

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071320\
 Data File : VW015843.D
 Acq On : 13 Jul 2020 13:24
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

Quant Time: Jul 14 03:39:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 13 13:51:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	354902	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	336914	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	173799	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	148252	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.60%
7) Chloroethane-d5	2.89	69	141572	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.12%
10) 1,1-Dichloroethene-d2	4.01	63	217206	25.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.60%
20) 2-Butanone-d5	7.09	46	50016	52.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.62%
24) Chloroform-d	7.65	84	242202	25.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.24%
26) 1,2-Dichloroethane-d4	8.31	65	130989	25.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.88%
29) Benzene-d6	8.27	84	484653	25.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.64%
33) 1,2-Dichloropropane-d6	9.27	67	134172	25.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.84%
37) Toluene-d8	10.32	98	465956	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.96%
38) trans-1,3-Dichloropropene-	10.58	79	60388	26.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.12%
39) 2-Hexanone-d5	10.93	63	42808	56.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	114141	26.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	169706	25.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	60731	26.147	ug/L 99
3) Chloromethane	2.21	50	88469	22.965	ug/L 99
5) Vinyl chloride	2.37	62	155155	23.194	ug/L 99
6) Bromomethane	2.78	94	125601	20.633	ug/L 98
8) Chloroethane	2.93	64	106614	21.879	ug/L 98
9) Trichlorofluoromethane	3.26	101	145059	21.941	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	98987	25.058	ug/L 97
12) 1,1-Dichloroethene	4.03	96	97061	26.033	ug/L 94
13) Acetone	4.13	43	33913	46.956	ug/L 97
14) Carbon disulfide	4.38	76	311398	25.234	ug/L 98
15) Methyl Acetate	4.68	43	39096	26.386	ug/L 99
16) Methylene chloride	4.92	84	111388	23.682	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	146457	25.683	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	113413	24.766	ug/L 97
19) 1,1-Dichloroethane	6.21	63	191265	24.113	ug/L 99
21) 2-Butanone	7.17	43	47683	48.587	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	118471	24.689	ug/L 97

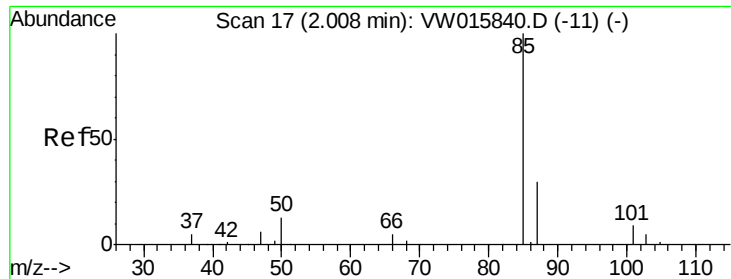
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071320\
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 Quant Title : VOC Analysis
 QLast Update : Mon Jul 13 13:51:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	55543	25.899	ug/L	96
25) Chloroform	7.68	83	205420	23.808	ug/L	100
27) 1,2-Dichloroethane	8.40	62	137109	24.326	ug/L	98
30) Cyclohexane	7.96	56	167042	24.290	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	178119	23.917	ug/L	99
32) Carbon tetrachloride	8.07	117	171049	24.544	ug/L	100
34) Benzene	8.32	78	458162	24.436	ug/L	100
35) Trichloroethene	9.09	95	122805	24.124	ug/L	97
36) Methylcyclohexane	9.34	83	206787	23.729	ug/L	99
40) 1,2-Dichloropropane	9.37	63	107001	23.997	ug/L	99
41) Bromodichloromethane	9.65	83	148807	24.478	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	173775	25.954	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	110292	52.606	ug/L	100
44) Toluene	10.39	91	521142	24.693	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	152980	25.686	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	87148	25.242	ug/L	97
47) Tetrachloroethene	10.87	164	101387	24.471	ug/L	95
49) 2-Hexanone	10.97	43	77080	51.871	ug/L	99
50) Dibromochloromethane	11.13	129	107492	25.964	ug/L	93
51) 1,2-Dibromoethane	11.24	107	85202	25.938	ug/L	97
52) Chlorobenzene	11.66	112	341119	24.606	ug/L	99
53) Ethylbenzene	11.73	91	585139	24.482	ug/L	96
54) m,p-Xylene	11.84	106	232589	25.360	ug/L	96
55) o-xylene	12.17	106	220023	25.240	ug/L	94
56) Styrene	12.18	104	373136	25.405	ug/L	96
57) Isopropylbenzene	12.46	105	593733	24.832	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	101495	25.794	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	73431	25.407	ug/L	99
62) Bromoform	12.35	173	60206	25.651	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	272212	24.874	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	269313	24.293	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	239758	24.178	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	15664	25.551	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	179544	24.610	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	141242	24.794	ug/L	98
69) Naphthalene	15.37	128	281192	27.706	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	127820	25.148	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 26.147 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampled :

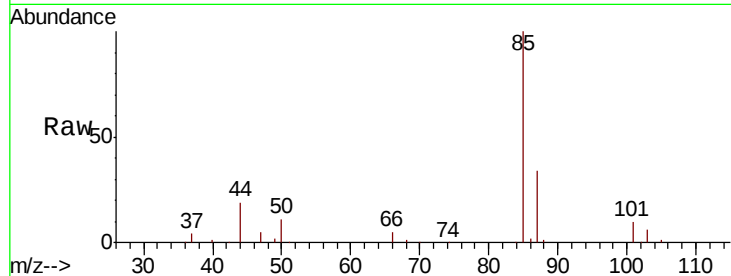
VICV04

Tot Ion: 85 Resp: 60731

Ion Ratio Lower Upper

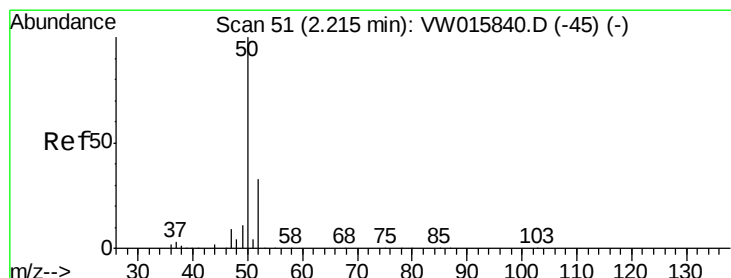
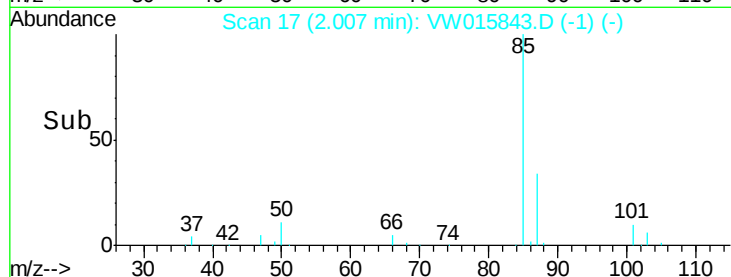
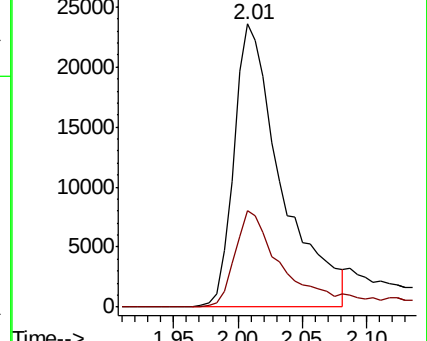
85 100

87 32.3 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.965 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015843.D

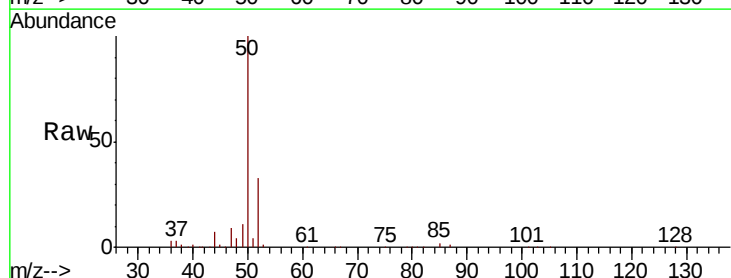
Acq: 13 Jul 2020 13:24

Tgt Ion: 50 Resp: 88469

Ion Ratio Lower Upper

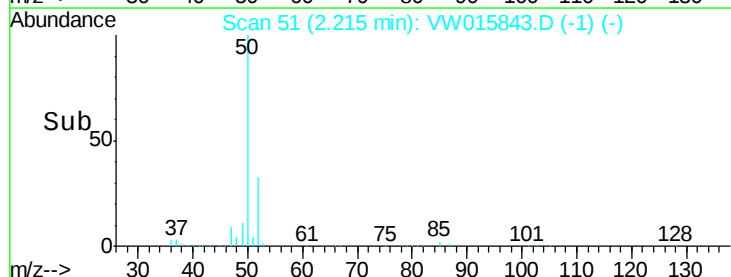
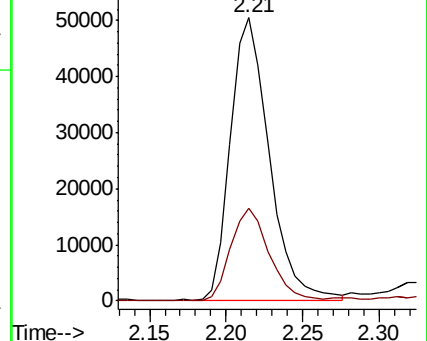
50 100

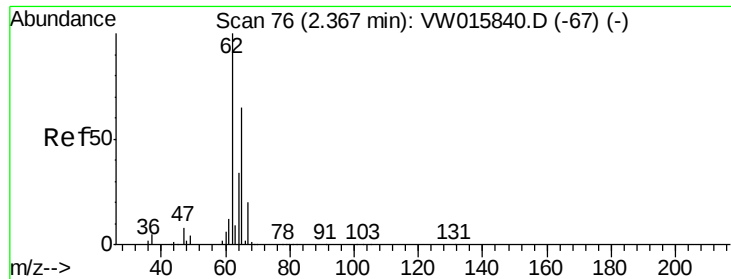
52 32.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.194 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

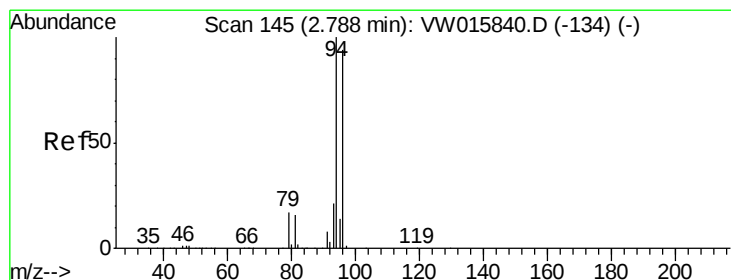
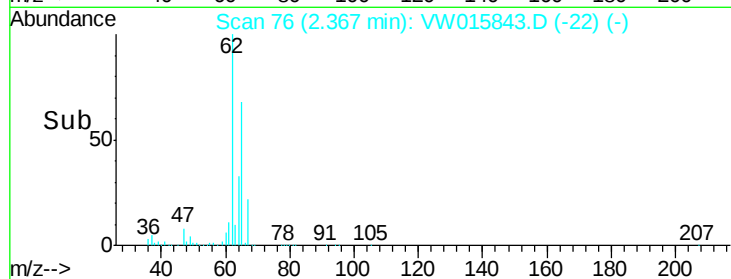
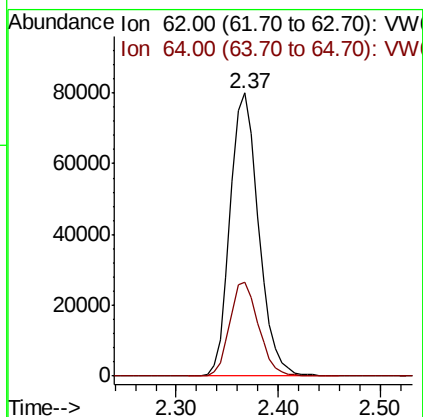
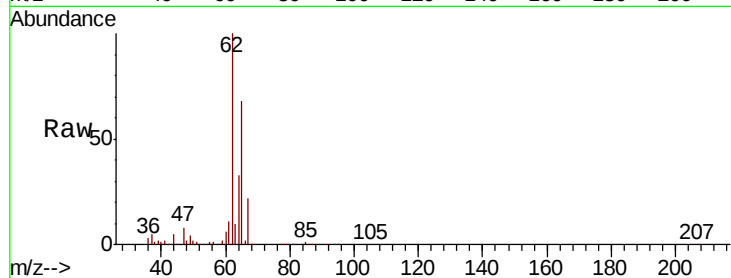
VICV04

Tot Ion: 62 Resp: 155155

Ion Ratio Lower Upper

62 100

64 33.4 23.7 43.9



#6

Bromomethane

Concen: 20.633 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015843.D

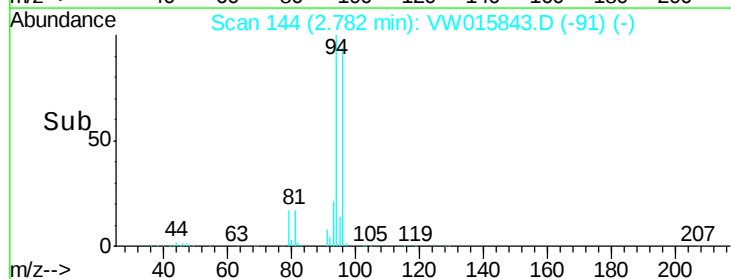
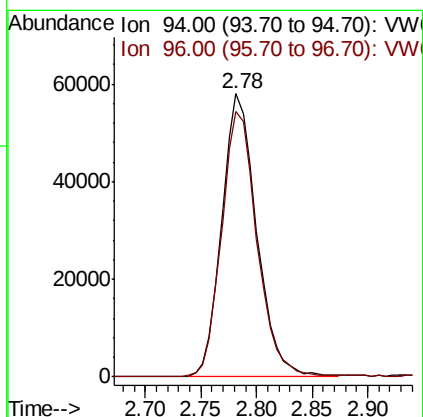
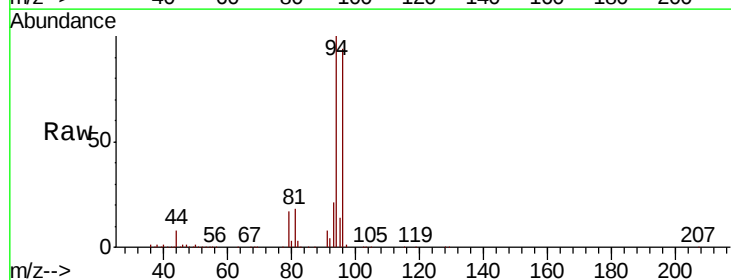
Acq: 13 Jul 2020 13:24

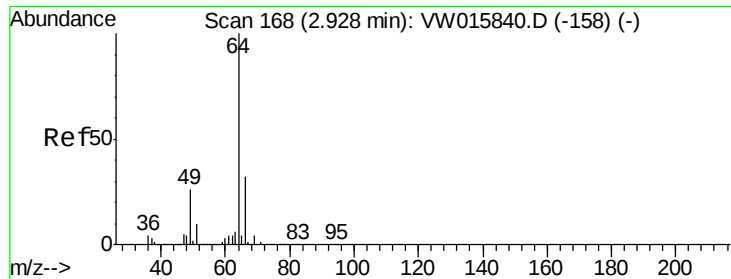
Tgt Ion: 94 Resp: 125601

Ion Ratio Lower Upper

94 100

96 96.0 9.4 179.0





#8

Chloroethane

Concen: 21.879 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

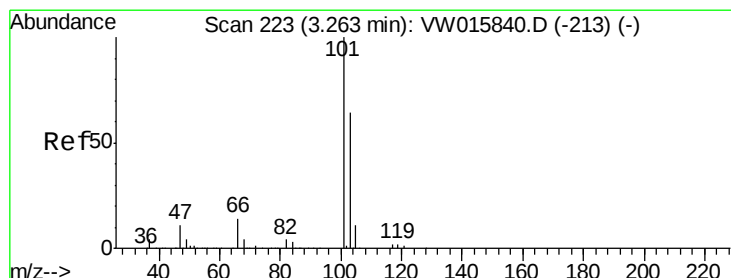
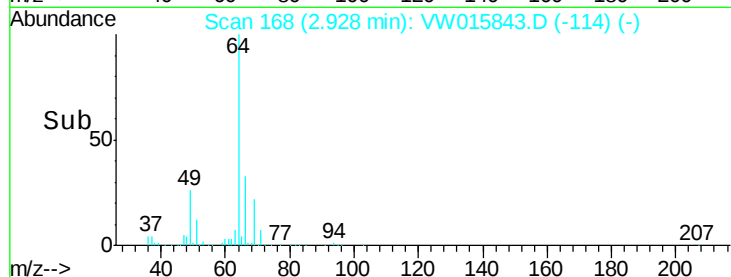
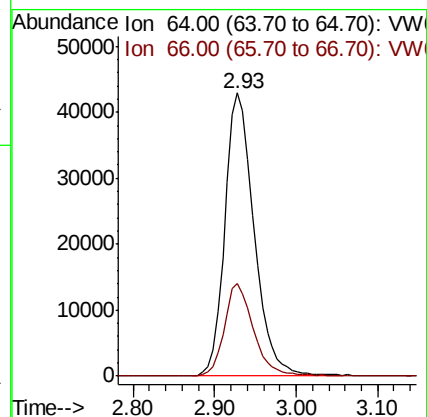
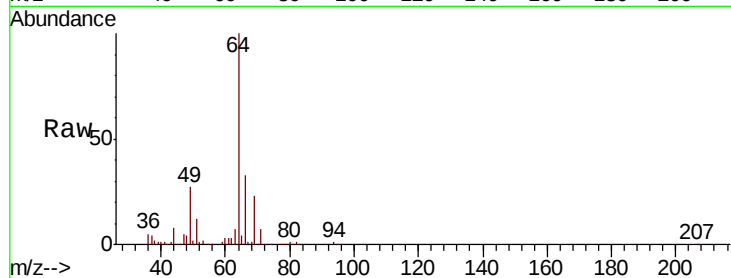
VICV04

Tot Ion: 64 Resp: 106614

Ion Ratio Lower Upper

64 100

66 32.6 22.2 41.2



#9

Trichlorofluoromethane

Concen: 21.941 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015843.D

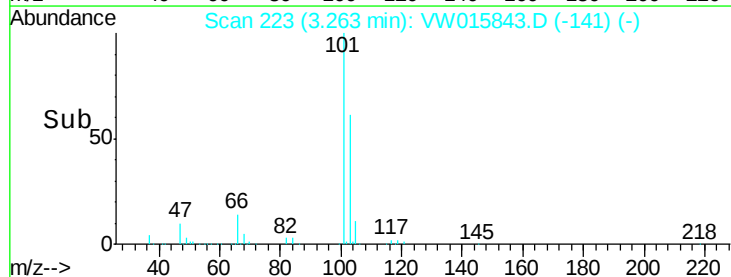
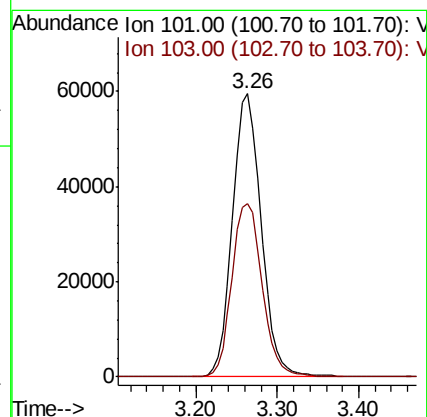
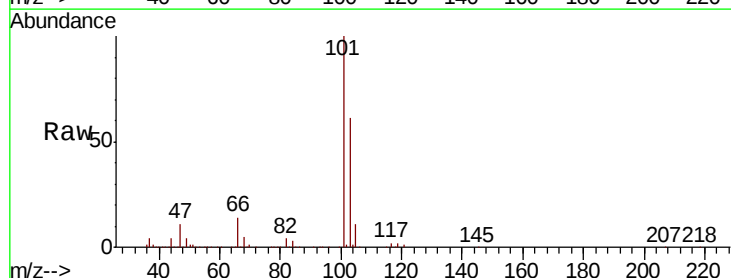
Acq: 13 Jul 2020 13:24

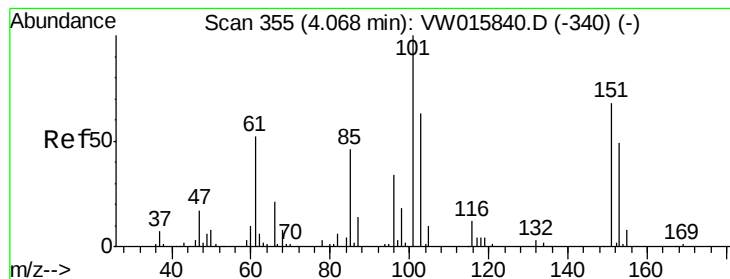
Tgt Ion: 101 Resp: 145059

Ion Ratio Lower Upper

101 100

103 64.4 46.1 85.5





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 25.058 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

VICV04

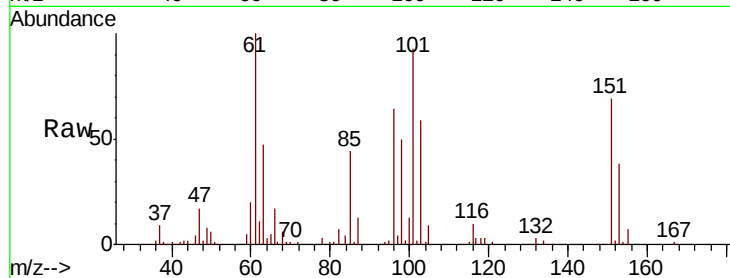
Tot Ion:101 Resp: 98987

Ion Ratio Lower Upper

101 100

85 46.3 38.8 58.2

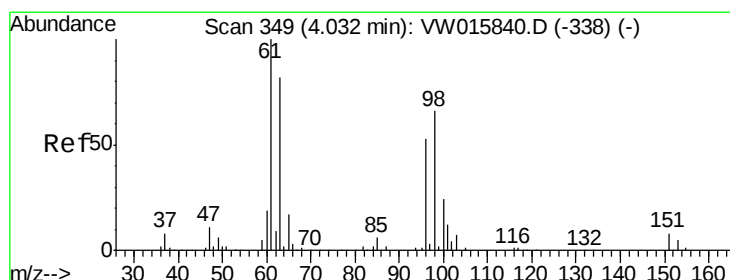
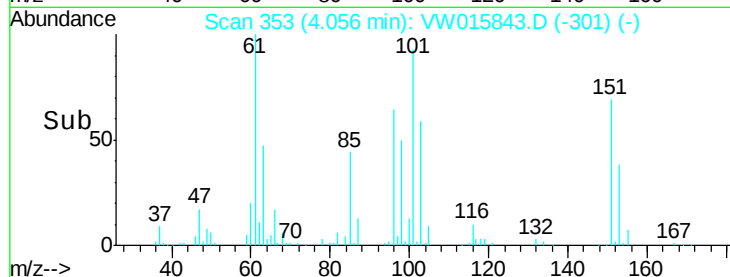
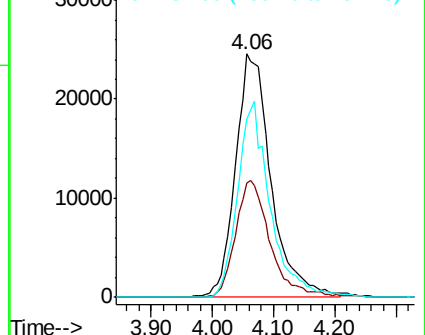
151 71.9 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.033 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

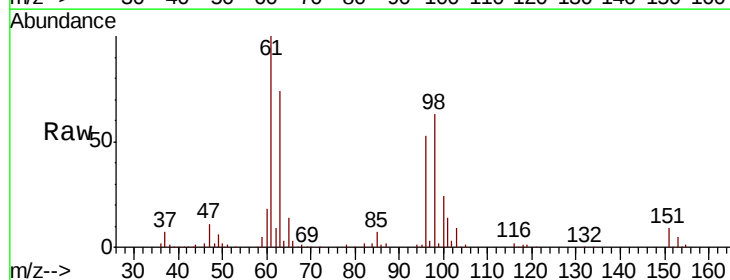
Tgt Ion: 96 Resp: 97061

Ion Ratio Lower Upper

96 100

61 188.1 131.7 244.5

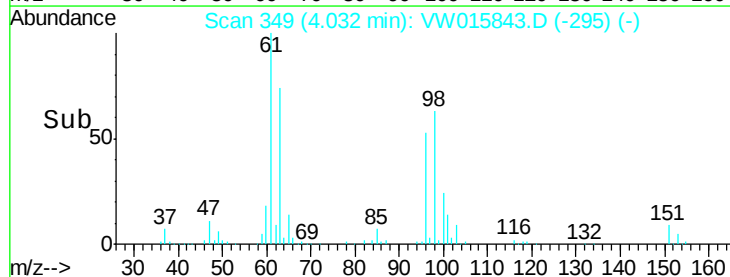
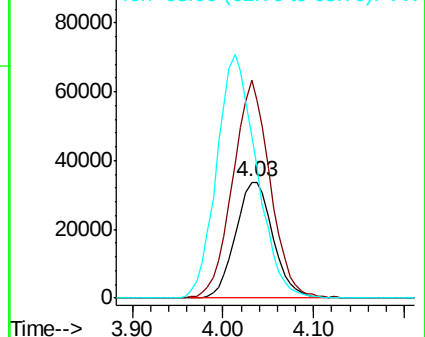
63 139.2 110.4 205.0

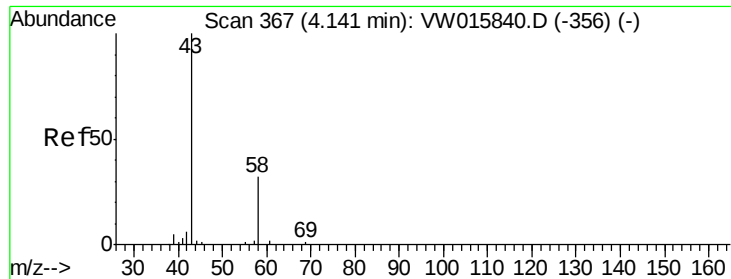


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.956 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampled :

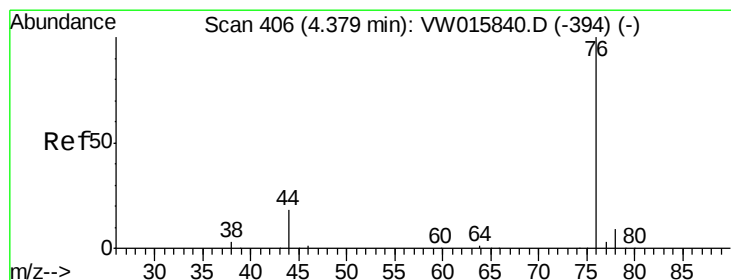
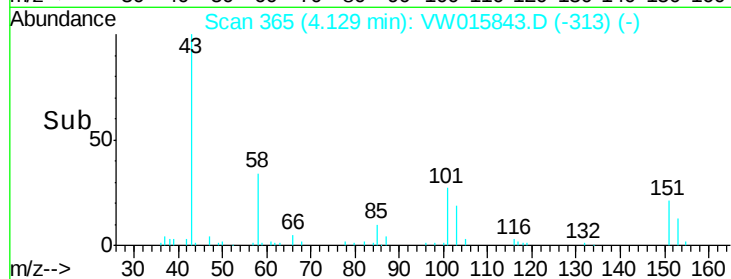
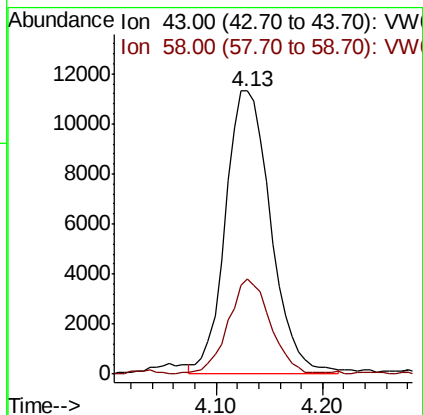
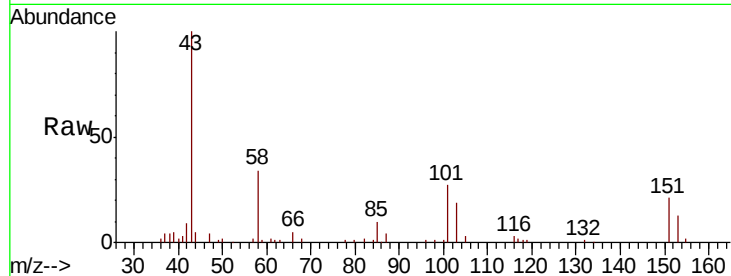
VICV04

Tot Ion: 43 Resp: 33913

Ion Ratio Lower Upper

43 100

58 31.1 0.0 59.4



#14

Carbon disulfide

Concen: 25.234 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015843.D

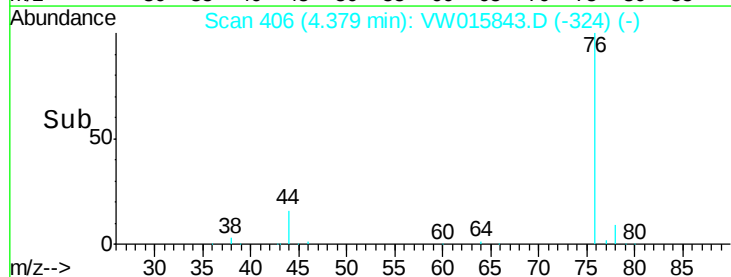
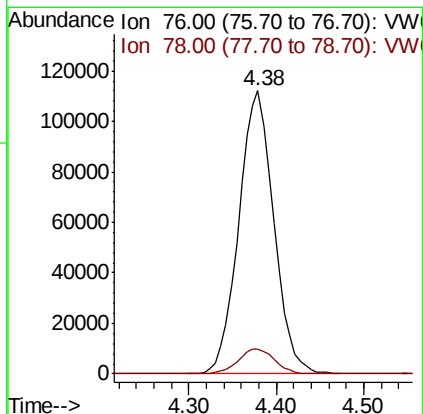
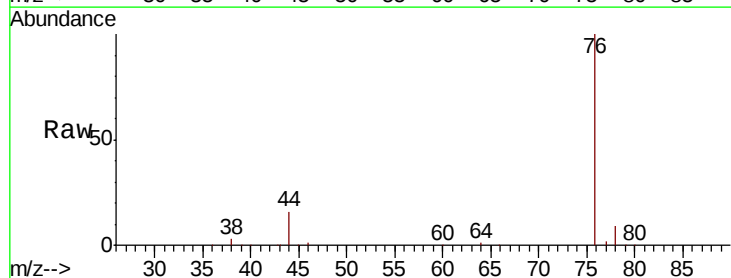
Acq: 13 Jul 2020 13:24

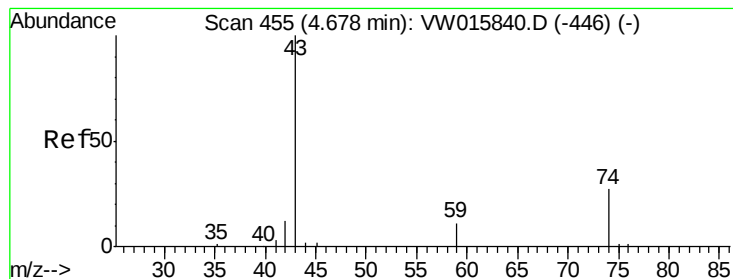
Tgt Ion: 76 Resp: 311398

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2





#15

Methvl Acetate

Concen: 26.386 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

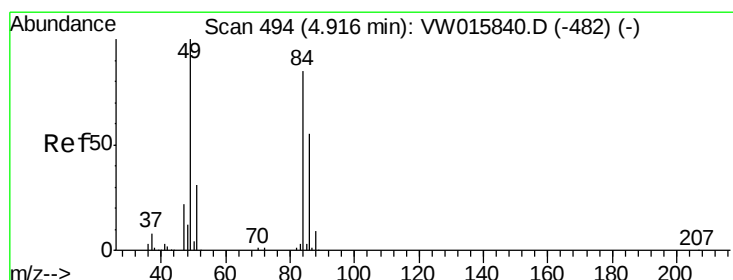
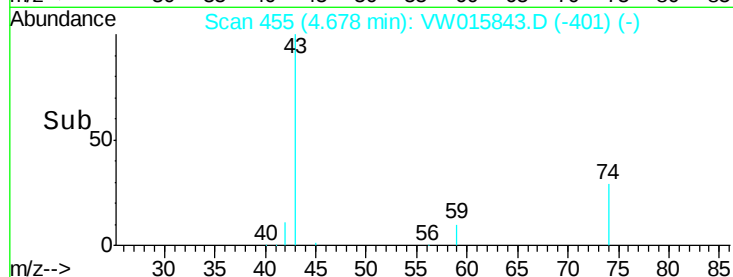
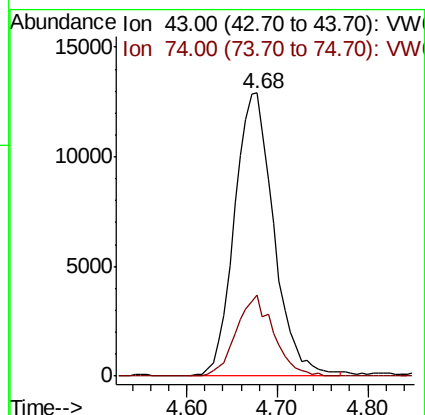
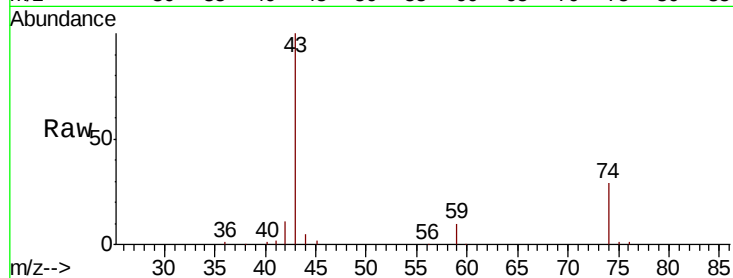
VICV04

Tot Ion: 43 Resp: 39096

Ion Ratio Lower Upper

43 100

74 27.1 21.4 32.0



#16

Methylene chloride

Concen: 23.682 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

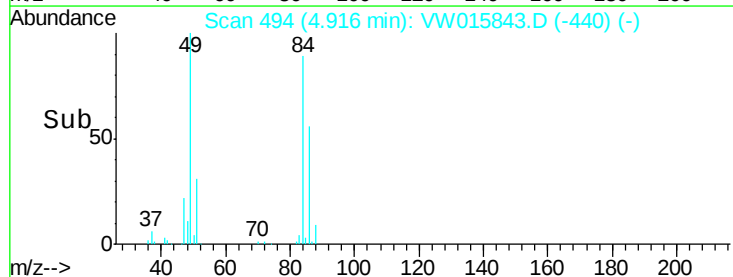
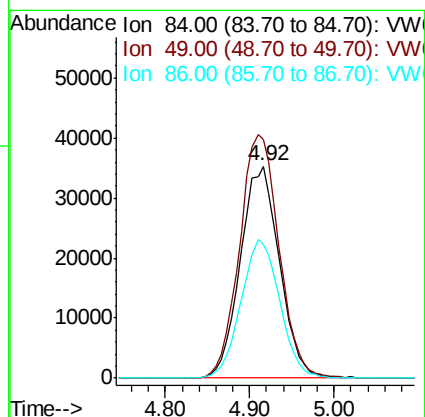
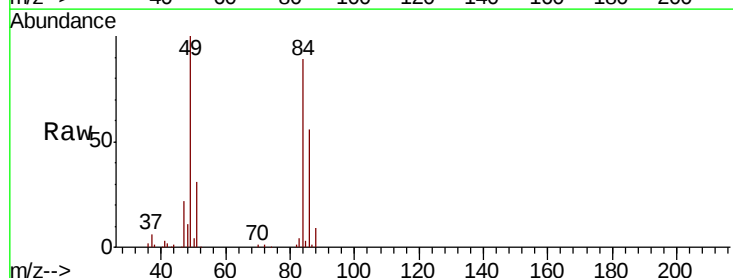
Tgt Ion: 84 Resp: 111388

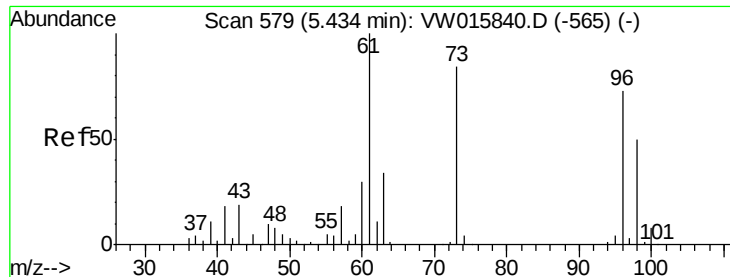
Ion Ratio Lower Upper

84 100

49 112.7 82.5 153.1

86 62.8 45.4 84.2

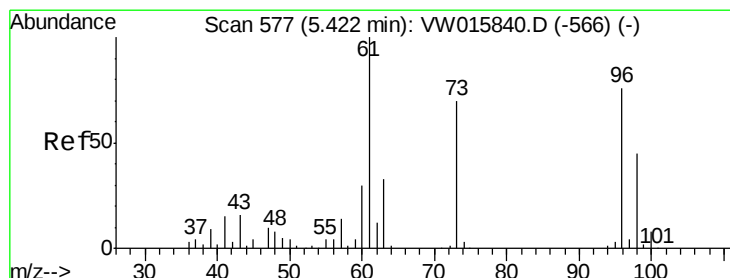
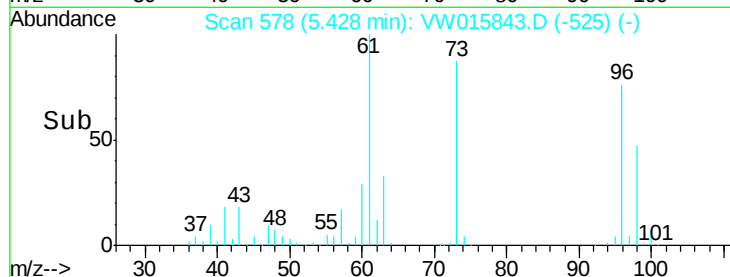
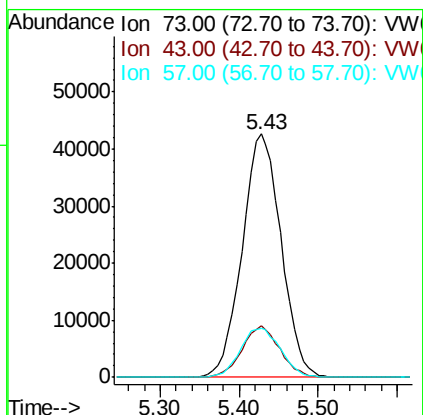
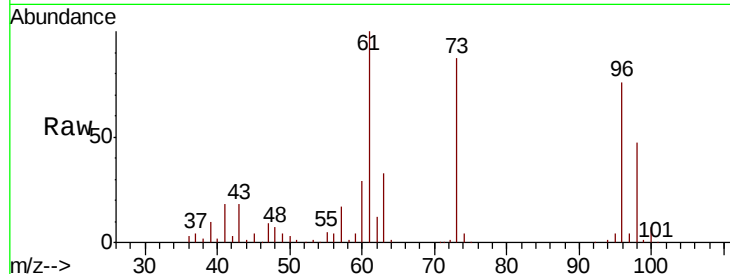




#17
Methvl tert-butvl Ether
Concen: 25.683 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015843.D
Acq: 13 Jul 2020 13:24

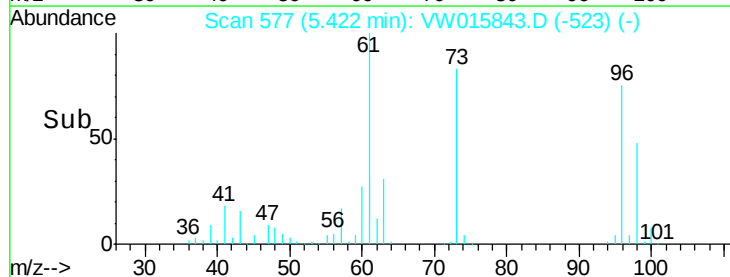
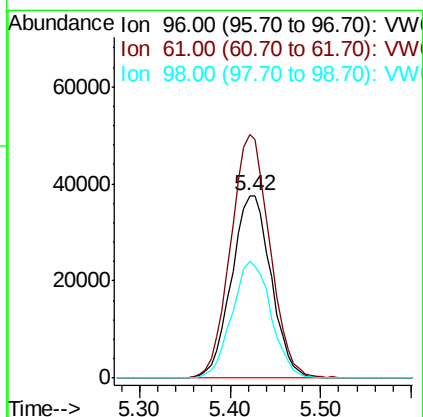
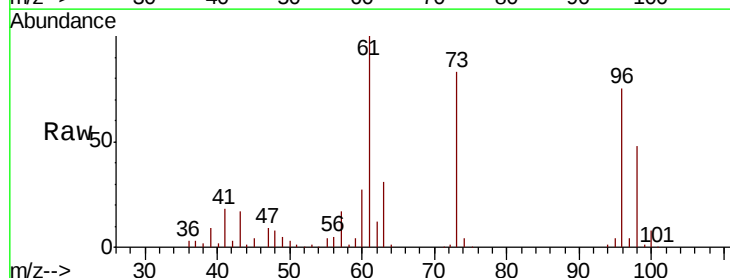
Instrument :
MSVOA_W
ClientSampled :
VICV04

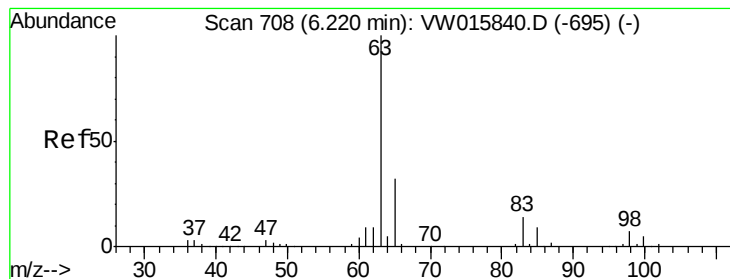
Tot Ion: 73 Resp: 146457
Ion Ratio Lower Upper
73 100
43 20.5 17.8 26.8
57 20.9 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 24.766 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015843.D
Acq: 13 Jul 2020 13:24

Tgt Ion: 96 Resp: 113413
Ion Ratio Lower Upper
96 100
61 133.5 92.5 171.7
98 63.9 41.1 76.3





#19

1,1-Dichloroethane

Concen: 24.113 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

VICV04

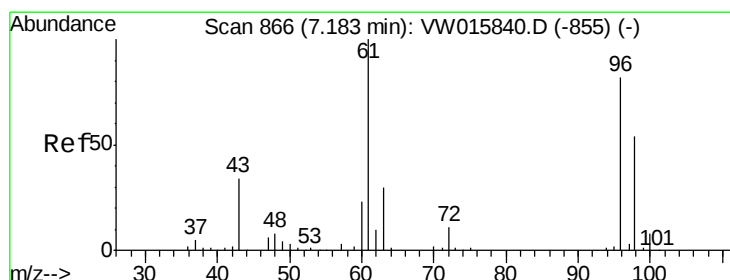
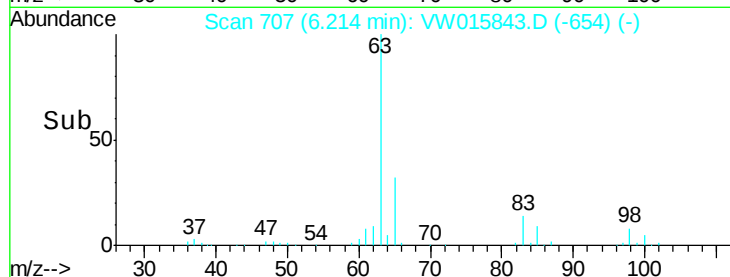
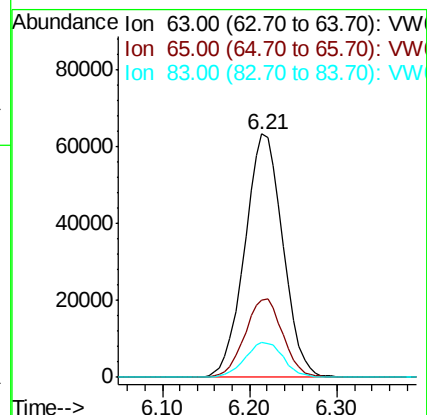
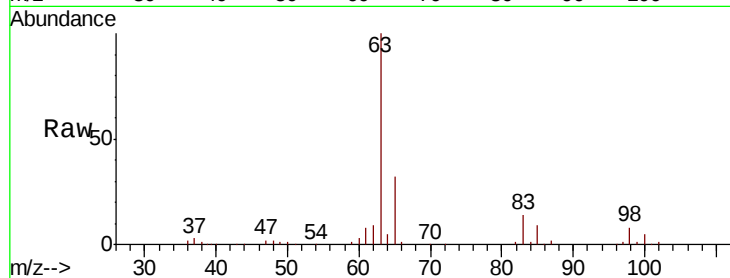
Tot Ion: 63 Resp: 191265

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.7

83 14.4 9.9 18.5



#21

2-Butanone

Concen: 48.587 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW015843.D

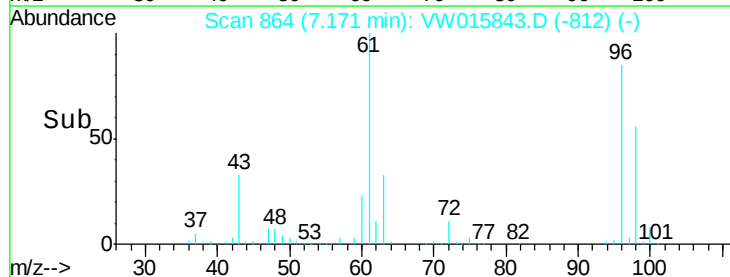
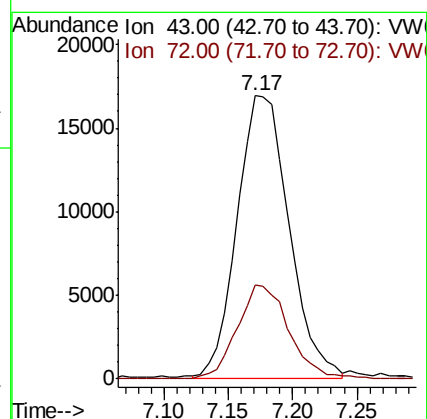
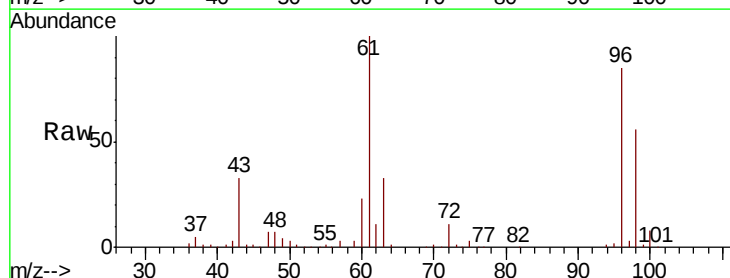
Acq: 13 Jul 2020 13:24

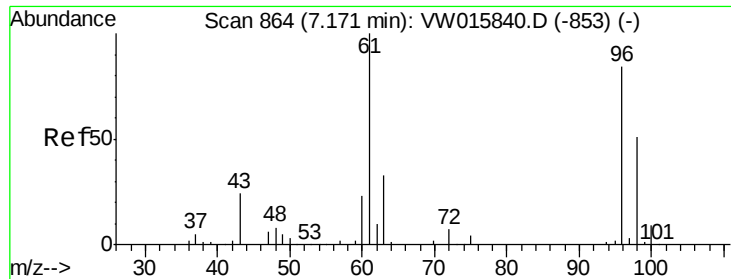
Tgt Ion: 43 Resp: 47683

Ion Ratio Lower Upper

43 100

72 32.8 15.6 46.7



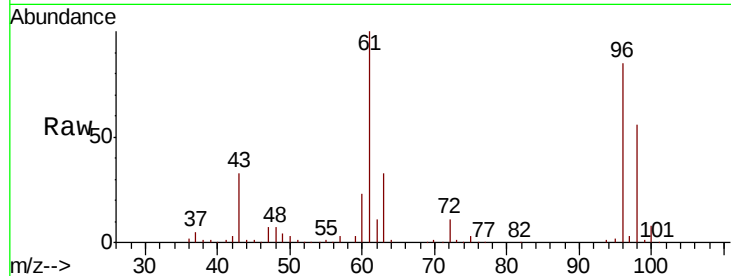


#22

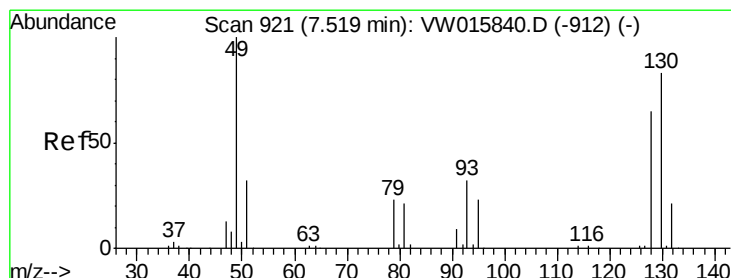
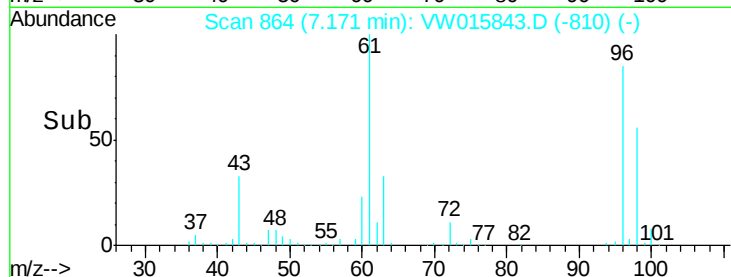
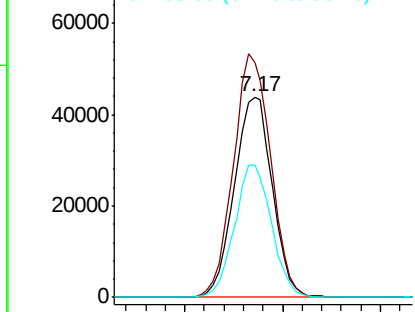
cis-1,2-Dichloroethene
 Concen: 24.689 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

Tot Ion: 96 Resp: 118471
 Ion Ratio Lower Upper
 96 100
 61 117.2 83.7 155.5
 98 66.1 43.0 80.0



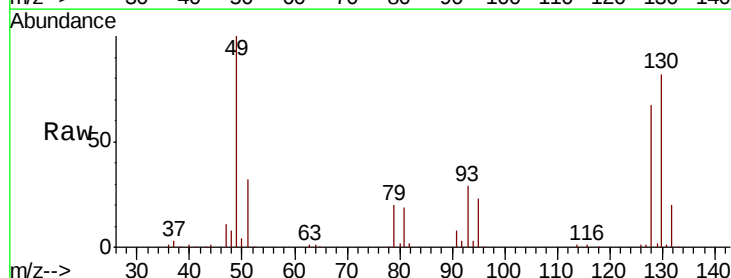
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



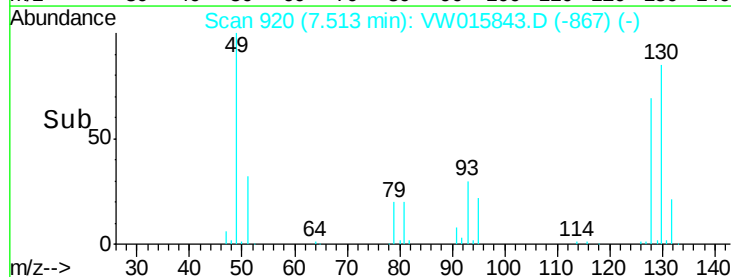
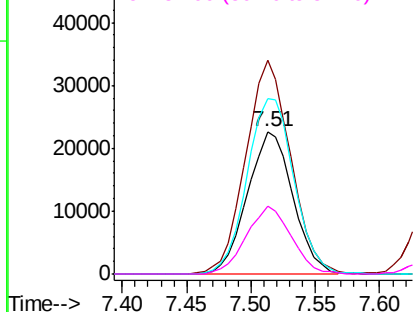
#23

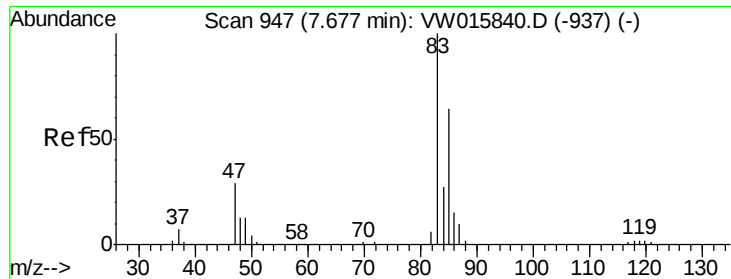
Bromochloromethane
 Concen: 25.899 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

Tgt Ion: 128 Resp: 55543
 Ion Ratio Lower Upper
 128 100
 49 150.3 108.8 202.2
 130 123.0 89.8 166.8
 51 47.7 39.5 59.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

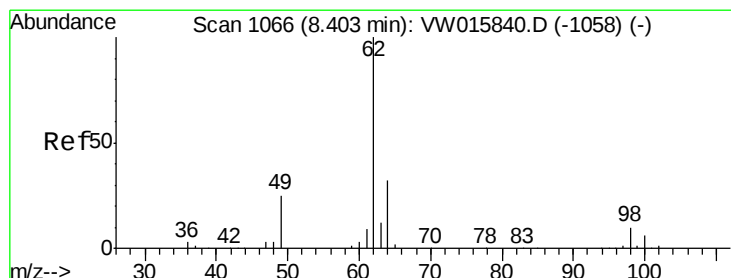
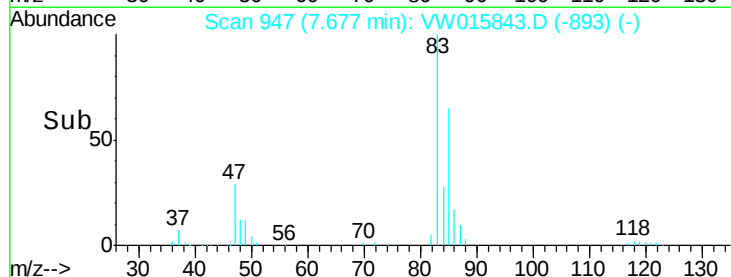
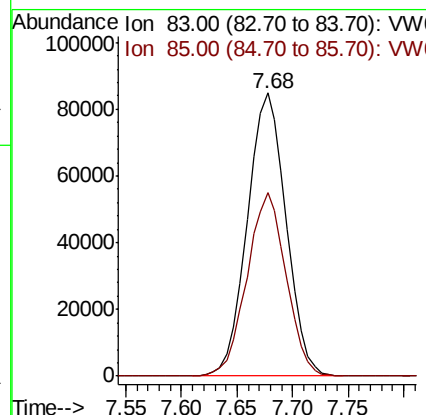
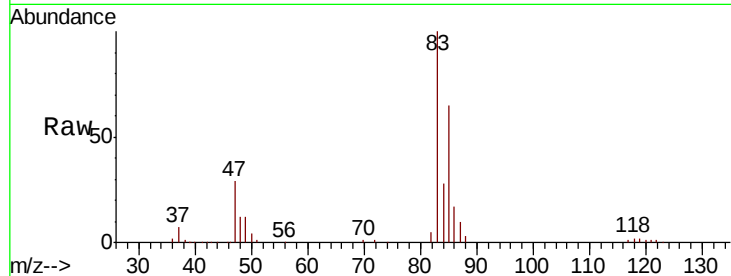




#25
Chloroform
Concen: 23.808 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015843.D
Acq: 13 Jul 2020 13:24

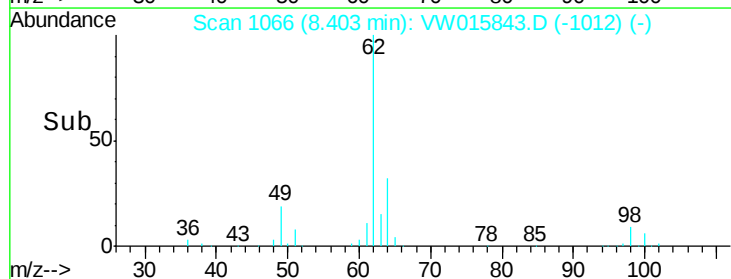
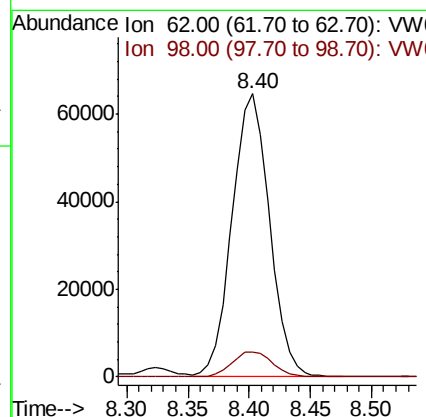
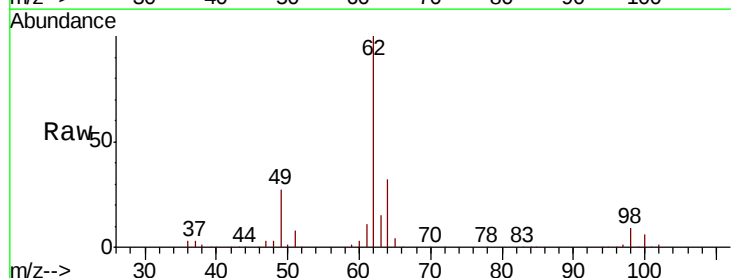
Instrument :
MSVOA_W
ClientSampleId :
VICV04

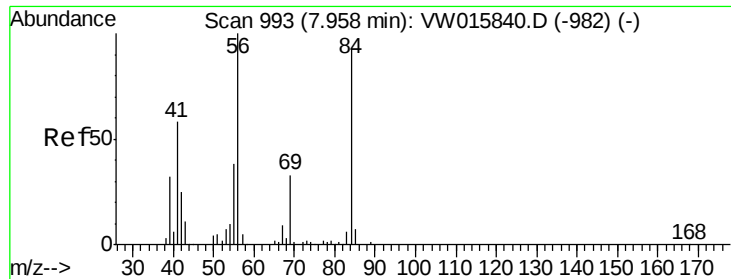
Tot Ion: 83 Resp: 205420
Ion Ratio Lower Upper
83 100
85 65.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.326 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015843.D
Acq: 13 Jul 2020 13:24

Tgt Ion: 62 Resp: 137109
Ion Ratio Lower Upper
62 100
98 9.0 7.7 11.5

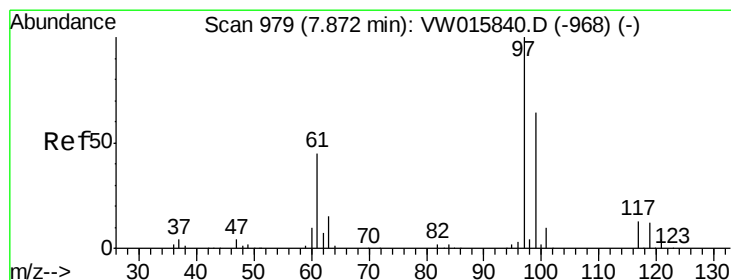
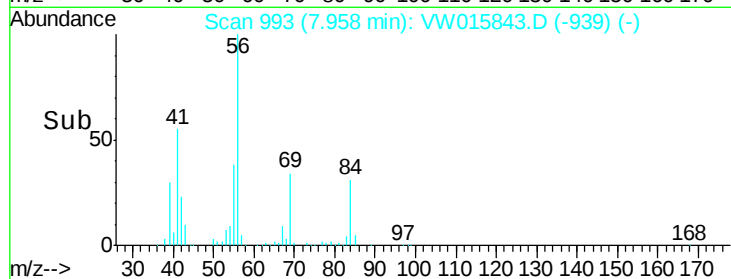
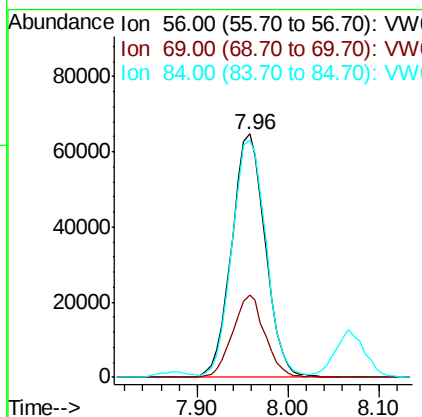
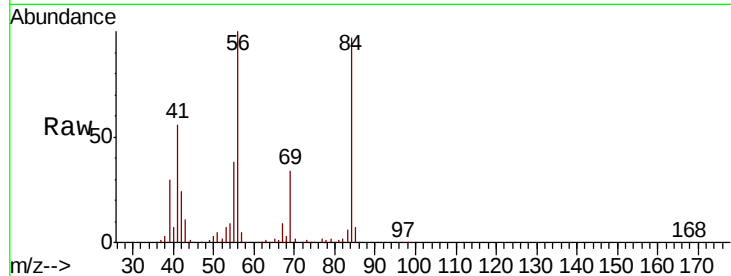




#30
Cyclohexane
Concen: 24.290 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015843.D
Acq: 13 Jul 2020 13:24

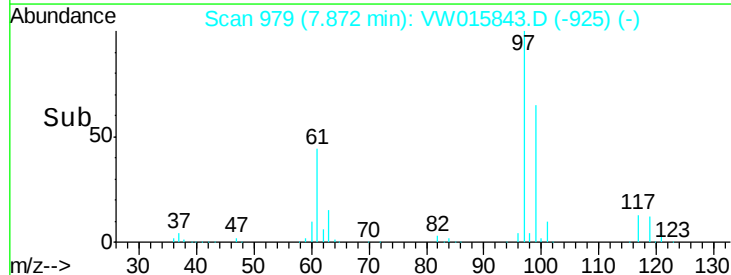
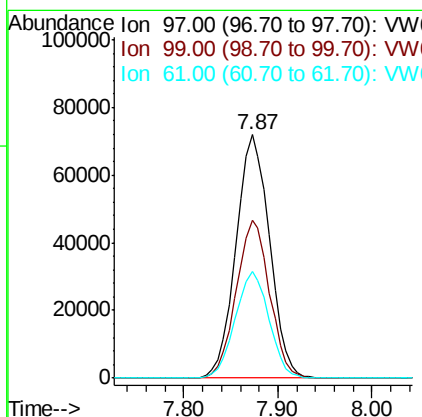
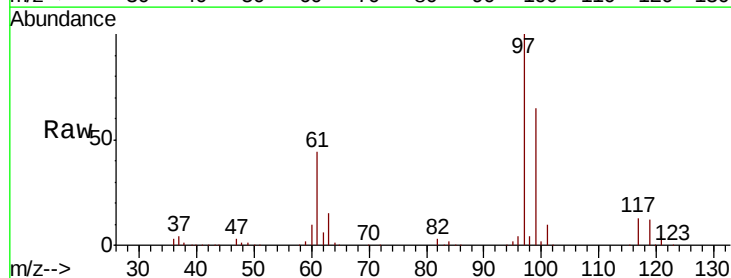
Instrument :
MSVOA_W
ClientSampled :
VICV04

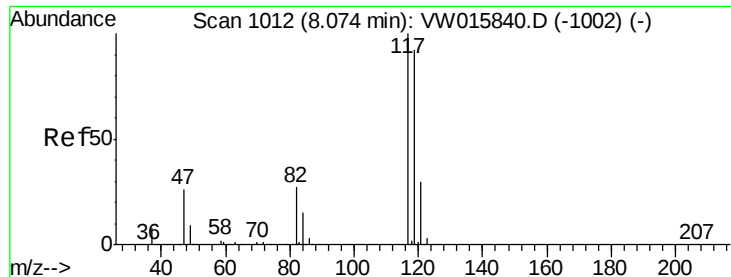
Tot Ion: 56 Resp: 167042
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.8
84 98.7 78.3 117.5



#31
1,1,1-Trichloroethane
Concen: 23.917 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015843.D
Acq: 13 Jul 2020 13:24

Tgt Ion: 97 Resp: 178119
Ion Ratio Lower Upper
97 100
99 64.5 50.9 76.3
61 44.1 36.2 54.2





#32

Carbon tetrachloride

Concen: 24.544 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

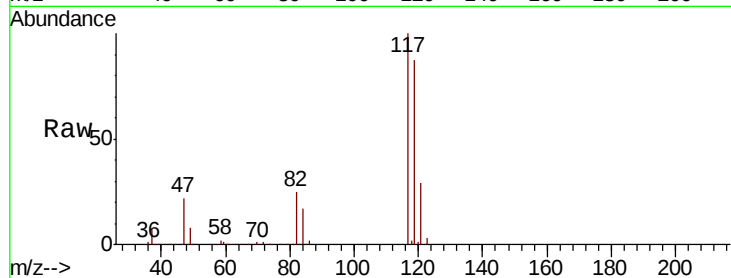
VICV04

Tot Ion:117 Resp: 171049

Ion Ratio Lower Upper

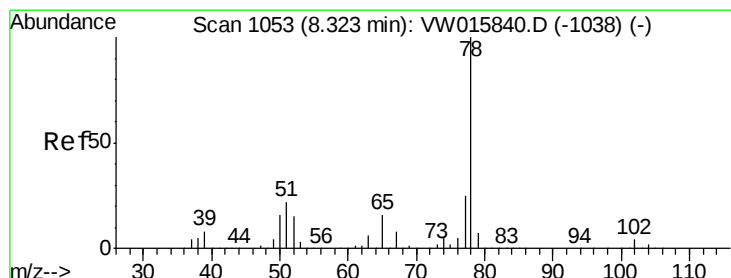
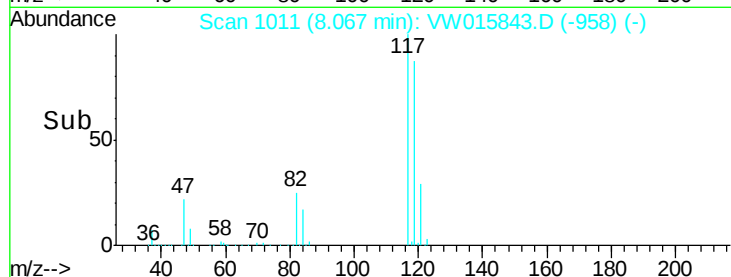
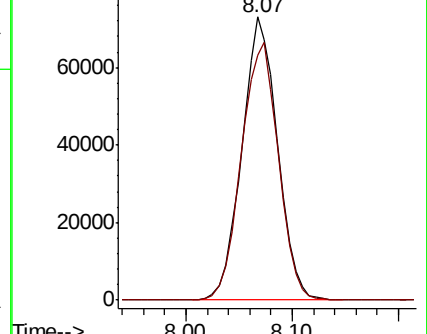
117 100

119 94.8 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.436 ug/L

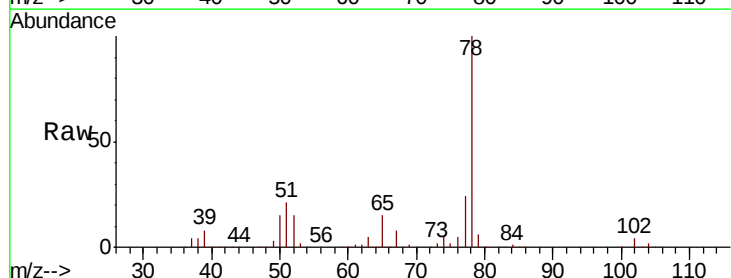
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

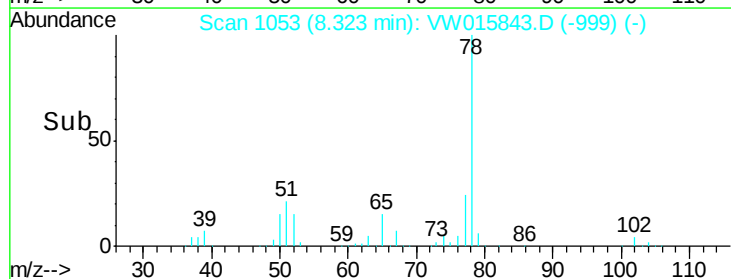
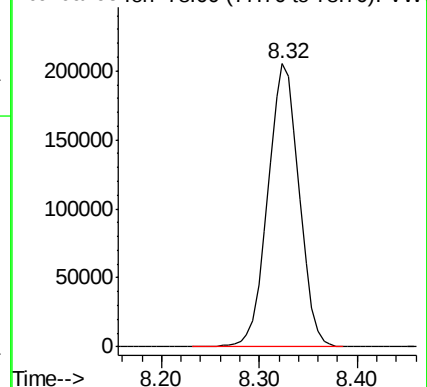
Lab File: VW015843.D

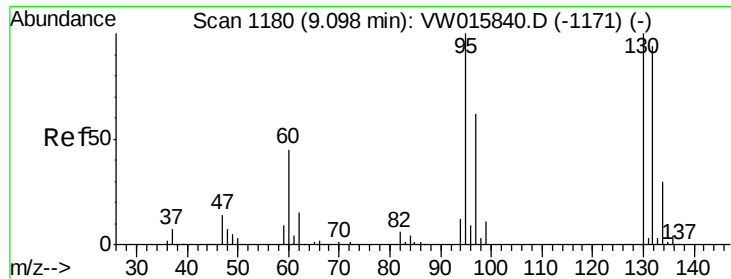
Acq: 13 Jul 2020 13:24

Tgt Ion: 78 Resp: 458162



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.124 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampled :

VICV04

Tot Ion: 95 Resp: 122805

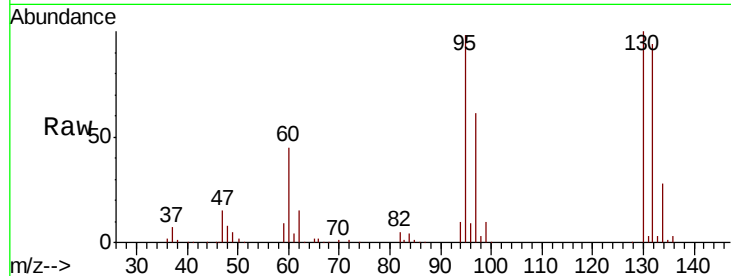
Ion Ratio Lower Upper

95 100

97 63.2 44.6 82.8

132 98.8 67.0 124.4

130 104.2 70.1 130.1

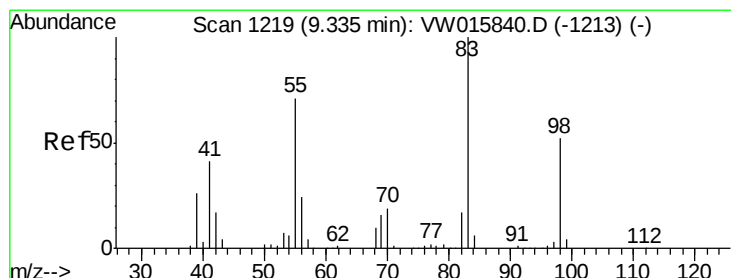
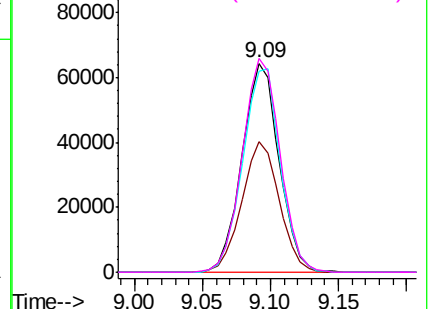
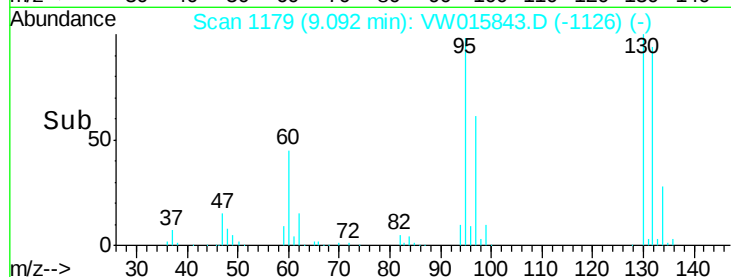


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 23.729 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

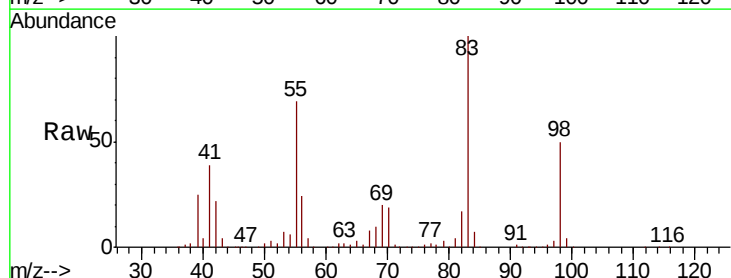
Tgt Ion: 83 Resp: 206787

Ion Ratio Lower Upper

83 100

55 70.2 55.5 83.3

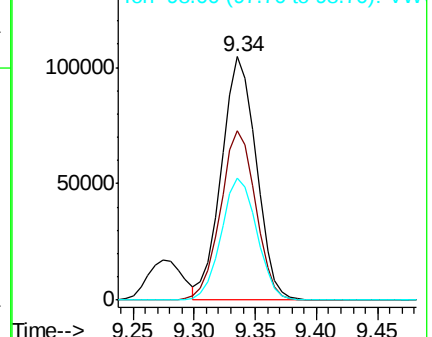
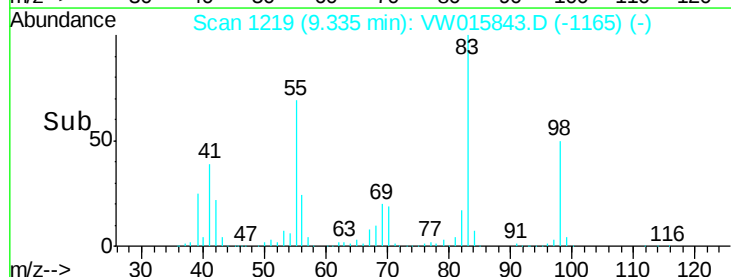
98 51.5 40.2 60.4

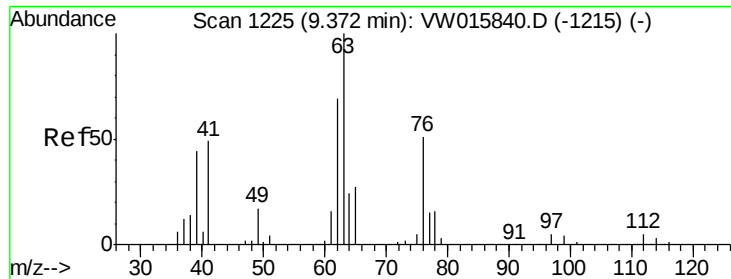


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

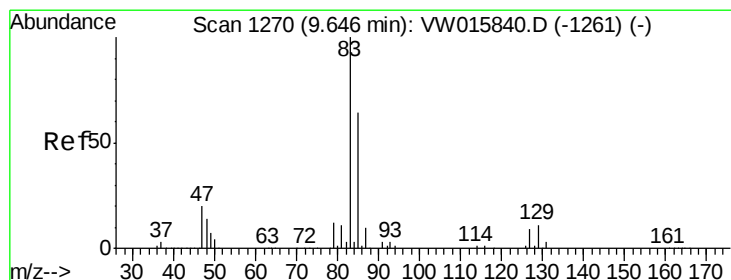
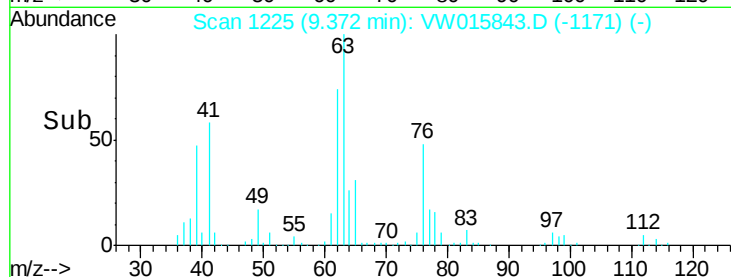
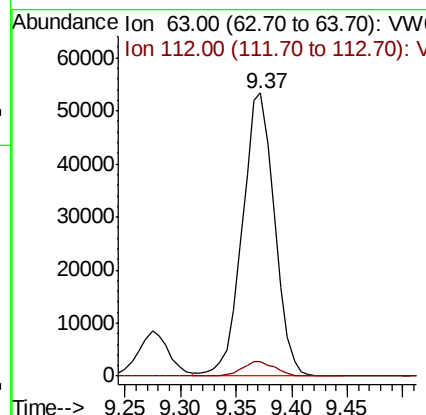
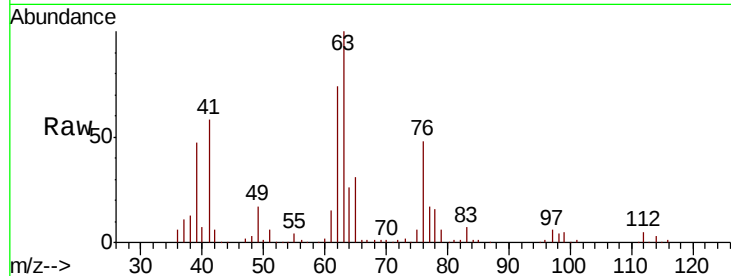




#40
 1,2-Dichloropropane
 Concen: 23.997 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

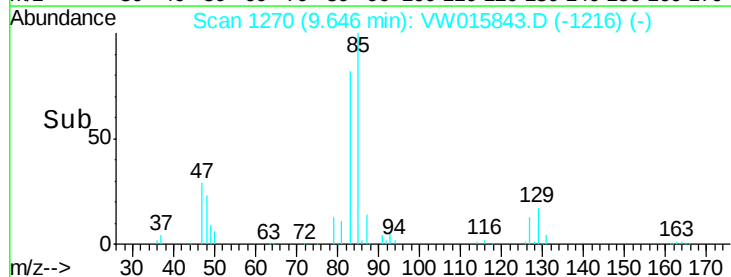
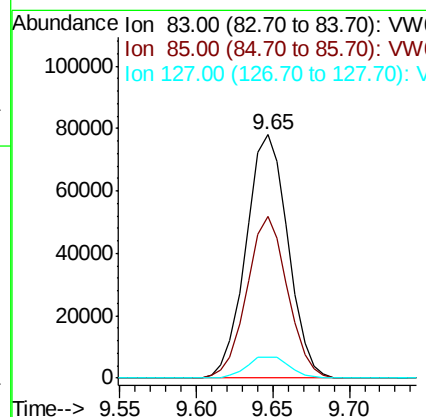
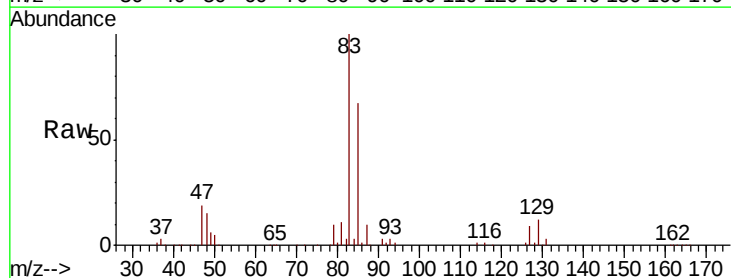
Instrument :
 MSVOA_W
 ClientSampled :
 VICV04

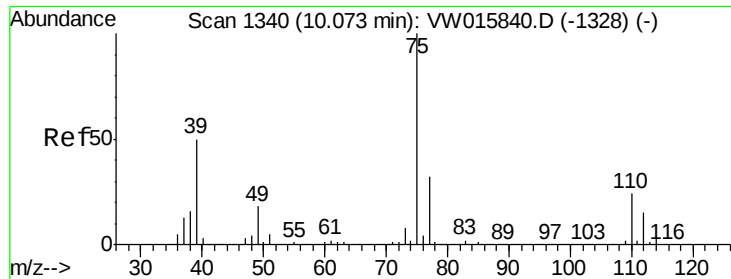
Tot Ion: 63 Resp: 107001
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.9 5.9



#41
 Bromodichloromethane
 Concen: 24.478 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

Tgt Ion: 83 Resp: 148807
 Ion Ratio Lower Upper
 83 100
 85 66.6 44.6 82.8
 127 8.5 6.8 10.2

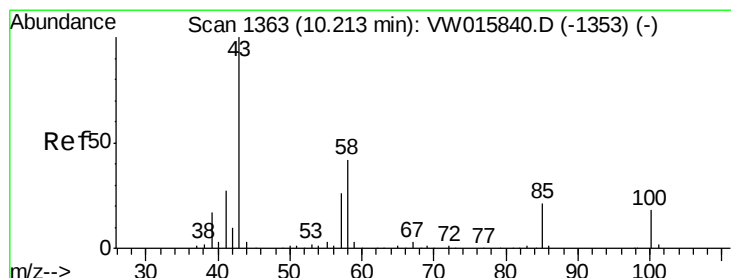
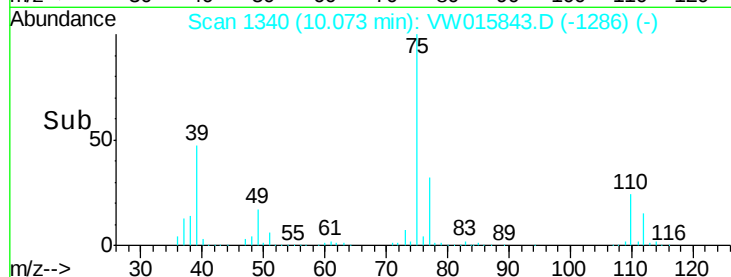
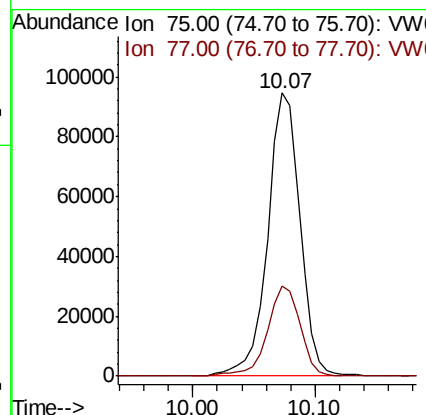
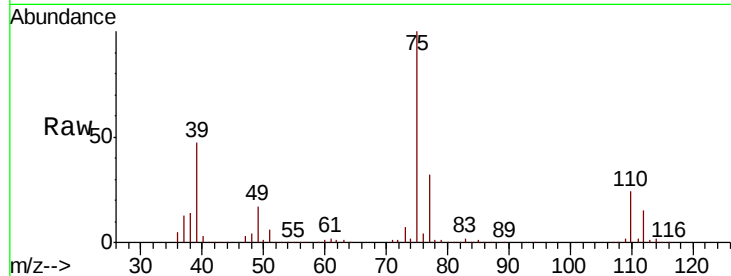




#42
 cis-1,3-Dichloropropene
 Concen: 25.954 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

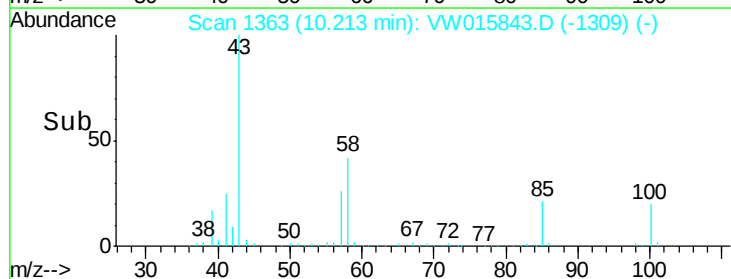
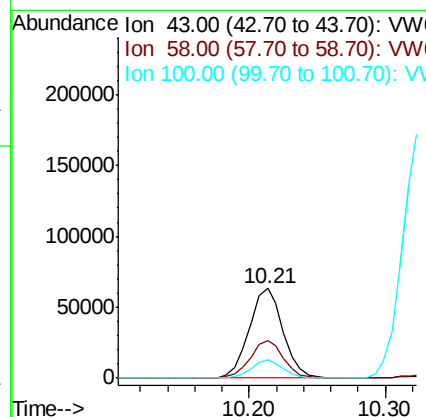
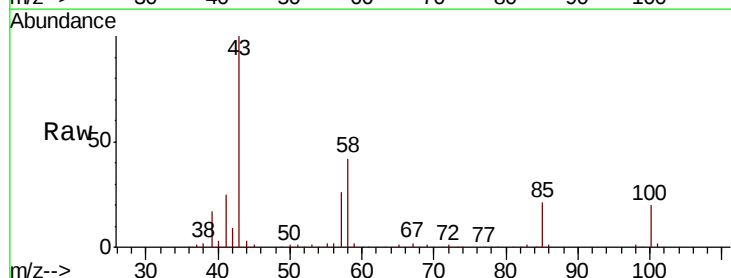
Instrument :
 MSVOA_W
 ClientSampled :
 VICV04

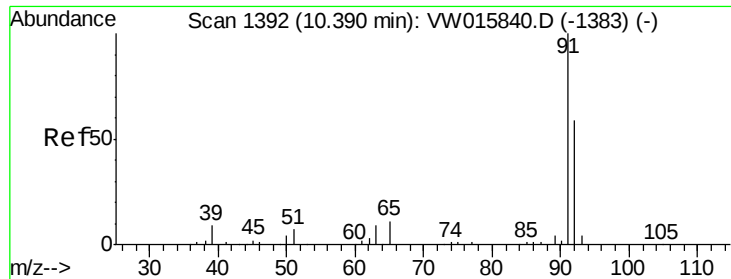
Tot Ion: 75 Resp: 173775
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 52.606 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

Tgt Ion: 43 Resp: 110292
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.0 49.4
 100 19.2 15.0 22.6





#44

Toluene

Concen: 24.693 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

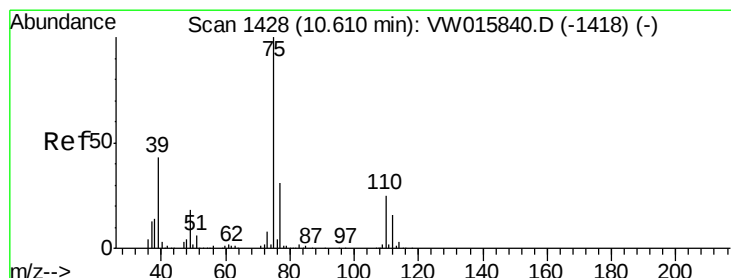
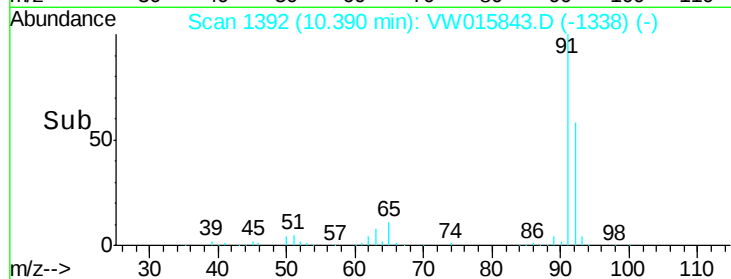
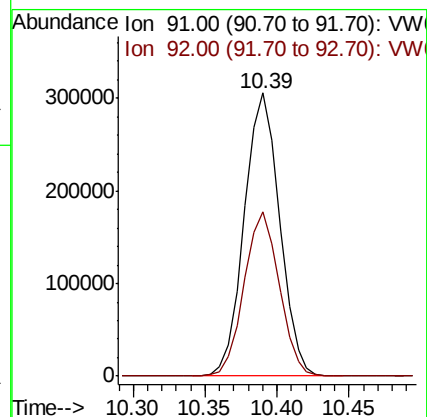
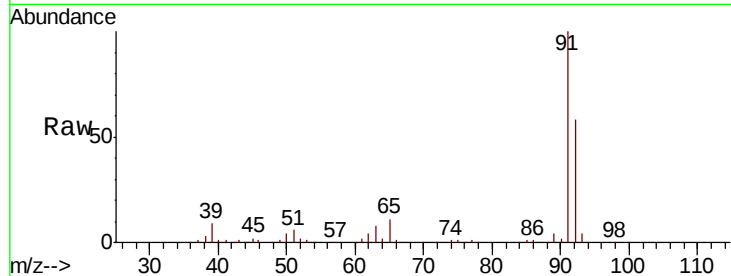
VICV04

Tot Ion: 91 Resp: 521142

Ion Ratio Lower Upper

91 100

92 57.9 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 25.686 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015843.D

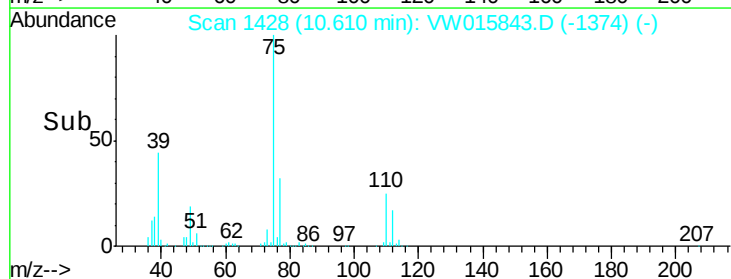
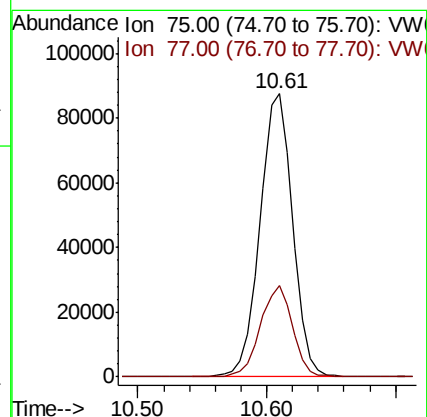
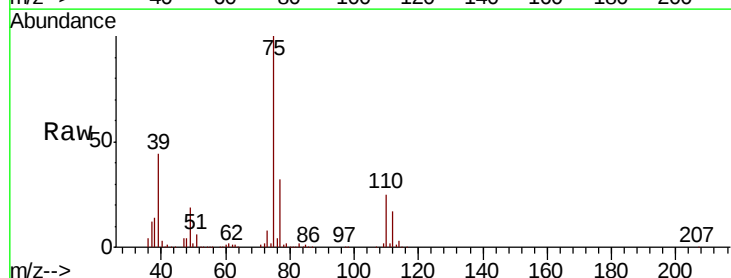
Acq: 13 Jul 2020 13:24

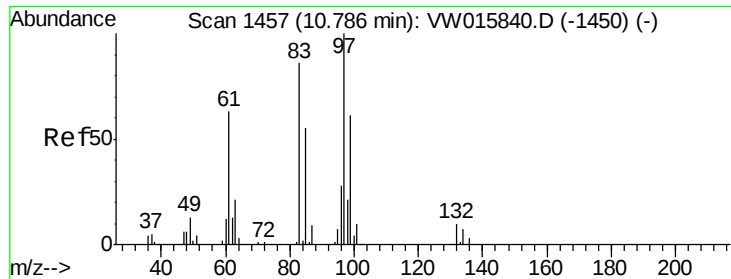
Tgt Ion: 75 Resp: 152980

Ion Ratio Lower Upper

75 100

77 32.5 22.0 41.0

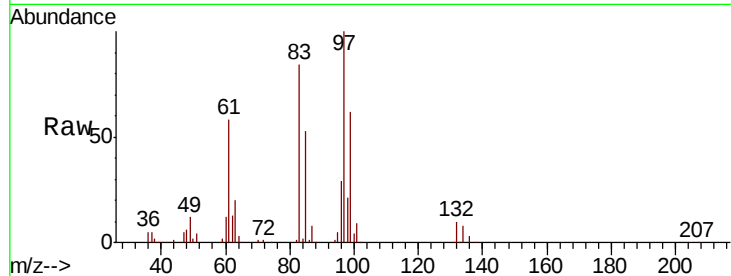




#46
 1,1,2-Trichloroethane
 Concen: 25.242 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

Tot Ion:	97	Resp:	87148
Ion	Ratio	Lower	Upper
97	100		
83	83.5	60.3	112.1
85	52.5	38.6	71.6
99	62.4	42.6	79.2



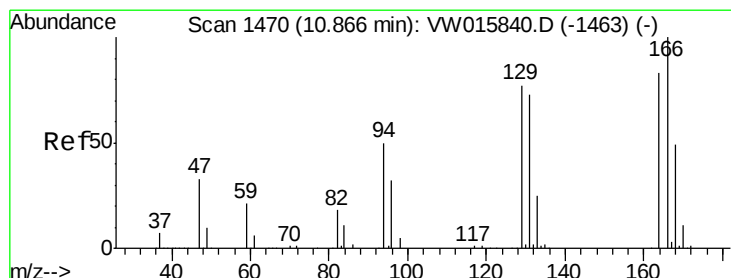
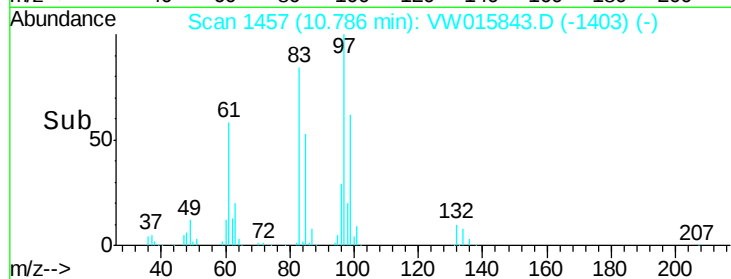
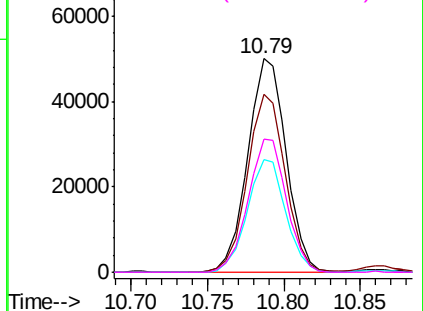
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

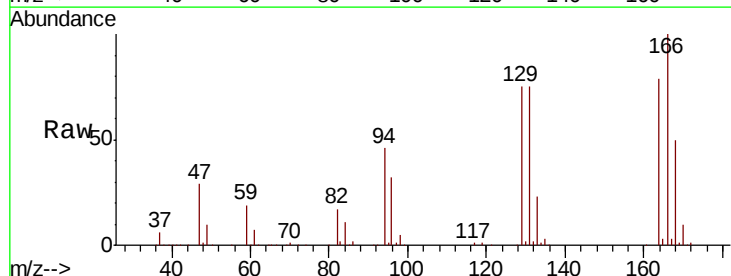
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.471 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

Tgt Ion:	164	Resp:	101387
Ion	Ratio	Lower	Upper
164	100		
129	95.0	65.1	120.9
131	95.5	62.0	115.2
166	127.4	84.6	157.0



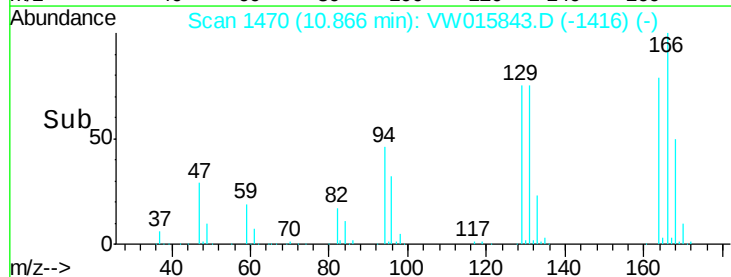
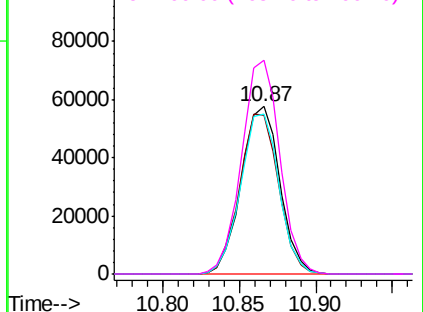
Abundance

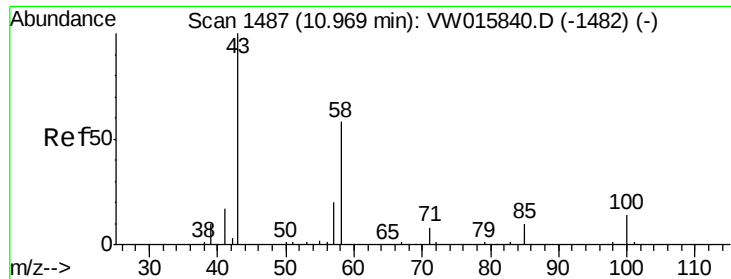
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

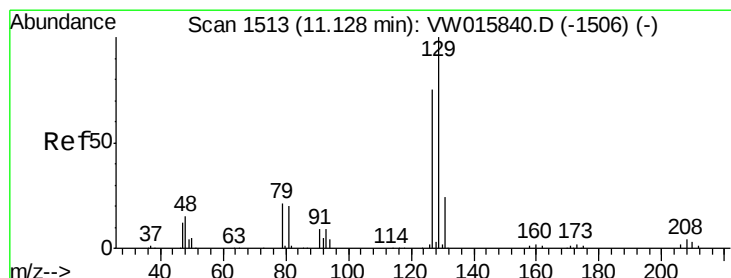
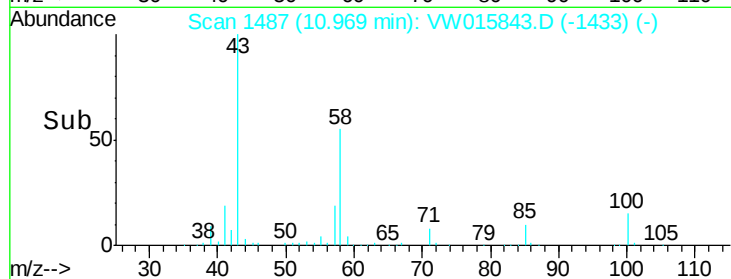
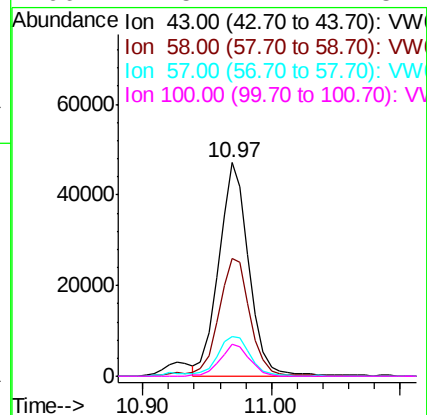
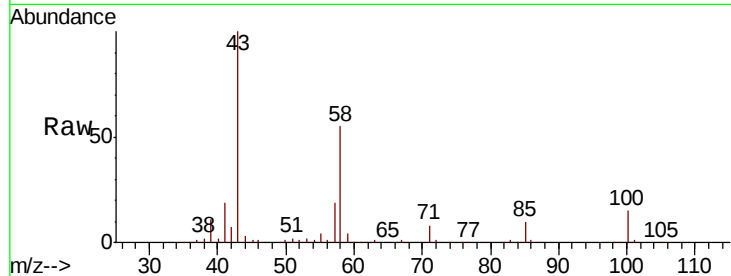




#49
2-Hexanone
Concen: 51.871 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015843.D
Acq: 13 Jul 2020 13:24

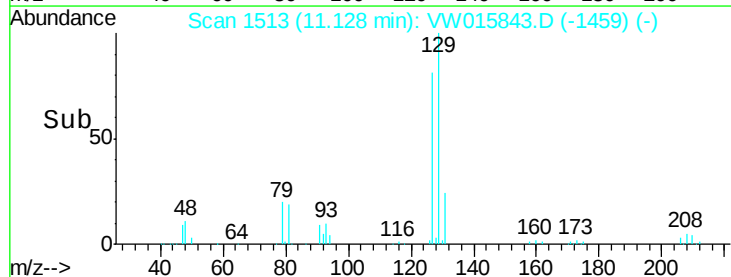
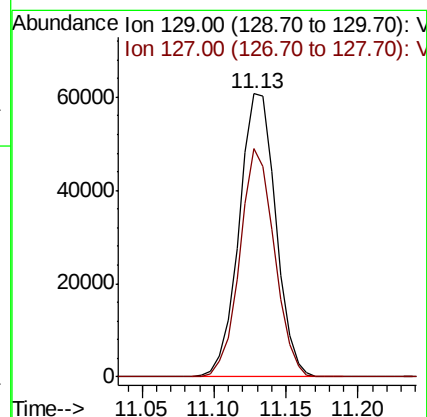
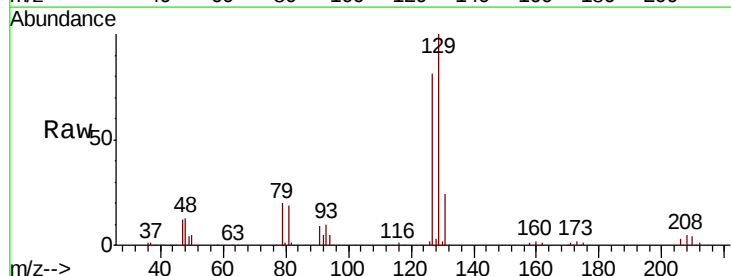
Instrument :
MSVOA_W
ClientSampled :
VICV04

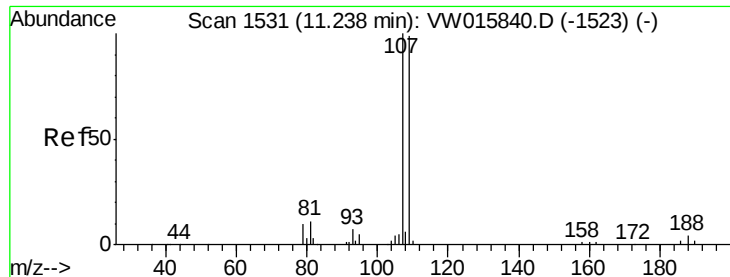
Tot Ion: 43 Resp: 77080
Ion Ratio Lower Upper
43 100
58 57.6 45.8 68.8
57 20.6 16.9 25.3
100 14.5 12.2 18.4



#50
Dibromochloromethane
Concen: 25.964 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015843.D
Acq: 13 Jul 2020 13:24

Tgt Ion: 129 Resp: 107492
Ion Ratio Lower Upper
129 100
127 80.7 52.6 97.6

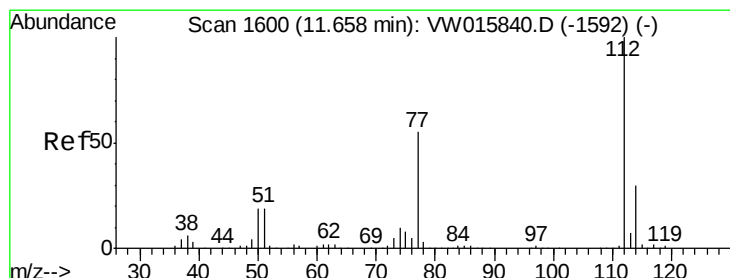
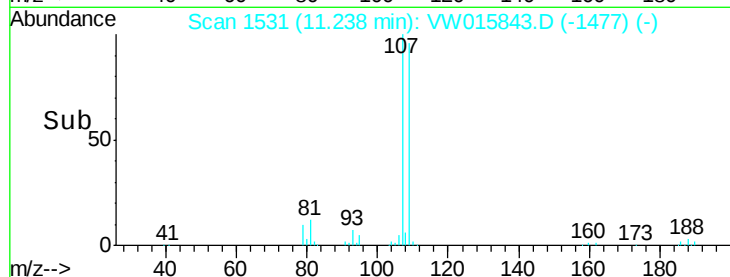
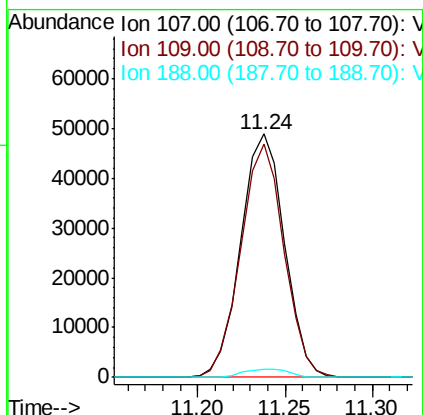
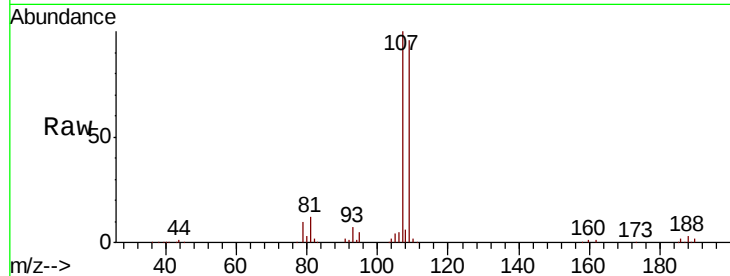




#51
1,2-Dibromoethane
Concen: 25.938 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015843.D
Acq: 13 Jul 2020 13:24

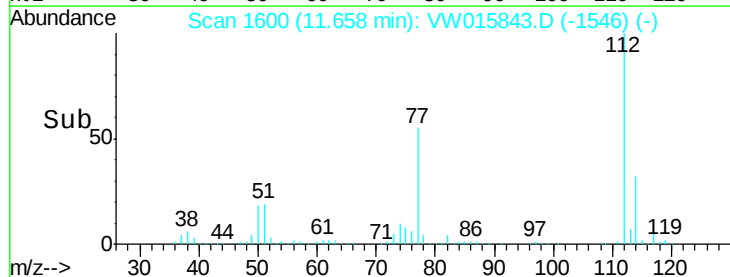
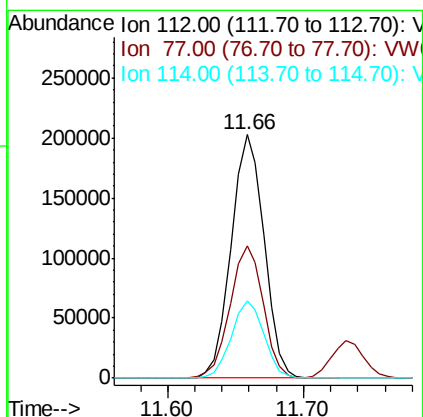
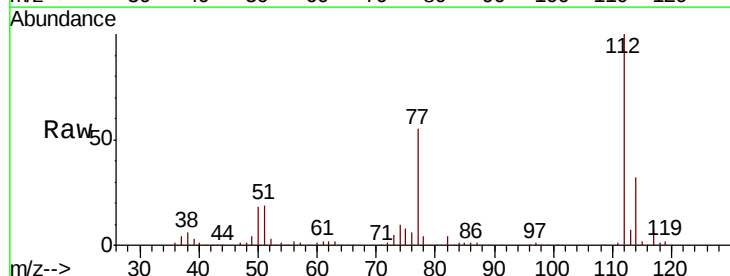
Instrument :
MSVOA_W
ClientSampleId :
VICV04

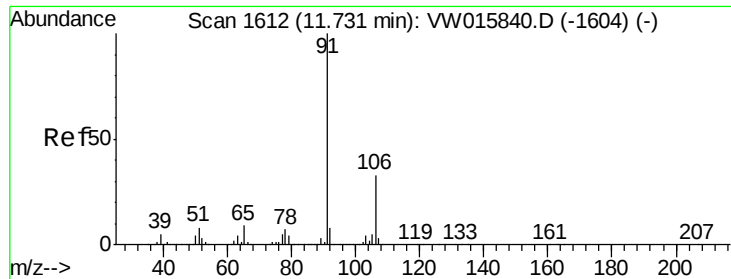
Tot Ion:107 Resp: 85202
Ion Ratio Lower Upper
107 100
109 95.7 69.3 128.7
188 3.4 3.3 4.9



#52
Chlorobenzene
Concen: 24.606 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015843.D
Acq: 13 Jul 2020 13:24

Tgt Ion:112 Resp: 341119
Ion Ratio Lower Upper
112 100
77 54.5 43.9 65.9
114 31.6 20.9 38.9





#53

Ethylbenzene

Concen: 24.482 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

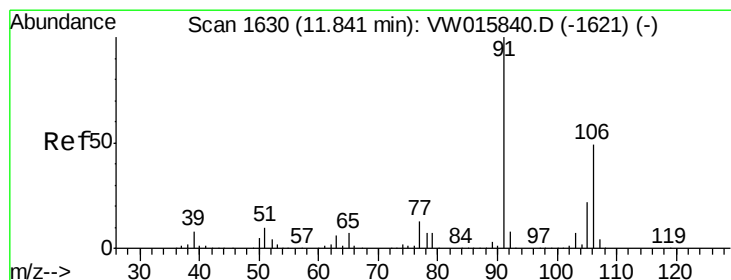
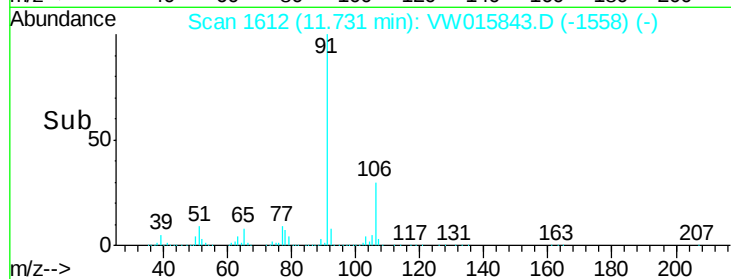
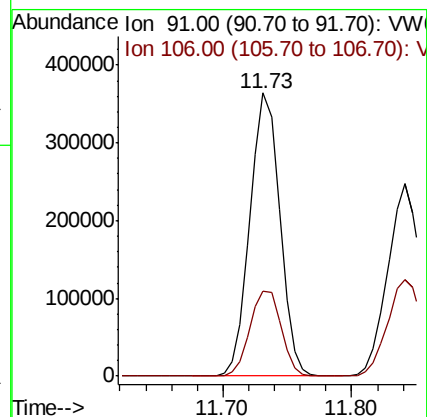
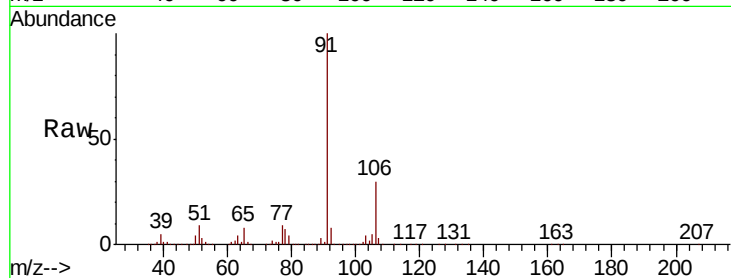
VICV04

Tot Ion: 91 Resp: 585139

Ion Ratio Lower Upper

91 100

106 30.1 22.7 42.3



#54

m,p-Xylene

Concen: 25.360 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015843.D

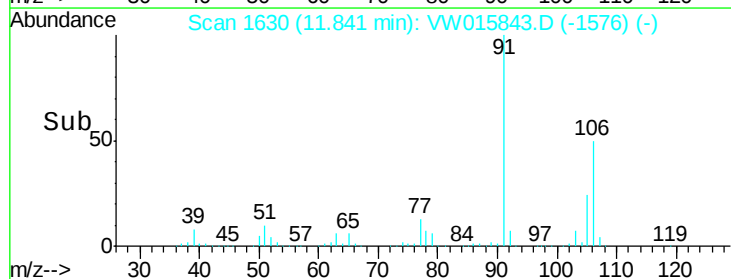
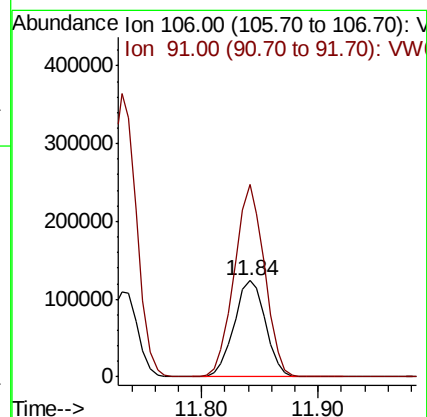
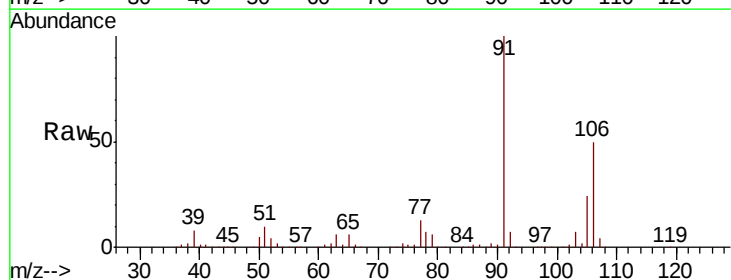
Acq: 13 Jul 2020 13:24

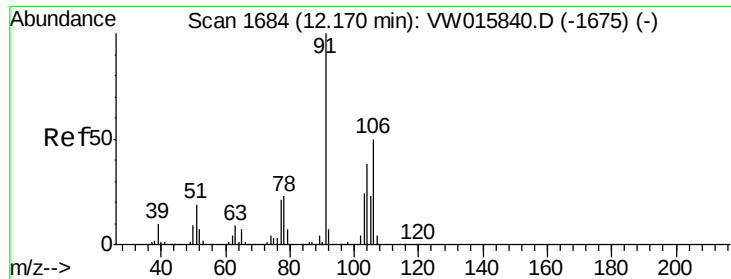
Tgt Ion: 106 Resp: 232589

Ion Ratio Lower Upper

106 100

91 200.0 143.9 267.3





#55

o-xylene

Concen: 25.240 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

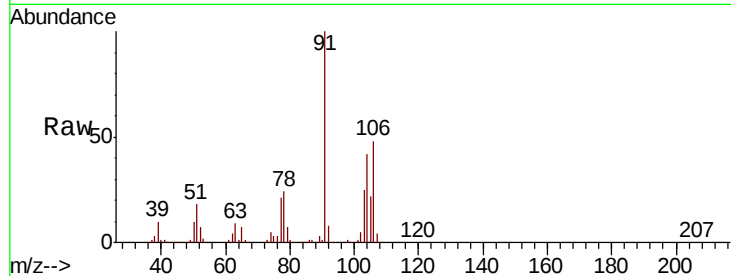
VICV04

Tot Ion:106 Resp: 220023

Ion Ratio Lower Upper

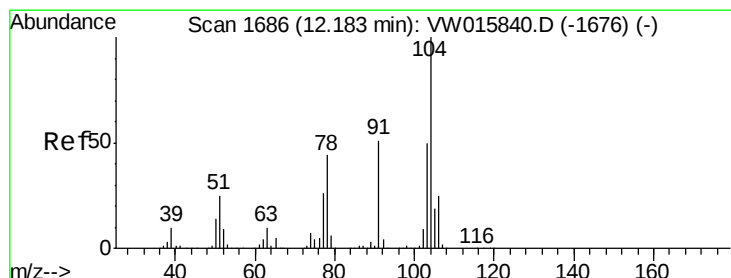
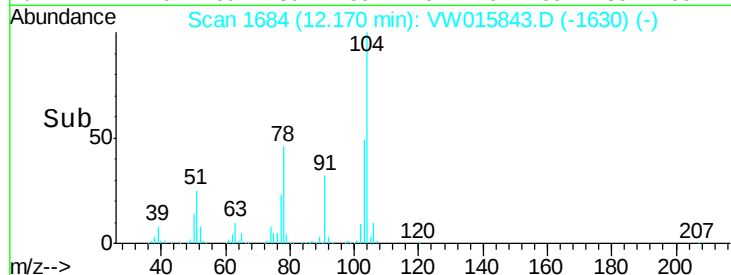
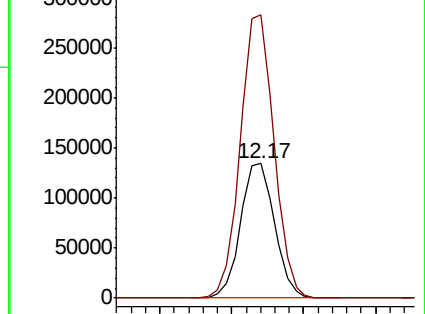
106 100

91 210.2 141.1 262.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.405 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015843.D

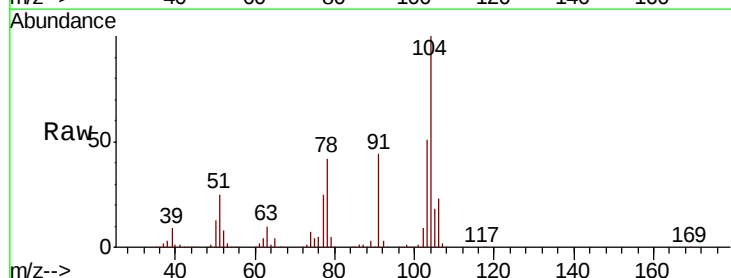
Acq: 13 Jul 2020 13:24

Tgt Ion:104 Resp: 373136

Ion Ratio Lower Upper

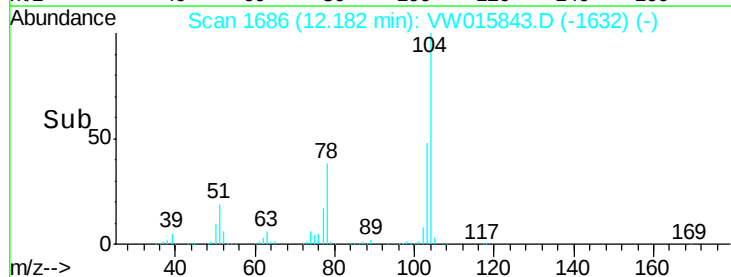
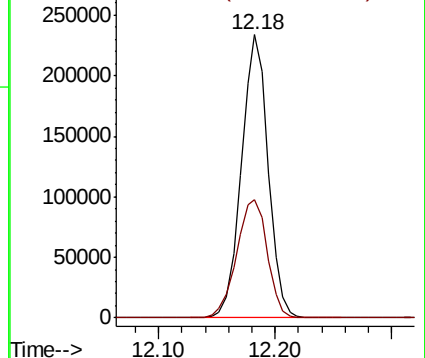
104 100

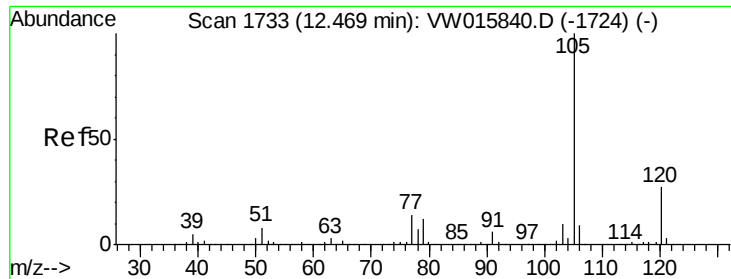
78 41.6 31.0 57.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.832 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampled :

VICV04

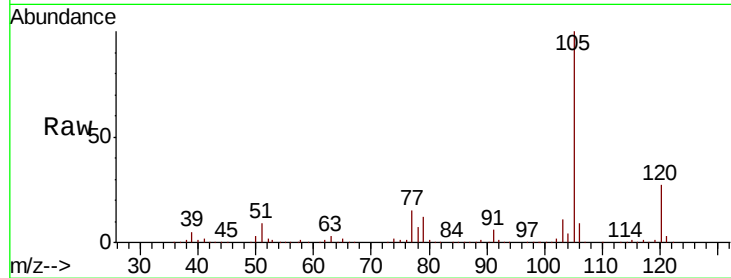
Tot Ion:105 Resp: 593733

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.0

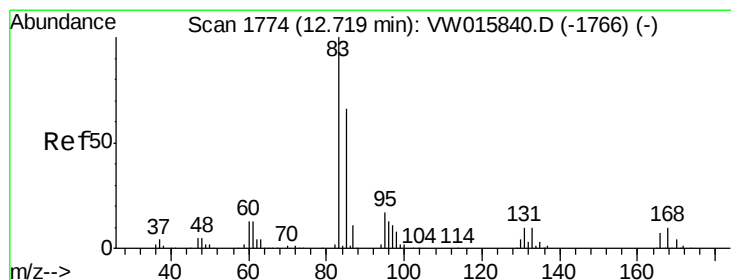
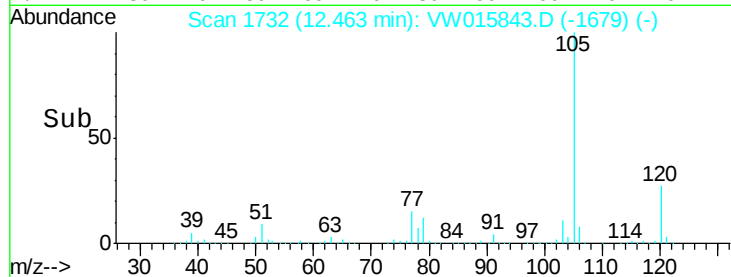
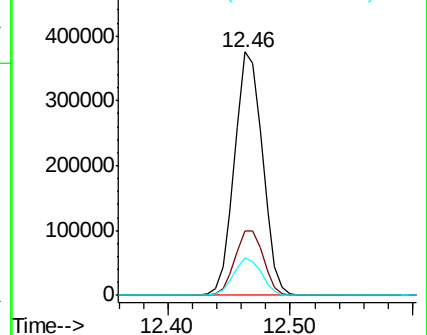
77 15.1 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.794 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

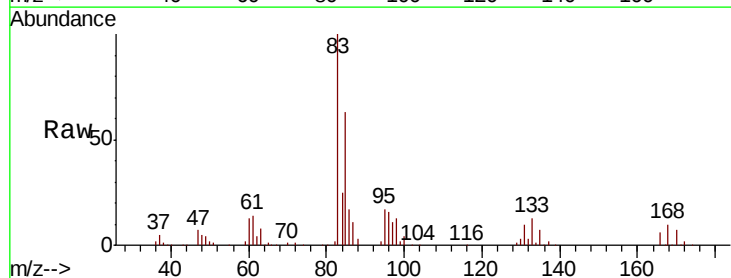
Tgt Ion: 83 Resp: 101495

Ion Ratio Lower Upper

83 100

85 63.0 46.2 85.8

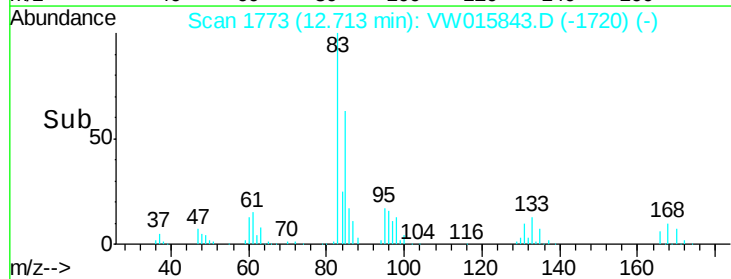
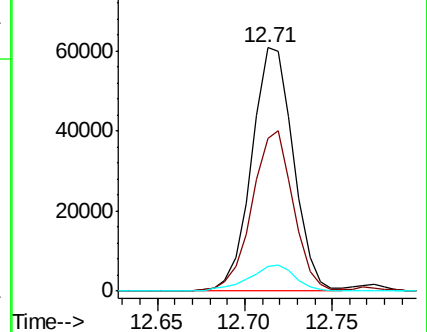
131 10.1 8.1 12.1

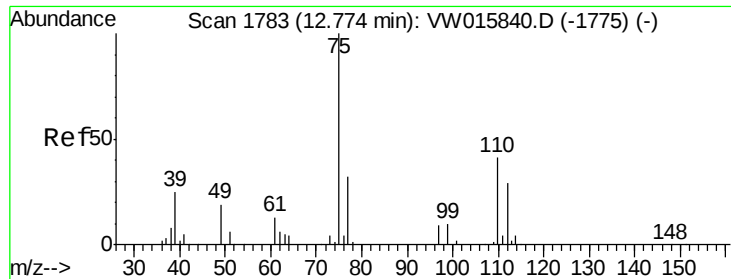


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.407 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

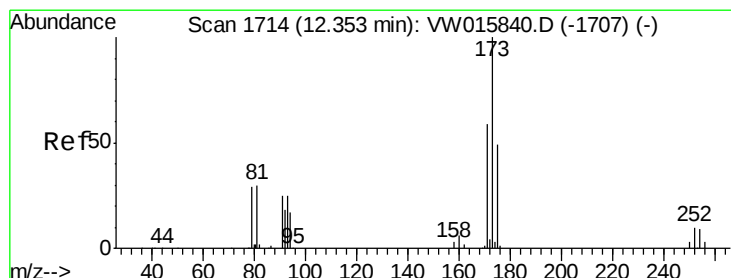
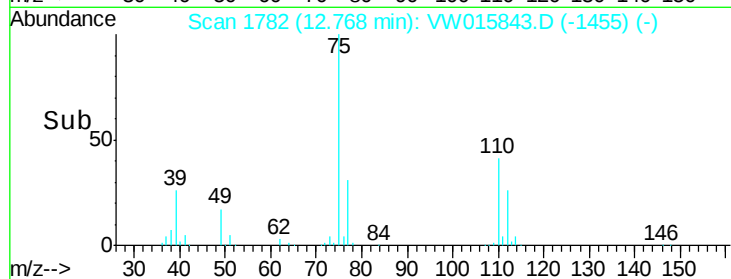
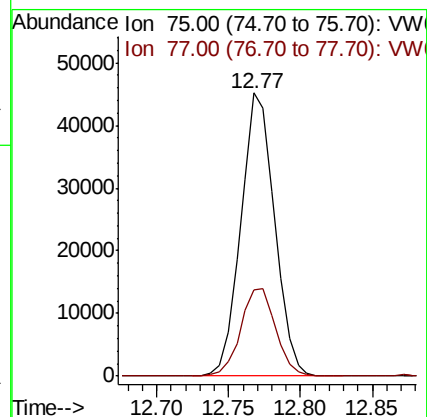
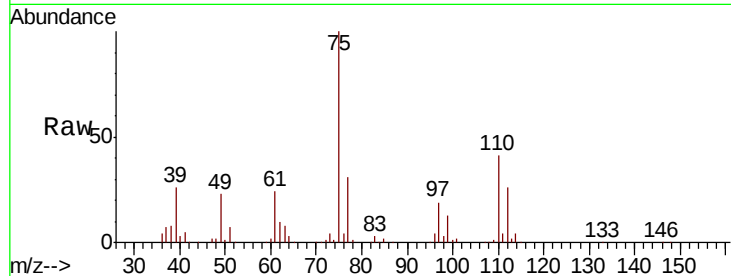
VICV04

Tot Ion: 75 Resp: 73431

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#62

Bromoform

Concen: 25.651 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

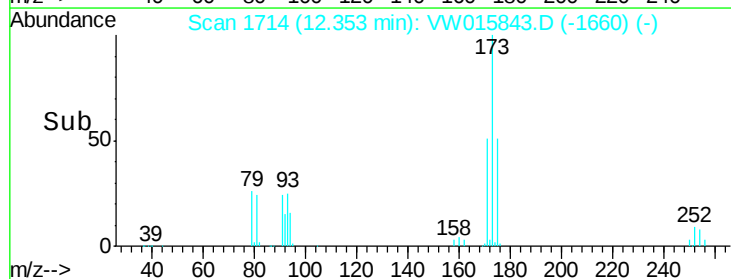
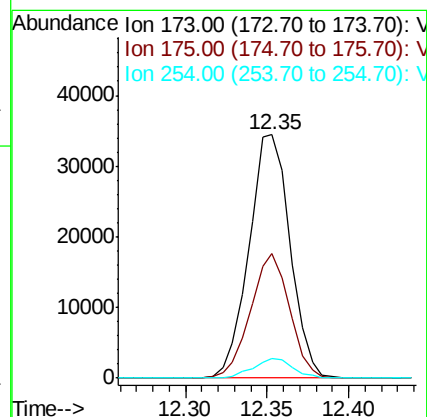
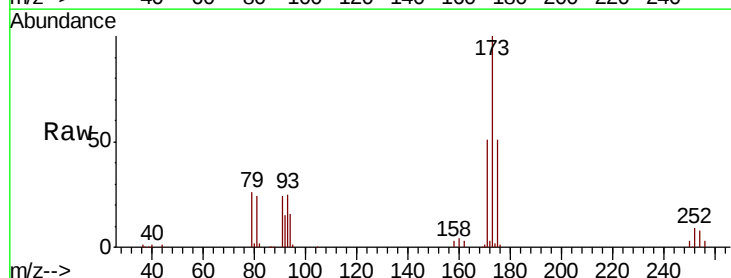
Tgt Ion: 173 Resp: 60206

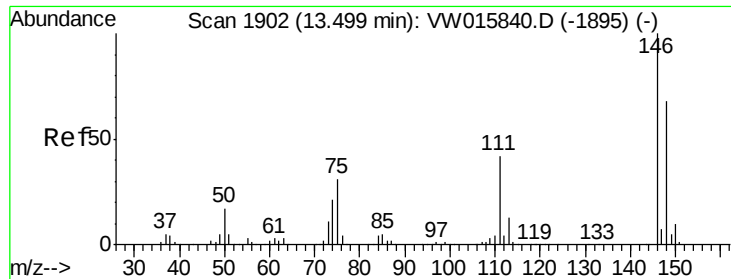
Ion Ratio Lower Upper

173 100

175 48.5 38.2 57.4

254 7.8 6.6 9.8

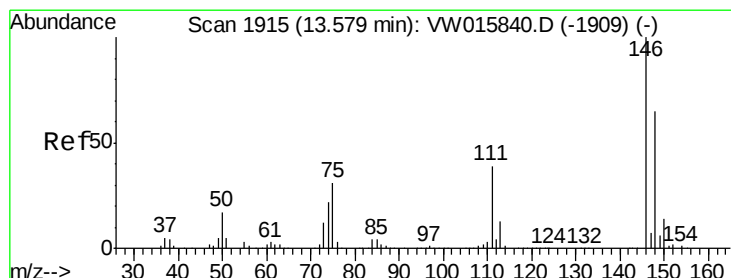
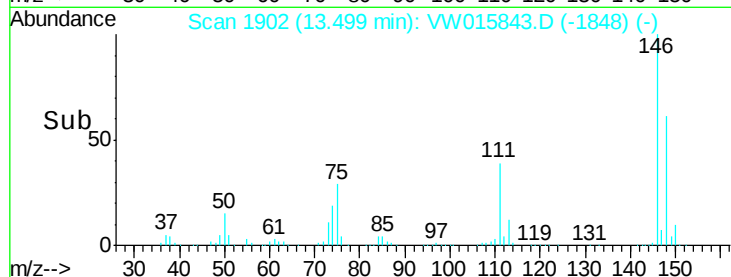
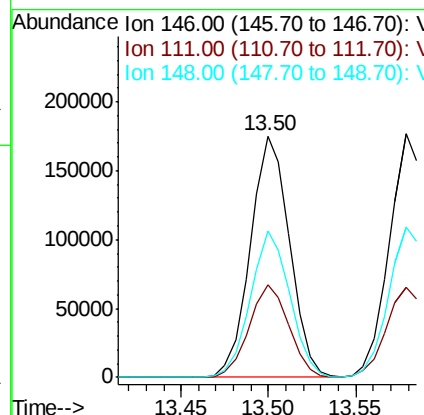
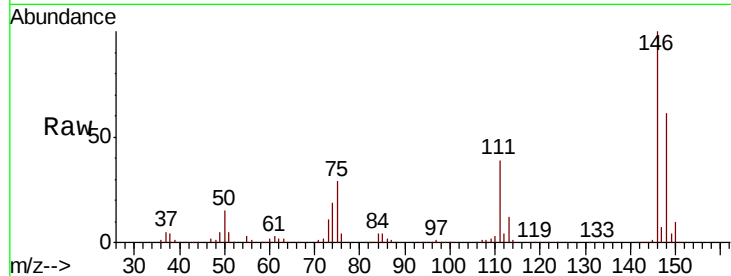




#63
 1,3-Dichlorobenzene
 Concen: 24.874 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

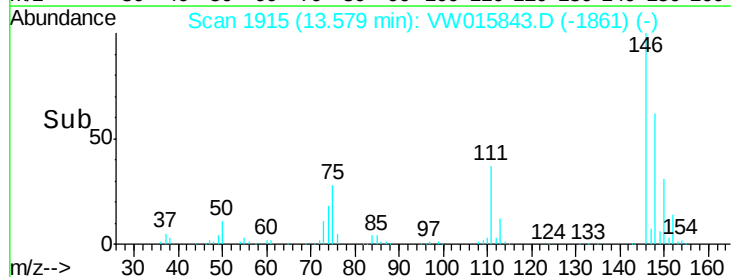
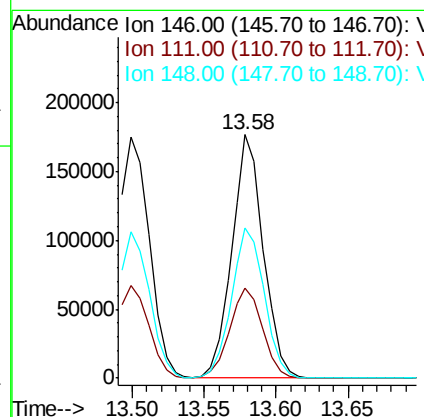
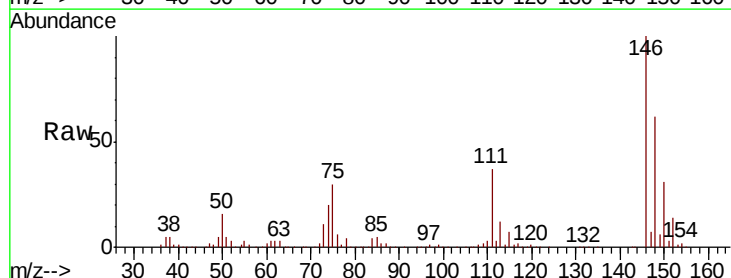
Instrument :
 MSVOA_W
 ClientSampled :
 VICV04

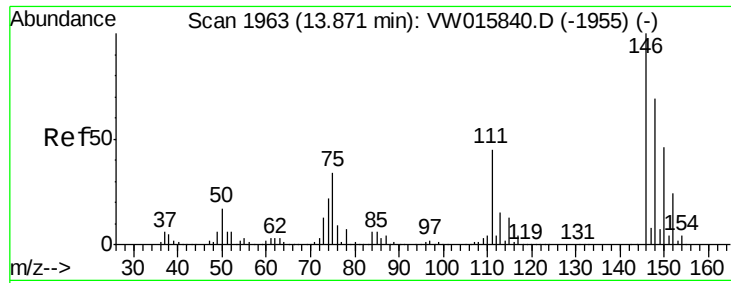
Tot Ion:146 Resp: 272212
 Ion Ratio Lower Upper
 146 100
 111 38.6 29.2 54.2
 148 60.7 47.7 88.7



#64
 1,4-Dichlorobenzene
 Concen: 24.293 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

Tgt Ion:146 Resp: 269313
 Ion Ratio Lower Upper
 146 100
 111 36.8 27.6 51.2
 148 61.9 45.3 84.1





#65

1,2-Dichlorobenzene

Concen: 24.178 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

VICV04

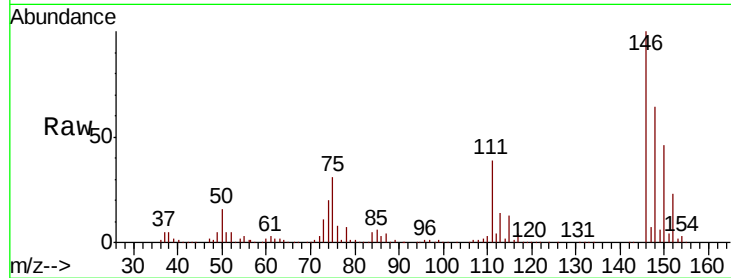
Tot Ion:146 Resp: 239758

Ion Ratio Lower Upper

146 100

111 39.4 36.2 54.4

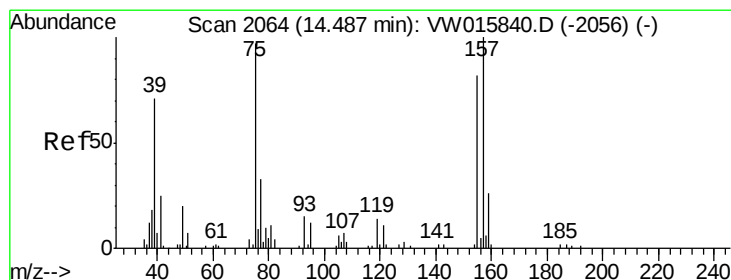
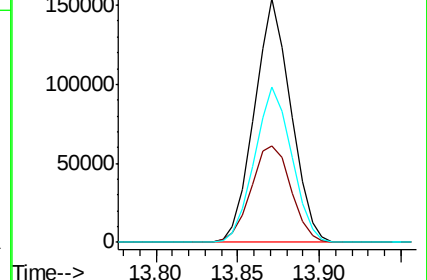
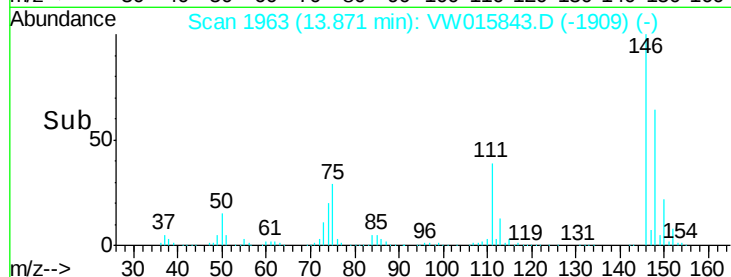
148 63.8 55.1 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.551 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

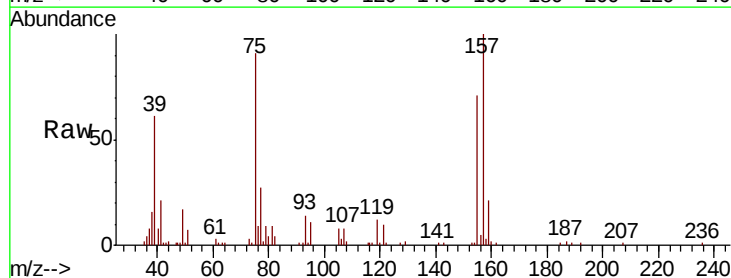
Tgt Ion: 75 Resp: 15664

Ion Ratio Lower Upper

75 100

157 109.7 82.2 123.2

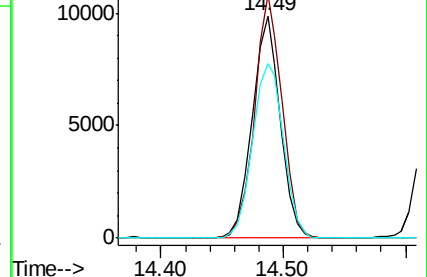
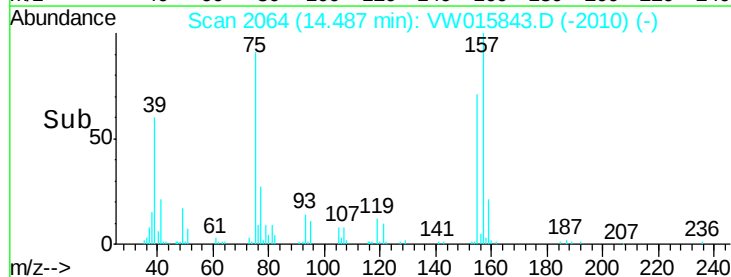
155 78.4 67.7 101.5

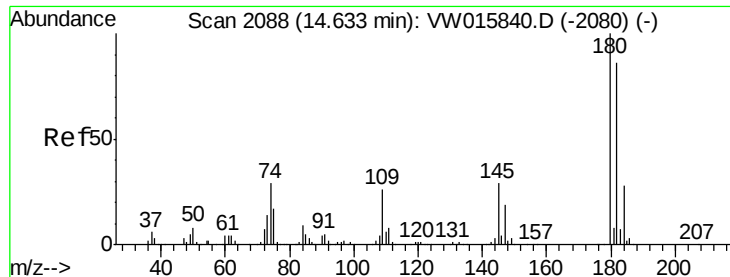


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

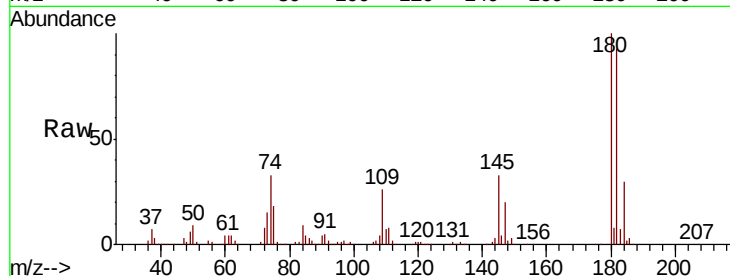




#67
 1,3,5-Trichlorobenzene
 Concen: 24.610 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.3	112.9
184	30.4	22.8	34.2
145	31.7	24.6	37.0



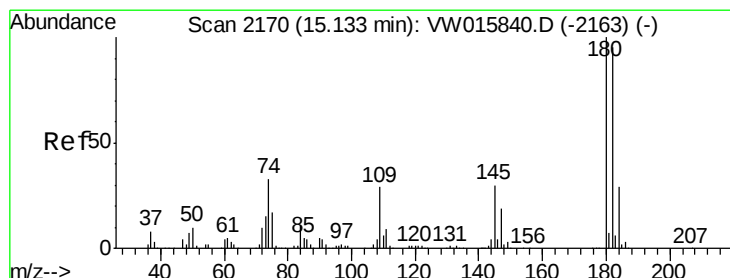
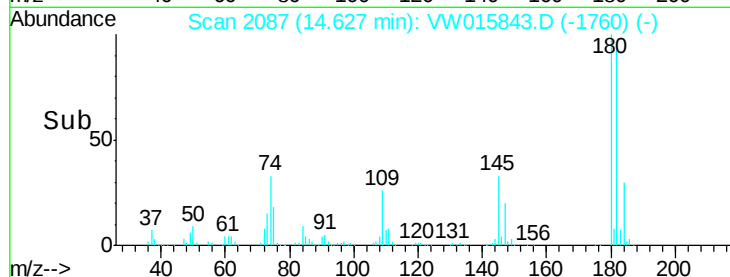
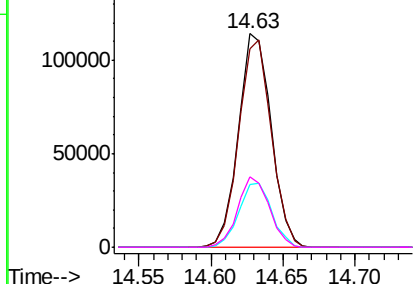
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

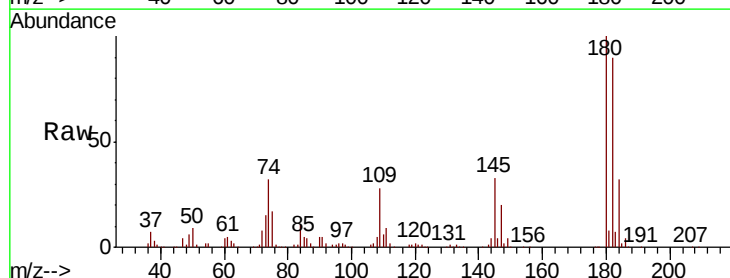
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.794 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015843.D
 Acq: 13 Jul 2020 13:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.2	112.8
145	32.9	25.0	37.4

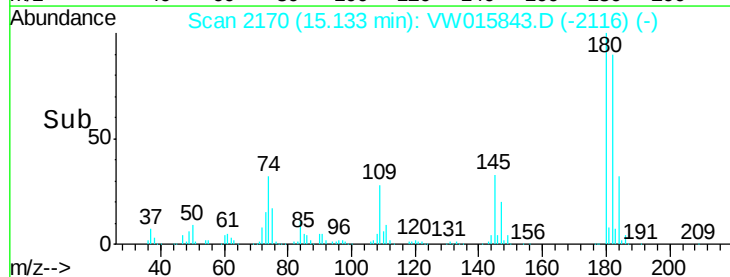
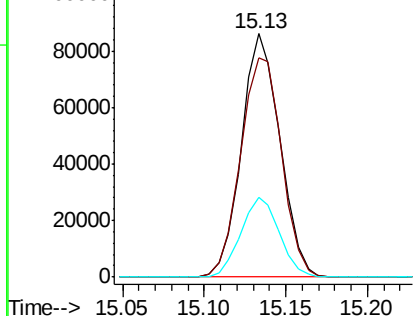


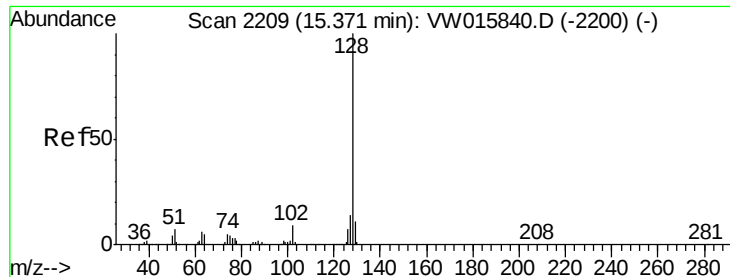
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.706 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

Instrument :

MSVOA_W

ClientSampleId :

VICV04

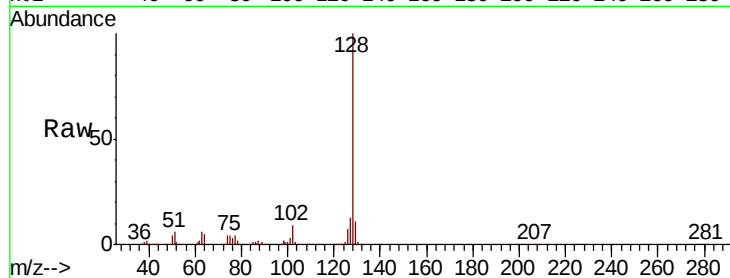
Tot Ion:128 Resp: 281192

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

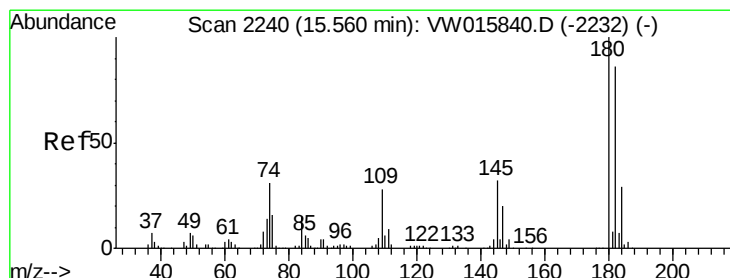
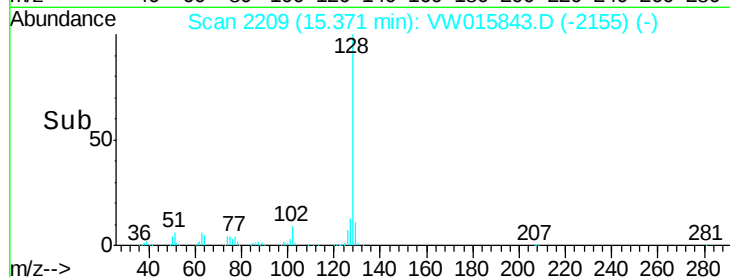
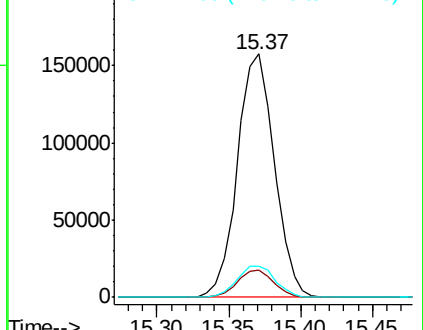
127 13.1 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.148 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015843.D

Acq: 13 Jul 2020 13:24

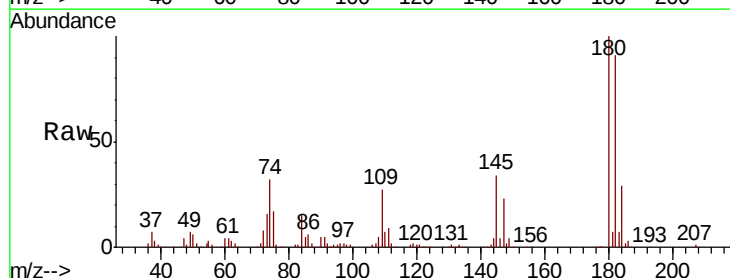
Tgt Ion:180 Resp: 127820

Ion Ratio Lower Upper

180 100

182 94.5 73.1 109.7

145 34.2 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

