

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052620\
 Data File : VW015491.D
 Acq On : 26 May 2020 23:07
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.0mL/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 27 01:09:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 27 01:05:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	359737	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	330905	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	160573	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	65427	19.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.40%
7) Chloroethane-d5	2.89	69	71461	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.20%
10) 1,1-Dichloroethene-d2	4.02	63	168458	20.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.88%
20) 2-Butanone-d5	7.08	46	56055	52.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.16%
24) Chloroform-d	7.65	84	196204	23.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.32%
26) 1,2-Dichloroethane-d4	8.31	65	110506	23.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.52%
29) Benzene-d6	8.27	84	364064	22.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.72%
33) 1,2-Dichloropropane-d6	9.27	67	114498	23.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.88%
37) Toluene-d8	10.32	98	343358	21.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.04%
38) trans-1,3-Dichloropropene-	10.58	79	51885	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.96%
39) 2-Hexanone-d5	10.93	63	45919	53.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	95569	25.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	128107	23.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	76386	24.035	ug/L 96
3) Chloromethane	2.21	50	79438	22.706	ug/L 100
5) Vinyl chloride	2.37	62	126205	23.988	ug/L 99
6) Bromomethane	2.78	94	84893	24.825	ug/L 99
8) Chloroethane	2.93	64	79570	24.845	ug/L 99
9) Trichlorofluoromethane	3.26	101	82905	22.143	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	103481	23.303	ug/L 98
12) 1,1-Dichloroethene	4.04	96	102450	23.884	ug/L 92
13) Acetone	4.12	43	40944	49.208	ug/L 100
14) Carbon disulfide	4.38	76	330507	23.096	ug/L 98
15) Methyl Acetate	4.67	43	49832	27.682	ug/L 100
16) Methylene chloride	4.92	84	114197	25.865	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	181526	26.667	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	118329	25.741	ug/L 97
19) 1,1-Dichloroethane	6.22	63	215795	26.099	ug/L 99
21) 2-Butanone	7.18	43	66085	51.702	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	126965	26.476	ug/L 96

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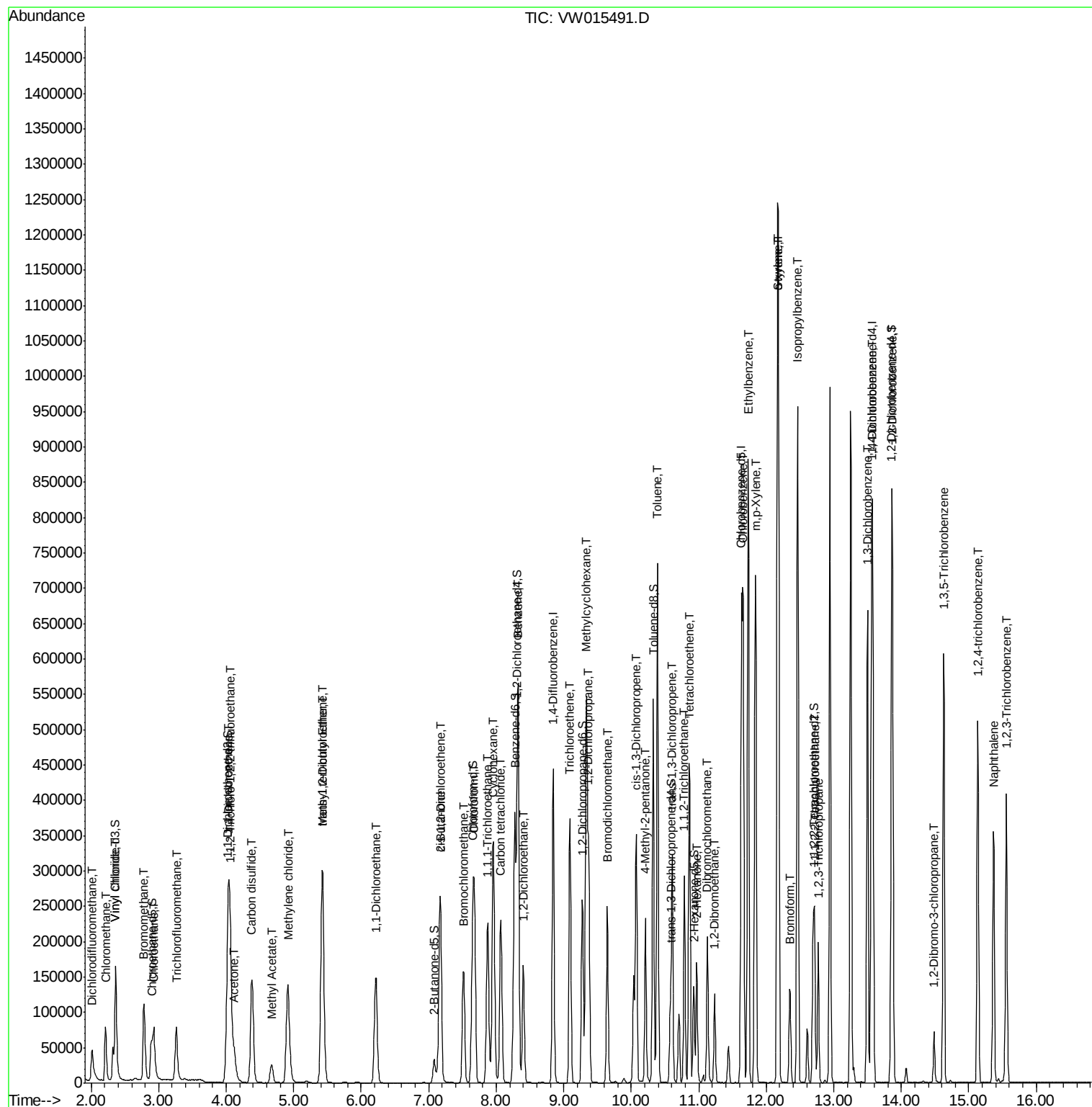
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	55360	26.771	ug/L	99
25) Chloroform	7.68	83	220652	26.503	ug/L	100
27) 1,2-Dichloroethane	8.40	62	154963	27.513	ug/L	99
30) Cyclohexane	7.96	56	195063	23.847	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	186146	25.145	ug/L	99
32) Carbon tetrachloride	8.07	117	169347	24.941	ug/L	100
34) Benzene	8.32	78	483709	26.139	ug/L	100
35) Trichloroethene	9.09	95	126722	25.494	ug/L	99
36) Methylcyclohexane	9.34	83	217938	24.583	ug/L	100
40) 1,2-Dichloropropane	9.37	63	121047	26.562	ug/L	99
41) Bromodichloromethane	9.65	83	160262	26.324	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	190280	26.093	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	150363	56.288	ug/L	100
44) Toluene	10.39	91	527529	26.166	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	168179	26.501	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	88613	27.794	ug/L	99
47) Tetrachloroethene	10.87	164	99041	25.135	ug/L	93
49) 2-Hexanone	10.97	43	103177	57.222	ug/L	99
50) Dibromochloromethane	11.13	129	104403	26.953	ug/L	96
51) 1,2-Dibromoethane	11.24	107	84028	27.453	ug/L	99
52) Chlorobenzene	11.66	112	330142	26.107	ug/L	99
53) Ethylbenzene	11.73	91	605731	26.165	ug/L	100
54) m,p-Xylene	11.84	106	230443	26.528	ug/L	99
55) o-xylene	12.16	106	219300	26.596	ug/L	98
56) Styrene	12.18	104	376629	26.731	ug/L	99
57) Isopropylbenzene	12.46	105	593588	25.842	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	104204	28.232	ug/L #	99
59) 1,2,3-Trichloropropane	12.77	75	78216	27.947	ug/L	100
62) Bromoform	12.35	173	60373	26.985	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	260912	26.554	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	258845	26.886	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	230815	27.032	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	17970	27.743	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	183682	27.002	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	149722	27.327	ug/L	97
69) Naphthalene	15.36	128	301110	30.267	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	136861	29.362	ug/L	97

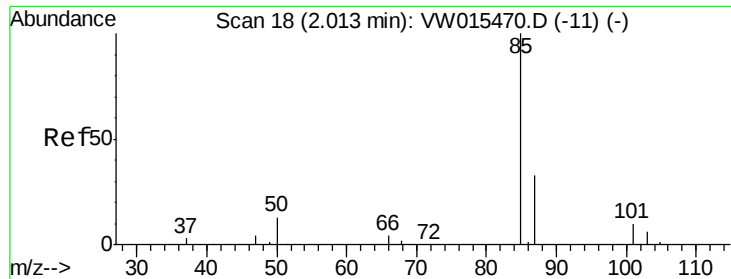
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.035 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

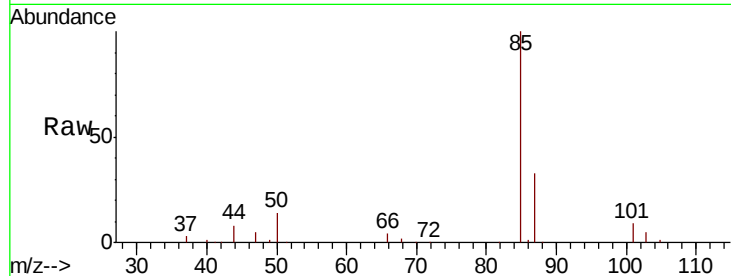
ClientSampled :

Tot Ion: 85 Resp: 76386

Ion Ratio Lower Upper

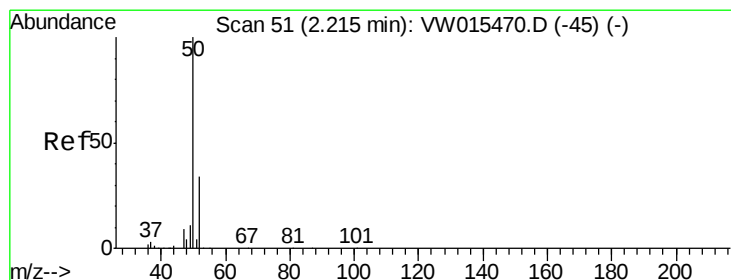
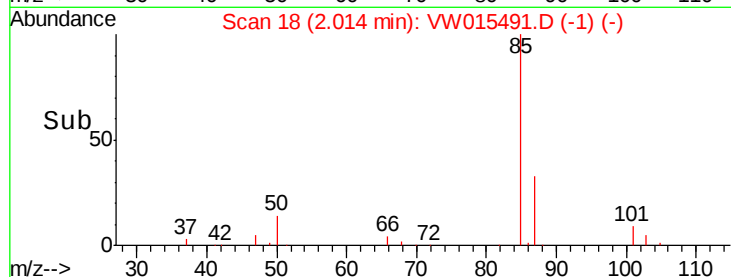
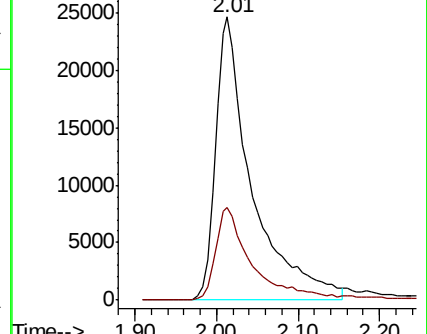
85 100

87 32.5 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.706 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015491.D

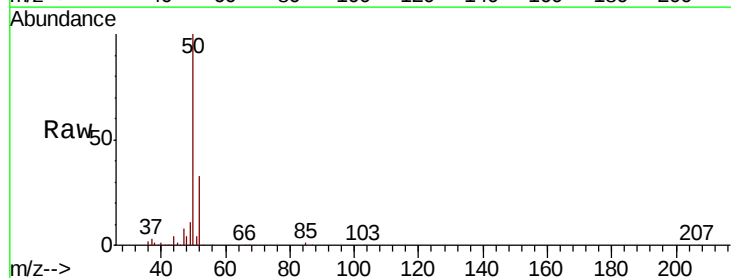
Acq: 26 May 2020 23:07

Tgt Ion: 50 Resp: 79438

Ion Ratio Lower Upper

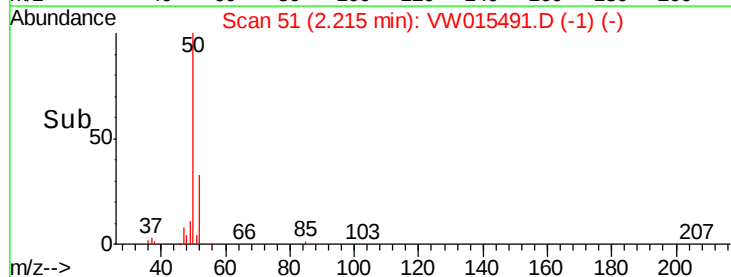
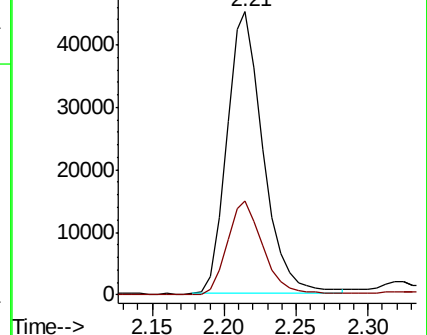
50 100

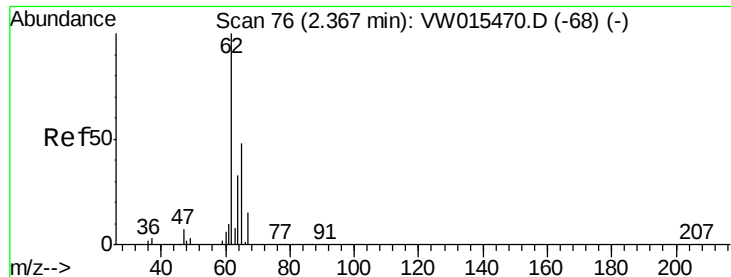
52 33.2 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.988 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

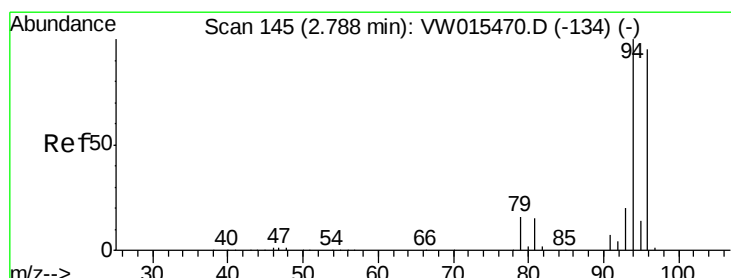
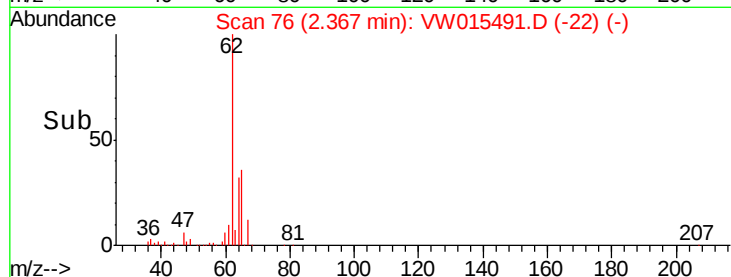
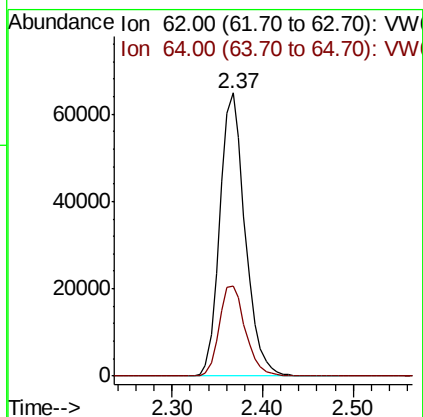
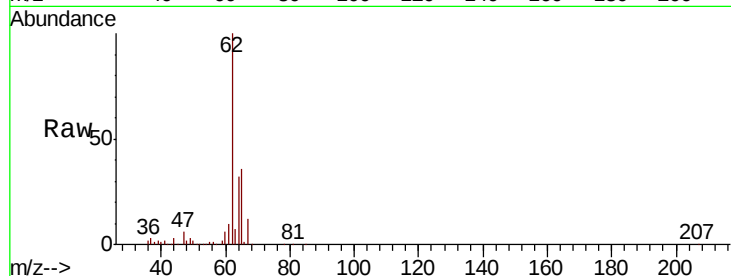
ClientSampleId :

Tot Ion: 62 Resp: 126205

Ion Ratio Lower Upper

62 100

64 31.8 22.6 42.0



#6

Bromomethane

Concen: 24.825 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015491.D

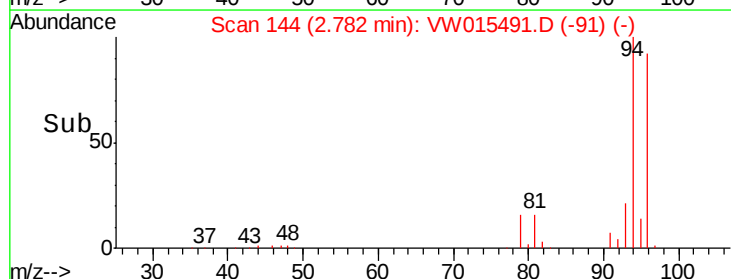
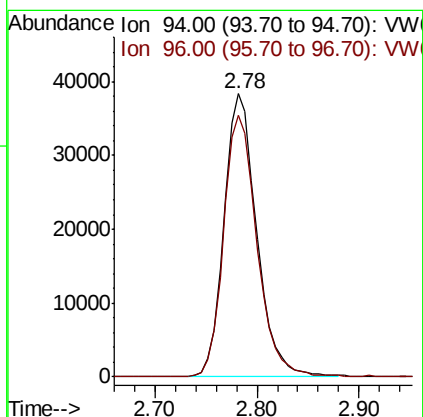
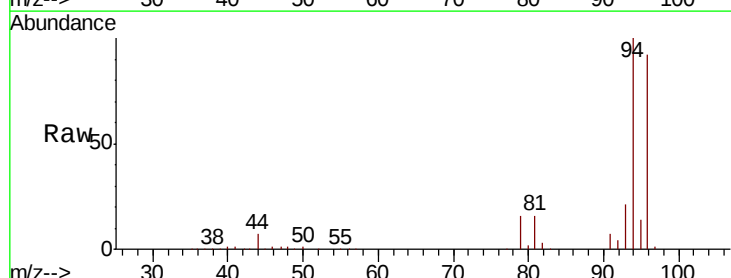
Acq: 26 May 2020 23:07

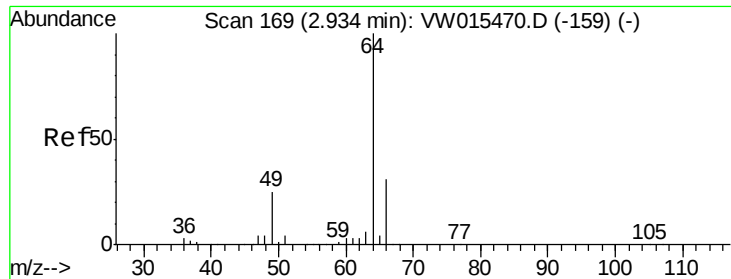
Tgt Ion: 94 Resp: 84893

Ion Ratio Lower Upper

94 100

96 94.3 9.3 177.5





#8

Chloroethane

Concen: 24.845 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

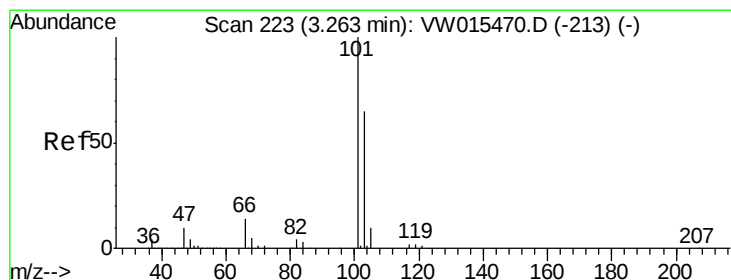
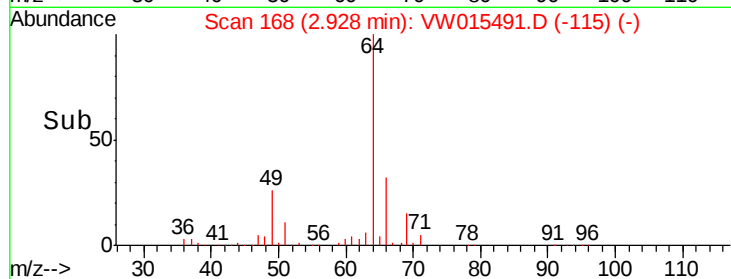
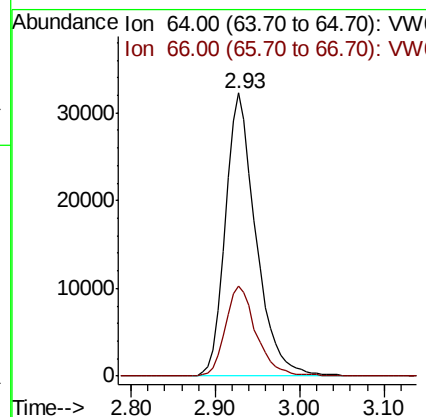
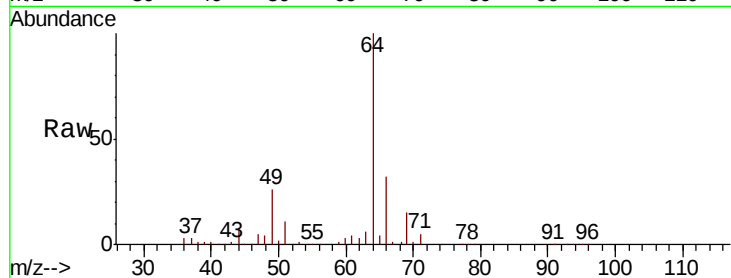
ClientSampled :

Tot Ion: 64 Resp: 79570

Ion Ratio Lower Upper

64 100

66 31.7 22.0 40.8



#9

Trichlorofluoromethane

Concen: 22.143 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015491.D

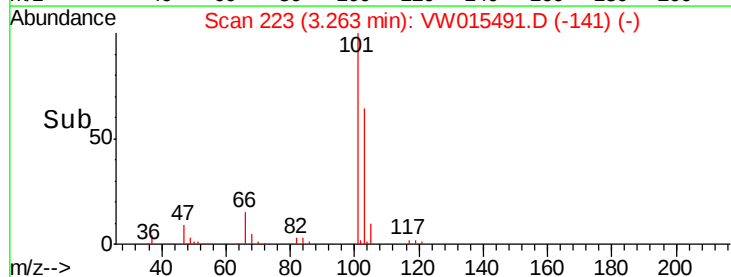
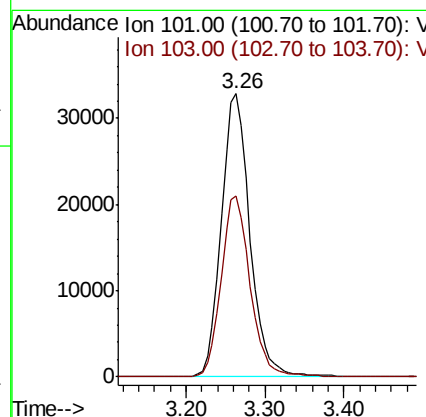
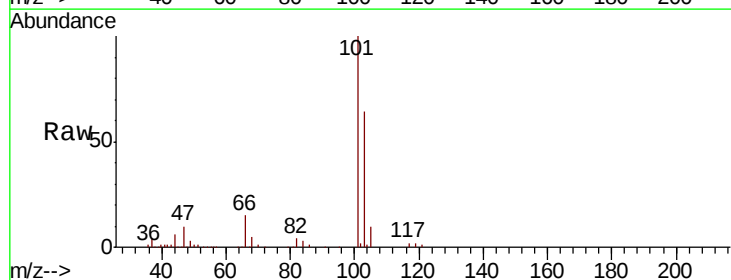
Acq: 26 May 2020 23:07

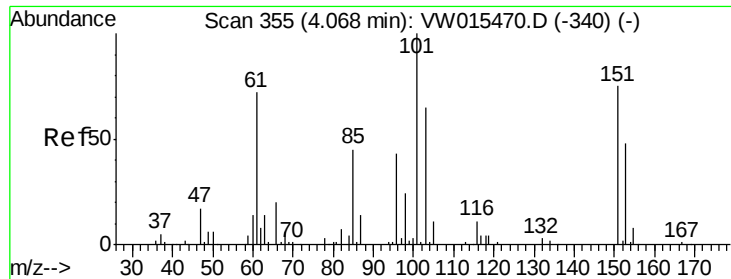
Tgt Ion: 101 Resp: 82905

Ion Ratio Lower Upper

101 100

103 64.8 46.6 86.6





#11

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

Concen: 23.303 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

ClientSampleId :

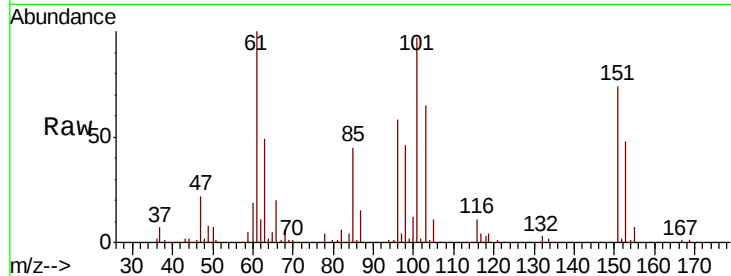
Tot Ion:101 Resp: 103481

Ion Ratio Lower Upper

101 100

85 45.8 35.1 52.7

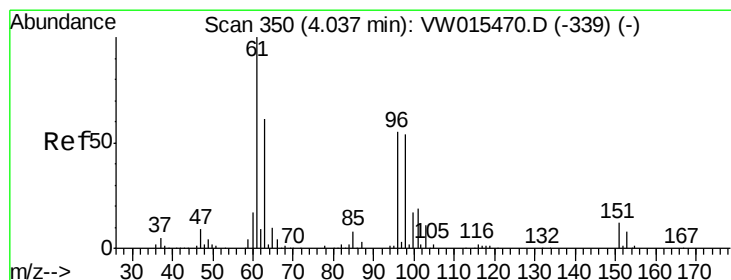
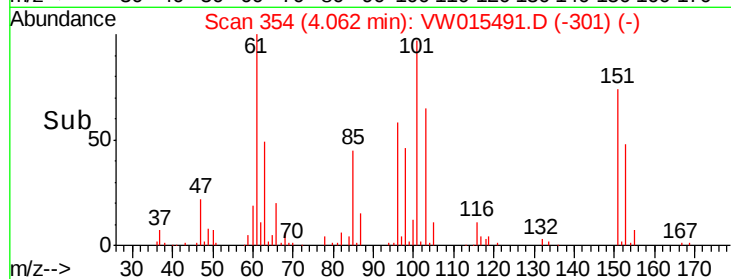
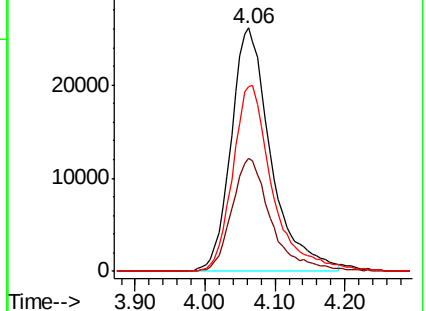
151 74.8 58.6 87.8



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: 23.884 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

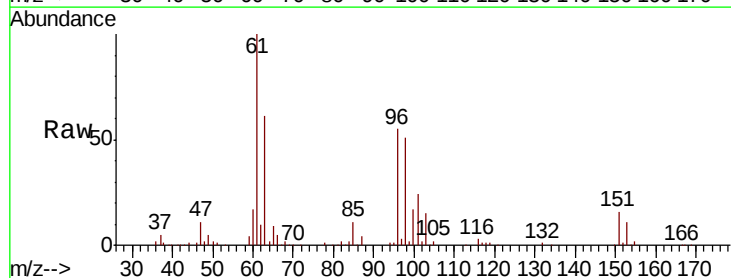
Tgt Ion: 96 Resp: 102450

Ion Ratio Lower Upper

96 100

61 181.4 127.7 237.1

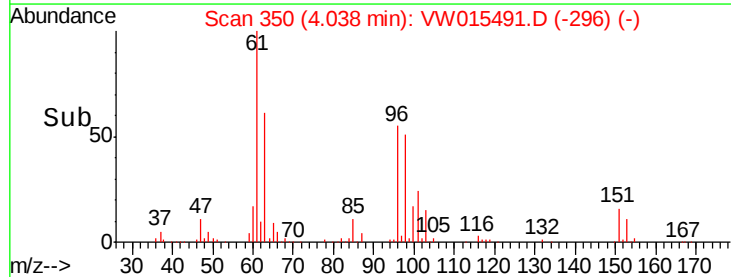
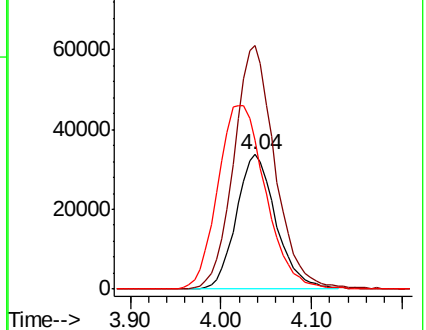
63 110.8 92.3 171.5

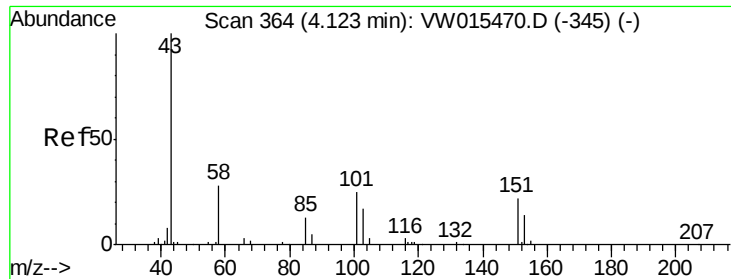


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

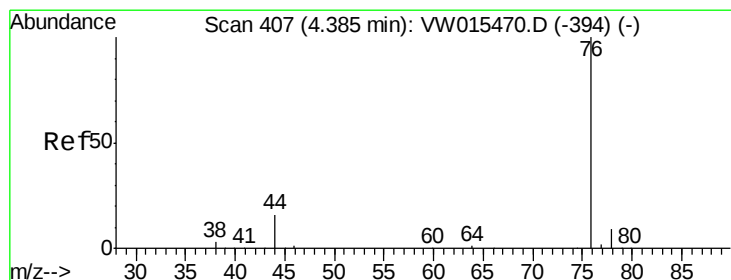
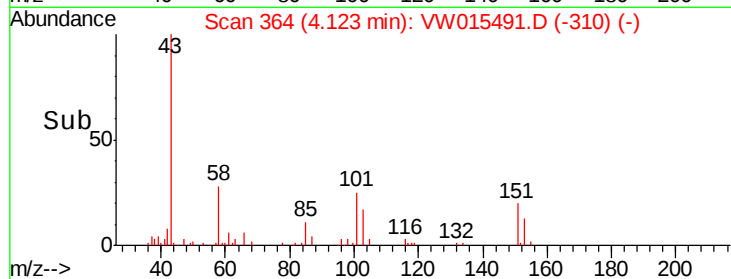
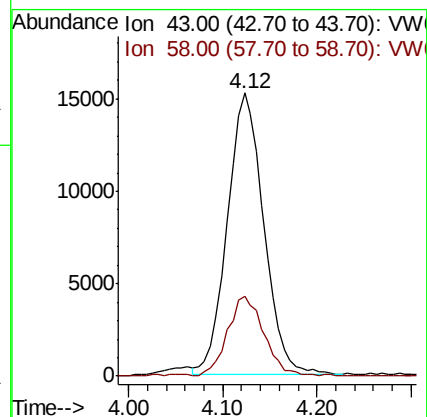
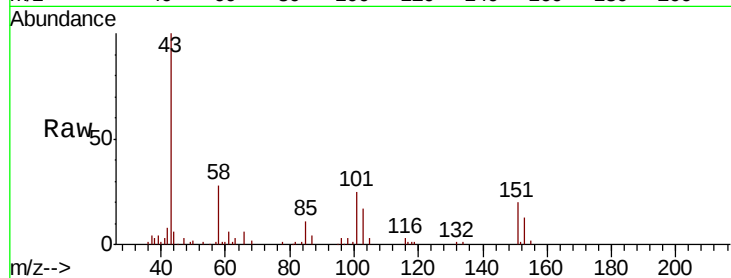




#13
Acetone
Concen: 49.208 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

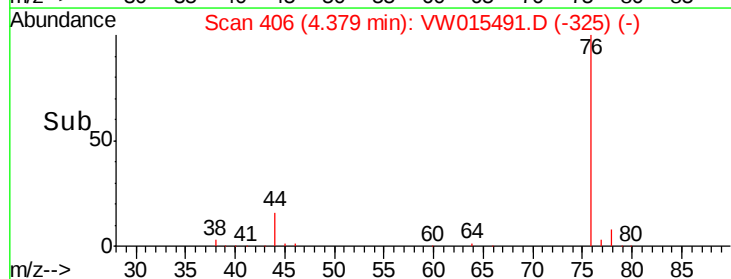
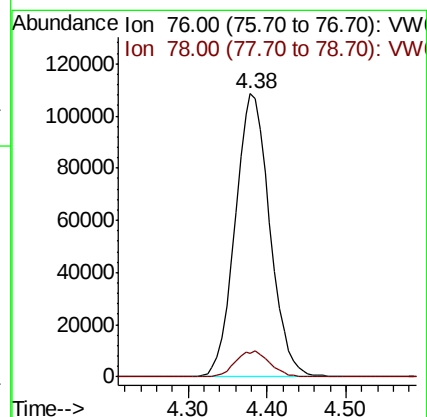
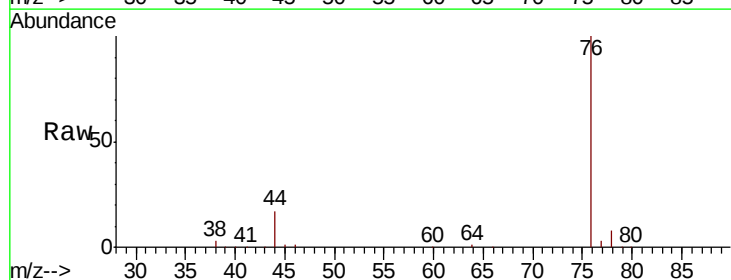
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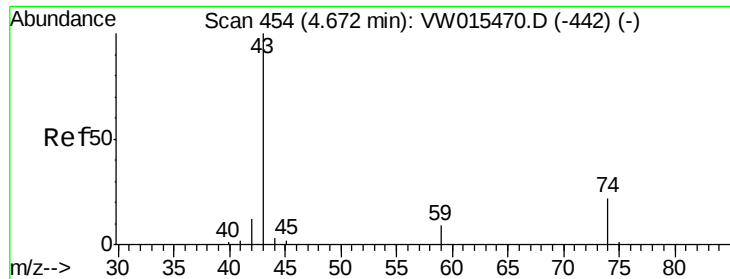
Tot Ion: 43 Resp: 40944
Ion Ratio Lower Upper
43 100
58 28.3 0.0 56.8



#14
Carbon disulfide
Concen: 23.096 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

Tgt Ion: 76 Resp: 330507
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9

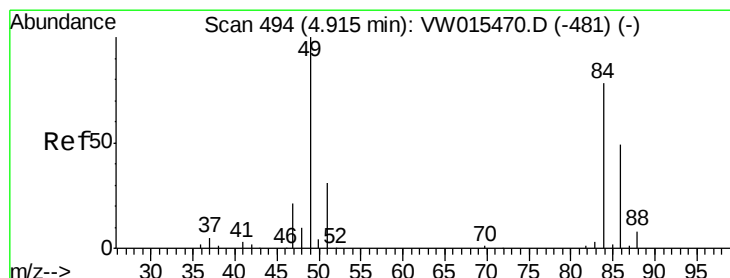
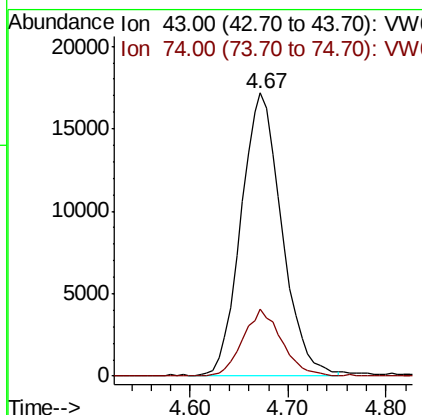
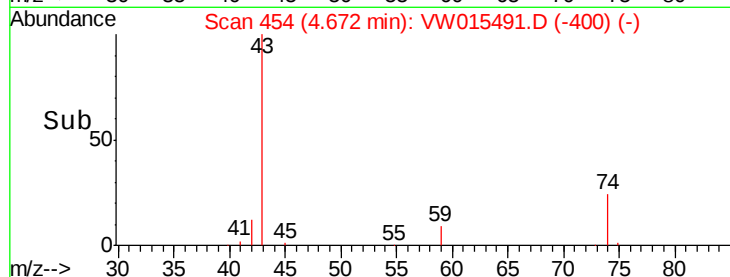
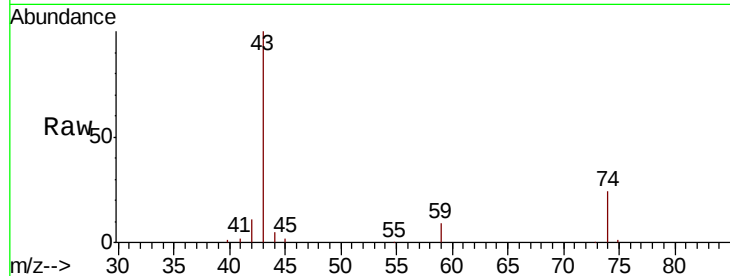




#15
Methyl Acetate
Concen: 27.682 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

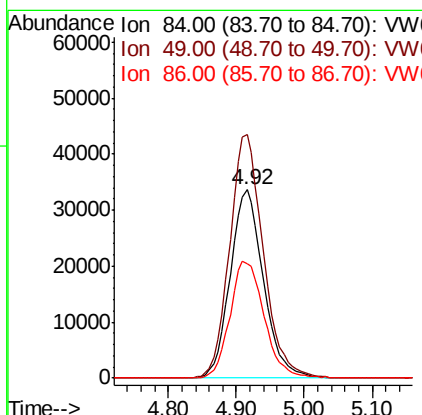
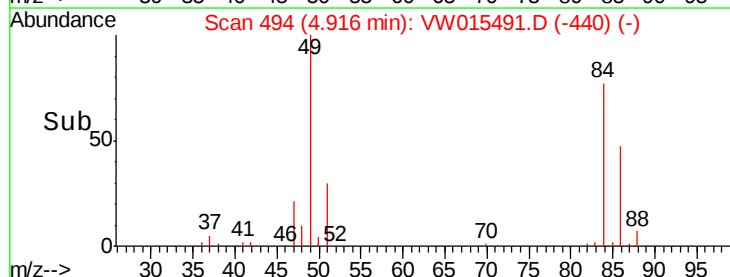
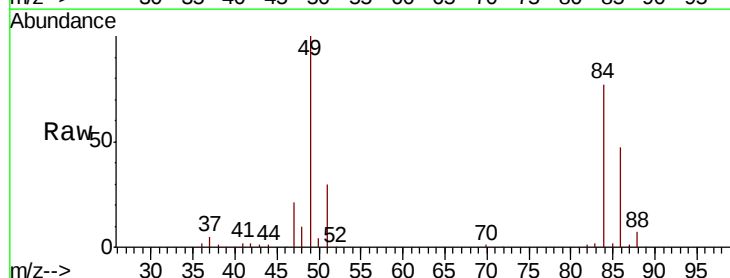
Instrument :
MSVOA_W
ClientSampleId :

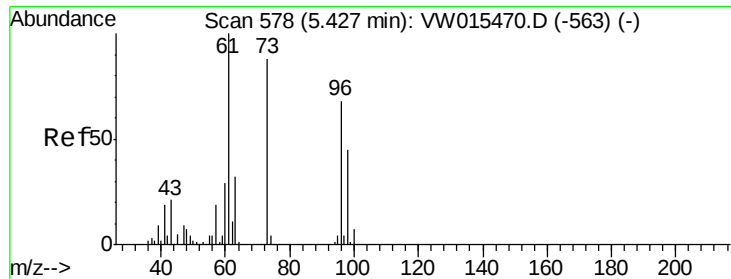
Tot Ion: 43 Resp: 49832
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.2



#16
Methylene chloride
Concen: 25.865 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

Tgt Ion: 84 Resp: 114197
Ion Ratio Lower Upper
84 100
49 129.2 93.0 172.8
86 60.6 44.7 83.1

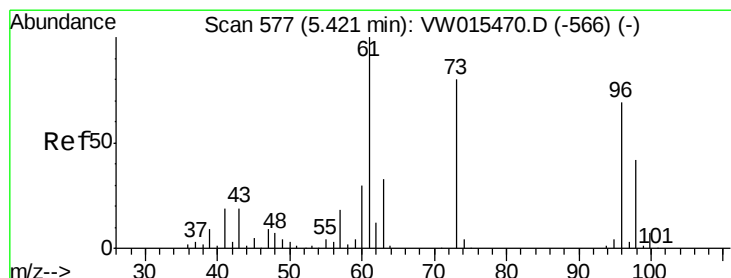
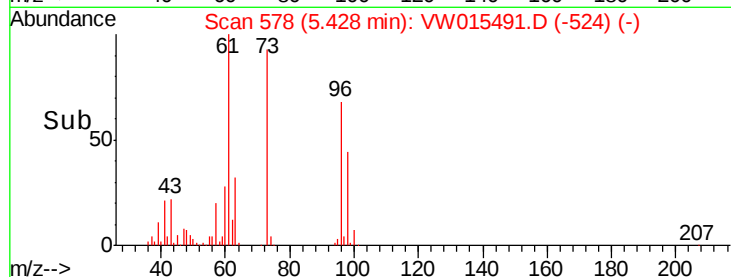
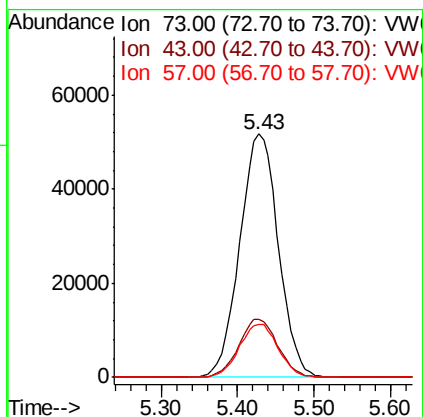
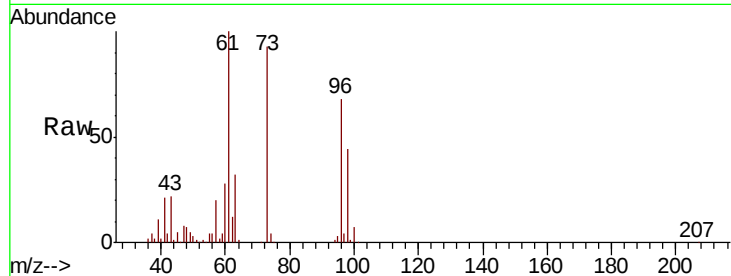




#17
Methvl tert-butvl Ether
Concen: 26.667 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

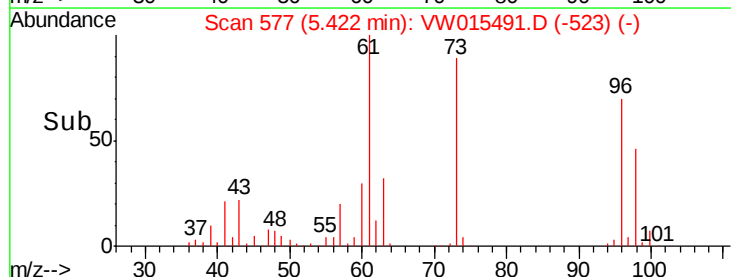
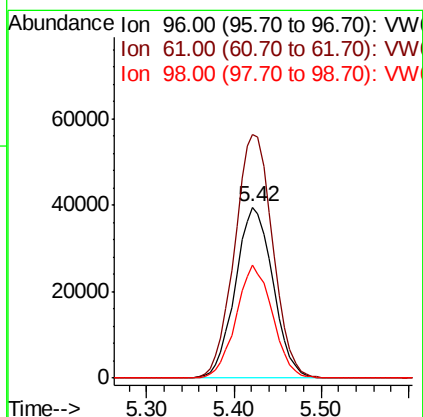
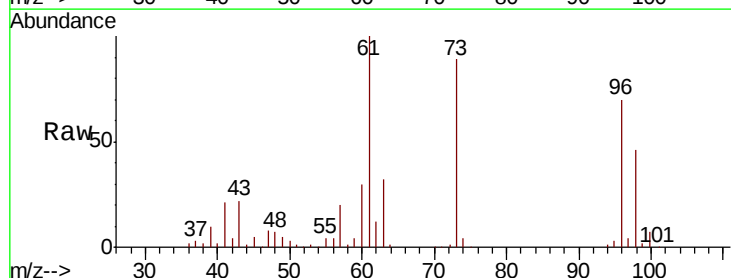
Instrument :
MSVOA_W
ClientSampled :

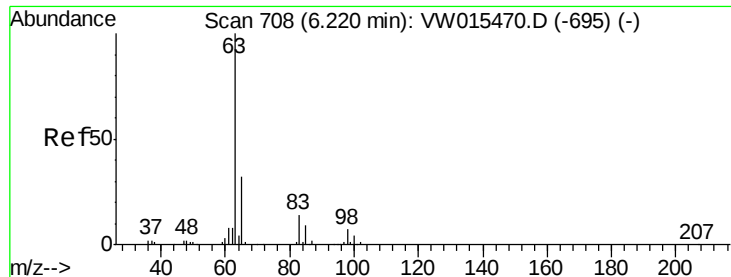
Tot Ion: 73 Resp: 181526
Ion Ratio Lower Upper
73 100
43 24.1 19.6 29.4
57 22.0 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 25.741 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

Tgt Ion: 96 Resp: 118329
Ion Ratio Lower Upper
96 100
61 142.2 101.9 189.3
98 65.9 44.9 83.5

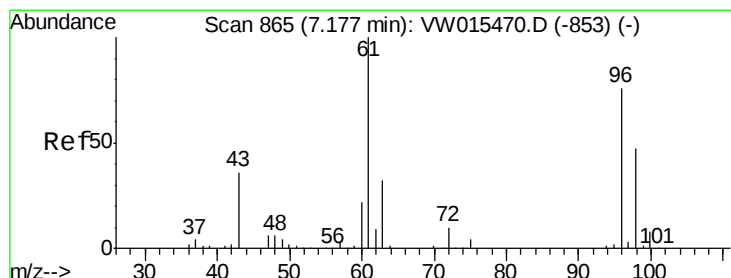
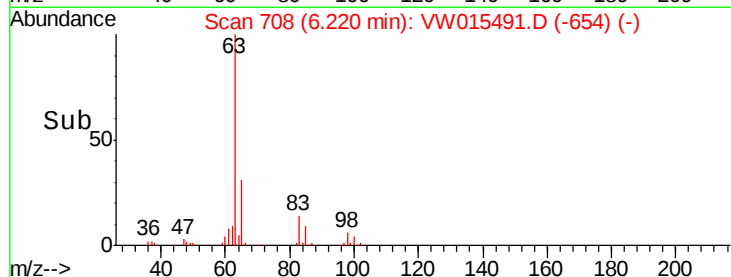
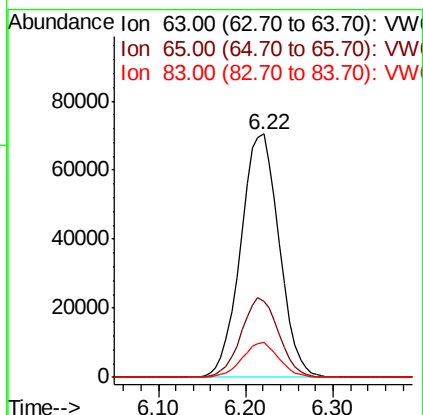
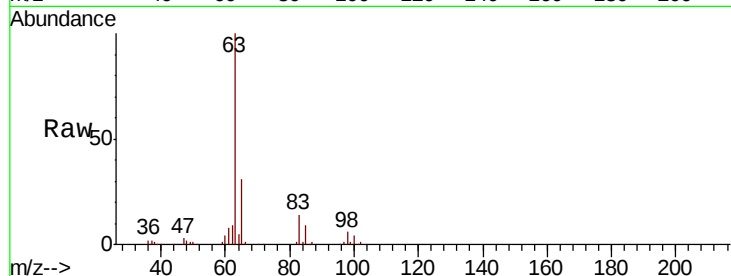




#19
 1,1-Dichloroethane
 Concen: 26.099 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015491.D
 Acq: 26 May 2020 23:07

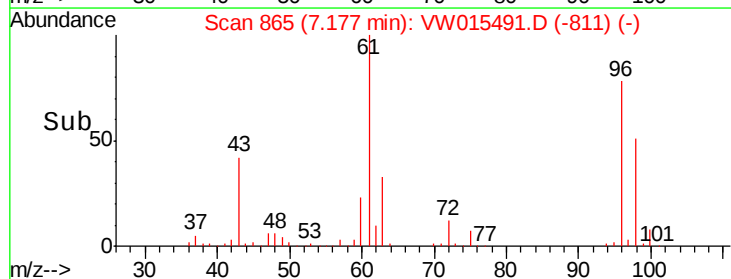
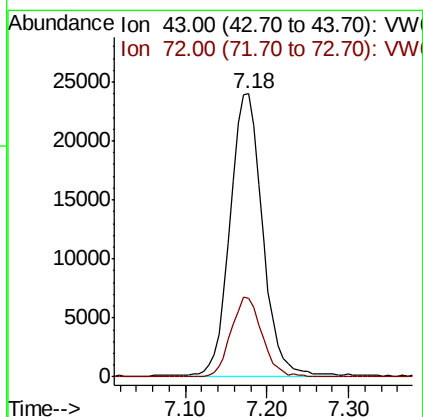
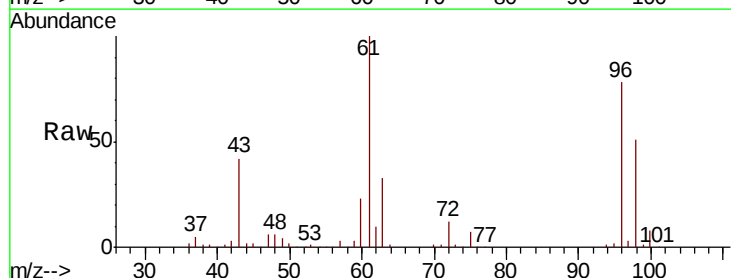
Instrument :
 MSVOA_W
 ClientSampleId :

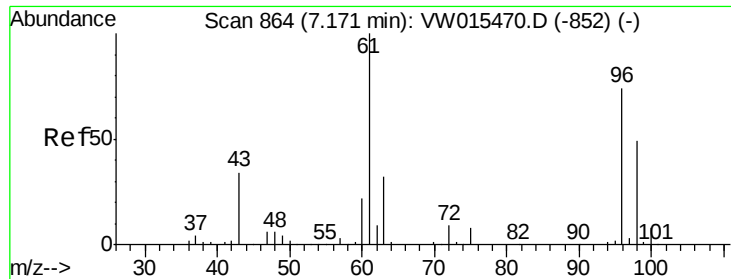
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	22.1	41.1
83	14.3	9.7	17.9



#21
 2-Butanone
 Concen: 51.702 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW015491.D
 Acq: 26 May 2020 23:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.9	13.3	39.9



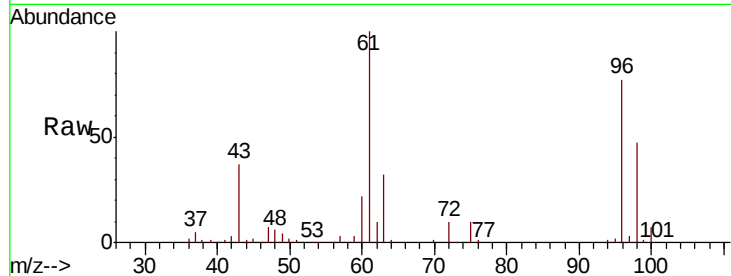


#22

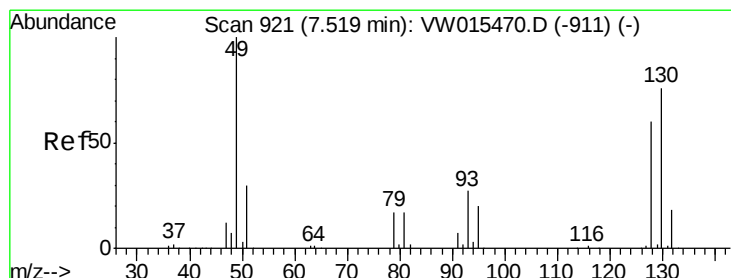
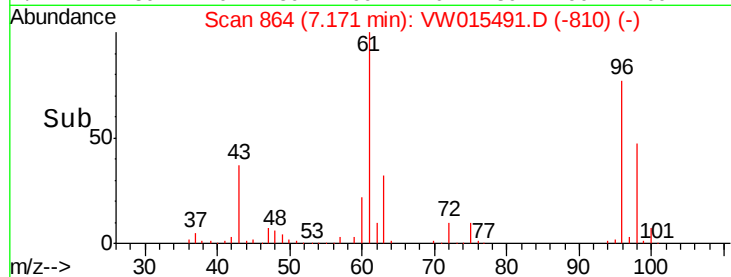
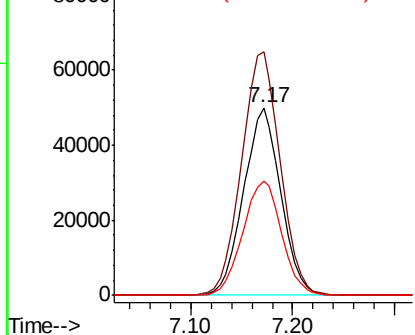
cis-1,2-Dichloroethene
Concen: 26.476 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 126965
Ion Ratio Lower Upper
96 100
61 129.9 93.7 173.9
98 61.0 45.1 83.9



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

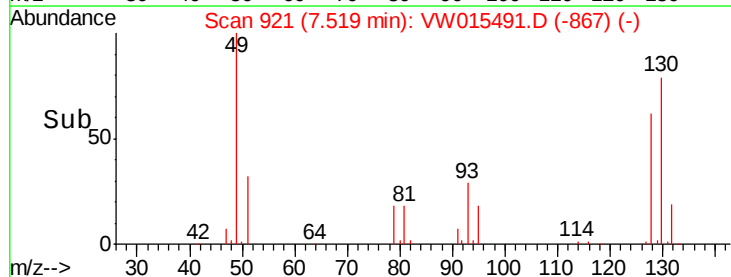
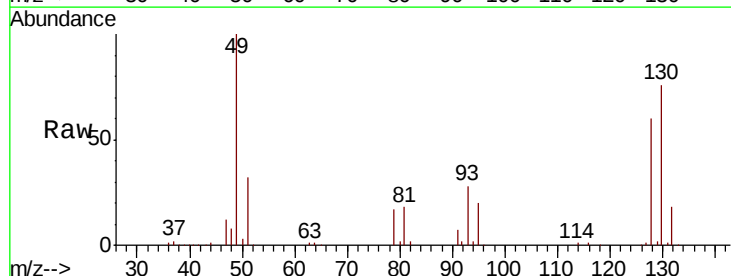
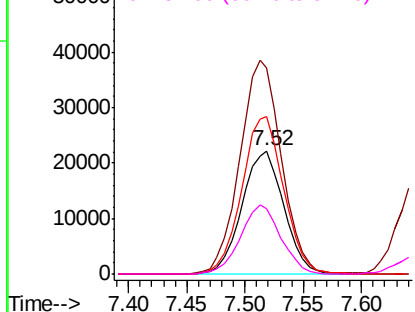


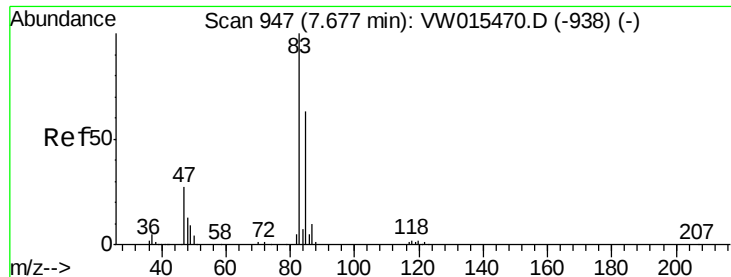
#23

Bromochloromethane
Concen: 26.771 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

Tgt Ion: 128 Resp: 55360
Ion Ratio Lower Upper
128 100
49 166.7 118.1 219.3
130 127.4 88.5 164.3
51 52.7 42.8 64.2

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

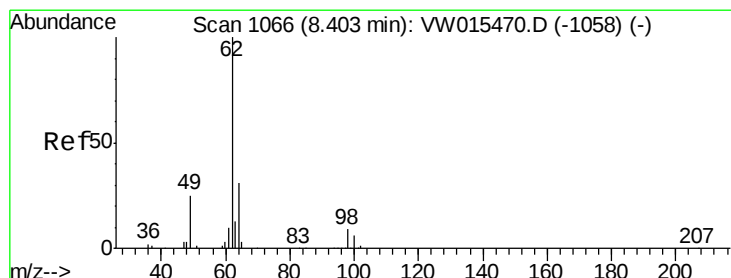
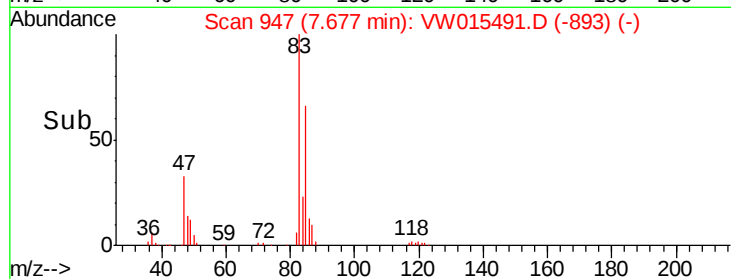
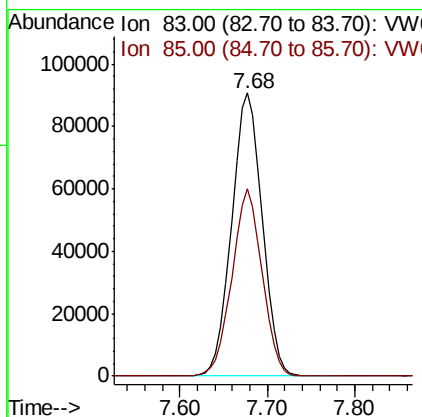
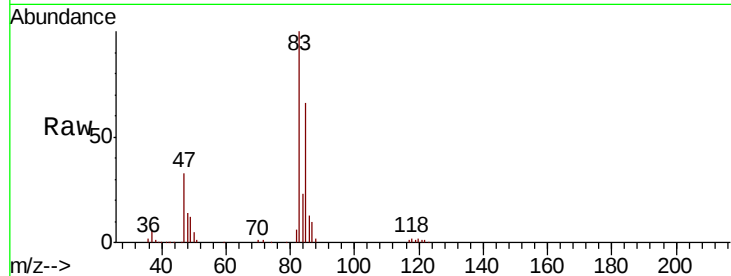




#25
Chloroform
Concen: 26.503 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

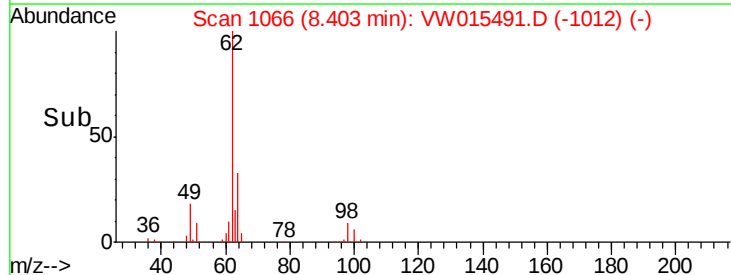
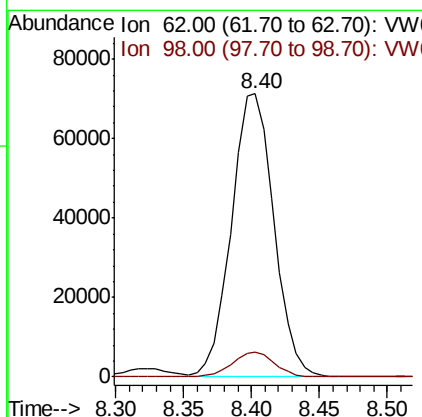
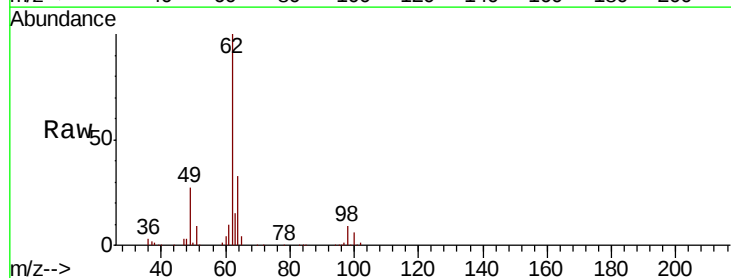
Instrument :
MSVOA_W
ClientSampled :

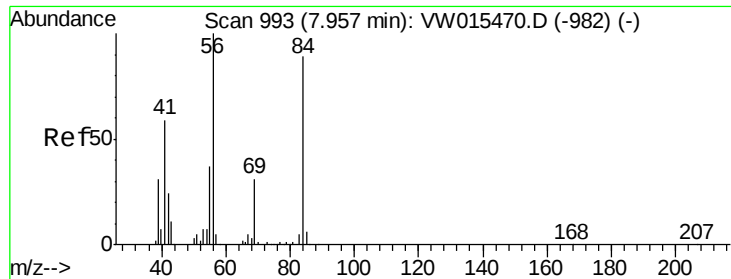
Tot Ion: 83 Resp: 220652
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.513 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

Tgt Ion: 62 Resp: 154963
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.4

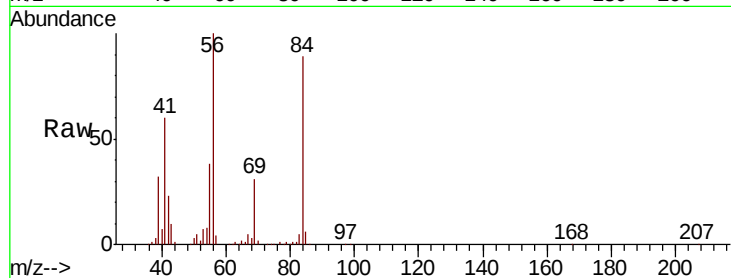




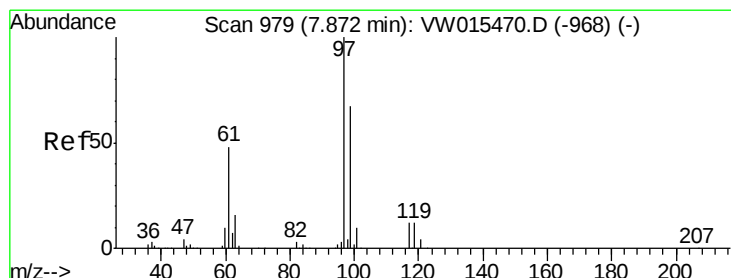
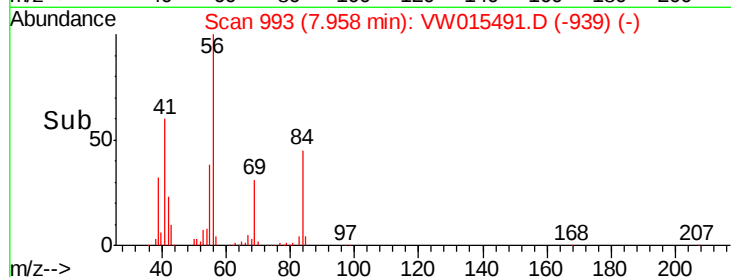
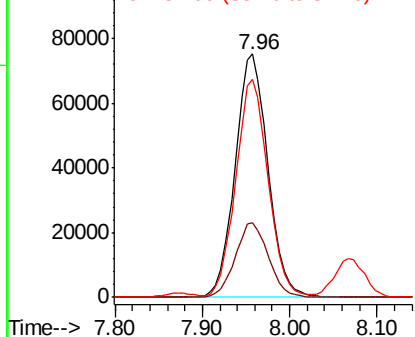
#30
Cvclohexane
Concen: 23.847 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 195063
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 88.8 69.6 104.4

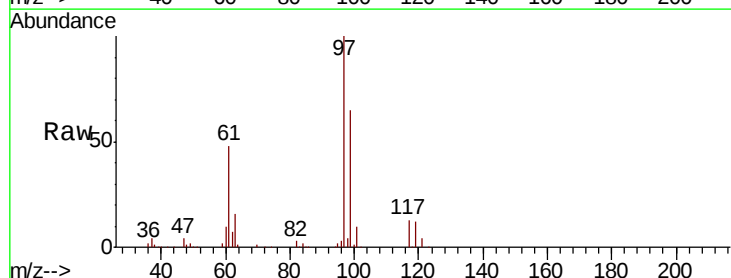


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

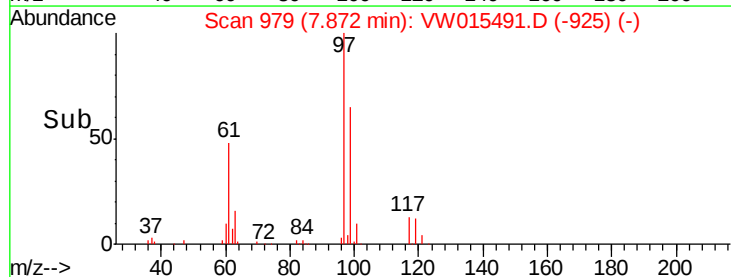
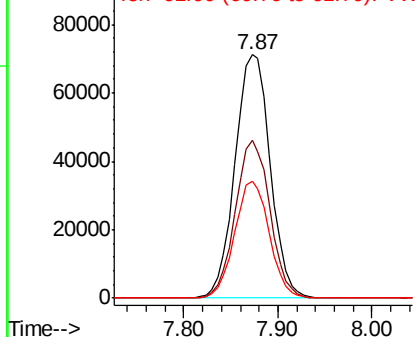


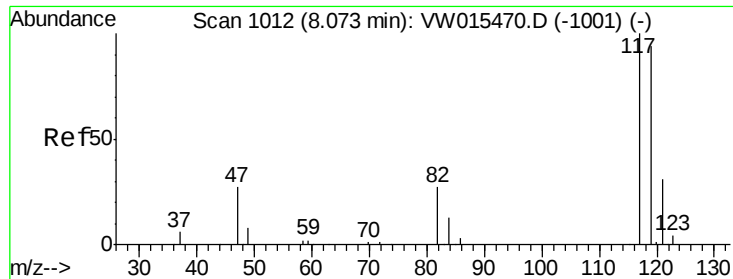
#31
1,1,1-Trichloroethane
Concen: 25.145 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

Tgt Ion: 97 Resp: 186146
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 47.2 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.941 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

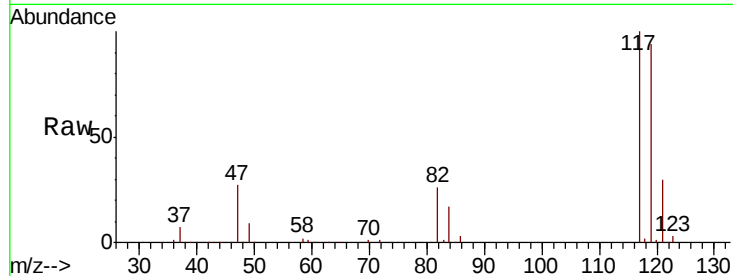
ClientSampleId :

Tot Ion:117 Resp: 169347

Ion Ratio Lower Upper

117 100

119 95.5 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

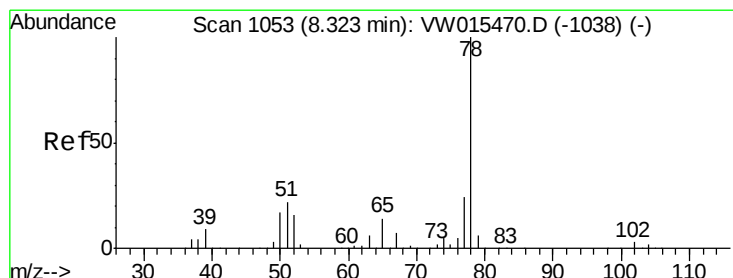
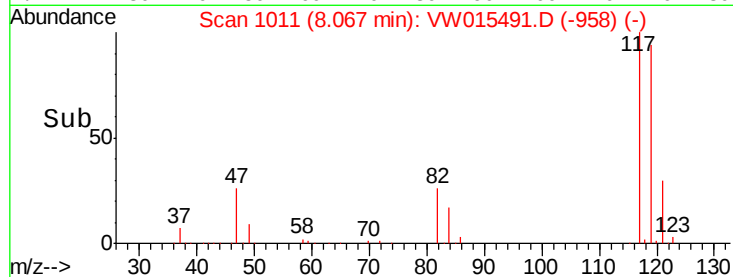
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 26.139 ug/L

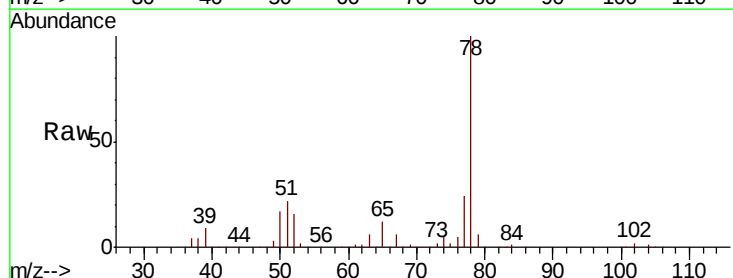
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Tgt Ion: 78 Resp: 483709



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

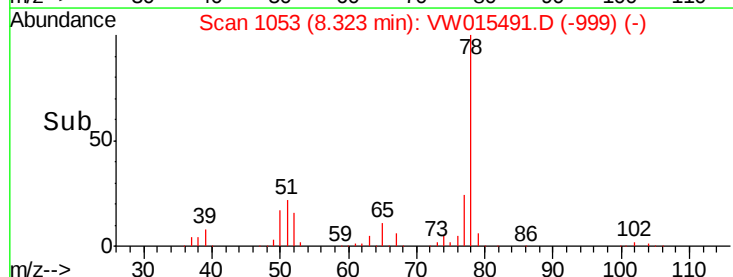
100000

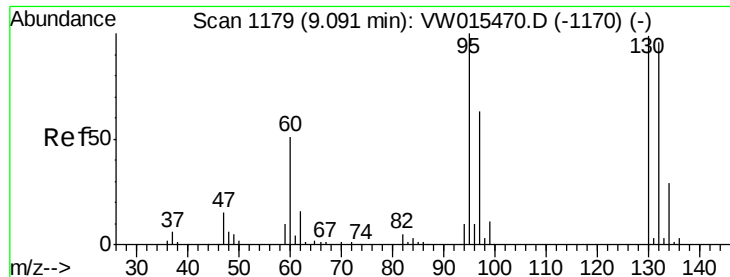
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 25.494 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 126722

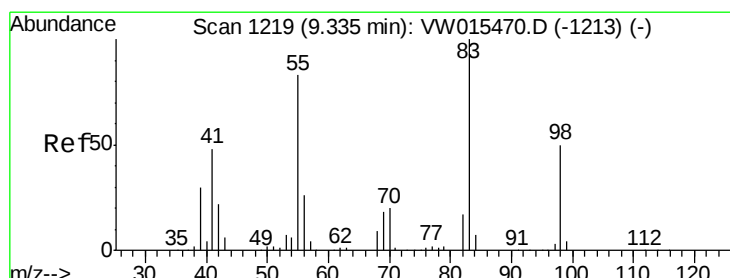
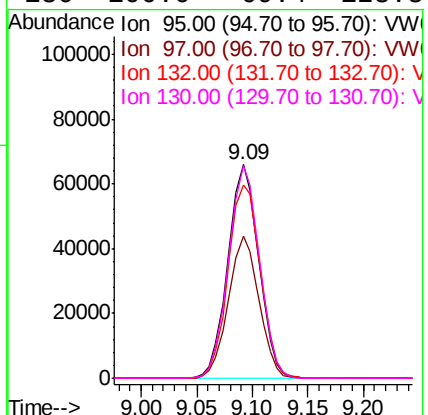
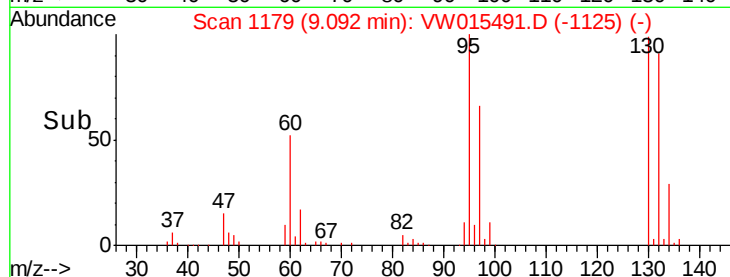
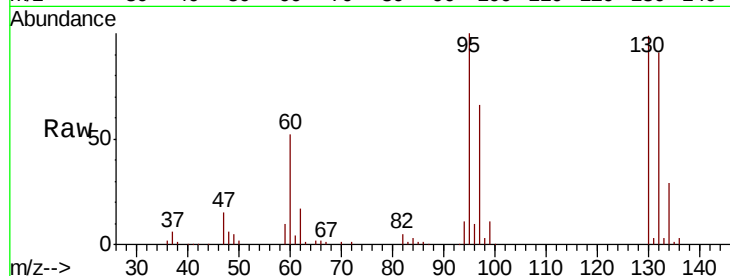
Ion Ratio Lower Upper

95 100

97 65.7 45.4 84.2

132 94.5 67.1 124.7

130 100.0 69.4 128.8



#36

Methylcyclohexane

Concen: 24.583 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

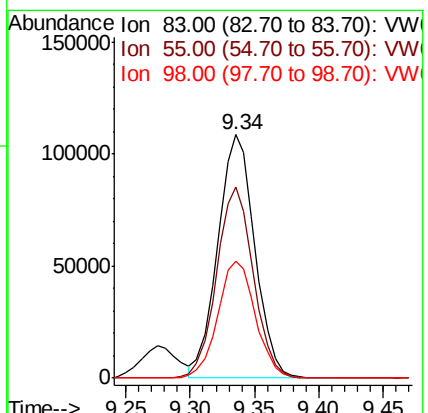
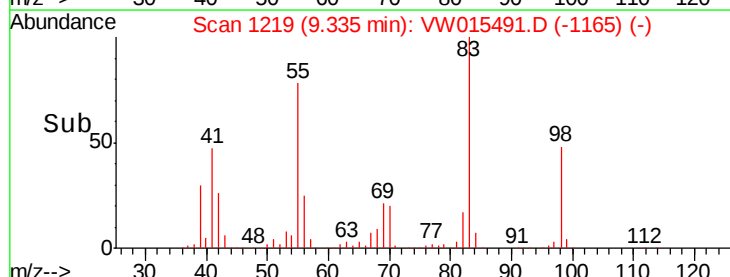
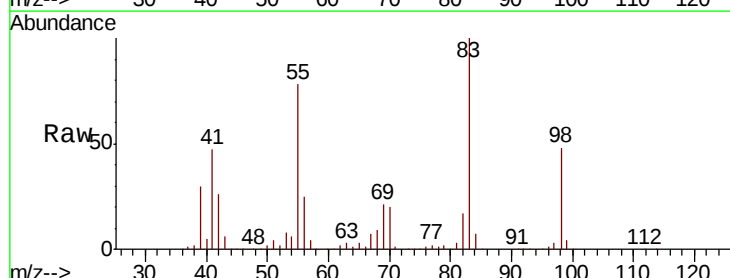
Tgt Ion: 83 Resp: 217938

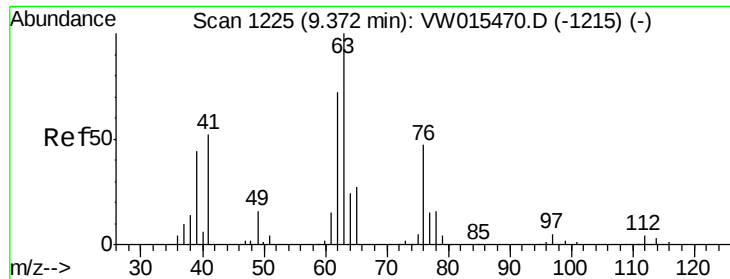
Ion Ratio Lower Upper

83 100

55 78.2 62.8 94.2

98 48.8 39.2 58.8

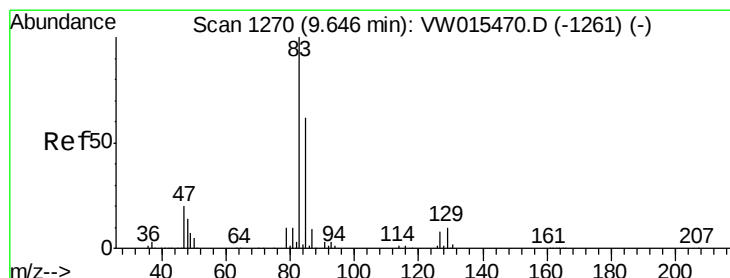
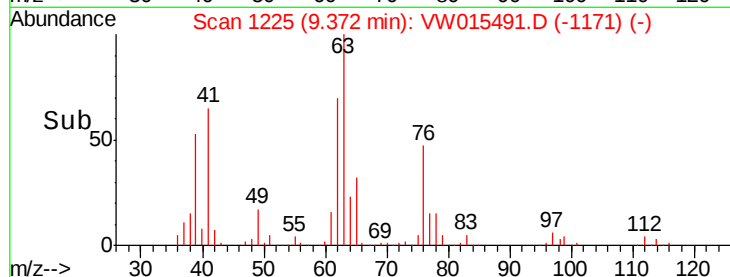
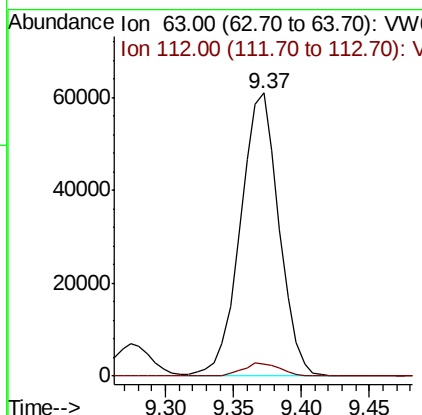
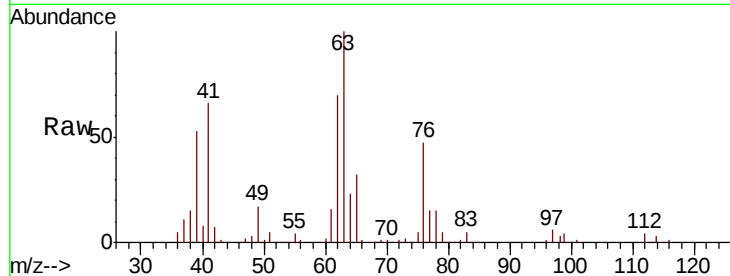




#40
 1,2-Dichloropropane
 Concen: 26.562 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015491.D
 Acq: 26 May 2020 23:07

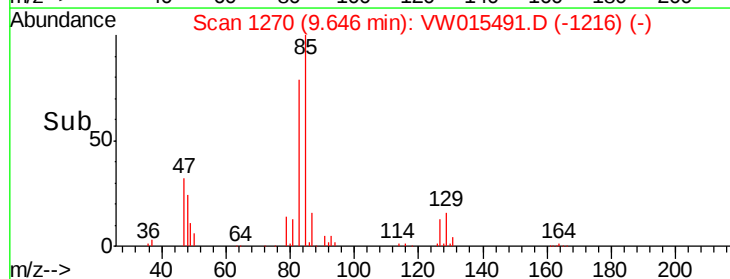
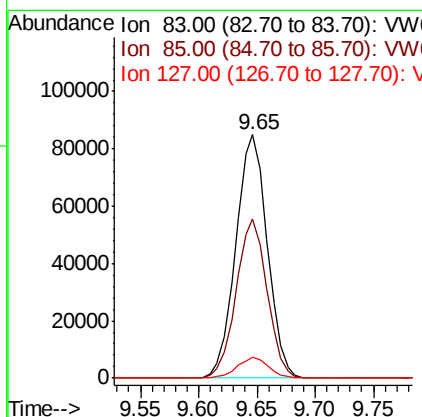
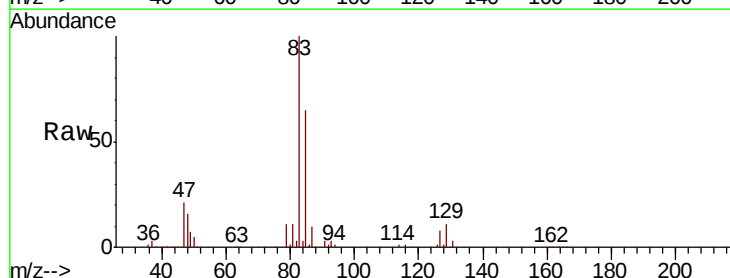
Instrument :
 MSVOA_W
 ClientSampleId :

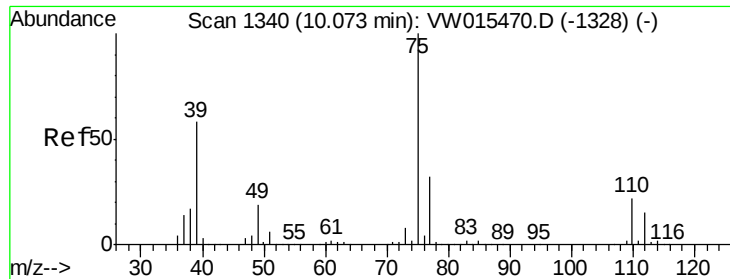
Tot Ion: 63 Resp: 121047
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.8



#41
 Bromodichloromethane
 Concen: 26.324 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015491.D
 Acq: 26 May 2020 23:07

Tgt Ion: 83 Resp: 160262
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.8 83.2
 127 8.3 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 26.093 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

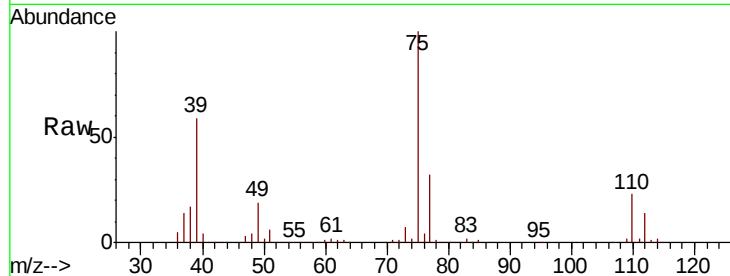
ClientSampleId :

Tot Ion: 75 Resp: 190280

Ion Ratio Lower Upper

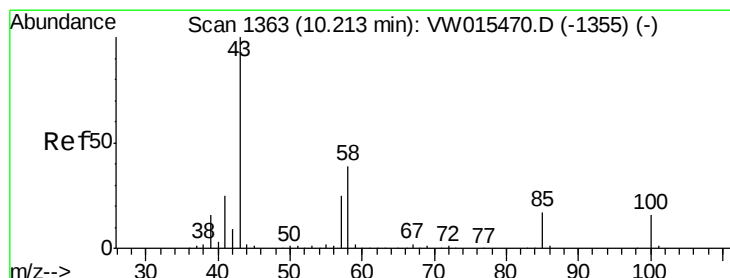
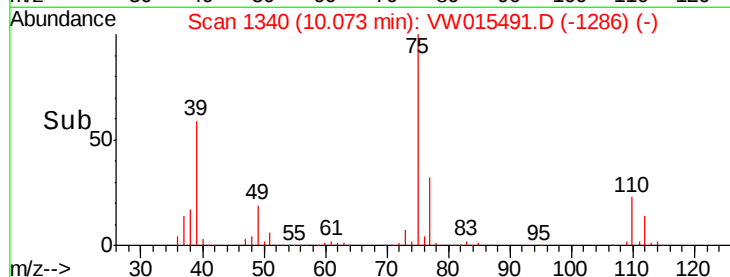
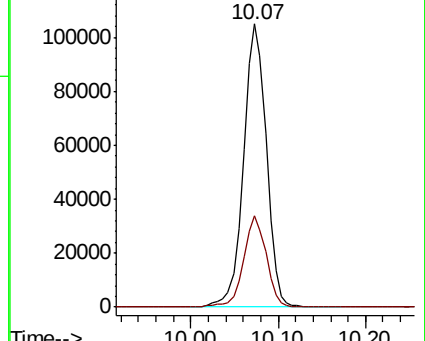
75 100

77 32.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 56.288 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

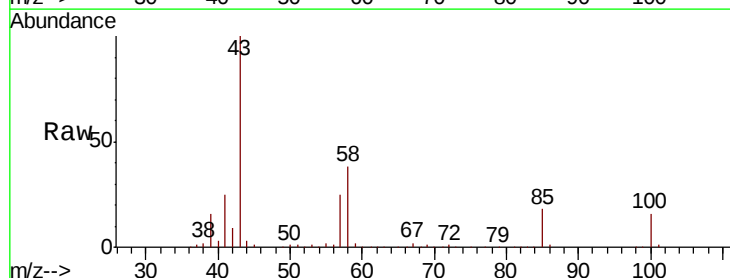
Tgt Ion: 43 Resp: 150363

Ion Ratio Lower Upper

43 100

58 38.4 30.6 46.0

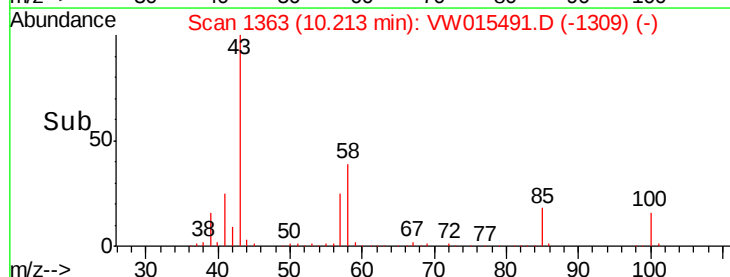
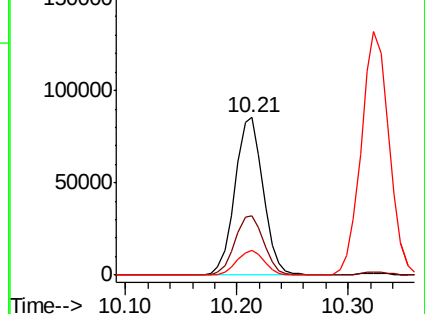
100 15.7 12.5 18.7

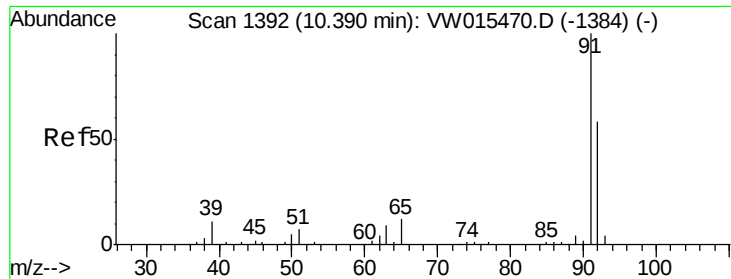


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 26.166 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

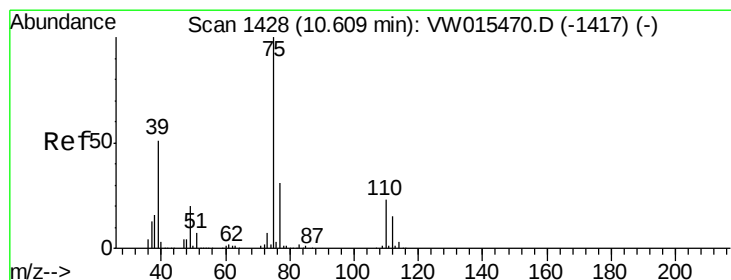
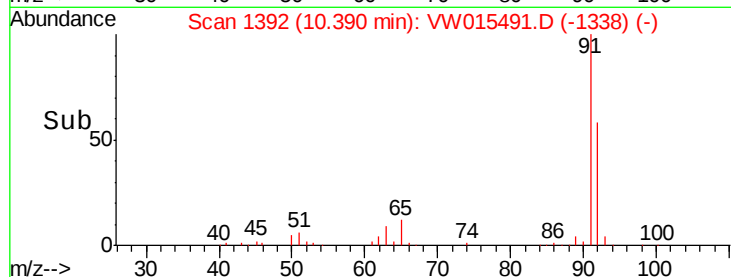
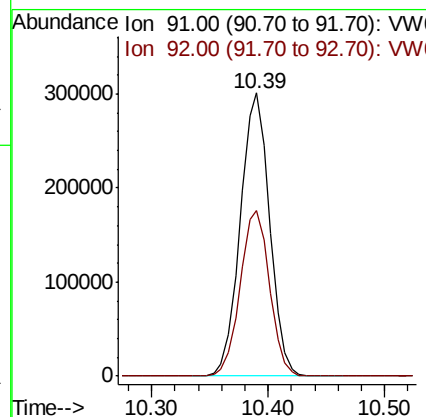
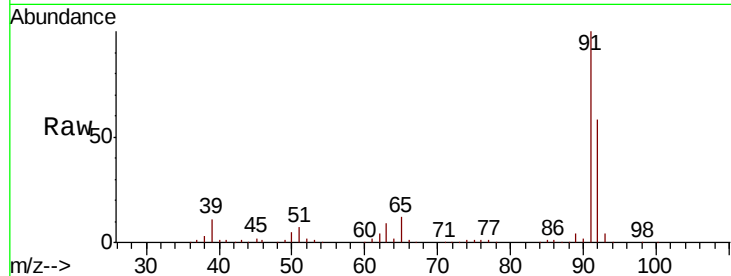
ClientSampleId :

Tot Ion: 91 Resp: 527529

Ion Ratio Lower Upper

91 100

92 58.5 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 26.501 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW015491.D

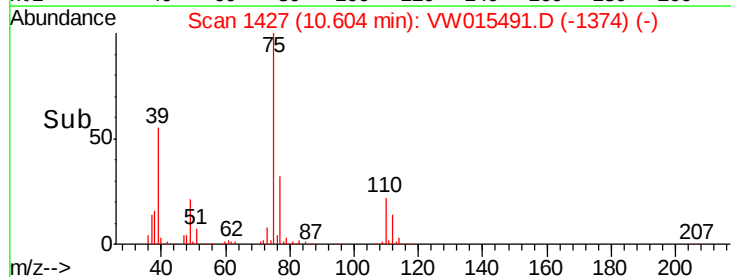
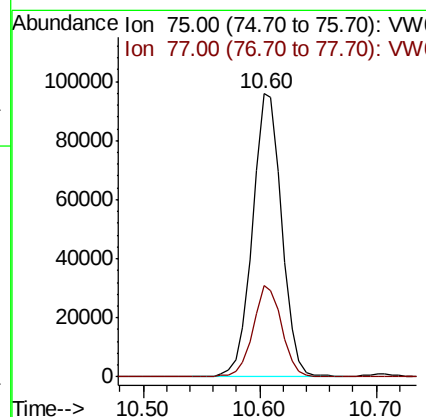
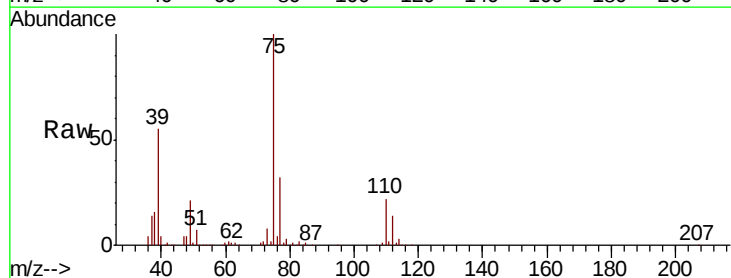
Acq: 26 May 2020 23:07

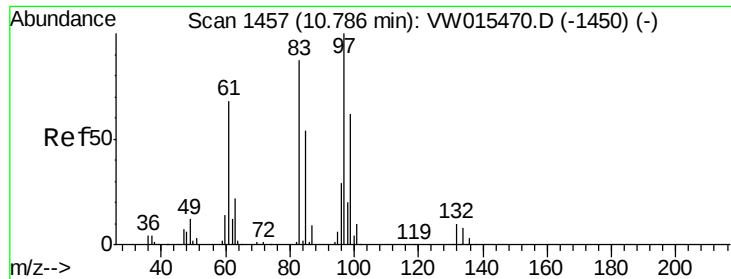
Tgt Ion: 75 Resp: 168179

Ion Ratio Lower Upper

75 100

77 32.1 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 27.794 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 88613

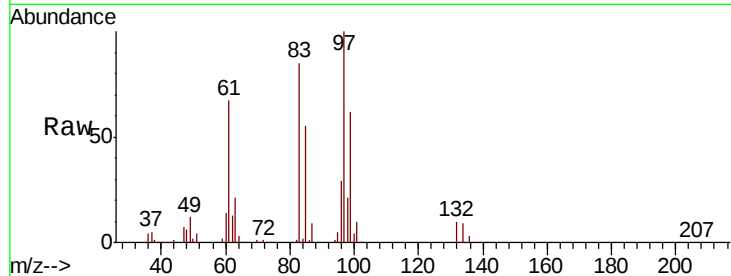
Ion Ratio Lower Upper

97 100

83 85.0 58.2 108.2

85 54.8 37.4 69.4

99 62.4 43.7 81.1

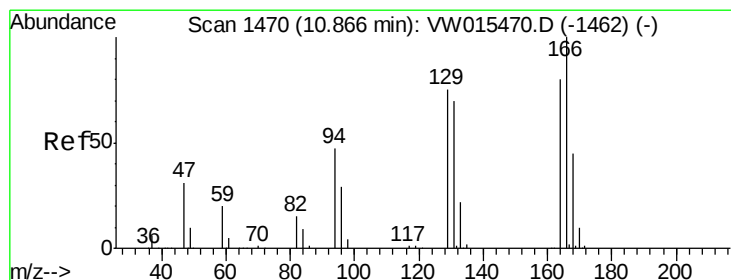
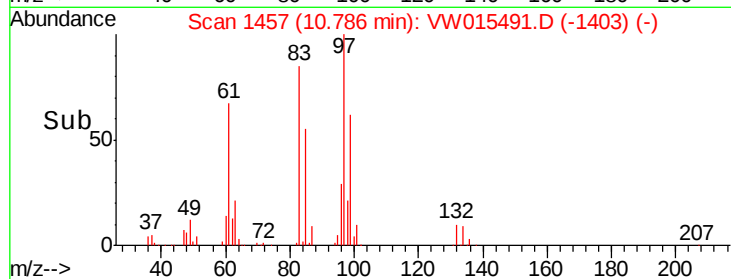
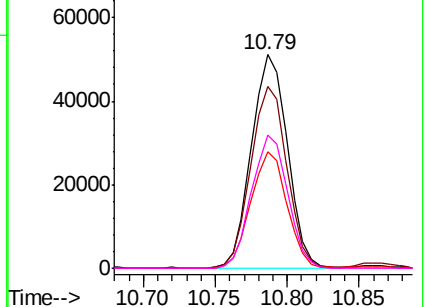


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.135 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Tgt Ion: 164 Resp: 99041

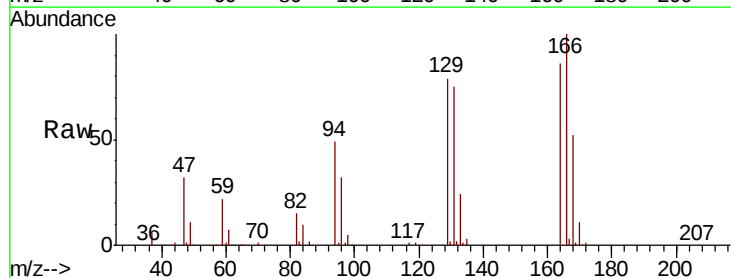
Ion Ratio Lower Upper

164 100

129 91.9 66.3 123.1

131 87.8 65.1 120.9

166 116.9 90.8 168.6

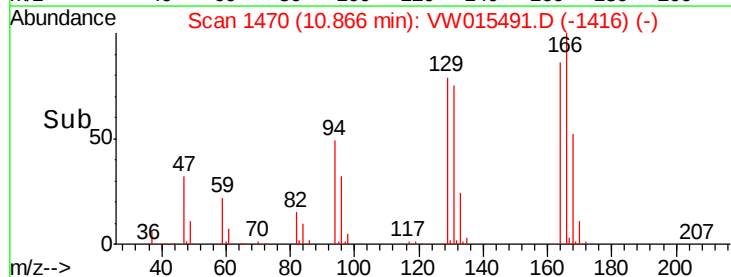
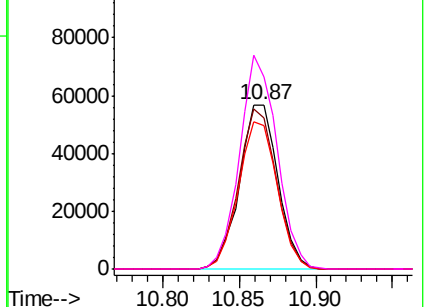


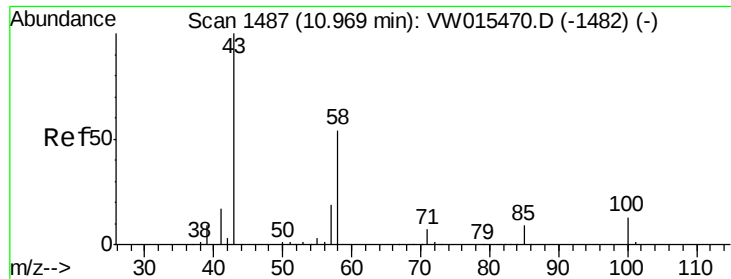
Abundance Ion 164.00 (163.70 to 164.70): V

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

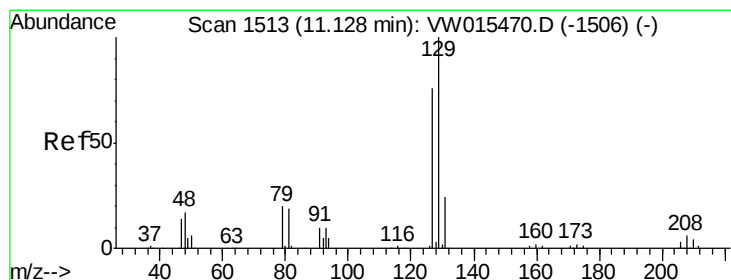
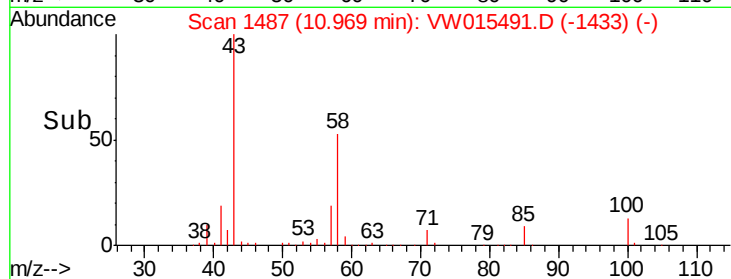
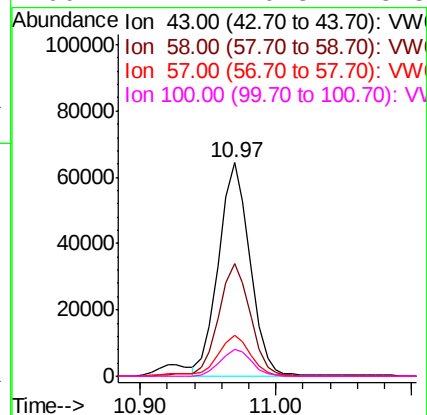
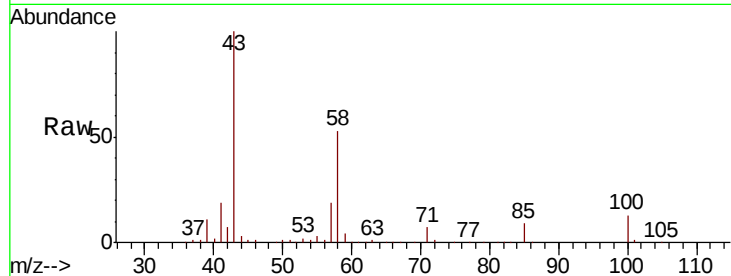




#49
2-Hexanone
Concen: 57.222 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

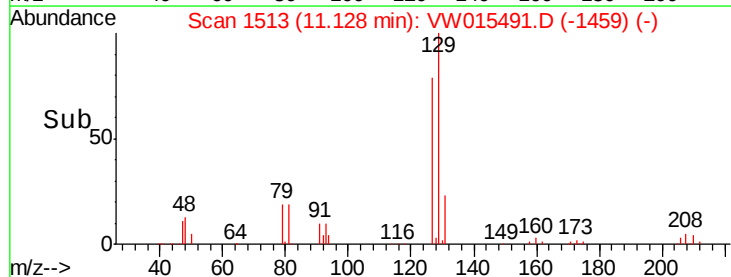
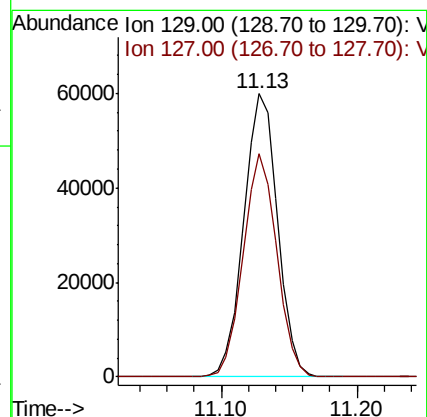
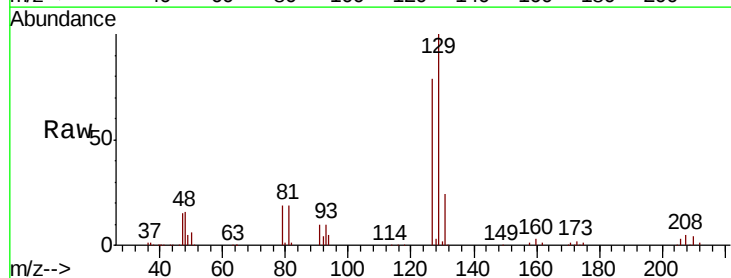
Instrument :
MSVOA_W
ClientSampleId :

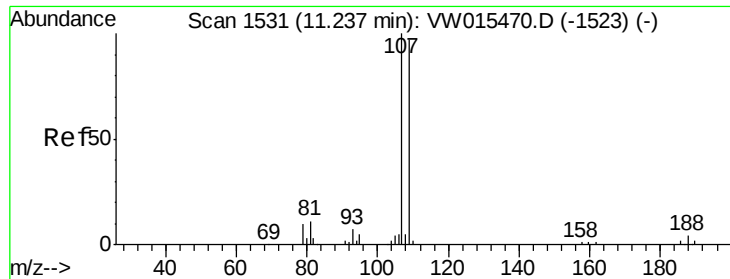
Tot Ion: 43 Resp: 103177
Ion Ratio Lower Upper
43 100
58 52.5 42.6 64.0
57 19.1 15.5 23.3
100 12.7 10.3 15.5



#50
Dibromochloromethane
Concen: 26.953 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

Tgt Ion: 129 Resp: 104403
Ion Ratio Lower Upper
129 100
127 78.7 53.0 98.4

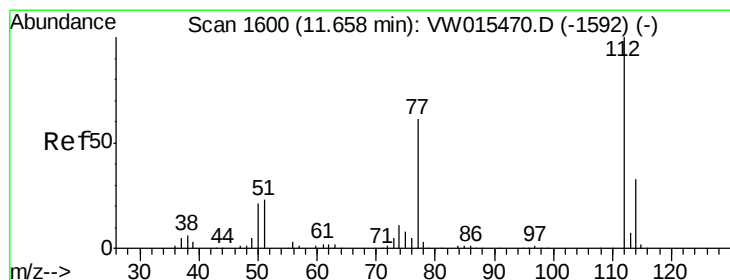
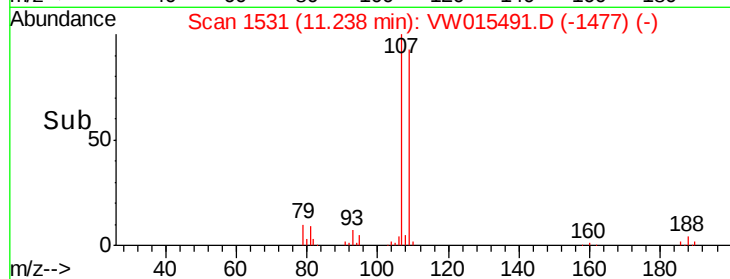
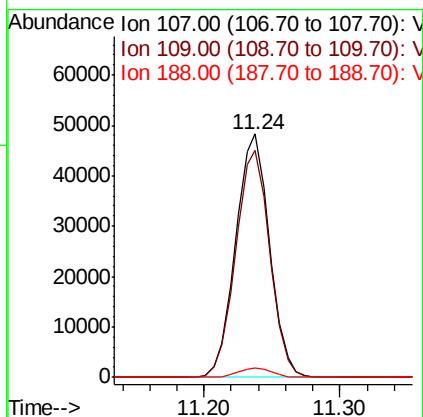
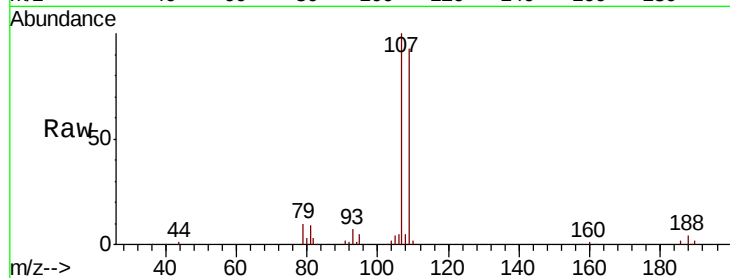




#51
1,2-Dibromoethane
Concen: 27.453 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

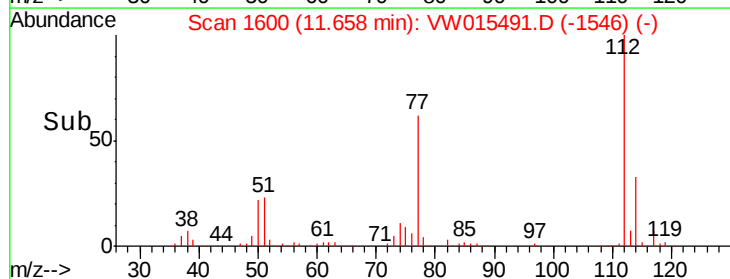
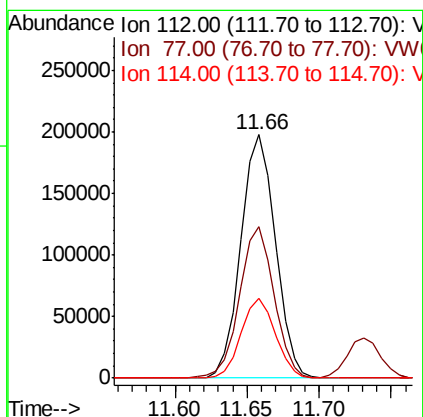
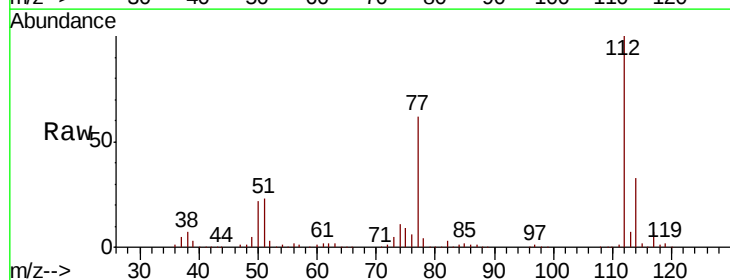
Instrument :
MSVOA_W
ClientSampleId :

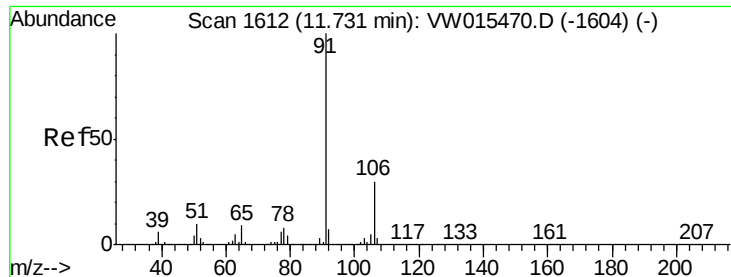
Tot Ion:107 Resp: 84028
Ion Ratio Lower Upper
107 100
109 93.1 64.6 120.0
188 4.1 2.8 4.2



#52
Chlorobenzene
Concen: 26.107 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015491.D
Acq: 26 May 2020 23:07

Tgt Ion:112 Resp: 330142
Ion Ratio Lower Upper
112 100
77 62.5 49.7 74.5
114 32.7 21.8 40.6





#53

Ethylbenzene

Concen: 26.165 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

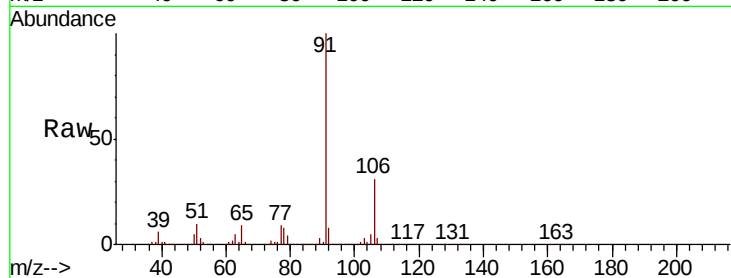
ClientSampleId :

Tot Ion: 91 Resp: 605731

Ion Ratio Lower Upper

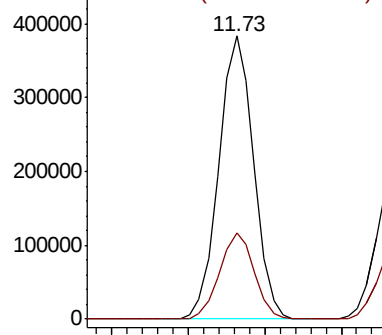
91 100

106 30.6 21.3 39.6

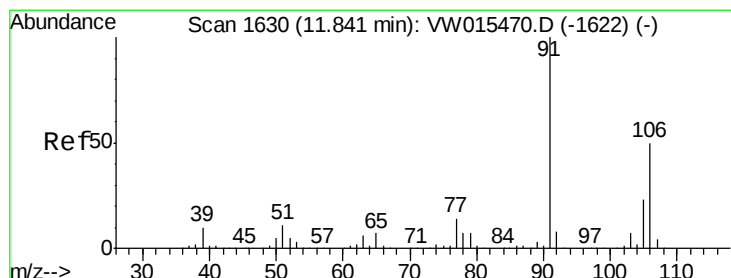
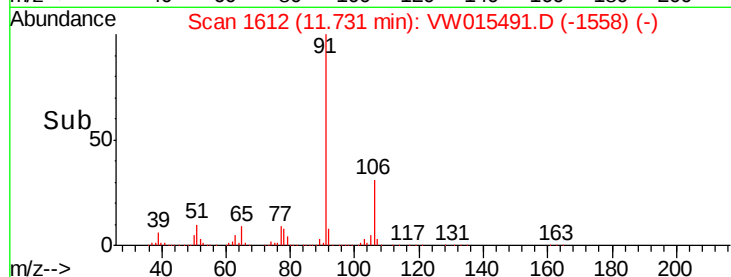


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



Time-->



#54

m,p-Xylene

Concen: 26.528 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015491.D

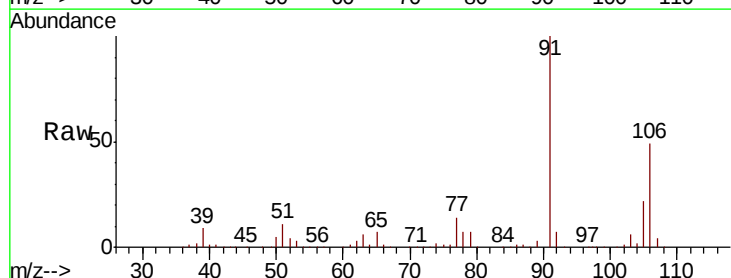
Acq: 26 May 2020 23:07

Tgt Ion:106 Resp: 230443

Ion Ratio Lower Upper

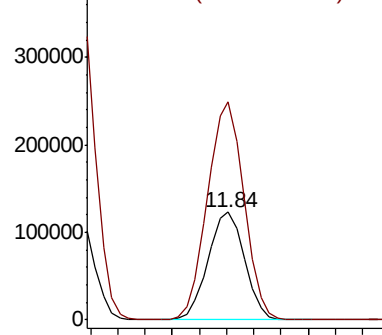
106 100

91 202.9 142.6 264.8

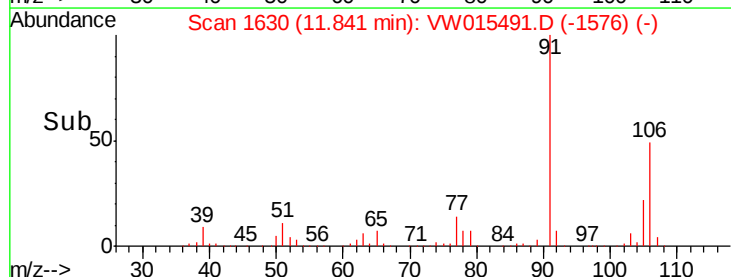


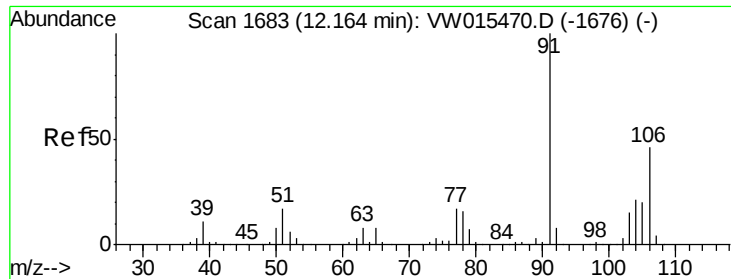
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->





#55

o-xylene

Concen: 26.596 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

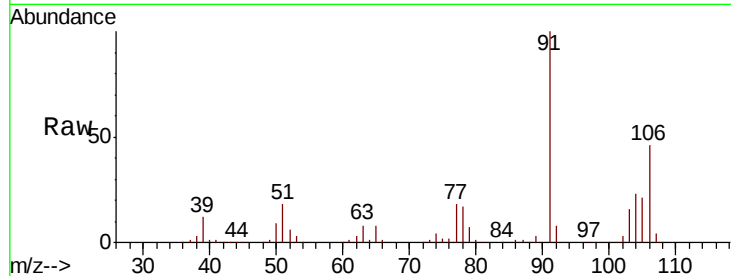
ClientSampled :

Tot Ion:106 Resp: 219300

Ion Ratio Lower Upper

106 100

91 215.8 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

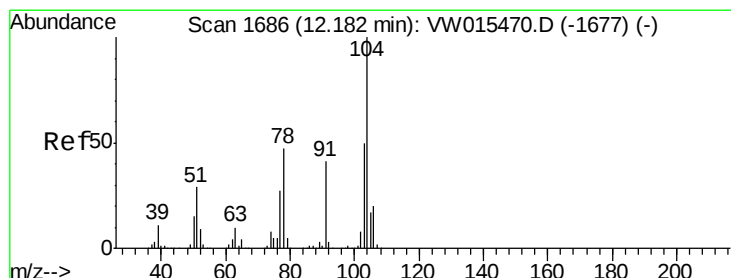
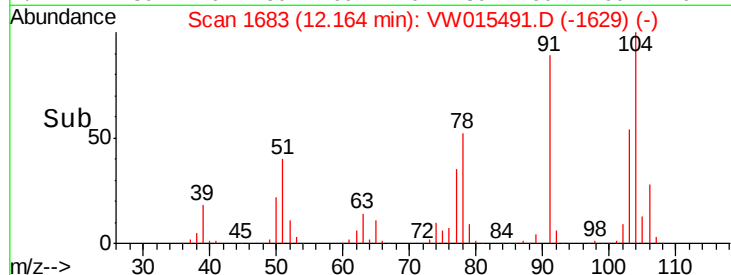
200000

100000

0

12.10 12.15 12.20

Time-->



#56

Styrene

Concen: 26.731 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015491.D

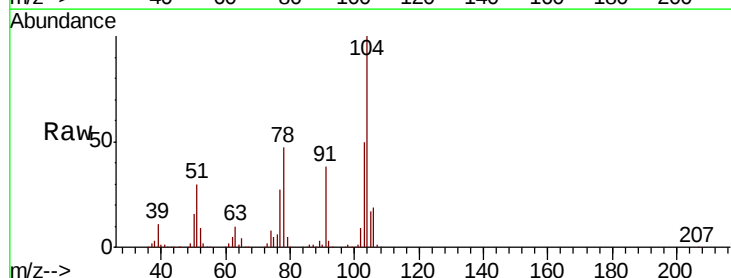
Acq: 26 May 2020 23:07

Tgt Ion:104 Resp: 376629

Ion Ratio Lower Upper

104 100

78 47.4 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

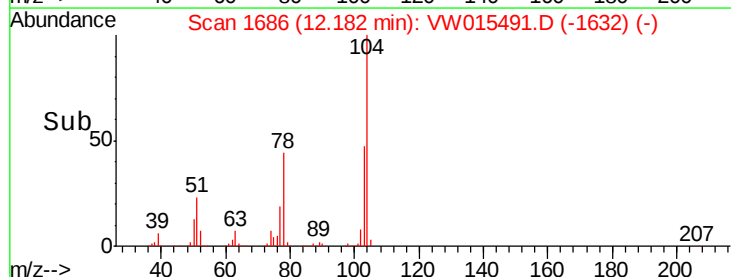
100000

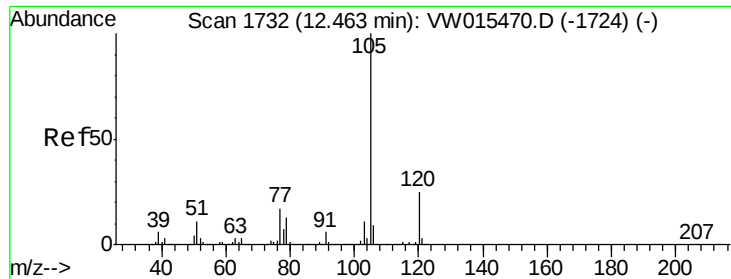
50000

0

12.10 12.20 12.30

Time-->





#57

Isopropylbenzene

Concen: 25.842 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

ClientSampled :

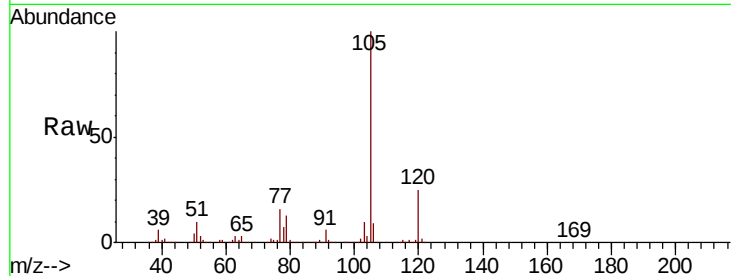
Tot Ion:105 Resp: 593588

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

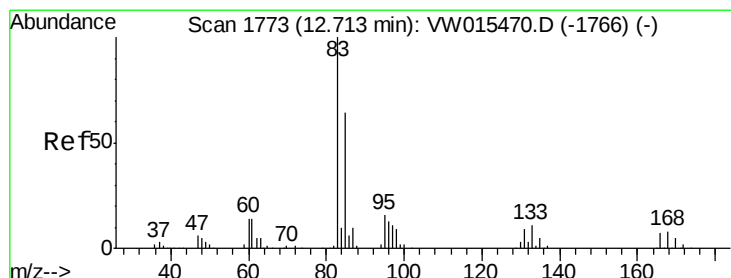
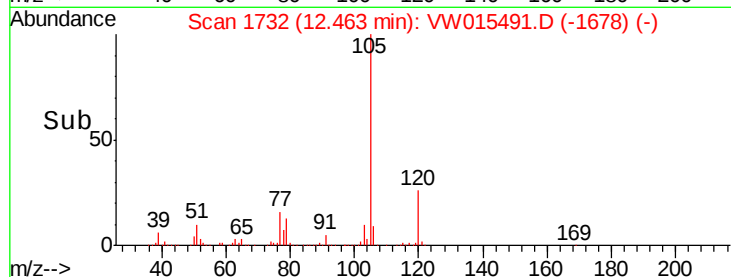
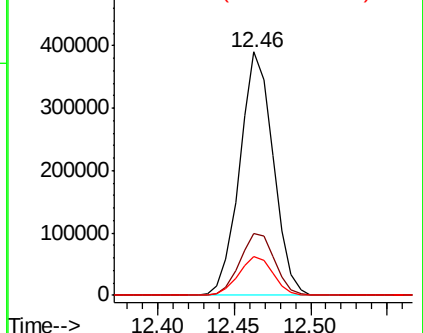
77 16.3 13.0 19.6



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: 28.232 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

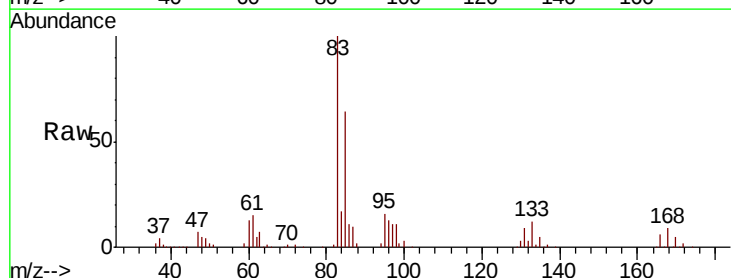
Tgt Ion: 83 Resp: 104204

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

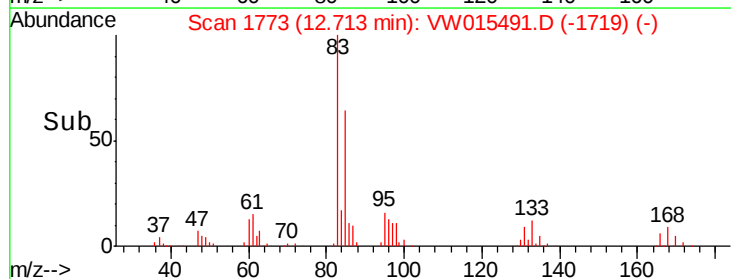
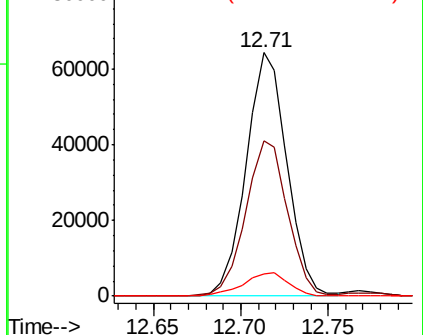
131 9.1 9.1 13.7#

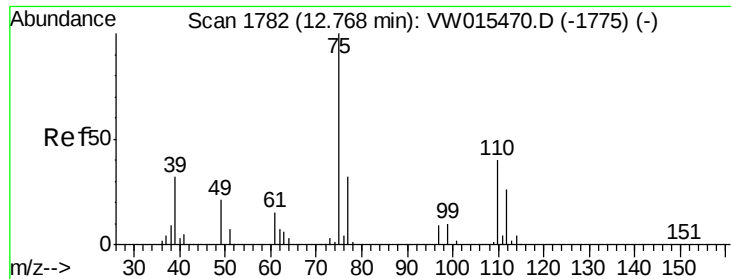


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.947 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

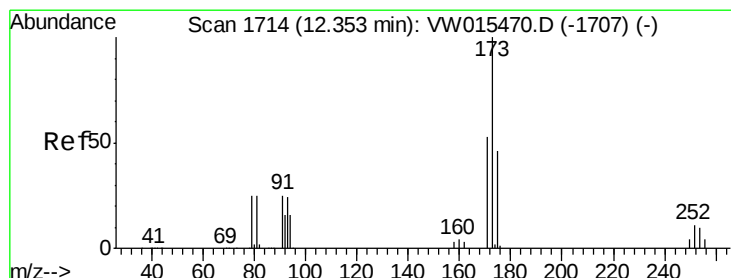
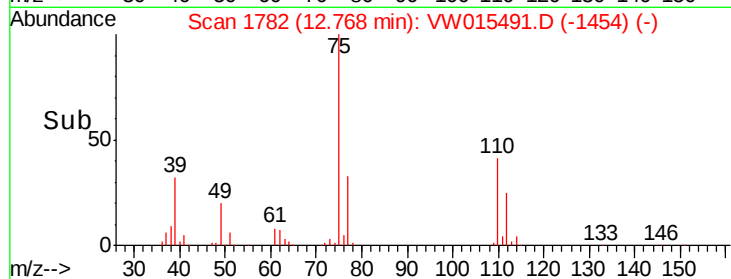
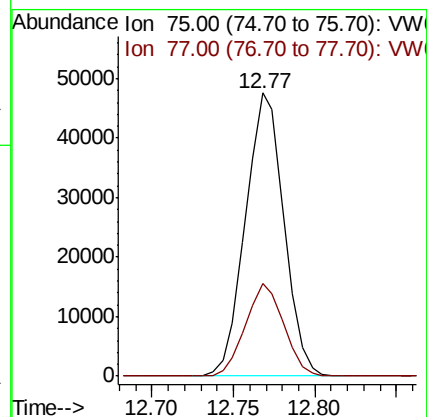
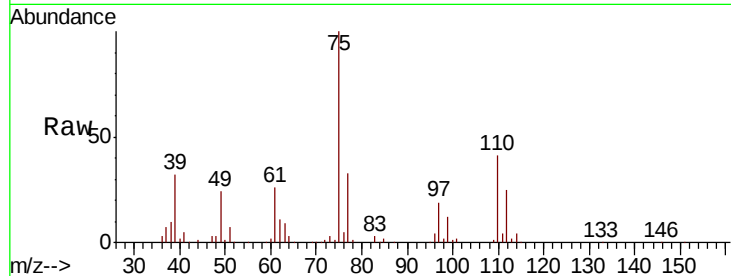
ClientSampled :

Tot Ion: 75 Resp: 78216

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#62

Bromoform

Concen: 26.985 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

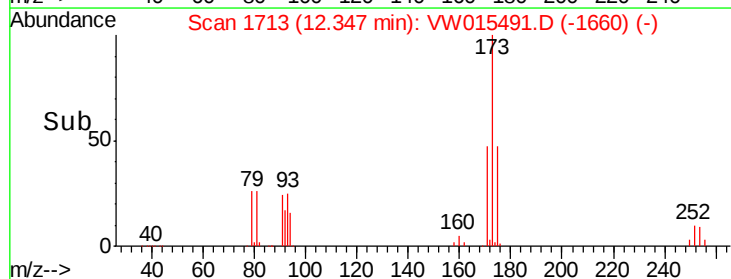
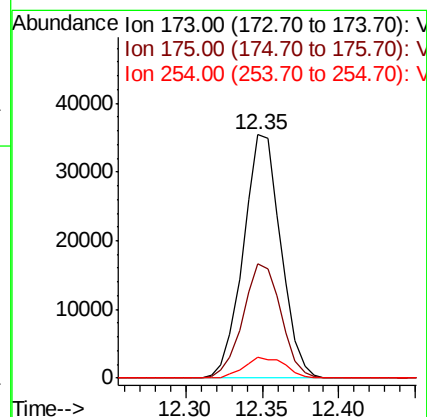
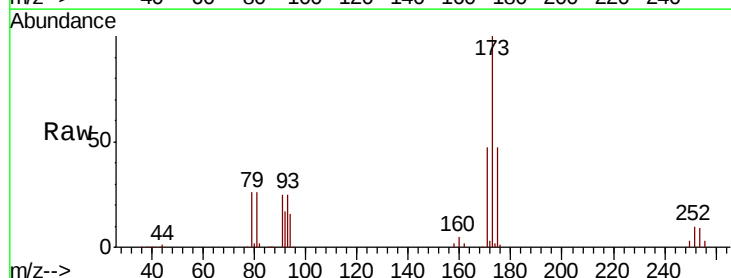
Tgt Ion: 173 Resp: 60373

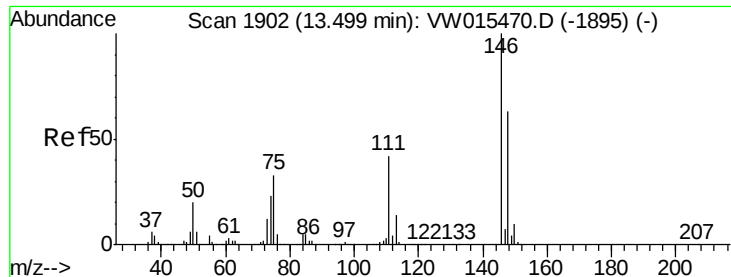
Ion Ratio Lower Upper

173 100

175 47.6 37.9 56.9

254 9.4 6.8 10.2

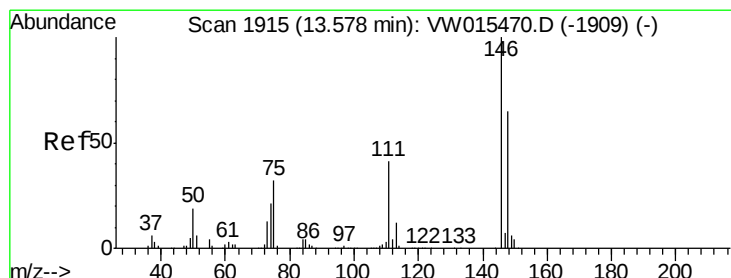
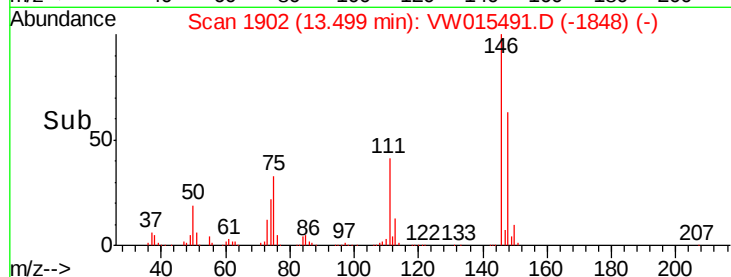
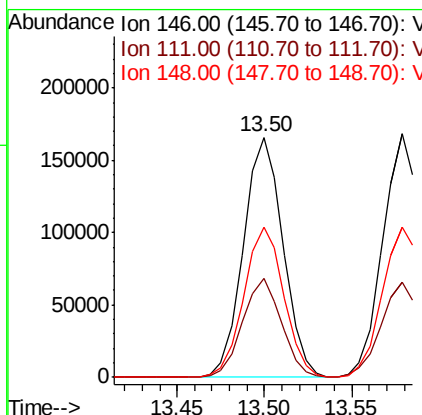
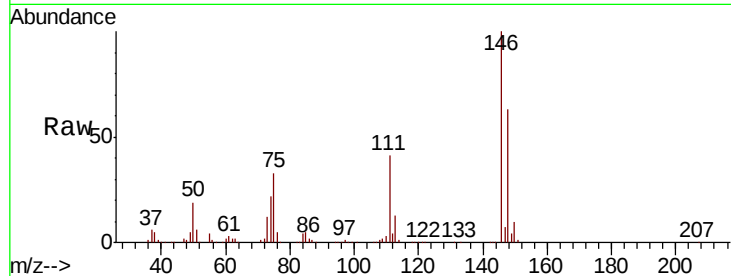




#63
 1,3-Dichlorobenzene
 Concen: 26.554 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015491.D
 Acq: 26 May 2020 23:07

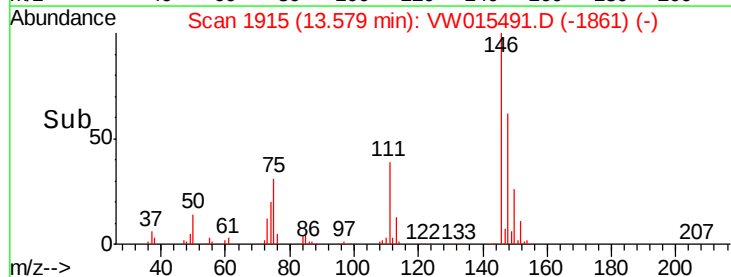
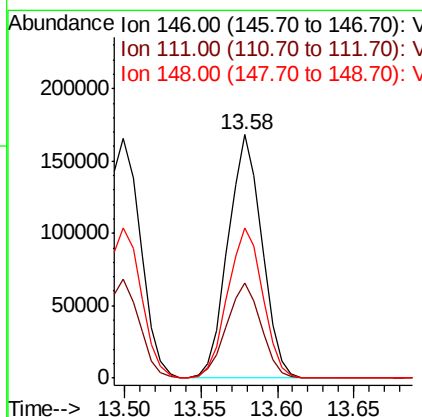
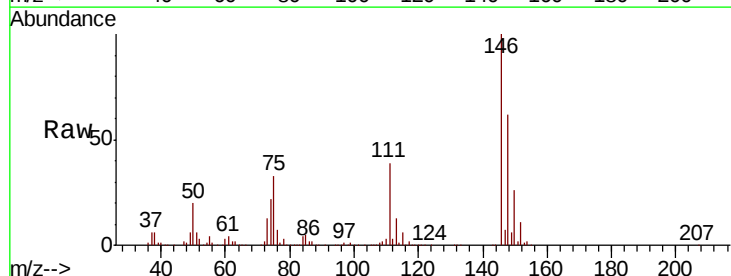
Instrument :
 MSVOA_W
 ClientSampleId :

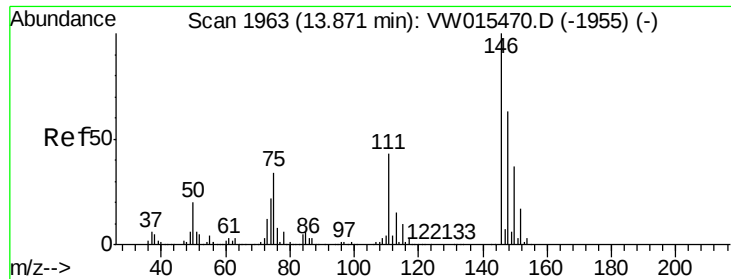
Tot Ion:146 Resp: 260912
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.3 54.5
 148 62.9 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 26.886 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015491.D
 Acq: 26 May 2020 23:07

Tgt Ion:146 Resp: 258845
 Ion Ratio Lower Upper
 146 100
 111 38.9 28.1 52.1
 148 61.6 43.3 80.3





#65

1,2-Dichlorobenzene

Concen: 27.032 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

ClientSampleId :

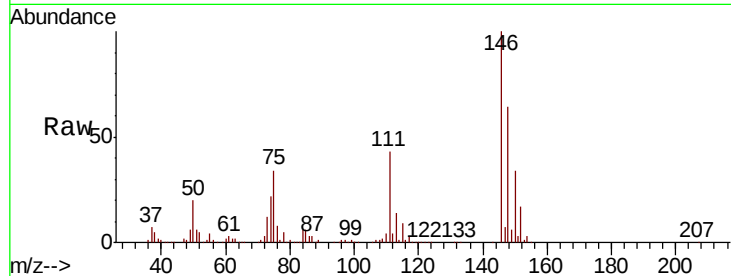
Tot Ion:146 Resp: 230815

Ion Ratio Lower Upper

146 100

111 42.7 34.9 52.3

148 63.6 51.8 77.8

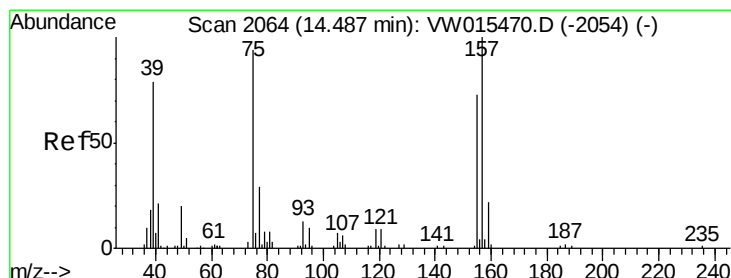
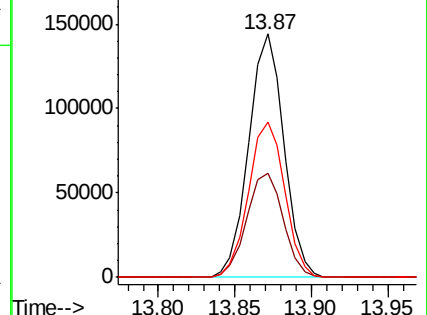
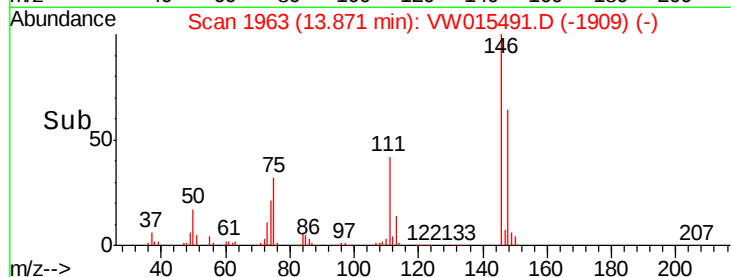


Abundance

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: 27.743 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

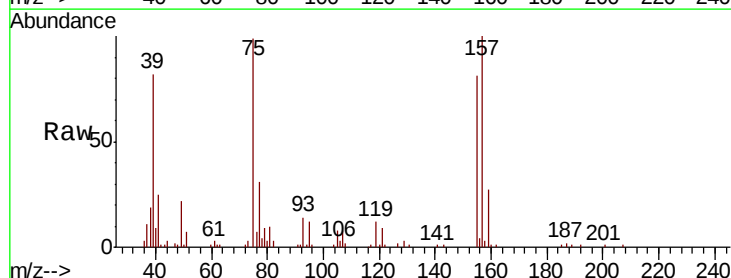
Tgt Ion: 75 Resp: 17970

Ion Ratio Lower Upper

75 100

157 101.0 87.4 131.0

155 82.2 64.6 96.8

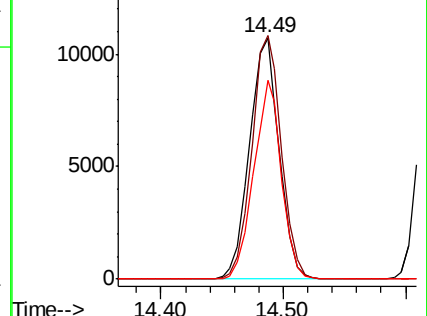
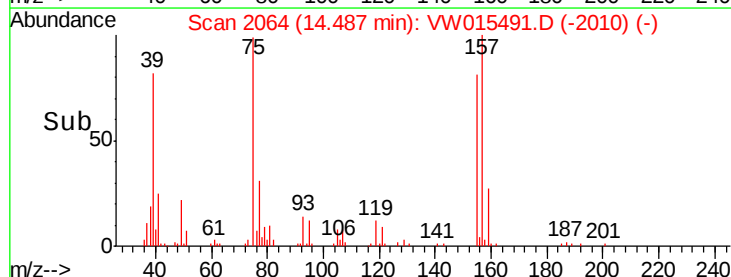


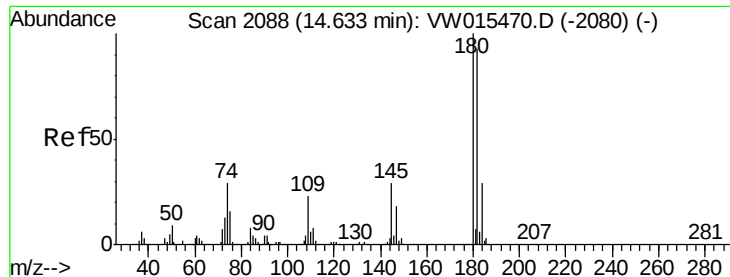
Abundance

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

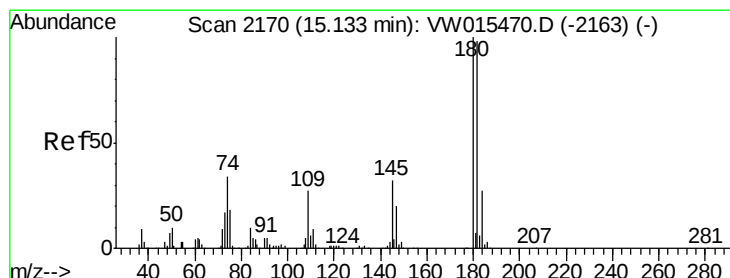
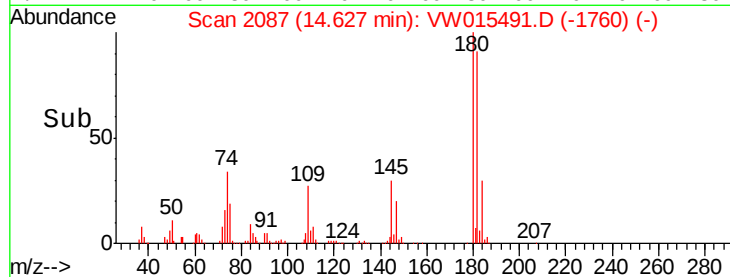
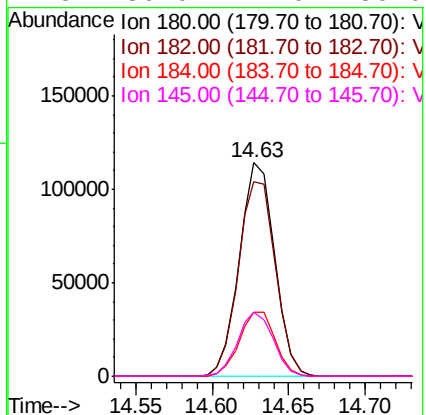
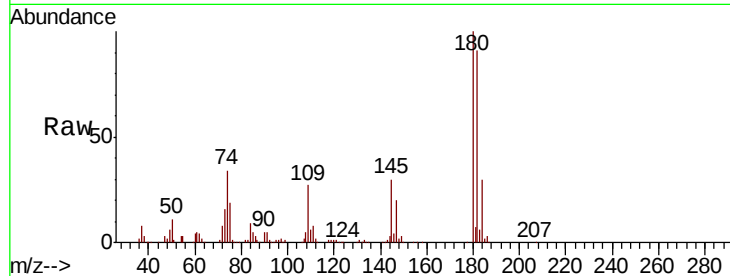




#67
 1,3,5-Trichlorobenzene
 Concen: 27.002 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015491.D
 Acq: 26 May 2020 23:07

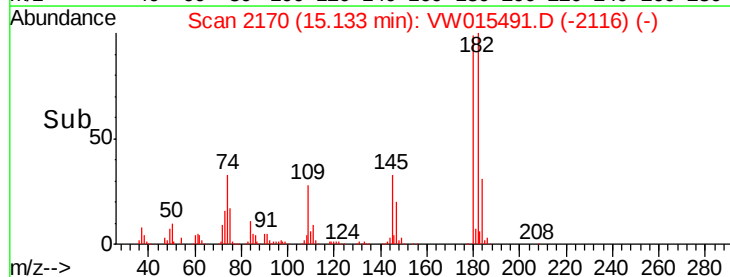
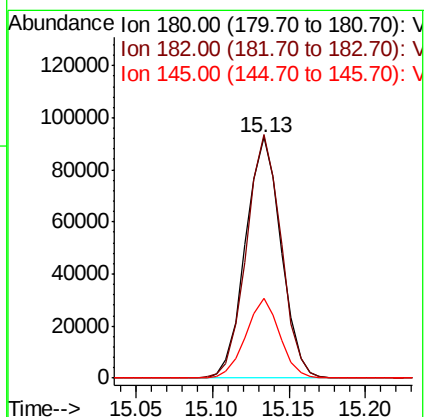
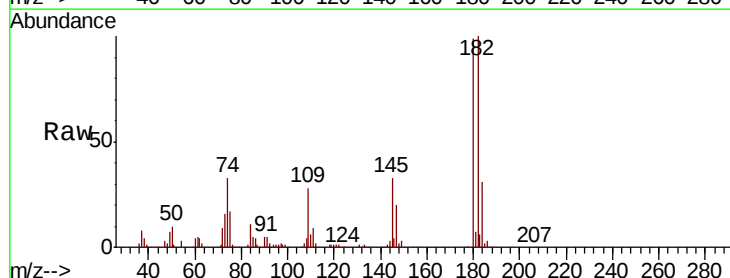
Instrument :
 MSVOA_W
 ClientSampleId :

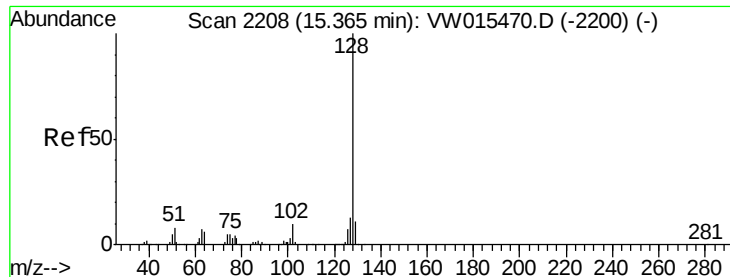
Tot Ion:180	Resp:	183682
Ion Ratio	Lower	Upper
180	100	
182	95.2	76.6 114.8
184	30.6	24.4 36.6
145	30.0	24.0 36.0



#68
 1,2,4-trichlorobenzene
 Concen: 27.327 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015491.D
 Acq: 26 May 2020 23:07

Tgt Ion:180	Resp:	149722
Ion Ratio	Lower	Upper
180	100	
182	98.4	76.1 114.1
145	31.8	25.2 37.8





#69

Naphthalene

Concen: 30.267 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

Instrument :

MSVOA_W

ClientSampleId :

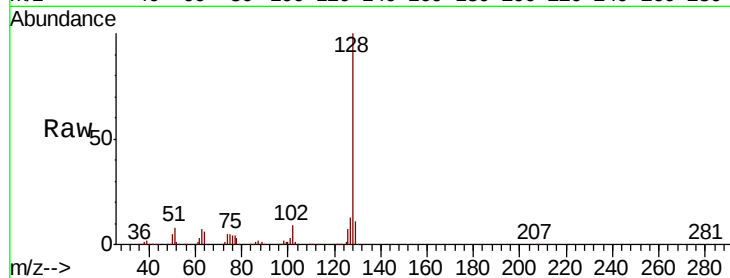
Tot Ion:128 Resp: 301110

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

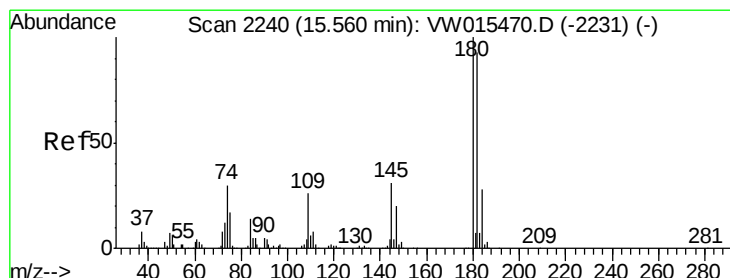
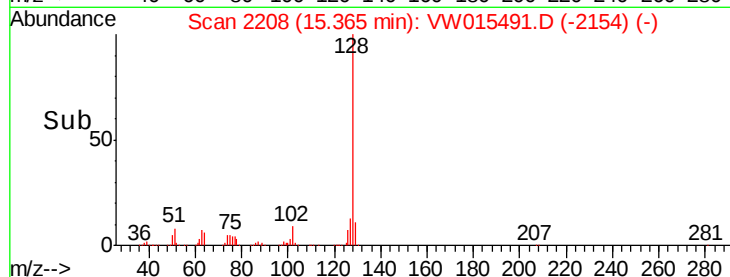
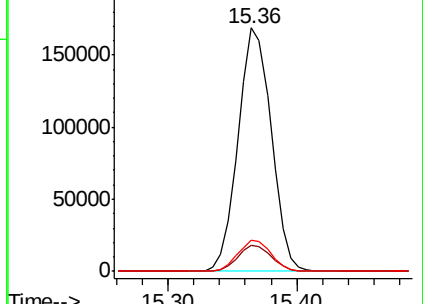
127 12.9 10.6 15.8



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: 29.362 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015491.D

Acq: 26 May 2020 23:07

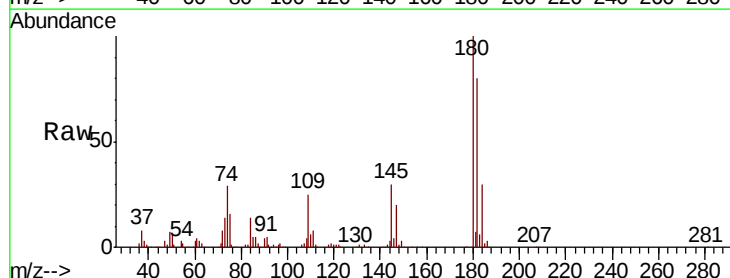
Tgt Ion:180 Resp: 136861

Ion Ratio Lower Upper

180 100

182 90.7 75.4 113.2

145 32.8 26.7 40.1



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

