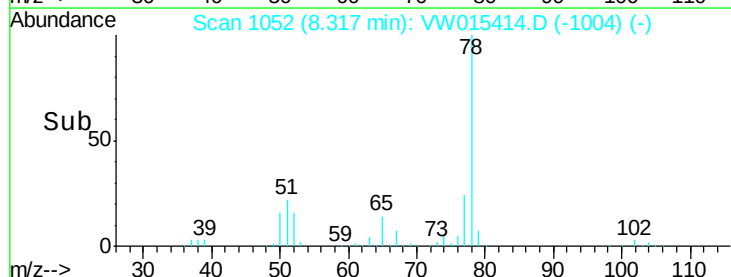
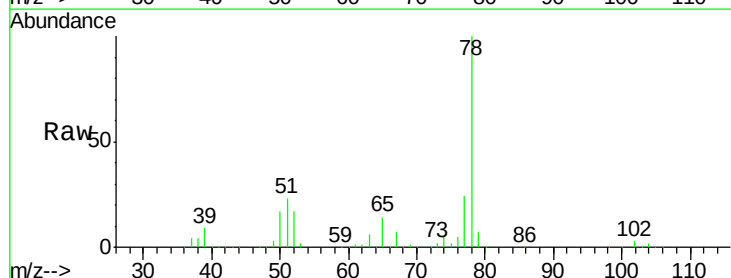
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

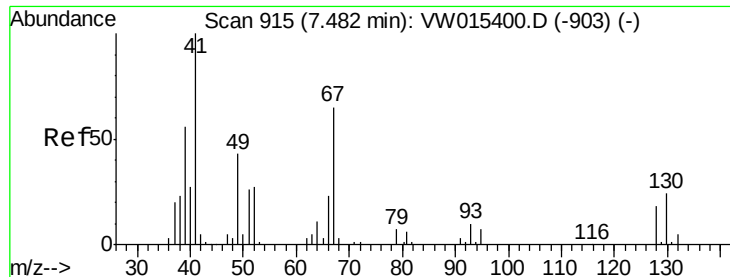
Tot Ion: 83 Resp: 230823
Ion Ratio Lower Upper
83 100
55 78.0 61.9 92.9
98 47.7 38.2 57.2



#40
Benzene
Concen: 54.433 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion: 78 Resp: 498915
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

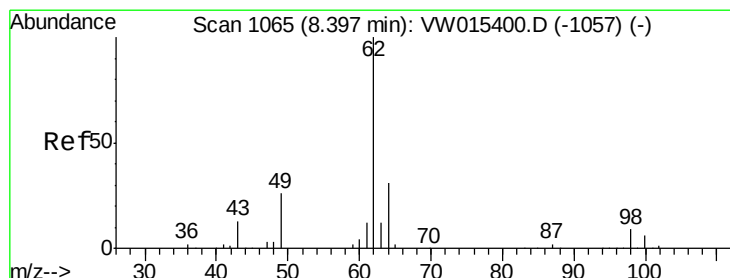
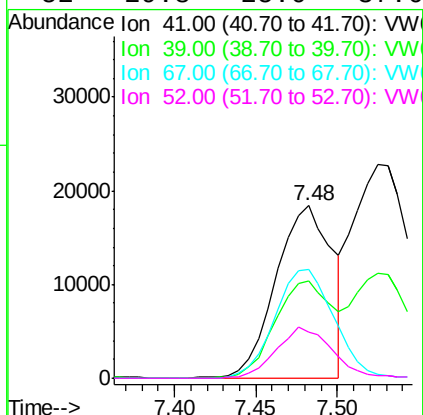
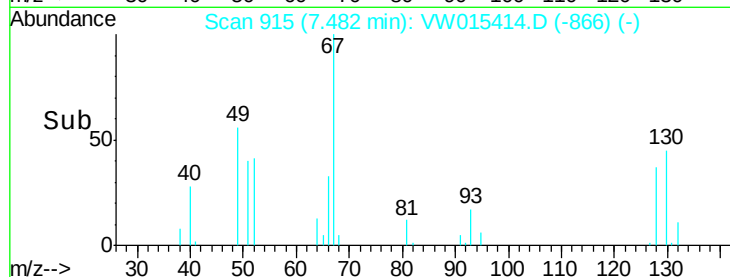
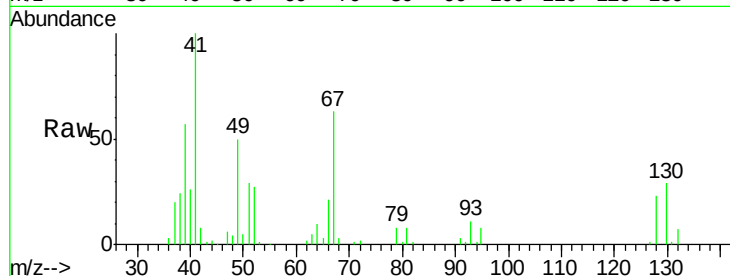




#41
Methacrylonitrile
Concen: 53.770 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

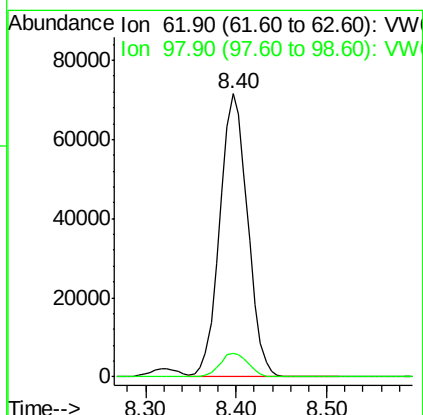
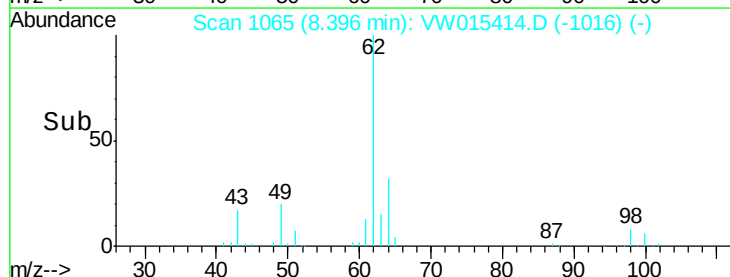
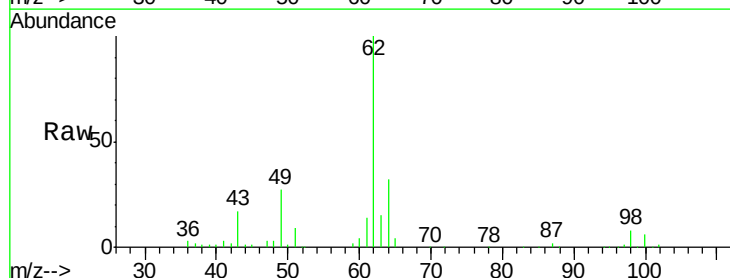
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

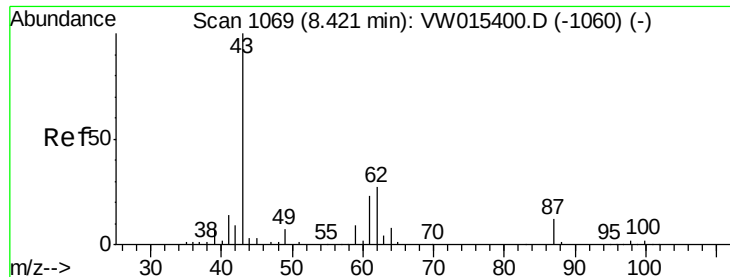
Tot Ion:	41	Resp:	44302
Ion	Ratio	Lower	Upper
41	100		
39	57.0	46.2	69.4
67	66.3	56.2	84.2
52	29.8	25.0	37.6



#42
1,2-Dichloroethane
Concen: 54.889 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion:	62	Resp:	153234
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6





#43

Isopropyl Acetate

Concen: 54.551 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

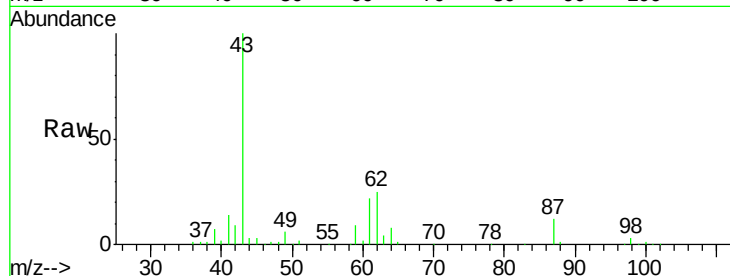
Tot Ion: 43 Resp: 149602

Ion Ratio Lower Upper

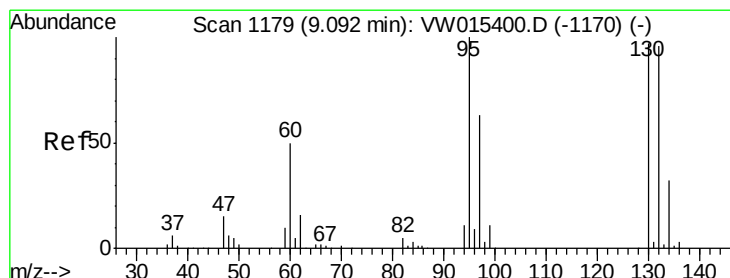
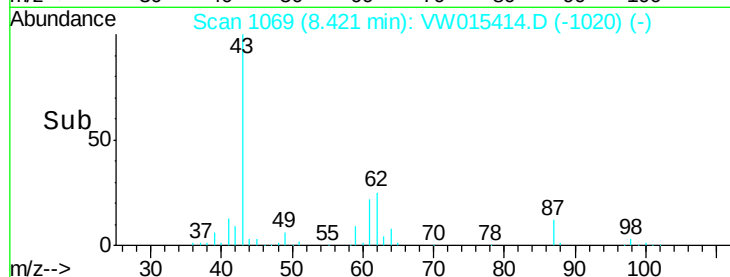
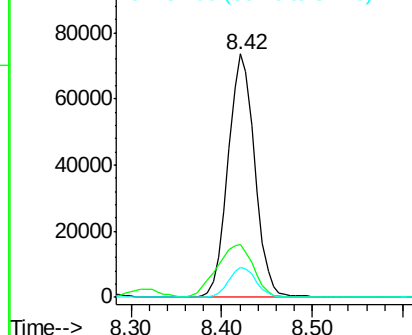
43 100

61 30.1 24.3 36.5

87 12.5 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: 54.636 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015414.D

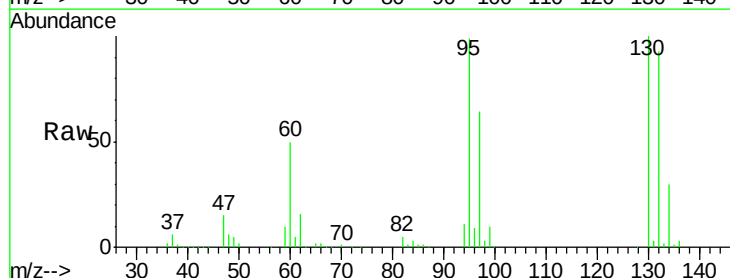
Acq: 07 May 2020 12:13

Tgt Ion: 130 Resp: 129793

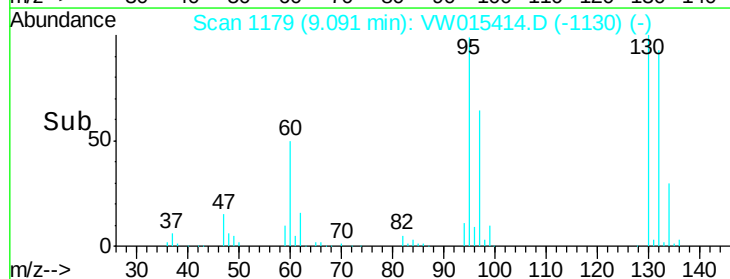
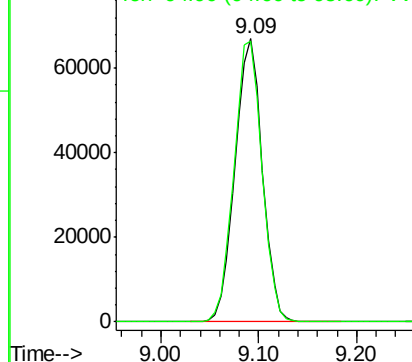
Ion Ratio Lower Upper

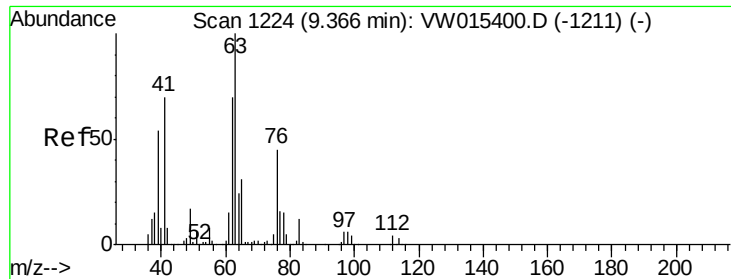
130 100

95 99.0 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: 54.954 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

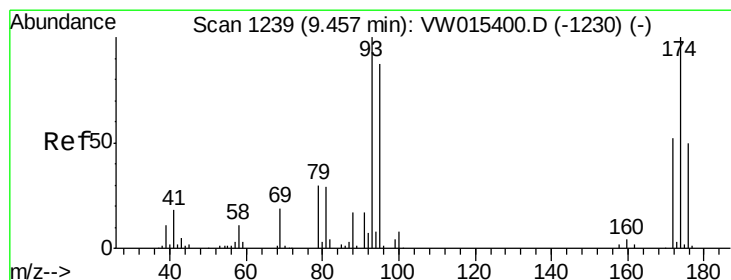
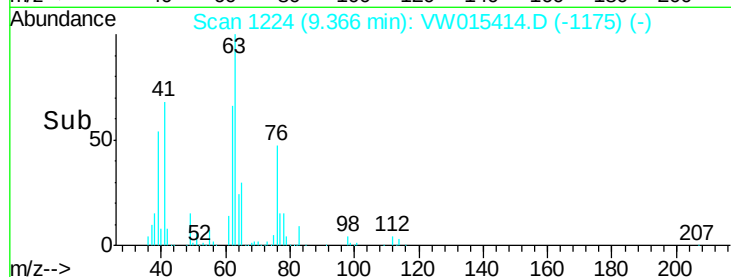
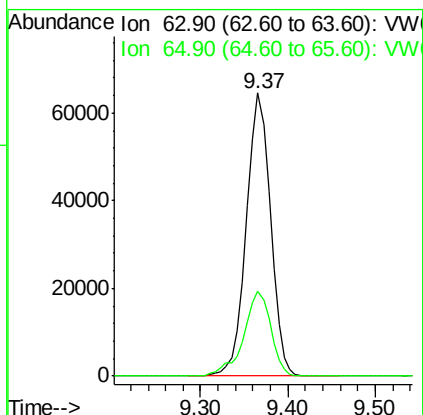
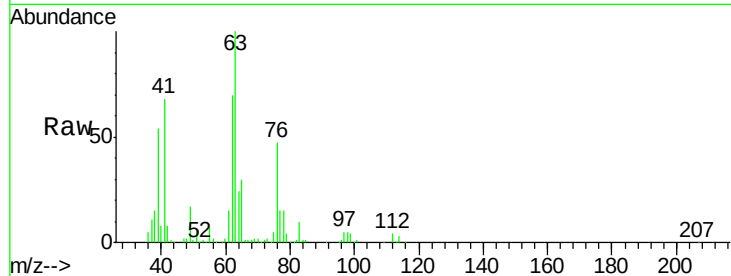
VSTDCCC050

Tot Ion: 63 Resp: 124429

Ion Ratio Lower Upper

63 100

65 30.1 25.0 37.6



#46

Dibromomethane

Concen: 54.911 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

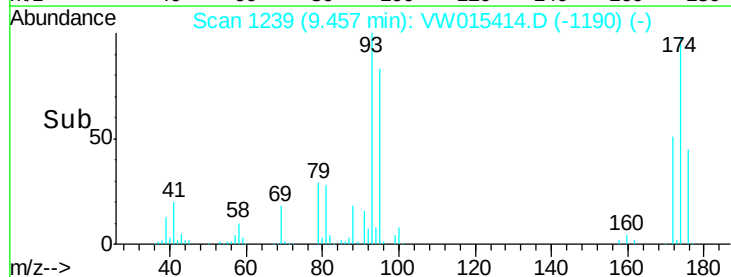
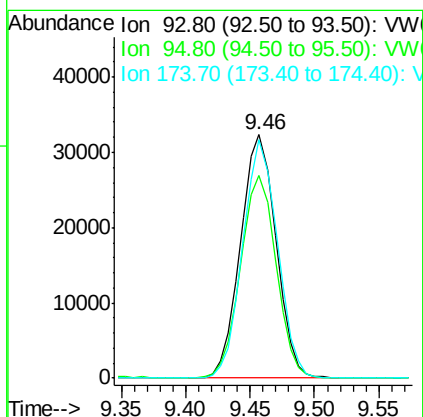
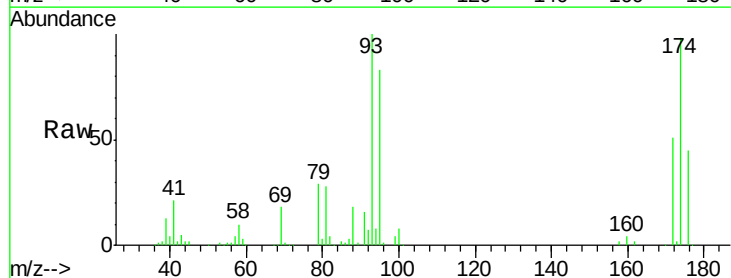
Tgt Ion: 93 Resp: 61838

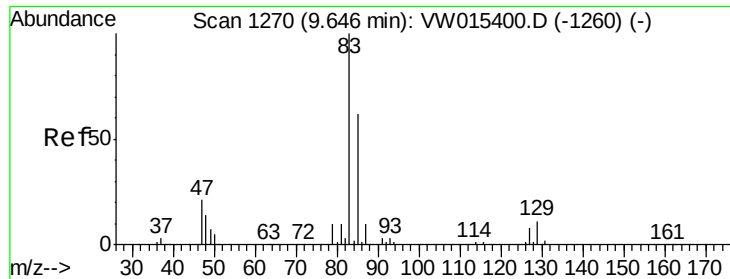
Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.4

174 95.8 78.4 117.6





#47

Bromodichloromethane

Concen: 55.176 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

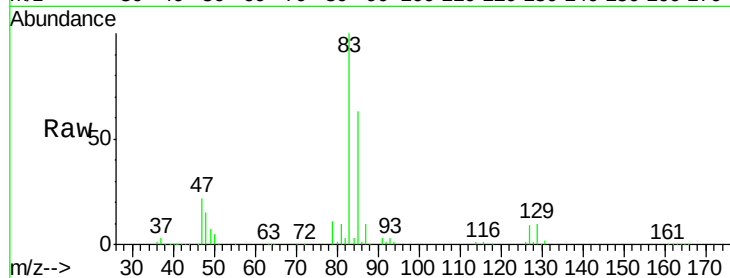
Tot Ion: 83 Resp: 169342

Ion Ratio Lower Upper

83 100

85 63.0 49.4 74.0

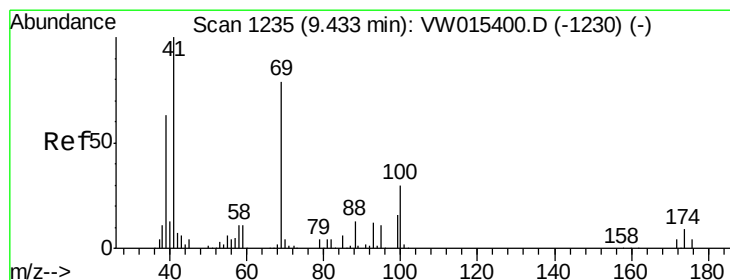
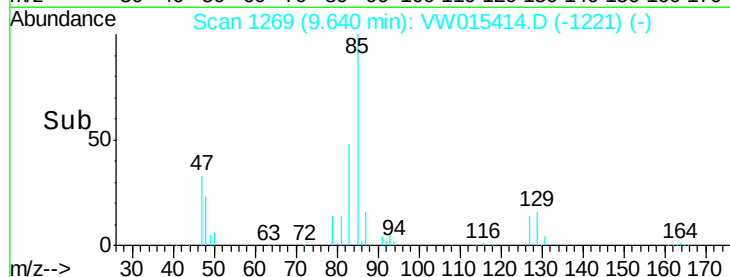
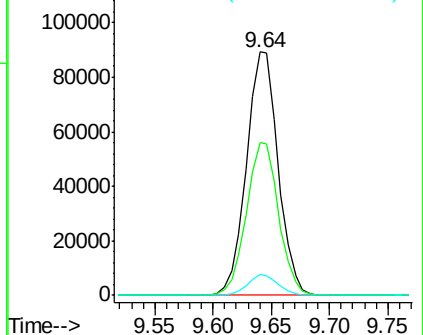
127 8.6 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.628 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

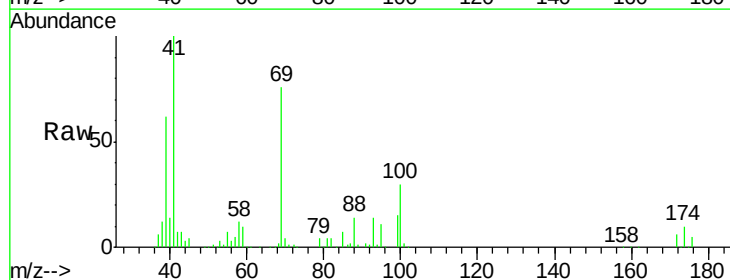
Tgt Ion: 41 Resp: 70468

Ion Ratio Lower Upper

41 100

69 82.9 66.2 99.4

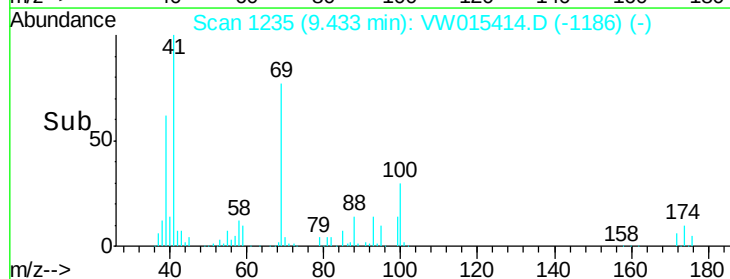
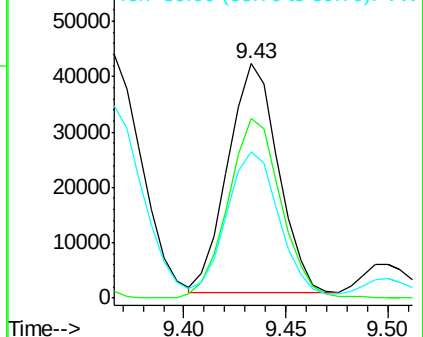
39 63.6 51.1 76.7

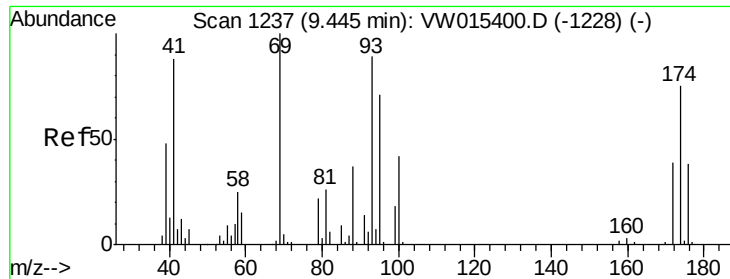


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1286.530 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

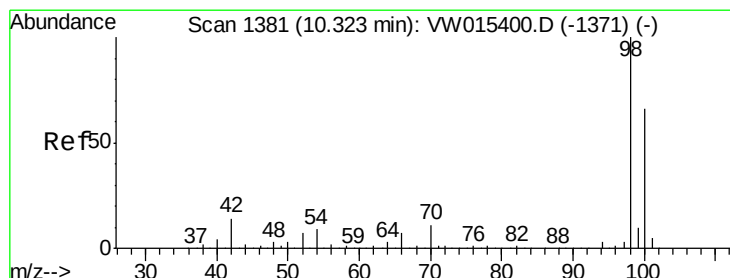
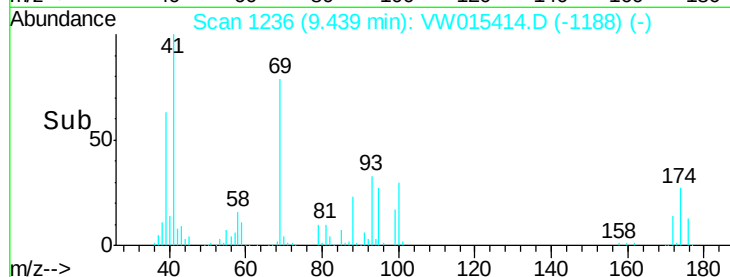
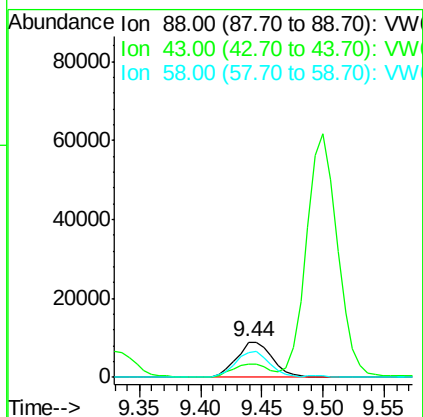
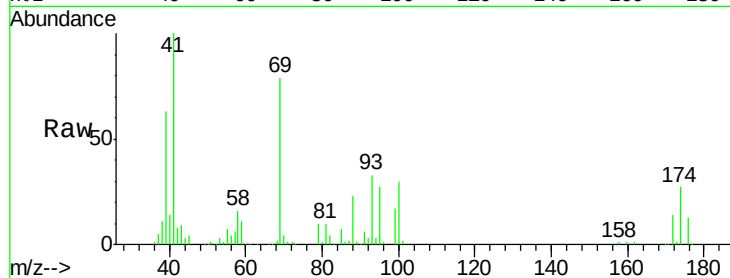
Tot Ion: 88 Resp: 18233

Ion Ratio Lower Upper

88 100

43 38.2 30.6 45.8

58 71.6 56.3 84.5



#50

Toluene-d8

Concen: 51.059 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015414.D

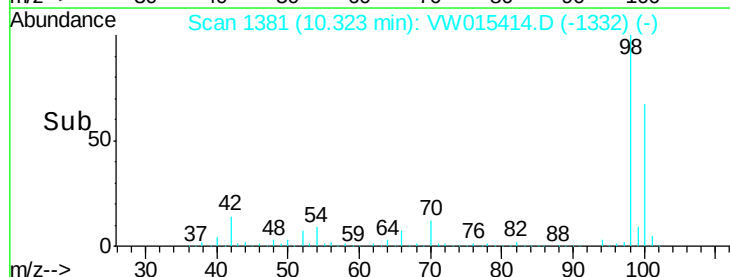
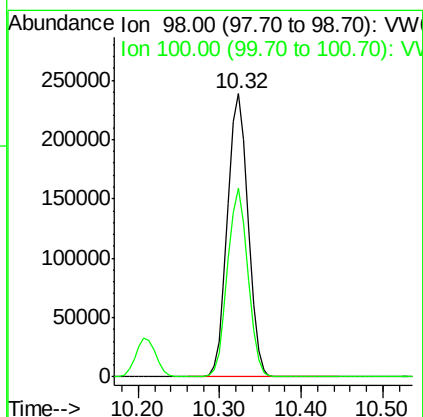
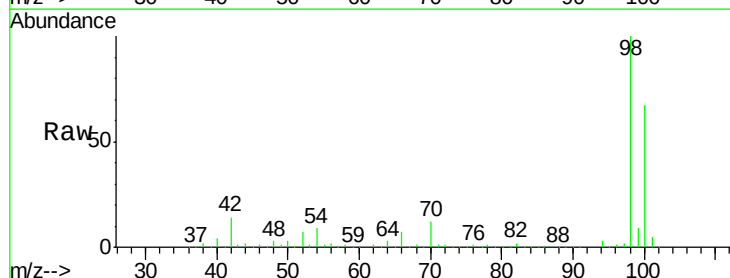
Acq: 07 May 2020 12:13

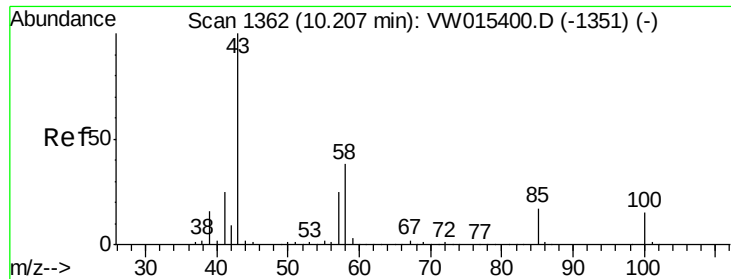
Tgt Ion: 98 Resp: 414838

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 284.470 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

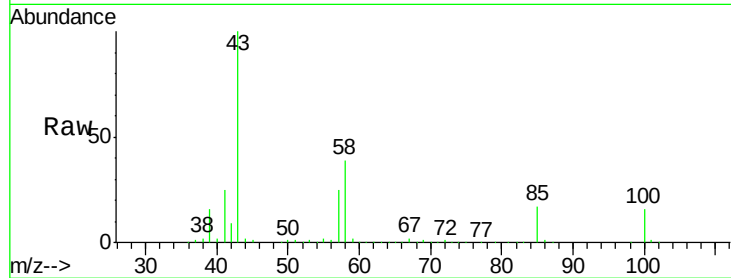
VSTDCCC050

Tot Ion: 43 Resp: 365612

Ion Ratio Lower Upper

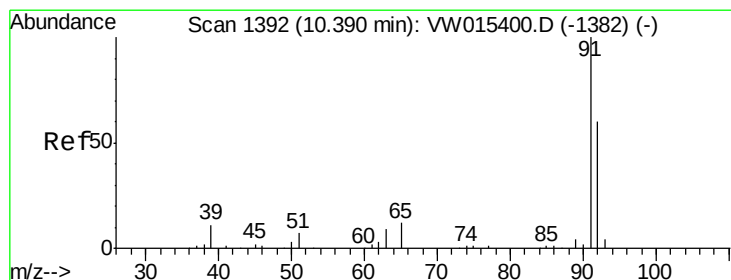
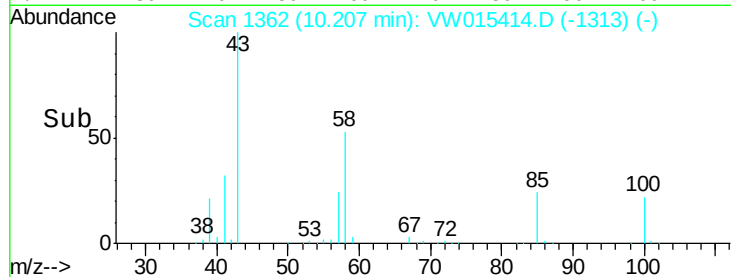
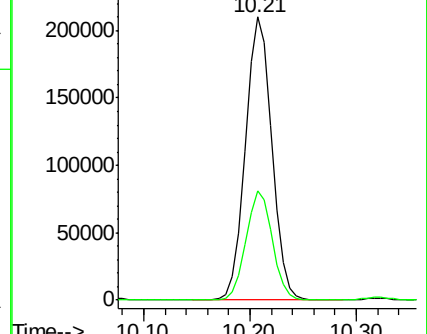
43 100

58 38.4 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 54.357 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015414.D

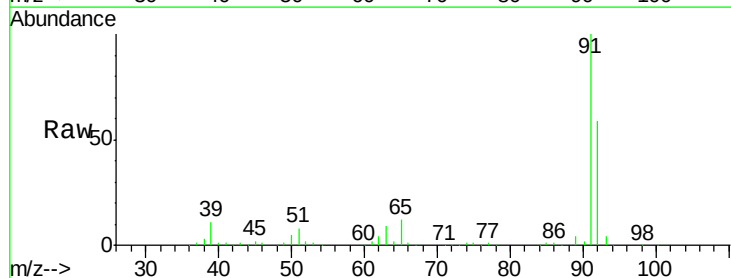
Acq: 07 May 2020 12:13

Tgt Ion: 92 Resp: 323763

Ion Ratio Lower Upper

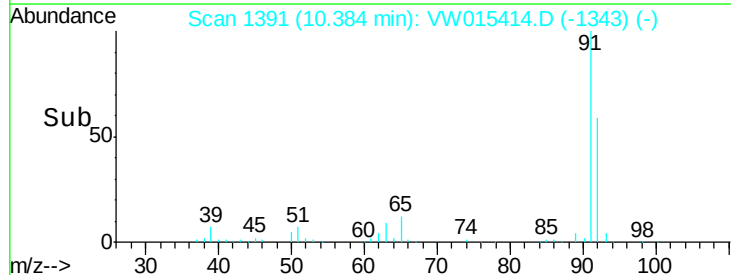
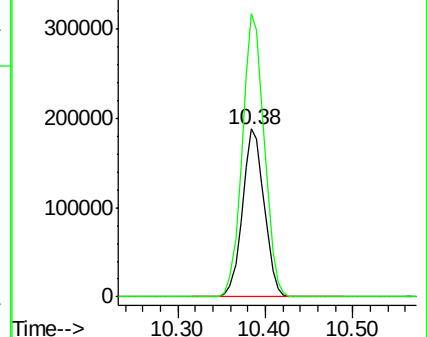
92 100

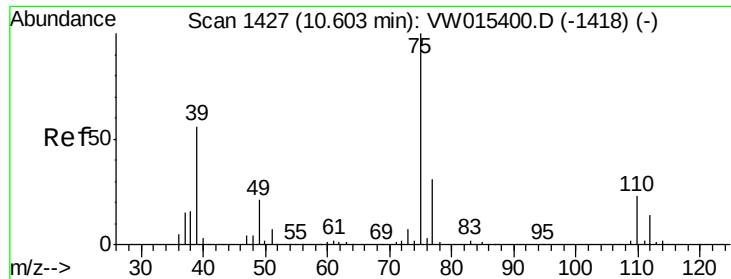
91 170.9 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

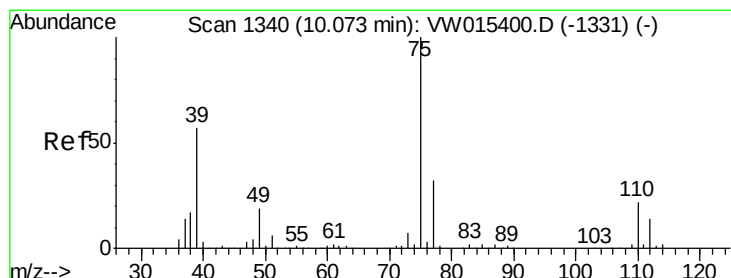
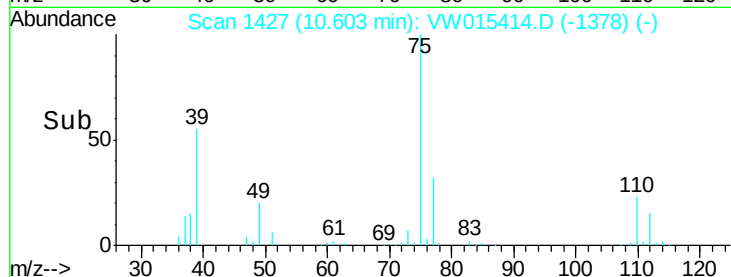
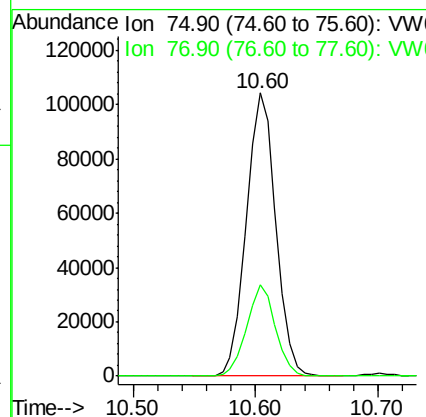
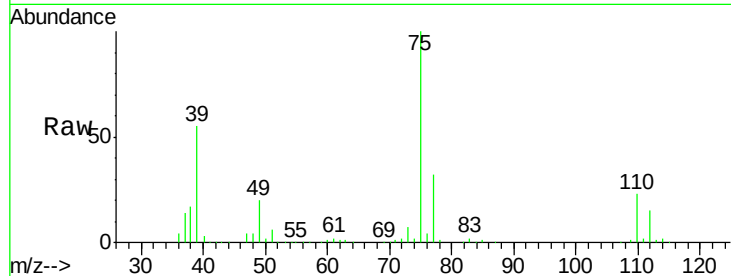




#53
 t-1,3-Dichloropropene
 Concen: 55.652 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

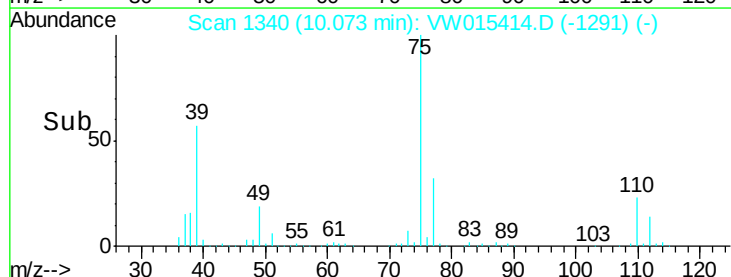
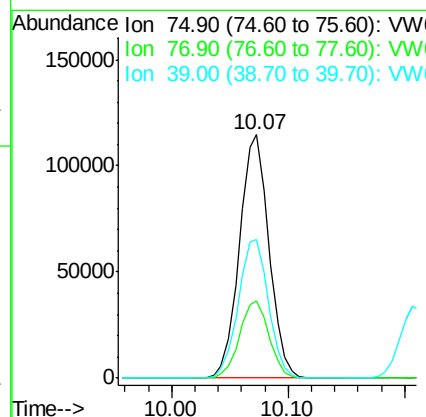
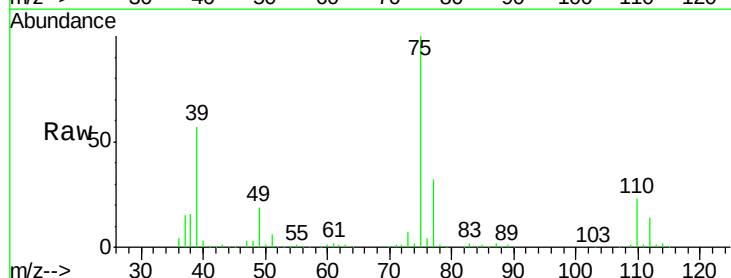
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

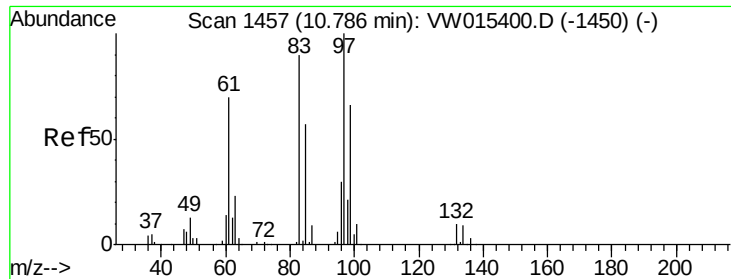
Tot Ion: 75 Resp: 174343
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 54.895 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion: 75 Resp: 202487
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.6 38.4
 39 56.9 45.6 68.4

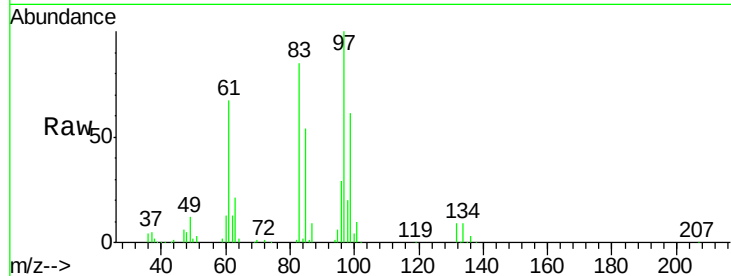




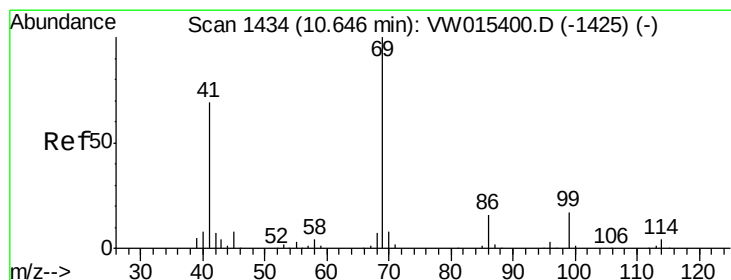
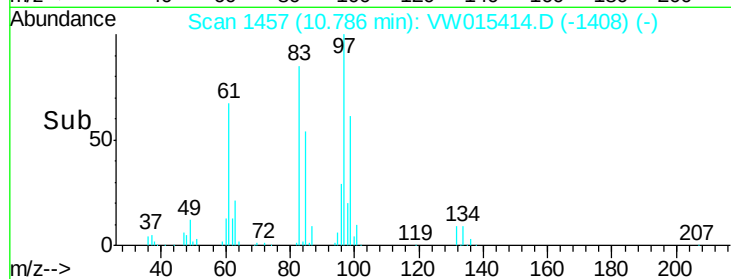
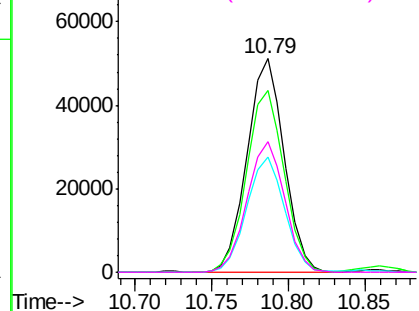
#55
 1,1,2-Trichloroethane
 Concen: 54.326 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	86513
Ion	Ratio	Lower	Upper
97	100		
83	84.9	72.2	108.4
85	54.2	45.2	67.8
99	61.3	52.6	78.8

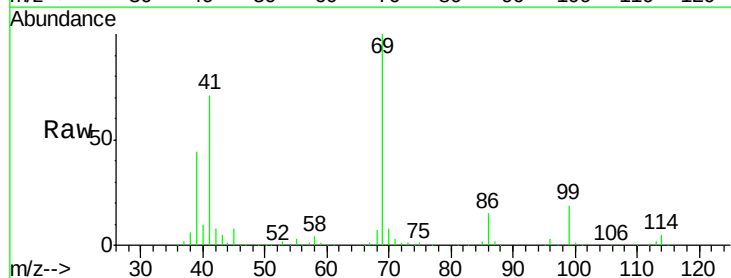


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

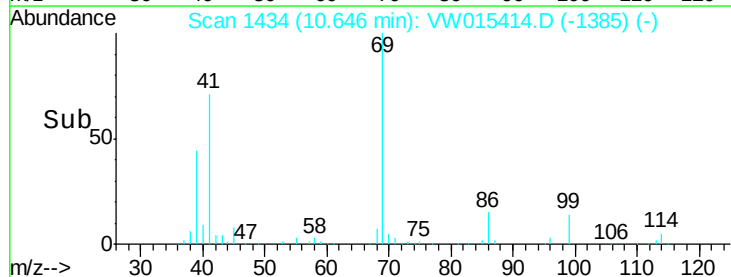
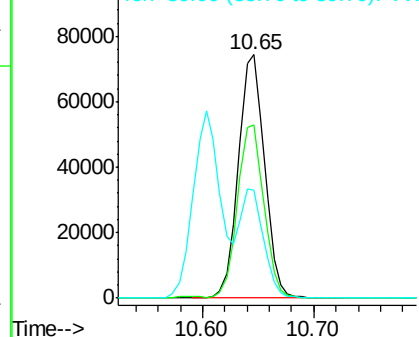


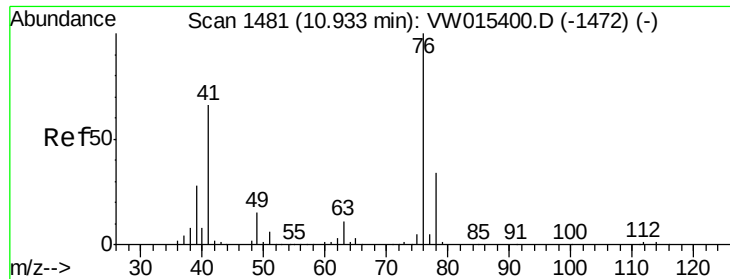
#56
 Ethyl methacrylate
 Concen: 55.281 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion:	69	Resp:	120958
Ion	Ratio	Lower	Upper
69	100		
41	71.2	55.3	82.9
39	39.8	31.9	47.9



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

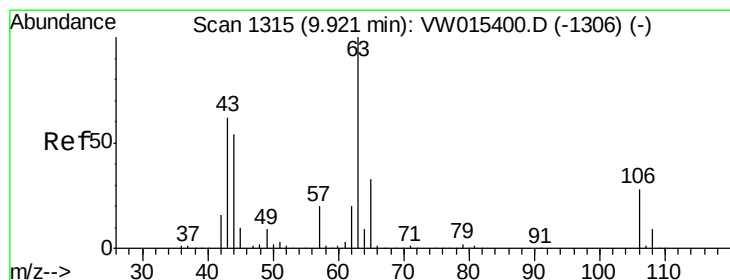
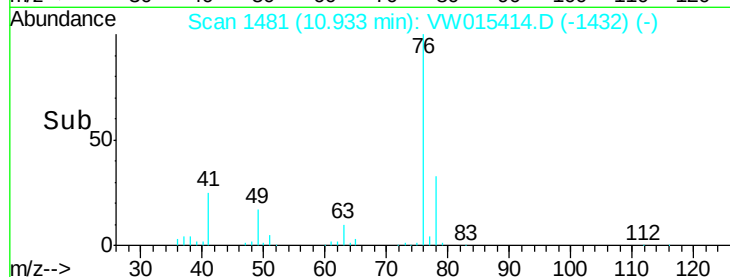
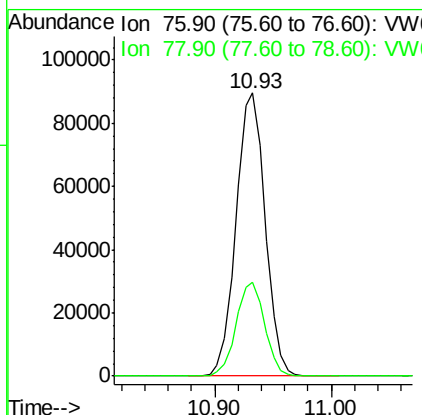
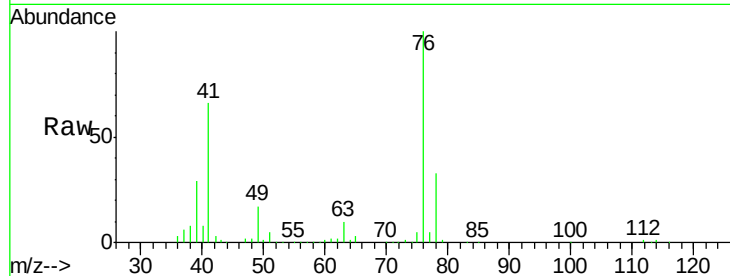




#57
 1,3-Dichloropropane
 Concen: 54.573 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

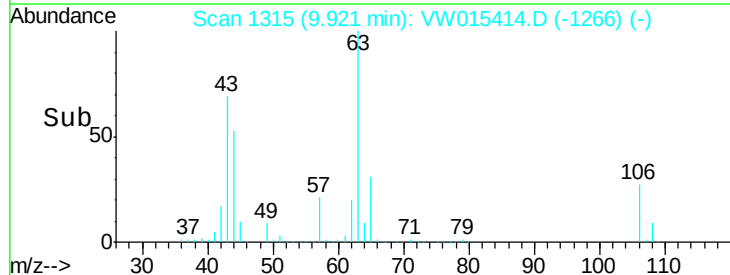
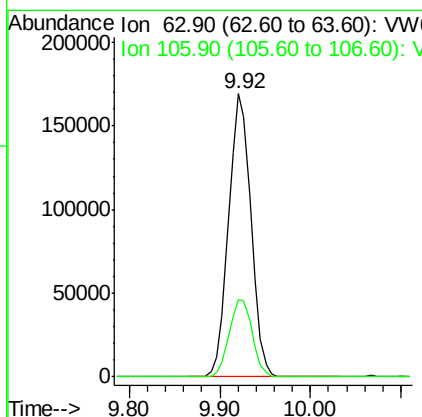
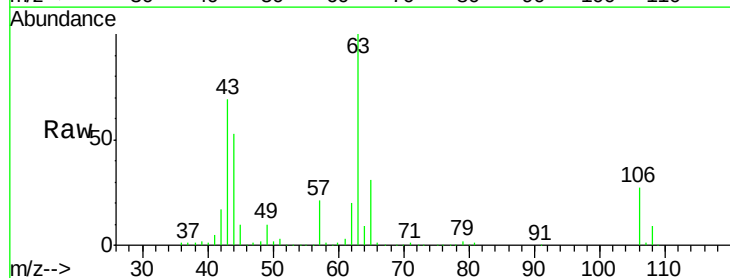
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

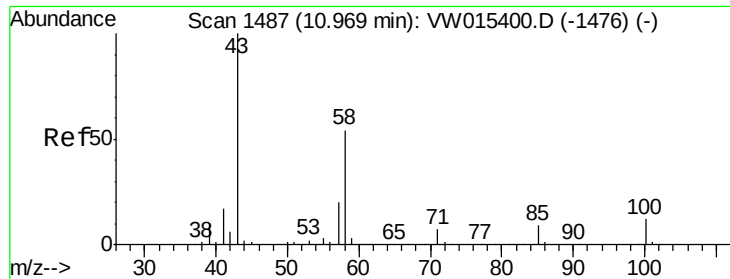
Tot Ion: 76 Resp: 156256
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.084 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion: 63 Resp: 289629
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.6 33.8

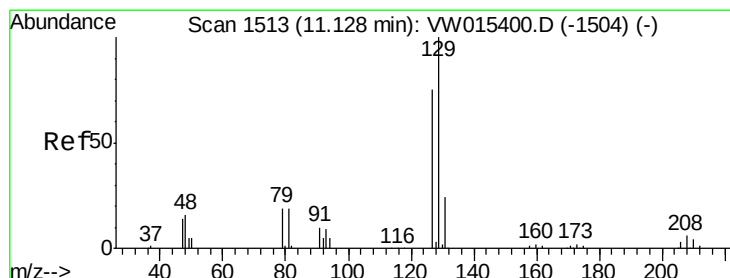
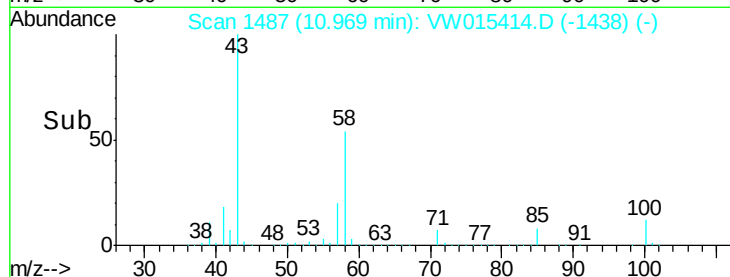
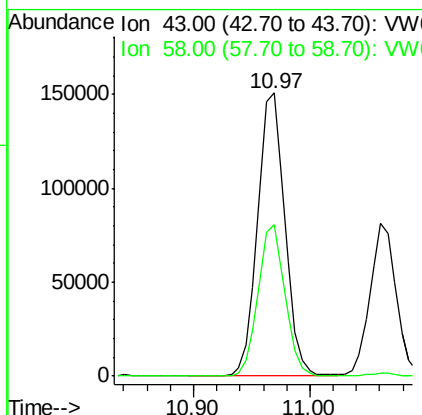
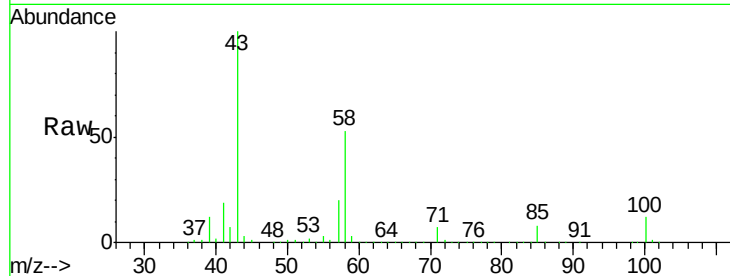




#59
2-Hexanone
Concen: 284.956 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

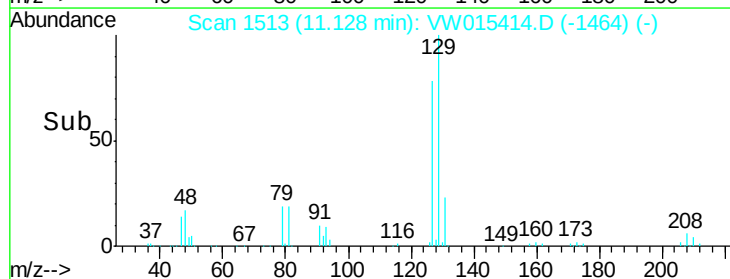
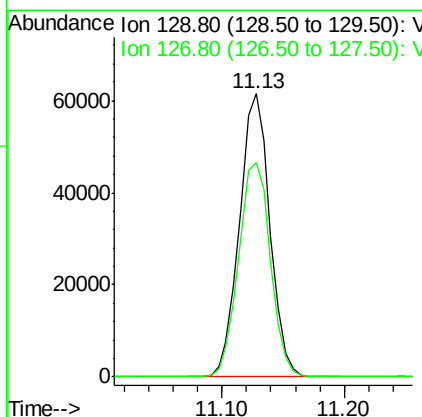
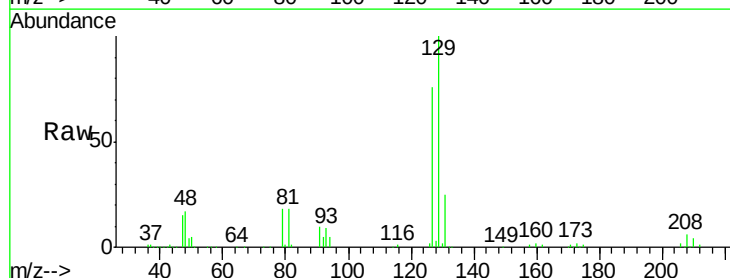
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

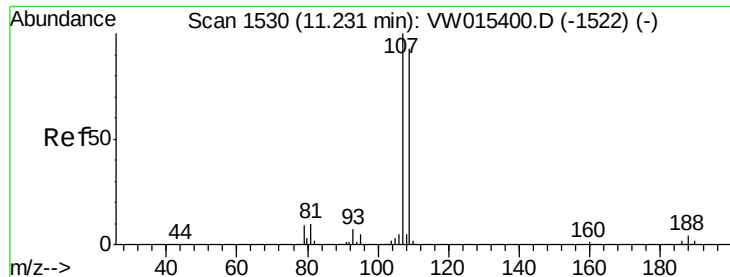
Tot Ion: 43 Resp: 247807
Ion Ratio Lower Upper
43 100
58 52.7 26.7 80.0



#60
Dibromochloromethane
Concen: 55.315 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion: 129 Resp: 105943
Ion Ratio Lower Upper
129 100
127 79.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 56.092 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

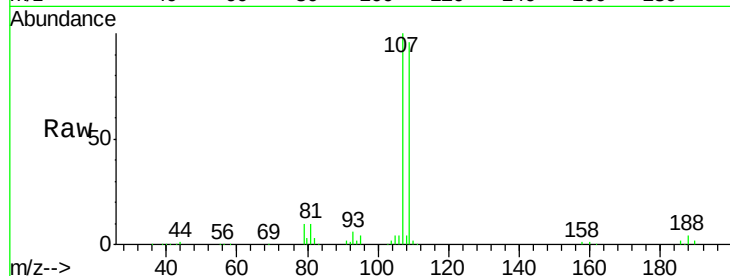
VSTDCCC050

Tot Ion:107 Resp: 84579

Ion Ratio Lower Upper

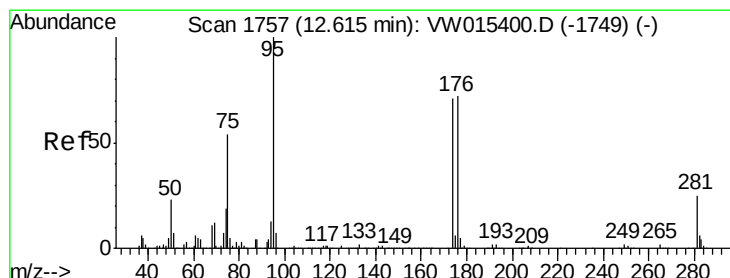
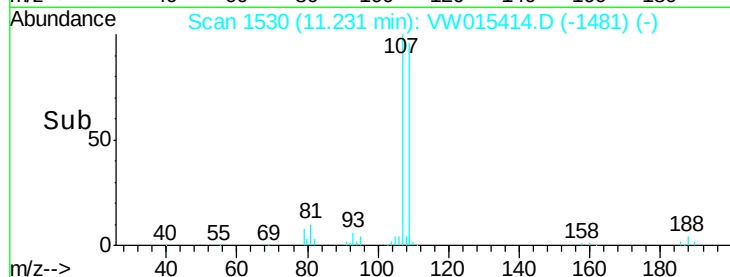
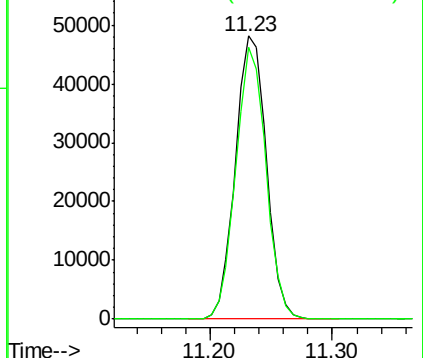
107 100

109 93.6 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.113 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

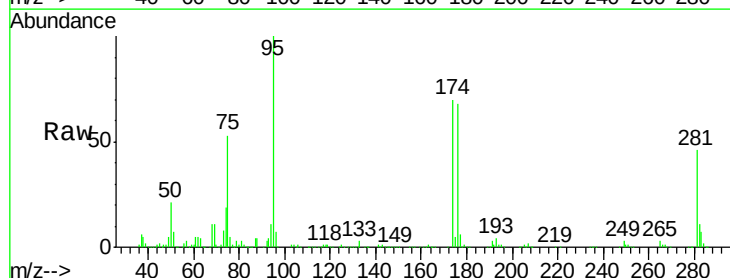
Tgt Ion: 95 Resp: 153346

Ion Ratio Lower Upper

95 100

174 72.6 0.0 147.6

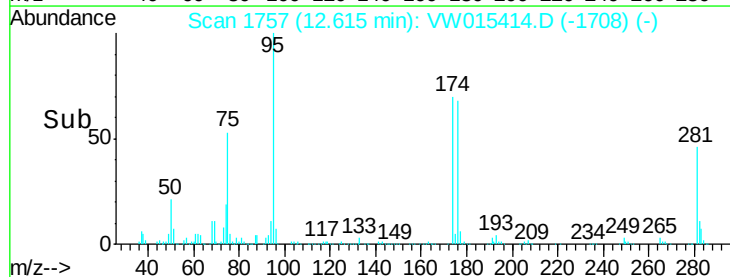
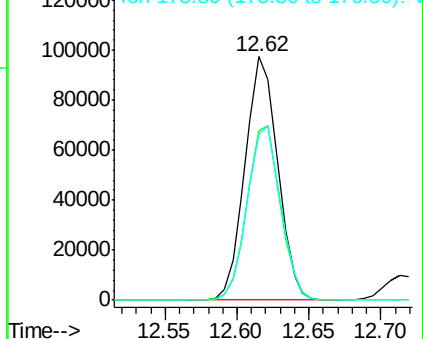
176 73.1 0.0 144.4

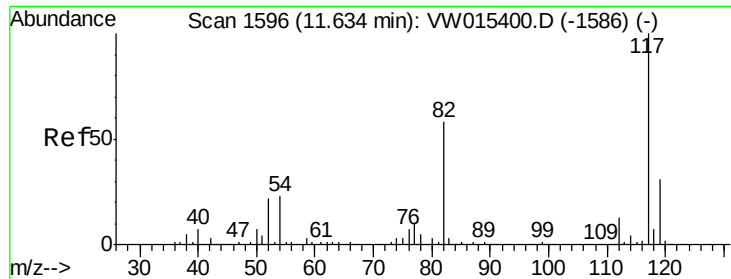


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

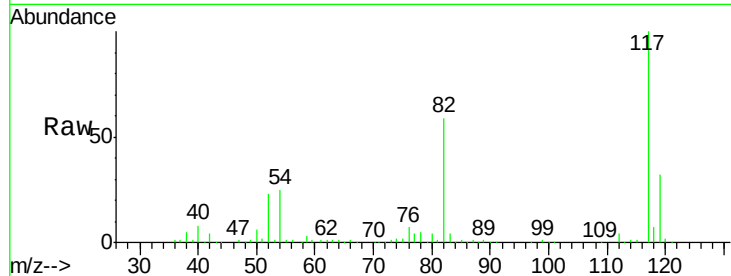




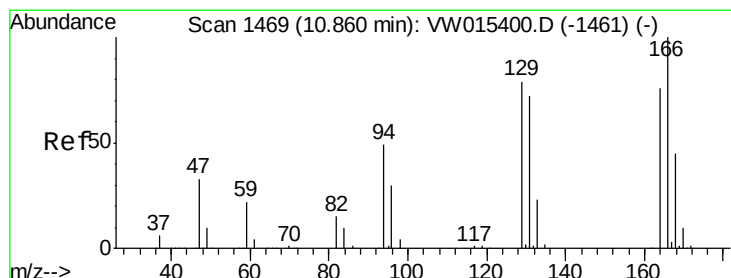
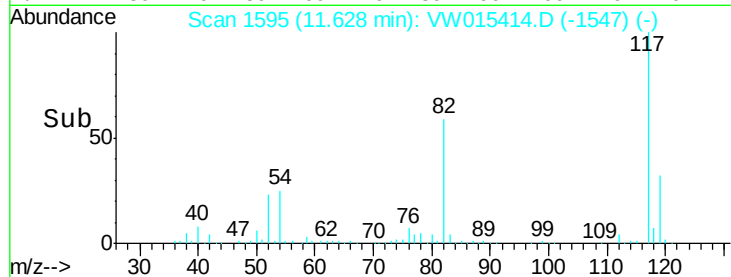
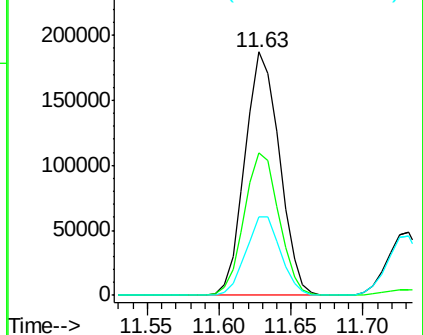
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 311221
Ion Ratio Lower Upper
117 100
82 58.8 46.4 69.6
119 32.5 24.6 37.0

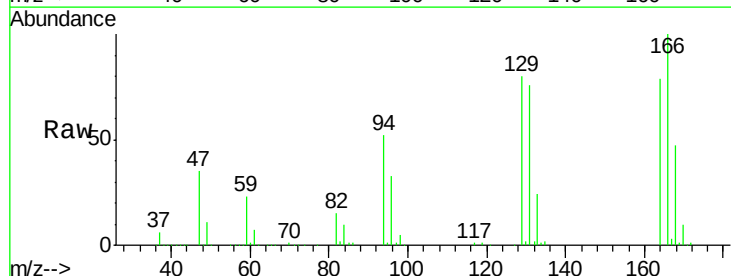


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

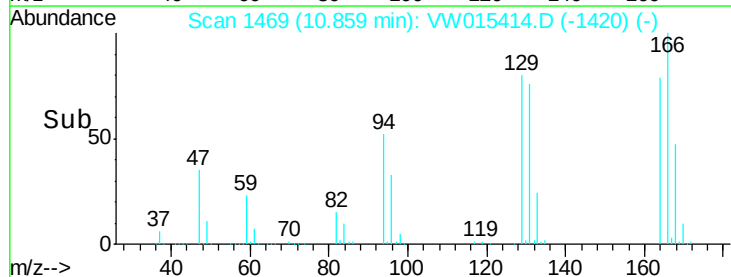
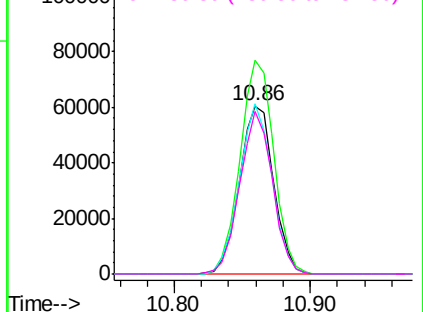


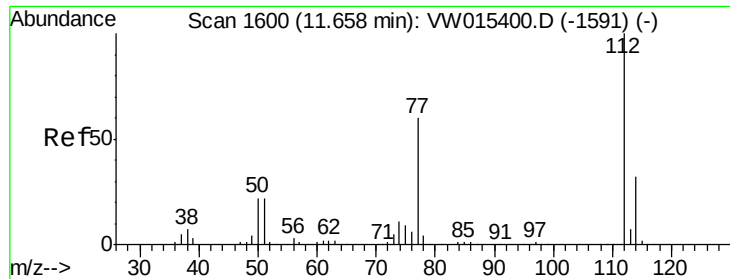
#64
Tetrachloroethene
Concen: 55.709 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion:164 Resp: 105974
Ion Ratio Lower Upper
164 100
166 127.1 104.9 157.3
129 101.2 82.7 124.1
131 96.9 75.5 113.3



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

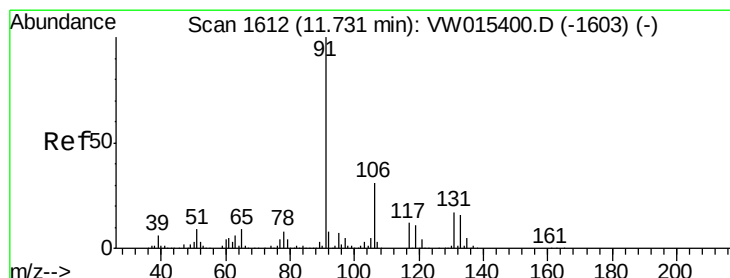
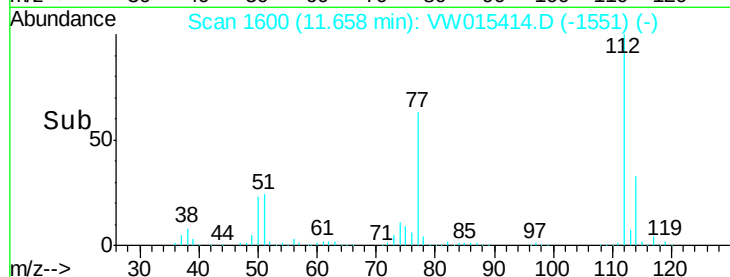
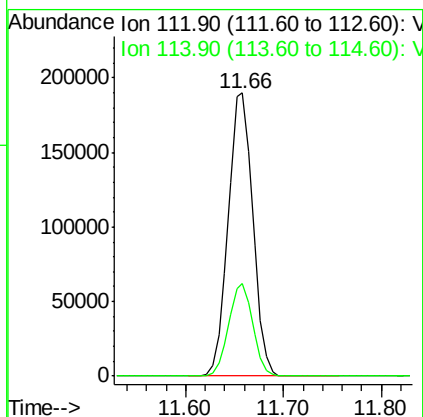
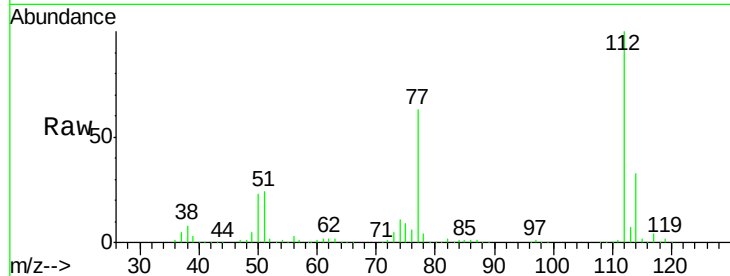




#65
Chlorobenzene
Concen: 54.022 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

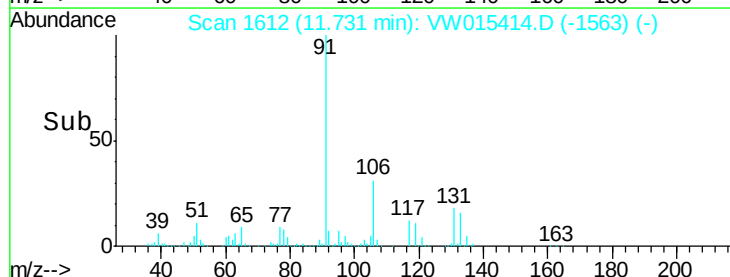
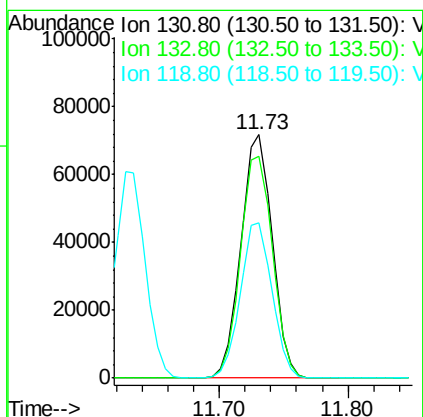
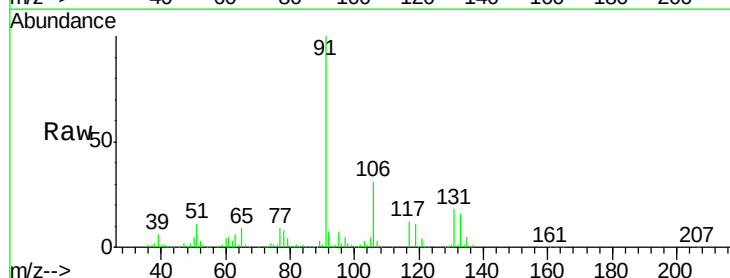
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

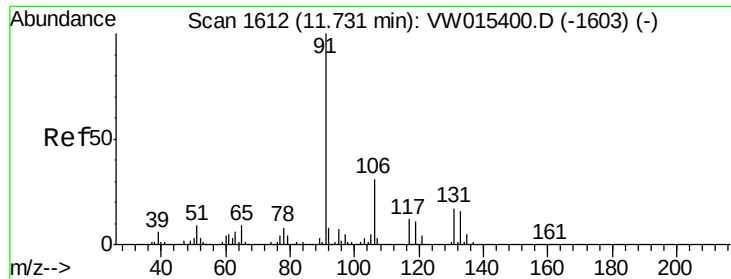
Tot Ion:112 Resp: 331492
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.428 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion:131 Resp: 120589
Ion Ratio Lower Upper
131 100
133 93.6 47.9 143.8
119 64.5 33.0 99.0

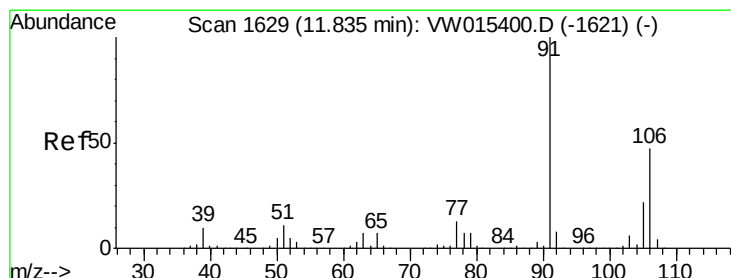
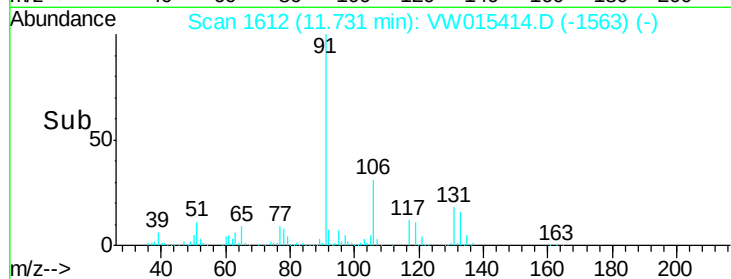
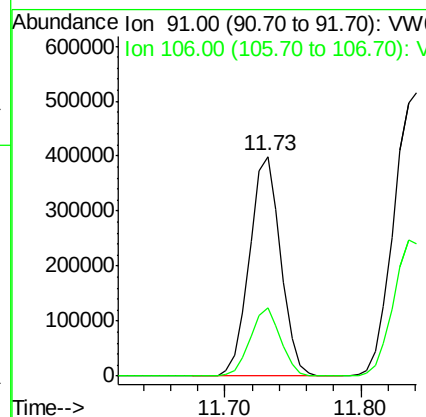
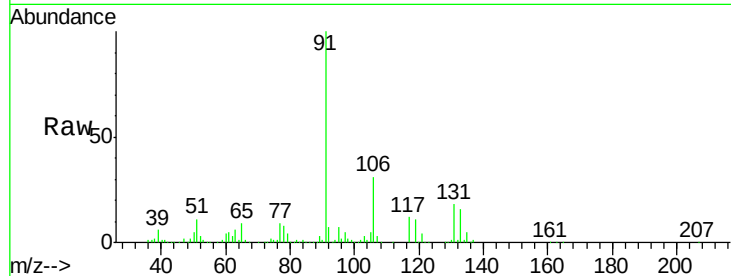




#67
Ethyl Benzene
Concen: 54.549 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

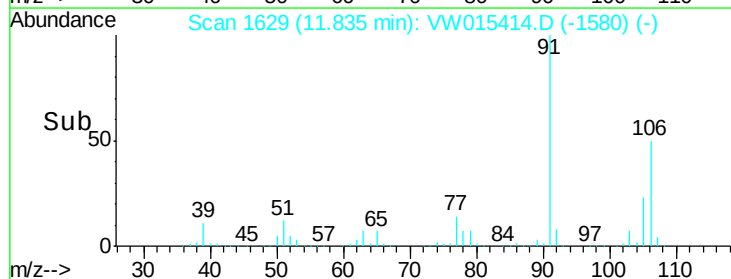
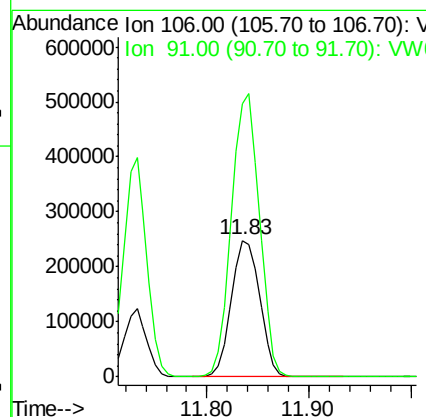
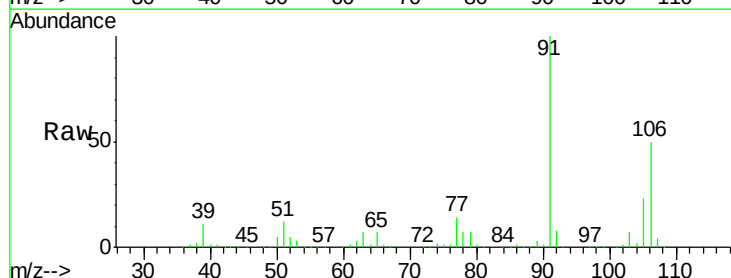
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

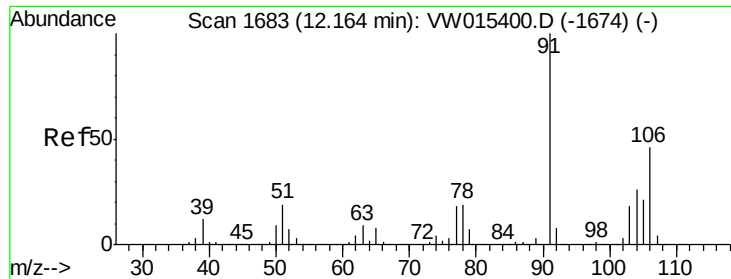
Tot Ion: 91 Resp: 640684
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8



#68
m/p-Xylenes
Concen: 109.269 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion: 106 Resp: 477149
Ion Ratio Lower Upper
106 100
91 204.5 165.7 248.5

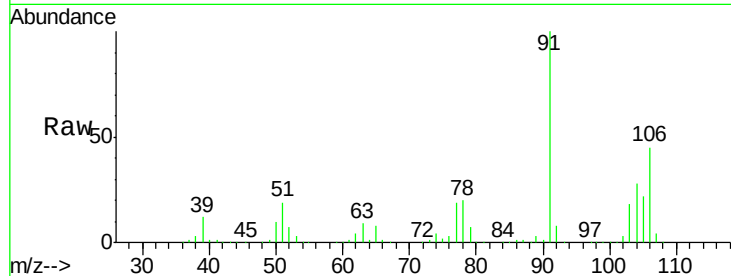




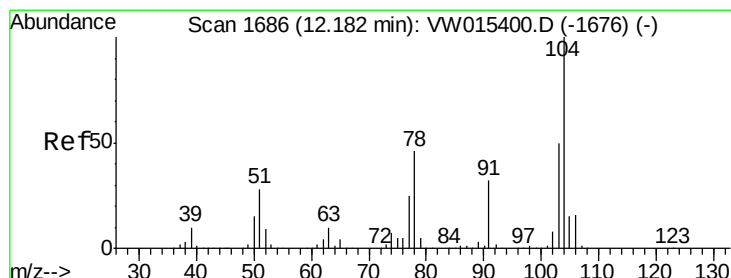
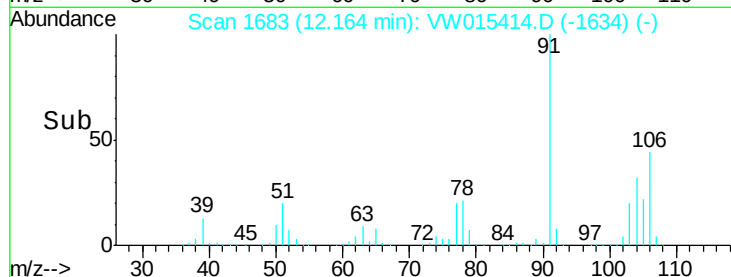
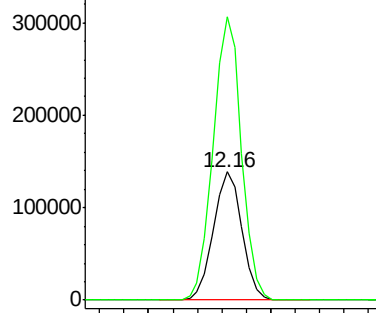
#69
o-Xylene
Concen: 54.678 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 224368
Ion Ratio Lower Upper
106 100
91 218.5 109.0 327.0

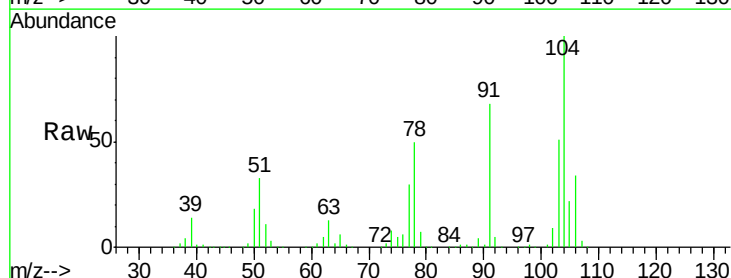


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

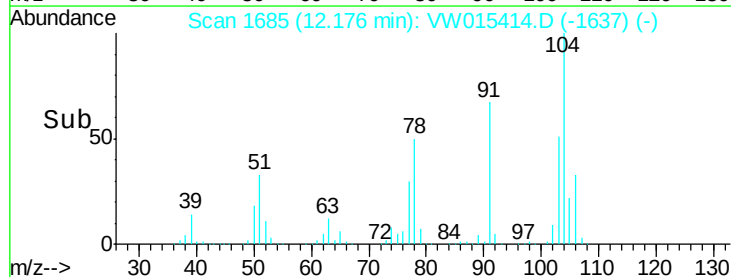
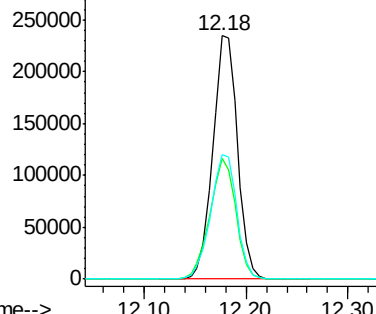


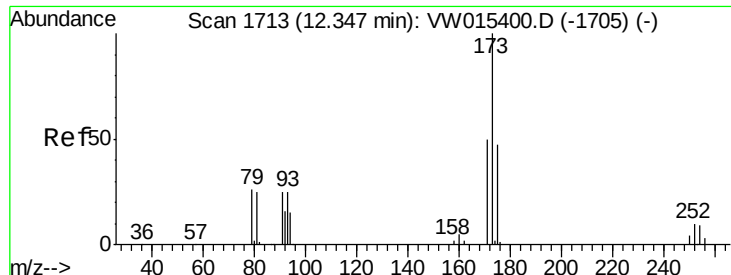
#70
Styrene
Concen: 55.375 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion:104 Resp: 391355
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 54.3 43.6 65.4



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





#71

Bromoform

Concen: 55.456 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

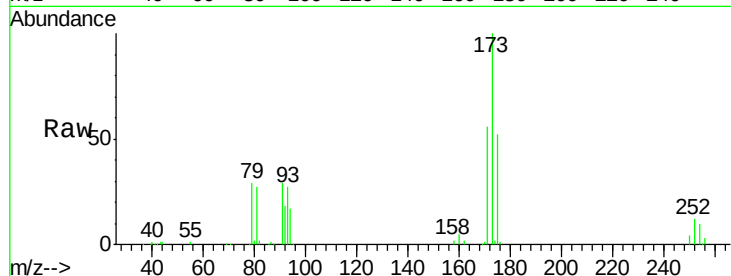
Tot Ion:173 Resp: 58839

Ion Ratio Lower Upper

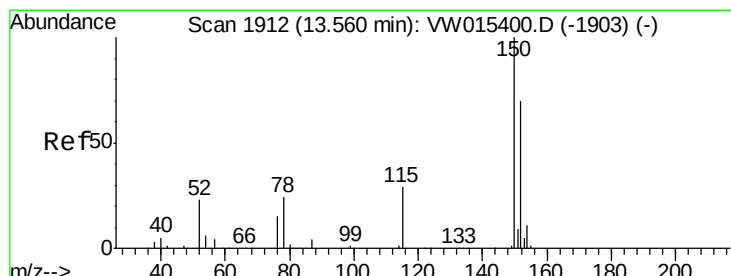
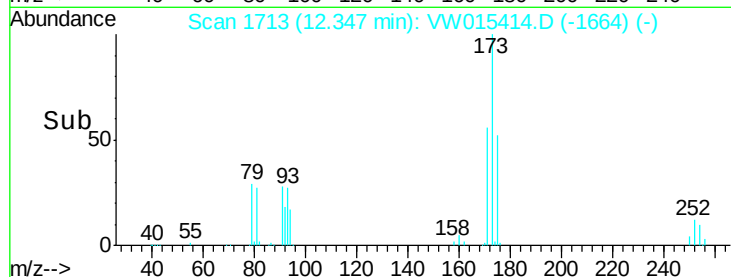
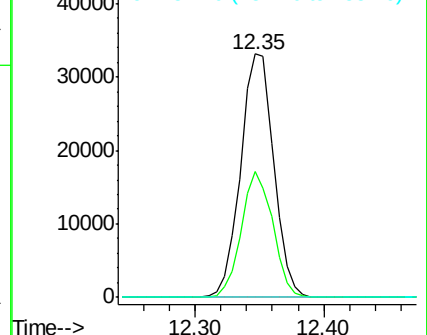
173 100

175 49.1 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: VW015414.D

Acq: 07 May 2020 12:13

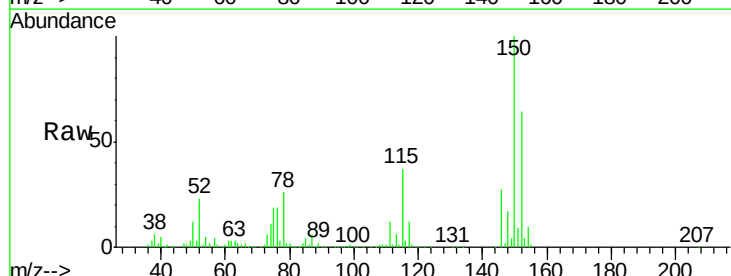
Tgt Ion:152 Resp: 158168

Ion Ratio Lower Upper

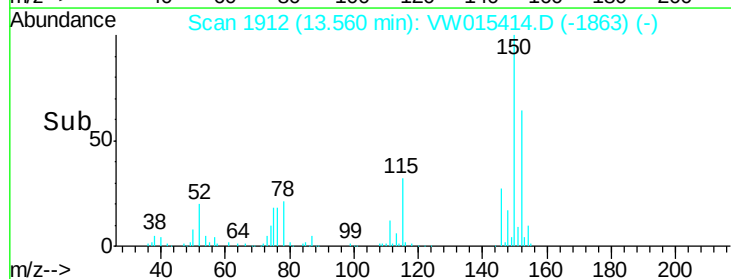
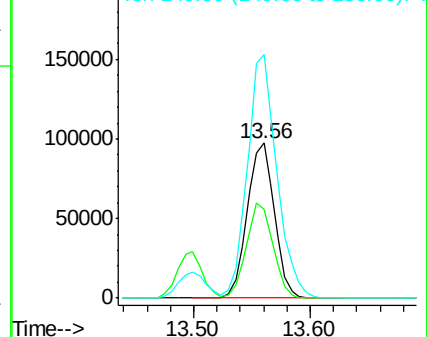
152 100

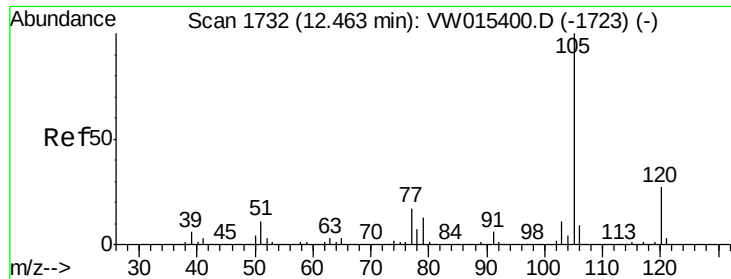
115 60.3 30.3 90.8

150 170.8 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: 53.190 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

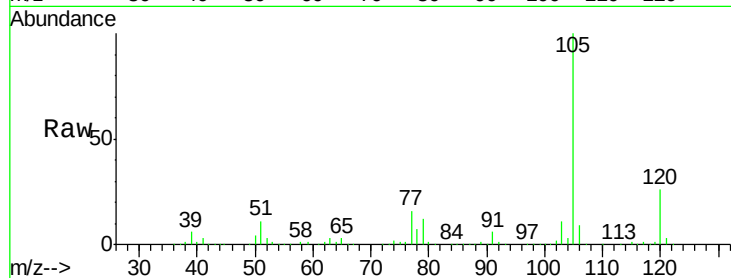
VSTDCCC050

Tot Ion:105 Resp: 628090

Ion Ratio Lower Upper

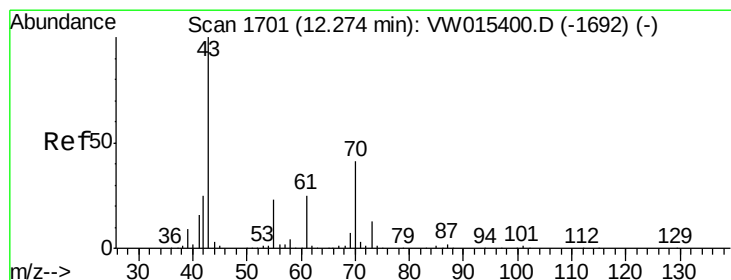
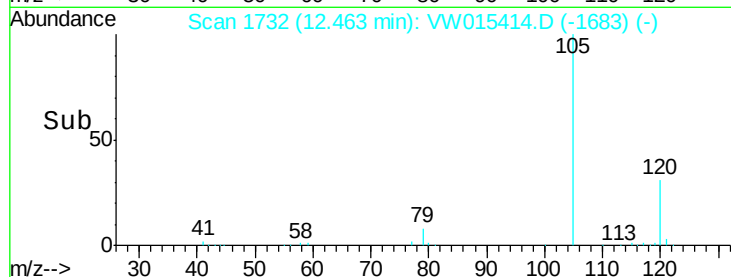
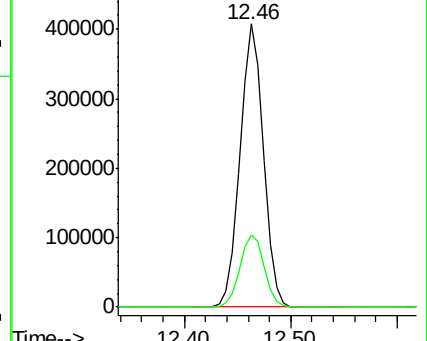
105 100

120 26.4 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: 53.789 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Tgt Ion: 43 Resp: 150139

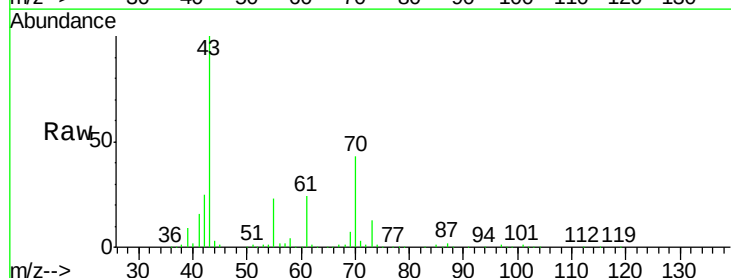
Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.0

55 23.3 18.9 28.3

61 23.6 19.4 29.0

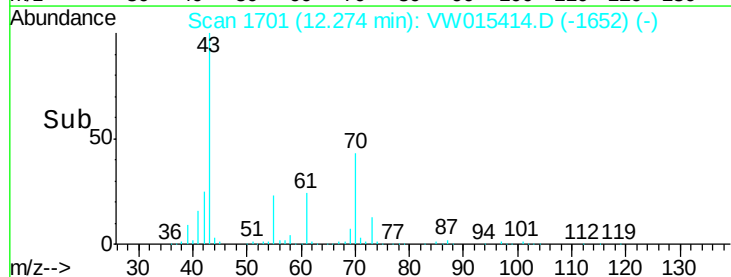
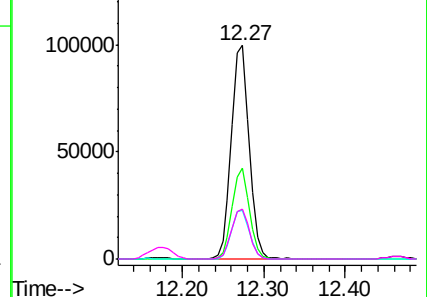


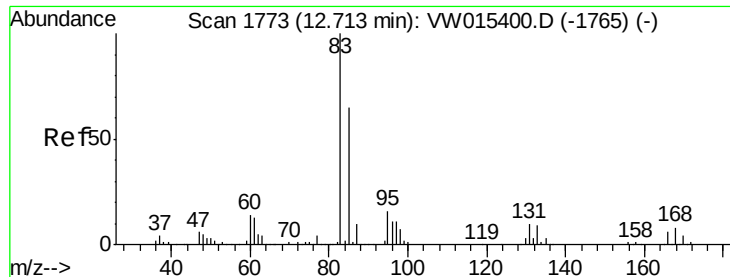
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 54.624 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

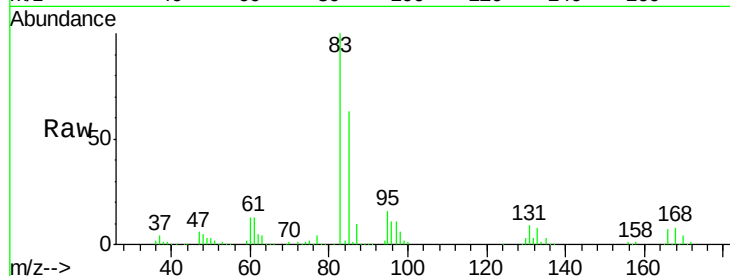
Tot Ion: 83 Resp: 100904

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.2

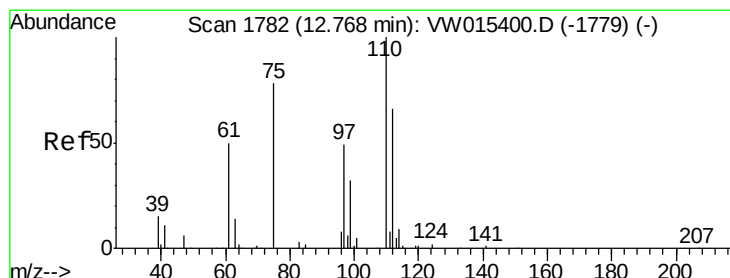
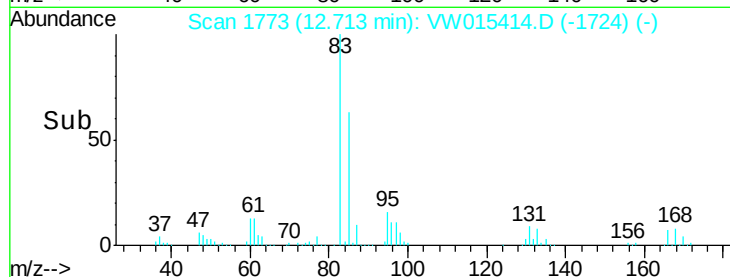
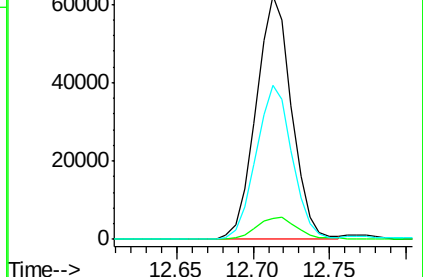
85 64.1 32.2 96.6



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: 51.250 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015414.D

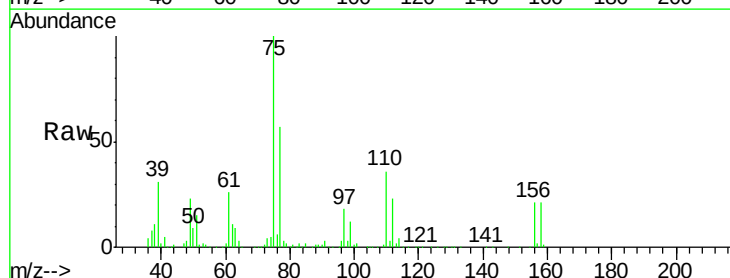
Acq: 07 May 2020 12:13

Tgt Ion: 75 Resp: 66684

Ion Ratio Lower Upper

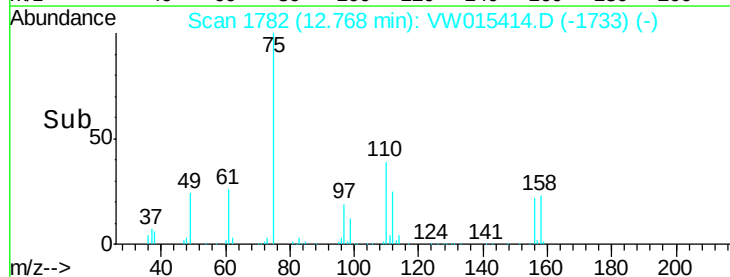
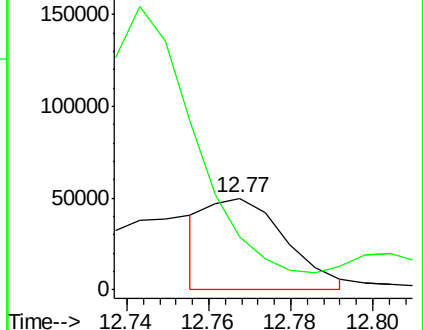
75 100

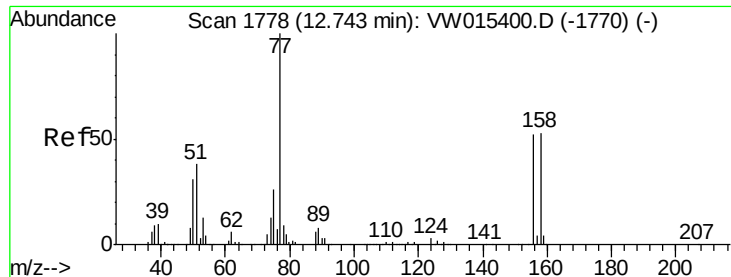
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.518 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

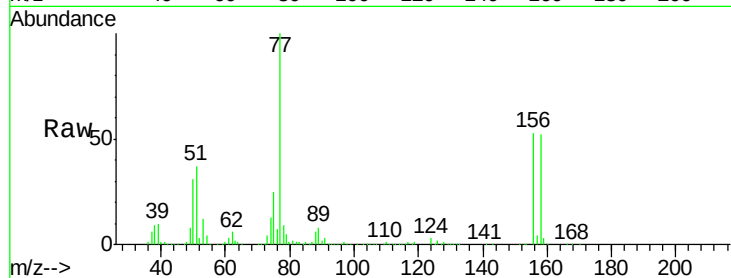
Tot Ion:156 Resp: 133925

Ion Ratio Lower Upper

156 100

77 203.5 101.8 305.6

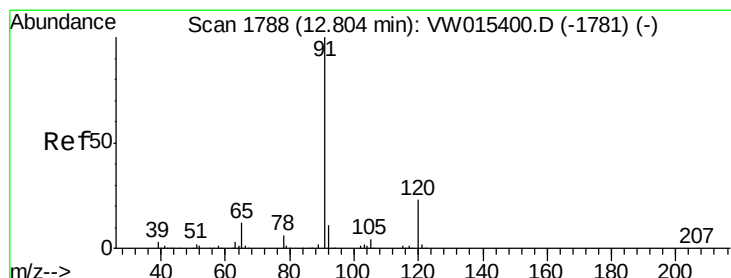
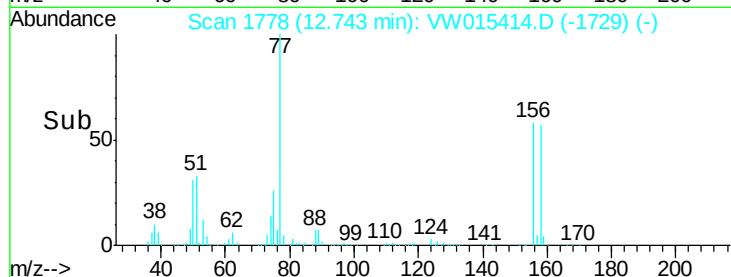
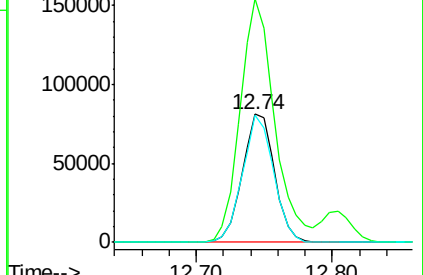
158 96.0 48.3 144.8



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: 53.890 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015414.D

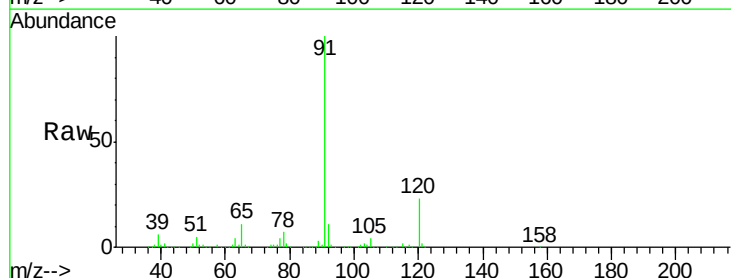
Acq: 07 May 2020 12:13

Tgt Ion: 91 Resp: 763477

Ion Ratio Lower Upper

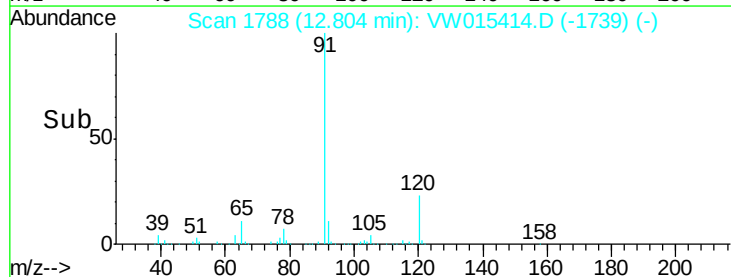
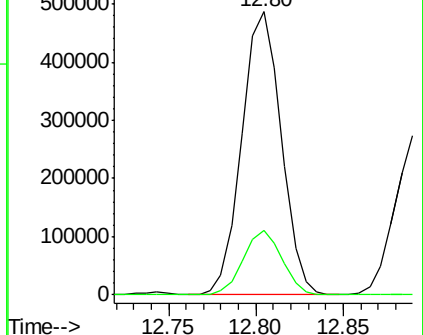
91 100

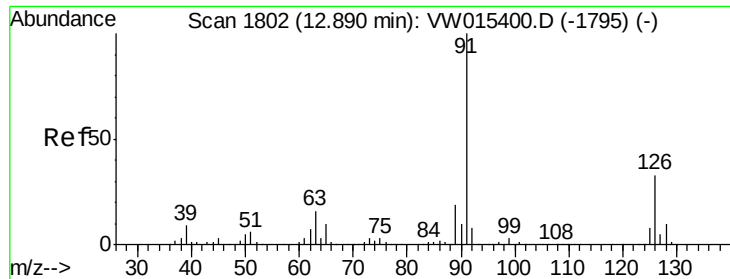
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.519 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

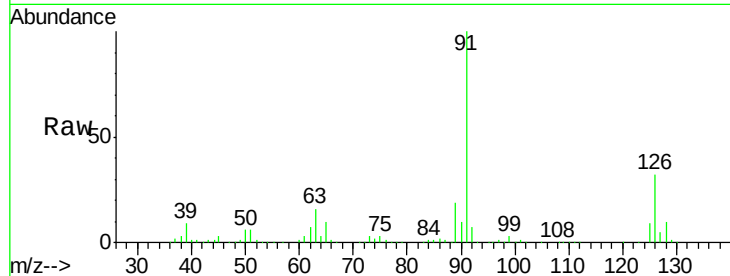
VSTDCCC050

Tot Ion: 91 Resp: 427408

Ion Ratio Lower Upper

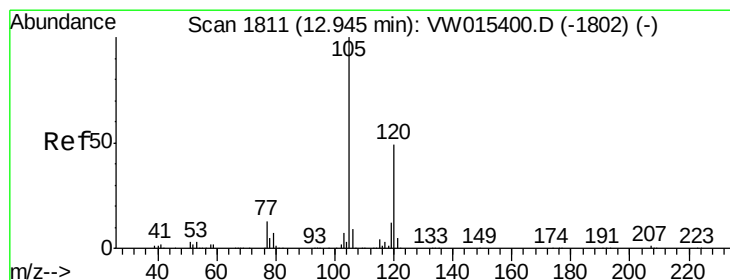
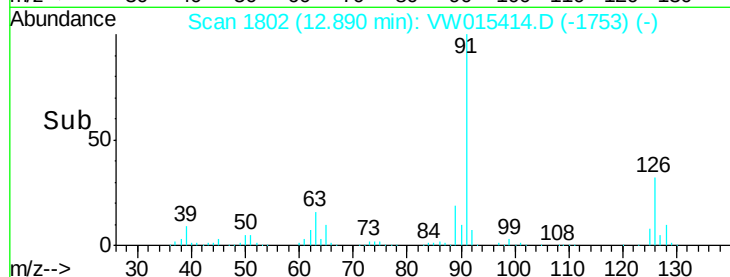
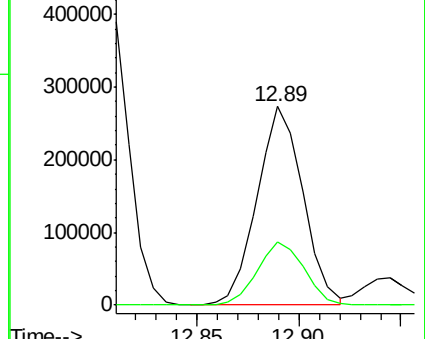
91 100

126 32.5 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: 53.860 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015414.D

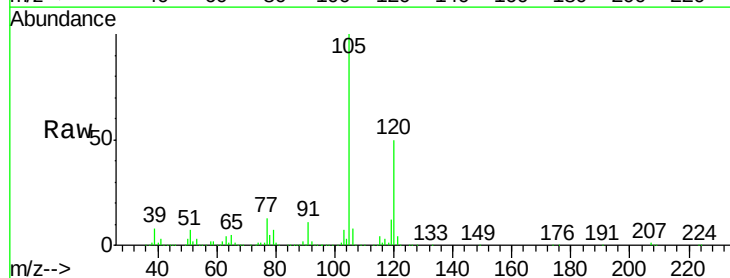
Acq: 07 May 2020 12:13

Tgt Ion:105 Resp: 535707

Ion Ratio Lower Upper

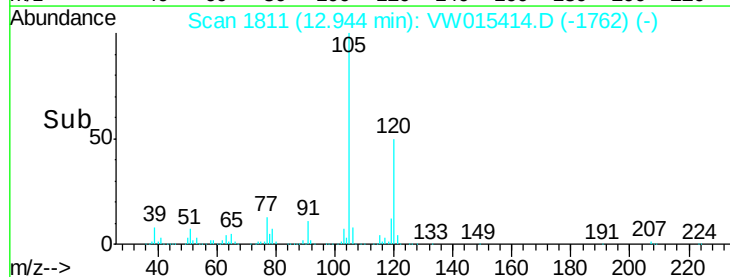
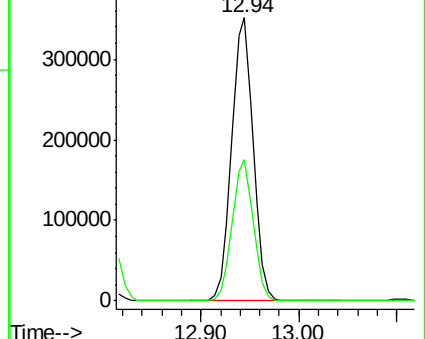
105 100

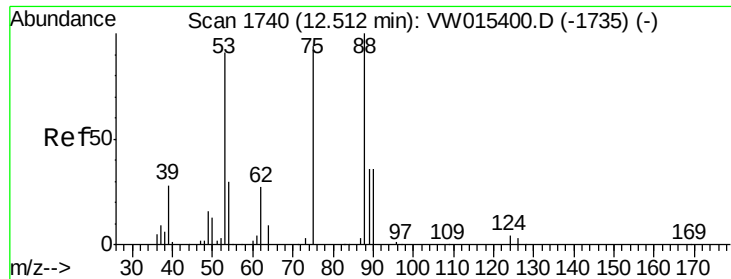
120 49.0 24.2 72.6



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: 54.508 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

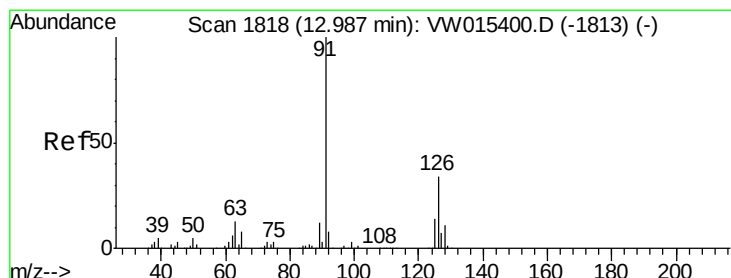
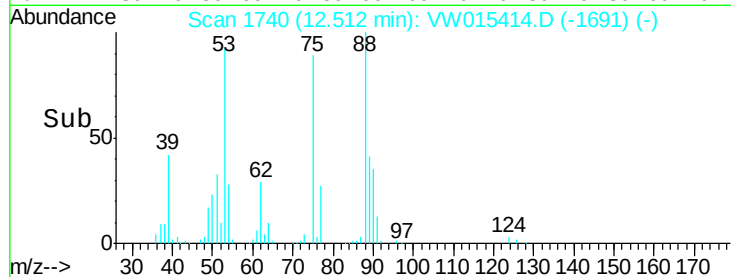
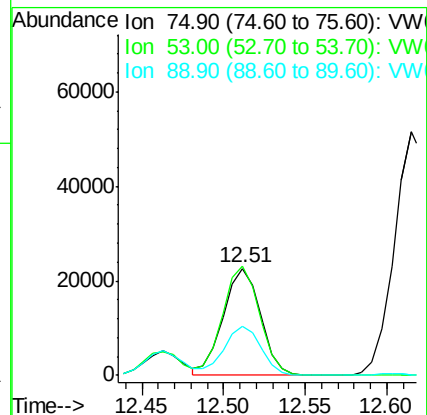
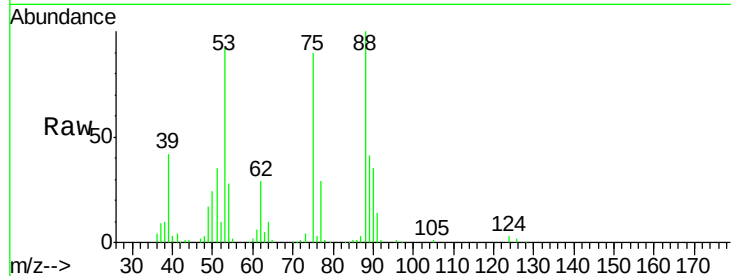
Tot Ion: 75 Resp: 35856

Ion Ratio Lower Upper

75 100

53 102.7 82.5 123.7

89 45.1 35.8 53.8



#82

4-Chlorotoluene

Concen: 53.276 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015414.D

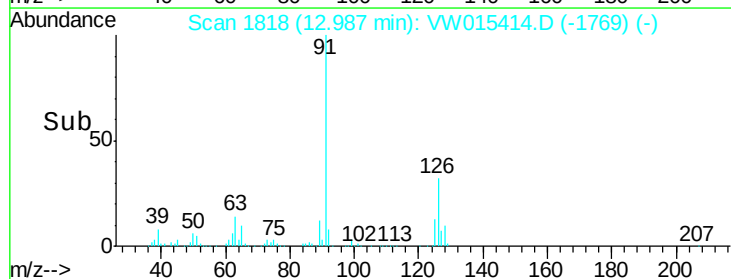
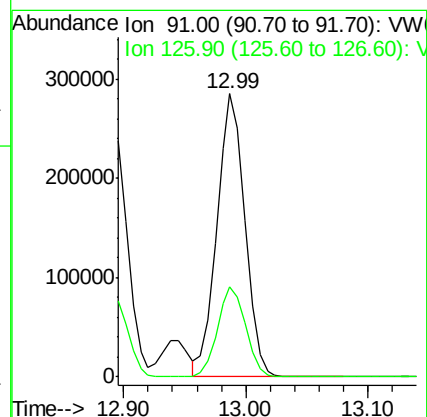
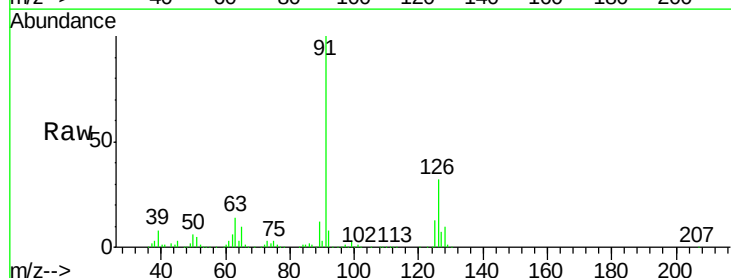
Acq: 07 May 2020 12:13

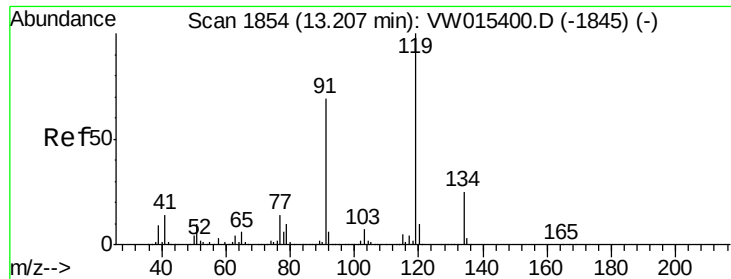
Tgt Ion: 91 Resp: 450892

Ion Ratio Lower Upper

91 100

126 32.1 16.0 47.9

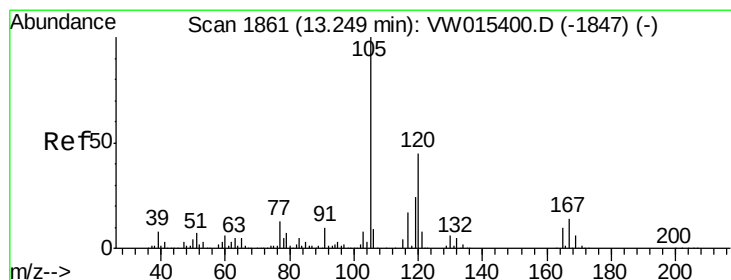
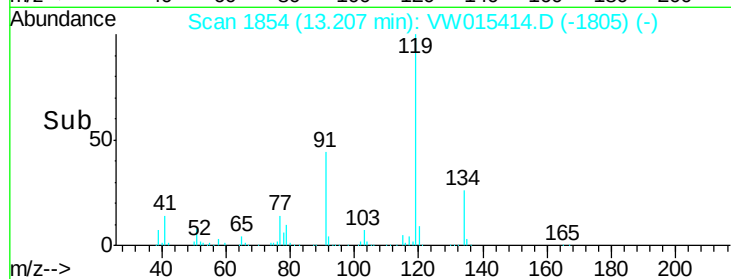
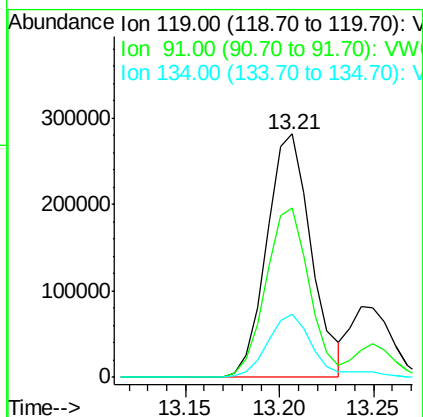
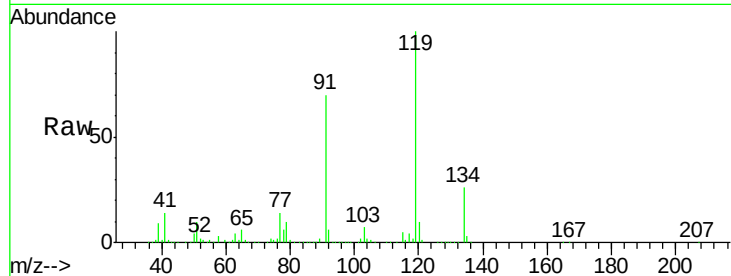




#83
 tert-Butylbenzene
 Concen: 54.401 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

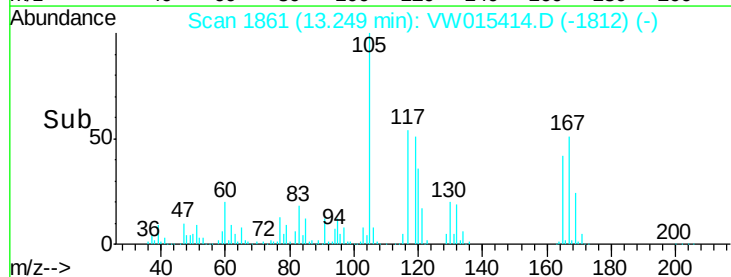
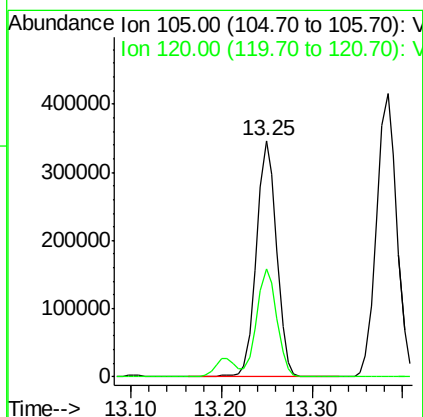
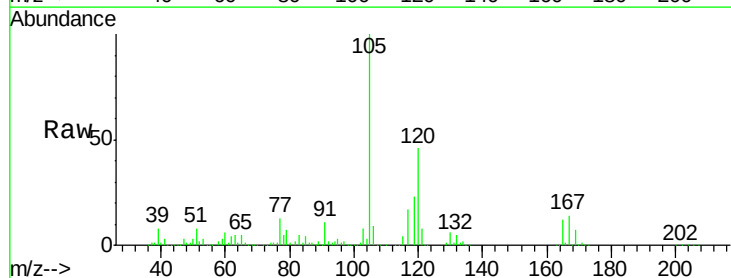
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

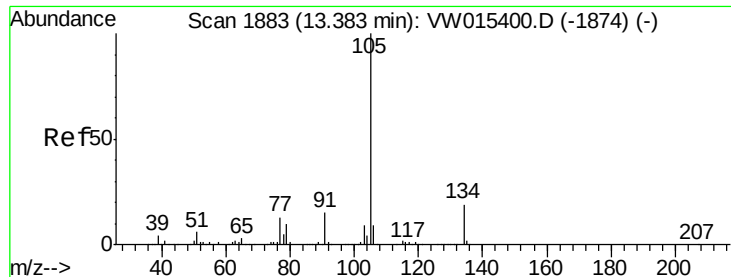
Tot Ion:119 Resp: 461701
 Ion Ratio Lower Upper
 119 100
 91 67.9 33.8 101.4
 134 25.3 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 53.686 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion:105 Resp: 534189
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.0 66.0

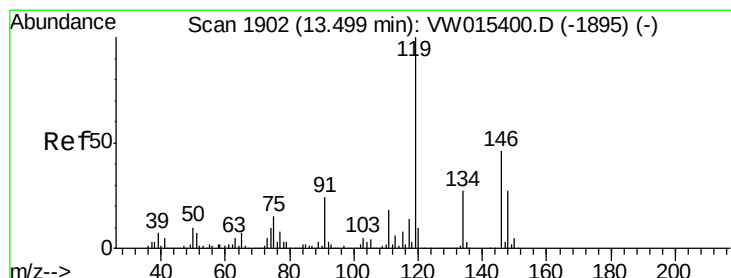
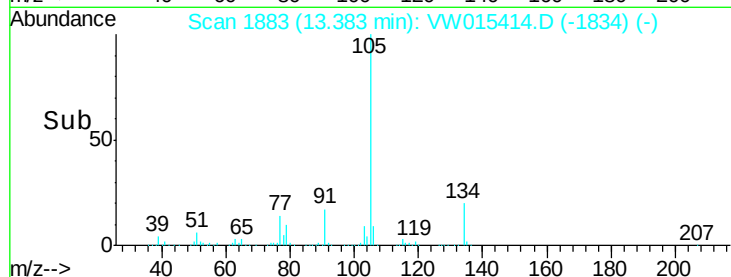
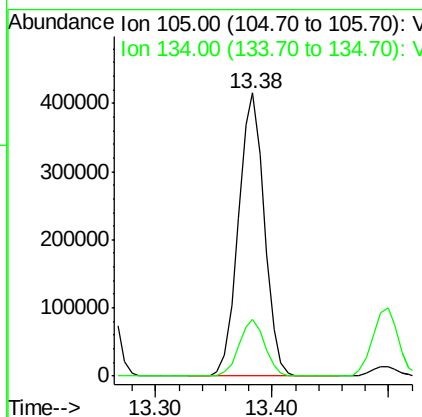
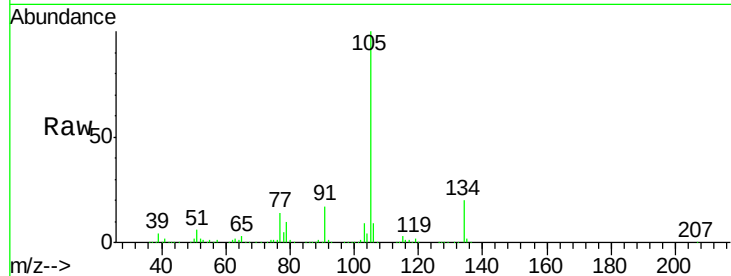




#85
 sec-Butylbenzene
 Concen: 53.689 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

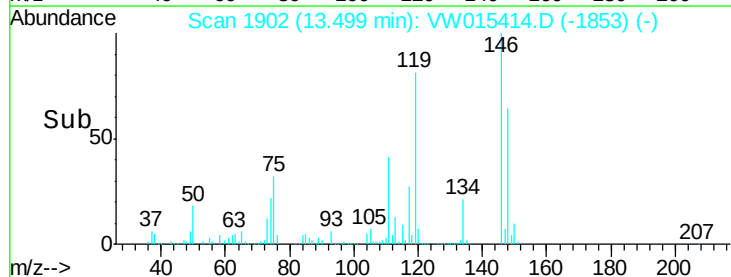
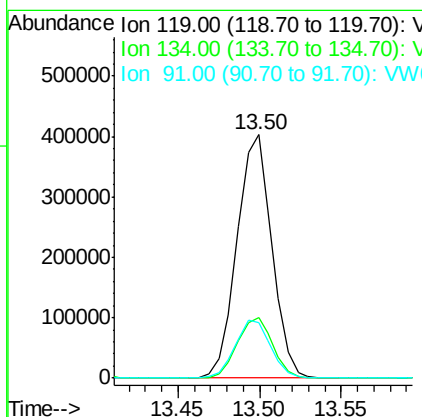
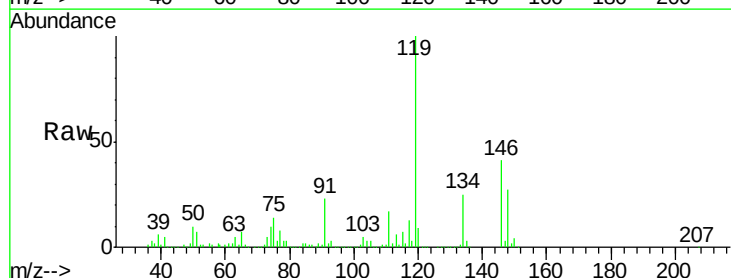
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

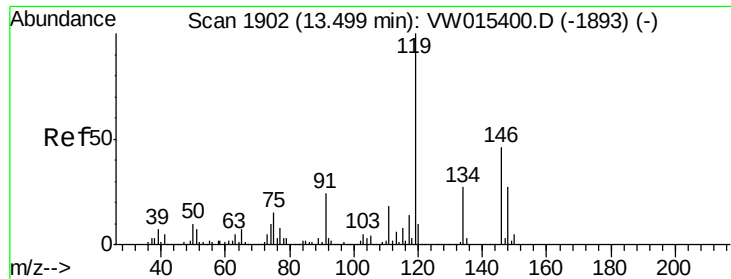
Tot Ion:105 Resp: 642021
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 54.865 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion:119 Resp: 598378
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.4
 91 24.0 12.1 36.3

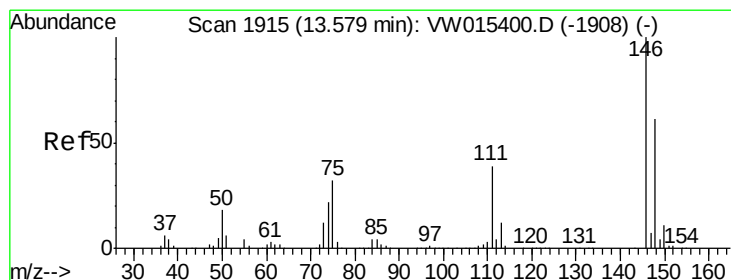
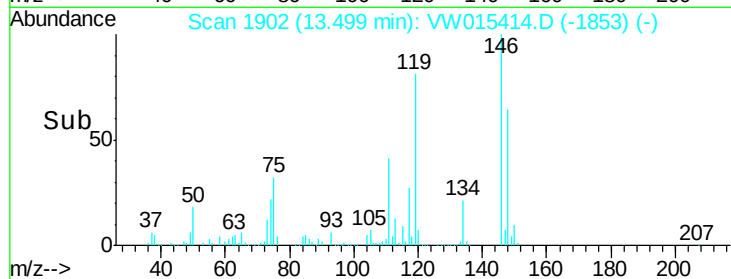
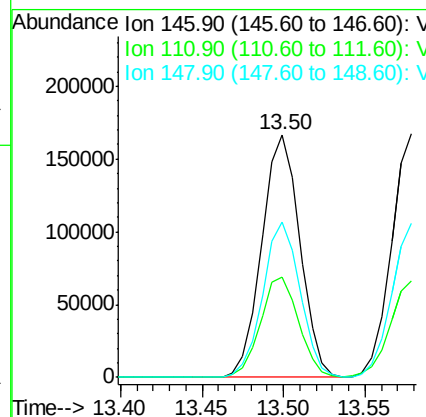
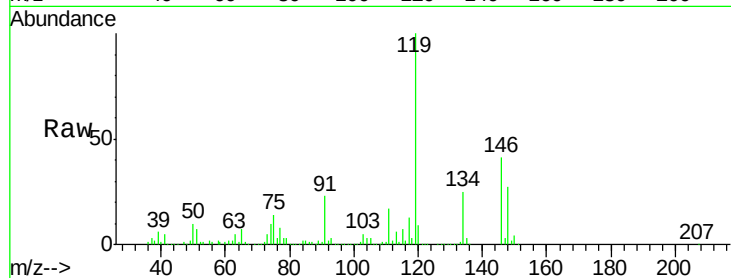




#87
 1,3-Dichlorobenzene
 Concen: 54.029 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

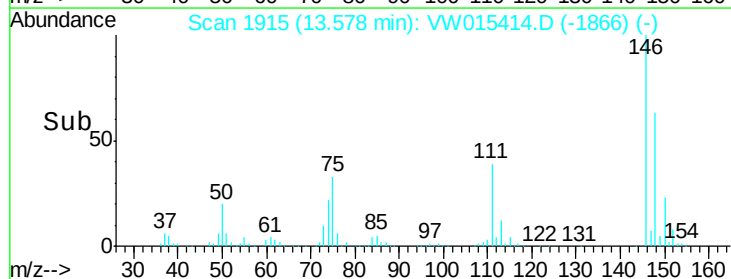
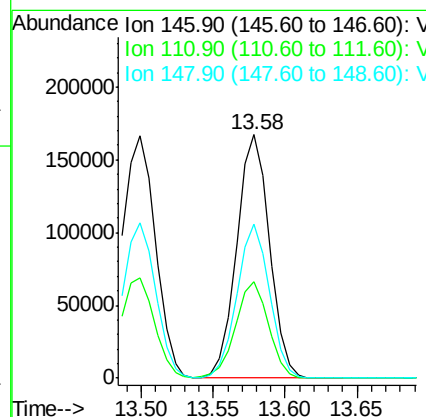
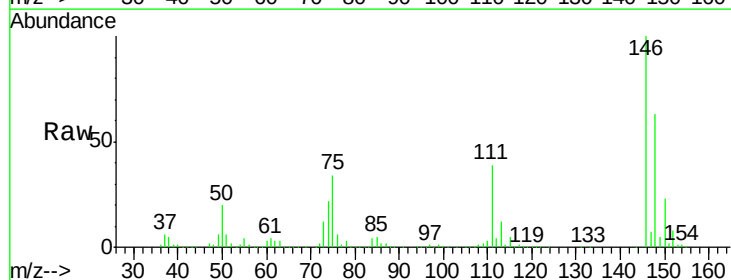
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

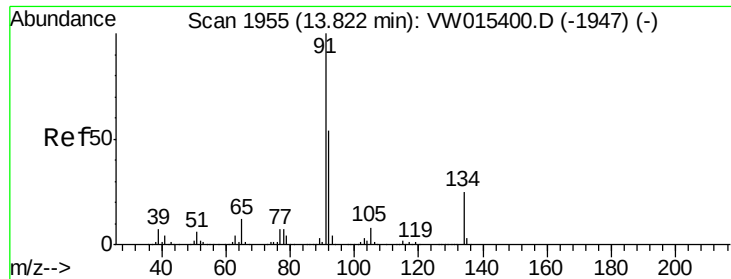
Tot Ion:146 Resp: 269317
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.5
 148 63.0 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 53.810 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion:146 Resp: 265641
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 62.7 31.4 94.3





#89

n-Butylbenzene

Concen: 53.457 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015414.D

Acq: 07 May 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

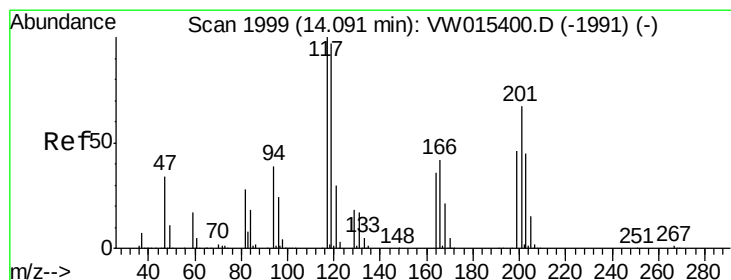
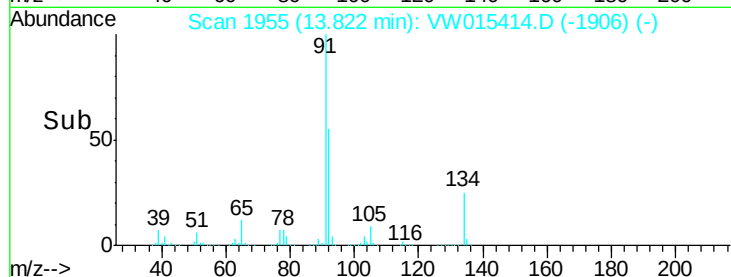
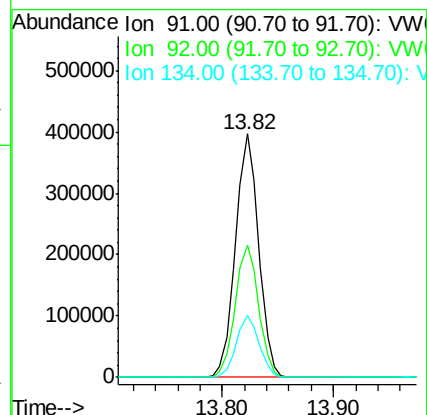
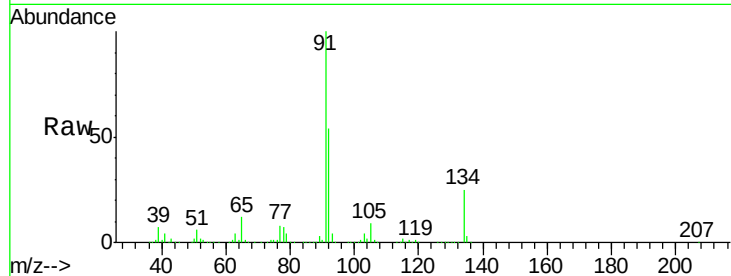
Tot Ion: 91 Resp: 570759

Ion Ratio Lower Upper

91 100

92 54.7 27.2 81.6

134 25.1 12.6 37.6



#90

Hexachloroethane

Concen: 54.542 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015414.D

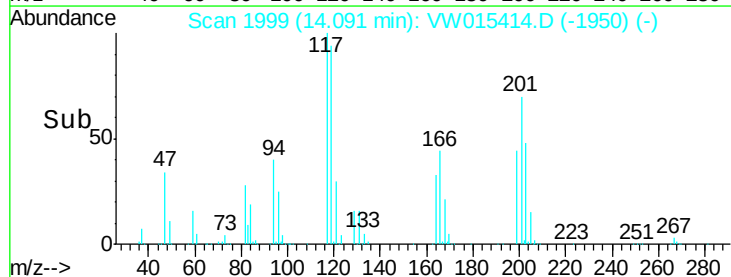
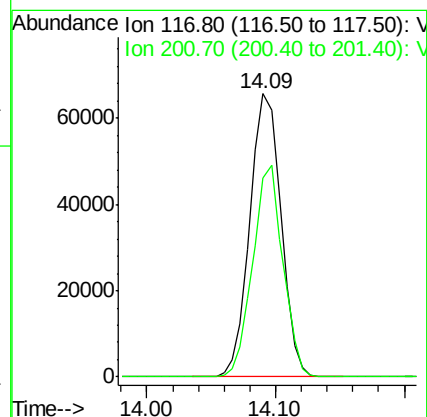
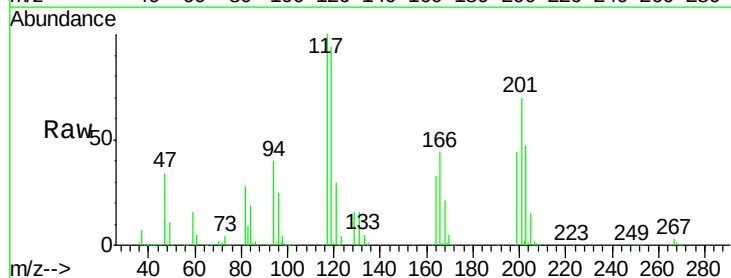
Acq: 07 May 2020 12:13

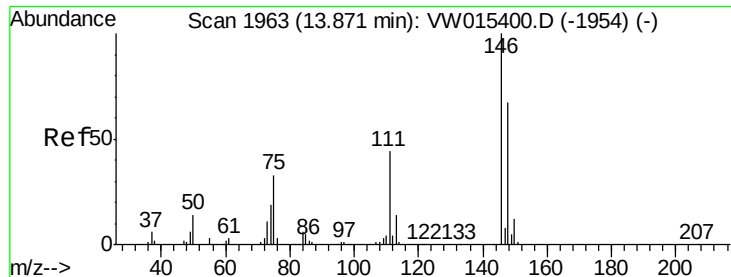
Tgt Ion: 117 Resp: 109619

Ion Ratio Lower Upper

117 100

201 72.2 35.9 107.8

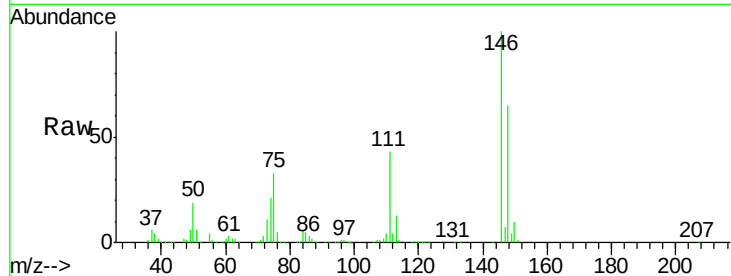




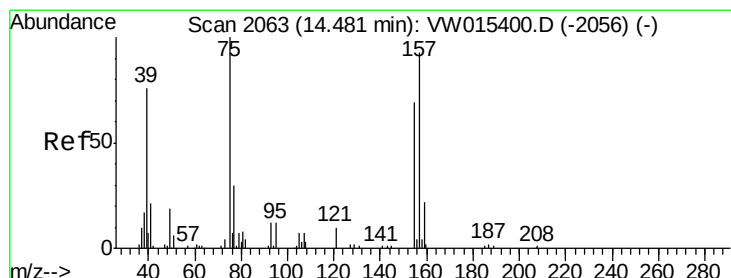
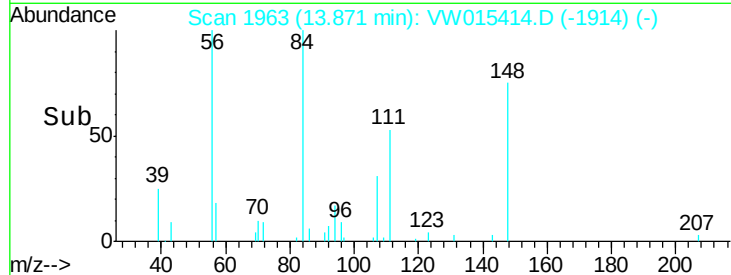
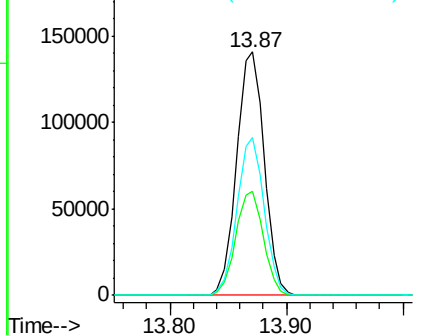
#91
 1,2-Dichlorobenzene
 Concen: 54.234 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.1	66.3
148	63.7	32.5	97.4

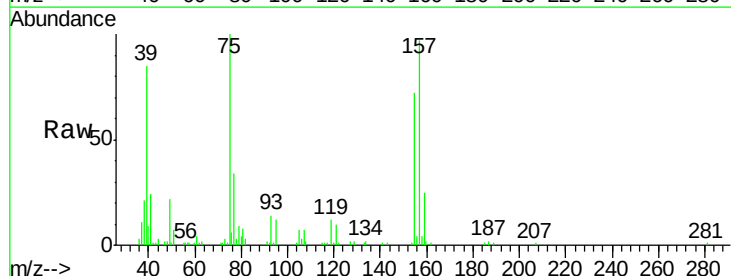


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

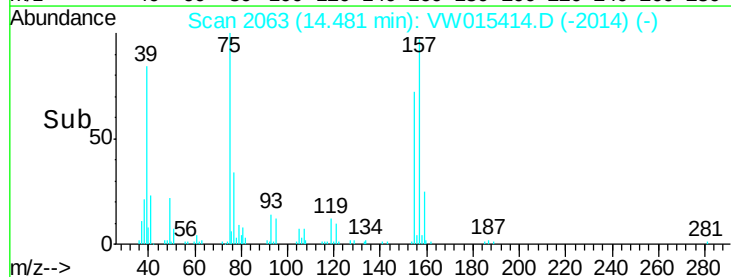
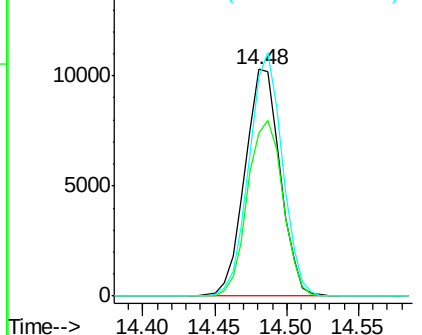


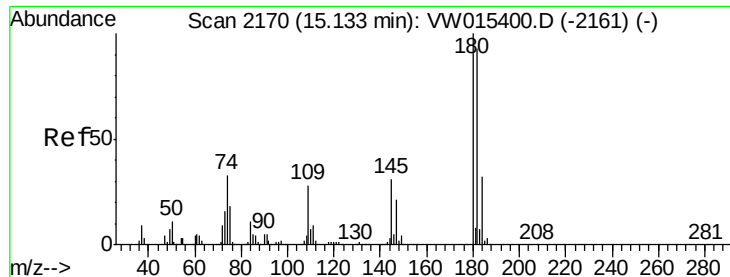
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.020 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.7	116.1
157	101.3	48.1	144.4



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

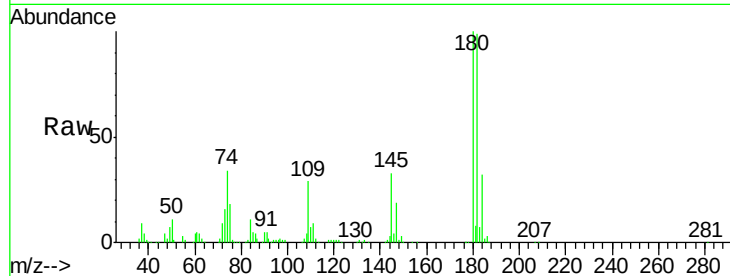




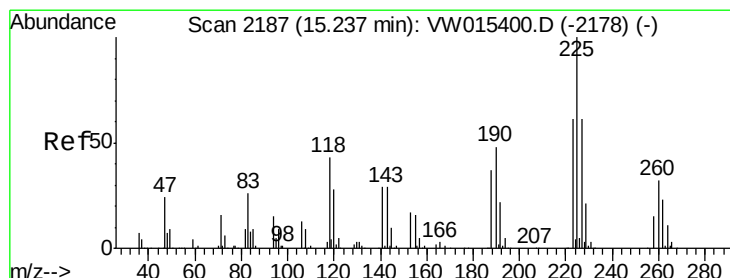
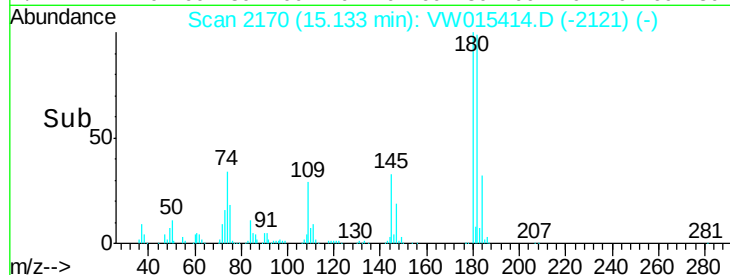
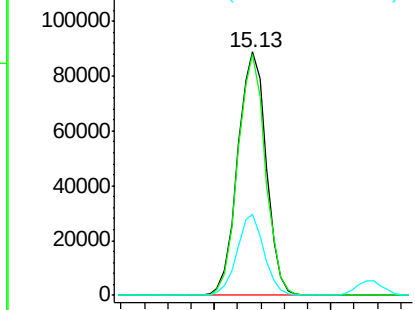
#93
 1,2,4-Trichlorobenzene
 Concen: 52.231 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.2	141.6
145	31.7	15.6	46.8

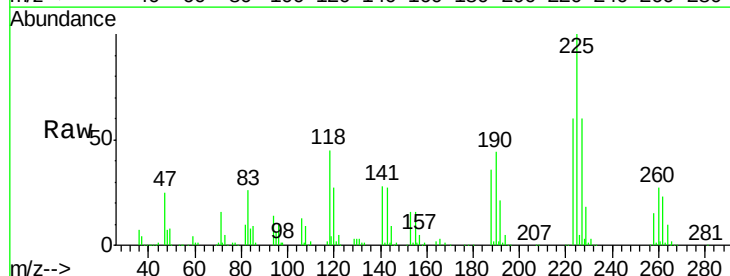


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

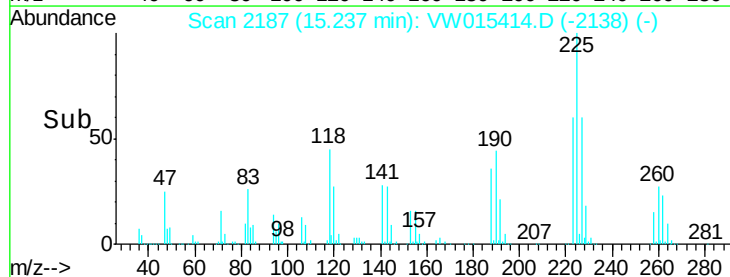
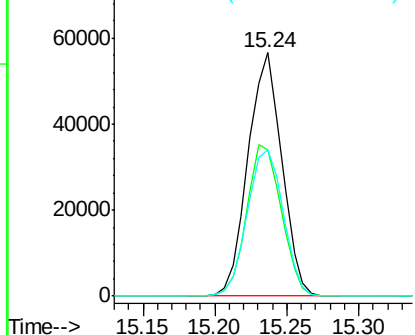


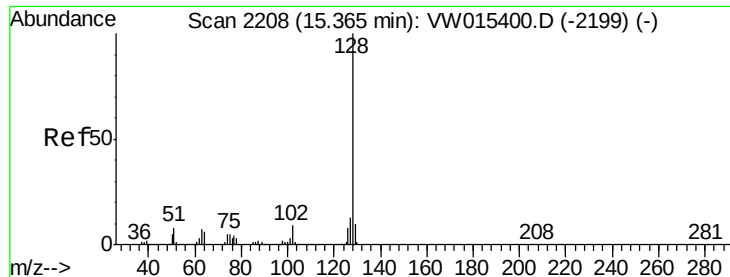
#94
 Hexachlorobutadiene
 Concen: 53.449 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015414.D
 Acq: 07 May 2020 12:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.7	92.1
227	63.9	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

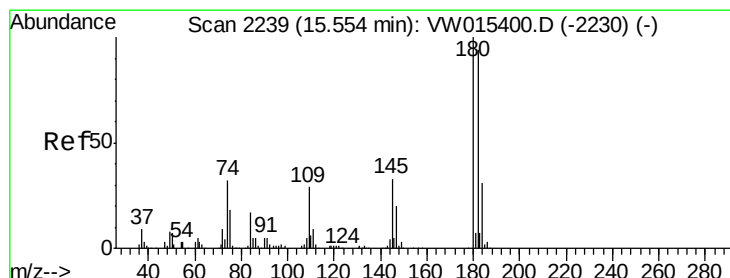
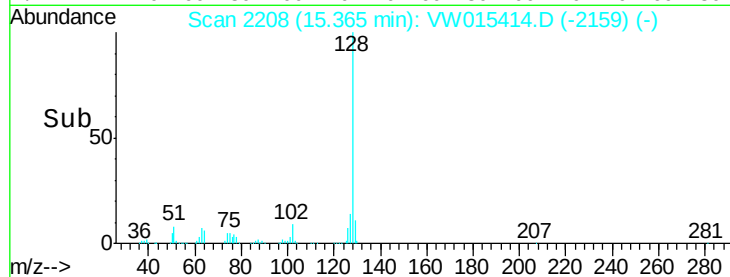
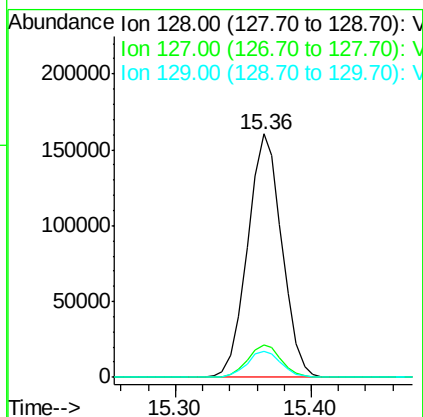
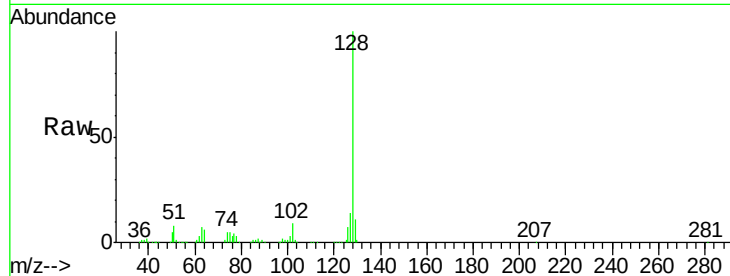




#95
Naphthalene
Concen: 54.387 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 282591
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.106 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015414.D
Acq: 07 May 2020 12:13

Tgt Ion:180 Resp: 132363
Ion Ratio Lower Upper
180 100
182 95.1 47.6 142.8
145 32.8 16.3 48.8

