

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015224.D
 Acq On : 20 Apr 2020 15:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 21 06:51:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181328	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	98758	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
35) Dibromofluoromethane	7.88	113	98502	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	10.32	98	411579	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.62	95	159266	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	102712	53.913	ug/l	97
3) Chloromethane	2.21	50	111043	53.523	ug/l	99
4) Vinyl Chloride	2.36	62	132041	53.897	ug/l	100
5) Bromomethane	2.78	94	96180	55.215	ug/l	96
6) Chloroethane	2.92	64	79080	52.038	ug/l	99
7) Trichlorofluoromethane	3.26	101	179982	51.917	ug/l	100
8) Diethyl Ether	3.69	74	50285	51.676	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	110853	51.853	ug/l	94
10) Methyl Iodide	4.28	142	123420	54.965	ug/l	99
11) Tert butyl alcohol	5.18	59	34694	215.734	ug/l	100
12) 1,1-Dichloroethene	4.04	96	107126	52.060	ug/l	97
13) Acrolein	3.90	56	20478	243.289	ug/l	93
14) Allyl chloride	4.68	41	142457	52.185	ug/l	87
15) Acrylonitrile	5.37	53	93497	252.484	ug/l	98
16) Acetone	4.14	43	83587	242.577	ug/l	93
17) Carbon Disulfide	4.39	76	320376	52.391	ug/l	98
18) Methyl Acetate	4.68	43	44756	49.069	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	247037	52.297	ug/l	96
20) Methylene Chloride	4.92	84	113752	50.371	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	121311	51.981	ug/l	96
22) Diisopropyl ether	6.31	45	274752	52.464	ug/l	92
23) Vinyl Acetate	6.26	43	803327	261.402	ug/l	96
24) 1,1-Dichloroethane	6.22	63	191082	52.648	ug/l	99
25) 2-Butanone	7.17	43	115069	251.702	ug/l #	89
26) 2,2-Dichloropropane	7.17	77	194205	50.861	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	132121	52.439	ug/l	100
28) Bromochloromethane	7.51	49	65646	49.747	ug/l #	77
29) Tetrahydrofuran	7.53	42	72160	253.352	ug/l	90
30) Chloroform	7.68	83	205988	52.586	ug/l	98
31) Cyclohexane	7.96	56	179663	49.246	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	196672	52.021	ug/l	99
36) 1,1-Dichloropropene	8.09	75	164254	53.829	ug/l	98
37) Ethyl Acetate	7.26	43	52110	52.620	ug/l #	97
38) Carbon Tetrachloride	8.07	117	177369	53.191	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	215178	52.982	ug/l	98
40) Benzene	8.32	78	440196	54.005	ug/l	97
41) Methacrylonitrile	7.48	41	28749	48.383	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	128349	53.488	ug/l	99
43) Isopropyl Acetate	8.42	43	109628	52.781	ug/l	95
44) Trichloroethene	9.09	130	135289	54.262	ug/l	95
45) 1,2-Dichloropropane	9.37	63	101908	53.762	ug/l	96
46) Dibromomethane	9.46	93	58176	53.057	ug/l #	88
47) Bromodichloromethane	9.65	83	157016	53.567	ug/l	98
48) Methyl methacrylate	9.43	41	51227	52.173	ug/l #	86
49) 1,4-Dioxane	9.46	88	15868	1085.548	ug/l #	82
51) 4-Methyl-2-Pentanone	10.21	43	260836	267.523	ug/l	97
52) Toluene	10.38	92	316015	55.396	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	154824	53.568	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	181344	53.980	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	80614	52.504	ug/l	98
56) Ethyl methacrylate	10.65	69	106880	54.036	ug/l	93
57) 1,3-Dichloropropane	10.93	76	137130	53.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	238434	260.012	ug/l	90
59) 2-Hexanone	10.96	43	182863	262.737	ug/l	97
60) Dibromochloromethane	11.13	129	108083	53.316	ug/l	99
61) 1,2-Dibromoethane	11.23	107	79906	53.336	ug/l	99
64) Tetrachloroethene	10.86	164	122286	53.020	ug/l	94
65) Chlorobenzene	11.66	112	341548	53.861	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	120912	53.051	ug/l	97
67) Ethyl Benzene	11.73	91	630786	53.340	ug/l	99
68) m/p-Xylenes	11.84	106	498964	107.642	ug/l	99
69) o-Xylene	12.16	106	236016	54.549	ug/l	98
70) Styrene	12.18	104	405400	54.968	ug/l	99
71) Bromoform	12.35	173	67201	52.329	ug/l #	96
73) Isopropylbenzene	12.46	105	653835	52.006	ug/l	100
74) N-amyl acetate	12.27	43	112240	51.316	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	88811	49.753	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	123735	88.208	ug/l #	100
77) Bromobenzene	12.74	156	150248	52.016	ug/l	85
78) n-propylbenzene	12.80	91	767852	52.455	ug/l	96
79) 2-Chlorotoluene	12.89	91	434613	52.684	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	564994	52.169	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	32170	50.132	ug/l	92
82) 4-Chlorotoluene	12.99	91	464290	53.008	ug/l	98
83) tert-Butylbenzene	13.21	119	492810	52.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	564064	52.806	ug/l	99
85) sec-Butylbenzene	13.38	105	689689	52.759	ug/l	98
86) p-Isopropyltoluene	13.49	119	640306	52.713	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	304383	53.036	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	301086	53.518	ug/l	98
89) n-Butylbenzene	13.82	91	573520	51.656	ug/l	98
90) Hexachloroethane	14.09	117	114904	51.581	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	262767	52.688	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16318	50.515	ug/l	90

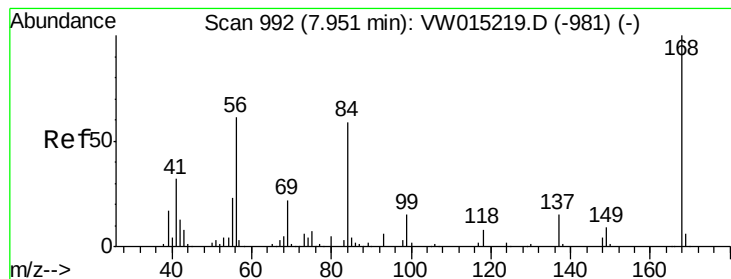
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	176448	50.901	ug/l	98
94) Hexachlorobutadiene	15.24	225	118655	51.341	ug/l	98
95) Naphthalene	15.36	128	287108	51.488	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	150430	53.336	ug/l	97

(#) = 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. -0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

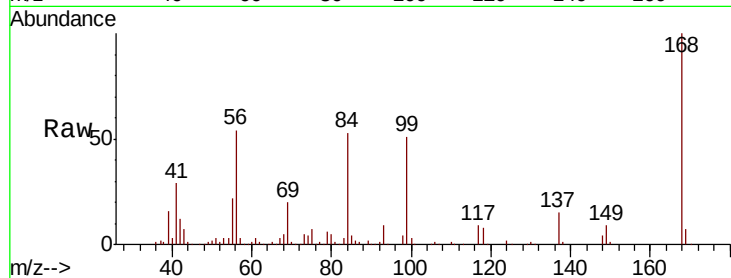
VSTDCCC050

Tot Ion:168 Resp: 241252

Ion Ratio Lower Upper

168 100

99 50.6 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

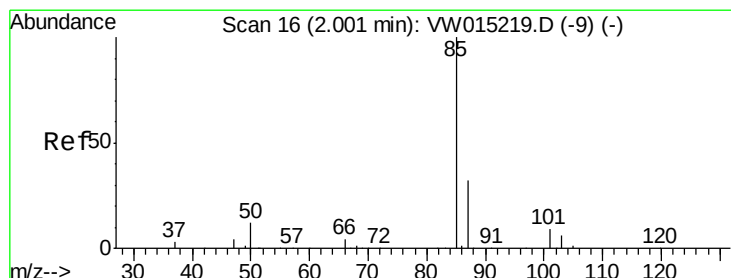
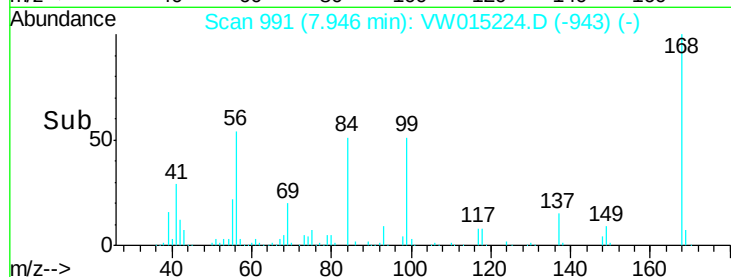
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.913 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015224.D

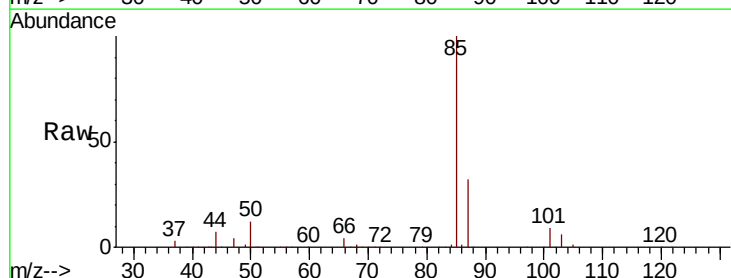
Acq: 20 Apr 2020 15:52

Tgt Ion: 85 Resp: 102712

Ion Ratio Lower Upper

85 100

87 32.5 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

60000

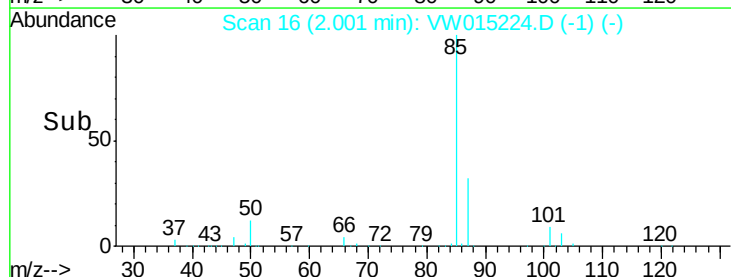
40000

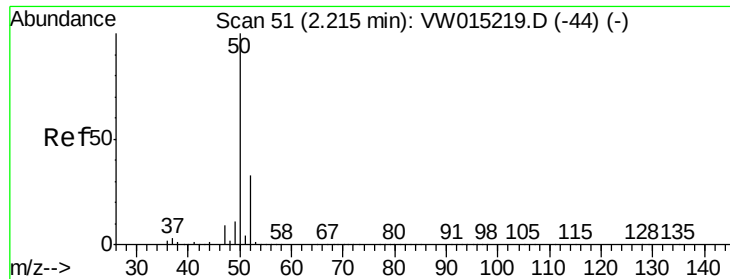
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 53.523 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

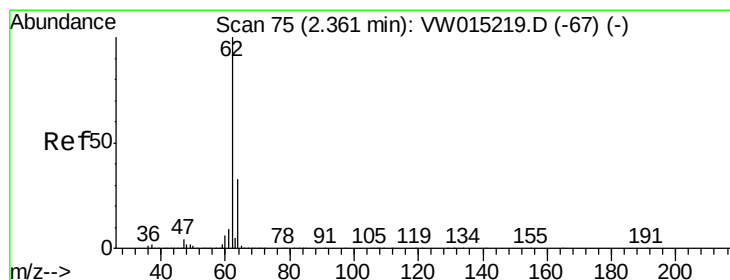
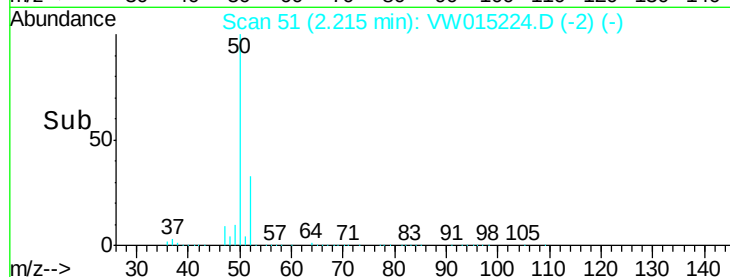
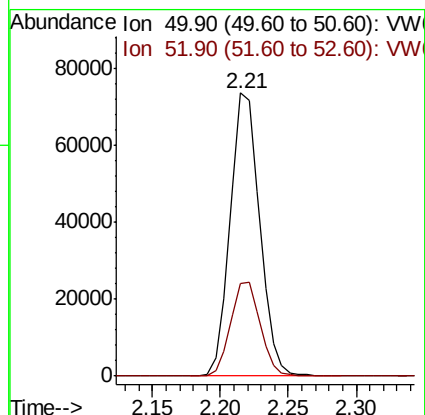
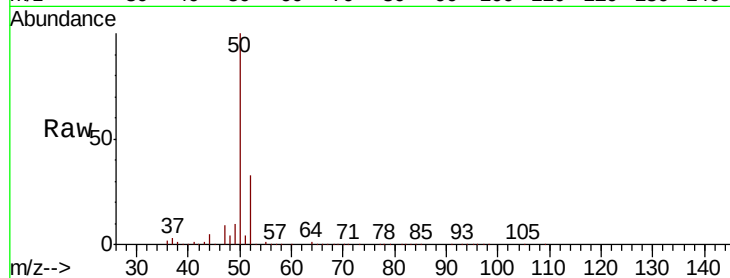
VSTDCCC050

Tot Ion: 50 Resp: 111043

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



#4

Vinyl Chloride

Concen: 53.897 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015224.D

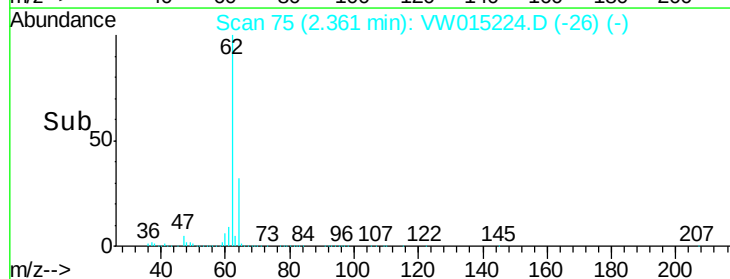
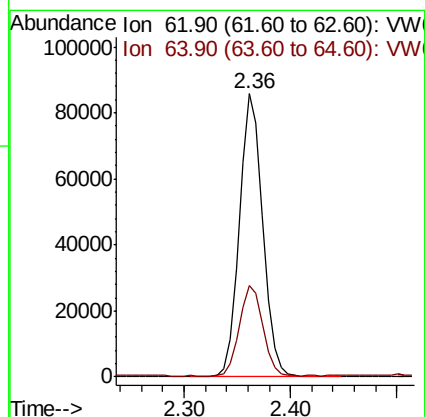
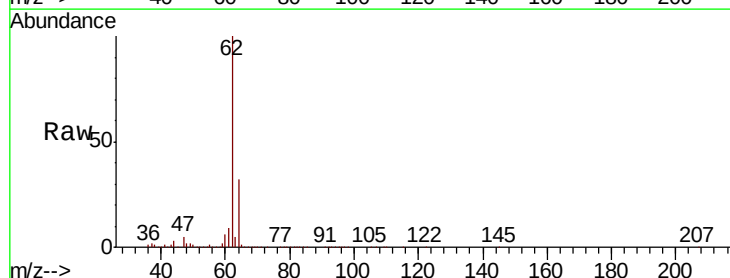
Acq: 20 Apr 2020 15:52

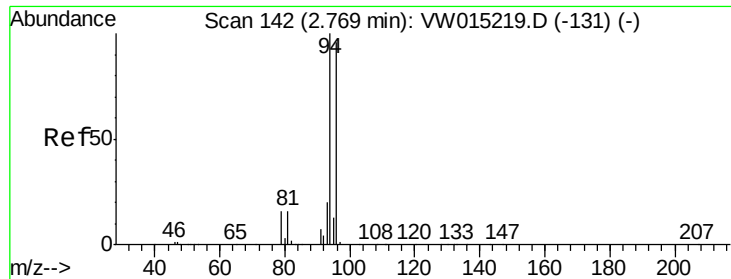
Tgt Ion: 62 Resp: 132041

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 55.215 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

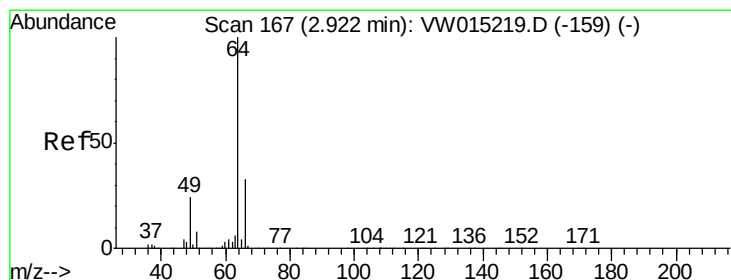
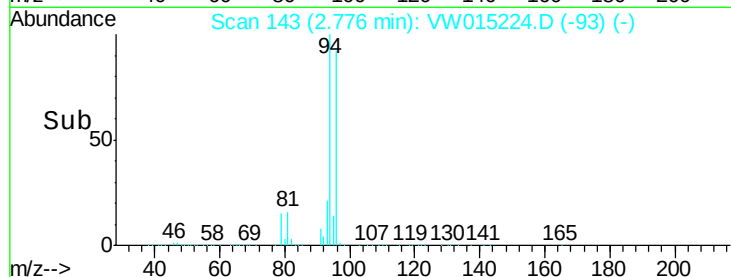
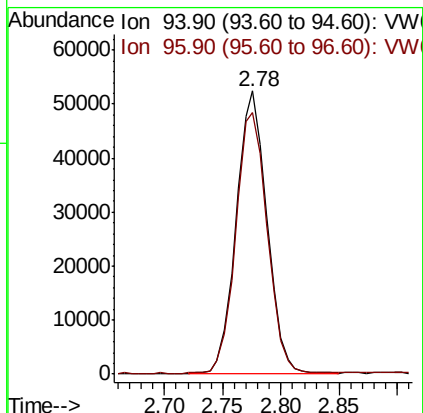
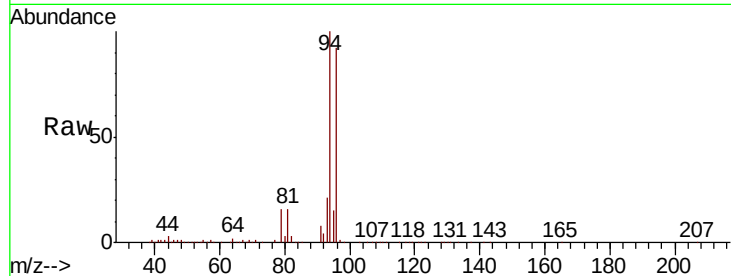
VSTDCCC050

Tot Ion: 94 Resp: 96180

Ion Ratio Lower Upper

94 100

96 92.0 70.4 105.6



#6

Chloroethane

Concen: 52.038 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015224.D

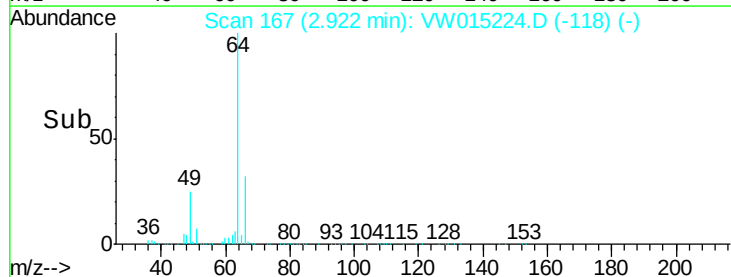
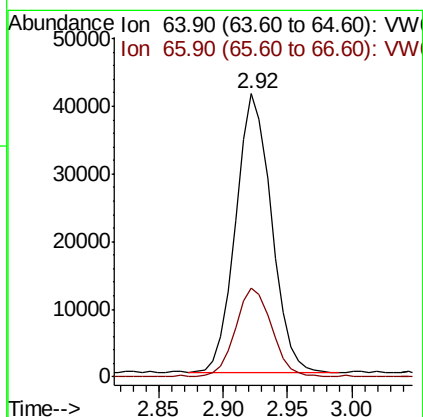
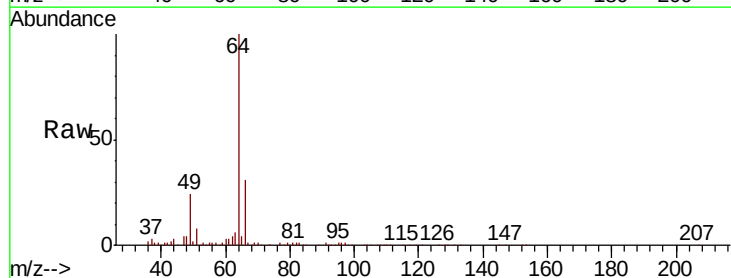
Acq: 20 Apr 2020 15:52

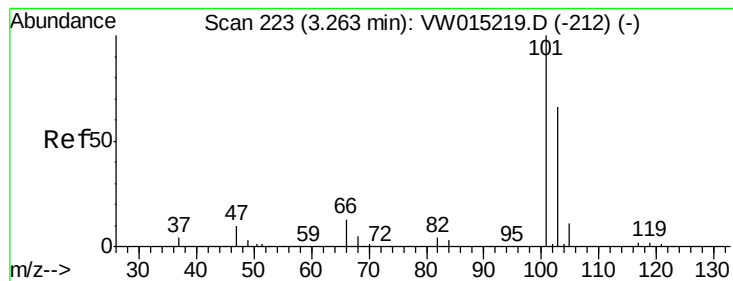
Tgt Ion: 64 Resp: 79080

Ion Ratio Lower Upper

64 100

66 31.6 25.8 38.6





#7

Trichlorofluoromethane

Concen: 51.917 ug/l

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

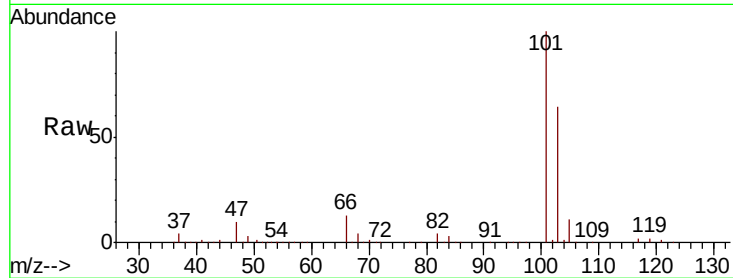
VSTDCCC050

Tot Ion:101 Resp: 179982

Ion Ratio Lower Upper

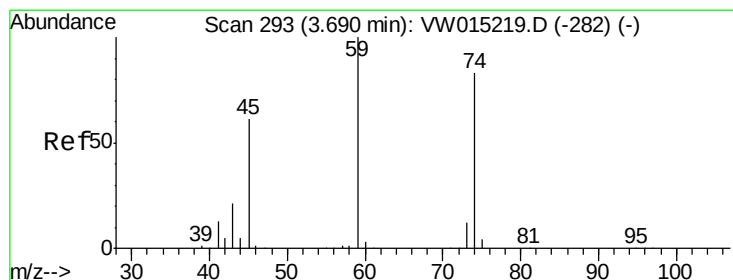
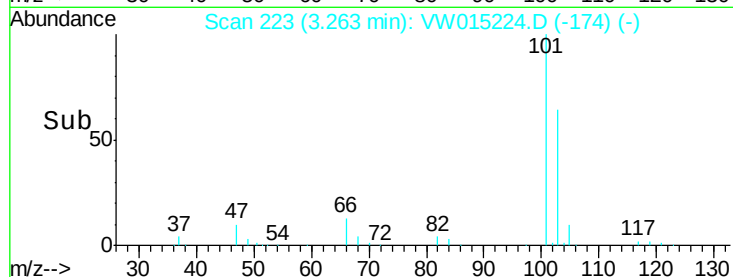
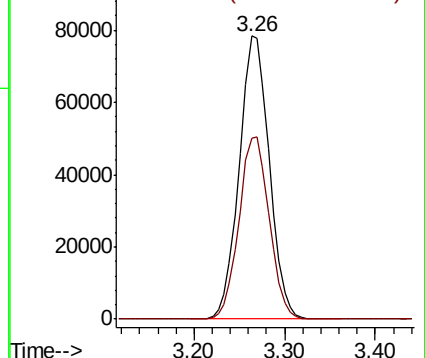
101 100

103 63.9 51.3 76.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 51.676 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW015224.D

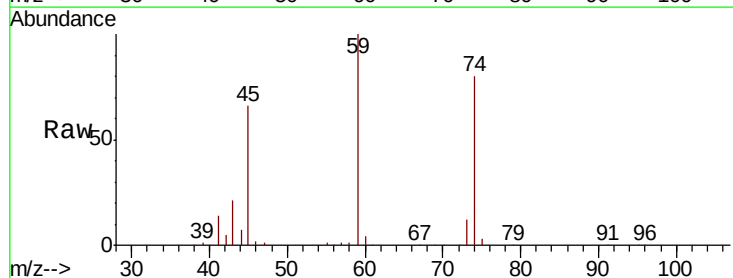
Acq: 20 Apr 2020 15:52

Tgt Ion: 74 Resp: 50285

Ion Ratio Lower Upper

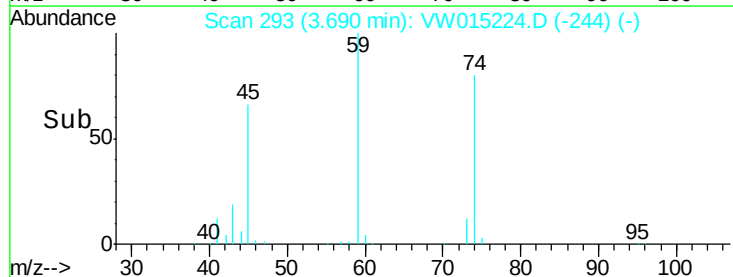
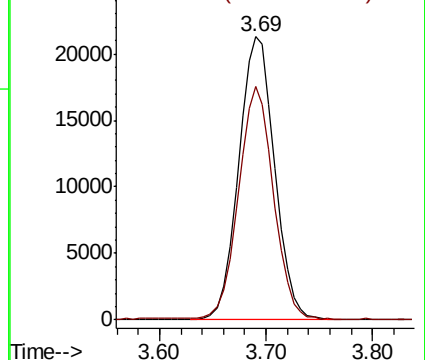
74 100

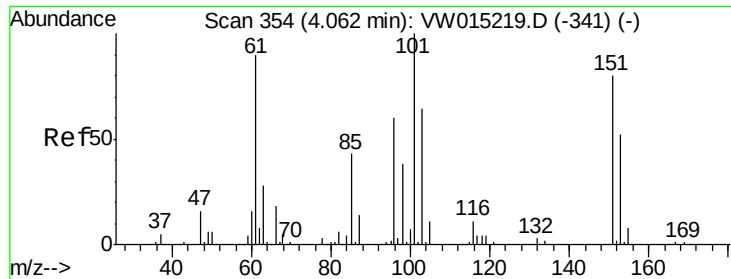
45 80.7 45.5 136.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.853 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

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ClientSampleId :

VSTDCCC050

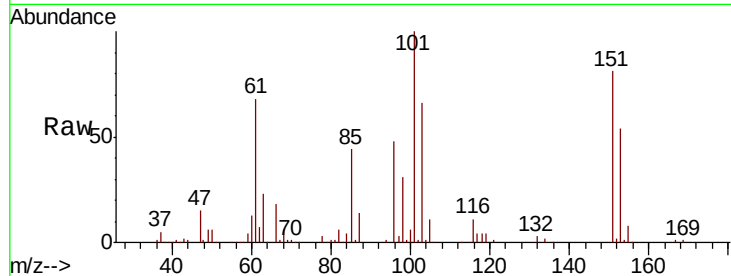
Tot Ion:101 Resp: 110853

Ion Ratio Lower Upper

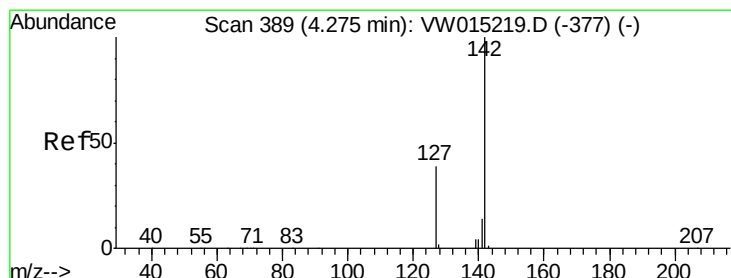
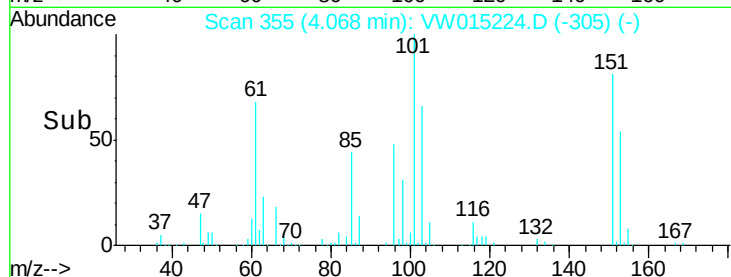
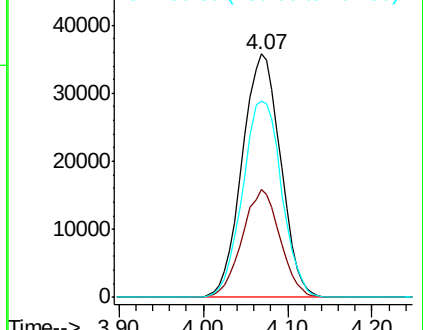
101 100

85 43.6 35.3 52.9

151 82.2 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.965 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

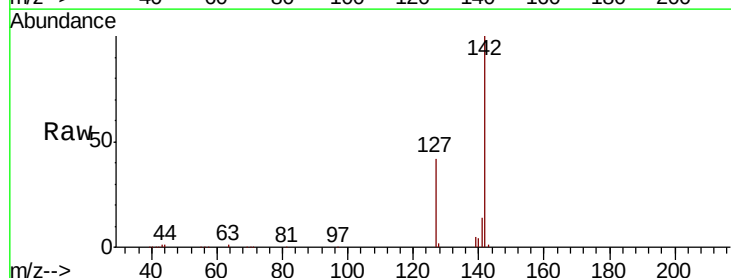
Tgt Ion:142 Resp: 123420

Ion Ratio Lower Upper

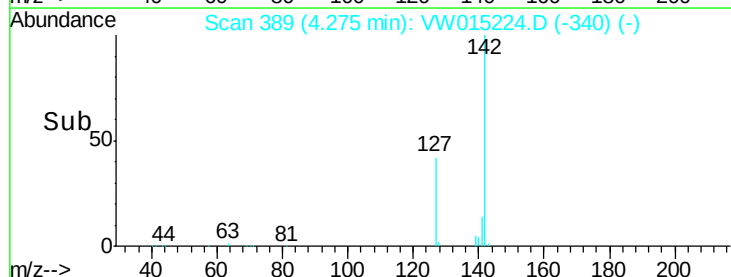
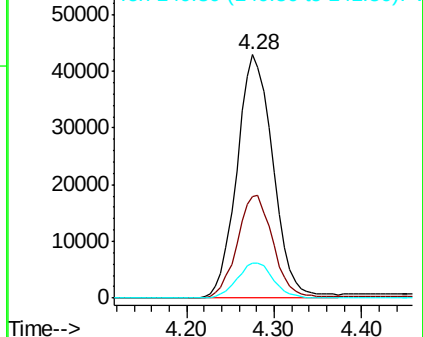
142 100

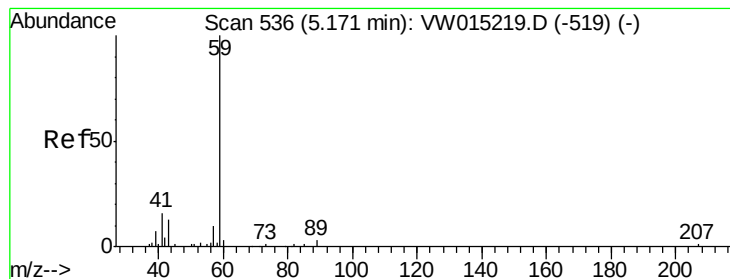
127 41.9 33.9 50.9

141 14.5 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



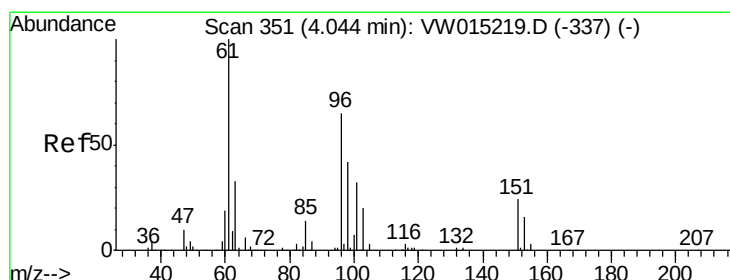
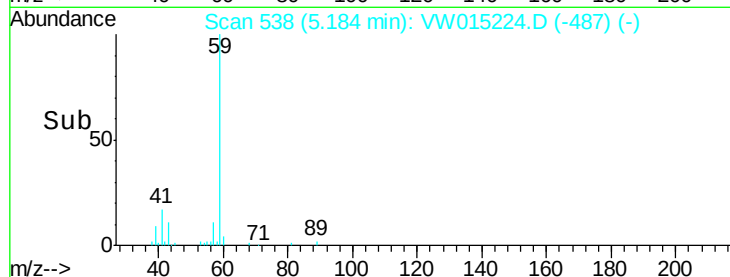
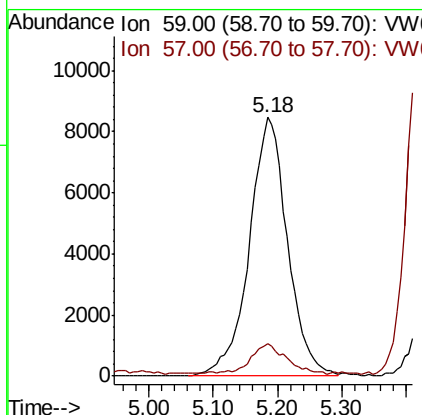
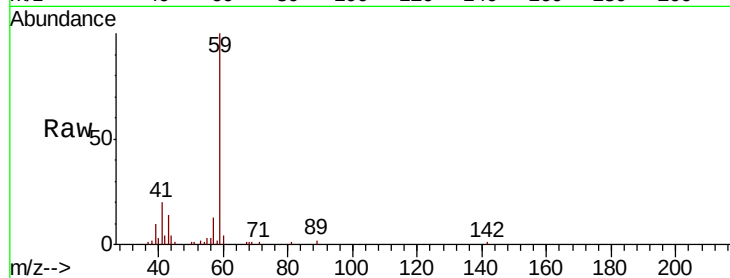


#11

Tert butyl alcohol
Concen: 215.734 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

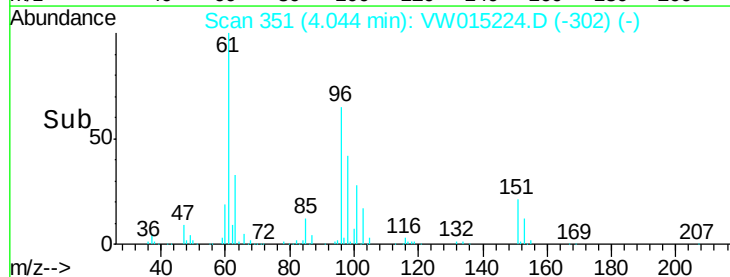
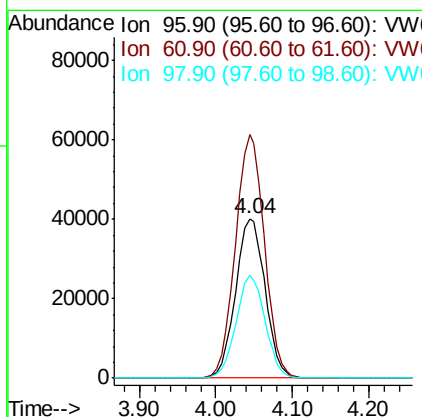
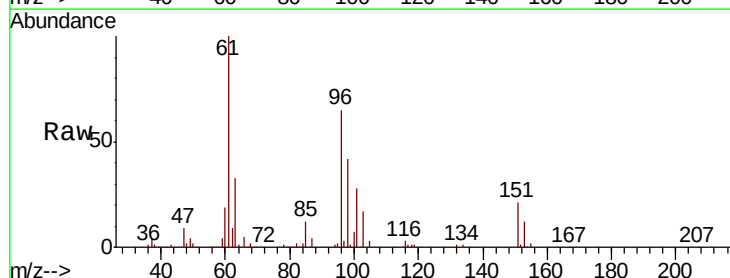
Tot Ion: 59 Resp: 34694
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

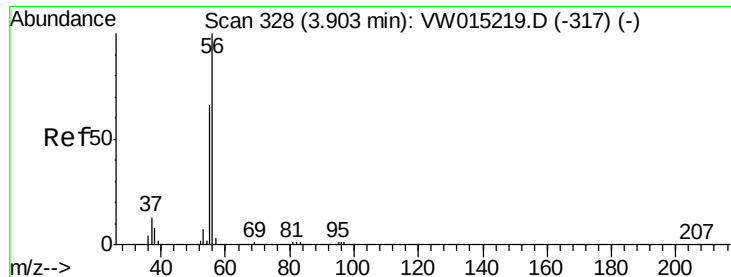


#12

1,1-Dichloroethene
Concen: 52.060 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 96 Resp: 107126
Ion Ratio Lower Upper
96 100
61 152.9 127.0 190.4
98 64.6 51.0 76.4





#13

Acrolein

Concen: 243.289 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

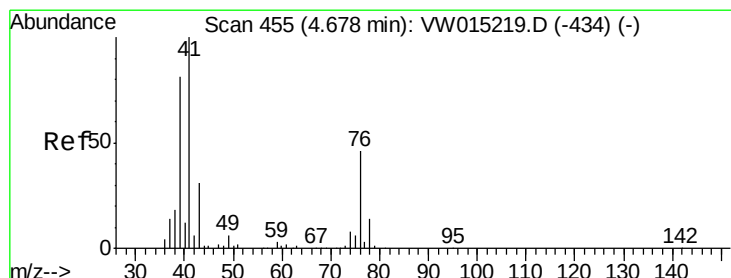
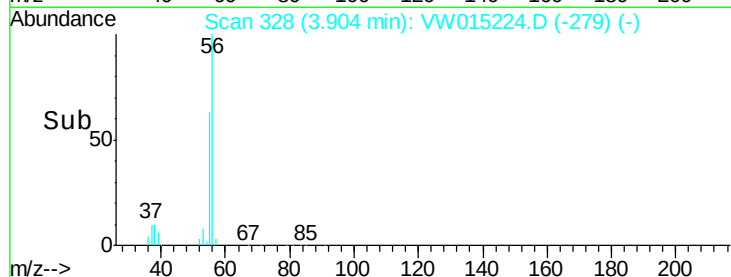
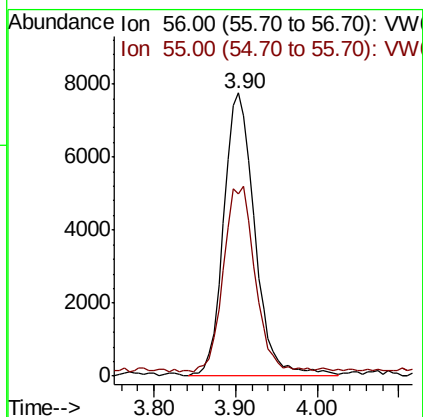
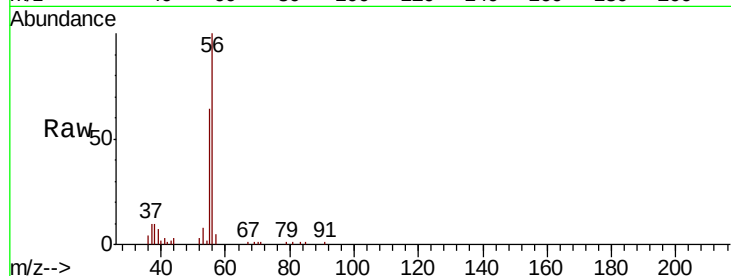
VSTDCCC050

Tot Ion: 56 Resp: 20478

Ion Ratio Lower Upper

56 100

55 64.8 56.2 84.2



#14

Allyl chloride

Concen: 52.185 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

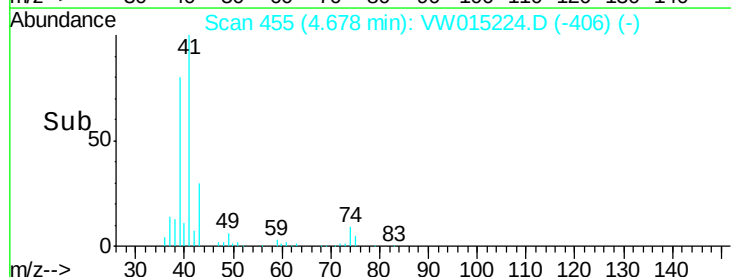
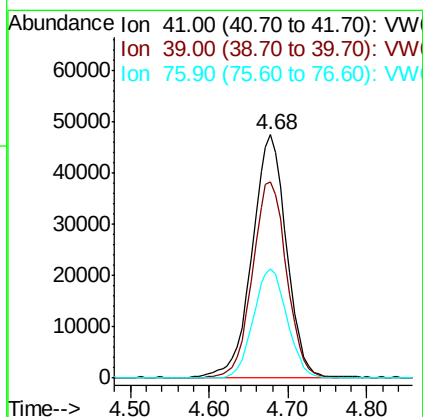
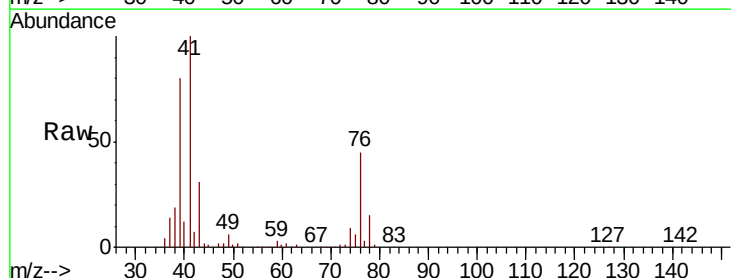
Tgt Ion: 41 Resp: 142457

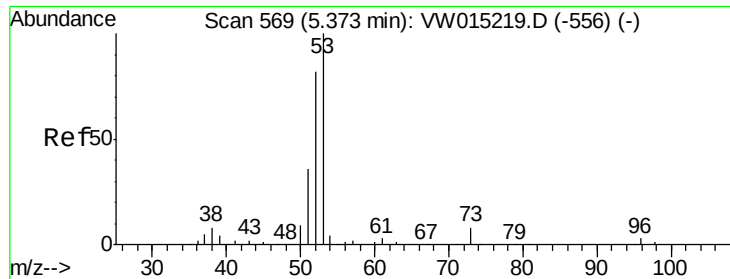
Ion Ratio Lower Upper

41 100

39 80.5 54.0 81.0

76 44.2 31.8 47.6





#15

Acrylonitrile

Concen: 252.484 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

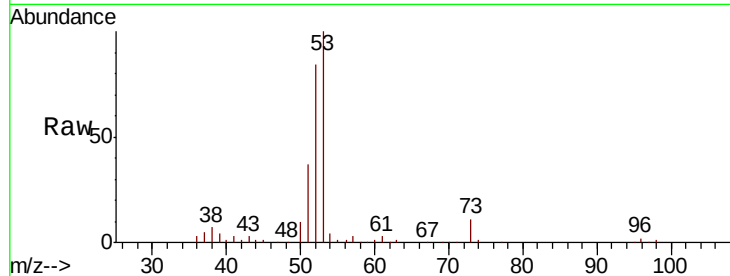
Tot Ion: 53 Resp: 93497

Ion Ratio Lower Upper

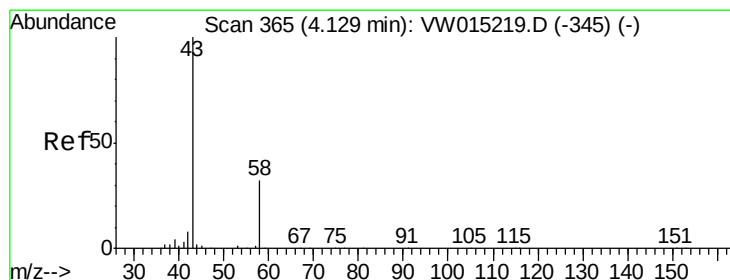
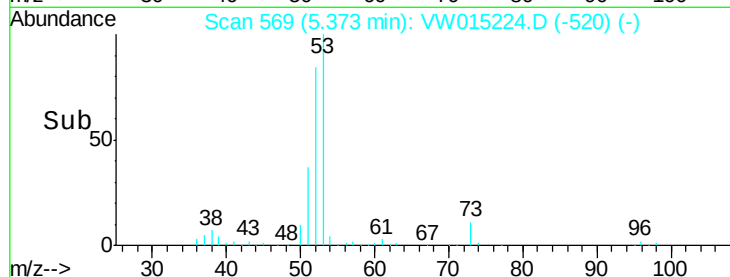
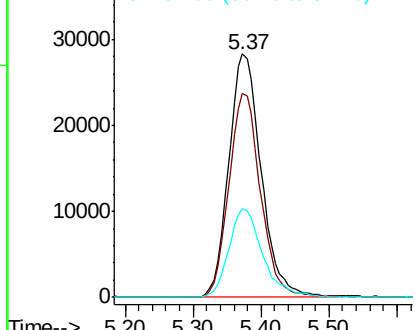
53 100

52 81.9 65.2 97.8

51 38.1 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 242.577 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015224.D

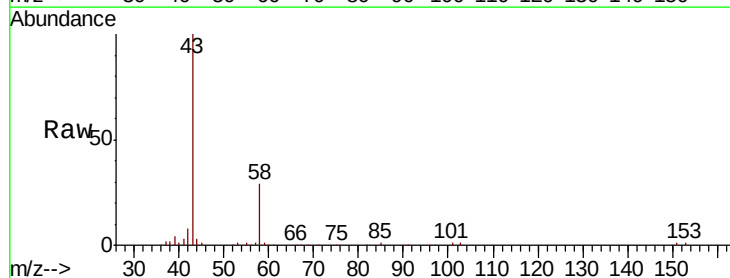
Acq: 20 Apr 2020 15:52

Tgt Ion: 43 Resp: 83587

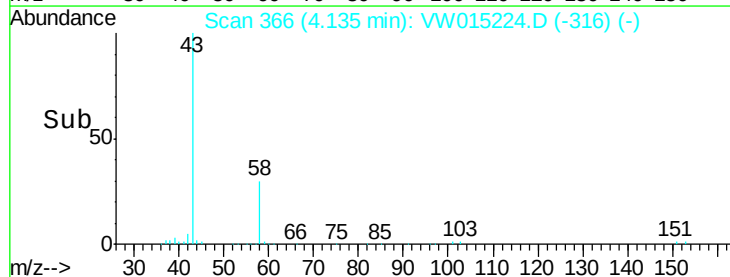
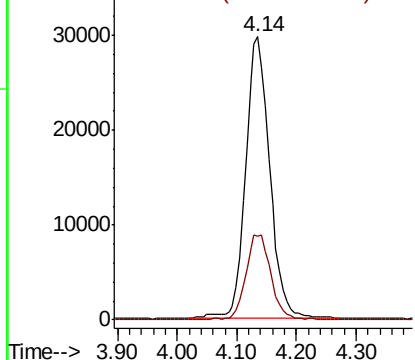
Ion Ratio Lower Upper

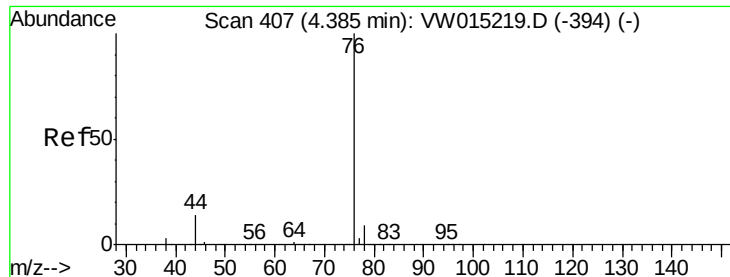
43 100

58 29.6 27.0 40.4



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

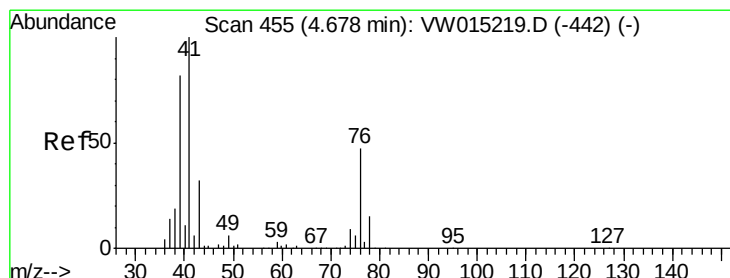
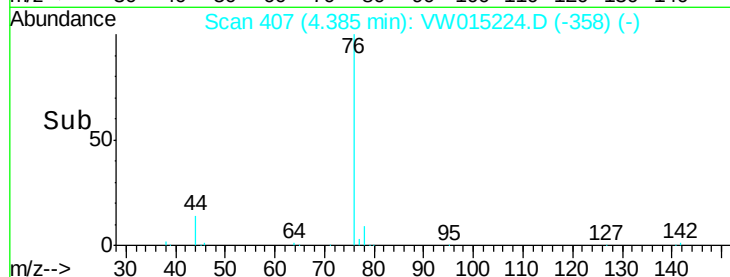
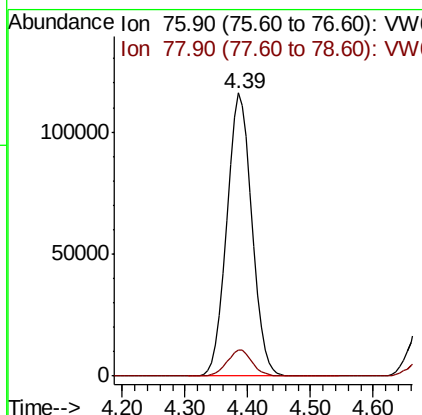
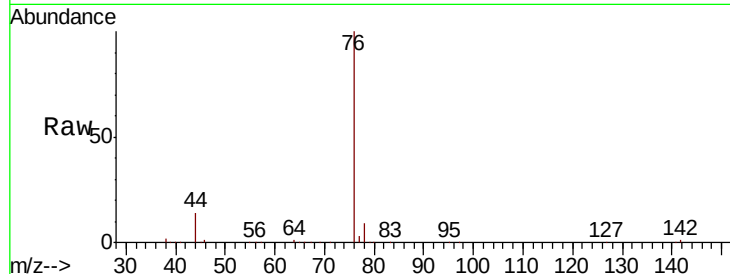




#17
Carbon Disulfide
Concen: 52.391 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

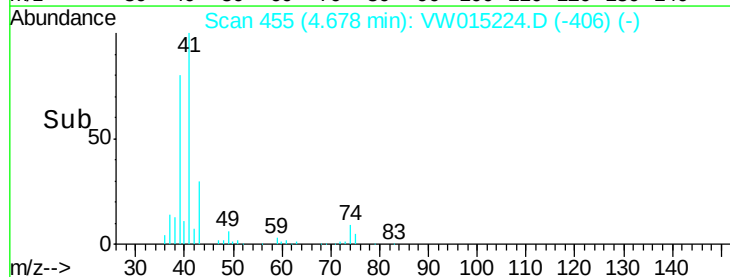
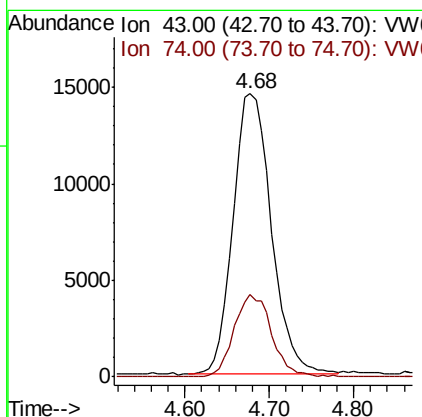
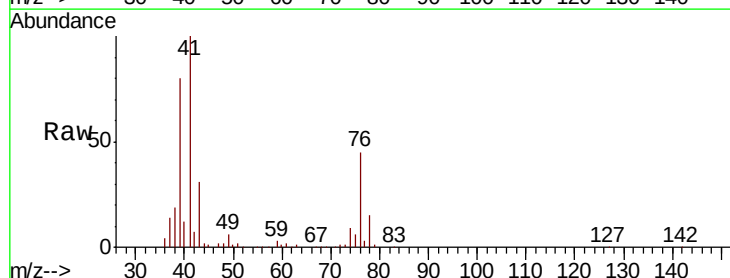
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

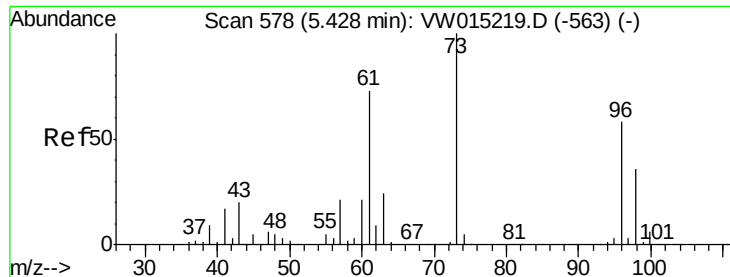
Tot Ion: 76 Resp: 320376
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 49.069 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 43 Resp: 44756
Ion Ratio Lower Upper
43 100
74 28.5 20.6 31.0

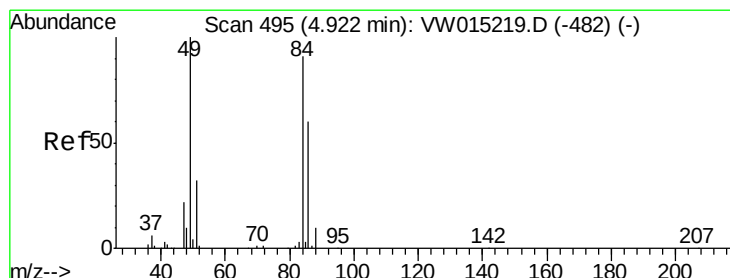
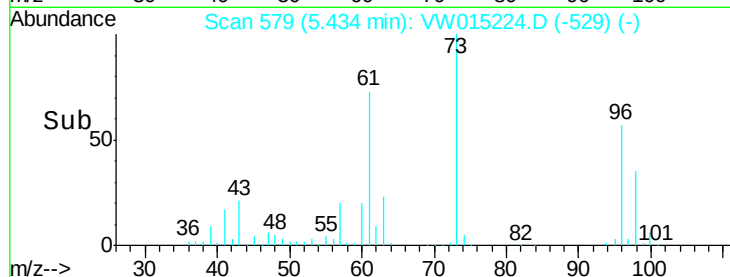
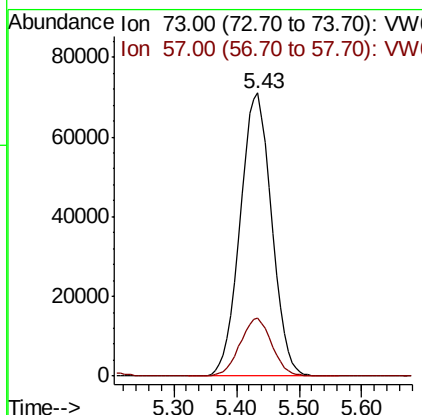
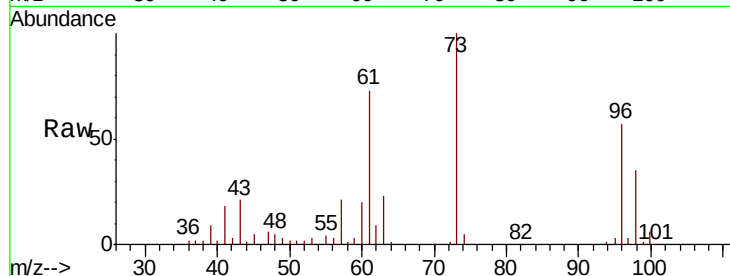




#19
Methyl tert-butyl Ether
Concen: 52.297 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

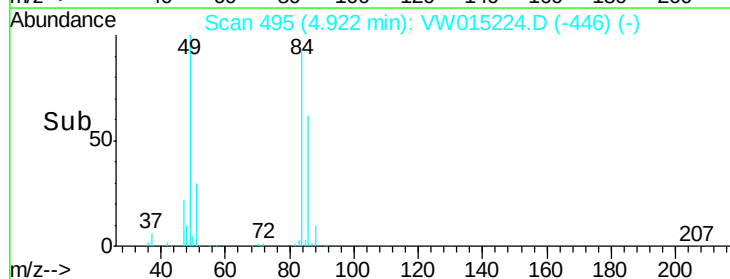
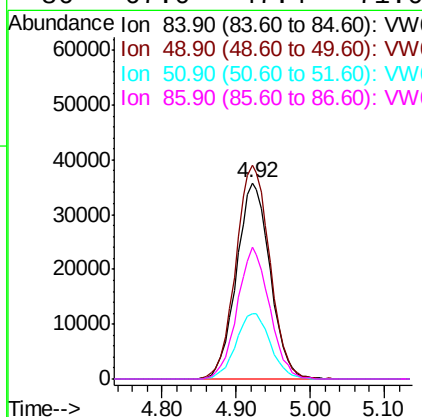
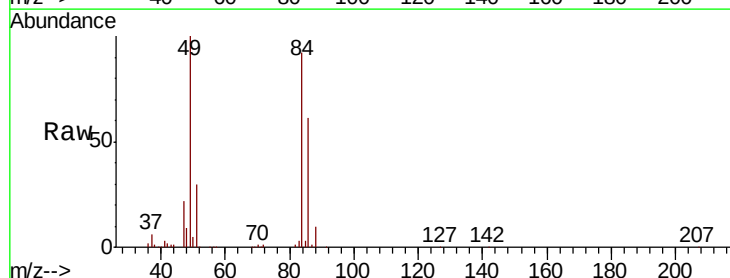
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

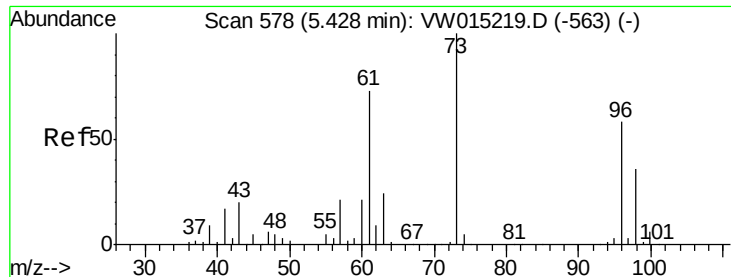
Tot Ion: 73 Resp: 247037
Ion Ratio Lower Upper
73 100
57 20.4 17.8 26.6



#20
Methylene Chloride
Concen: 50.371 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 84 Resp: 113752
Ion Ratio Lower Upper
84 100
49 109.0 95.4 143.0
51 33.2 29.8 44.8
86 67.0 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 51.981 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

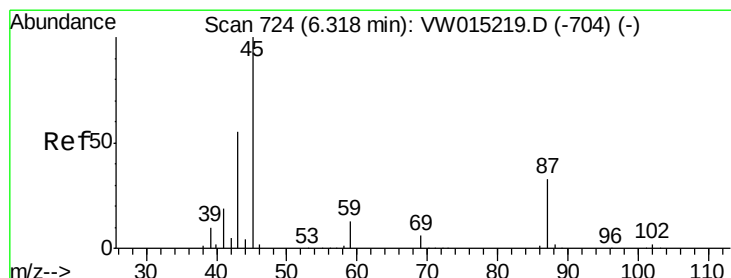
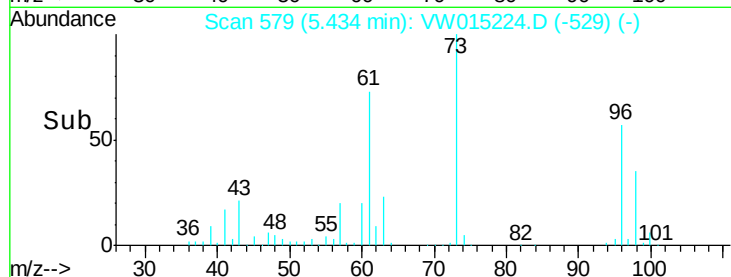
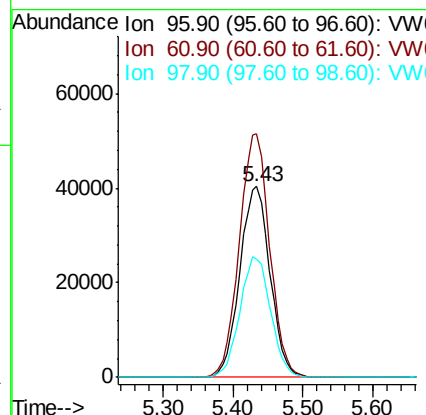
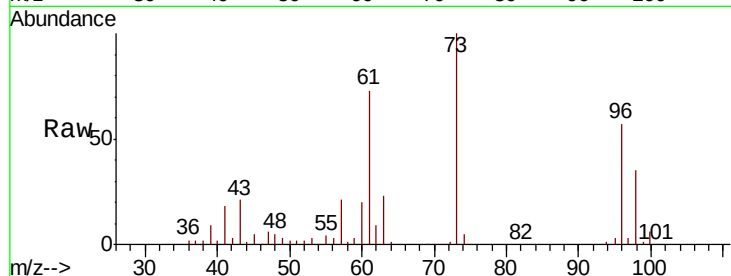
Tot Ion: 96 Resp: 121311

Ion Ratio Lower Upper

96 100

61 127.6 107.8 161.6

98 61.8 50.2 75.2



#22

Diisopropyl ether

Concen: 52.464 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion: 45 Resp: 274752

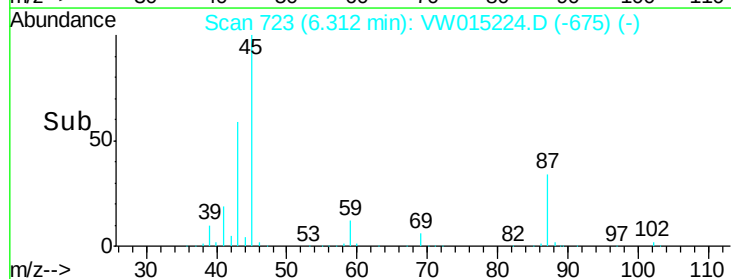
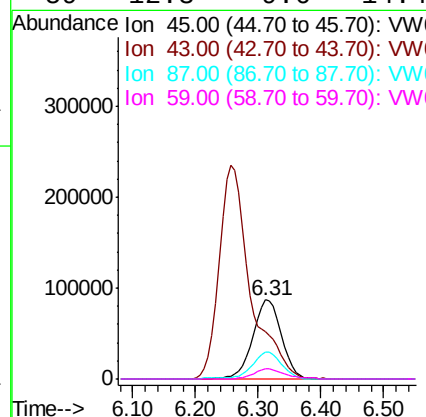
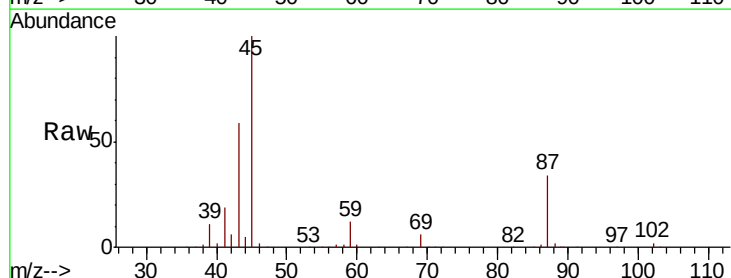
Ion Ratio Lower Upper

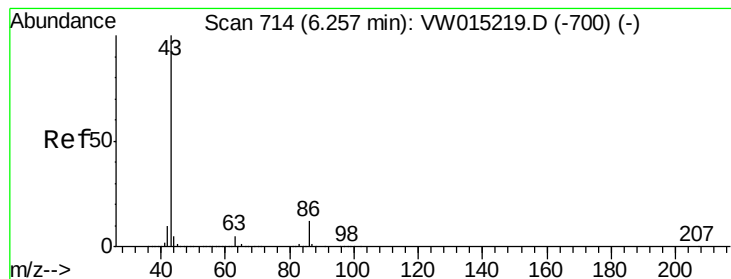
45 100

43 59.0 41.8 62.6

87 33.6 23.2 34.8

59 12.3 9.6 14.4





#23

Vinyl Acetate

Concen: 261.402 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

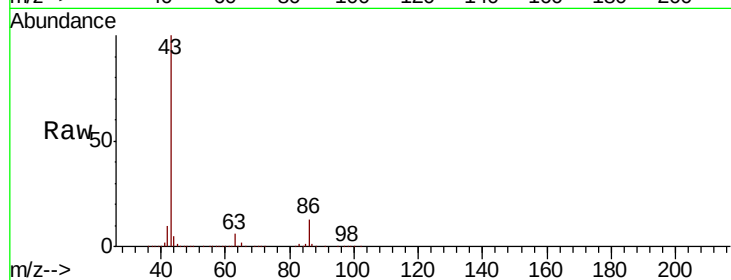
VSTDCCC050

Tot Ion: 43 Resp: 803327

Ion Ratio Lower Upper

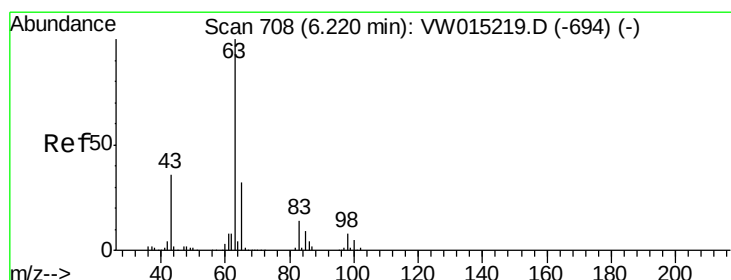
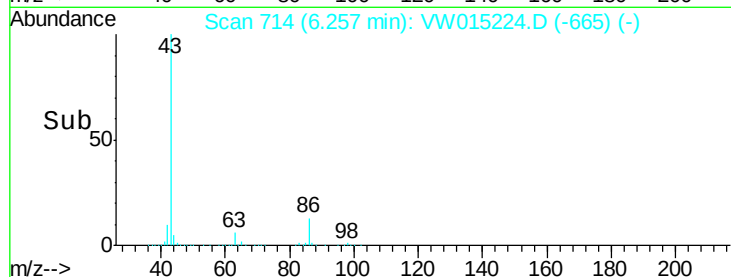
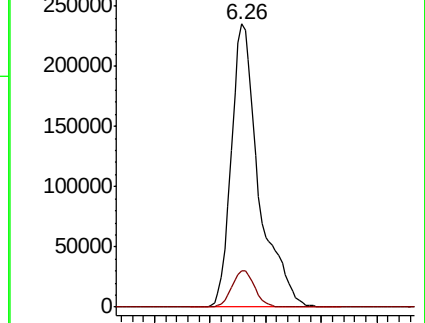
43 100

86 13.0 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 52.648 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

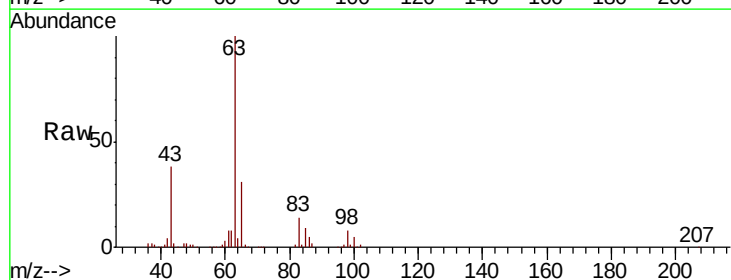
Tgt Ion: 63 Resp: 191082

Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

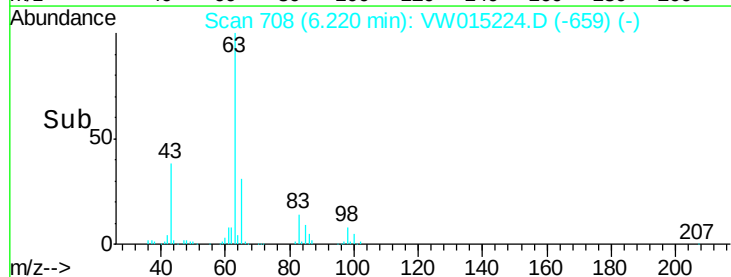
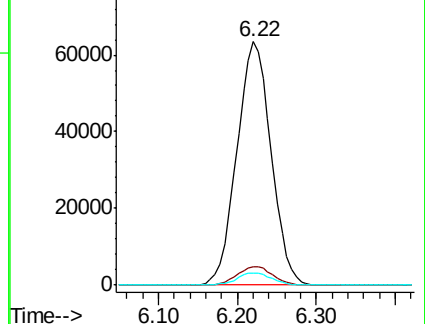
100 5.1 2.4 7.2

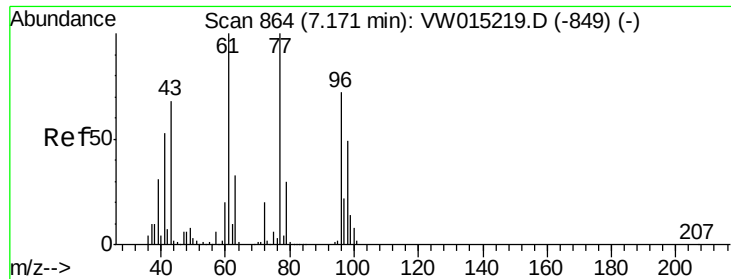


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 251.702 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

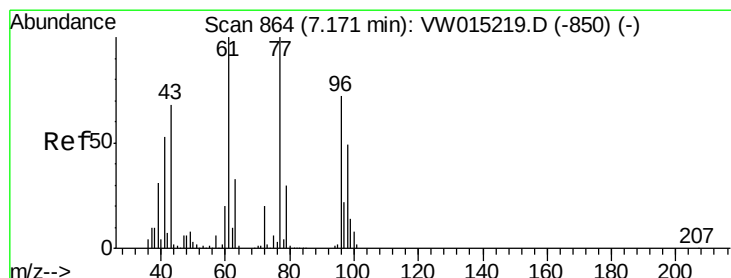
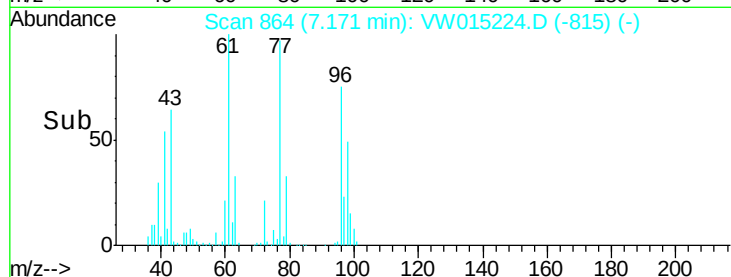
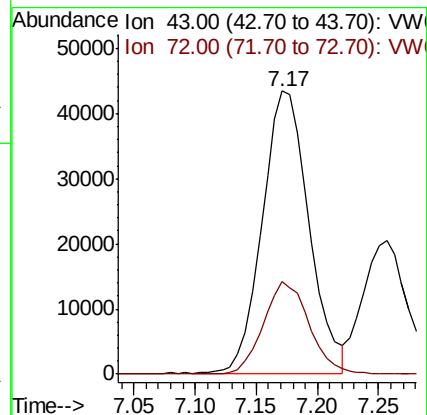
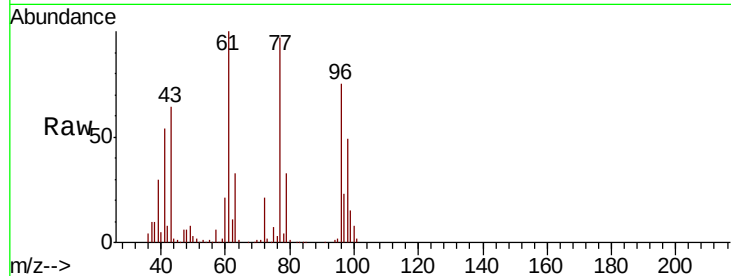
VSTDCCC050

Tot Ion: 43 Resp: 115069

Ion Ratio Lower Upper

43 100

72 32.8 21.6 32.4#



#26

2,2-Dichloropropane

Concen: 50.861 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015224.D

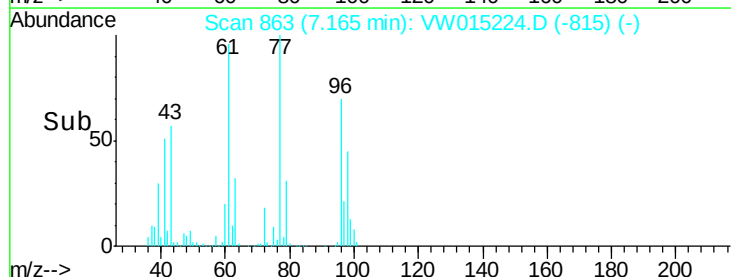
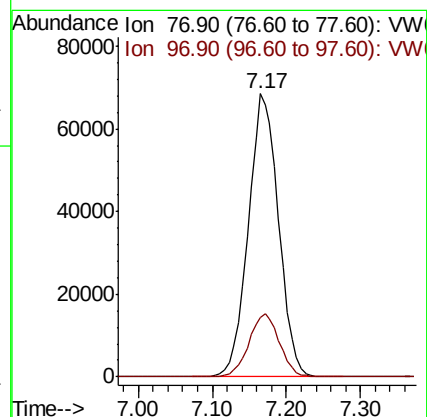
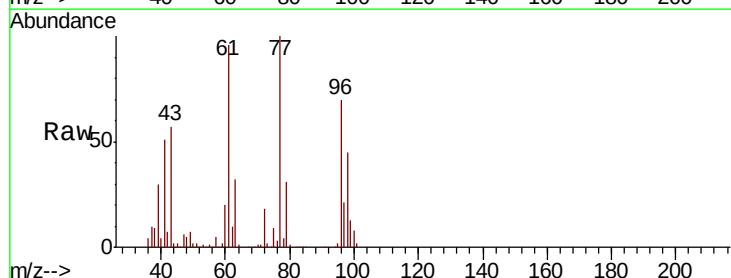
Acq: 20 Apr 2020 15:52

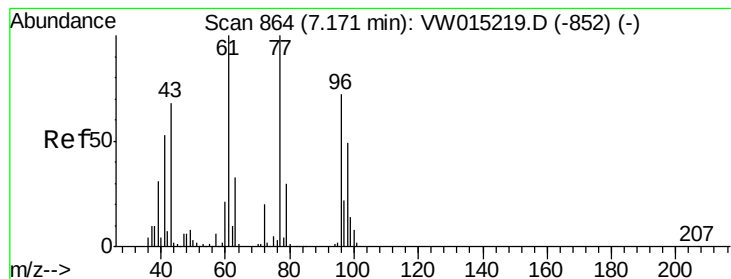
Tgt Ion: 77 Resp: 194205

Ion Ratio Lower Upper

77 100

97 22.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 52.439 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

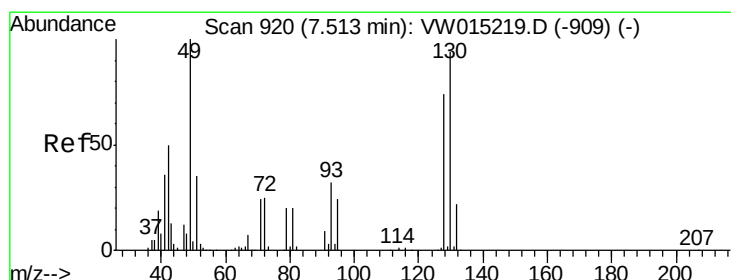
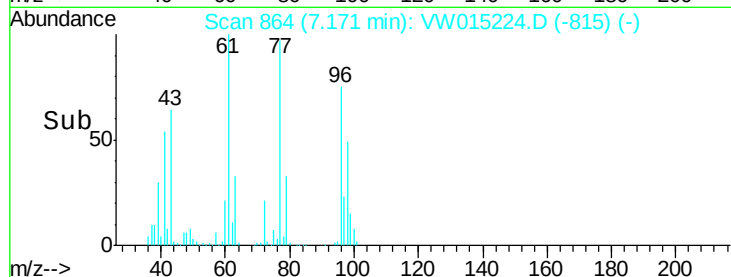
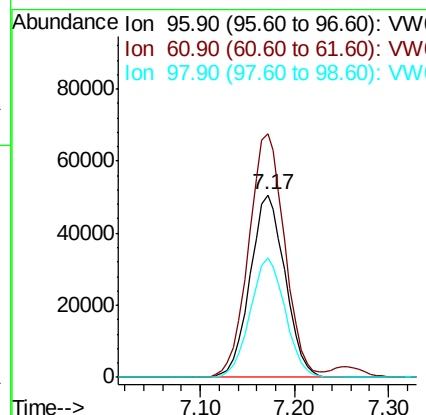
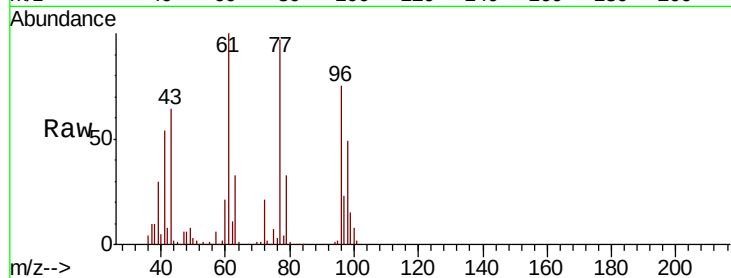
Tot Ion: 96 Resp: 132121

Ion Ratio Lower Upper

96 100

61 136.8 0.0 275.0

98 65.5 0.0 130.8



#28

Bromochloromethane

Concen: 49.747 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

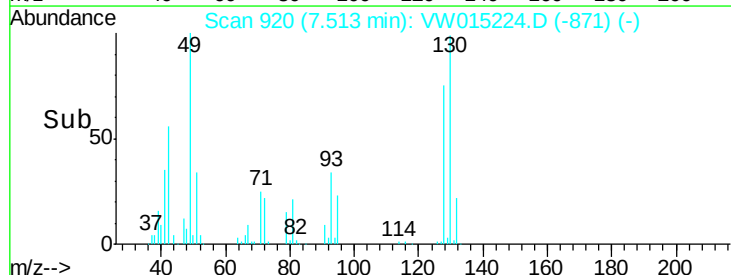
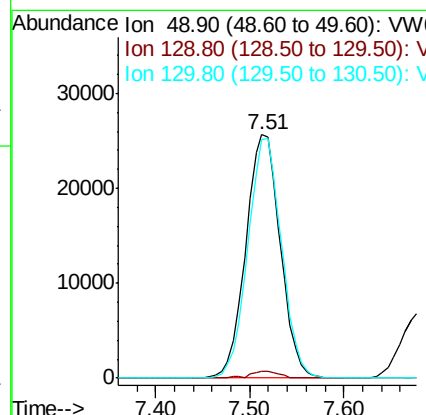
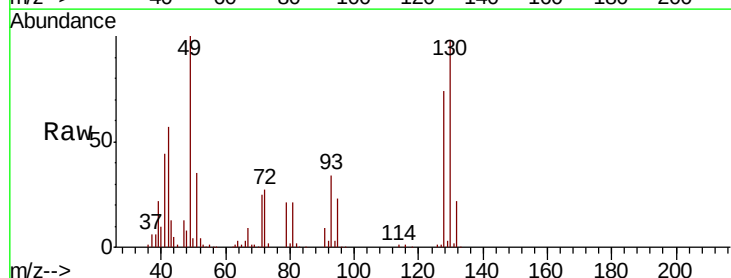
Tgt Ion: 49 Resp: 65646

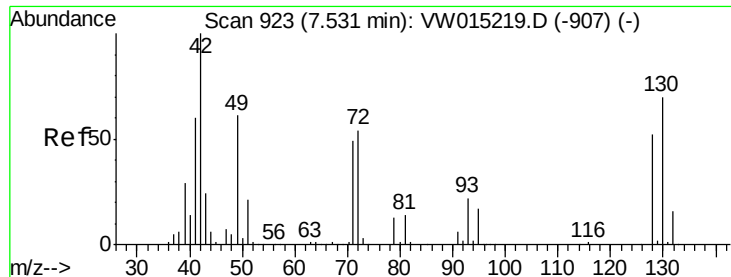
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

130 96.5 60.9 91.3#





#29

Tetrahydrofuran

Concen: 253.352 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

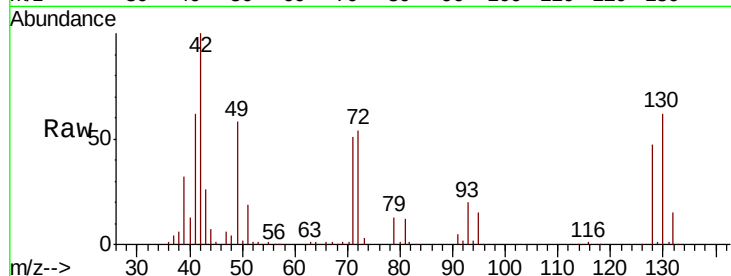
Tot Ion: 42 Resp: 72160

Ion Ratio Lower Upper

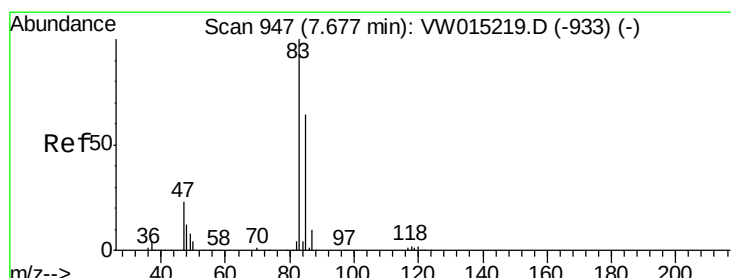
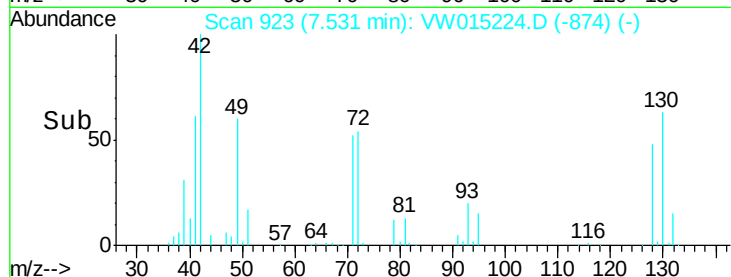
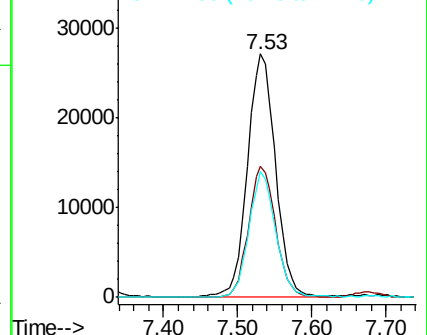
42 100

72 52.0 36.2 54.2

71 48.9 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 52.586 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015224.D

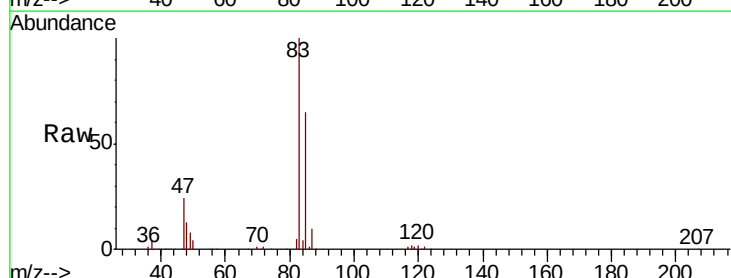
Acq: 20 Apr 2020 15:52

Tgt Ion: 83 Resp: 205988

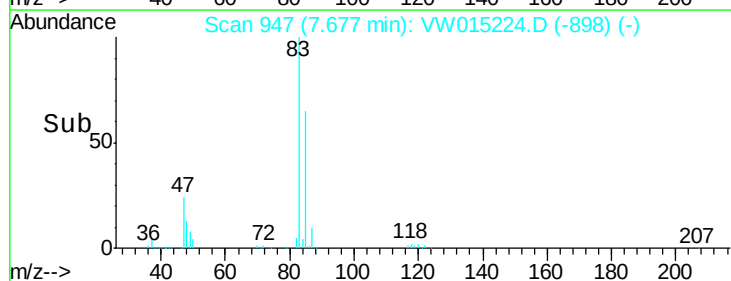
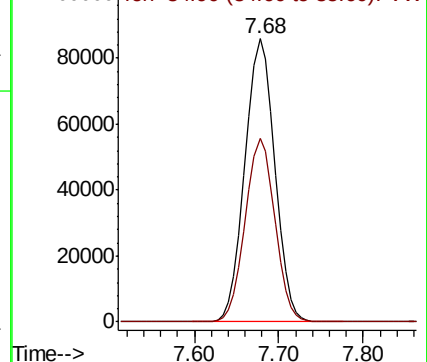
Ion Ratio Lower Upper

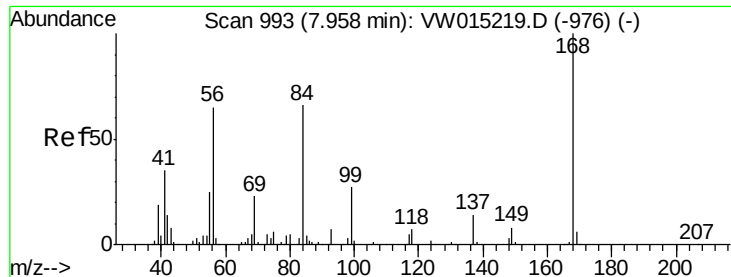
83 100

85 64.8 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

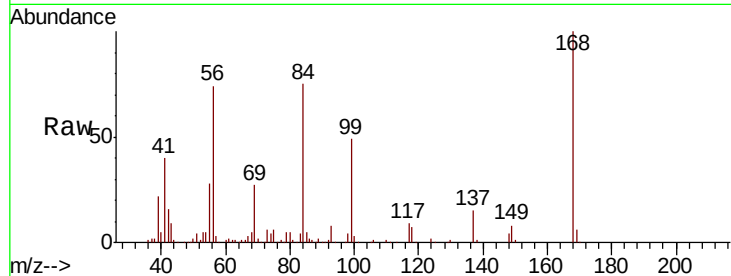




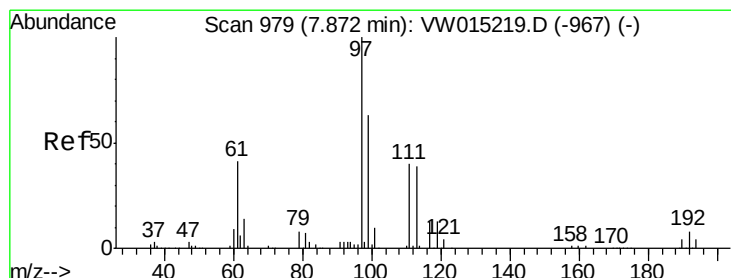
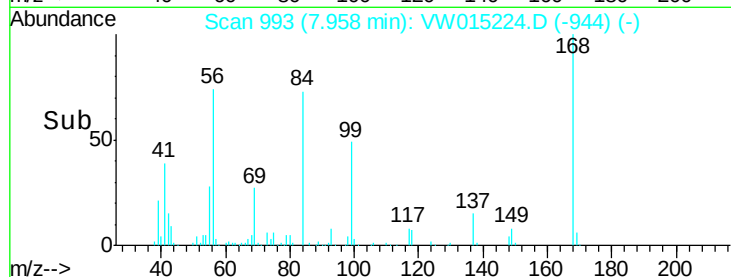
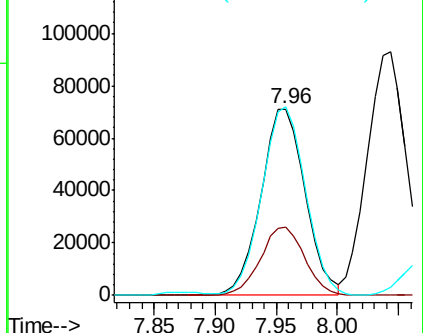
#31
Cyclohexane
Concen: 49.246 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 179663
Ion Ratio Lower Upper
56 100
69 36.8 27.1 40.7
84 99.6 71.9 107.9

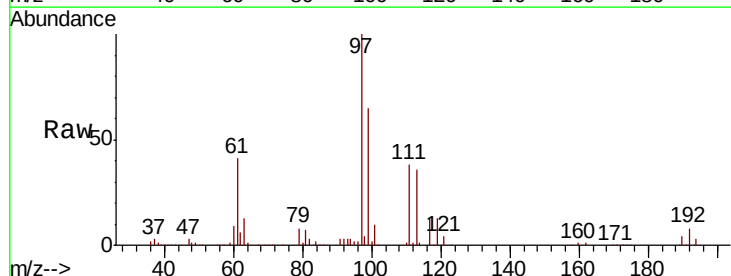


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

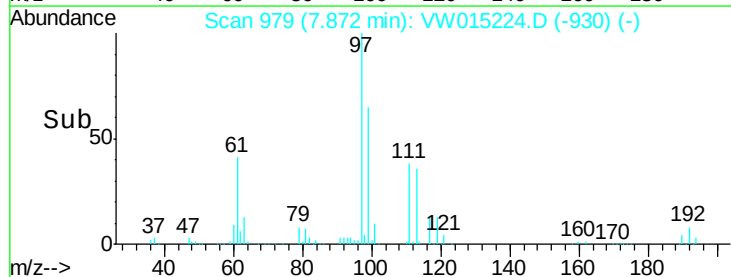
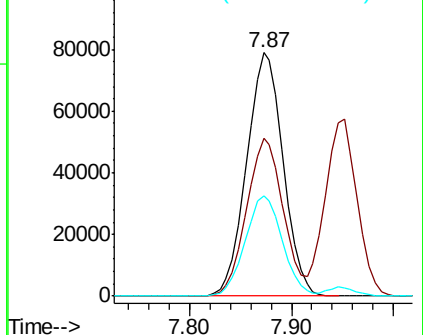


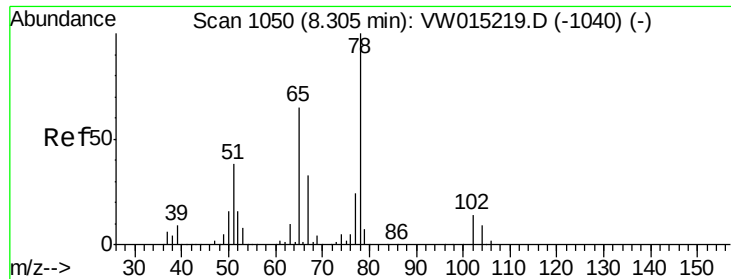
#32
1,1,1-Trichloroethane
Concen: 52.021 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 97 Resp: 196672
Ion Ratio Lower Upper
97 100
99 65.6 52.2 78.2
61 42.1 34.2 51.2



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

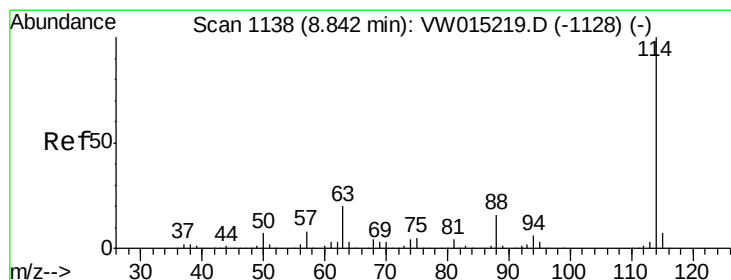
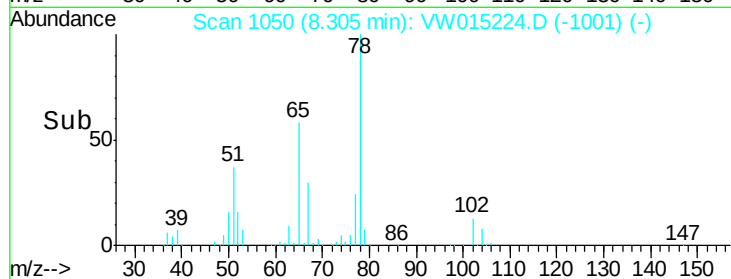
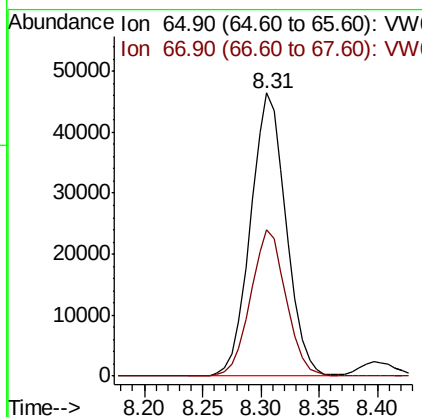
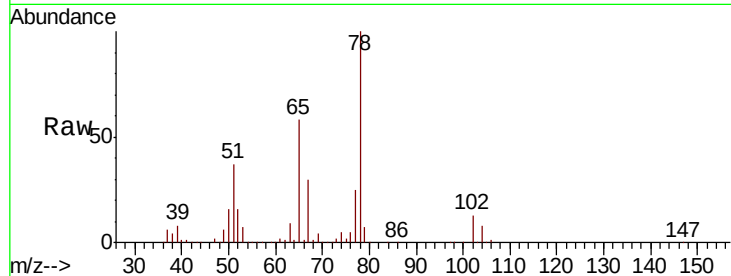




#33
 1,2-Dichloroethane-d4
 Concen: 50.059 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

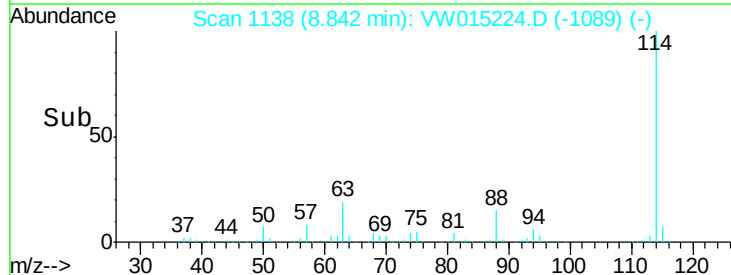
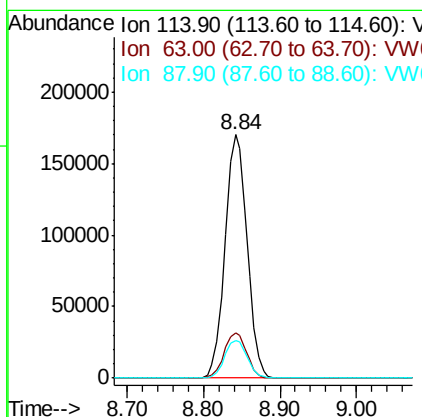
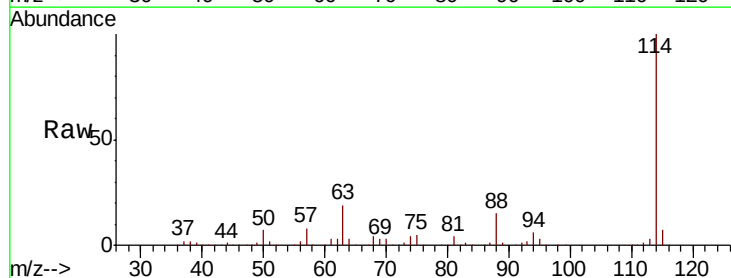
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

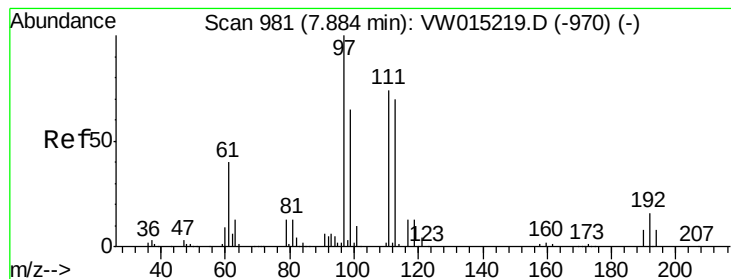
Tot Ion: 65 Resp: 98758
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion: 114 Resp: 338081
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.8
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.599 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

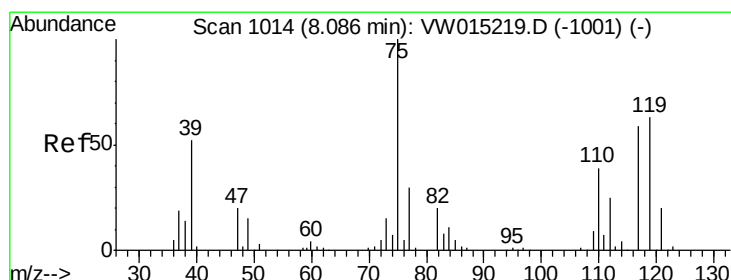
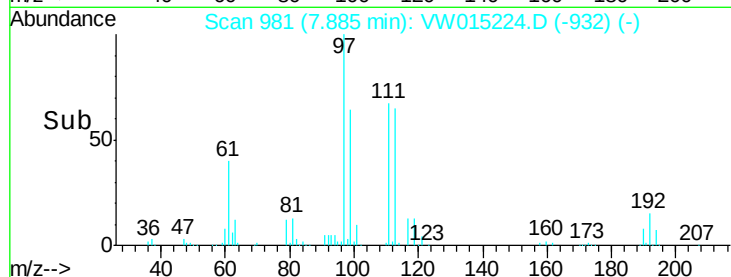
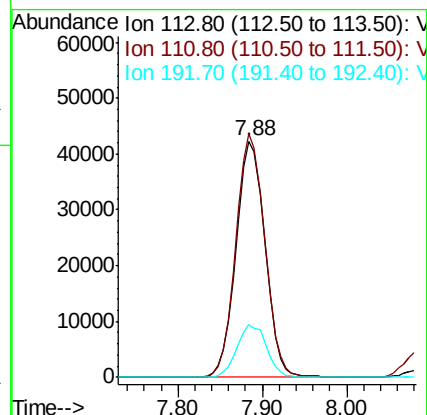
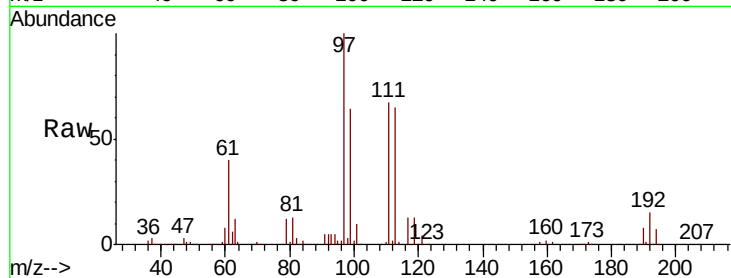
Tot Ion:113 Resp: 98502

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

192 22.9 15.1 22.7#



#36

1,1-Dichloropropene

Concen: 53.829 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

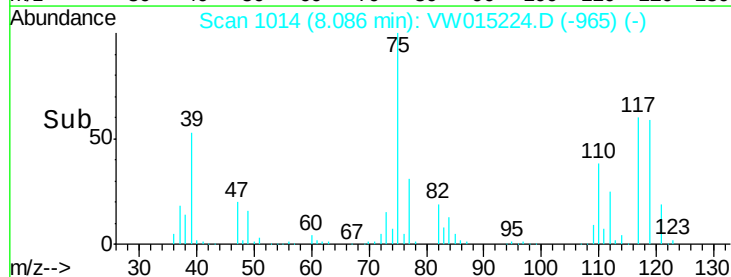
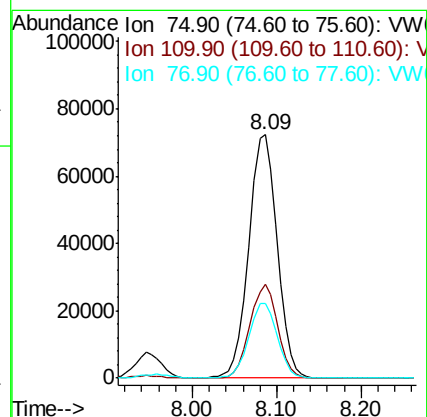
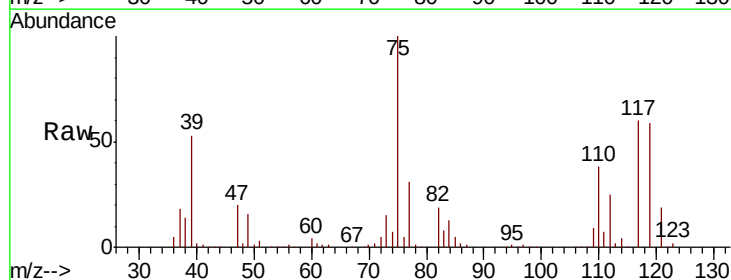
Tgt Ion: 75 Resp: 164254

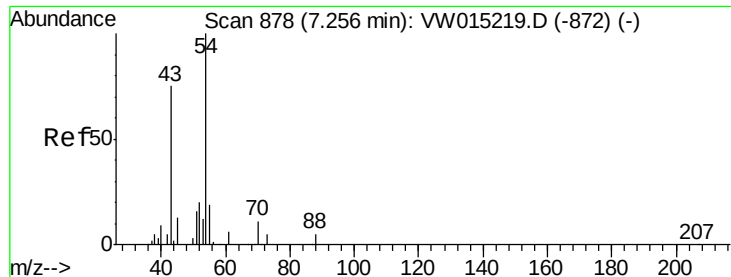
Ion Ratio Lower Upper

75 100

110 37.7 18.2 54.6

77 31.0 24.5 36.7





#37

Ethyl Acetate

Concen: 52.620 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

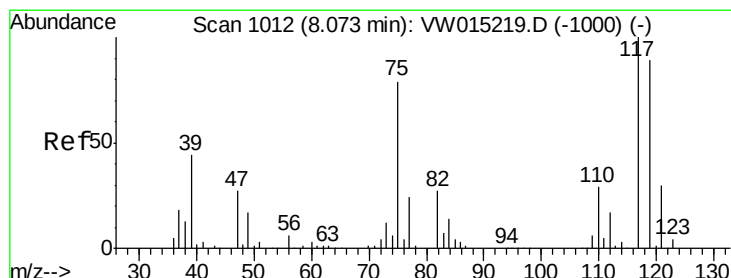
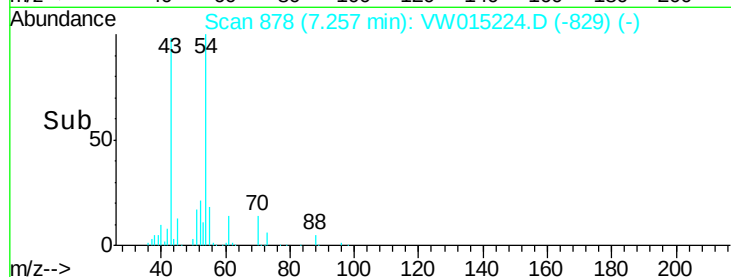
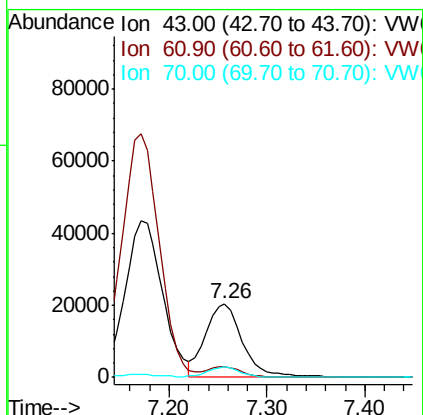
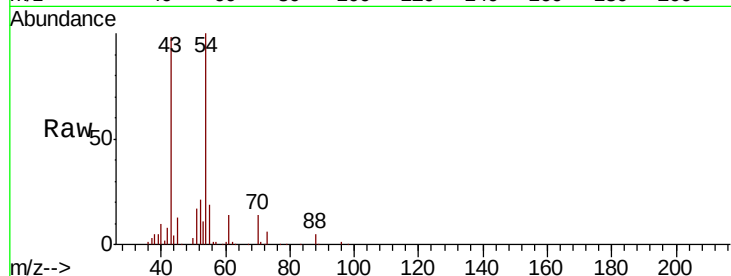
Tot Ion: 43 Resp: 52110

Ion Ratio Lower Upper

43 100

61 14.7 11.9 17.9

70 13.7 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 53.191 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

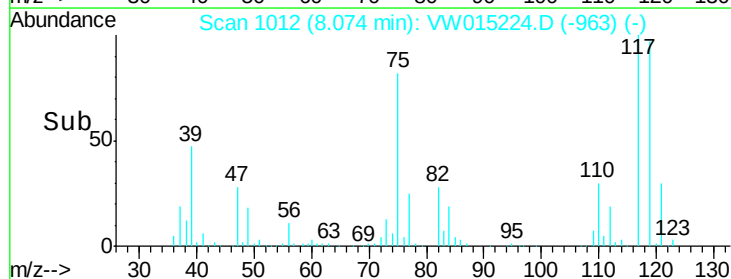
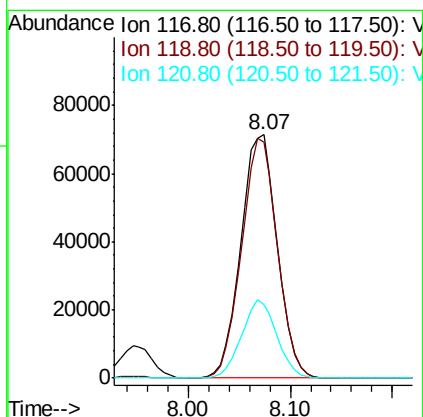
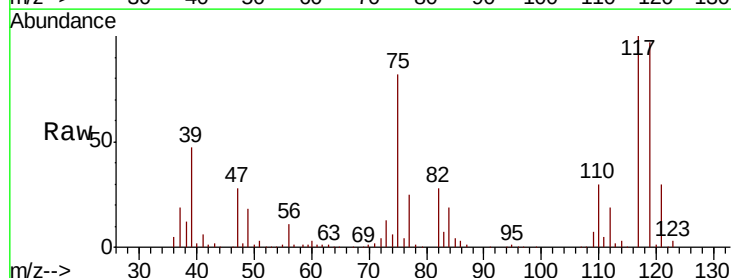
Tgt Ion: 117 Resp: 177369

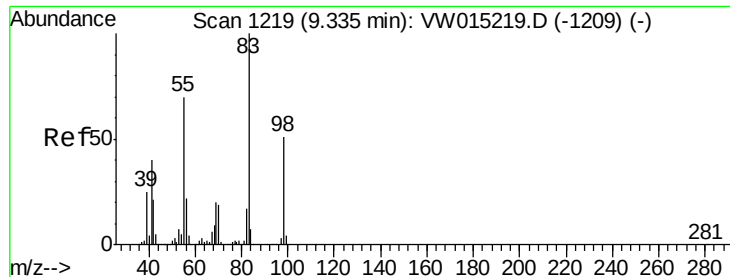
Ion Ratio Lower Upper

117 100

119 96.7 72.3 108.5

121 30.0 23.7 35.5





#39

Methylvlcyclohexane

Concen: 52.982 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

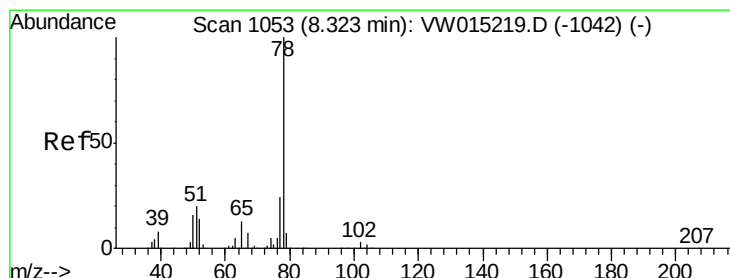
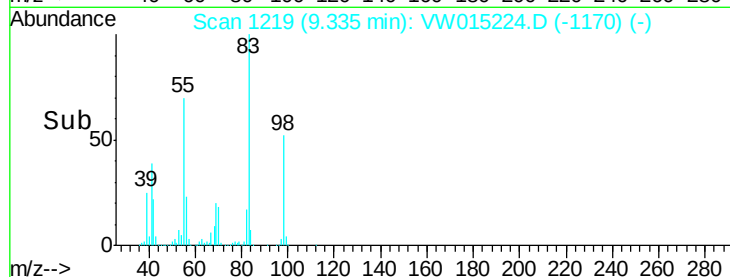
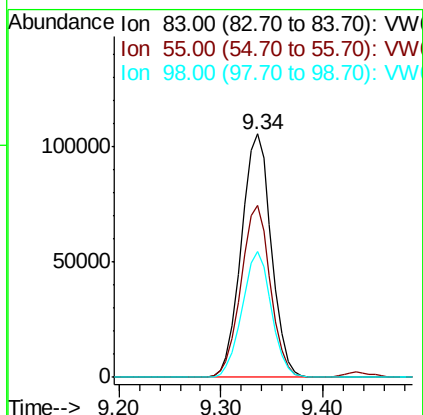
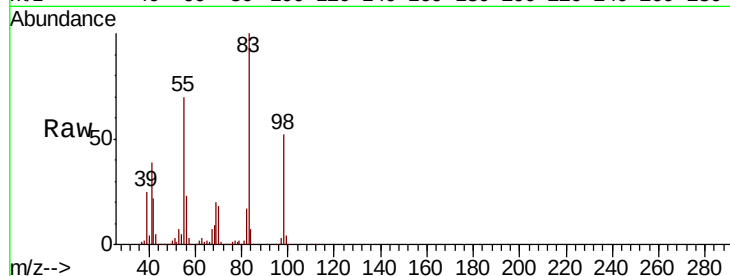
Tot Ion: 83 Resp: 215178

Ion Ratio Lower Upper

83 100

55 70.4 58.1 87.1

98 51.6 40.2 60.4



#40

Benzene

Concen: 54.005 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015224.D

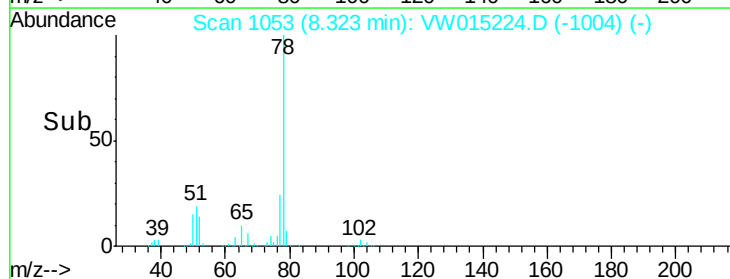
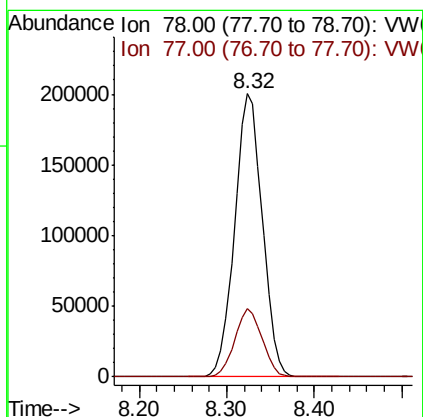
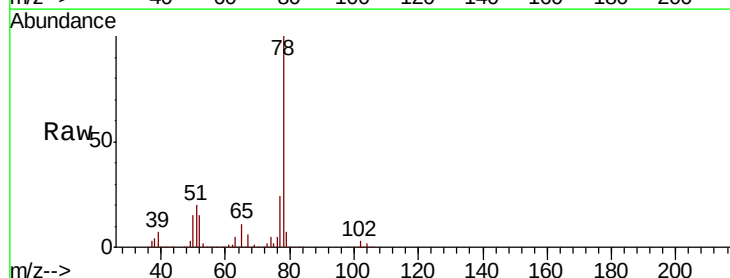
Acq: 20 Apr 2020 15:52

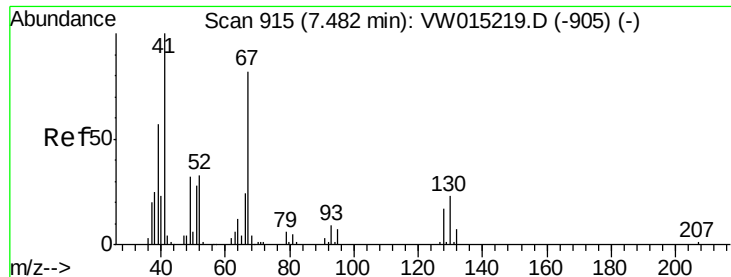
Tgt Ion: 78 Resp: 440196

Ion Ratio Lower Upper

78 100

77 24.2 18.2 27.2

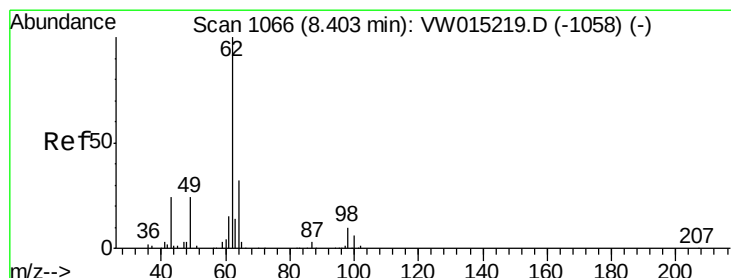
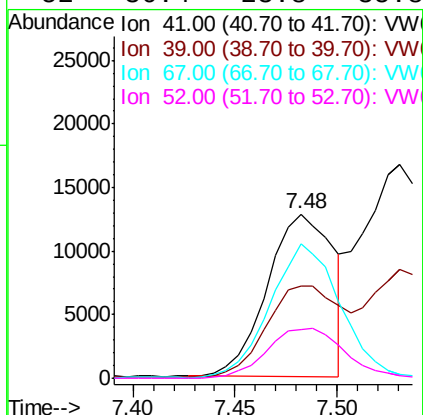
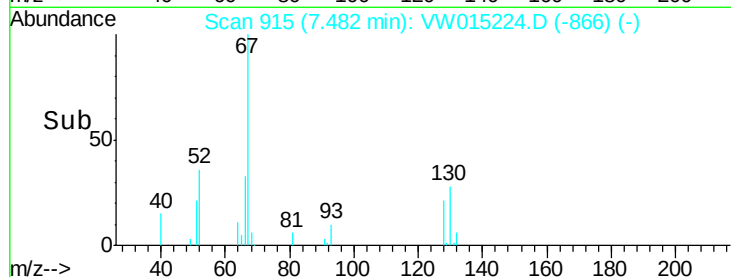
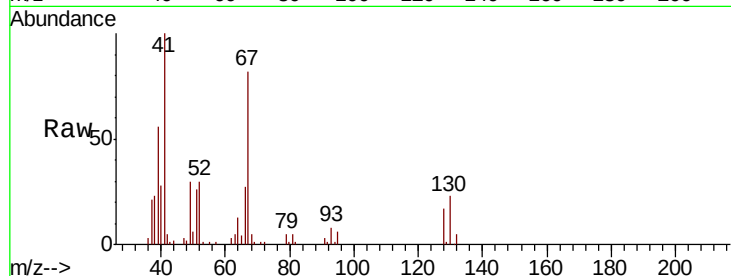




#41
Methacrylonitrile
Concen: 48.383 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

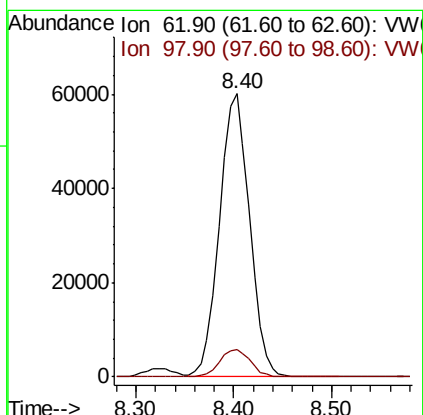
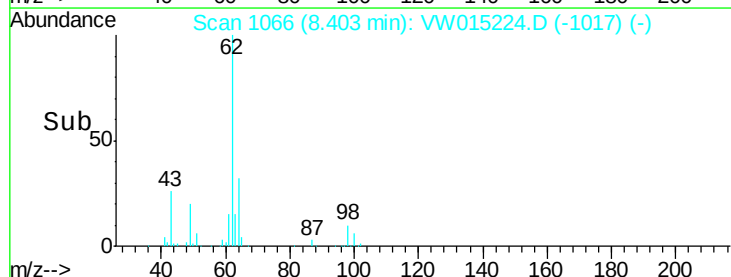
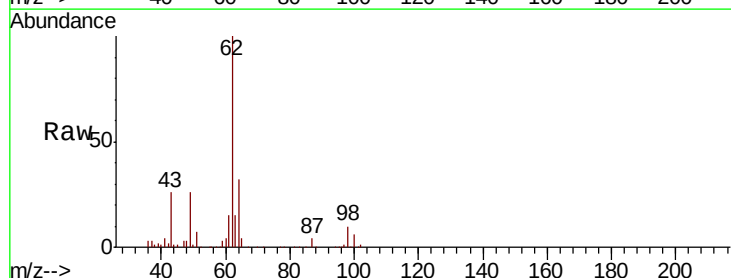
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

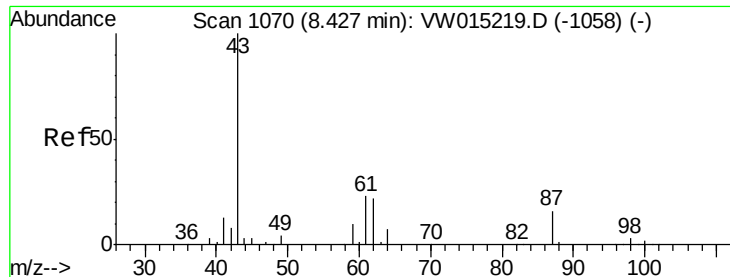
Tot Ion:	41	Resp:	28749
Ion	Ratio	Lower	Upper
41	100		
39	64.0	41.9	62.9#
67	89.2	60.6	91.0
52	36.4	23.8	35.8#



#42
1,2-Dichloroethane
Concen: 53.488 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion:	62	Resp:	128349
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 52.781 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

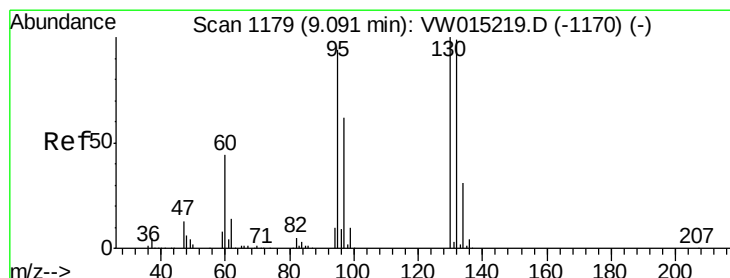
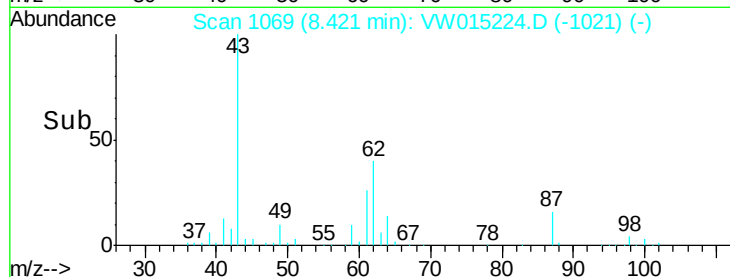
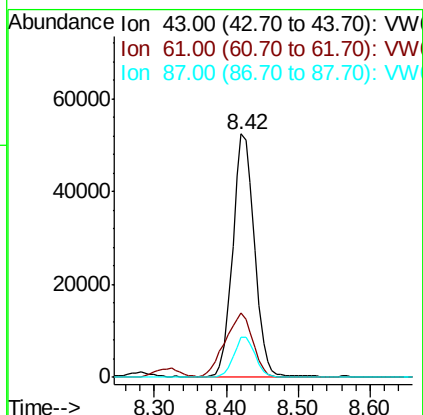
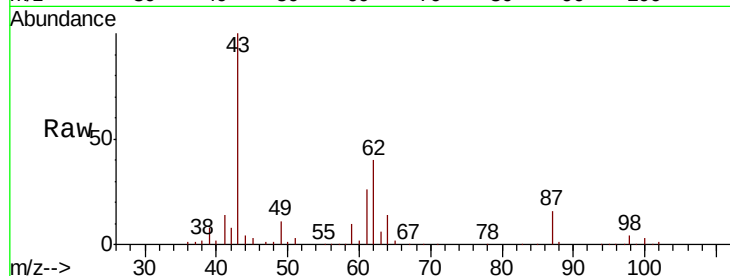
Tot Ion: 43 Resp: 109628

Ion Ratio Lower Upper

43 100

61 33.8 24.8 37.2

87 16.3 11.4 17.2



#44

Trichloroethene

Concen: 54.262 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015224.D

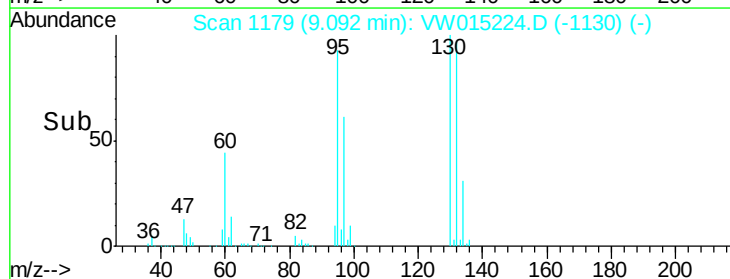
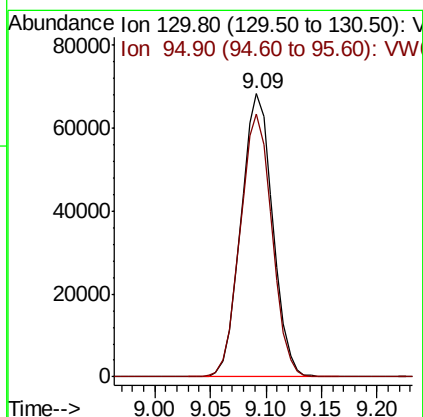
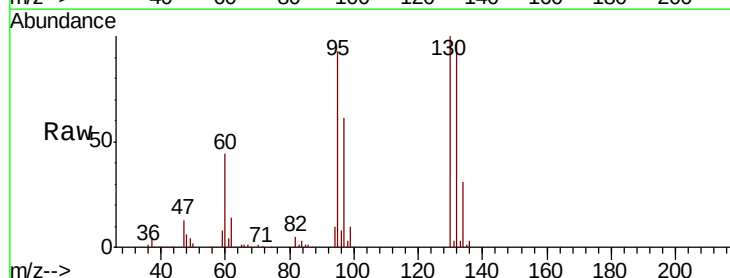
Acq: 20 Apr 2020 15:52

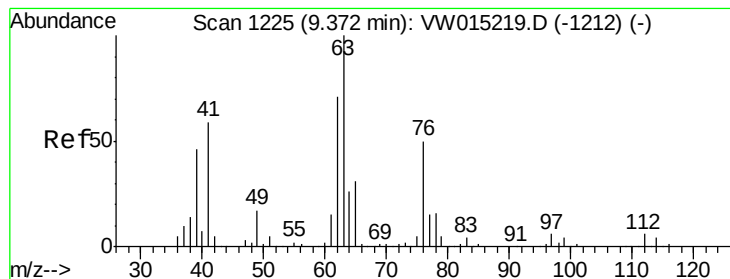
Tgt Ion: 130 Resp: 135289

Ion Ratio Lower Upper

130 100

95 93.1 0.0 196.4





#45

1,2-Dichloropropane

Concen: 53.762 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

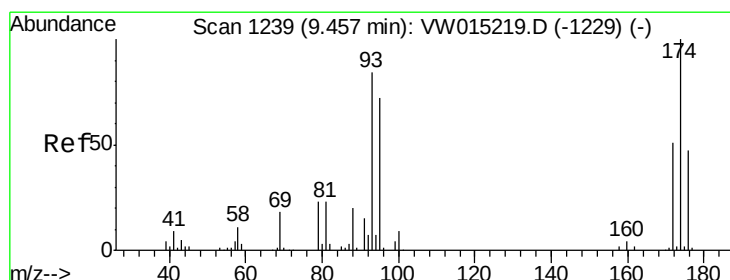
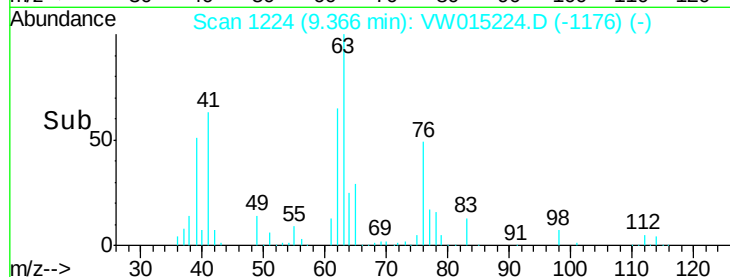
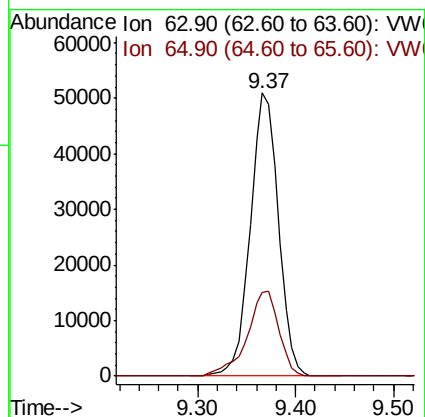
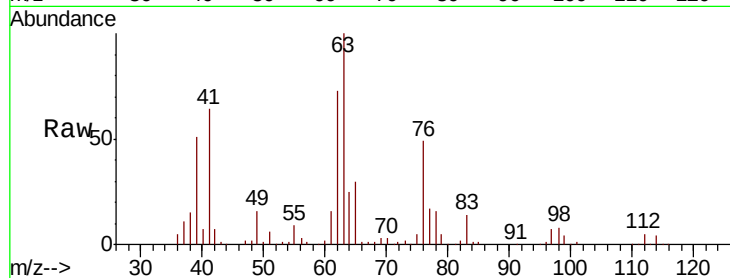
VSTDCCC050

Tot Ion: 63 Resp: 101908

Ion Ratio Lower Upper

63 100

65 29.7 25.5 38.3



#46

Dibromomethane

Concen: 53.057 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

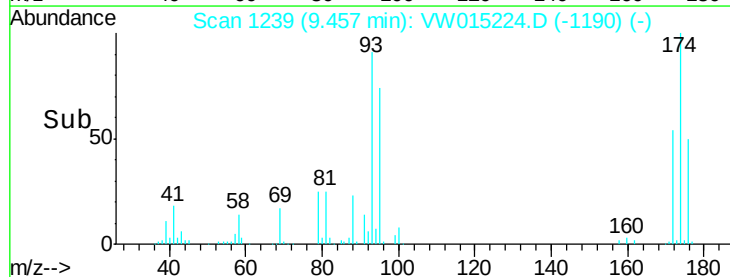
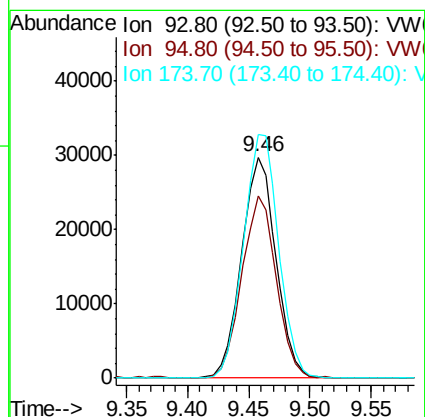
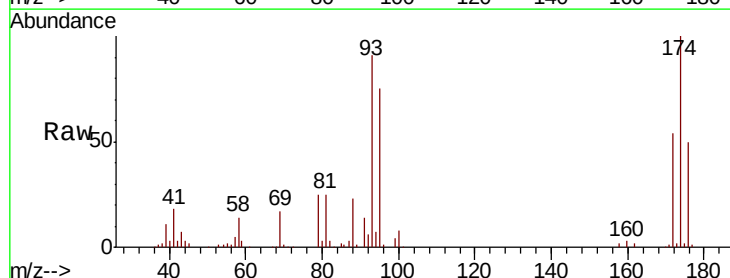
Tgt Ion: 93 Resp: 58176

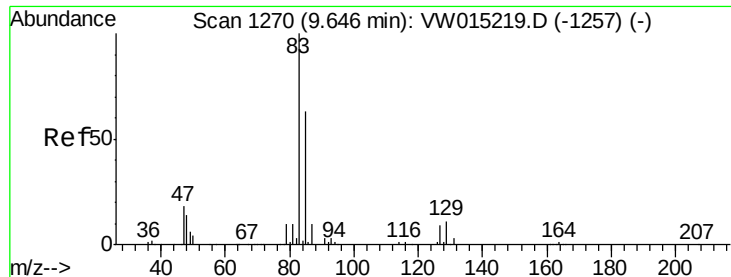
Ion Ratio Lower Upper

93 100

95 82.8 67.5 101.3

174 113.2 74.1 111.1#





#47

Bromodichloromethane

Concen: 53.567 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

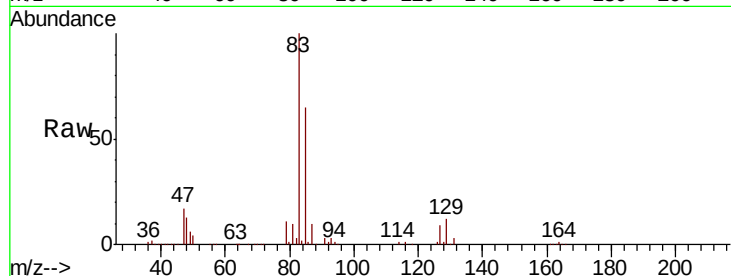
Tot Ion: 83 Resp: 157016

Ion Ratio Lower Upper

83 100

85 64.9 50.6 76.0

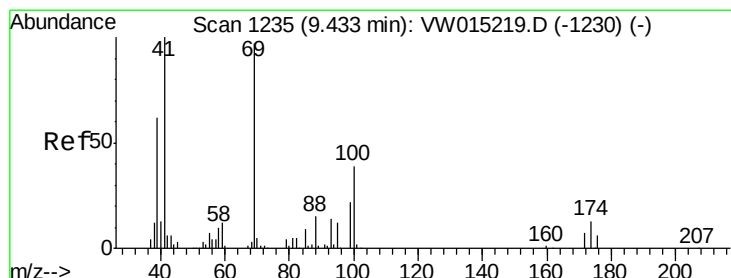
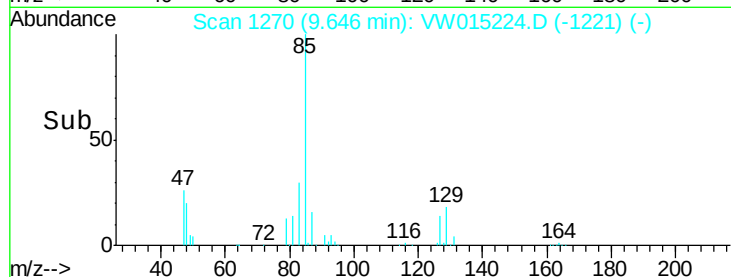
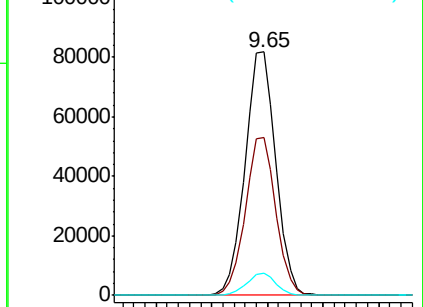
127 9.0 6.7 10.1



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): VW



#48

Methyl methacrylate

Concen: 52.173 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

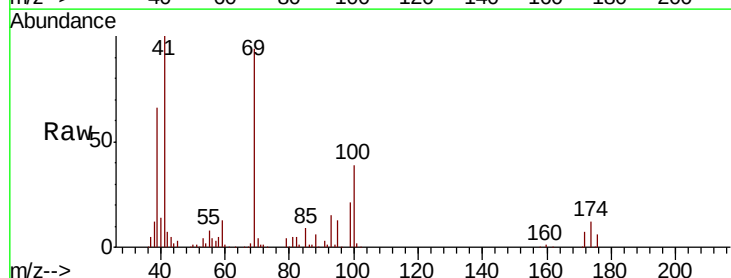
Tgt Ion: 41 Resp: 51227

Ion Ratio Lower Upper

41 100

69 97.9 70.6 105.8

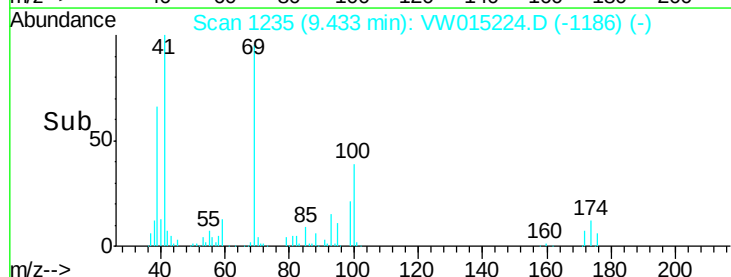
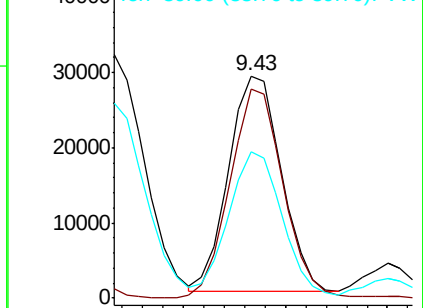
39 66.7 42.6 64.0#

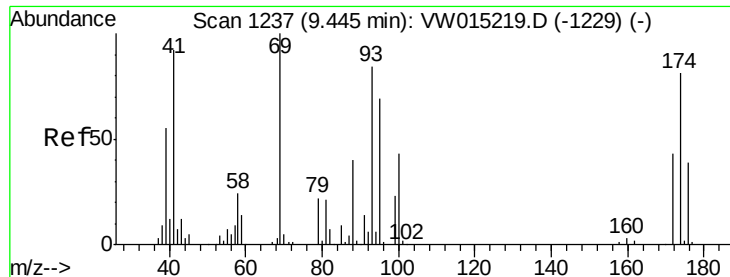


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1085.548 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

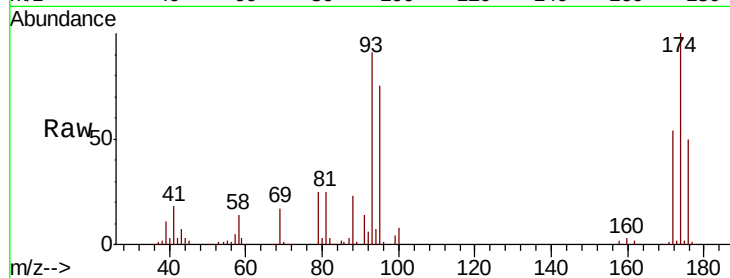
Tot Ion: 88 Resp: 15868

Ion Ratio Lower Upper

88 100

43 0.0 23.5 35.3#

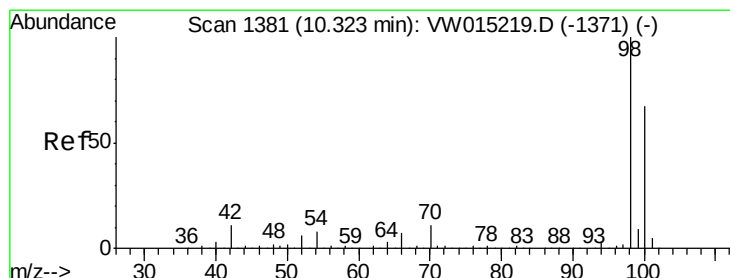
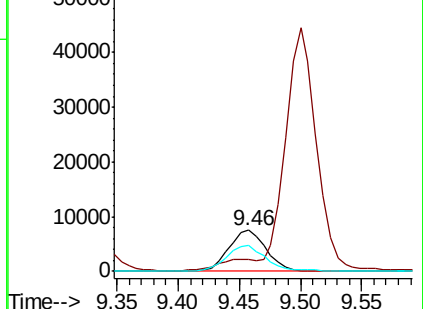
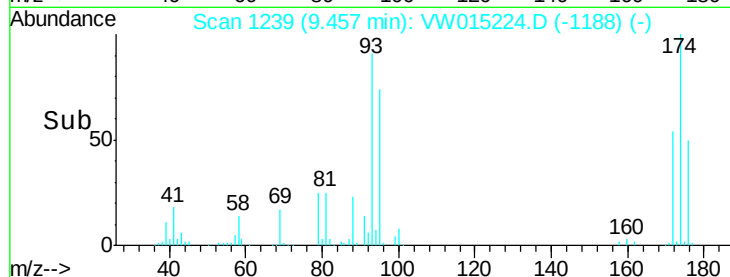
58 67.2 55.4 83.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.245 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015224.D

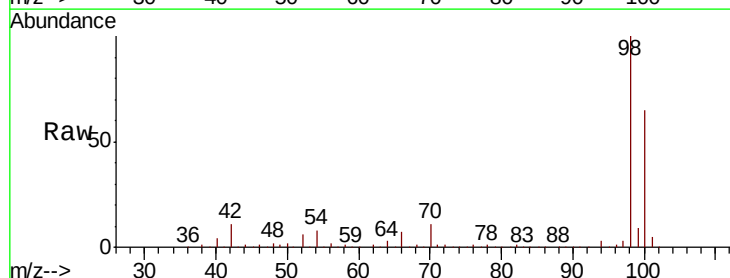
Acq: 20 Apr 2020 15:52

Tgt Ion: 98 Resp: 411579

Ion Ratio Lower Upper

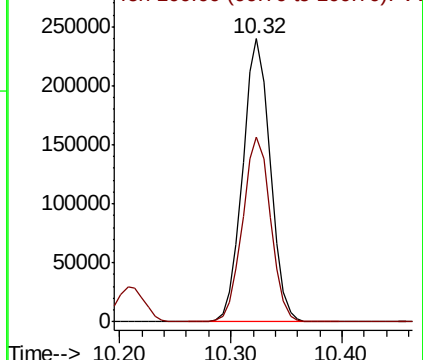
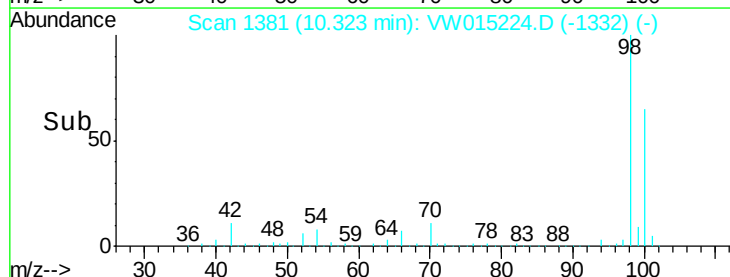
98 100

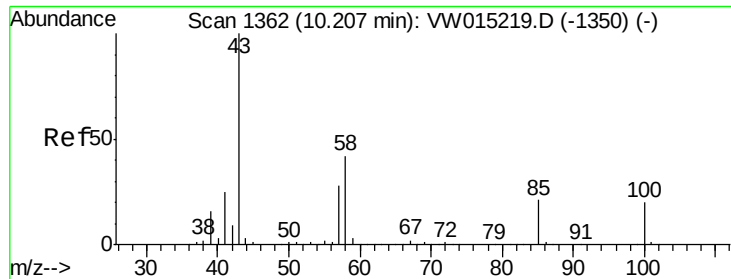
100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

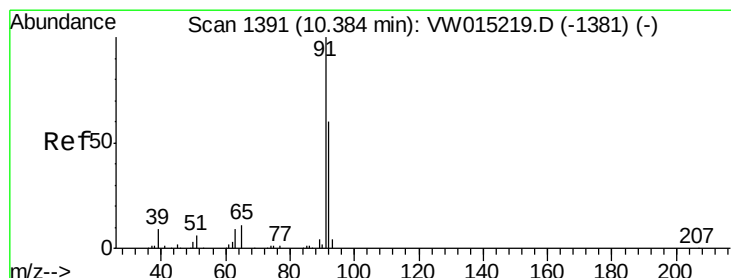
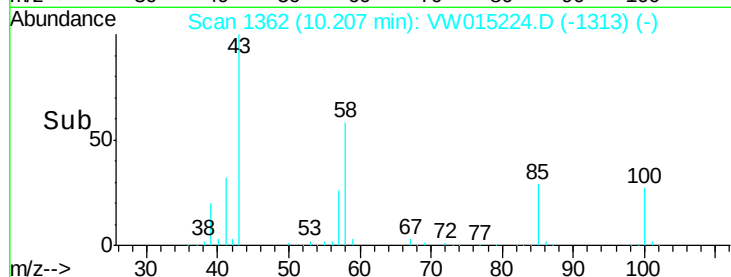
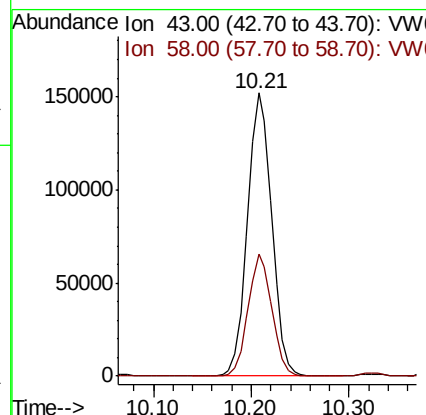
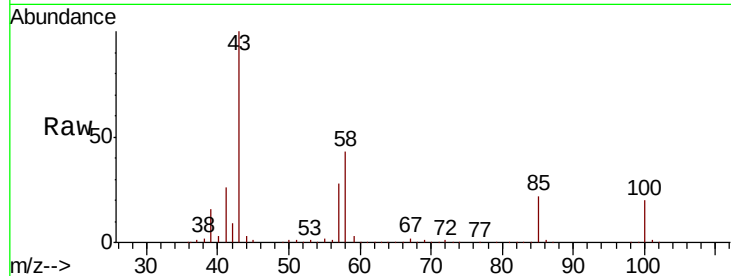




#51
4-Methyl-2-Pentanone
Concen: 267.523 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

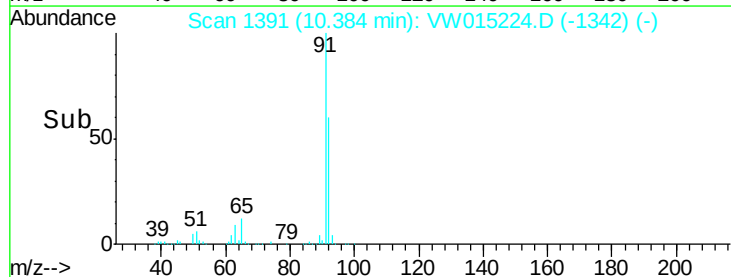
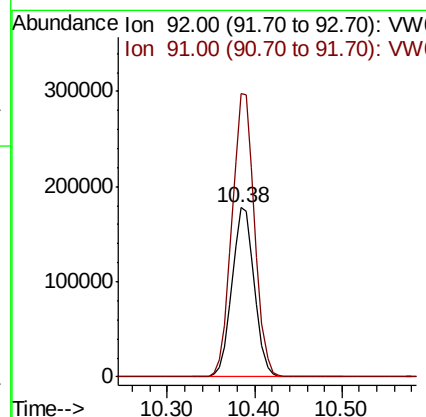
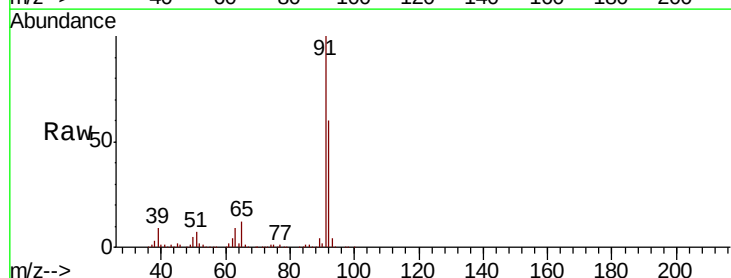
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

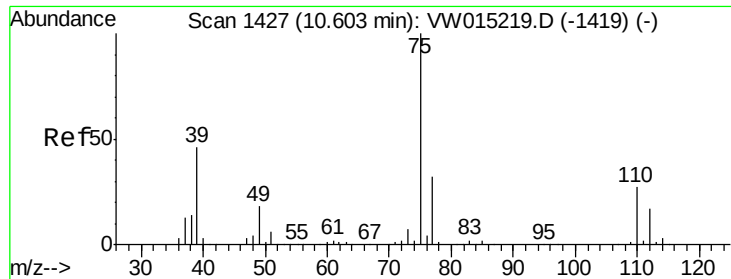
Tot Ion: 43 Resp: 260836
Ion Ratio Lower Upper
43 100
58 42.3 32.3 48.5



#52
Toluene
Concen: 55.396 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 92 Resp: 316015
Ion Ratio Lower Upper
92 100
91 168.6 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 53.568 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampled :

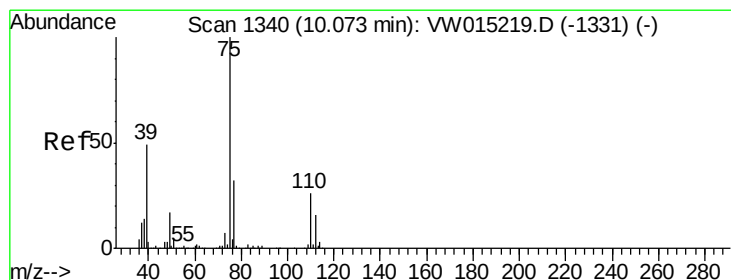
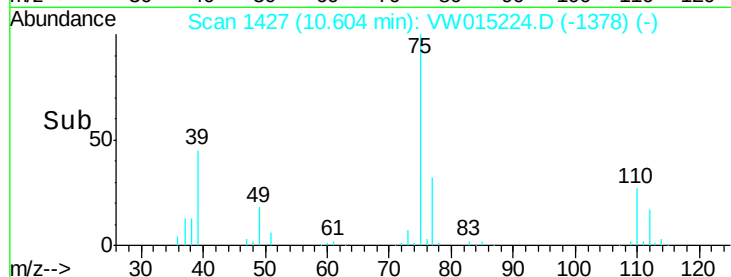
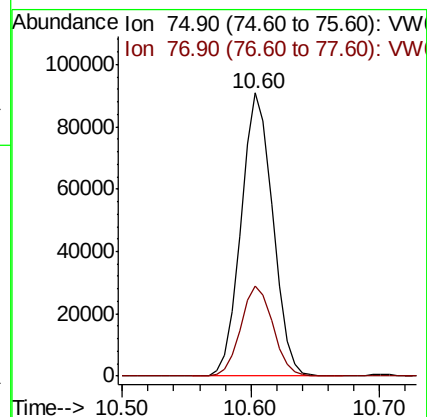
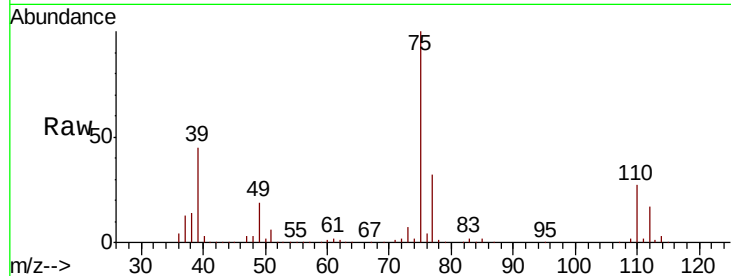
VSTDCCC050

Tot Ion: 75 Resp: 154824

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 53.980 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

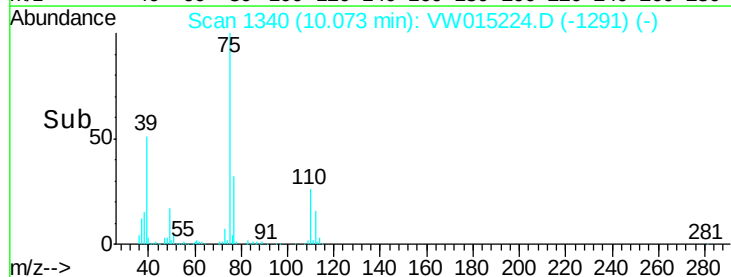
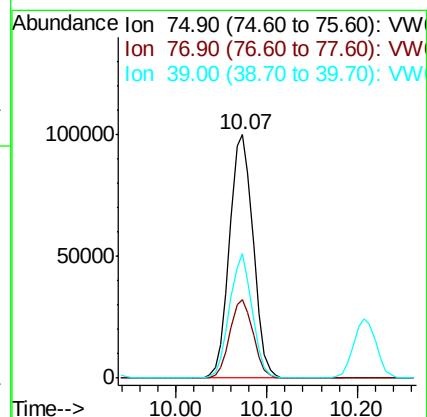
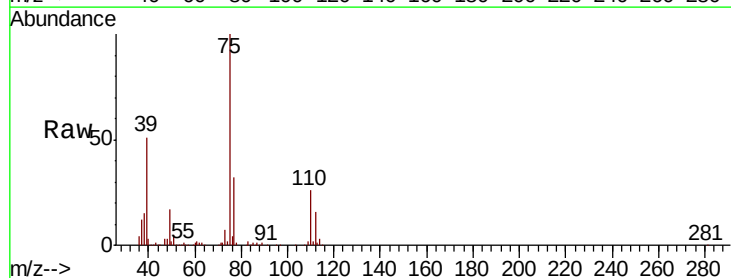
Tgt Ion: 75 Resp: 181344

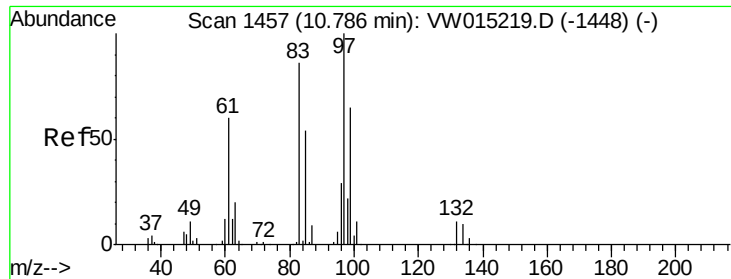
Ion Ratio Lower Upper

75 100

77 32.5 26.6 39.8

39 51.0 37.8 56.6

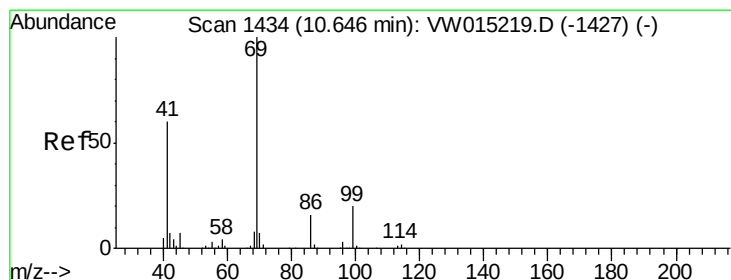
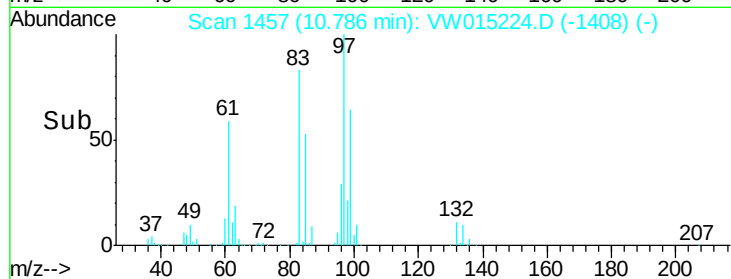
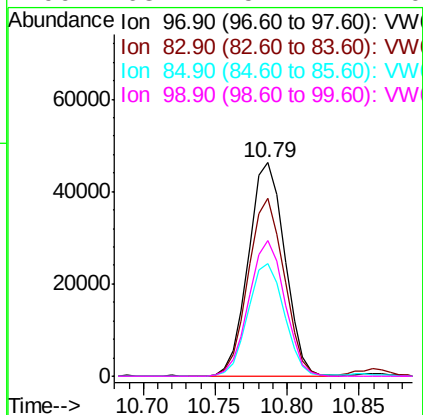
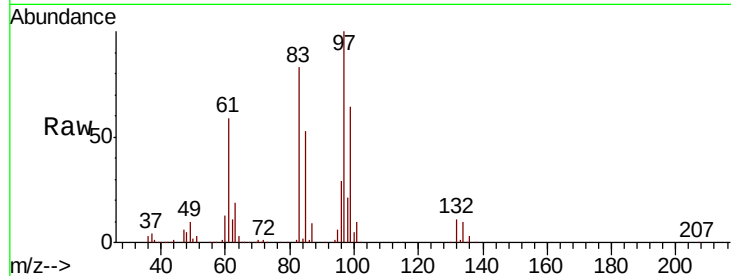




#55
 1,1,2-Trichloroethane
 Concen: 52.504 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

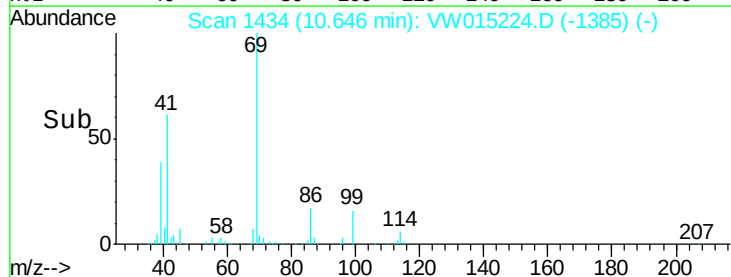
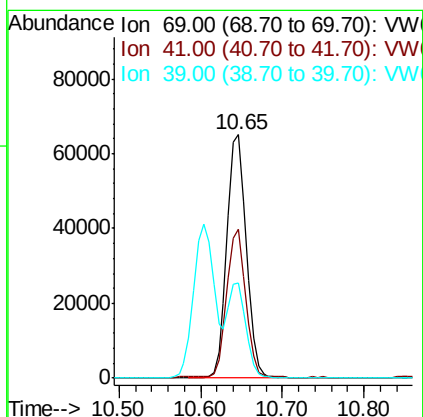
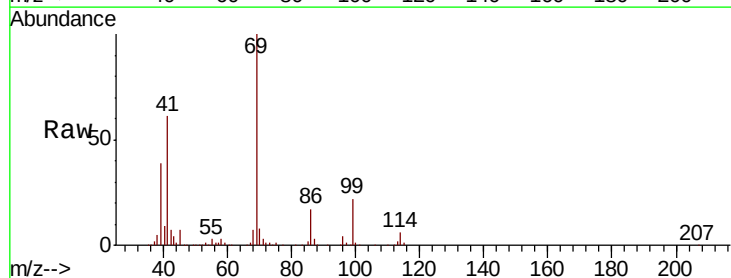
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

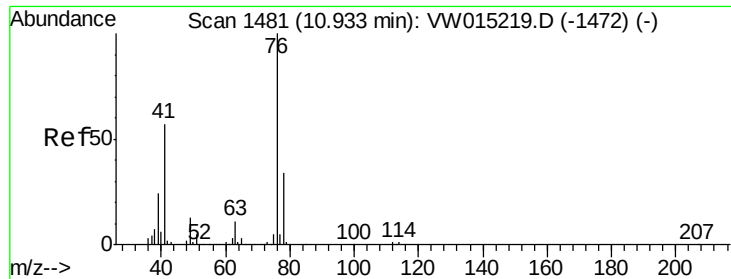
Tot Ion:	97	Resp:	80614
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.3	100.9
85	52.6	43.8	65.8
99	63.7	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 54.036 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion:	69	Resp:	106880
Ion	Ratio	Lower	Upper
69	100		
41	58.9	51.3	76.9
39	34.9	24.6	37.0

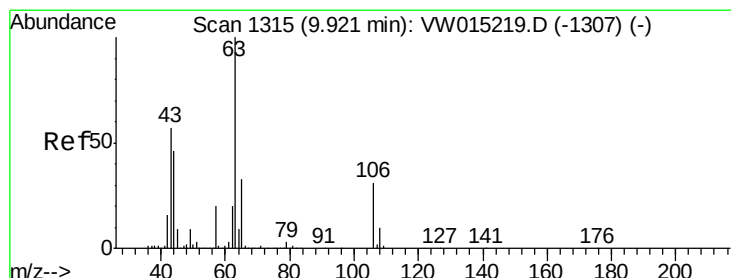
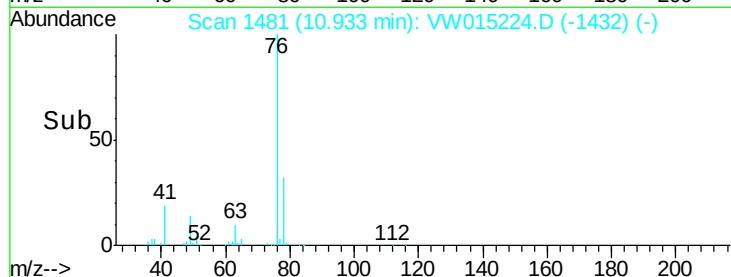
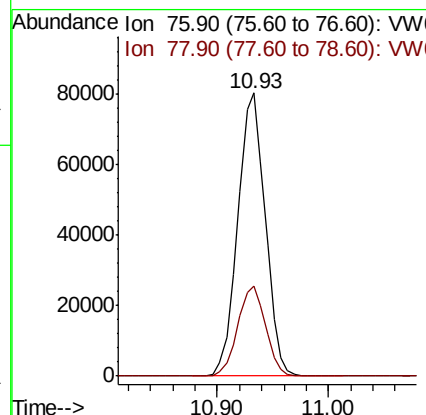
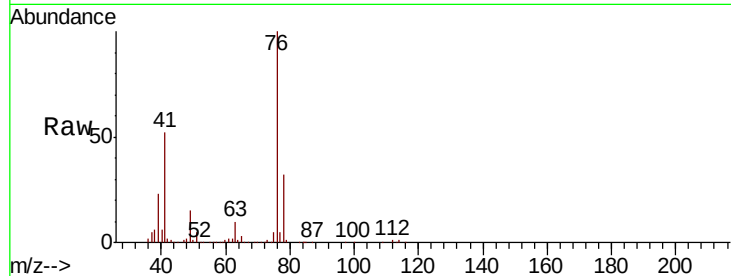




#57
 1,3-Dichloropropane
 Concen: 53.917 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

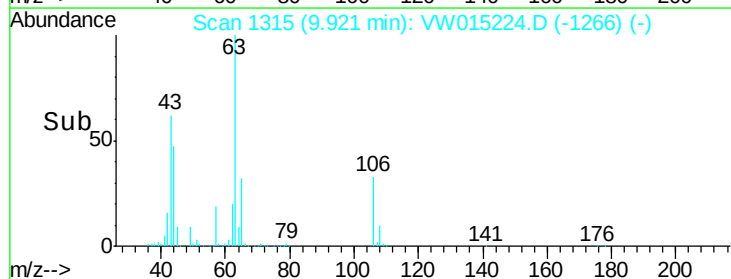
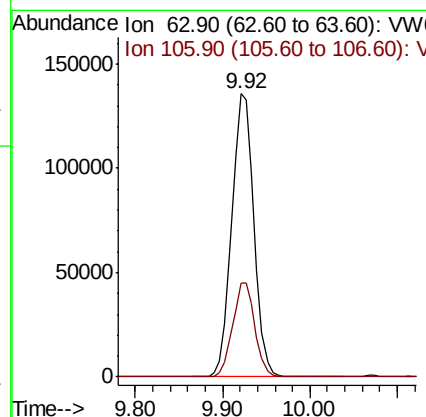
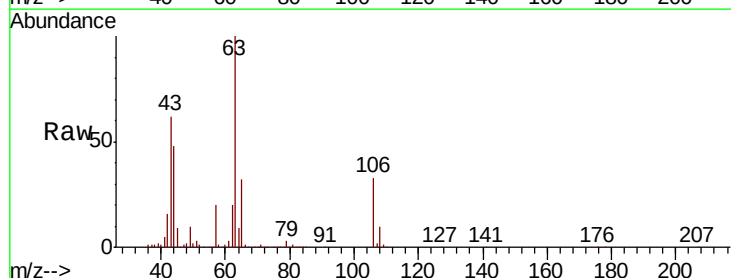
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

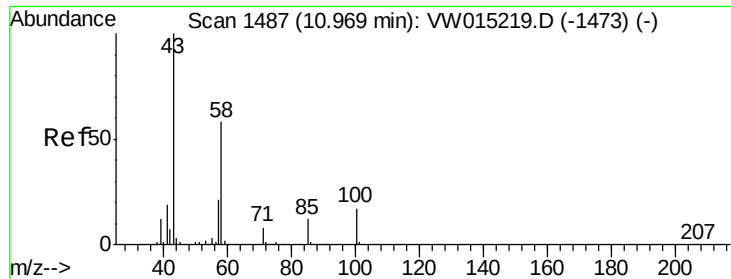
Tot Ion: 76 Resp: 137130
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.012 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion: 63 Resp: 238434
 Ion Ratio Lower Upper
 63 100
 106 33.4 22.6 33.8

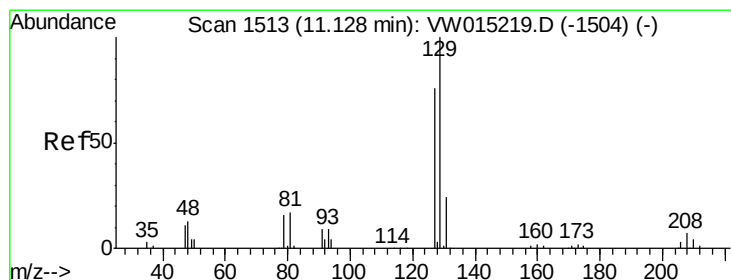
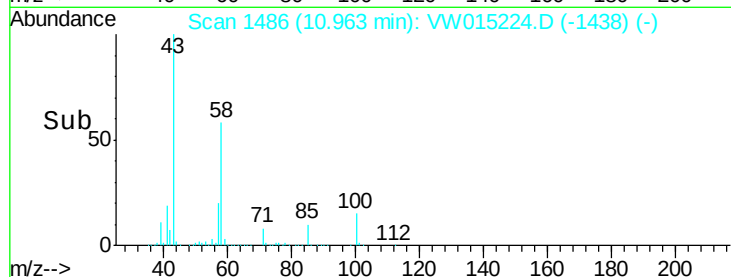
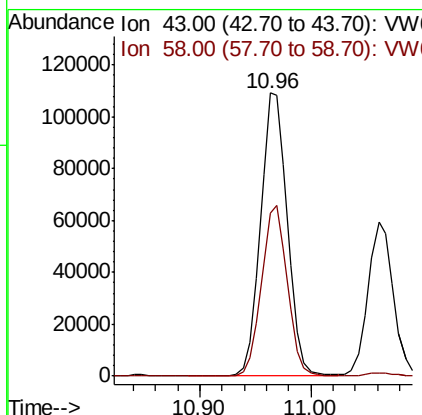
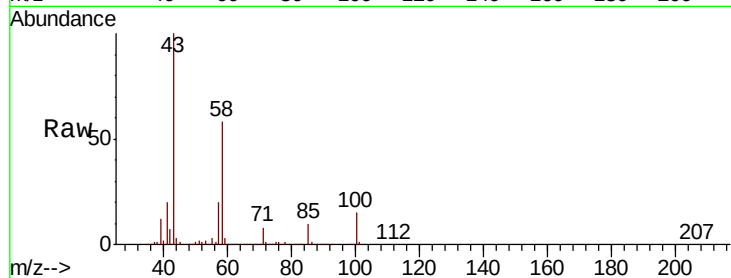




#59
2-Hexanone
Concen: 262.737 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

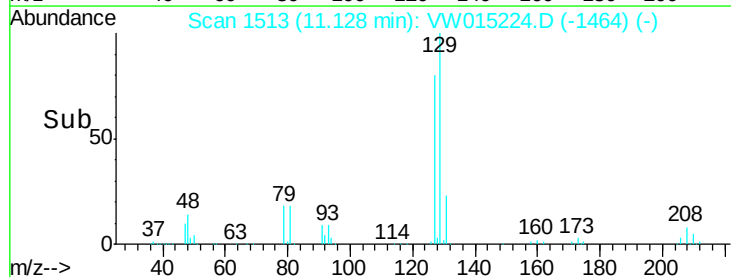
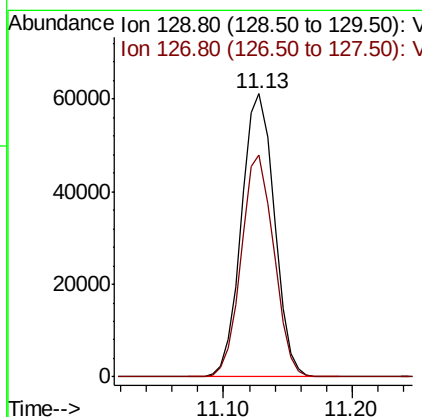
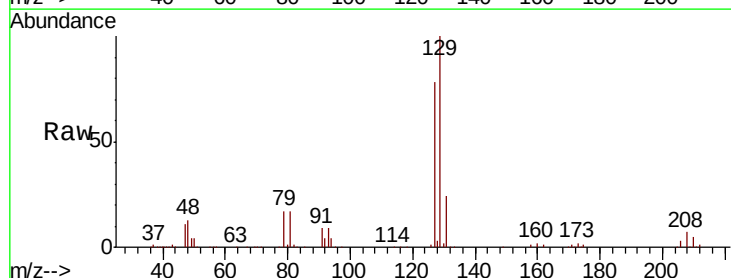
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

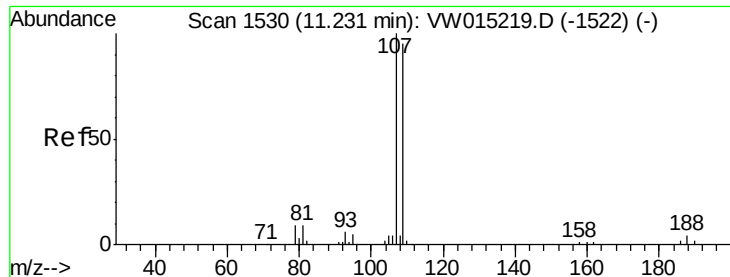
Tot Ion: 43 Resp: 182863
Ion Ratio Lower Upper
43 100
58 58.4 28.1 84.3



#60
Dibromochloromethane
Concen: 53.316 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 129 Resp: 108083
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8

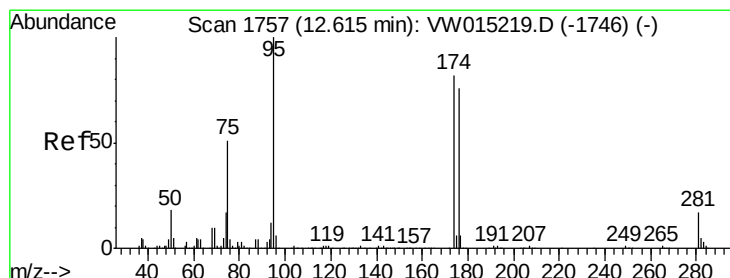
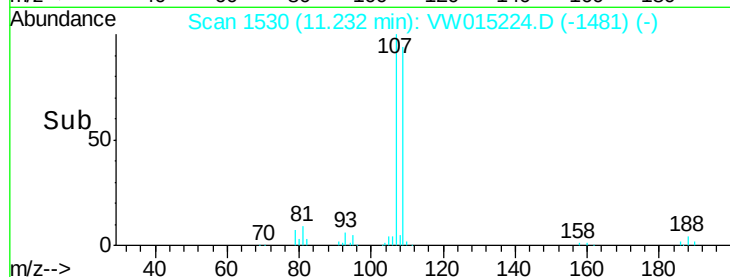
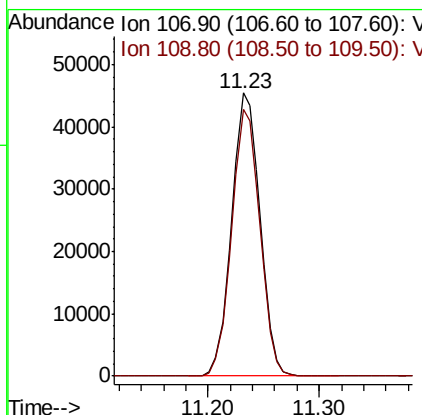
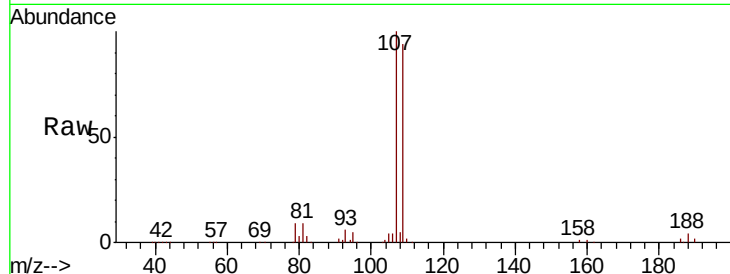




#61
1,2-Dibromoethane
Concen: 53.336 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

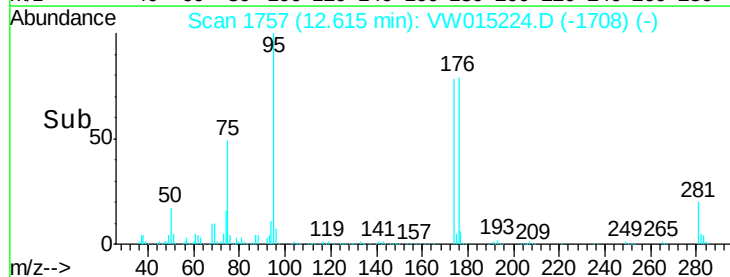
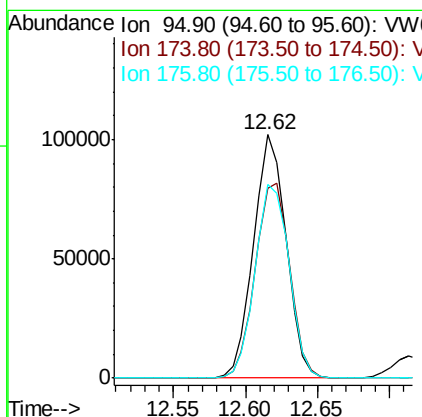
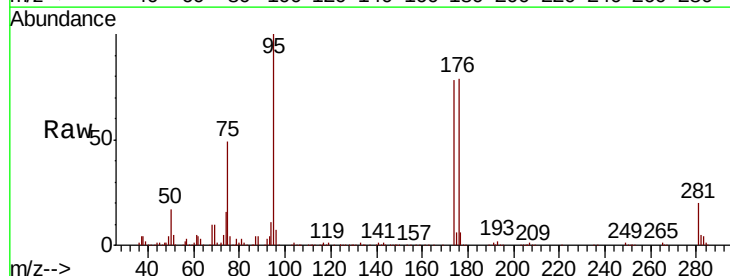
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

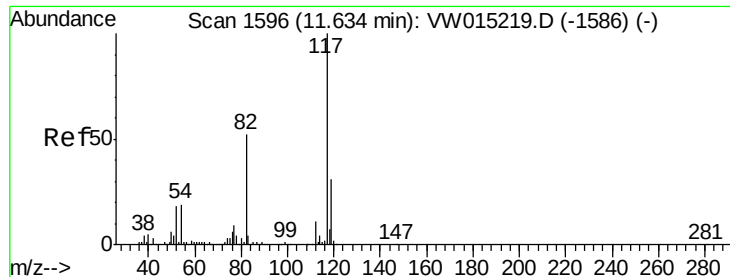
Tot Ion: 107 Resp: 79906
Ion Ratio Lower Upper
107 100
109 93.9 74.3 111.5



#62
4-Bromofluorobenzene
Concen: 52.987 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 95 Resp: 159266
Ion Ratio Lower Upper
95 100
174 84.6 0.0 144.4
176 83.1 0.0 140.6

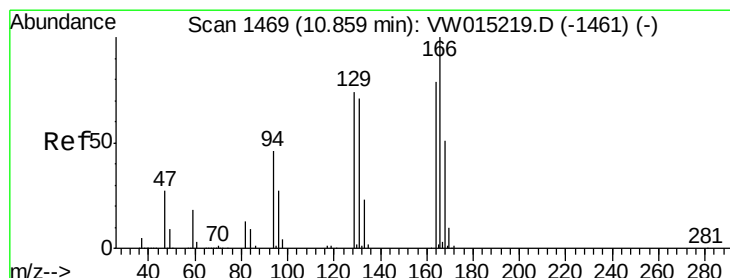
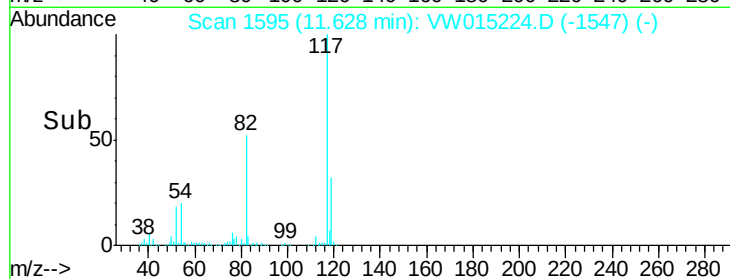
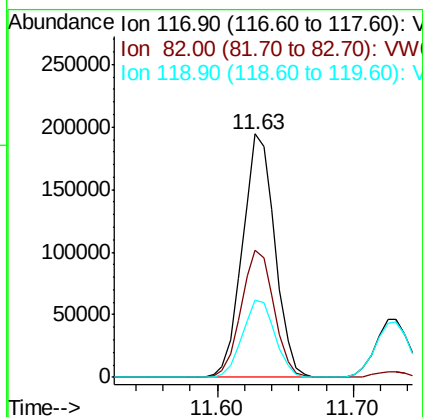
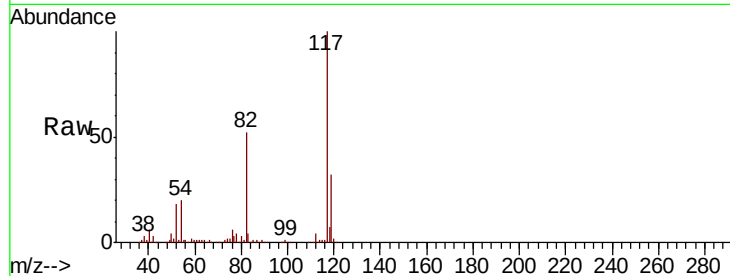




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

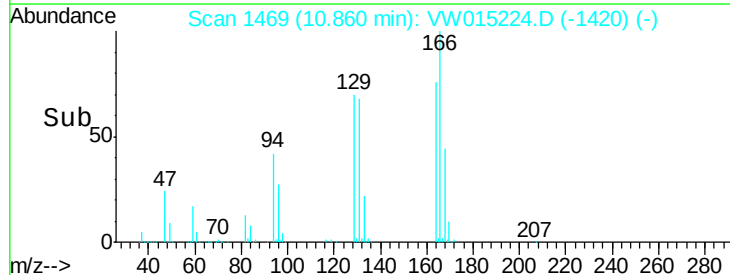
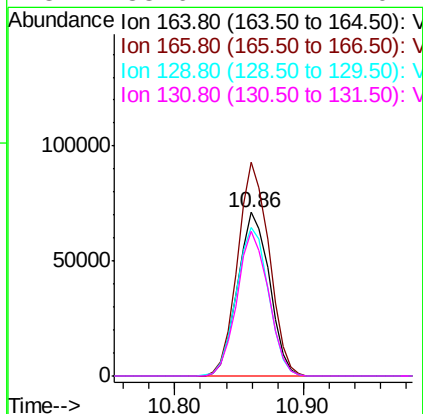
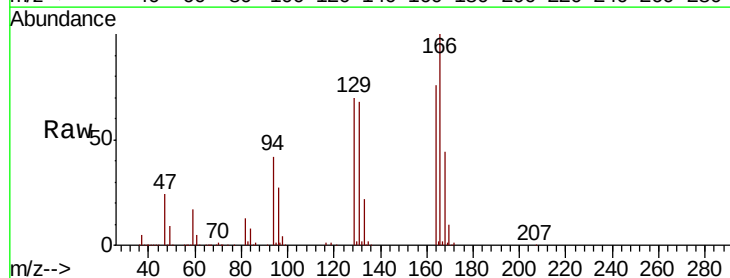
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

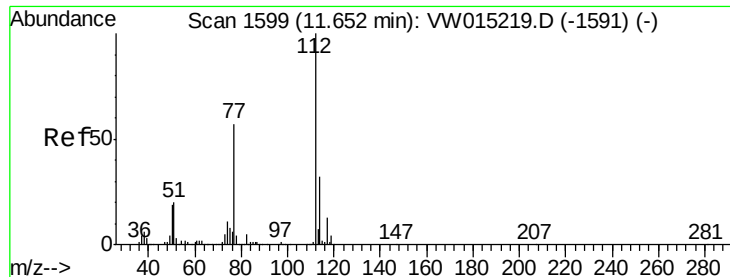
Tot Ion:117 Resp: 323160
Ion Ratio Lower Upper
117 100
82 52.2 44.1 66.1
119 31.8 24.9 37.3



#64
Tetrachloroethene
Concen: 53.020 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion:164 Resp: 122286
Ion Ratio Lower Upper
164 100
166 130.8 102.6 154.0
129 91.2 80.2 120.2
131 88.6 77.4 116.2





#65

Chlorobenzene

Concen: 53.861 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

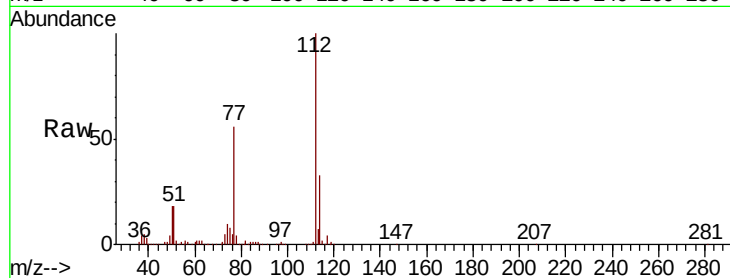
VSTDCCC050

Tot Ion:112 Resp: 341548

Ion Ratio Lower Upper

112 100

114 32.6 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

150000

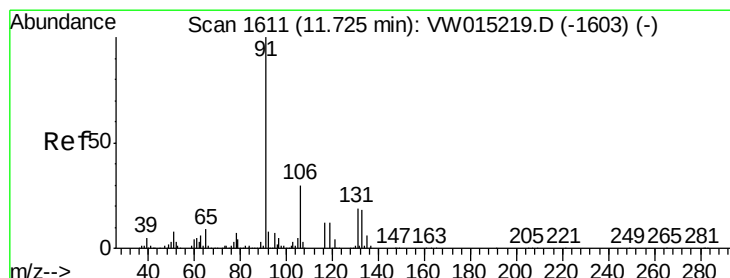
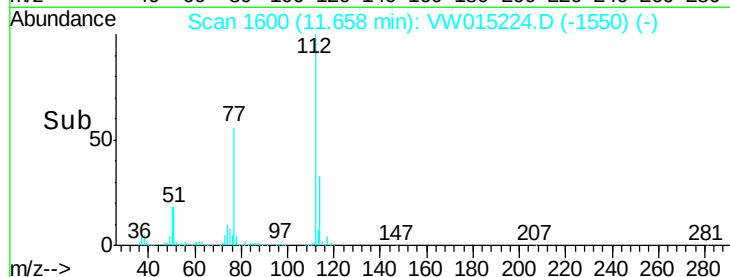
100000

50000

0

Time-->

11.60 11.70 11.80



#66

1,1,1,2-Tetrachloroethane

Concen: 53.051 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

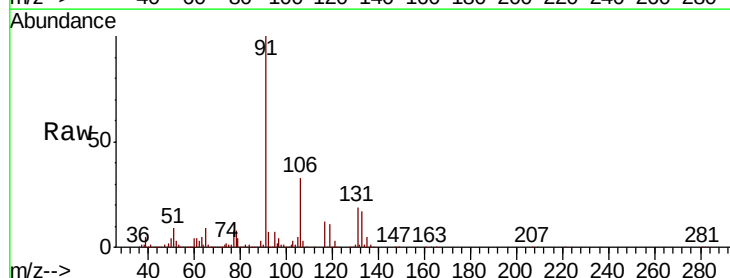
Tgt Ion:131 Resp: 120912

Ion Ratio Lower Upper

131 100

133 96.5 47.7 143.1

119 64.3 34.0 101.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

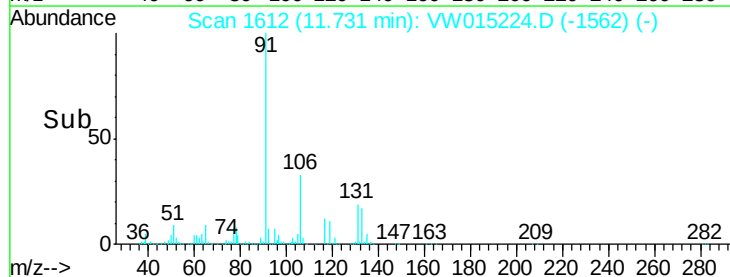
40000

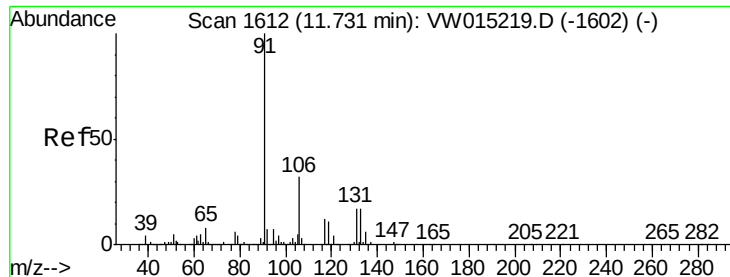
20000

0

Time-->

11.65 11.70 11.75 11.80

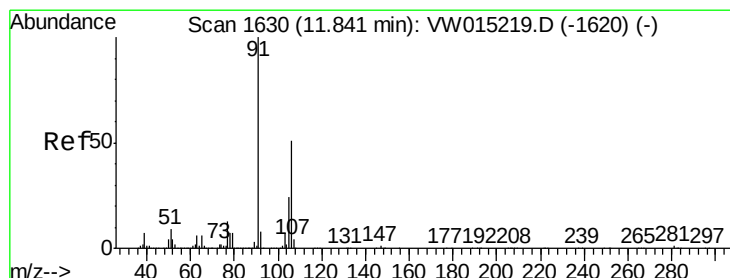
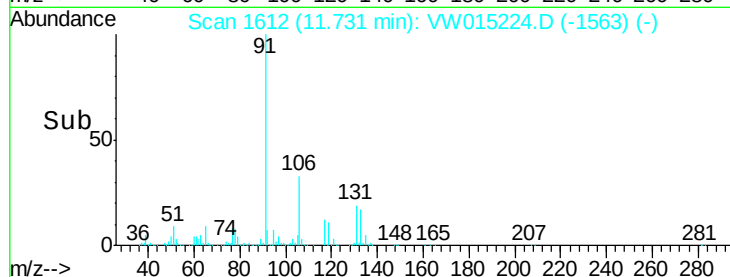
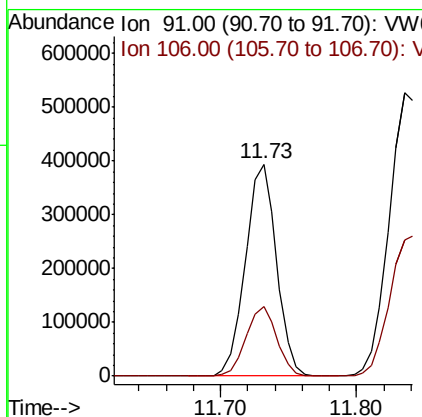
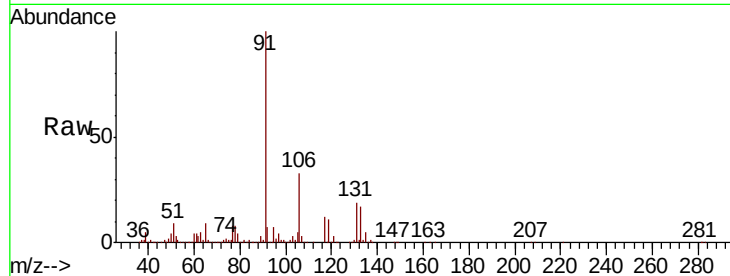




#67
Ethyl Benzene
Concen: 53.340 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

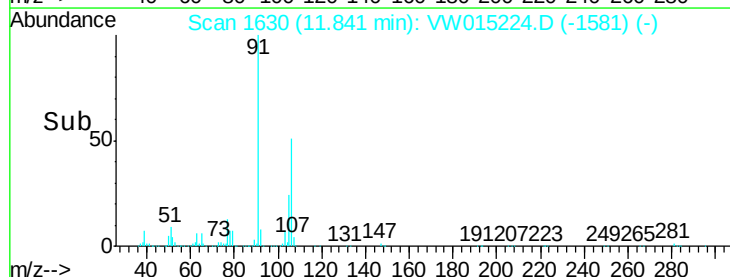
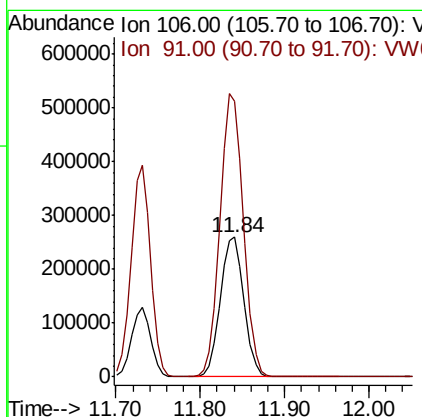
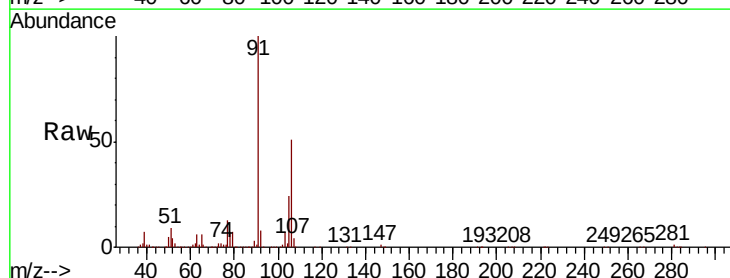
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

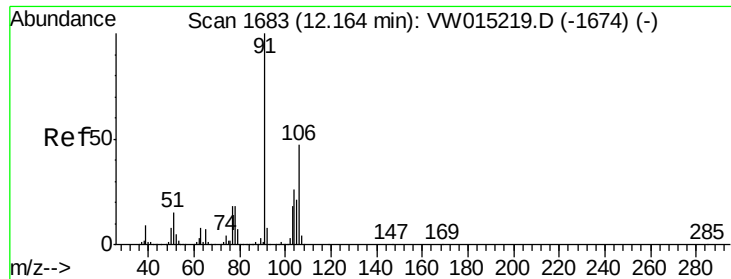
Tot Ion: 91 Resp: 630786
Ion Ratio Lower Upper
91 100
106 32.6 25.7 38.5



#68
m/p-Xylenes
Concen: 107.642 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 106 Resp: 498964
Ion Ratio Lower Upper
106 100
91 201.2 160.0 240.0

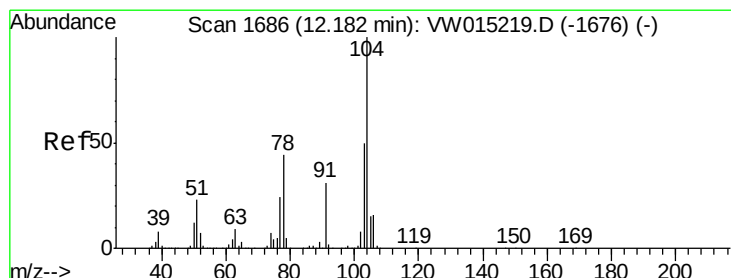
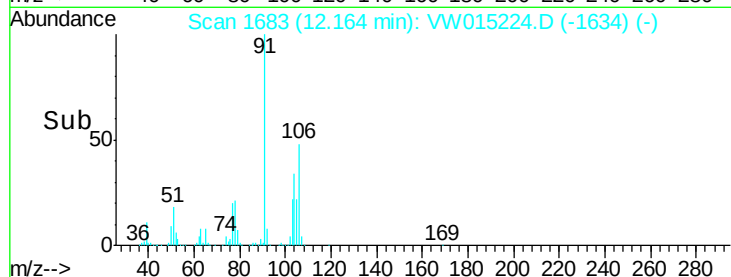
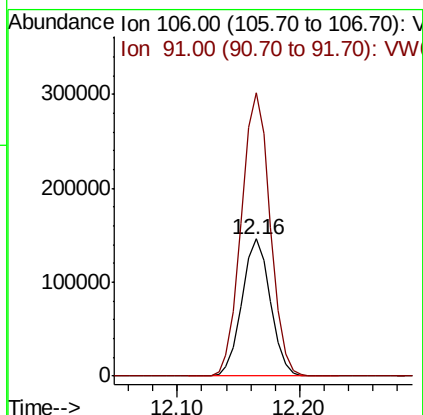
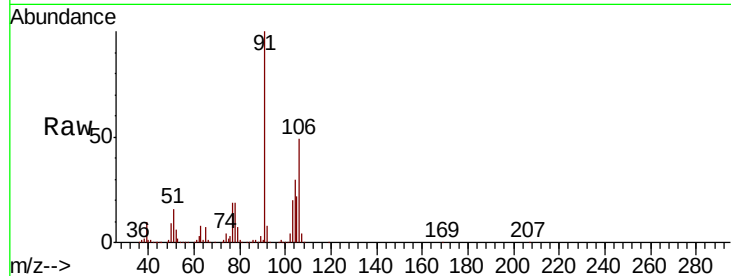




#69
o-Xylene
Concen: 54.549 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

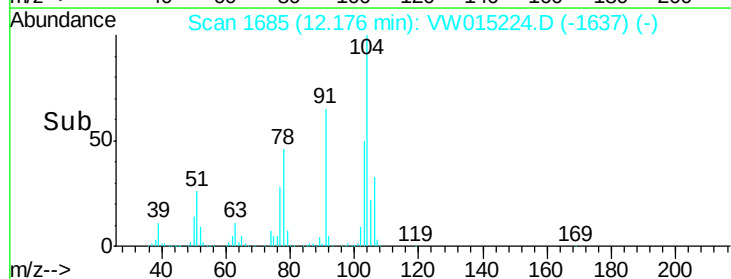
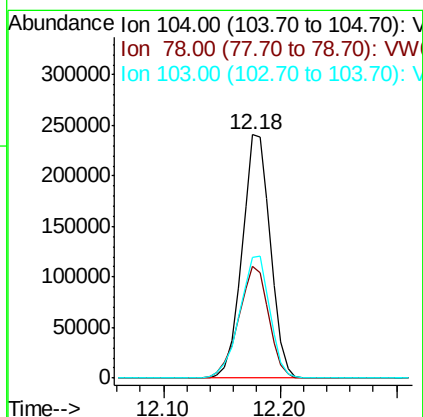
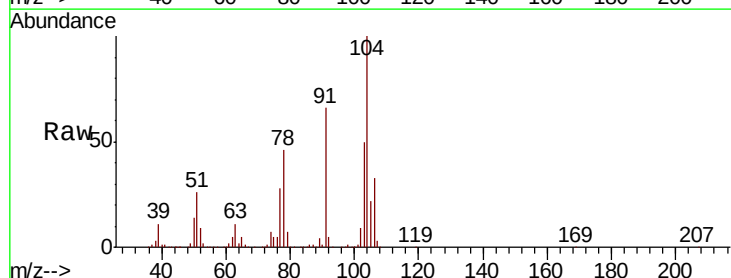
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

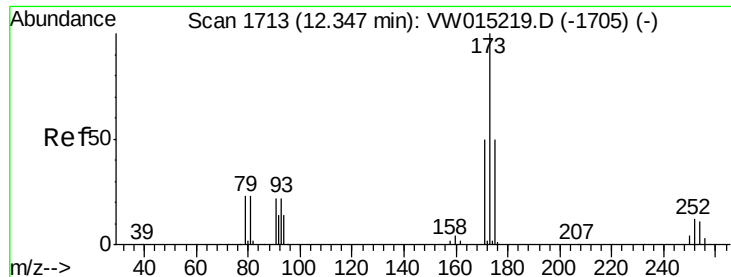
Tot Ion:106 Resp: 236016
Ion Ratio Lower Upper
106 100
91 208.1 105.7 317.1



#70
Styrene
Concen: 54.968 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion:104 Resp: 405400
Ion Ratio Lower Upper
104 100
78 49.0 39.8 59.6
103 53.7 43.8 65.6





#71

Bromoform

Concen: 52.329 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

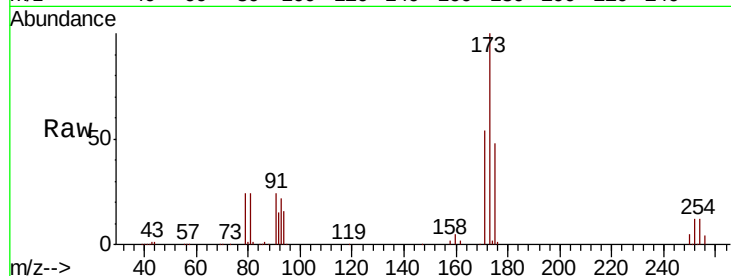
Tot Ion:173 Resp: 67201

Ion Ratio Lower Upper

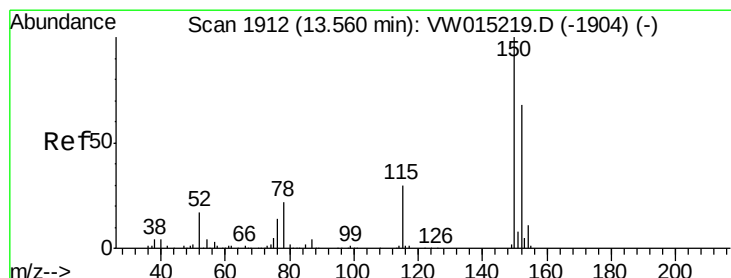
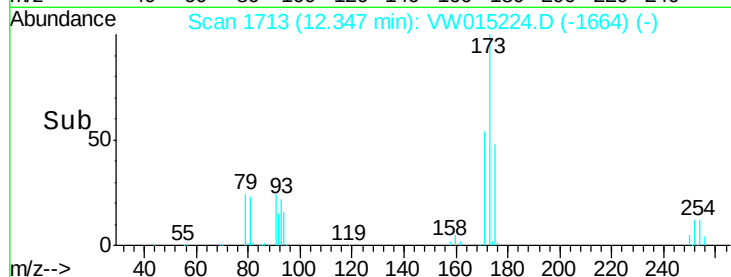
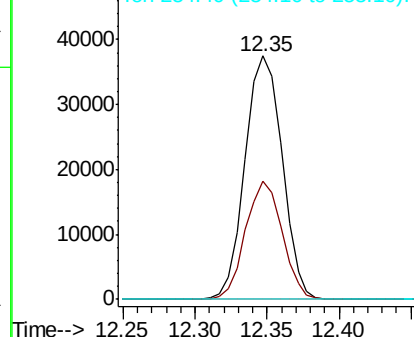
173 100

175 47.5 25.1 75.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

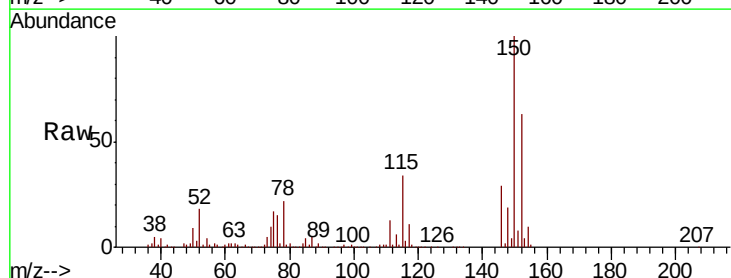
Tgt Ion:152 Resp: 181328

Ion Ratio Lower Upper

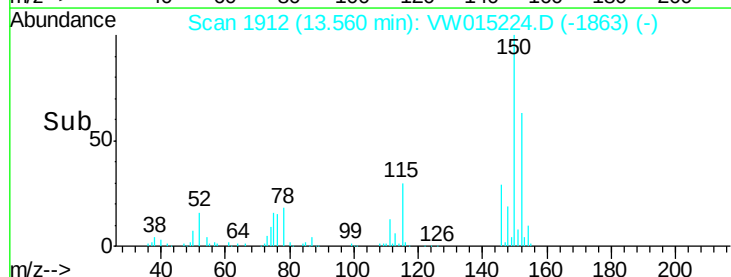
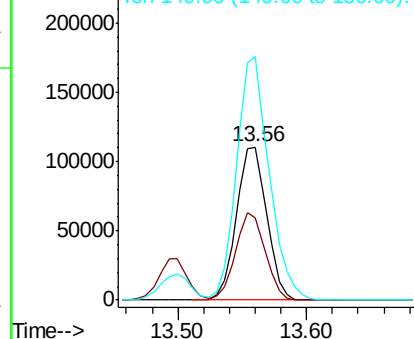
152 100

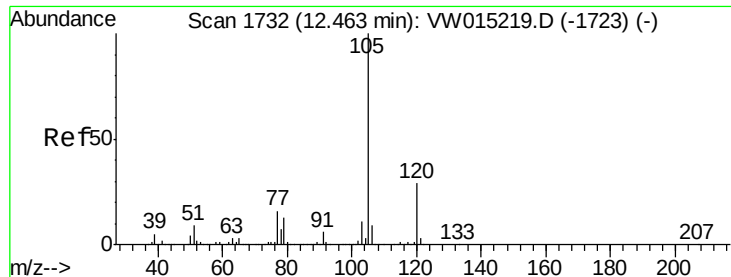
115 55.9 31.3 93.9

150 170.1 0.0 343.4



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





#73

Isopropylbenzene

Concen: 52.006 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

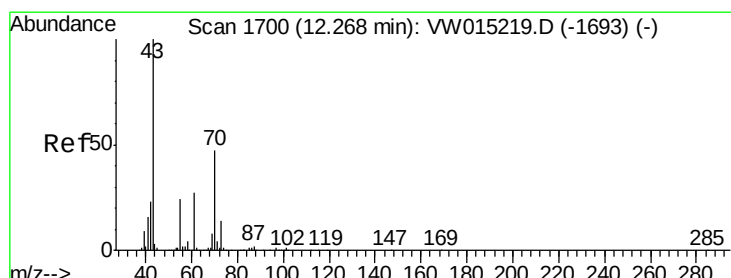
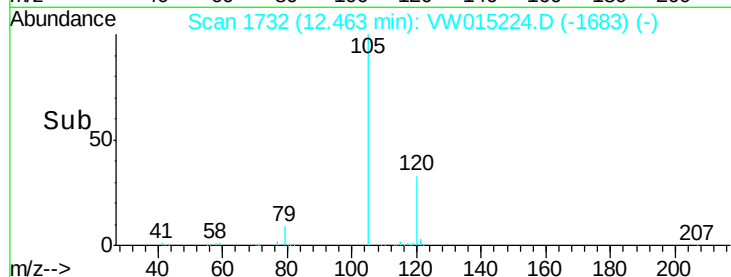
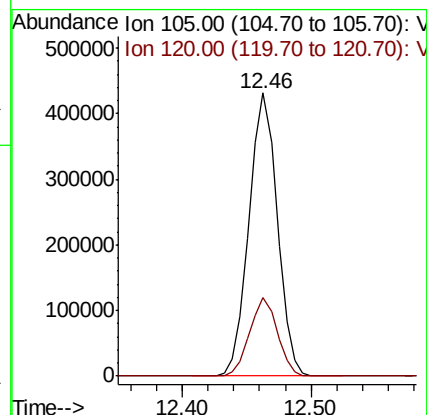
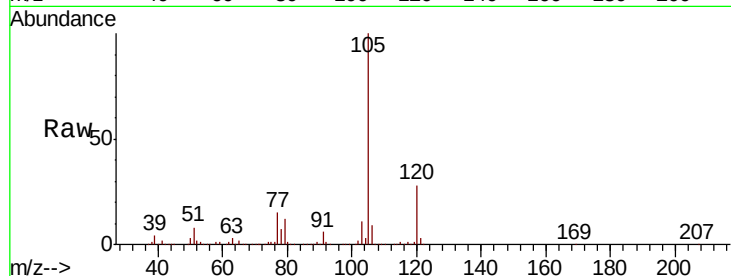
VSTDCCC050

Tot Ion:105 Resp: 653835

Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.1



#74

N-ethyl acetate

Concen: 51.316 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion: 43 Resp: 112240

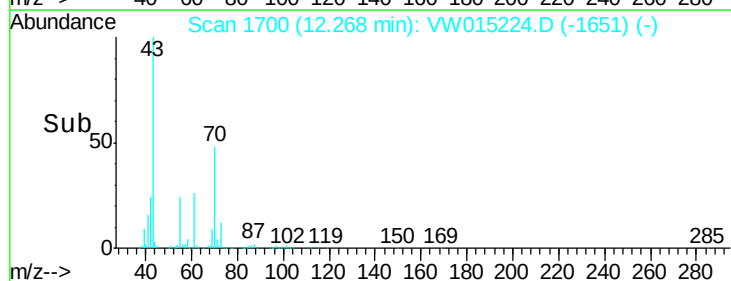
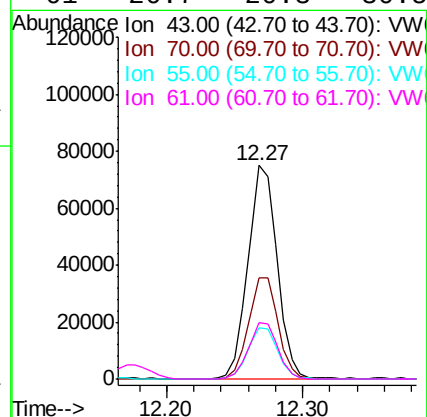
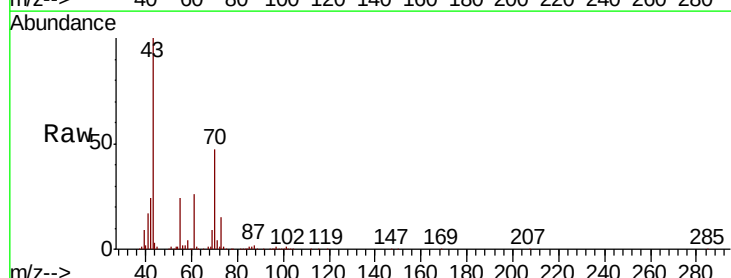
Ion Ratio Lower Upper

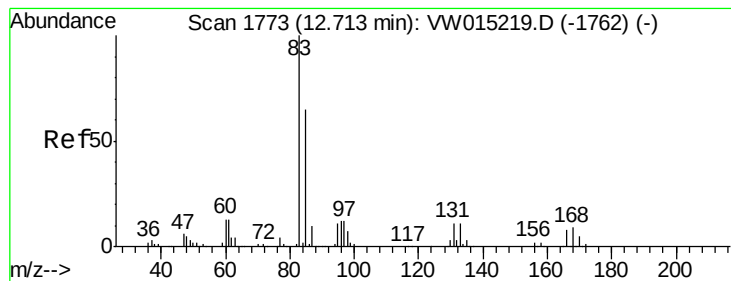
43 100

70 48.5 35.4 53.2

55 24.4 18.5 27.7

61 26.7 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.753 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

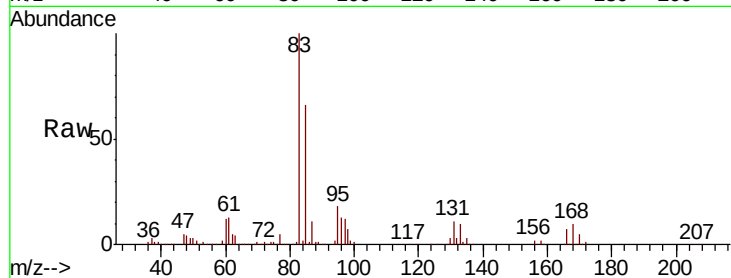
Tot Ion: 83 Resp: 88811

Ion Ratio Lower Upper

83 100

131 11.7 5.1 15.2

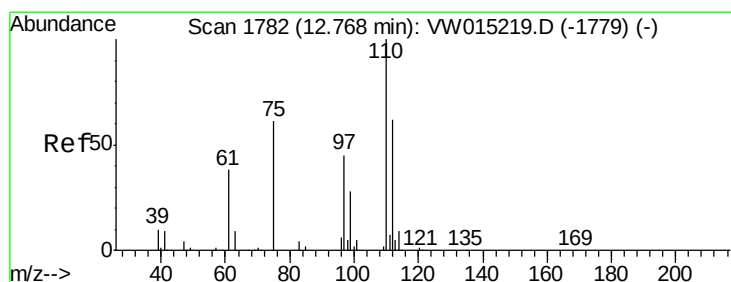
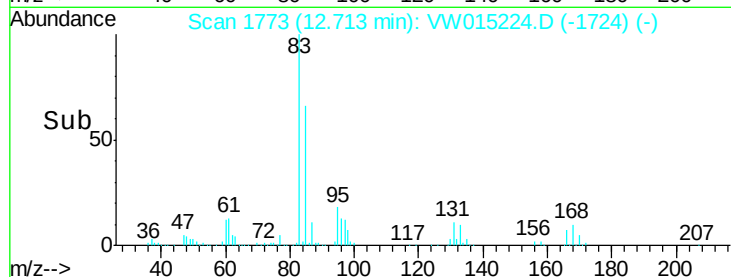
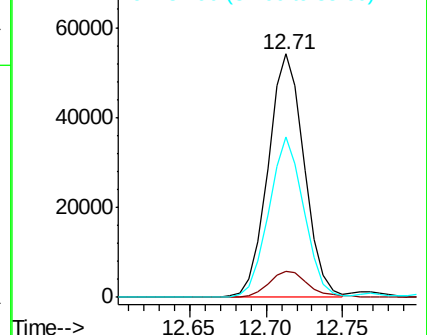
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 88.208 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015224.D

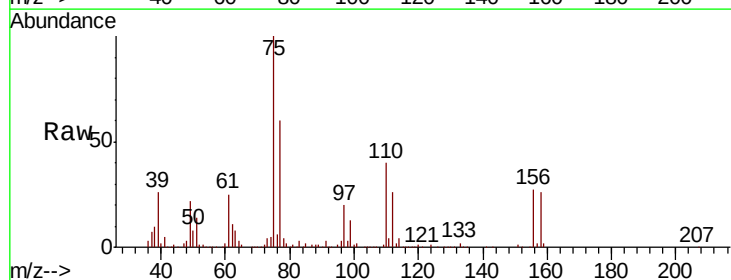
Acq: 20 Apr 2020 15:52

Tgt Ion: 75 Resp: 123735

Ion Ratio Lower Upper

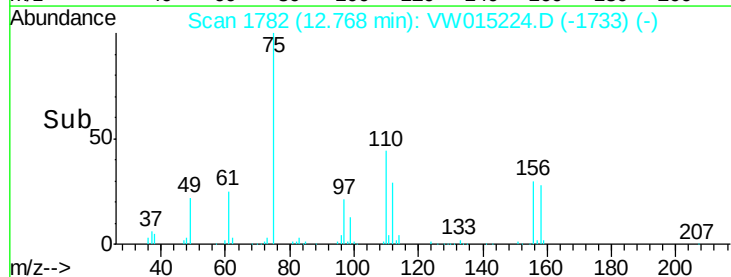
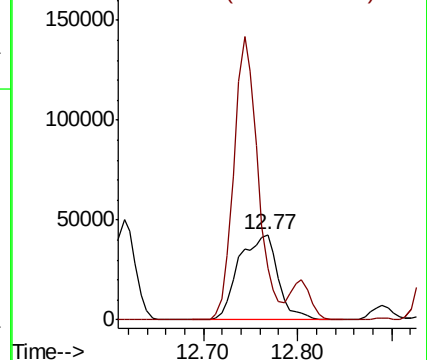
75 100

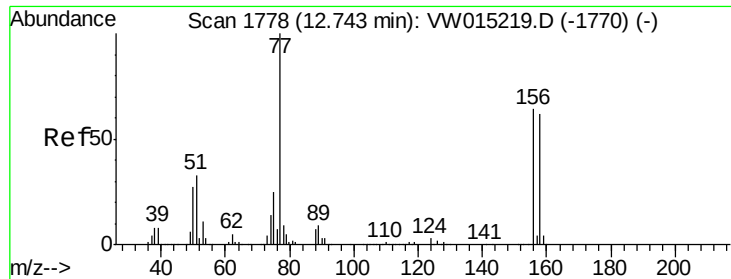
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.016 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

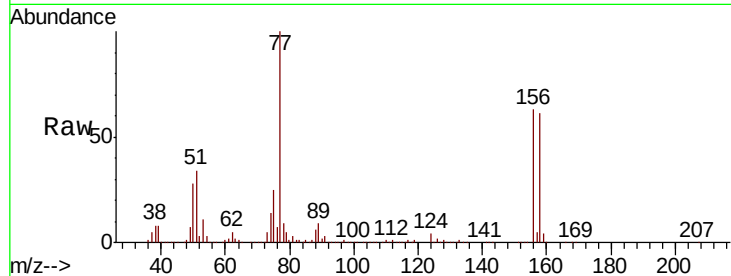
Tot Ion:156 Resp: 150248

Ion Ratio Lower Upper

156 100

77 169.4 100.5 301.5

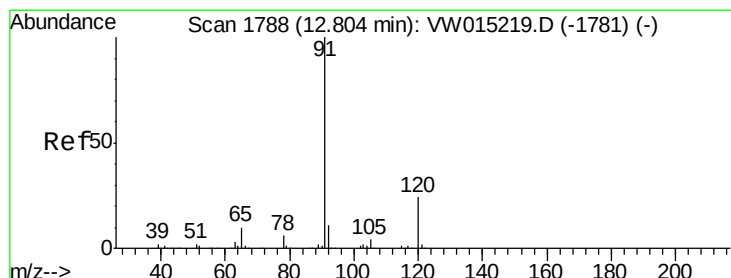
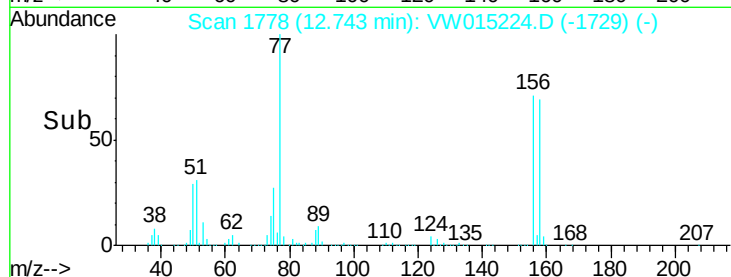
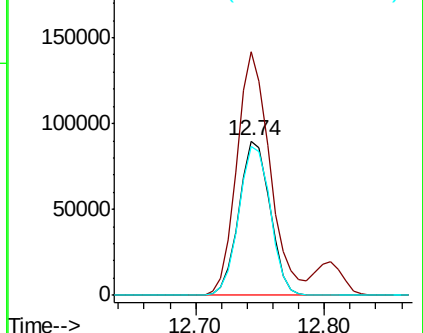
158 97.6 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.455 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015224.D

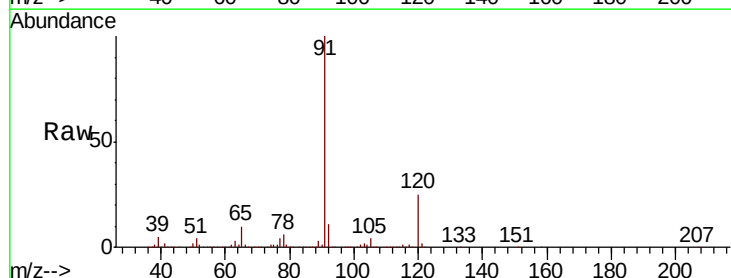
Acq: 20 Apr 2020 15:52

Tgt Ion: 91 Resp: 767852

Ion Ratio Lower Upper

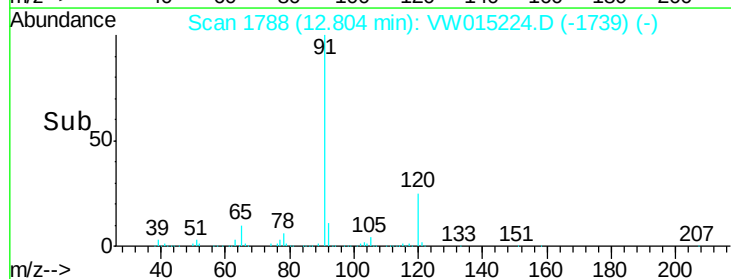
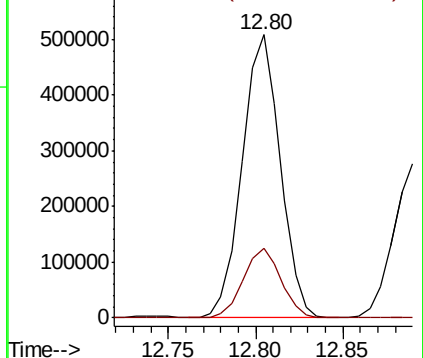
91 100

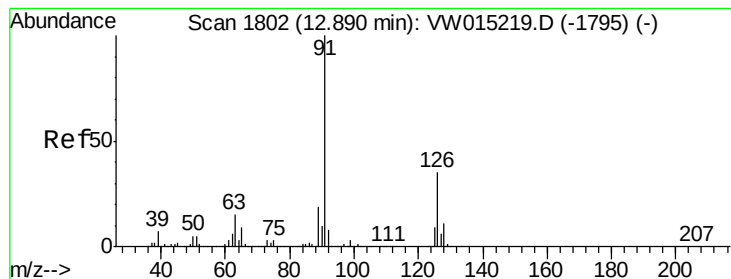
120 24.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.684 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

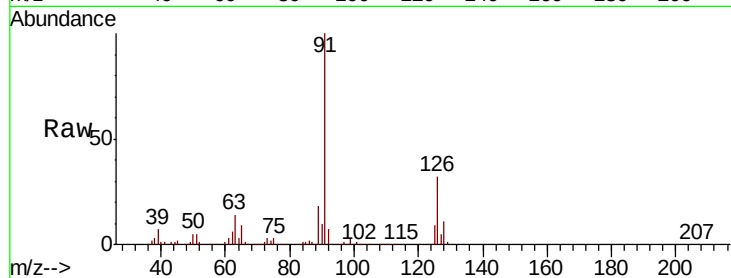
VSTDCCC050

Tot Ion: 91 Resp: 434613

Ion Ratio Lower Upper

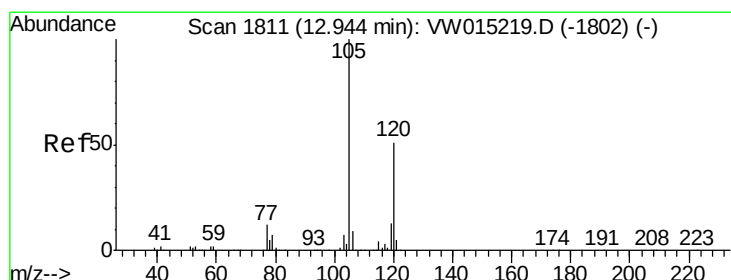
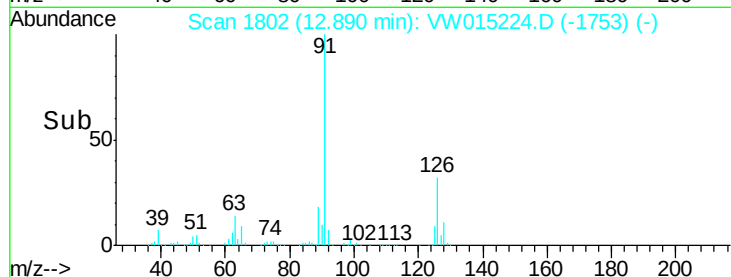
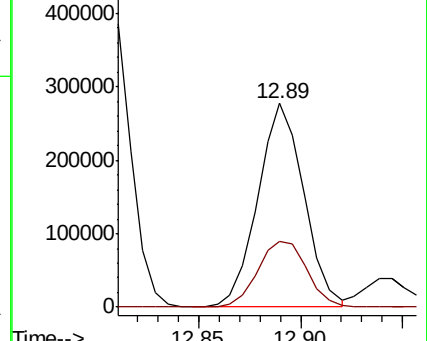
91 100

126 34.9 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.169 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015224.D

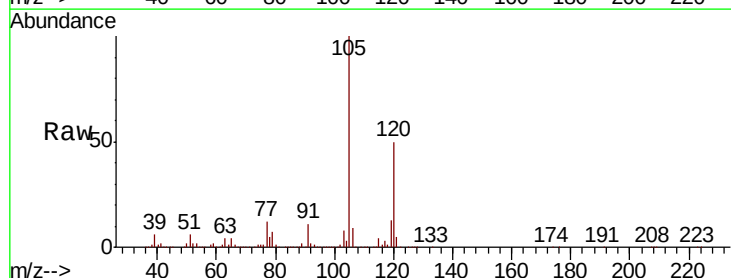
Acq: 20 Apr 2020 15:52

Tgt Ion:105 Resp: 564994

Ion Ratio Lower Upper

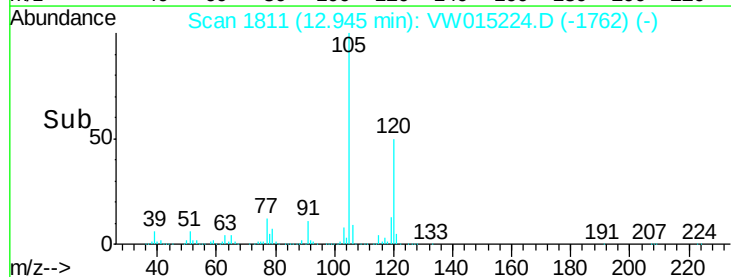
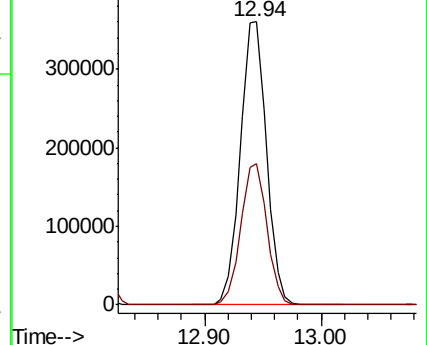
105 100

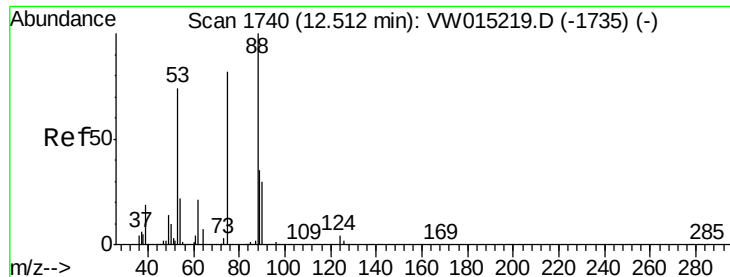
120 50.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.132 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

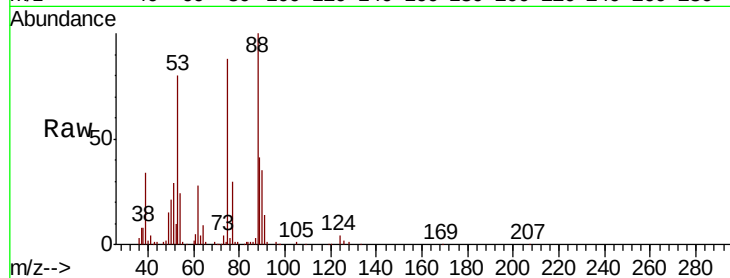
MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 32170

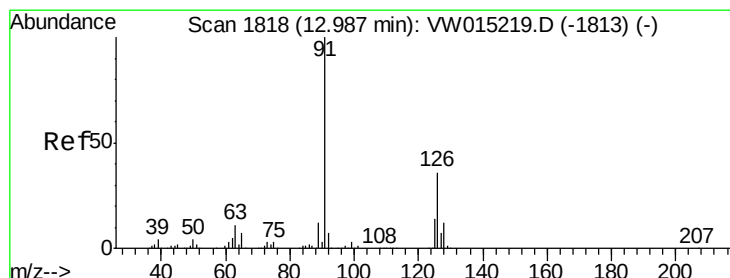
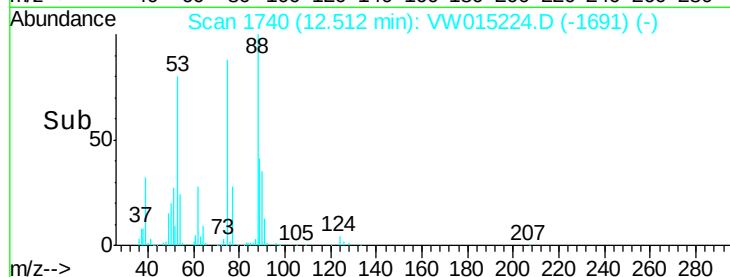
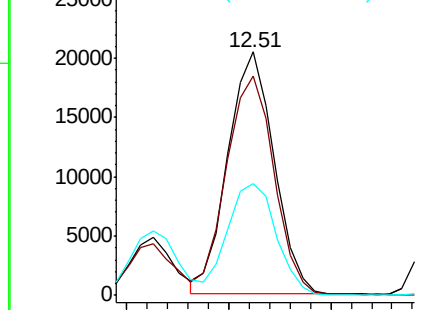
Ion	Ratio	Lower	Upper
75	100		
53	93.8	69.4	104.2
89	48.2	34.8	52.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 53.008 ug/l

RT: 12.99 min Scan# 1818

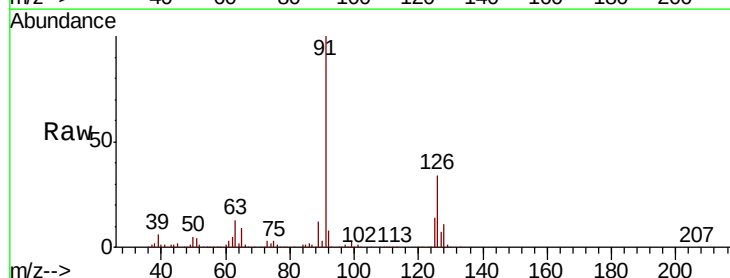
Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

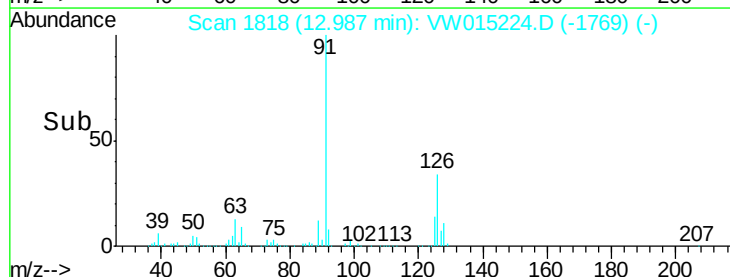
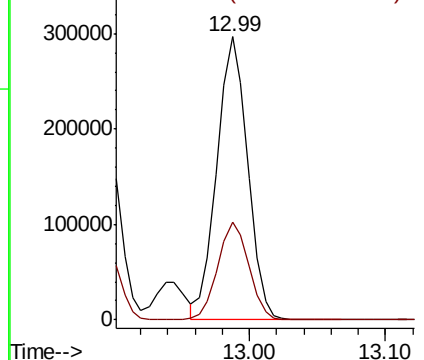
Tgt Ion: 91 Resp: 464290

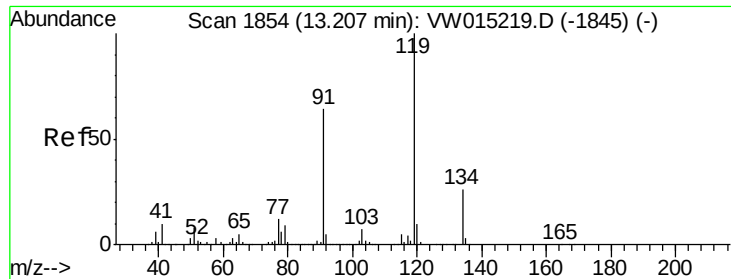
Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.8	50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

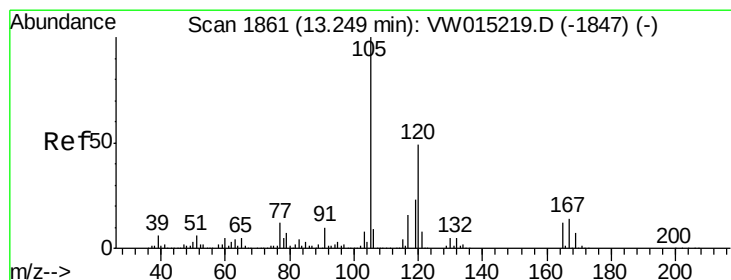
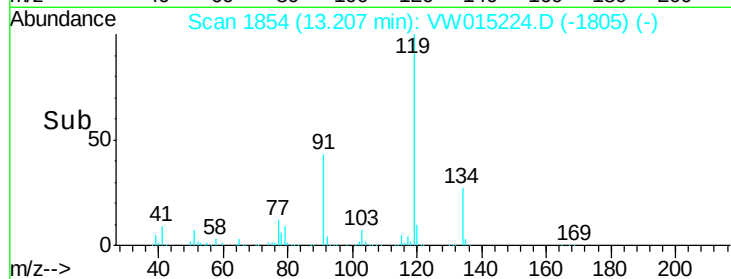
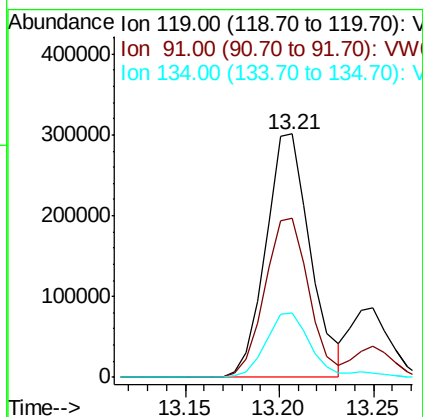
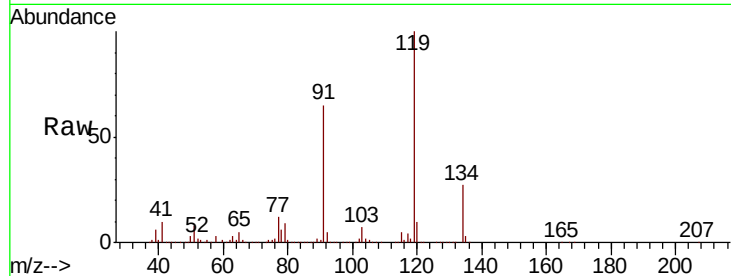




#83
 tert-Butylbenzene
 Concen: 52.063 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

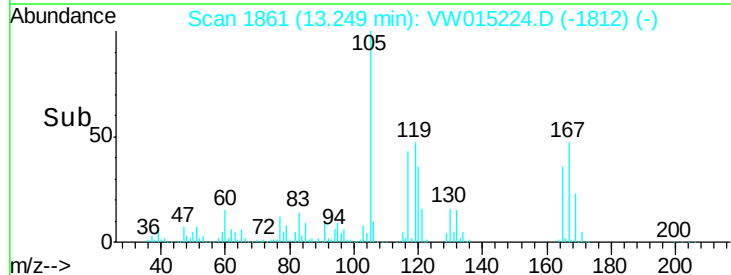
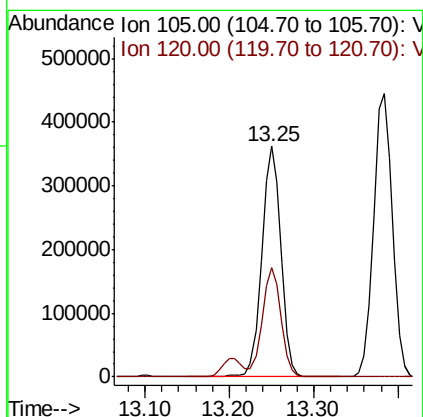
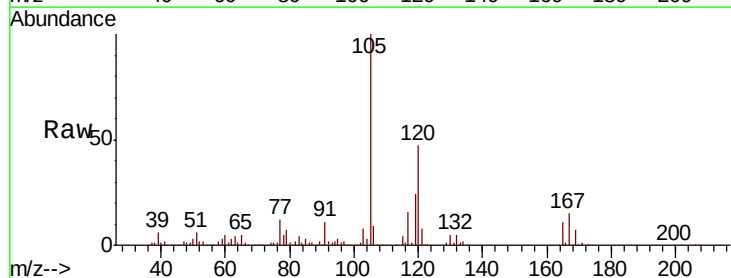
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

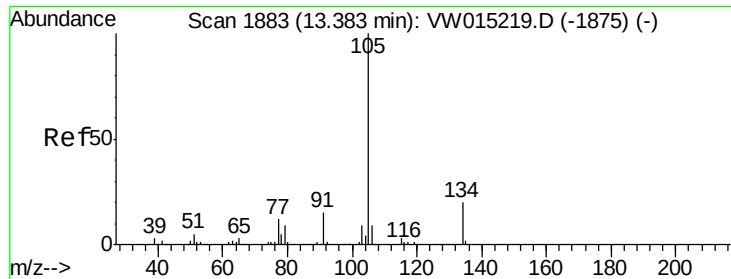
Tot Ion:119 Resp: 492810
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.8 98.3
 134 26.2 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 52.806 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion:105 Resp: 564064
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.759 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

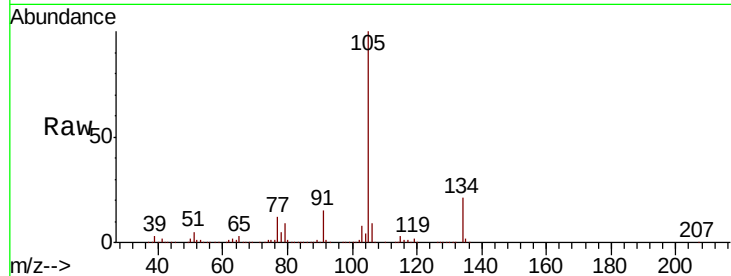
VSTDCCC050

Tot Ion:105 Resp: 689689

Ion Ratio Lower Upper

105 100

134 21.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

400000

300000

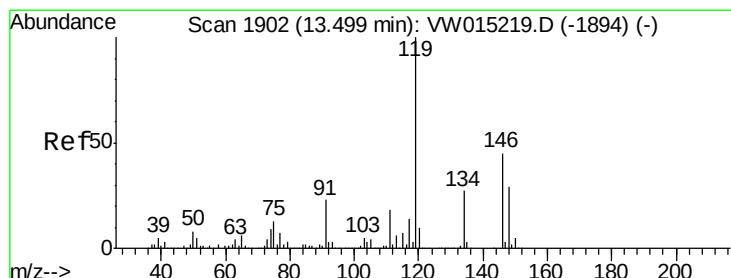
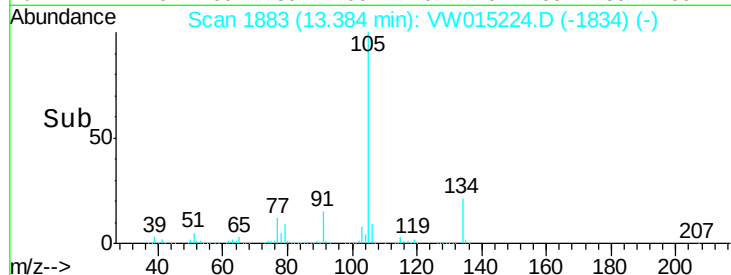
200000

100000

0

13.30 13.40

Time-->



#86

p-Isopropyltoluene

Concen: 52.713 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

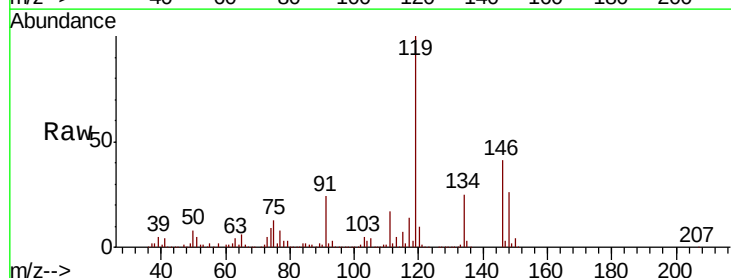
Tgt Ion:119 Resp: 640306

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.3 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.49

400000

300000

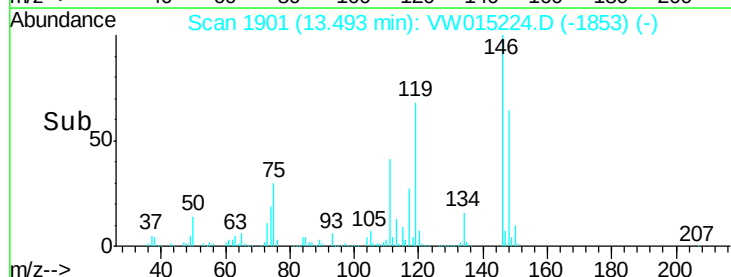
200000

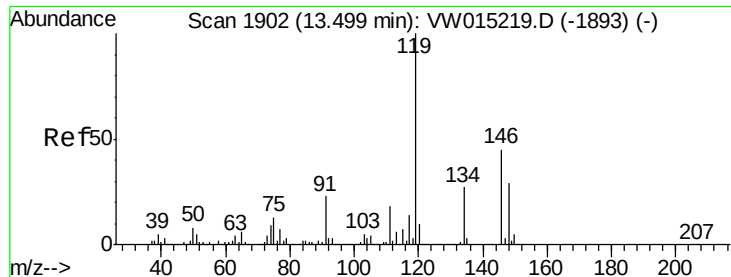
100000

0

13.45 13.50 13.55

Time-->

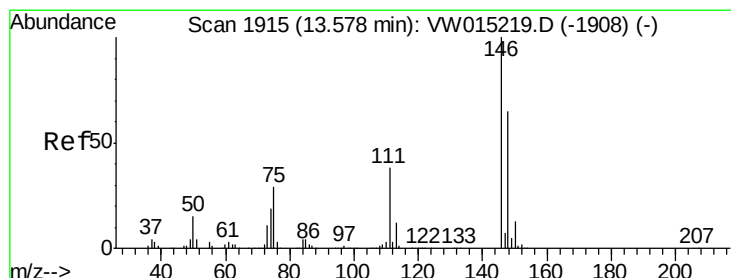
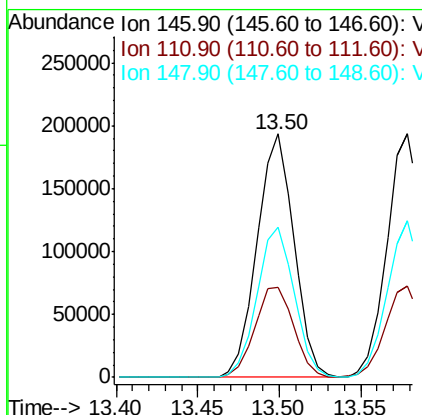
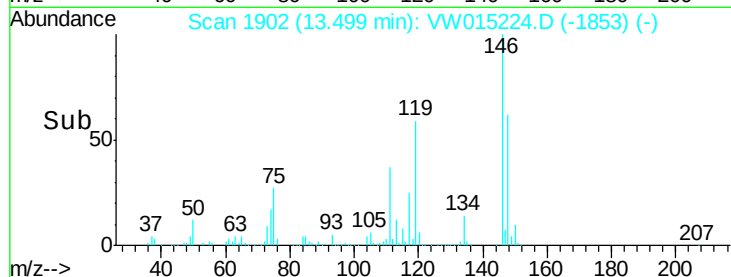
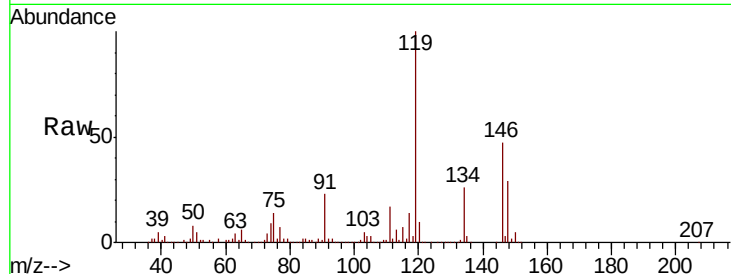




#87
 1,3-Dichlorobenzene
 Concen: 53.036 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

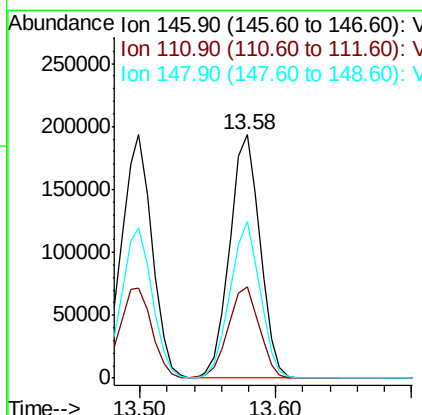
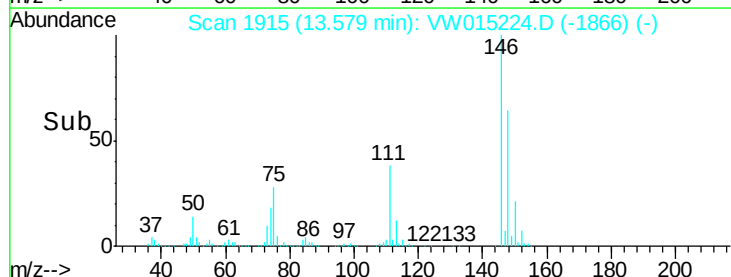
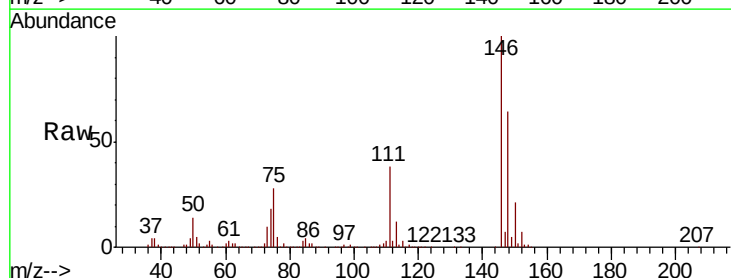
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

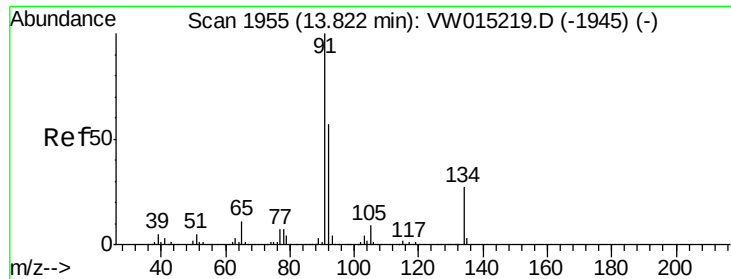
Tot Ion:146 Resp: 304383
 Ion Ratio Lower Upper
 146 100
 111 39.2 21.1 63.4
 148 62.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 53.518 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion:146 Resp: 301086
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.4 61.3
 148 63.5 31.5 94.5

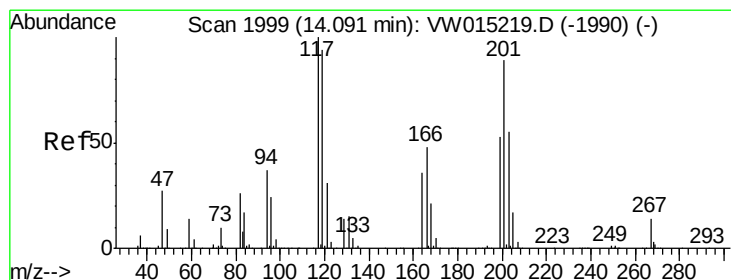
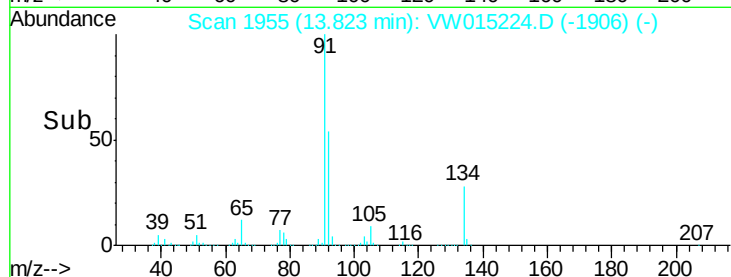
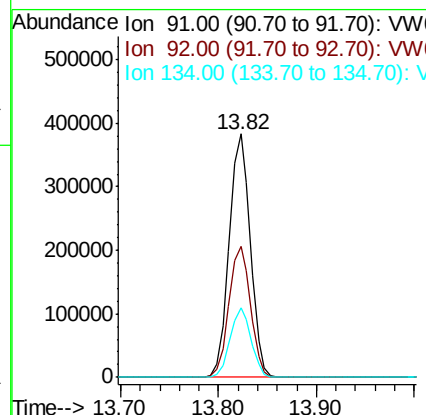
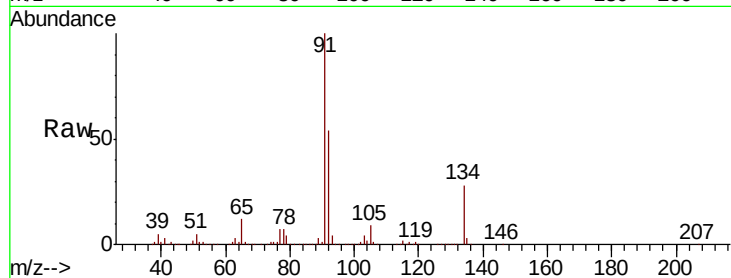




#89
n-Butylbenzene
Concen: 51.656 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

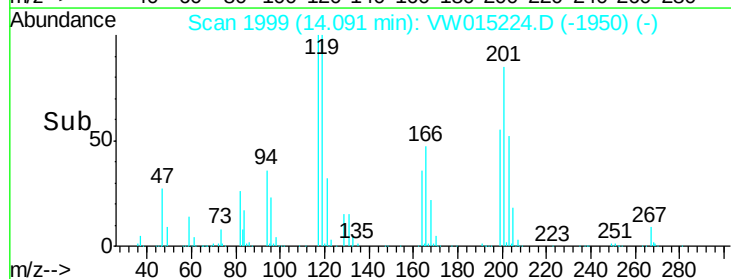
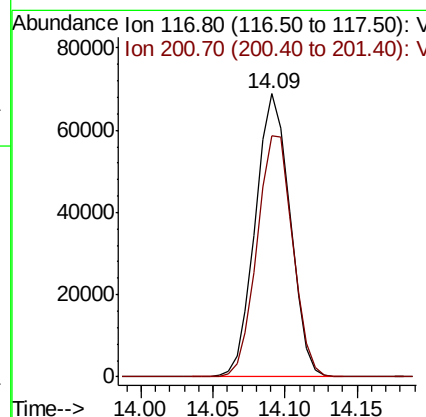
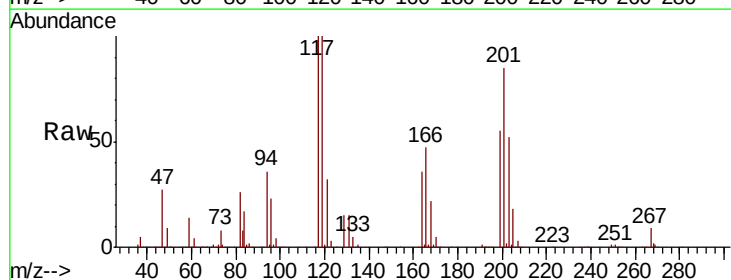
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

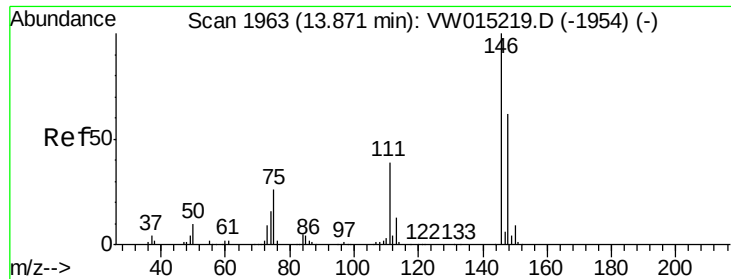
Tot Ion: 91 Resp: 573520
Ion Ratio Lower Upper
91 100
92 54.9 27.6 82.7
134 28.3 12.8 38.3



#90
Hexachloroethane
Concen: 51.581 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 117 Resp: 114904
Ion Ratio Lower Upper
117 100
201 87.3 33.6 100.6

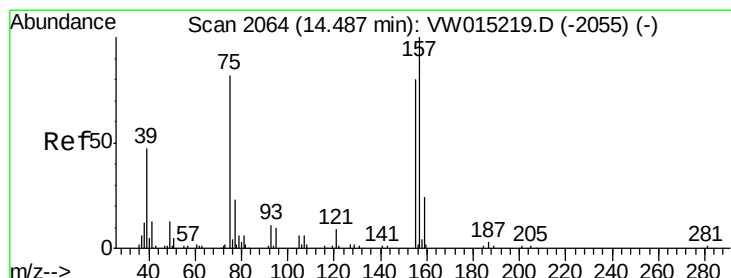
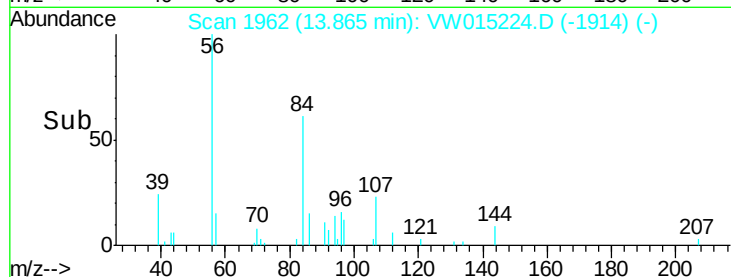
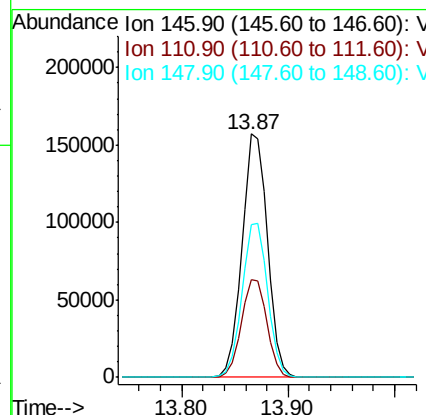
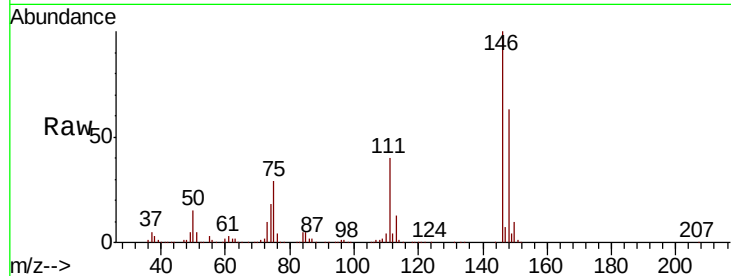




#91
 1,2-Dichlorobenzene
 Concen: 52.688 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

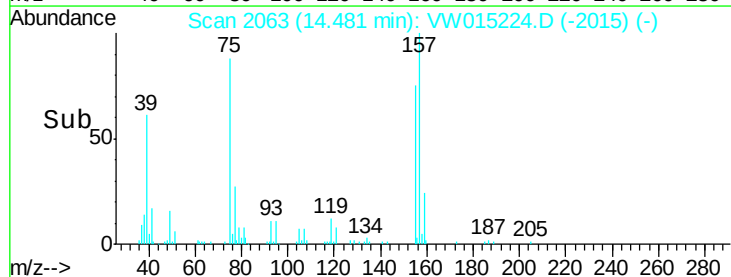
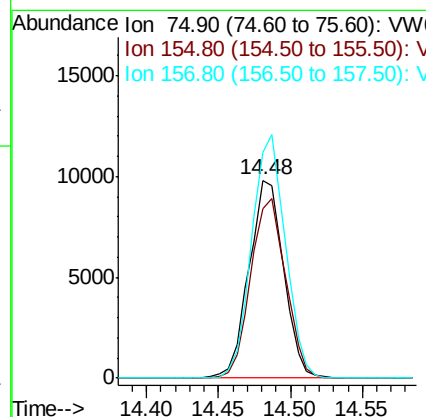
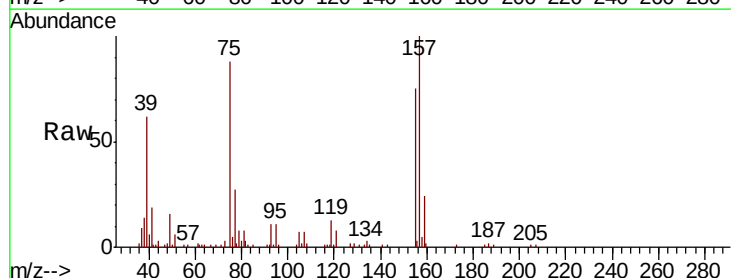
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

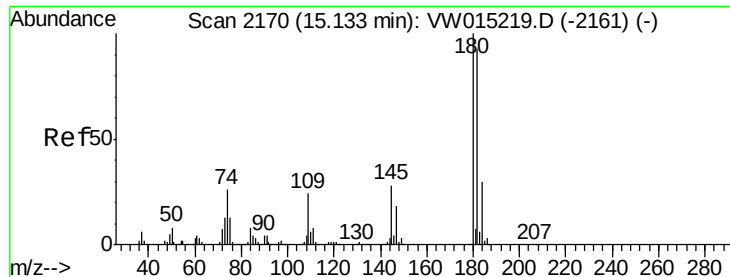
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.6	65.0
148	63.6	31.0	93.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.515 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	41.6	124.9
157	119.2	53.8	161.2

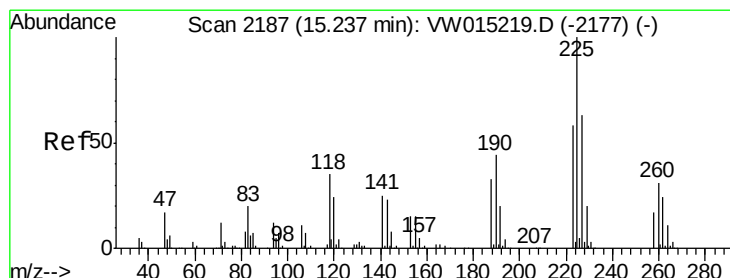
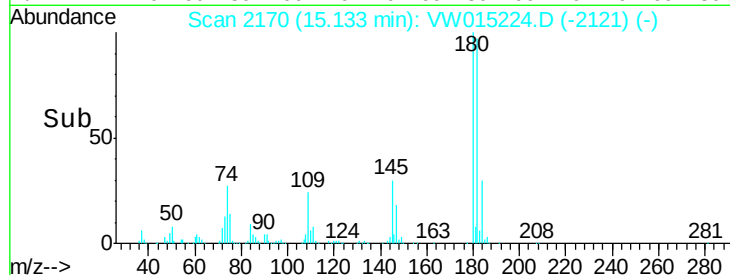
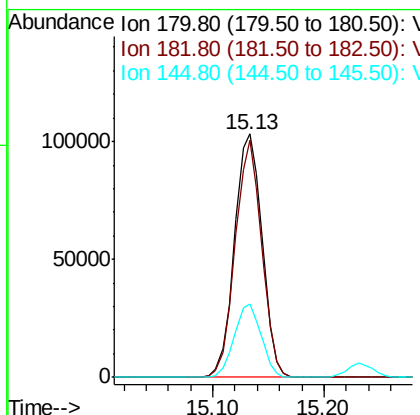
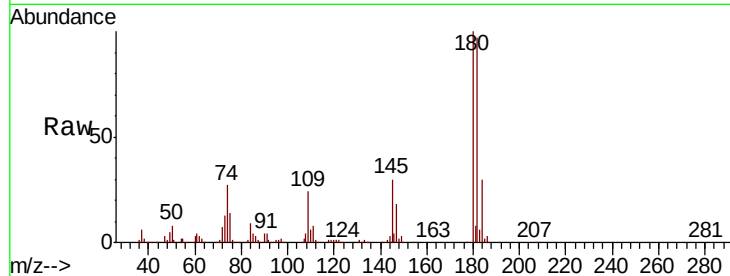




#93
 1,2,4-Trichlorobenzene
 Concen: 50.901 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

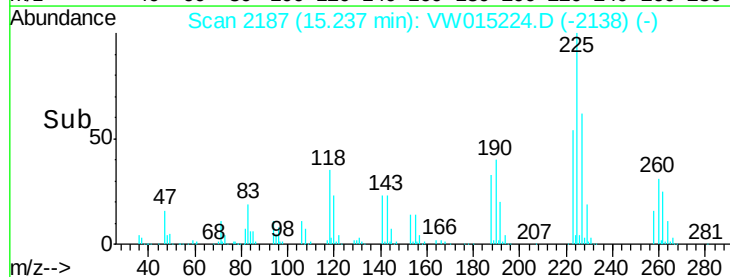
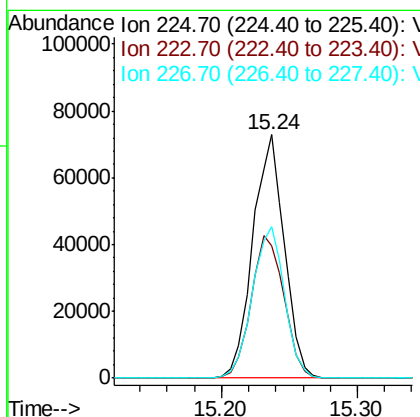
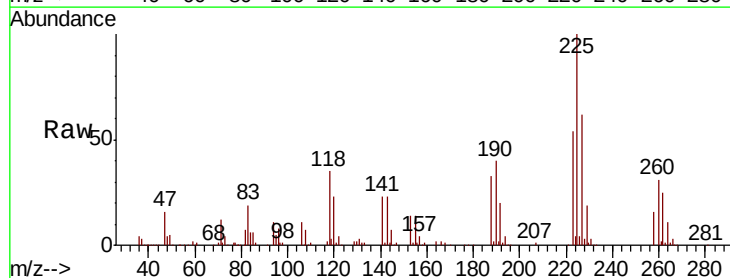
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

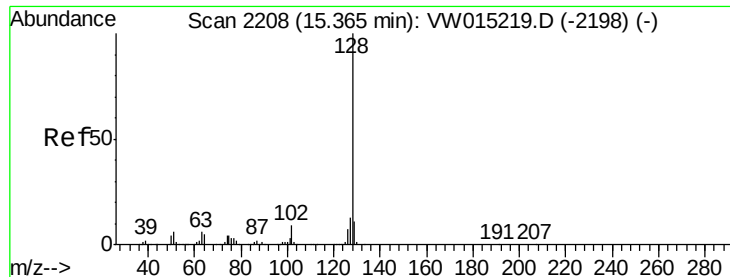
Tot Ion:180 Resp: 176448
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.1 141.4
 145 29.6 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 51.341 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion:225 Resp: 118655
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.0 93.0
 227 63.6 30.8 92.3

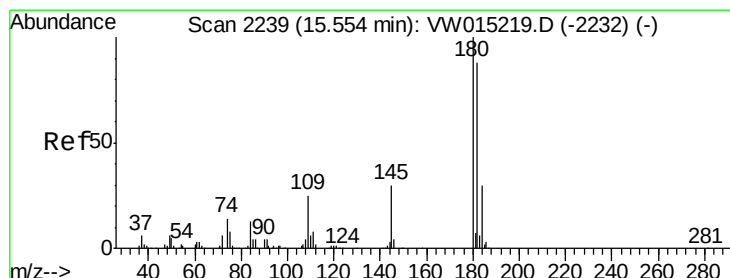
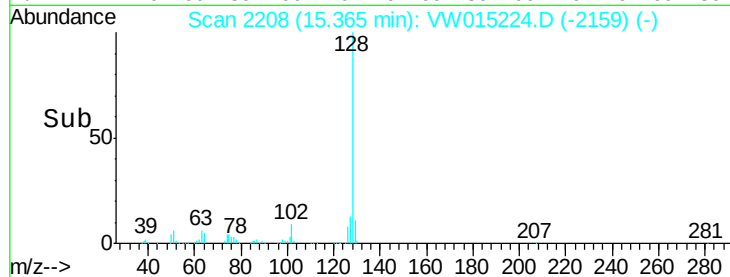
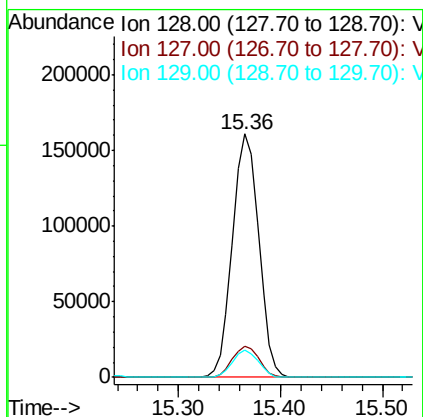
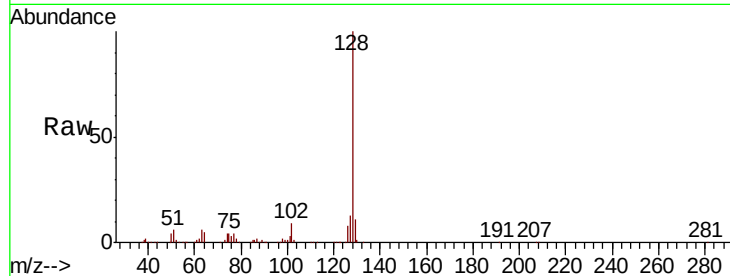




#95
Naphthalene
Concen: 51.488 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 287108
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.336 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion:180 Resp: 150430
Ion Ratio Lower Upper
180 100
182 95.2 48.8 146.3
145 30.7 17.2 51.6

