

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102620\
 Data File : VW017002.D
 Acq On : 26 Oct 2020 16:33
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Oct 27 08:26:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 27 08:16:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	454950	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	424721	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	215621	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	114948	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
7) Chloroethane-d5	2.89	69	94790	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.20%
10) 1,1-Dichloroethene-d2	4.03	63	240891	23.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.36%
20) 2-Butanone-d5	7.08	46	68428	69.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.36%#
24) Chloroform-d	7.65	84	259045	24.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.76%
26) 1,2-Dichloroethane-d4	8.31	65	128516	26.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.08%
29) Benzene-d6	8.28	84	517412	23.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.88%
33) 1,2-Dichloropropane-d6	9.27	67	143481	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
37) Toluene-d8	10.32	98	493557	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloropropene-	10.58	79	66643	26.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.64%
39) 2-Hexanone-d5	10.93	63	59962	72.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	145.04%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133975	29.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	191975	25.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	130255	25.101	ug/L 100
3) Chloromethane	2.21	50	99751	22.271	ug/L 99
5) Vinyl chloride	2.37	62	165413	25.214	ug/L 99
6) Bromomethane	2.78	94	107180	24.056	ug/L 98
8) Chloroethane	2.93	64	94789	25.107	ug/L 98
9) Trichlorofluoromethane	3.26	101	118780	22.828	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	166788	26.595	ug/L 99
12) 1,1-Dichloroethene	4.05	96	155039	26.033	ug/L 92
13) Acetone	4.12	43	43996	66.104	ug/L 97
14) Carbon disulfide	4.39	76	445588	24.680	ug/L 100
15) Methyl Acetate	4.67	43	58275	33.537	ug/L 100
16) Methylene chloride	4.93	84	151379	25.166	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	178871	27.553	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	159745	25.647	ug/L 98
19) 1,1-Dichloroethane	6.22	63	249733	26.181	ug/L 99
21) 2-Butanone	7.17	43	74542	66.924	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	166874	26.500	ug/L 98

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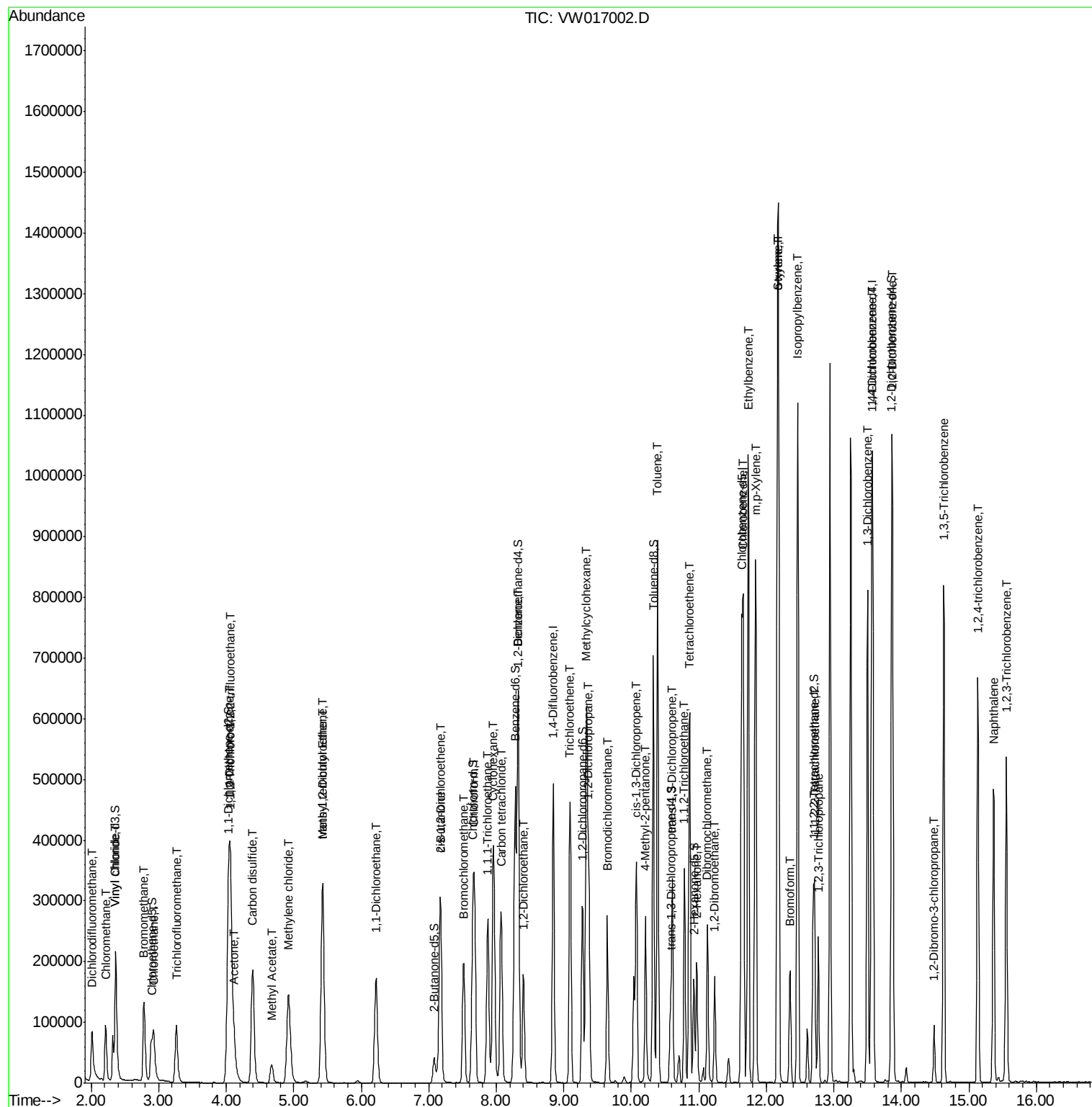
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	79597	27.382	ug/L	97
25) Chloroform	7.68	83	270874	26.675	ug/L	99
27) 1,2-Dichloroethane	8.40	62	160955	27.834	ug/L	98
30) Cyclohexane	7.96	56	230717	25.969	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	236067	25.673	ug/L	99
32) Carbon tetrachloride	8.07	117	223668	25.342	ug/L	99
34) Benzene	8.33	78	598665	25.515	ug/L	100
35) Trichloroethene	9.09	95	165180	25.419	ug/L	99
36) Methylcyclohexane	9.34	83	283499	25.978	ug/L	99
40) 1,2-Dichloropropane	9.37	63	138347	26.403	ug/L	99
41) Bromodichloromethane	9.65	83	190826	26.832	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	221941	27.087	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	164737	66.324	ug/L	98
44) Toluene	10.39	91	670436	26.373	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	193006	28.435	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	118187	28.179	ug/L	98
47) Tetrachloroethene	10.87	164	152922	25.583	ug/L	93
49) 2-Hexanone	10.97	43	115506	72.968	ug/L	99
50) Dibromochloromethane	11.13	129	142698	27.928	ug/L	97
51) 1,2-Dibromoethane	11.24	107	117083	29.281	ug/L	99
52) Chlorobenzene	11.66	112	444130	26.135	ug/L	99
53) Ethylbenzene	11.73	91	735527	25.764	ug/L	98
54) m,p-Xylene	11.84	106	291911	25.990	ug/L	95
55) o-xylene	12.16	106	279861	26.899	ug/L	92
56) Styrene	12.18	104	468255	26.903	ug/L	99
57) Isopropylbenzene	12.46	105	763289	26.523	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	141051	31.332	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	102143	31.705	ug/L	99
62) Bromoform	12.35	173	89214	29.444	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	353979	25.443	ug/L	90
64) 1,4-Dichlorobenzene	13.58	146	363545	26.213	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	328085	26.732	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	22243	33.316	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	279920	27.489	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	226462	28.692	ug/L	98
69) Naphthalene	15.36	128	443267	34.623	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	204659	29.755	ug/L	100

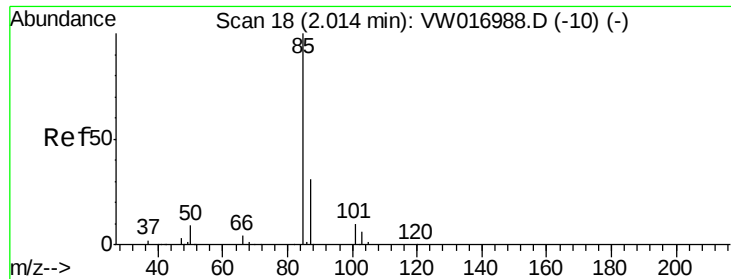
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.101 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

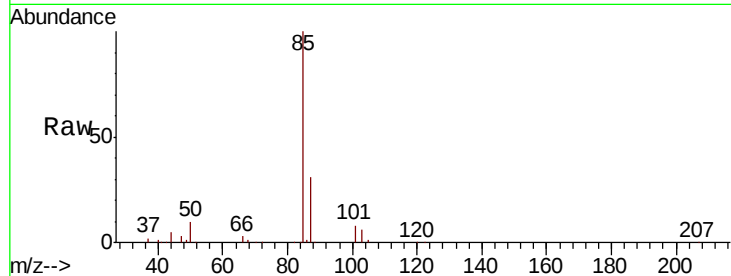
VSTD02525

Tot Ion: 85 Resp: 130255

Ion Ratio Lower Upper

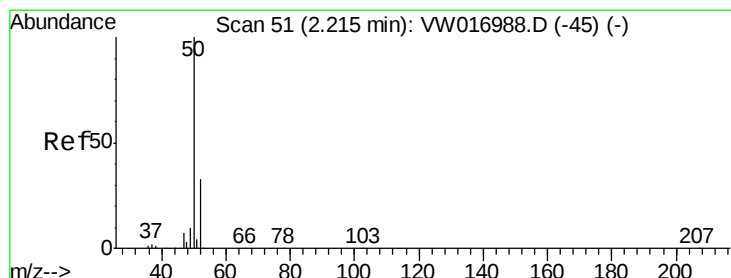
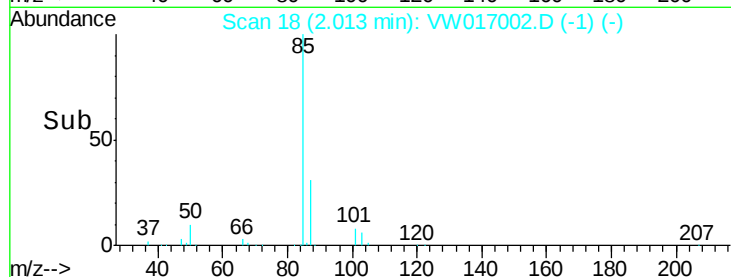
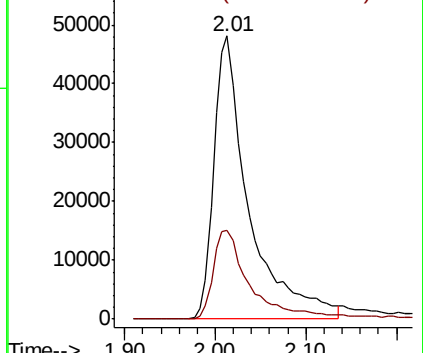
85 100

87 32.1 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.271 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017002.D

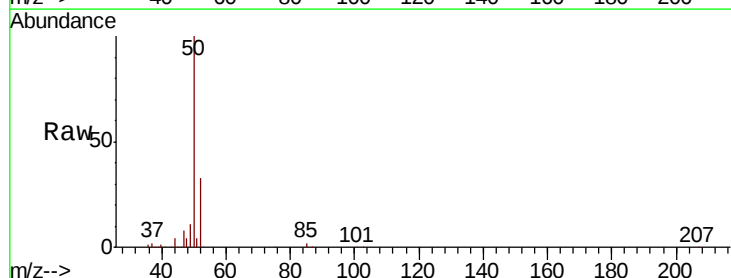
Acq: 26 Oct 2020 16:33

Tgt Ion: 50 Resp: 99751

Ion Ratio Lower Upper

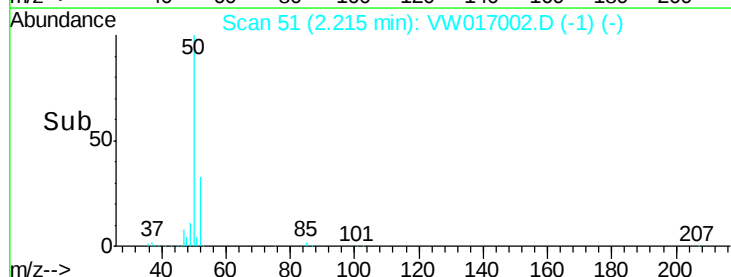
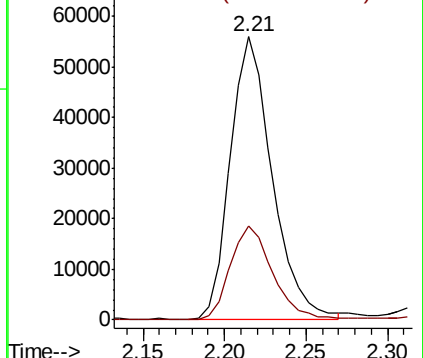
50 100

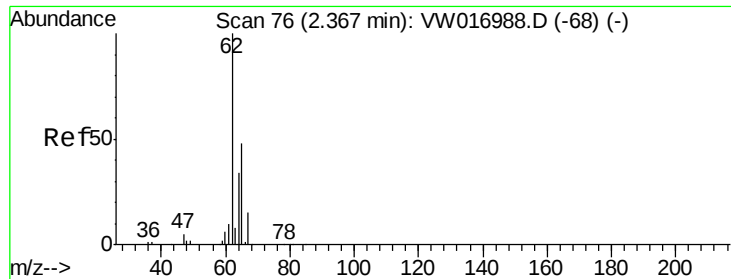
52 33.3 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.214 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

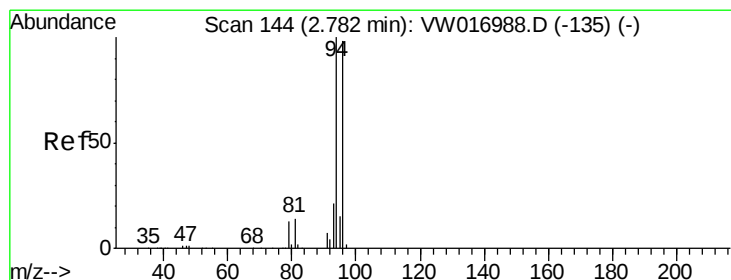
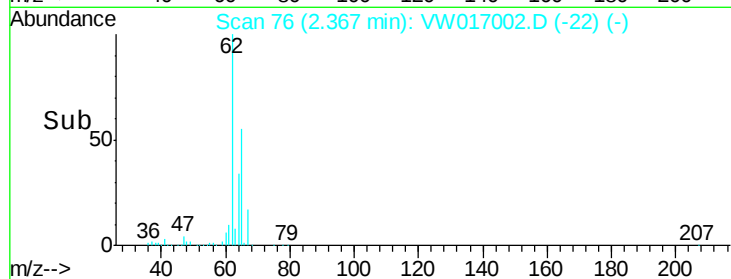
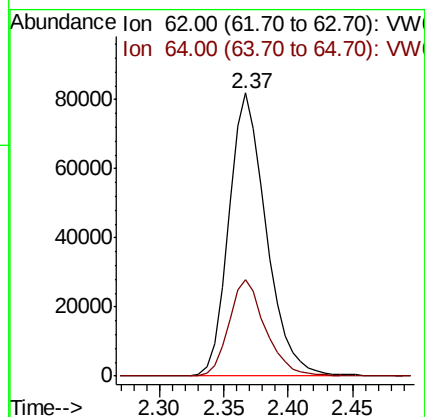
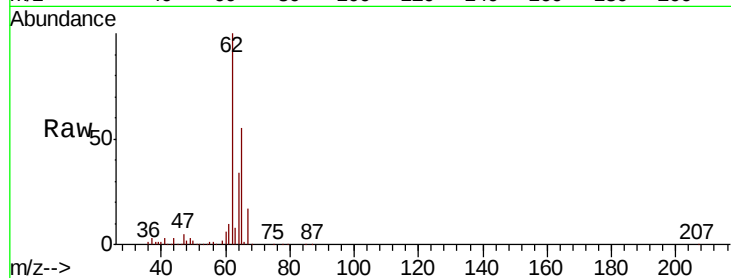
VSTD02525

Tot Ion: 62 Resp: 165413

Ion Ratio Lower Upper

62 100

64 33.9 24.1 44.7



#6

Bromomethane

Concen: 24.056 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017002.D

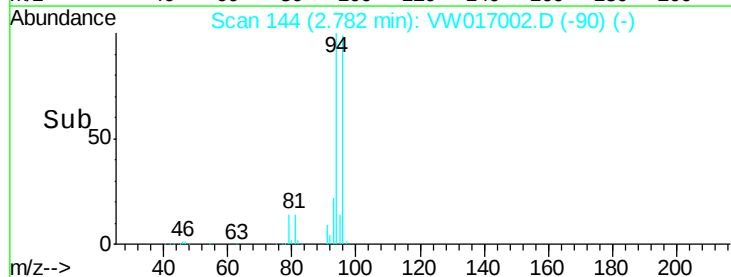
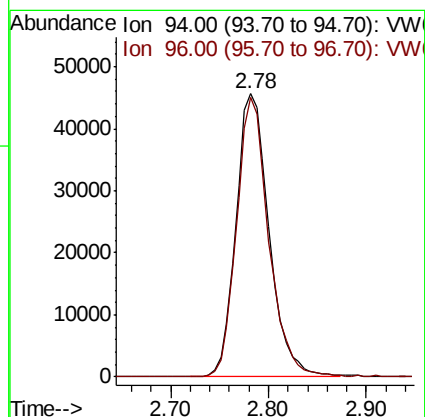
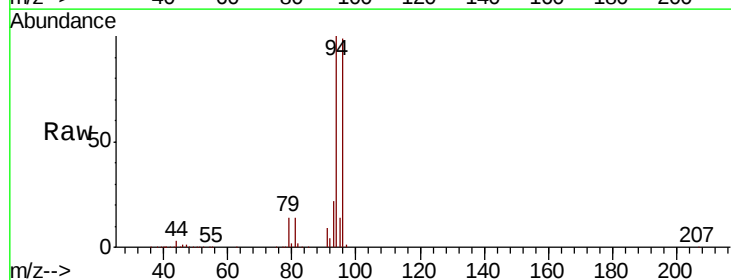
Acq: 26 Oct 2020 16:33

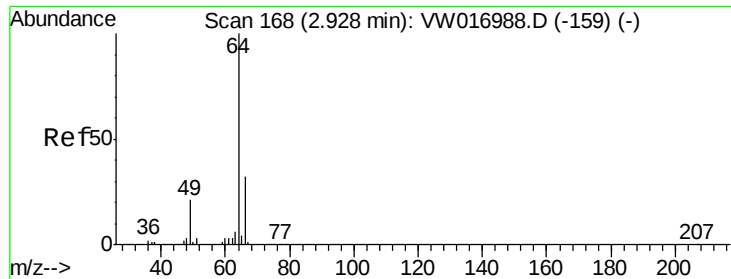
Tgt Ion: 94 Resp: 107180

Ion Ratio Lower Upper

94 100

96 95.8 9.4 178.8

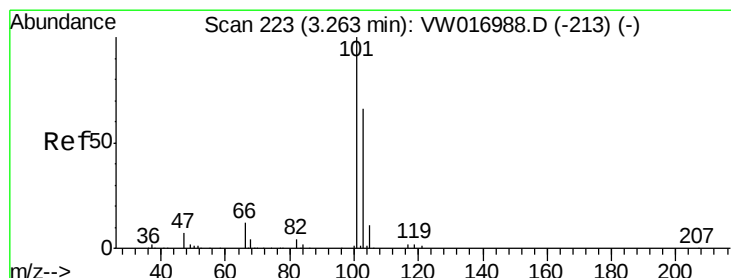
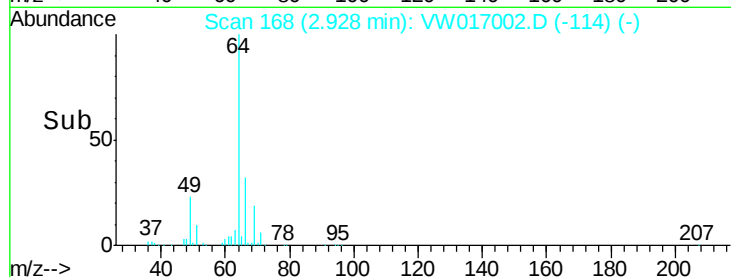
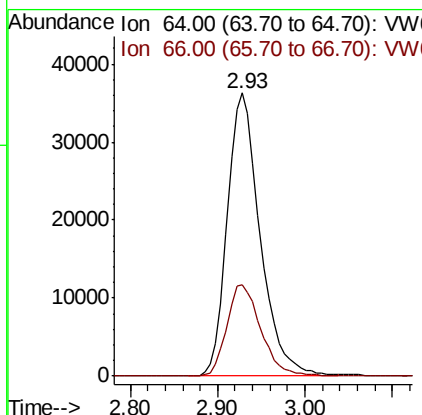
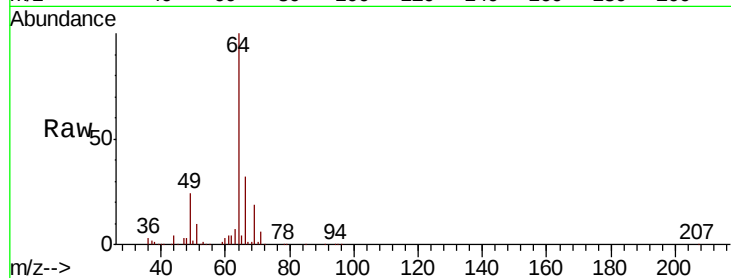




#8
Chloroethane
Concen: 25.107 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

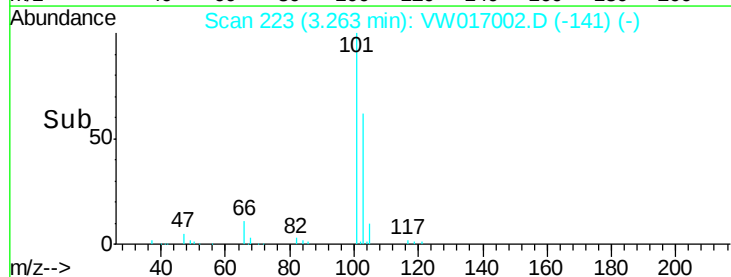
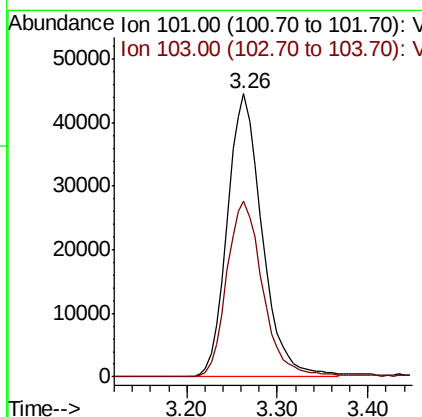
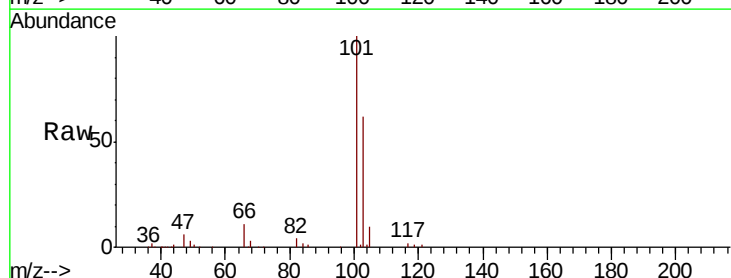
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VSTD02525

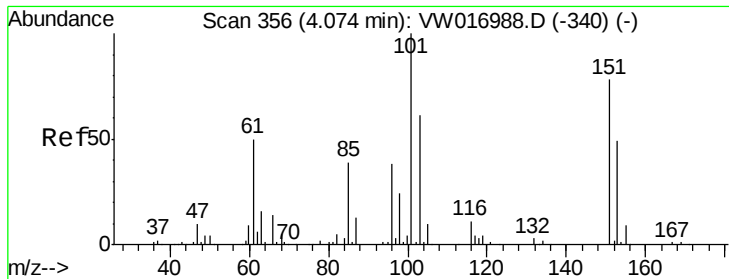
Tot Ion: 64 Resp: 94789
Ion Ratio Lower Upper
64 100
66 32.2 23.4 43.6



#9
Trichlorofluoromethane
Concen: 22.828 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion: 101 Resp: 118780
Ion Ratio Lower Upper
101 100
103 63.7 44.9 83.5





#11

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

Concen: 26.595 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

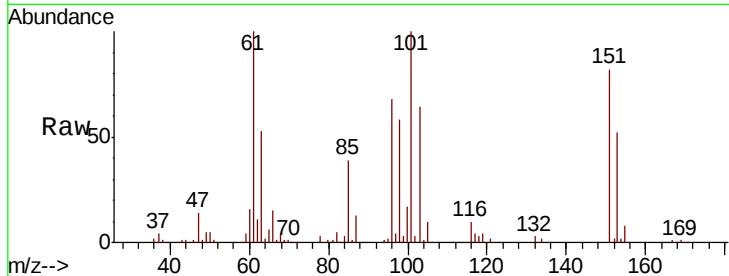
Tot Ion:101 Resp: 166788

Ion Ratio Lower Upper

101 100

85 39.1 32.5 48.7

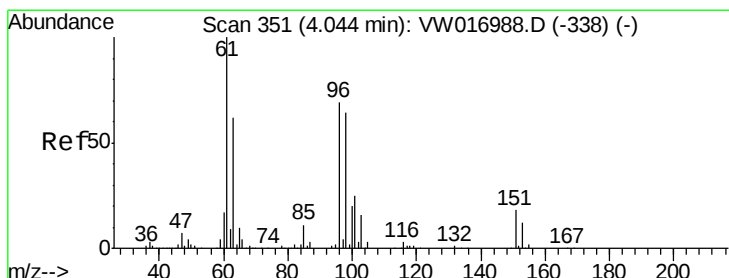
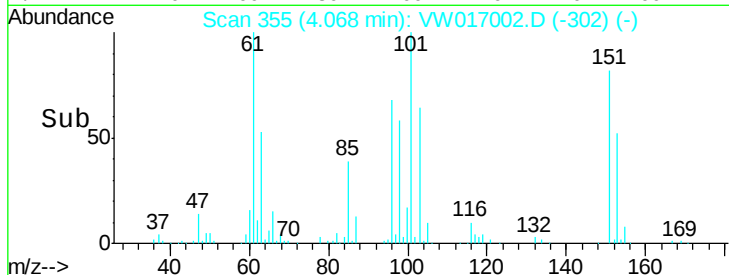
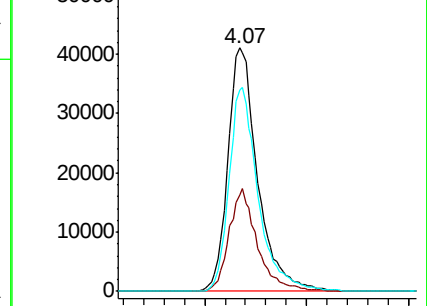
151 81.8 65.7 98.5



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: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

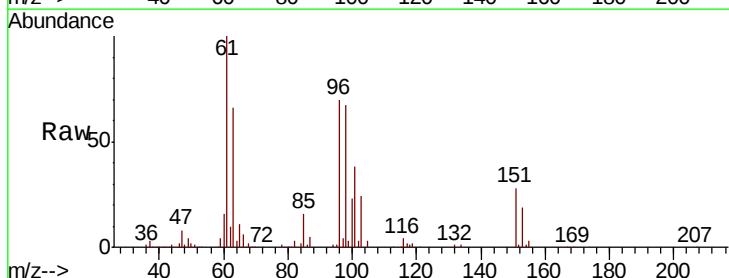
Tgt Ion: 96 Resp: 155039

Ion Ratio Lower Upper

96 100

61 143.8 101.4 188.4

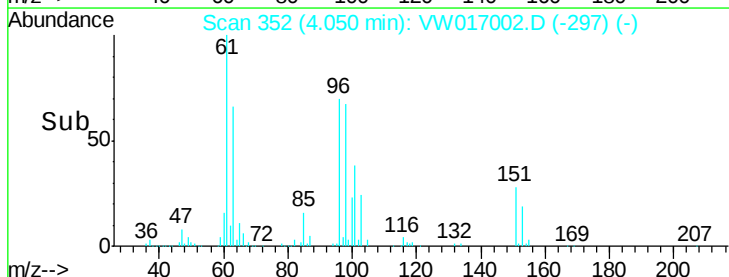
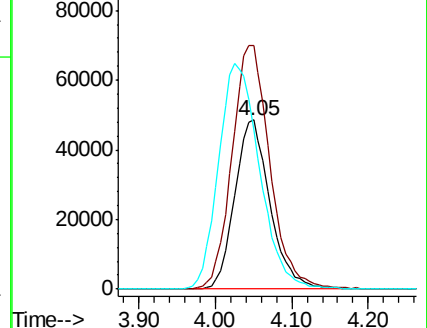
63 94.3 78.5 145.9

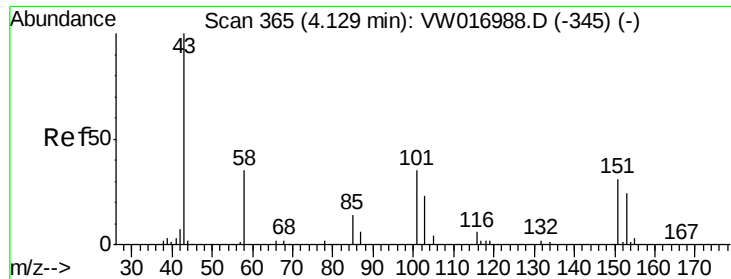


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

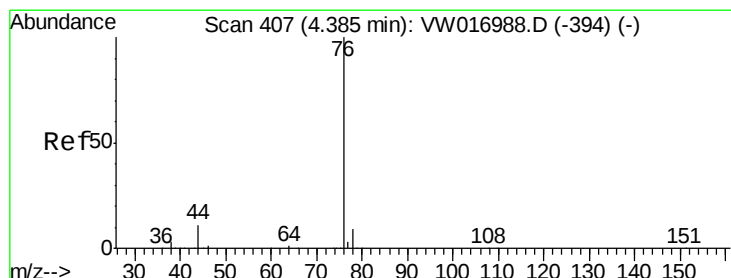
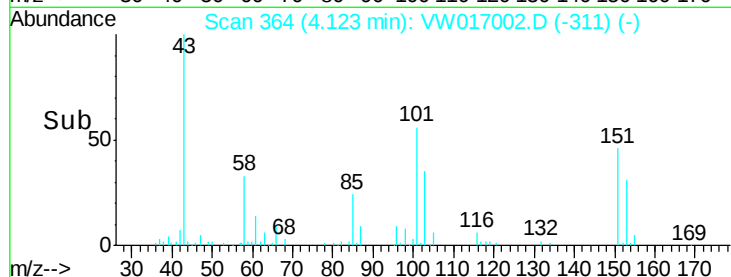
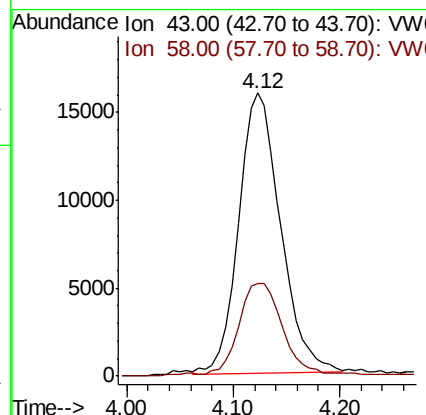
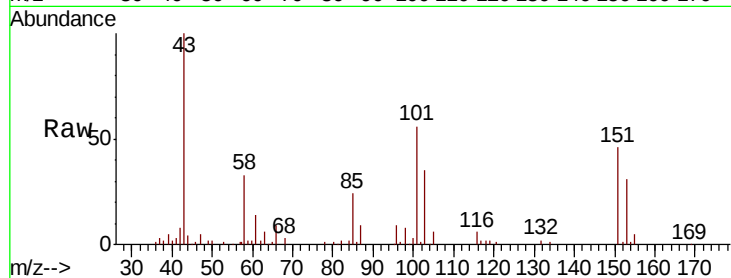




#13
Acetone
Concen: 66.104 ug/L
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

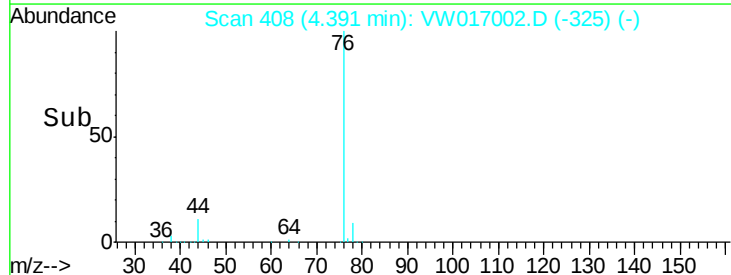
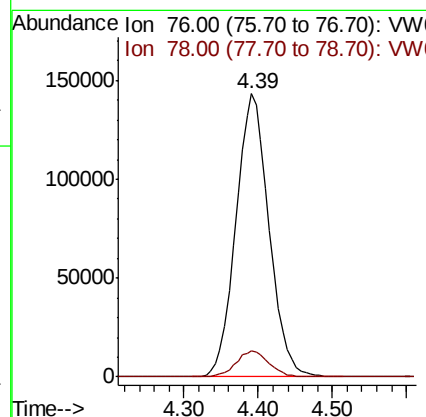
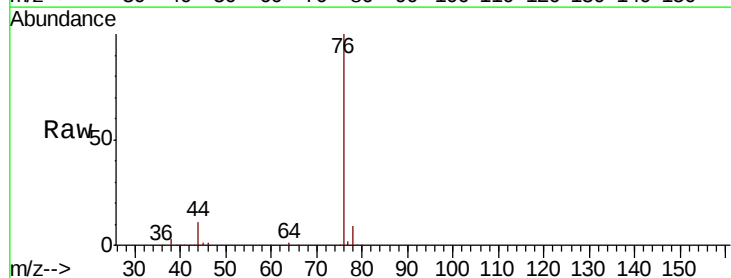
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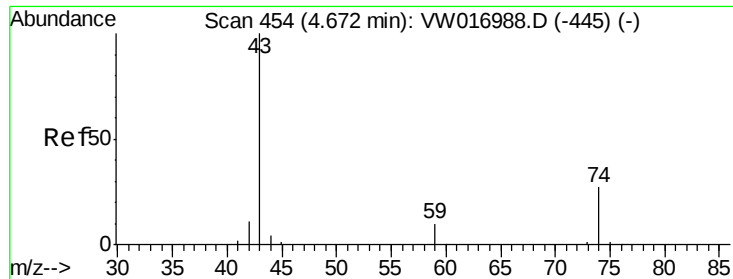
Tot Ion: 43 Resp: 43996
Ion Ratio Lower Upper
43 100
58 33.3 0.0 69.8



#14
Carbon disulfide
Concen: 24.680 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion: 76 Resp: 445588
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9





#15

Methvl Acetate

Concen: 33.537 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

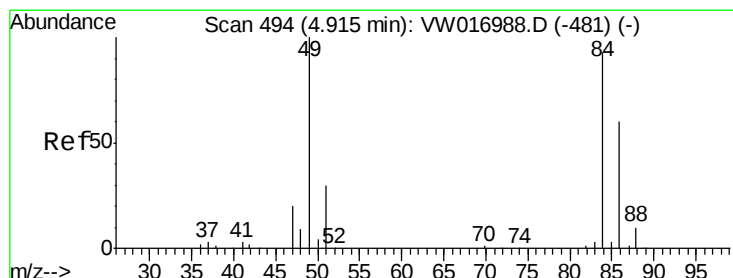
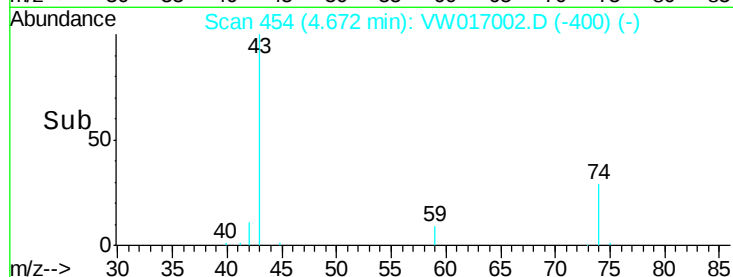
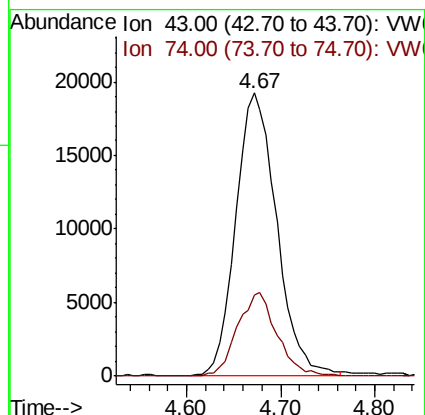
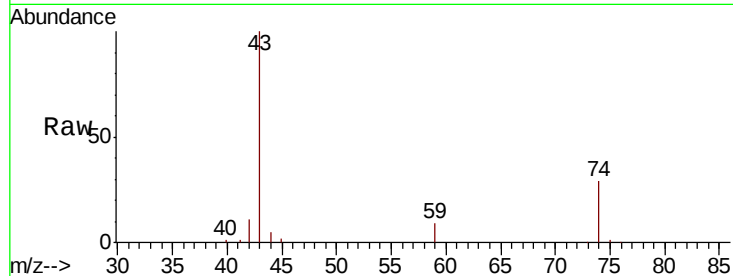
VSTD02525

Tot Ion: 43 Resp: 58275

Ion Ratio Lower Upper

43 100

74 28.4 22.8 34.2



#16

Methylene chloride

Concen: 25.166 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

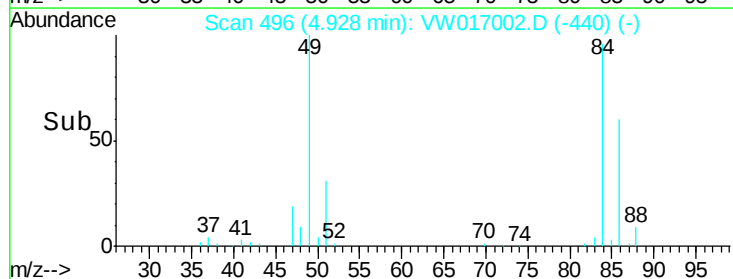
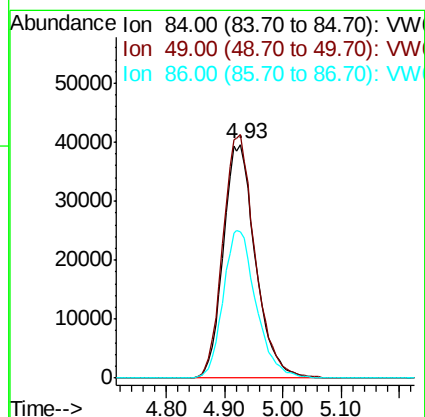
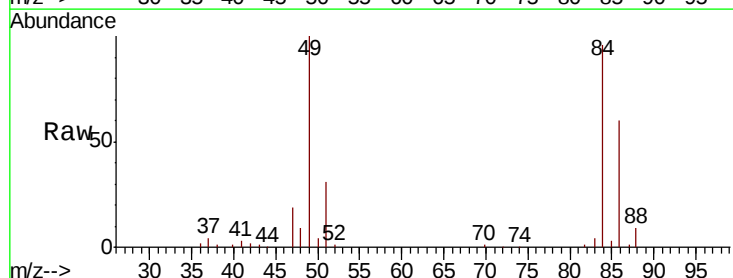
Tgt Ion: 84 Resp: 151379

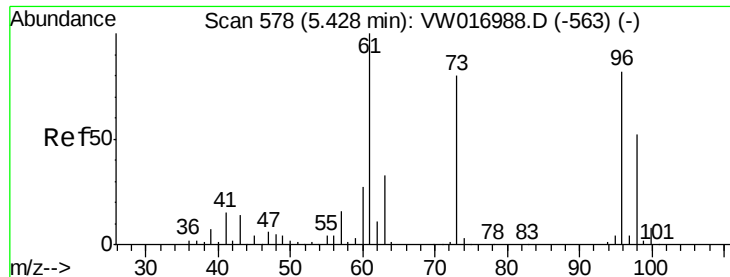
Ion Ratio Lower Upper

84 100

49 104.1 73.8 137.0

86 62.8 47.4 88.0

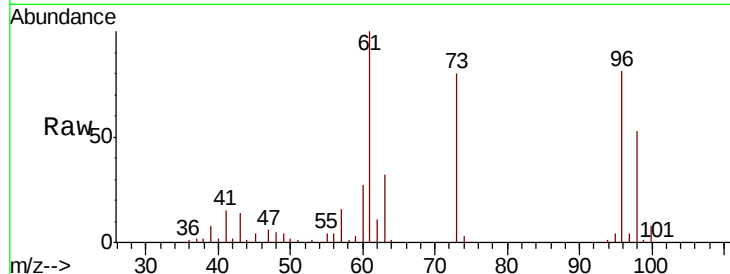




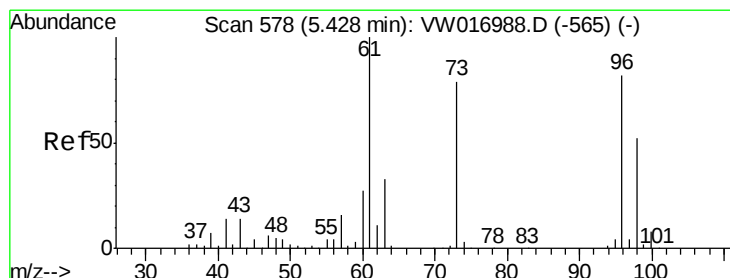
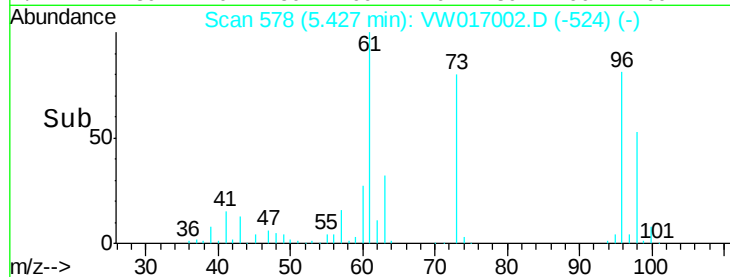
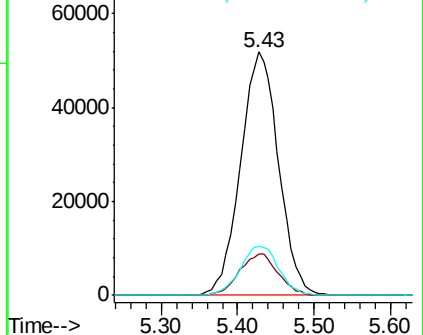
#17
Methvl tert-butvl Ether
Concen: 27.553 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Tot Ion: 73 Resp: 178871
Ion Ratio Lower Upper
73 100
43 17.4 14.4 21.6
57 20.5 16.6 25.0

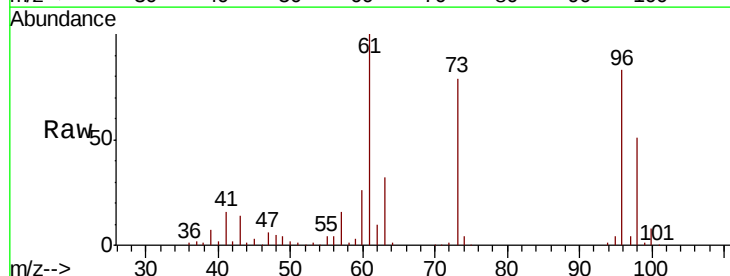


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

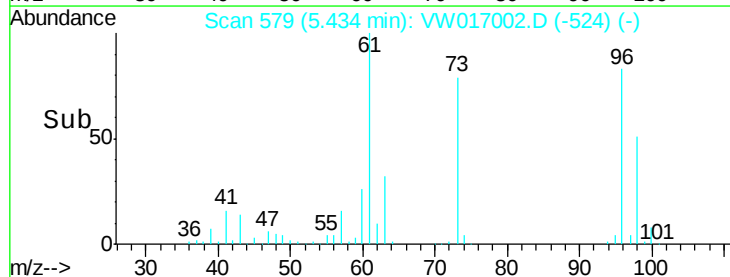
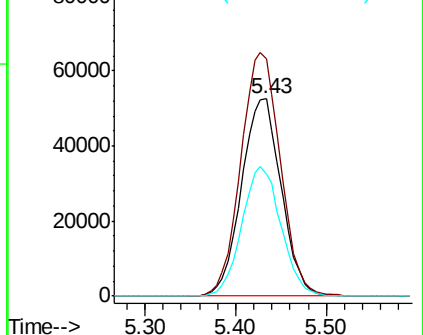


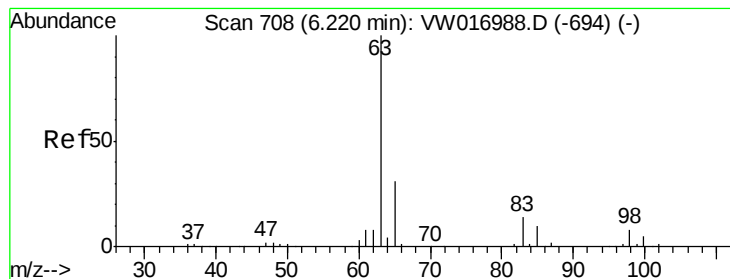
#18
trans-1,2-Dichloroethene
Concen: 25.647 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion: 96 Resp: 159745
Ion Ratio Lower Upper
96 100
61 120.3 82.7 153.7
98 61.8 42.6 79.0



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





#19

1,1-Dichloroethane

Concen: 26.181 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

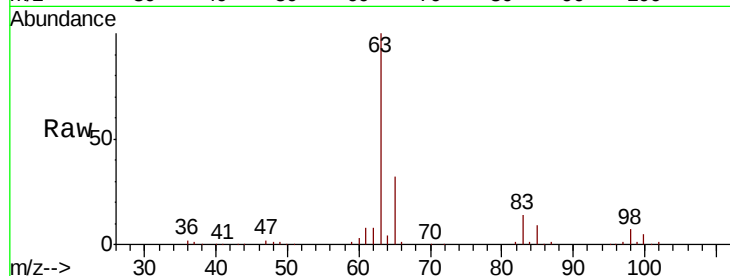
Tot Ion: 63 Resp: 249733

Ion Ratio Lower Upper

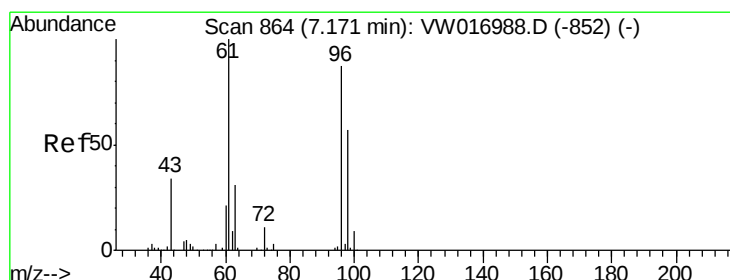
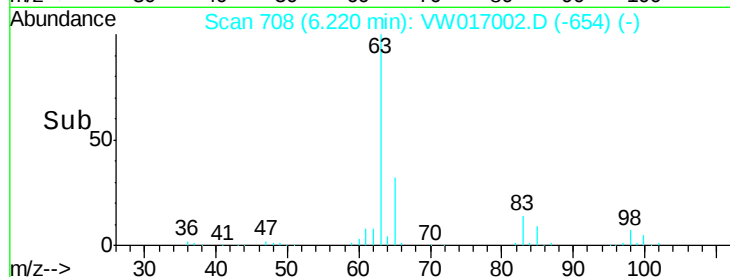
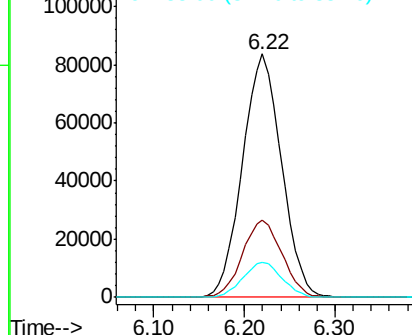
63 100

65 31.7 22.5 41.9

83 14.4 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 66.924 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017002.D

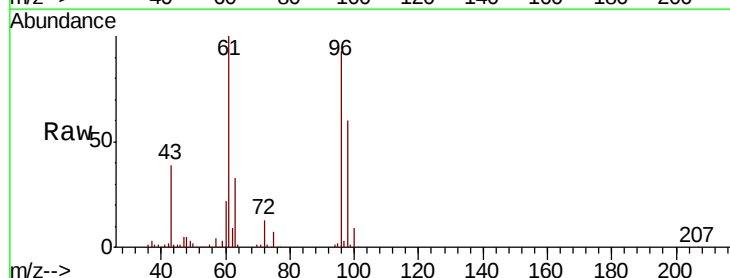
Acq: 26 Oct 2020 16:33

Tgt Ion: 43 Resp: 74542

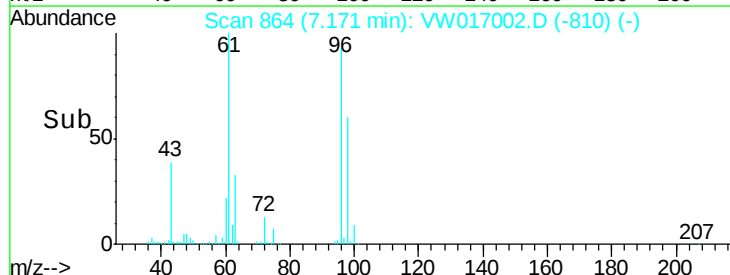
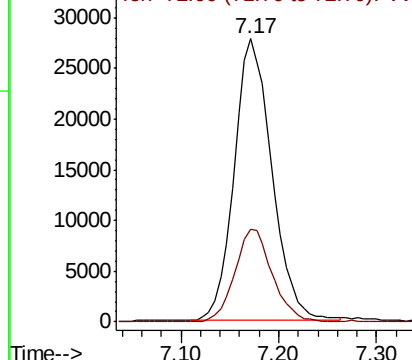
Ion Ratio Lower Upper

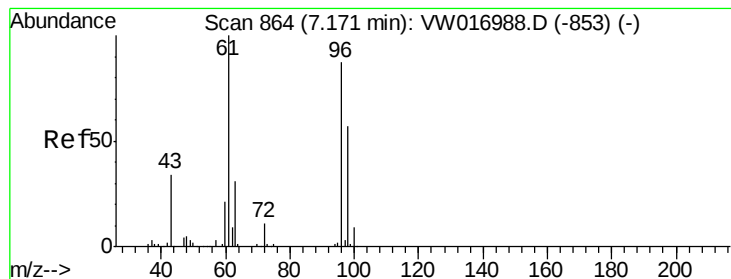
43 100

72 32.5 16.1 48.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



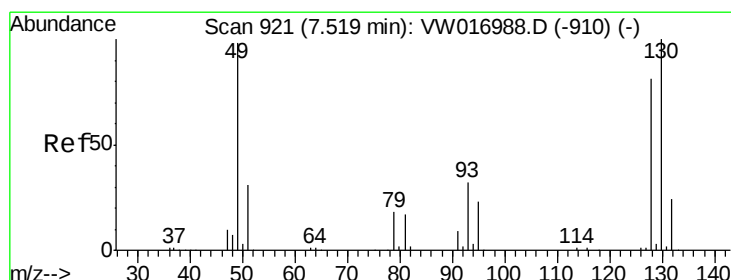
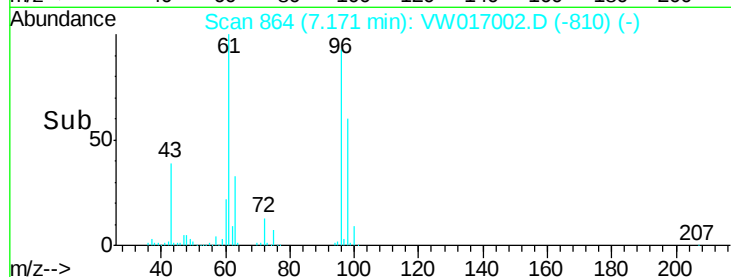
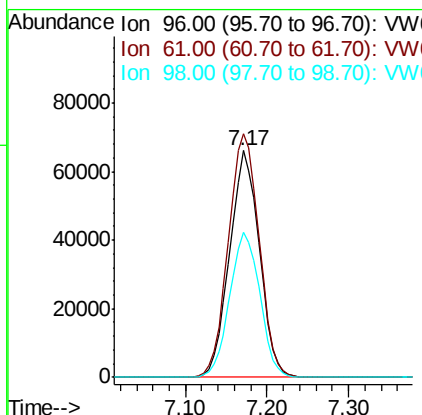
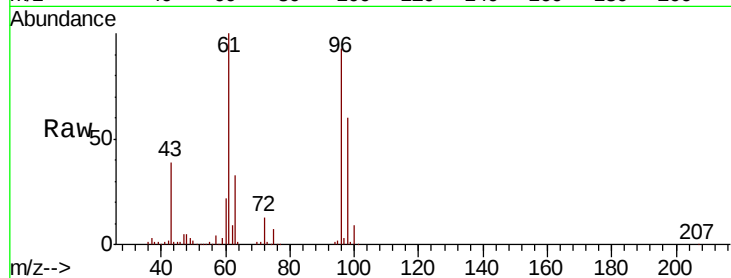


#22

cis-1,2-Dichloroethene
Concen: 26.500 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

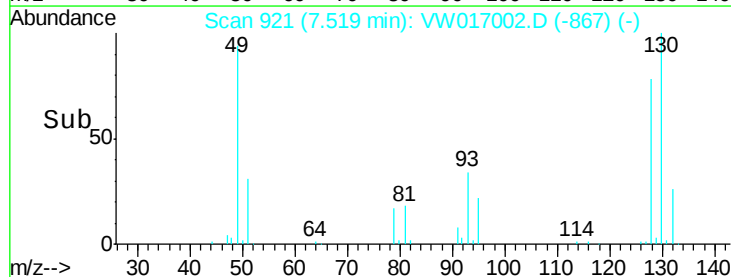
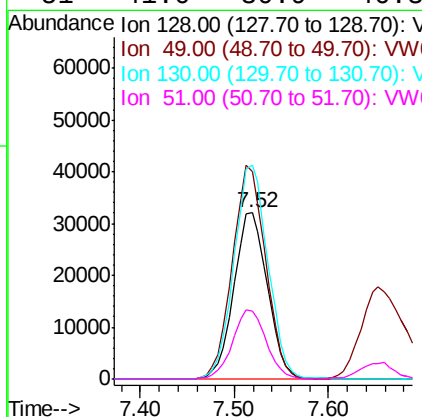
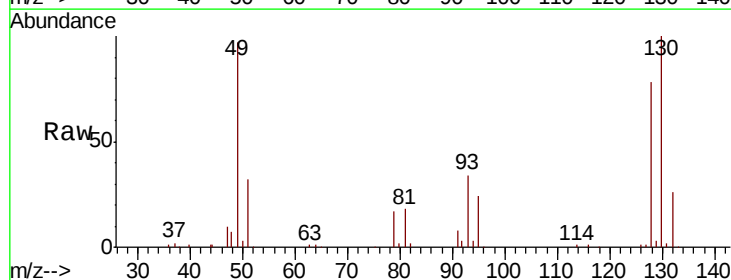
Tot Ion: 96 Resp: 166874
Ion Ratio Lower Upper
96 100
61 107.5 77.4 143.8
98 64.1 44.4 82.5

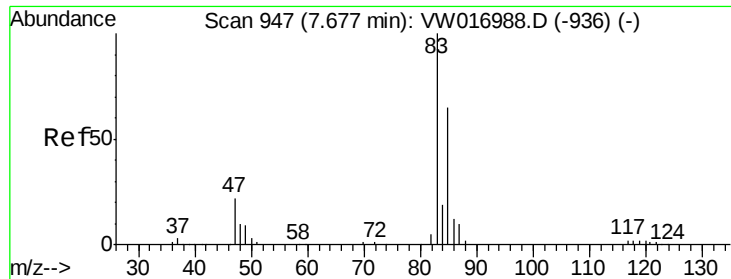


#23

Bromochloromethane
Concen: 27.382 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion: 128 Resp: 79597
Ion Ratio Lower Upper
128 100
49 124.6 86.4 160.4
130 128.2 86.4 160.4
51 41.0 30.9 46.3

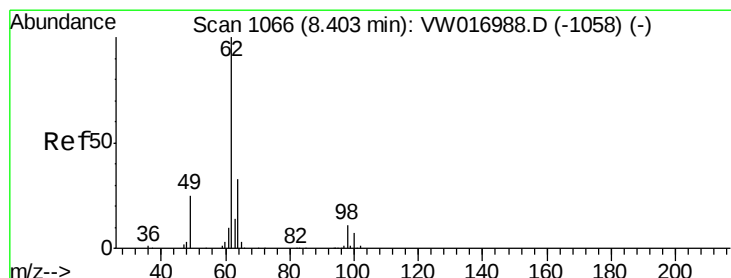
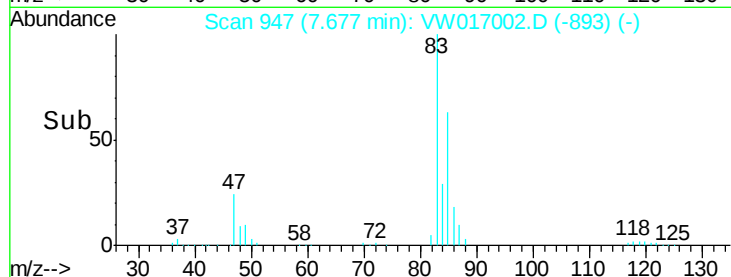
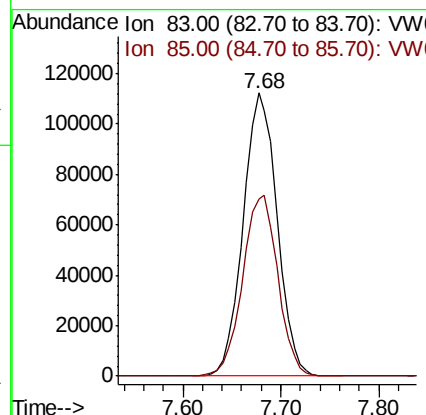
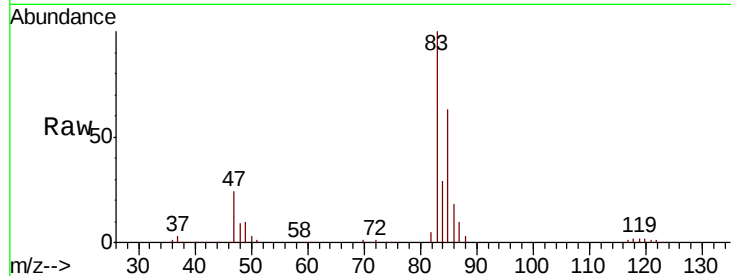




#25
Chloroform
Concen: 26.675 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

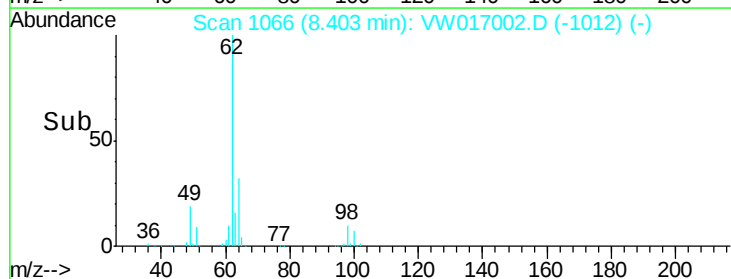
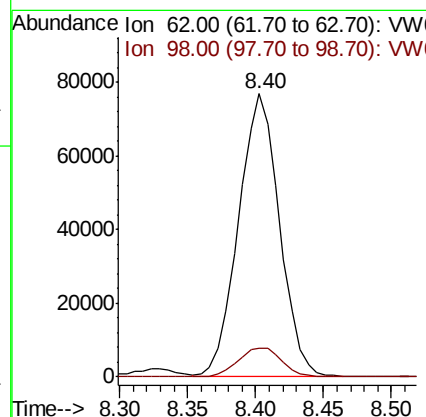
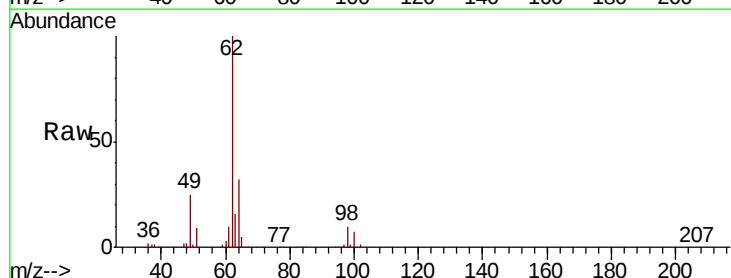
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

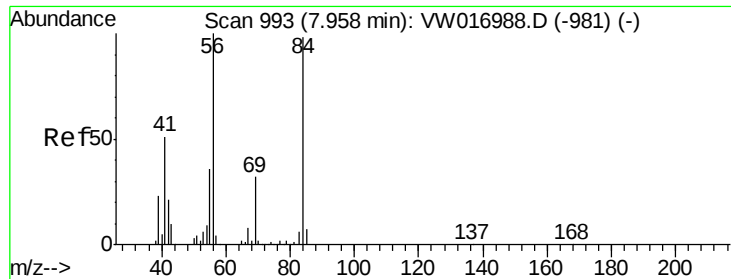
Tot Ion: 83 Resp: 270874
Ion Ratio Lower Upper
83 100
85 66.0 46.6 86.6



#27
1,2-Dichloroethane
Concen: 27.834 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion: 62 Resp: 160955
Ion Ratio Lower Upper
62 100
98 10.0 8.5 12.7

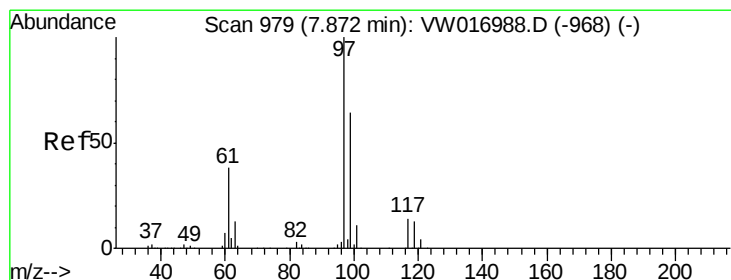
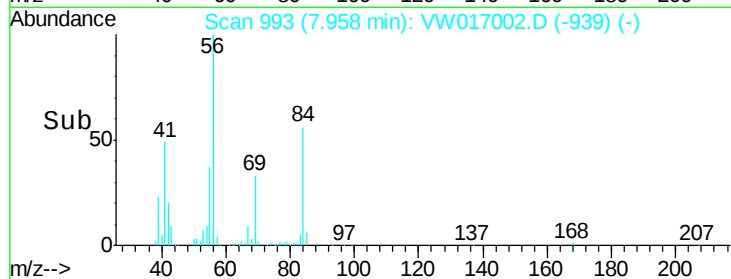
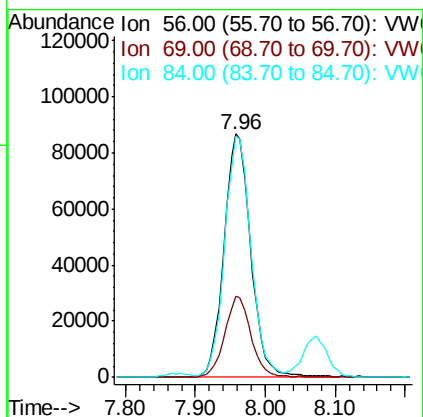
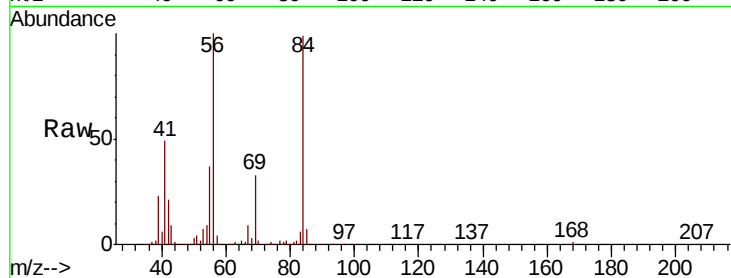




#30
Cvclohexane
Concen: 25.969 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

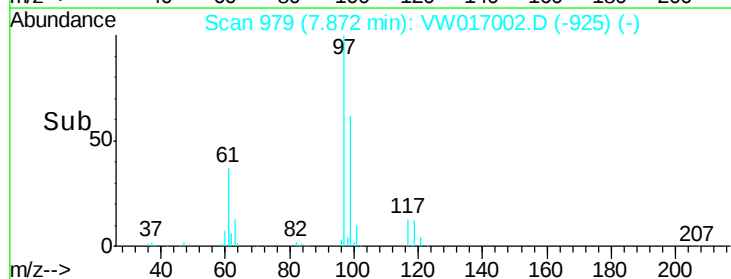
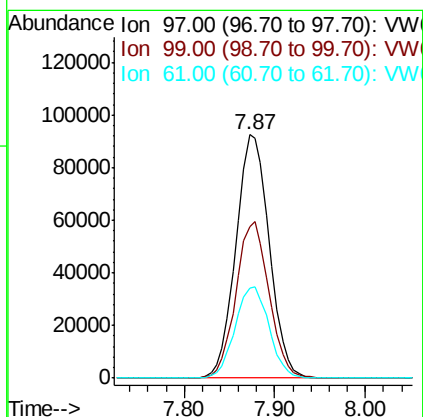
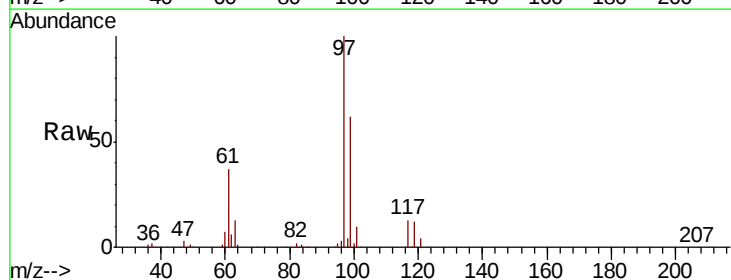
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

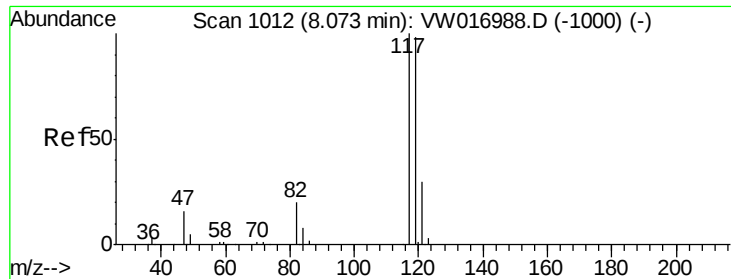
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.0	39.0
84	96.8	78.6	118.0



#31
1,1,1-Trichloroethane
Concen: 25.673 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	38.5	31.8	47.8





#32

Carbon tetrachloride

Concen: 25.342 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

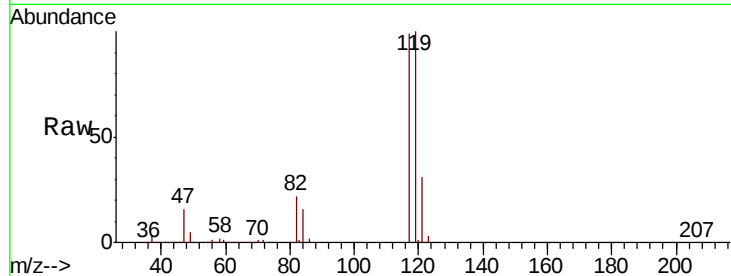
VSTD02525

Tot Ion:117 Resp: 223668

Ion Ratio Lower Upper

117 100

119 98.1 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

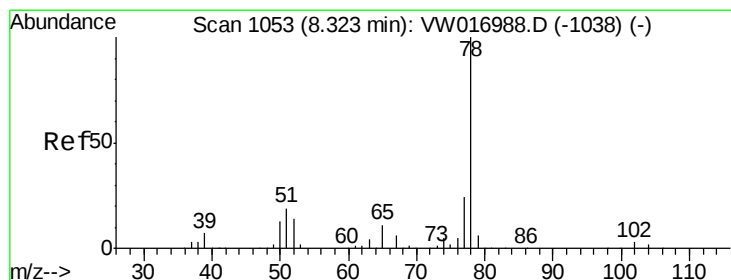
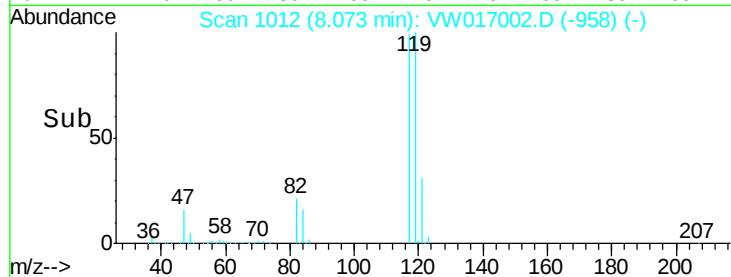
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 25.515 ug/L

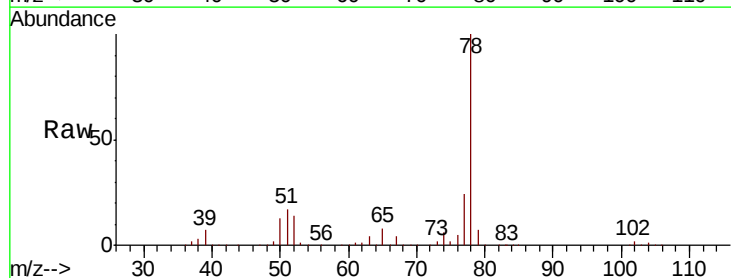
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Tgt Ion: 78 Resp: 598665



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

300000

250000

200000

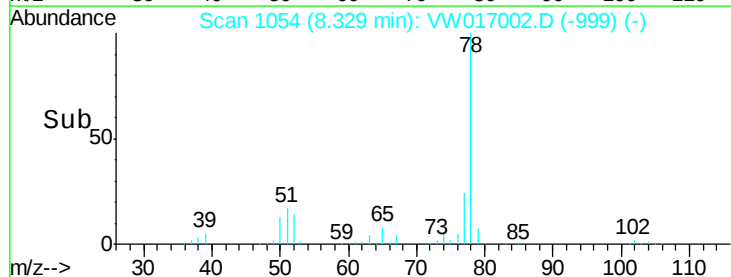
150000

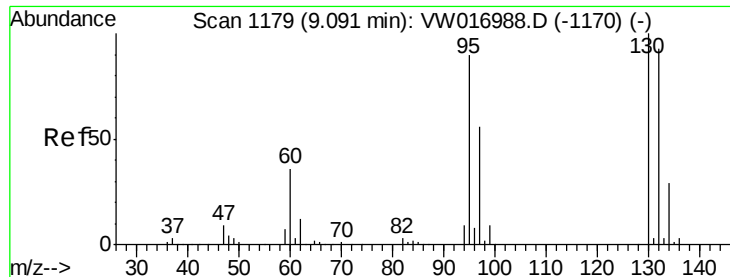
100000

50000

0

Time-->

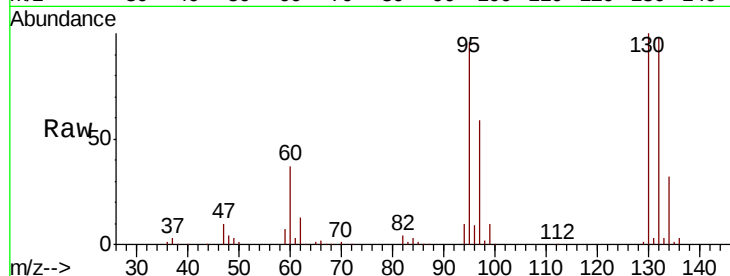




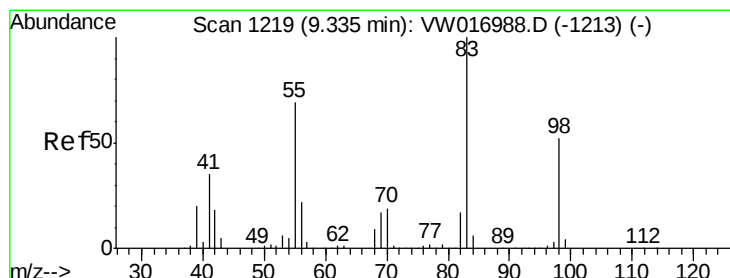
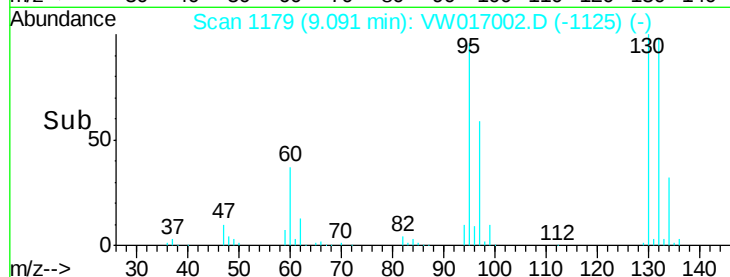
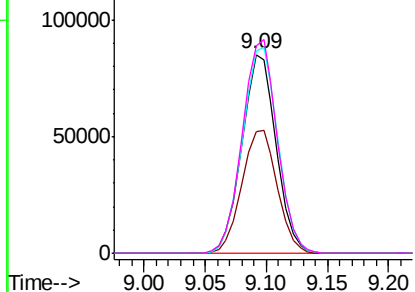
#35
 Trichloroethene
 Concen: 25.419 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017002.D
 Acq: 26 Oct 2020 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tot Ion: 95 Resp: 165180
 Ion Ratio Lower Upper
 95 100
 97 64.5 46.0 85.4
 132 107.5 73.9 137.3
 130 110.2 77.6 144.2

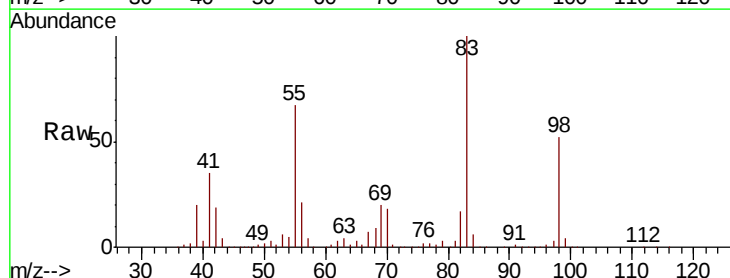


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

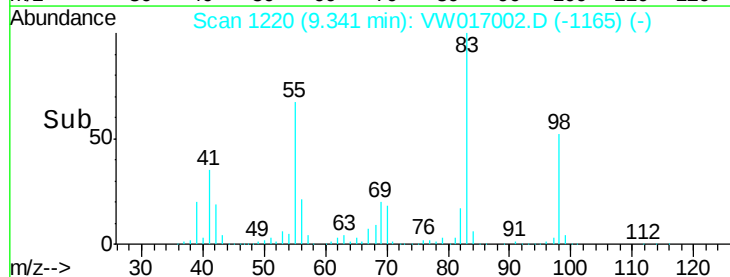
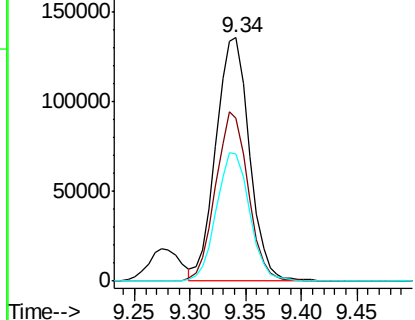


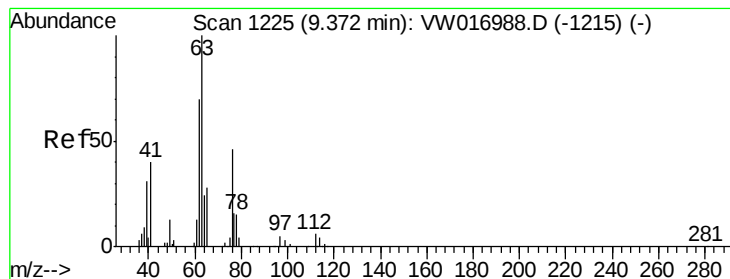
#36
 Methylcyclohexane
 Concen: 25.978 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW017002.D
 Acq: 26 Oct 2020 16:33

Tgt Ion: 83 Resp: 283499
 Ion Ratio Lower Upper
 83 100
 55 67.6 54.5 81.7
 98 52.2 40.8 61.2



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: 26.403 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

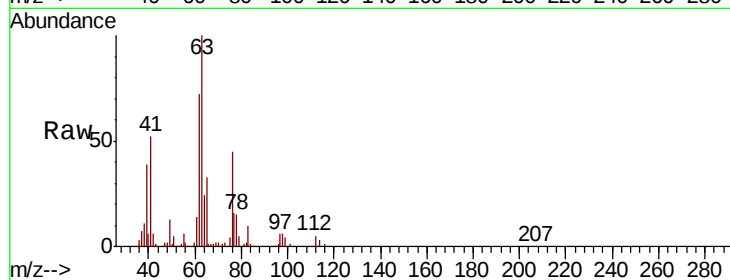
VSTD02525

Tot Ion: 63 Resp: 138347

Ion Ratio Lower Upper

63 100

112 5.4 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

80000

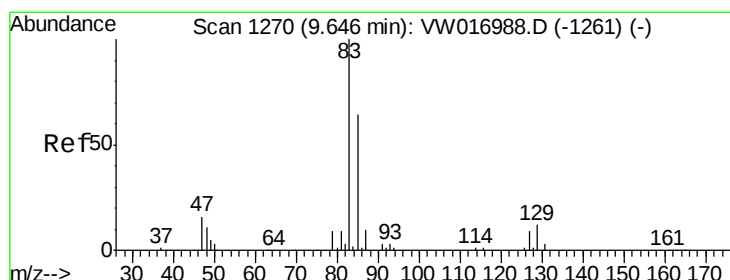
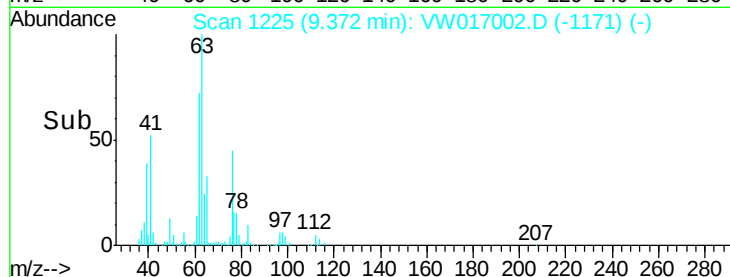
60000

40000

20000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#41

Bromodichloromethane

Concen: 26.832 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

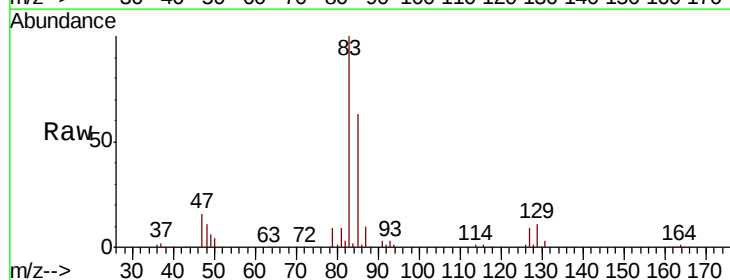
Tgt Ion: 83 Resp: 190826

Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.9

127 9.4 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

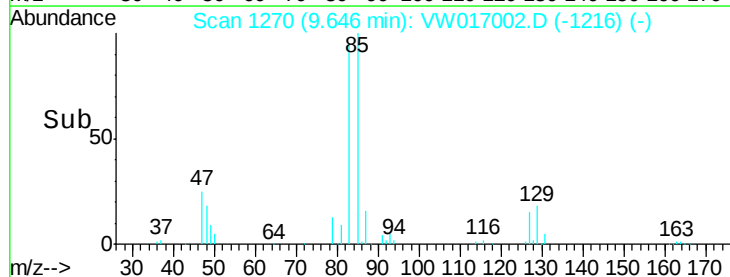
Ion 127.00 (126.70 to 127.70): V

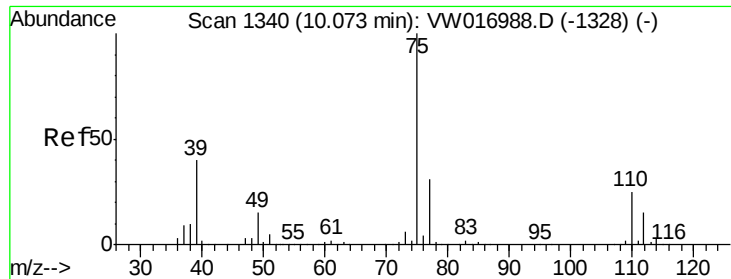
100000

50000

0

Time--> 9.60 9.65 9.70

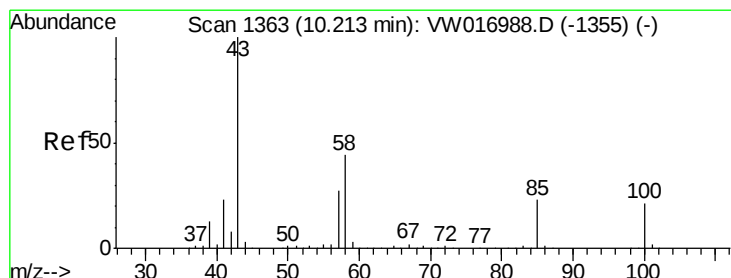
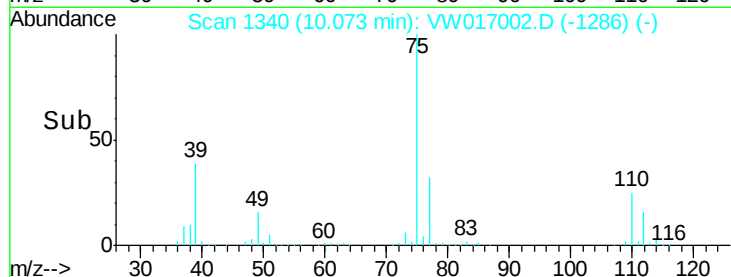
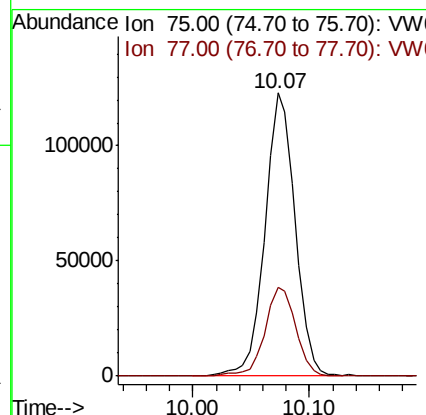
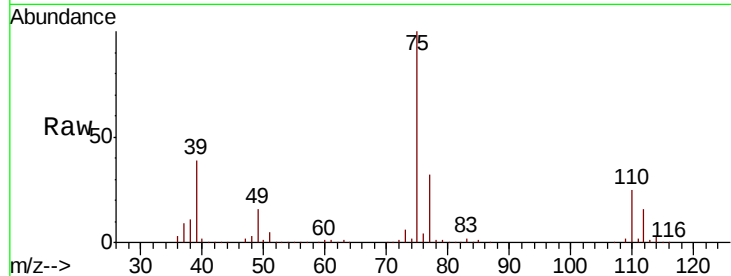




#42
 cis-1,3-Dichloropropene
 Concen: 27.087 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017002.D
 Acq: 26 Oct 2020 16:33

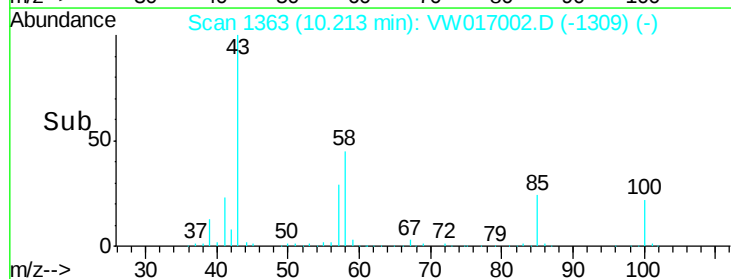
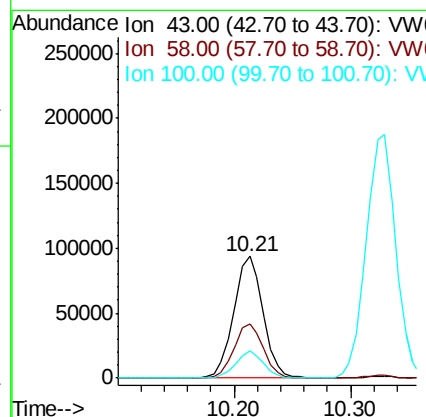
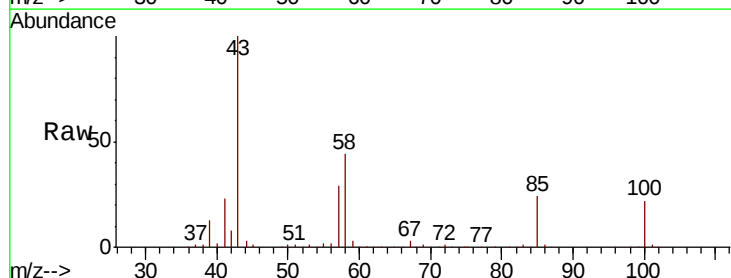
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02525

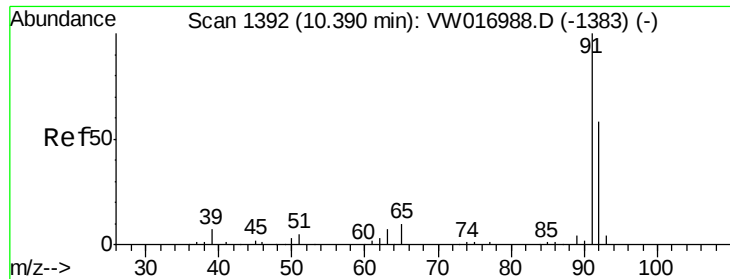
Tot Ion: 75 Resp: 221941
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.7 42.1



#43
 4-Methyl-2-pentanone
 Concen: 66.324 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017002.D
 Acq: 26 Oct 2020 16:33

Tgt Ion: 43 Resp: 164737
 Ion Ratio Lower Upper
 43 100
 58 44.3 34.4 51.6
 100 21.3 16.2 24.2





#44

Toluene

Concen: 26.373 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

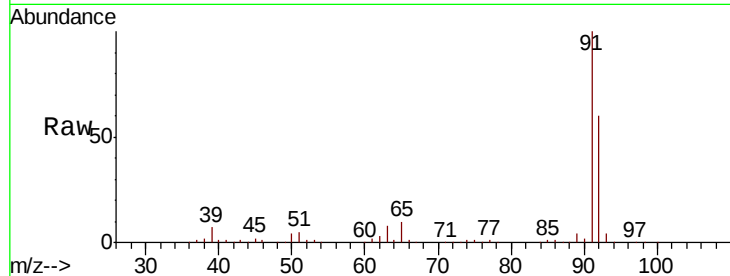
VSTD02525

Tot Ion: 91 Resp: 670436

Ion Ratio Lower Upper

91 100

92 60.1 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

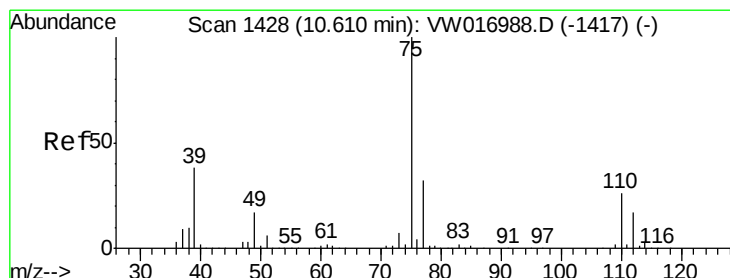
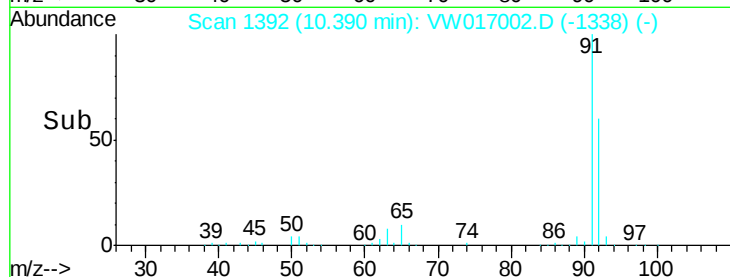
300000

200000

100000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 28.435 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017002.D

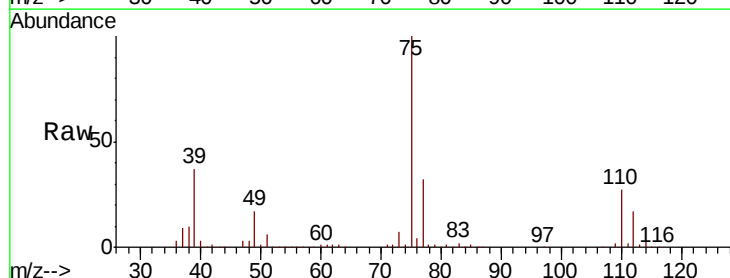
Acq: 26 Oct 2020 16:33

Tgt Ion: 75 Resp: 193006

Ion Ratio Lower Upper

75 100

77 31.9 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

120000

100000

80000

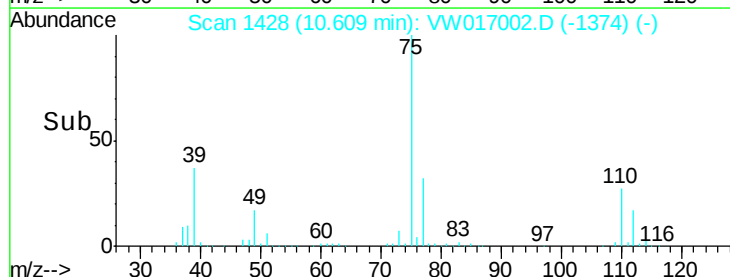
60000

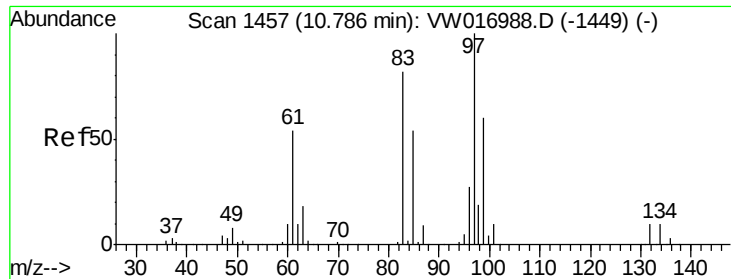
40000

20000

0

Time--> 10.50 10.60 10.70

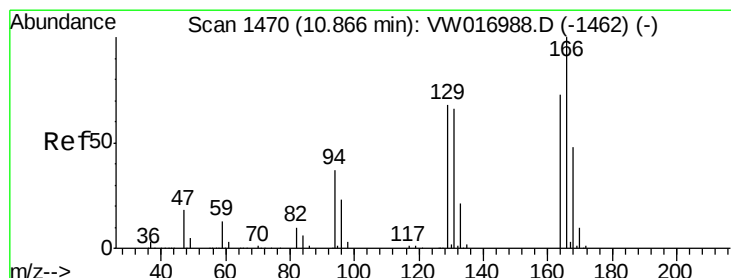
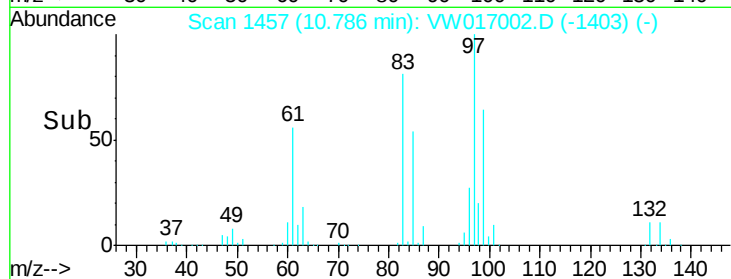
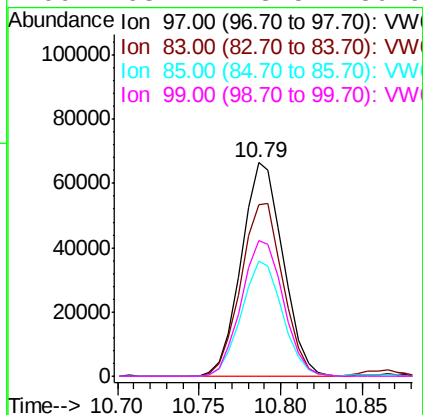
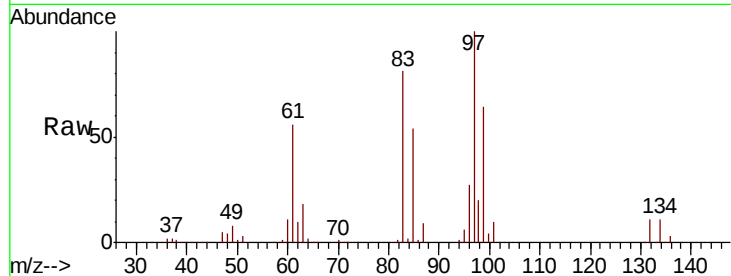




#46
1,1,2-Trichloroethane
Concen: 28.179 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

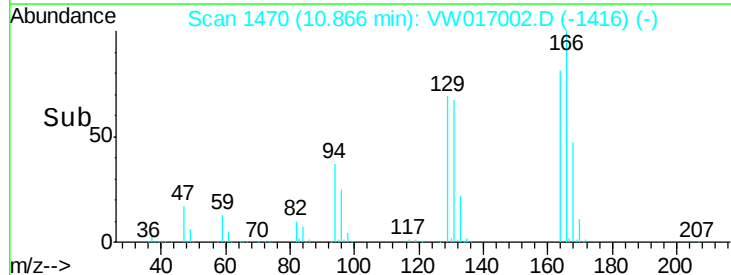
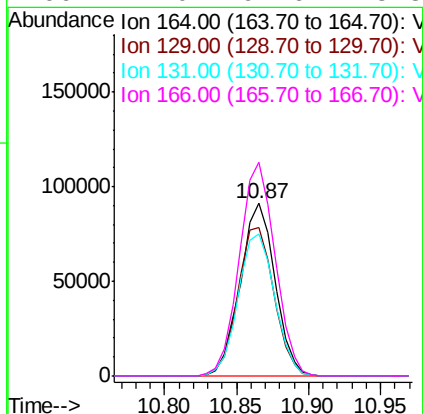
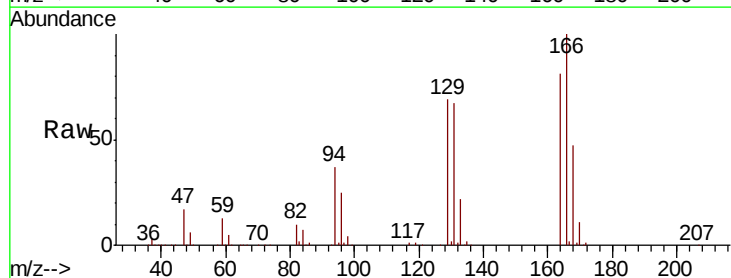
Instrument :
MSVOA_W
ClientSampled :
VSTD02525

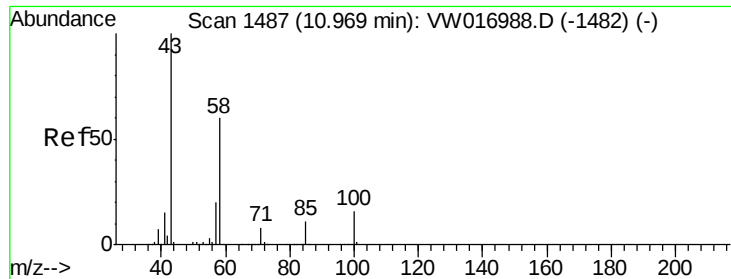
Tot Ion:	97	Resp:	118187
Ion	Ratio	Lower	Upper
97	100		
83	80.6	56.6	105.0
85	53.9	34.6	64.3
99	63.7	43.5	80.9



#47
Tetrachloroethene
Concen: 25.583 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion:	164	Resp:	152922
Ion	Ratio	Lower	Upper
164	100		
129	86.0	64.0	119.0
131	82.7	61.7	114.5
166	124.0	94.6	175.8

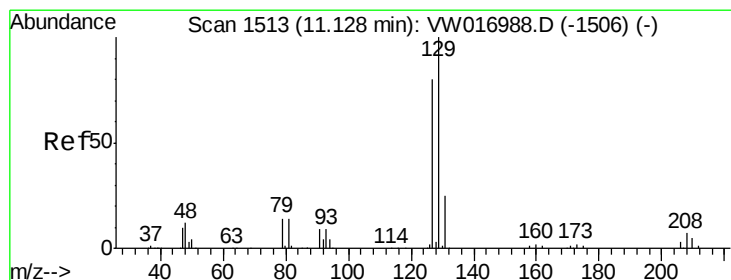
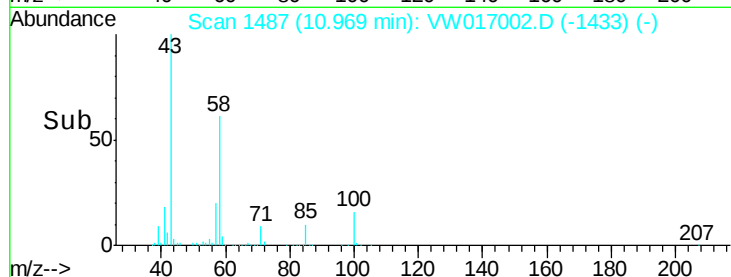
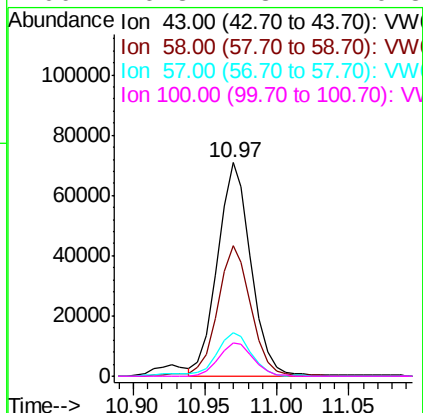
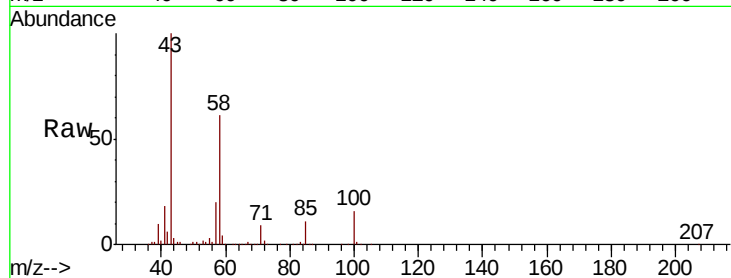




#49
2-Hexanone
Concen: 72.968 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

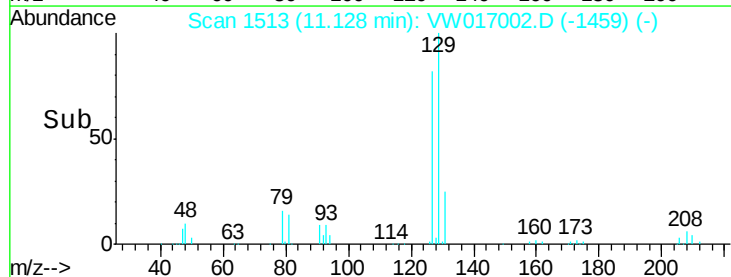
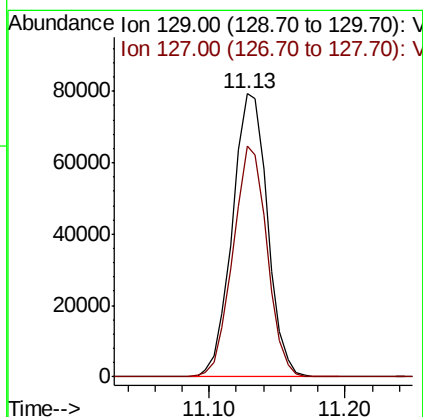
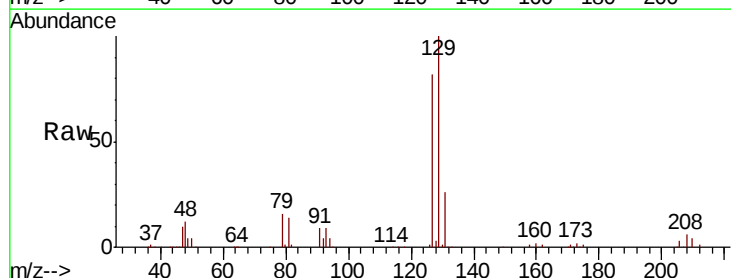
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

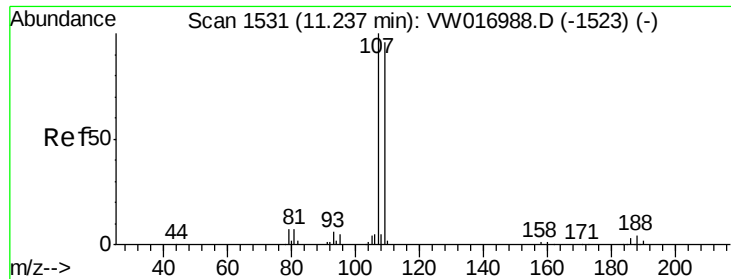
Tot Ion: 43 Resp: 115506
Ion Ratio Lower Upper
43 100
58 60.7 49.2 73.8
57 20.6 17.0 25.4
100 16.3 13.2 19.8



#50
Dibromochloromethane
Concen: 27.928 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion: 129 Resp: 142698
Ion Ratio Lower Upper
129 100
127 81.7 55.4 102.8

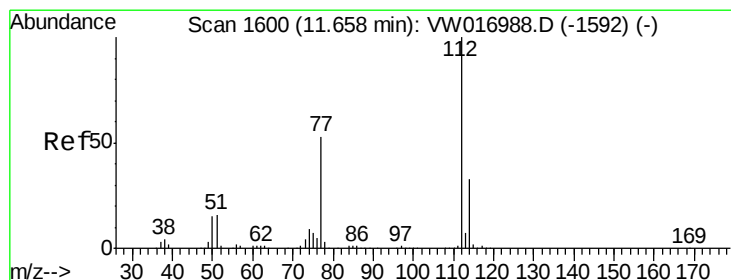
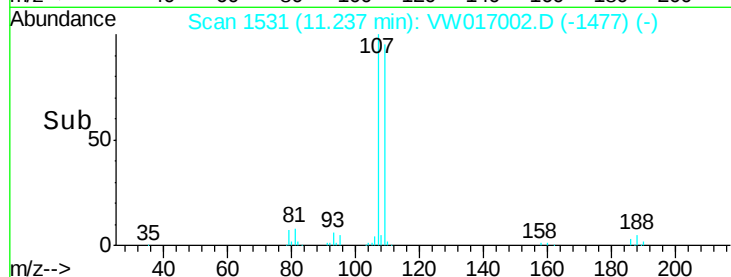
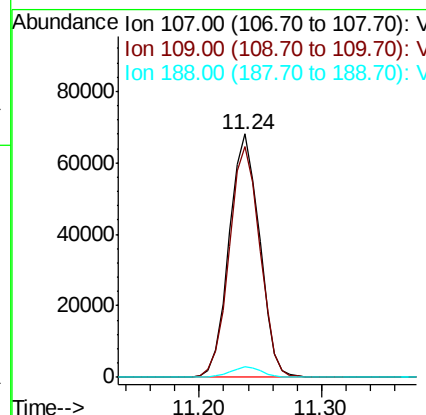
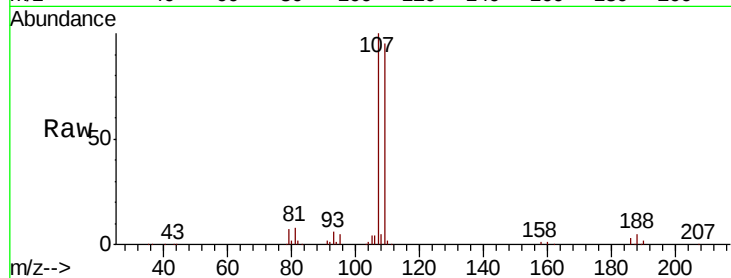




#51
1,2-Dibromoethane
Concen: 29.281 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

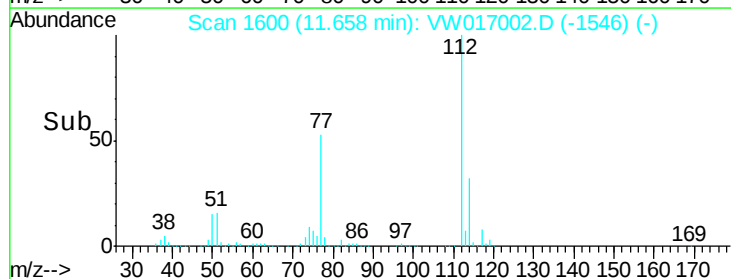
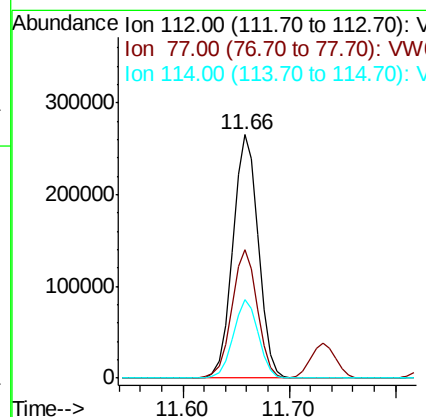
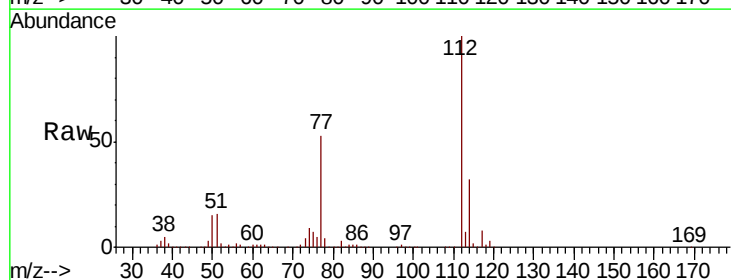
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

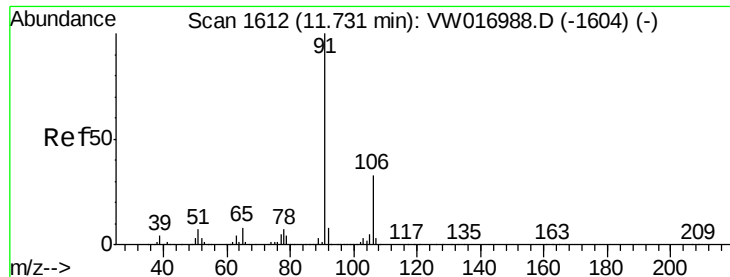
Tot Ion:107 Resp: 117083
Ion Ratio Lower Upper
107 100
109 94.9 65.7 121.9
188 4.5 3.1 4.7



#52
Chlorobenzene
Concen: 26.135 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion:112 Resp: 444130
Ion Ratio Lower Upper
112 100
77 52.6 42.5 63.7
114 32.2 22.3 41.3





#53

Ethylbenzene

Concen: 25.764 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

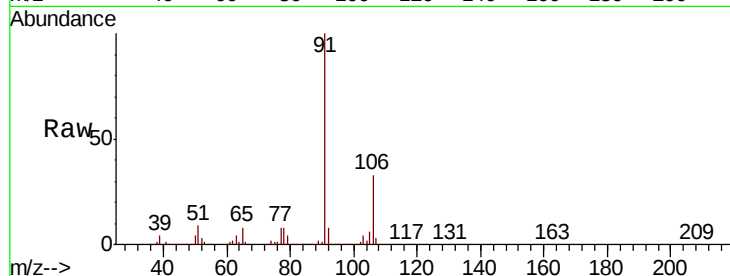
VSTD02525

Tot Ion: 91 Resp: 735527

Ion Ratio Lower Upper

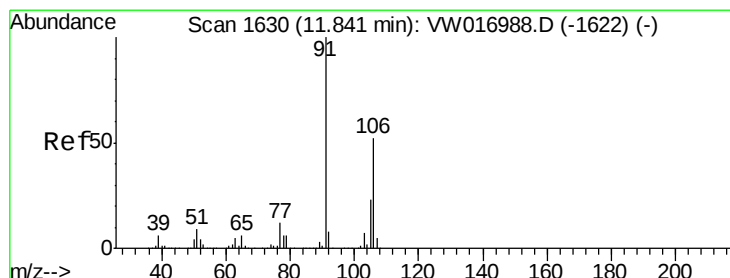
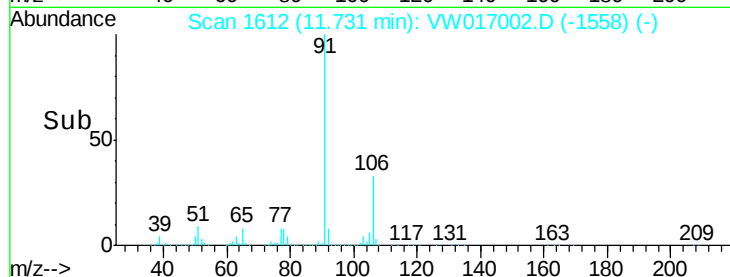
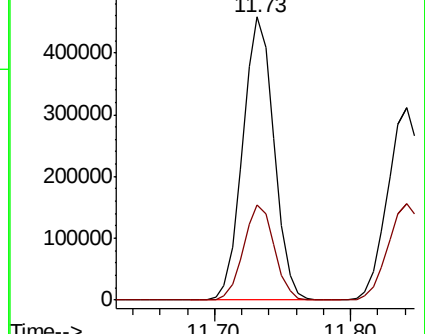
91 100

106 33.5 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.990 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017002.D

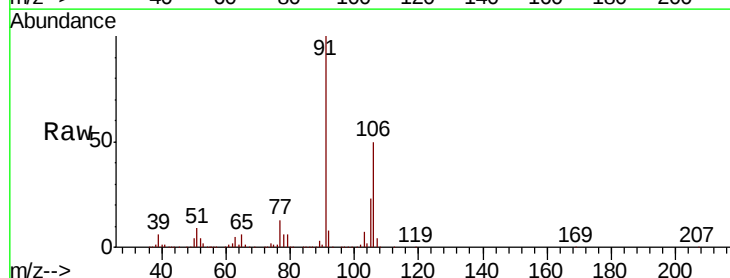
Acq: 26 Oct 2020 16:33

Tgt Ion: 106 Resp: 291911

Ion Ratio Lower Upper

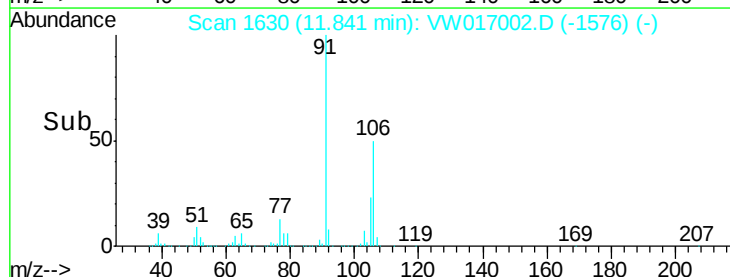
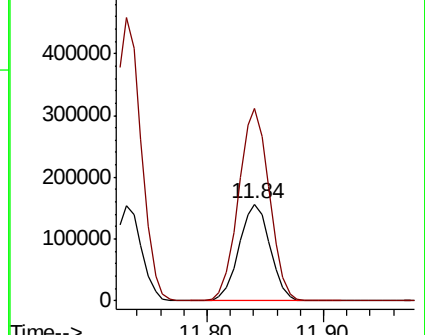
106 100

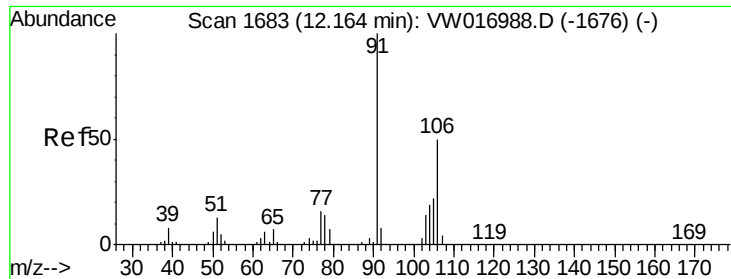
91 198.6 134.2 249.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

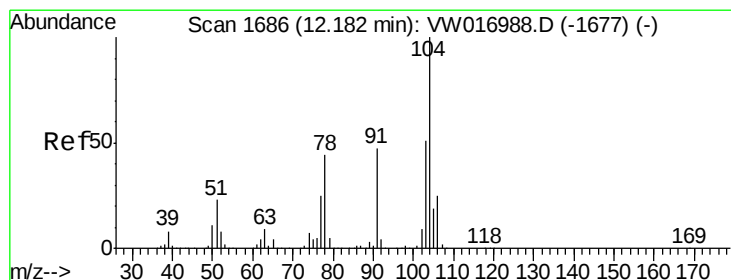
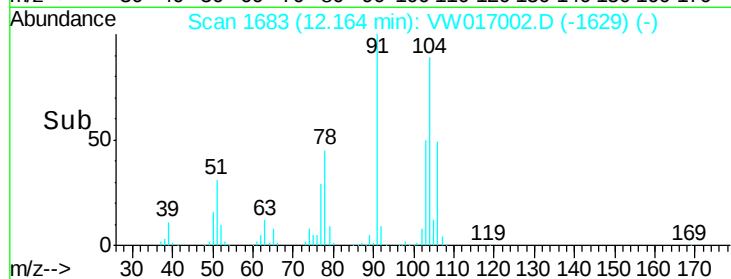
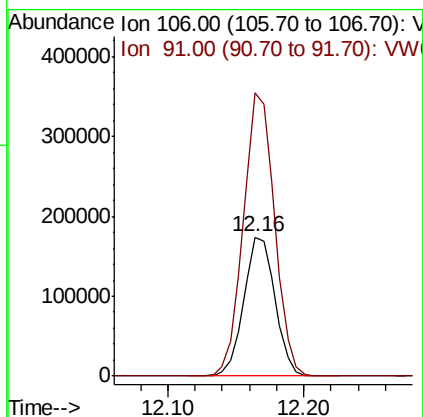
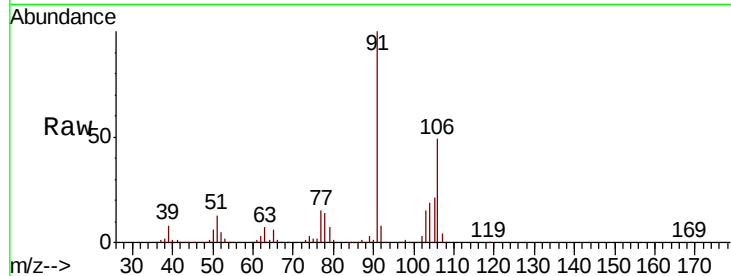




#55
o-xylene
Concen: 26.899 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

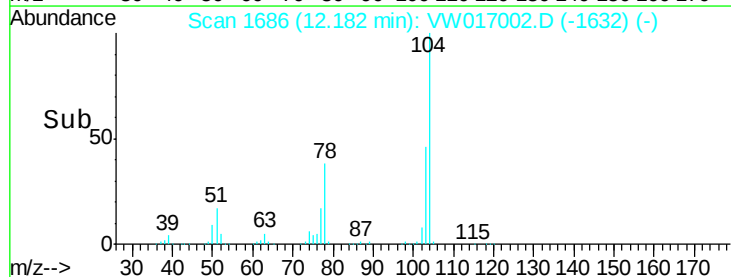
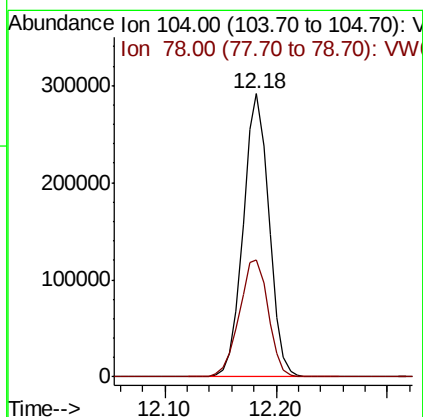
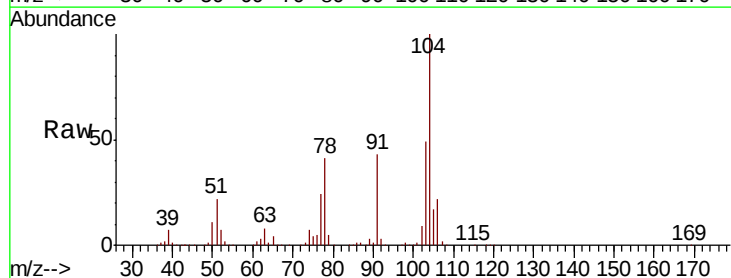
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

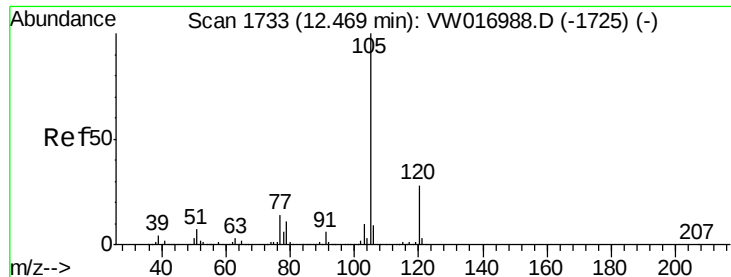
Tot Ion:106 Resp: 279861
Ion Ratio Lower Upper
106 100
91 203.4 150.9 280.3



#56
Styrene
Concen: 26.903 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion:104 Resp: 468255
Ion Ratio Lower Upper
104 100
78 41.2 29.3 54.5





#57

Isopropylbenzene

Concen: 26.523 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

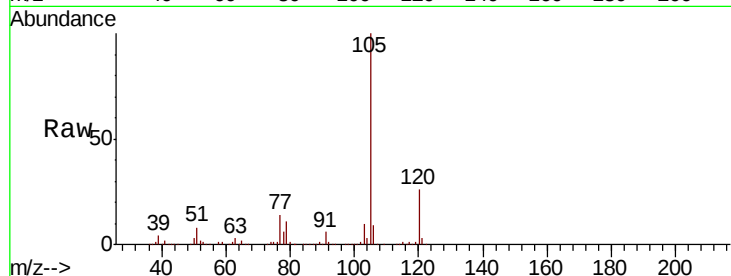
Tot Ion:105 Resp: 763289

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

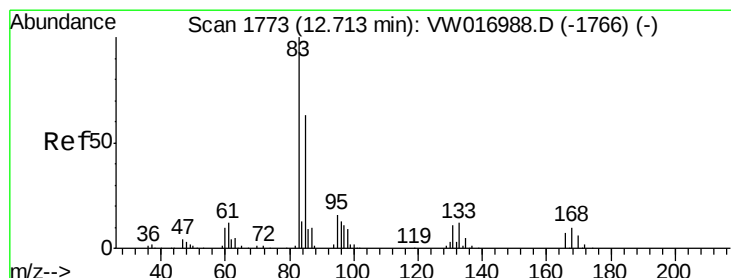
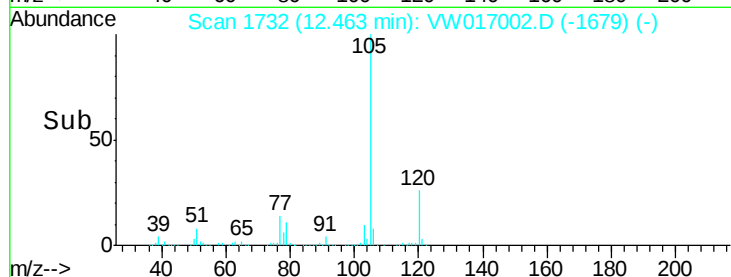
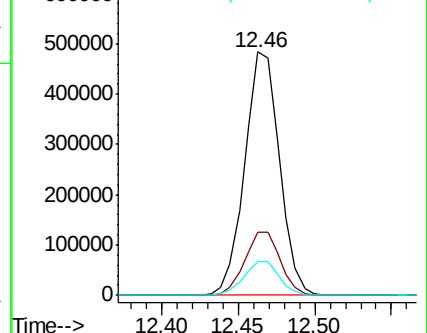
77 14.2 11.4 17.2



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: 31.332 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

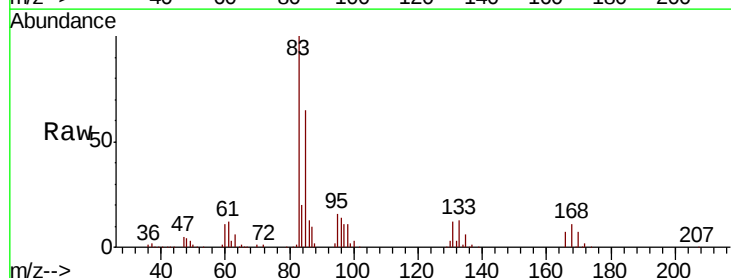
Tgt Ion: 83 Resp: 141051

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

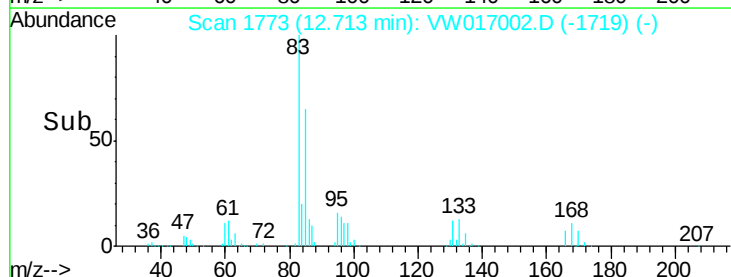
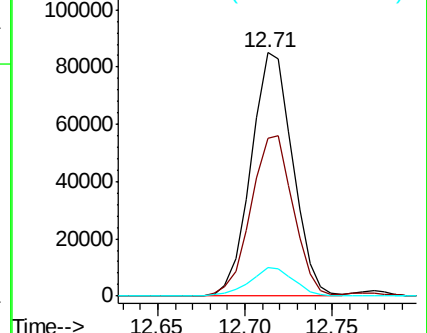
131 11.6 9.1 13.7

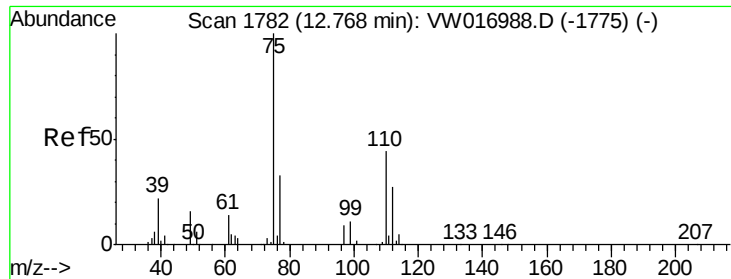


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 31.705 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

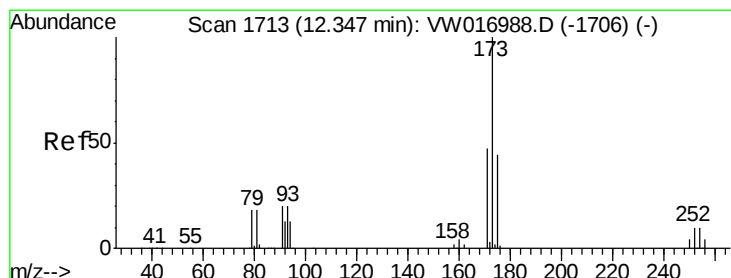
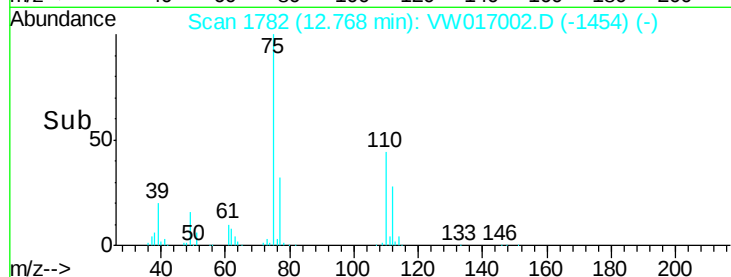
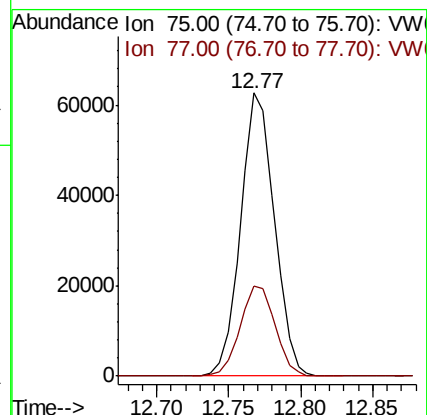
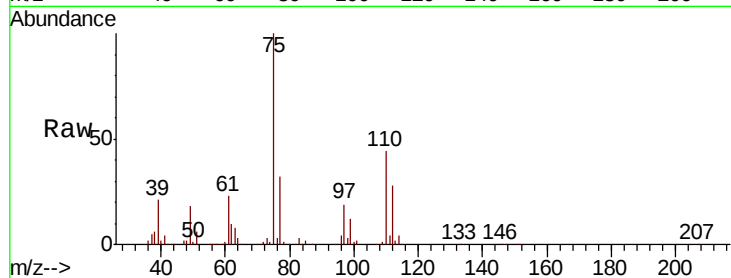
VSTD02525

Tot Ion: 75 Resp: 102143

Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.8



#62

Bromoform

Concen: 29.444 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

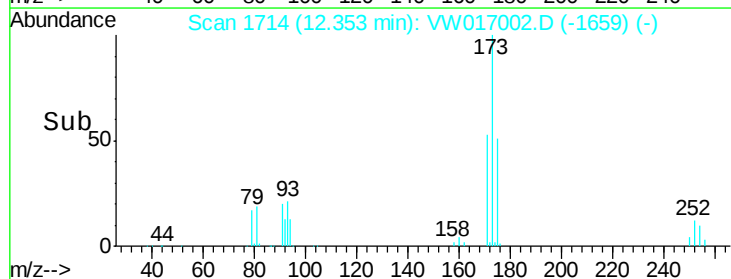
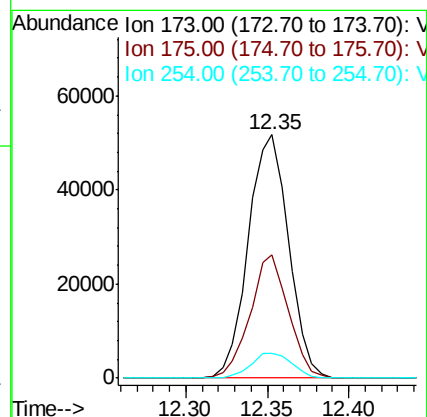
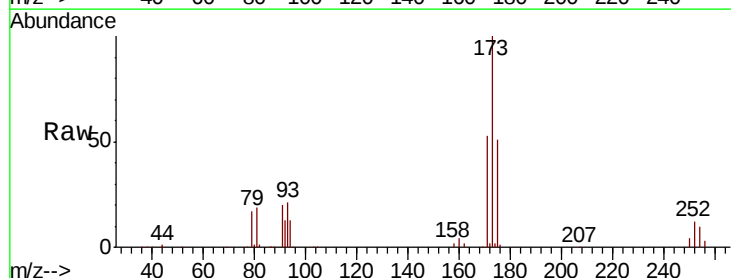
Tgt Ion: 173 Resp: 89214

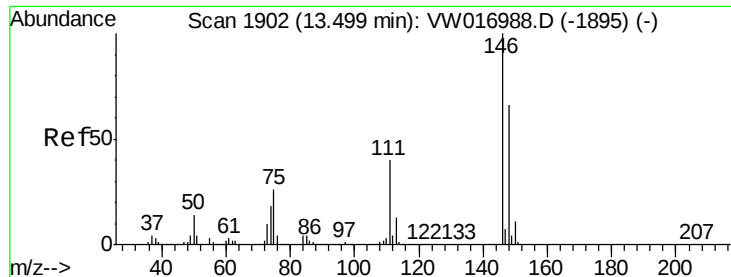
Ion Ratio Lower Upper

173 100

175 47.9 38.3 57.5

254 10.4 7.8 11.6

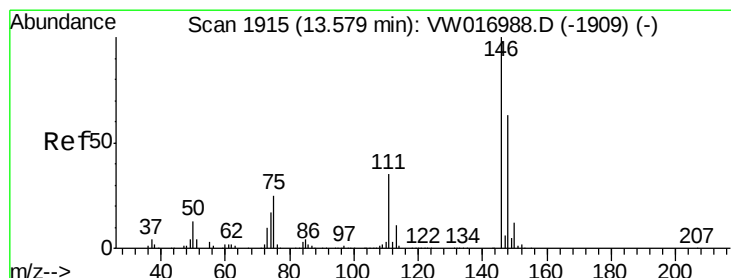
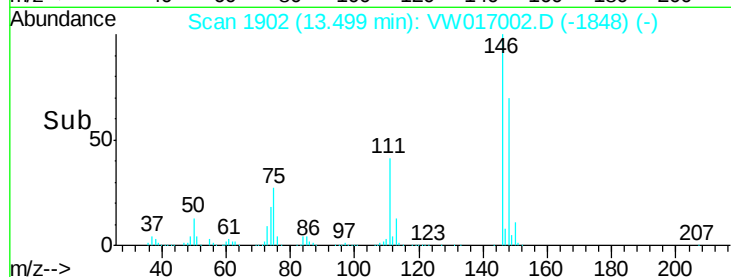
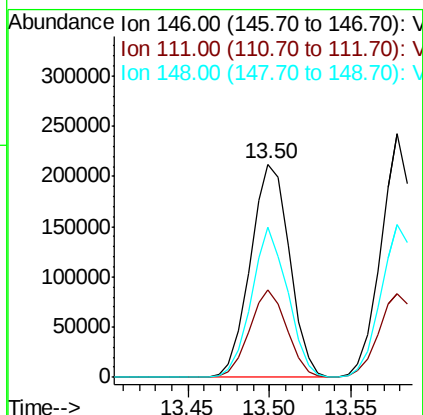
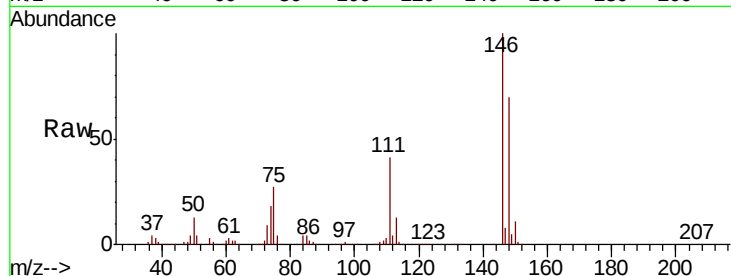




#63
1,3-Dichlorobenzene
Concen: 25.443 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

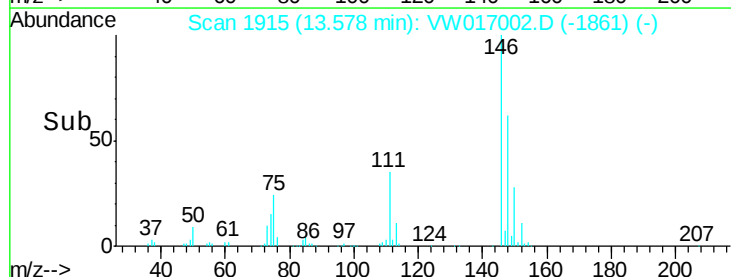
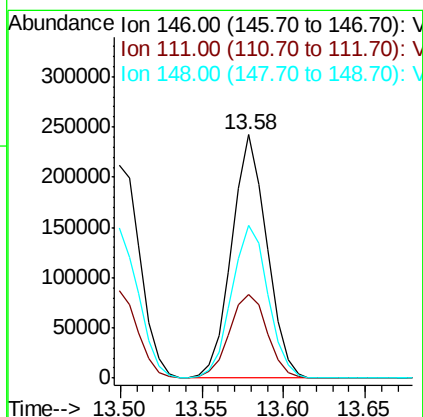
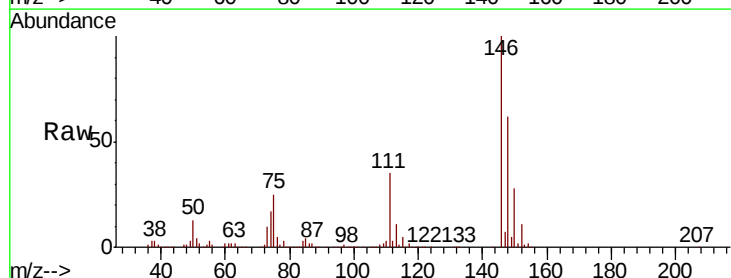
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

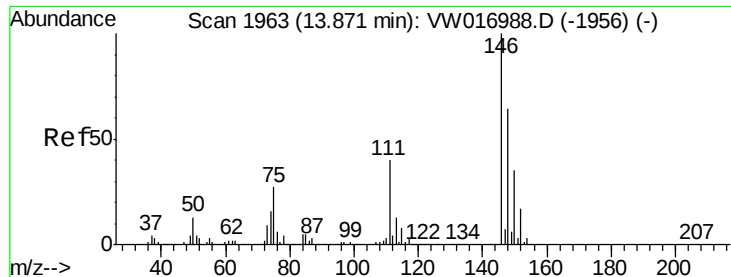
Tot Ion:146 Resp: 353979
Ion Ratio Lower Upper
146 100
111 41.0 25.5 47.3
148 70.3 43.1 80.1



#64
1,4-Dichlorobenzene
Concen: 26.213 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW017002.D
Acq: 26 Oct 2020 16:33

Tgt Ion:146 Resp: 363545
Ion Ratio Lower Upper
146 100
111 34.6 25.7 47.7
148 62.5 44.3 82.3

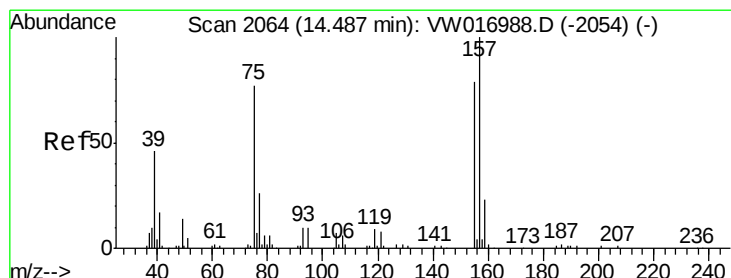
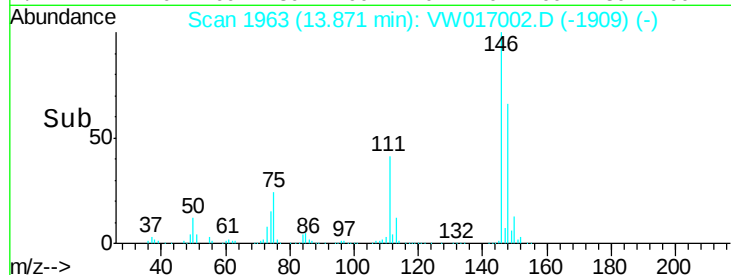
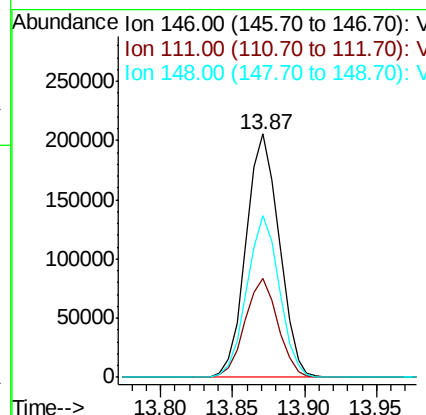
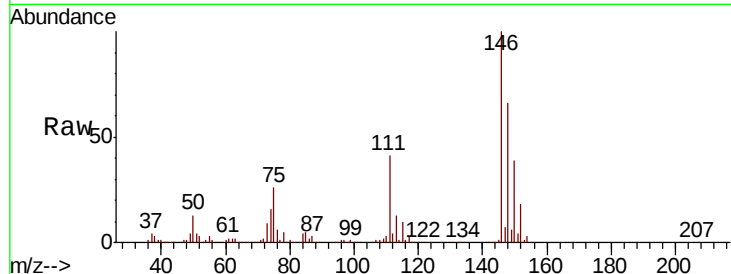




#65
 1,2-Dichlorobenzene
 Concen: 26.732 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017002.D
 Acq: 26 Oct 2020 16:33

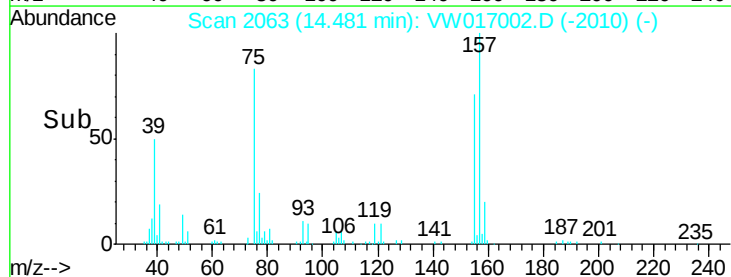
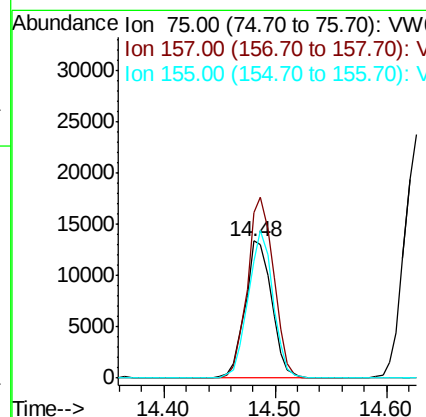
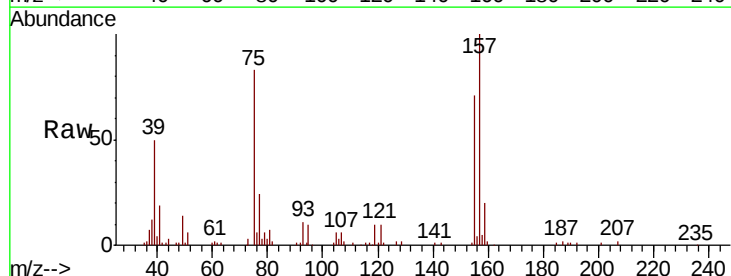
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02525

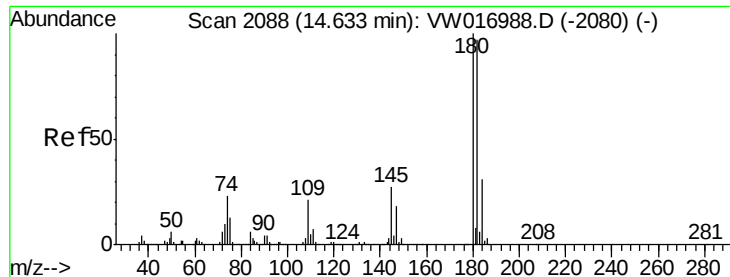
Tot Ion:146 Resp: 328085
 Ion Ratio Lower Upper
 146 100
 111 40.7 31.4 47.0
 148 66.5 47.7 71.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 33.316 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW017002.D
 Acq: 26 Oct 2020 16:33

Tgt Ion: 75 Resp: 22243
 Ion Ratio Lower Upper
 75 100
 157 121.0 102.5 153.7
 155 85.6 80.3 120.5

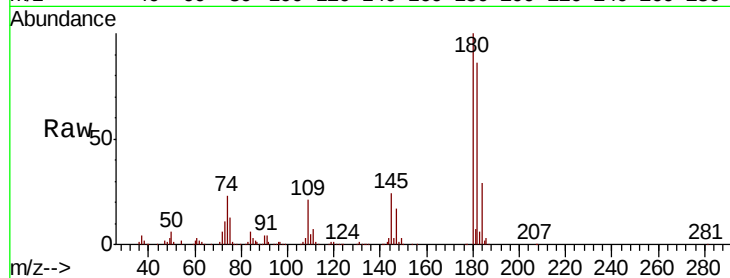




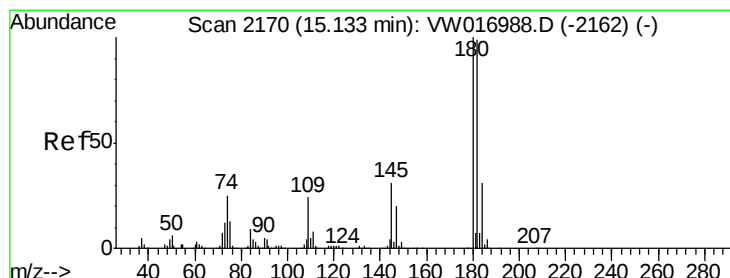
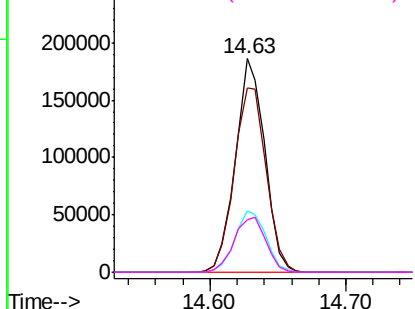
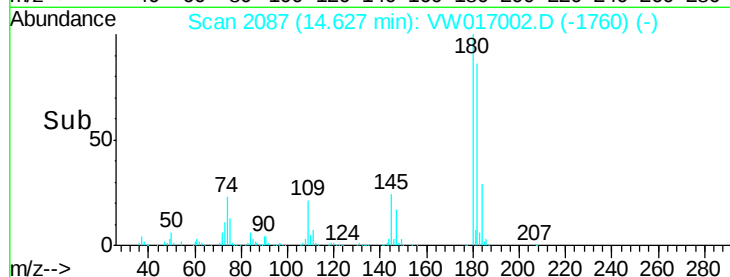
#67
 1,3,5-Trichlorobenzene
 Concen: 27.489 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017002.D
 Acq: 26 Oct 2020 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tot Ion	180	Resp	279920
Ion Ratio	Lower	Upper	
180	100		
182	93.9	77.4	116.0
184	30.4	24.8	37.2
145	27.8	23.4	35.2

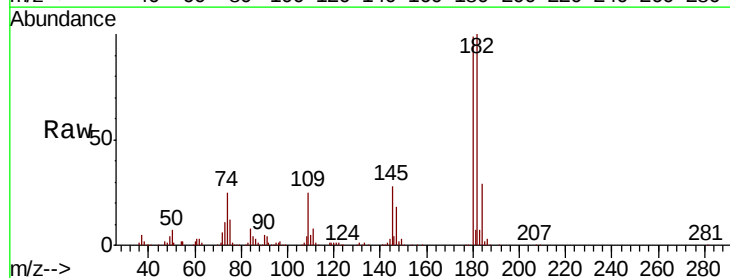


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

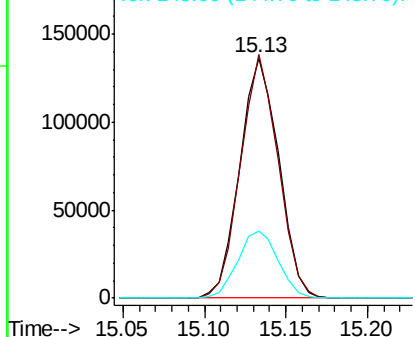
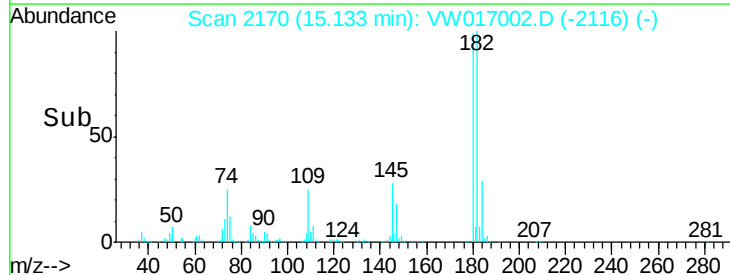


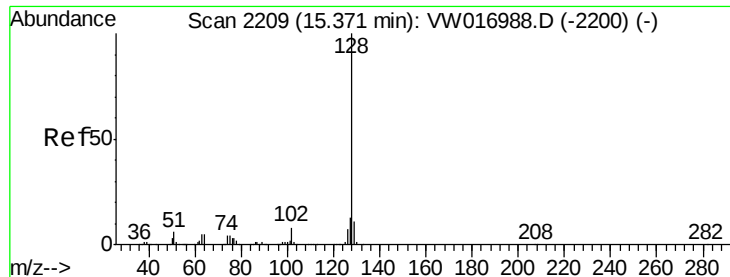
#68
 1,2,4-trichlorobenzene
 Concen: 28.692 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017002.D
 Acq: 26 Oct 2020 16:33

Tgt Ion	180	Resp	226462
Ion Ratio	Lower	Upper	
180	100		
182	97.9	76.6	114.8
145	29.1	23.4	35.0



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





#69

Naphthalene

Concen: 34.623 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

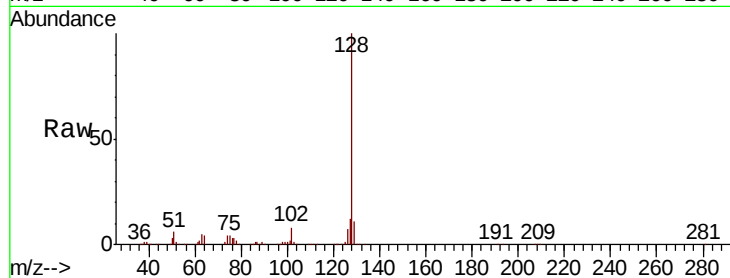
Tot Ion:128 Resp: 443267

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

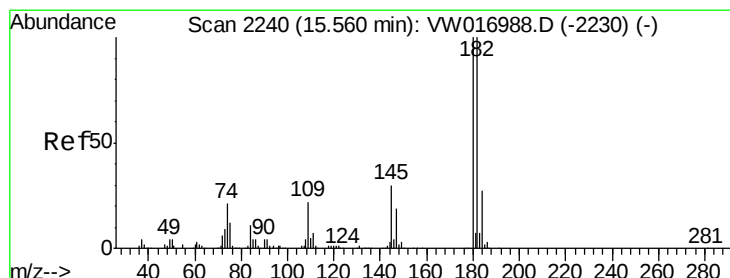
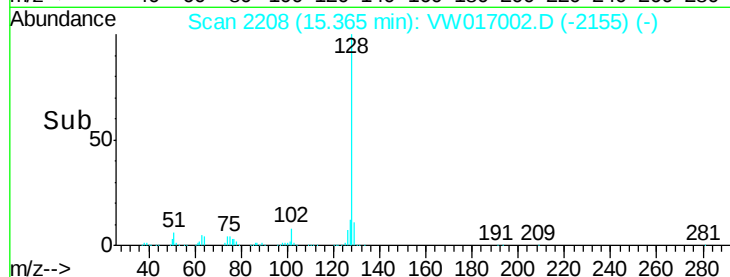
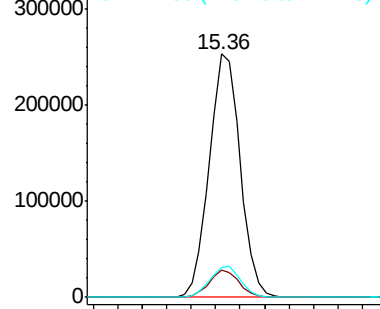
127 12.5 10.0 15.0



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: 29.755 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017002.D

Acq: 26 Oct 2020 16:33

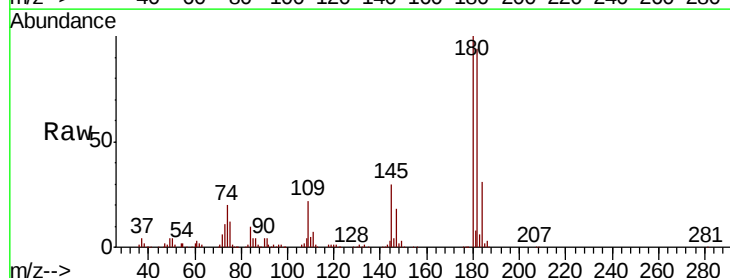
Tgt Ion:180 Resp: 204659

Ion Ratio Lower Upper

180 100

182 96.2 76.8 115.2

145 32.2 25.4 38.2



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

