

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\
 Data File : VW017200.D
 Acq On : 12 Nov 2020 21:14
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Nov 13 04:22:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 13 04:11:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	417029	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	380311	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194981	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	118280	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.08%
7) Chloroethane-d5	2.89	69	105151	25.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.92%
10) 1,1-Dichloroethene-d2	4.03	63	223945	23.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.36%
20) 2-Butanone-d5	7.08	46	62026	52.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.60%
24) Chloroform-d	7.65	84	283612	29.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	116.52%
26) 1,2-Dichloroethane-d4	8.31	65	142993	29.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.16%
29) Benzene-d6	8.27	84	513077	26.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.96%
33) 1,2-Dichloropropane-d6	9.27	67	144880	27.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.20%
37) Toluene-d8	10.33	98	501710	27.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.88%
38) trans-1,3-Dichloropropene-	10.58	79	66900	27.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.80%
39) 2-Hexanone-d5	10.93	63	54272	58.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132655	28.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	206326	30.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	120.16%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	87671	20.953	ug/L	97
3) Chloromethane	2.21	50	69508	18.304	ug/L	99
5) Vinyl chloride	2.37	62	117520	21.100	ug/L	99
6) Bromomethane	2.78	94	92679	24.062	ug/L	97
8) Chloroethane	2.93	64	74725	22.236	ug/L	96
9) Trichlorofluoromethane	3.26	101	101791	22.471	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	123025	22.855	ug/L	100
12) 1,1-Dichloroethene	4.04	96	111555	21.553	ug/L	89
13) Acetone	4.12	43	31565	40.133	ug/L	96
14) Carbon disulfide	4.39	76	260201	18.472	ug/L	100
15) Methyl Acetate	4.68	43	38194	19.592	ug/L	98
16) Methylene chloride	4.92	84	119859	21.318	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	151408	23.956	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	118932	22.198	ug/L	100
19) 1,1-Dichloroethane	6.22	63	193430	22.787	ug/L	99
21) 2-Butanone	7.17	43	50688	40.137	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	130749	23.080	ug/L	98

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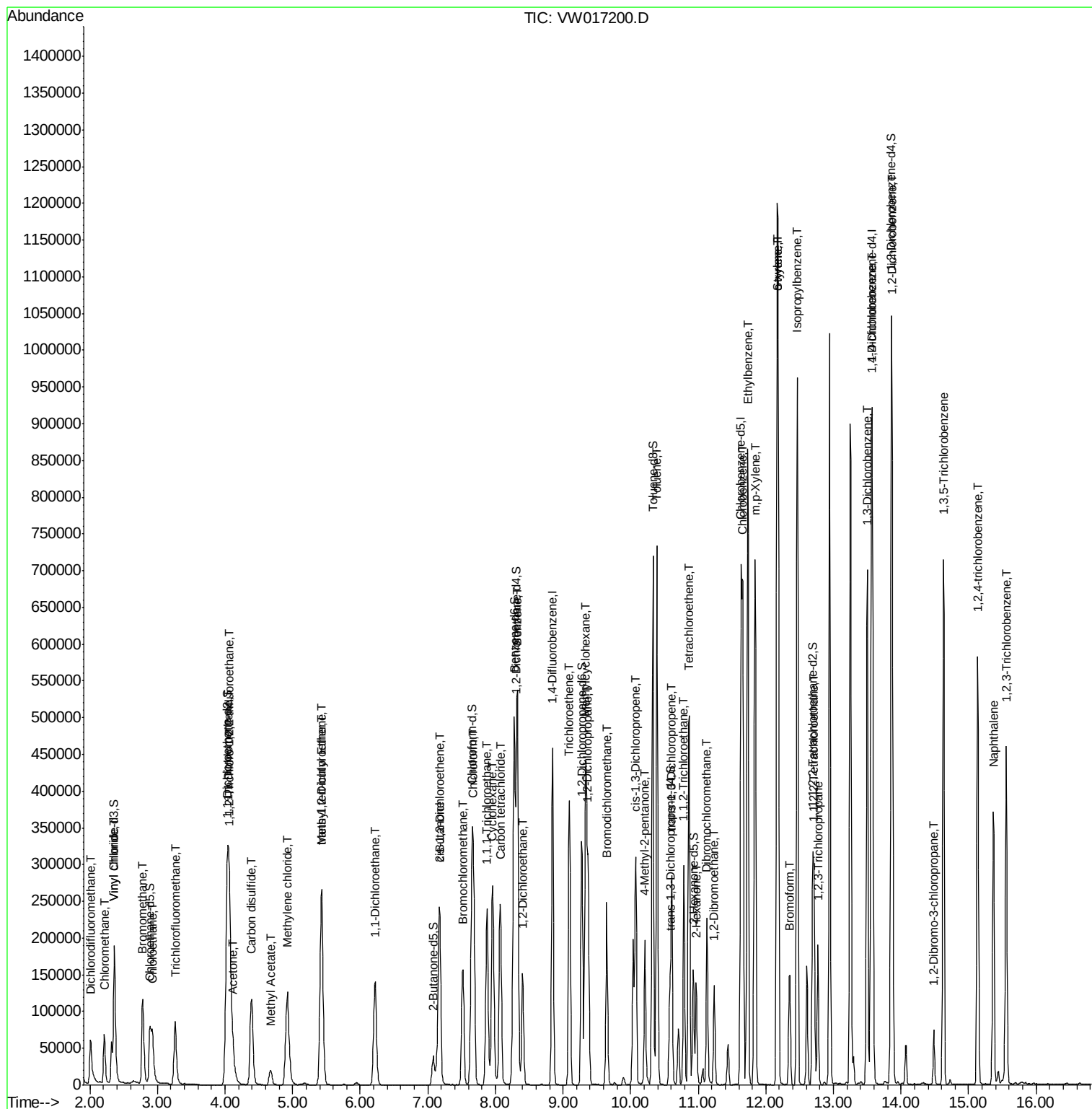
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64549	23.666	ug/L	88
25) Chloroform	7.68	83	225255	24.374	ug/L	98
27) 1,2-Dichloroethane	8.40	62	137093	24.754	ug/L	96
30) Cyclohexane	7.96	56	147329	20.575	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	196668	25.252	ug/L	98
32) Carbon tetrachloride	8.07	117	187764	24.985	ug/L	100
34) Benzene	8.32	78	450870	22.577	ug/L	100
35) Trichloroethene	9.09	95	130205	23.275	ug/L	100
36) Methylcyclohexane	9.34	83	197132	21.900	ug/L	97
40) 1,2-Dichloropropane	9.37	63	106510	22.816	ug/L	98
41) Bromodichloromethane	9.65	83	162400	25.153	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	176061	23.811	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	116675	40.511	ug/L	98
44) Toluene	10.39	91	527297	23.988	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	154662	24.356	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	92604	23.008	ug/L	98
47) Tetrachloroethene	10.87	164	122090	24.190	ug/L	95
49) 2-Hexanone	10.97	43	79607	45.847	ug/L	96
50) Dibromochloromethane	11.13	129	121410	24.760	ug/L	99
51) 1,2-Dibromoethane	11.24	107	90158	23.058	ug/L	97
52) Chlorobenzene	11.66	112	356773	23.997	ug/L	99
53) Ethylbenzene	11.73	91	601369	24.493	ug/L	100
54) m,p-Xylene	11.84	106	235673	24.538	ug/L	100
55) o-xylene	12.16	106	230303	25.263	ug/L	98
56) Styrene	12.18	104	385009	25.155	ug/L	97
57) Isopropylbenzene	12.46	105	634480	25.645	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	103588	22.279	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	73595	22.020	ug/L	98
62) Bromoform	12.35	173	71932	24.033	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	304760	25.126	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	303974	24.945	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	275737	25.209	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16598	22.951	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	229731	25.703	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	190895	26.764	ug/L	99
69) Naphthalene	15.36	128	327521	24.952	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	170192	26.115	ug/L	99

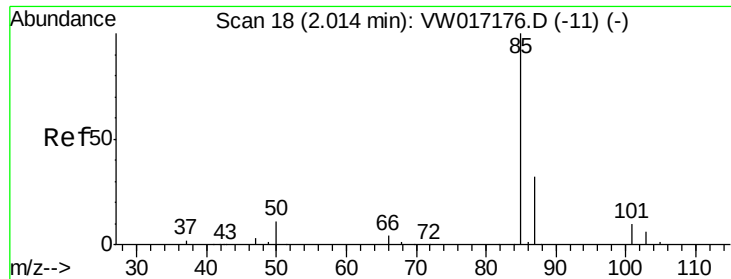
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.953 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

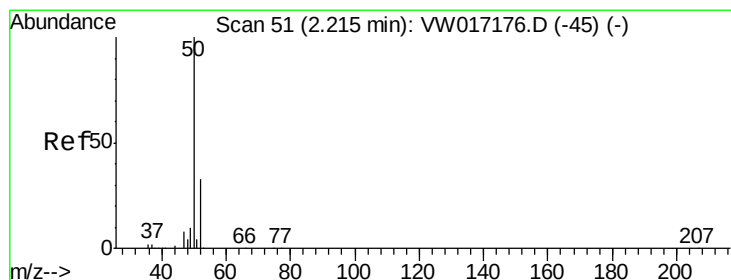
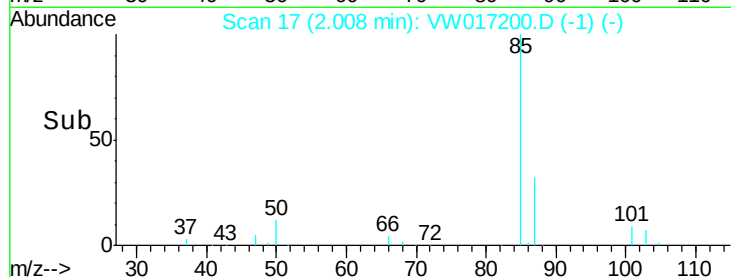
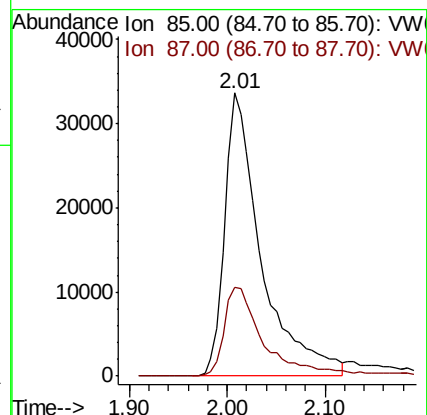
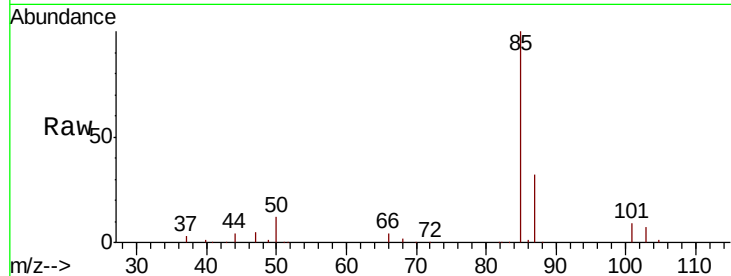
VSTD02525

Tot Ion: 85 Resp: 87671

Ion Ratio Lower Upper

85 100

87 32.3 21.5 39.9



#3

Chloromethane

Concen: 18.304 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017200.D

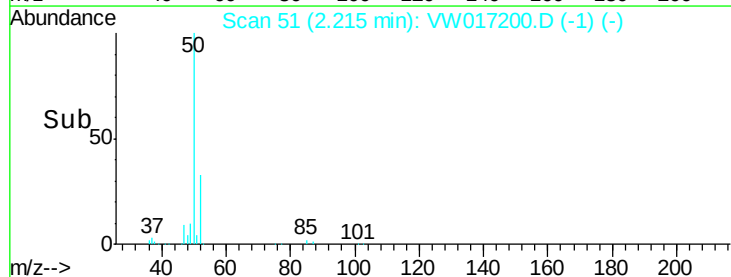
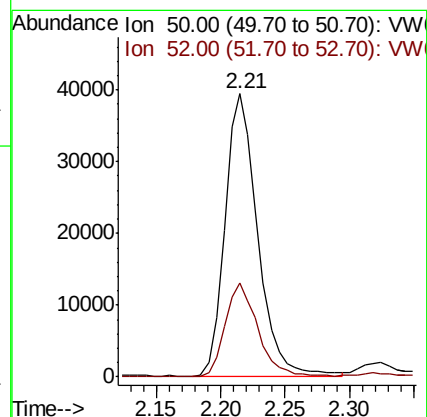
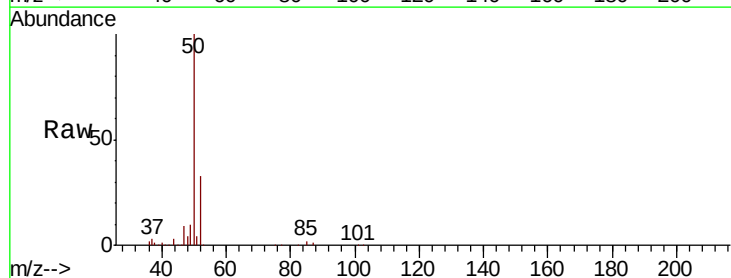
Acq: 12 Nov 2020 21:14

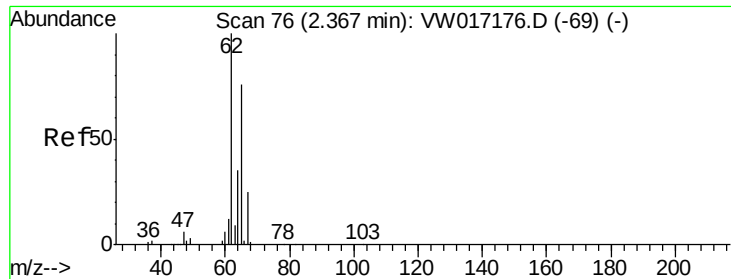
Tgt Ion: 50 Resp: 69508

Ion Ratio Lower Upper

50 100

52 33.4 23.1 42.9





#5

Vinyl chloride

Concen: 21.100 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

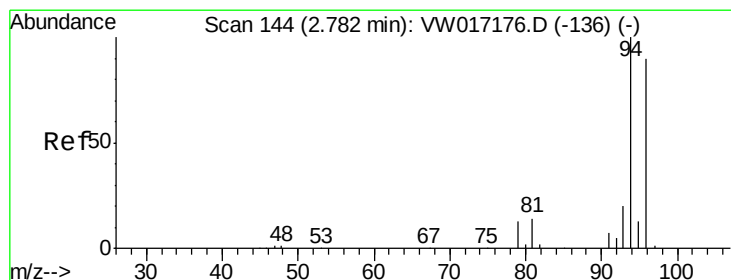
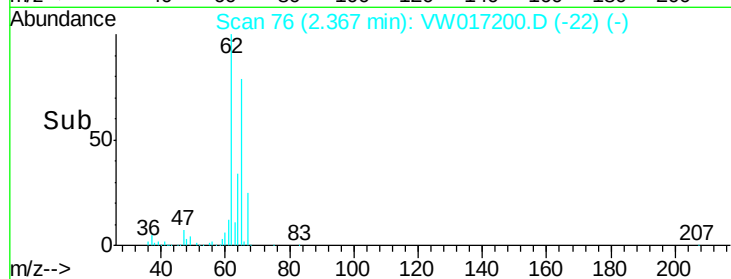
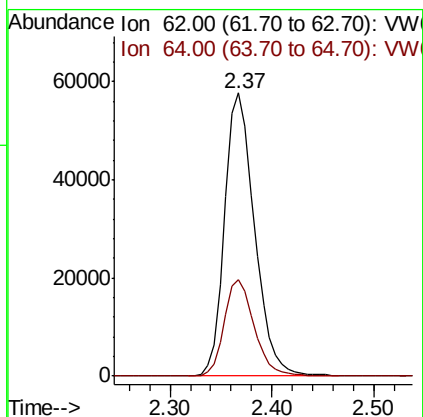
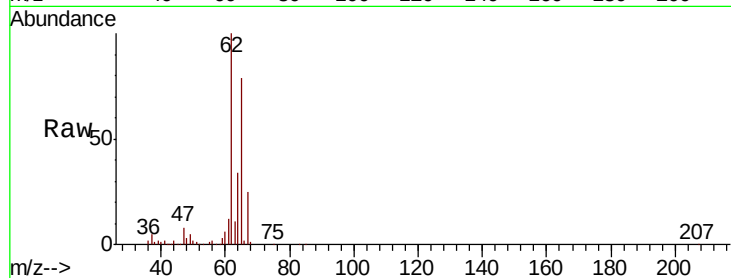
VSTD02525

Tot Ion: 62 Resp: 117520

Ion Ratio Lower Upper

62 100

64 34.0 23.3 43.3



#6

Bromomethane

Concen: 24.062 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017200.D

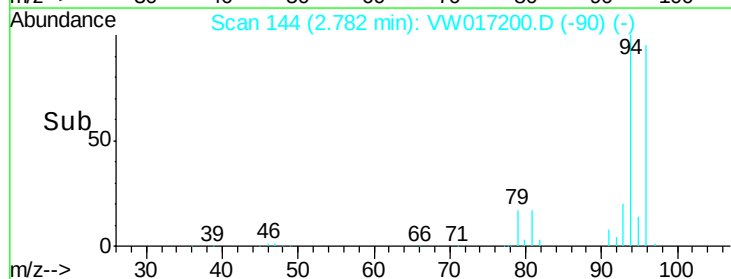
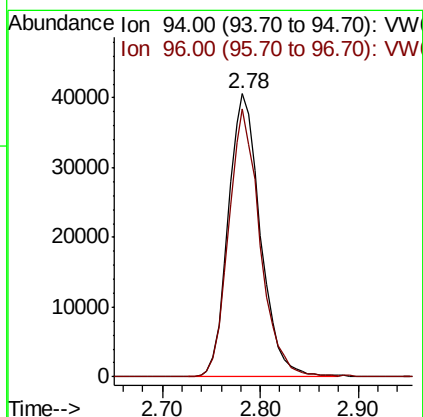
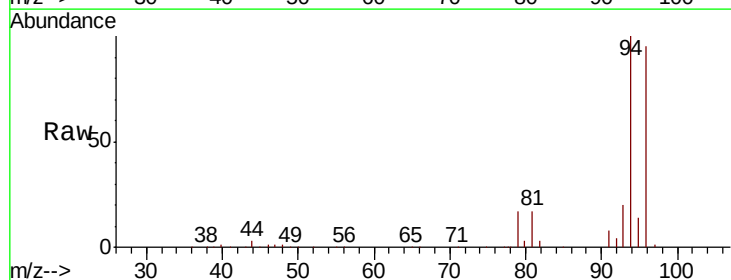
Acq: 12 Nov 2020 21:14

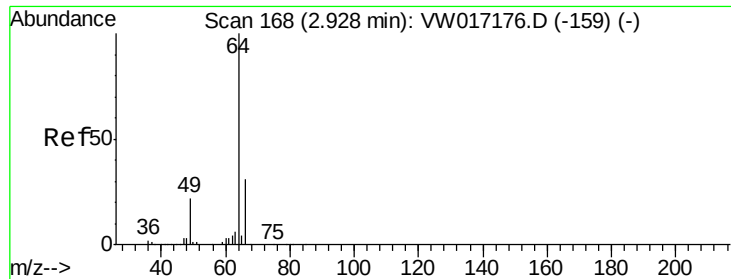
Tgt Ion: 94 Resp: 92679

Ion Ratio Lower Upper

94 100

96 92.4 9.6 181.8

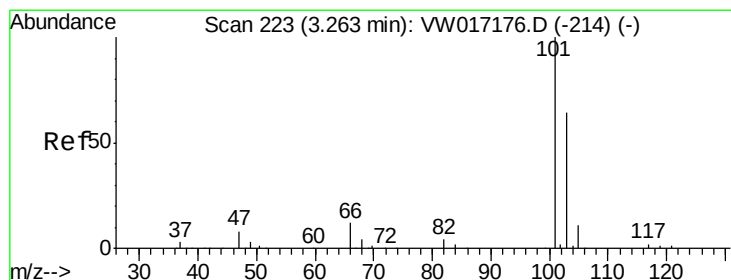
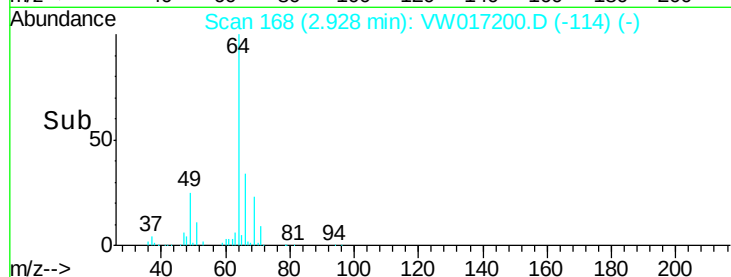
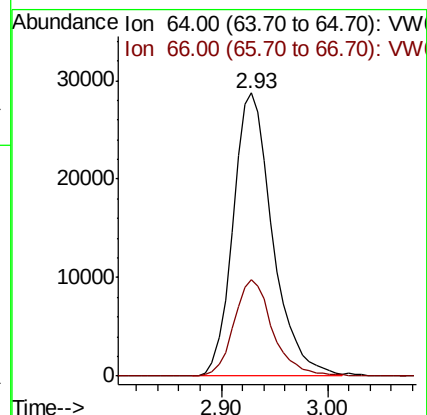
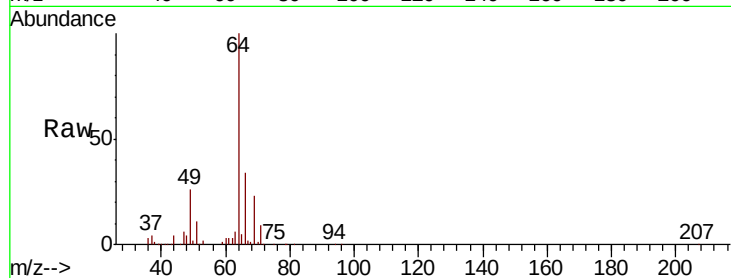




#8
Chloroethane
Concen: 22.236 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW017200.D
Acq: 12 Nov 2020 21:14

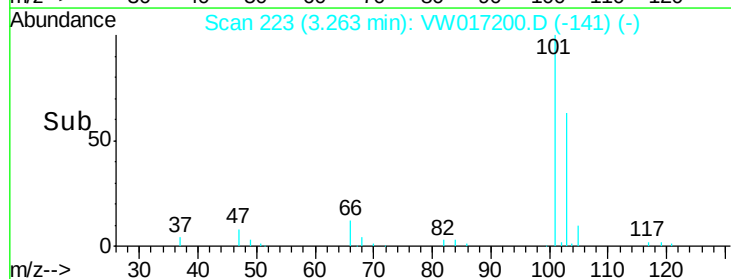
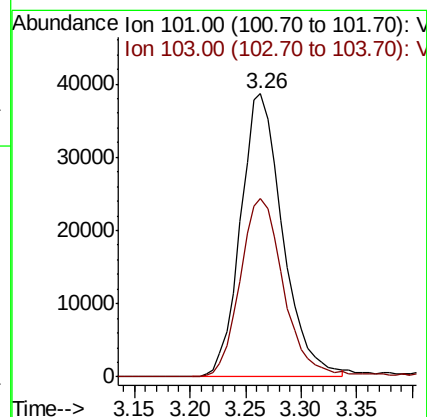
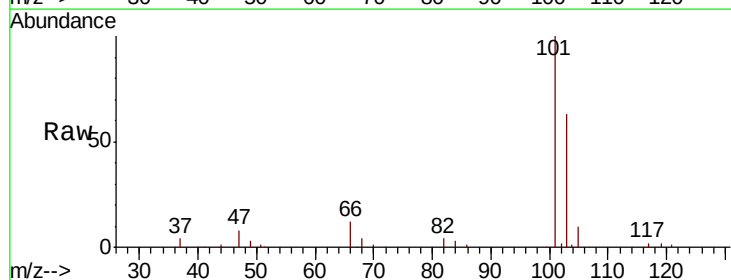
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

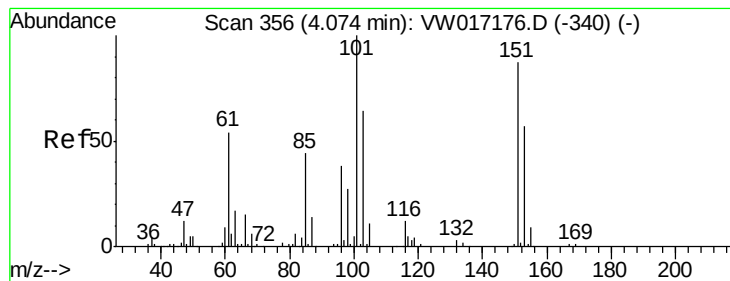
Tot Ion: 64 Resp: 74725
Ion Ratio Lower Upper
64 100
66 34.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 22.471 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW017200.D
Acq: 12 Nov 2020 21:14

Tgt Ion: 101 Resp: 101791
Ion Ratio Lower Upper
101 100
103 64.9 45.4 84.2





#11

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

Concen: 22.855 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

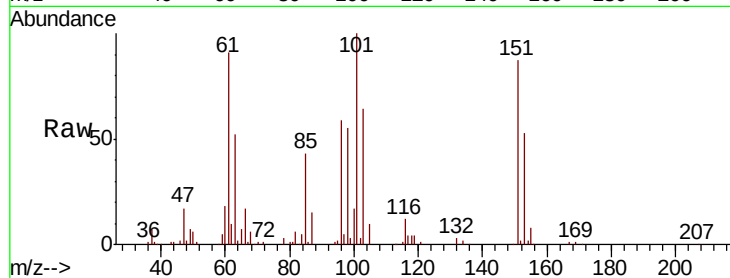
Tot Ion:101 Resp: 123025

Ion Ratio Lower Upper

101 100

85 41.4 32.8 49.2

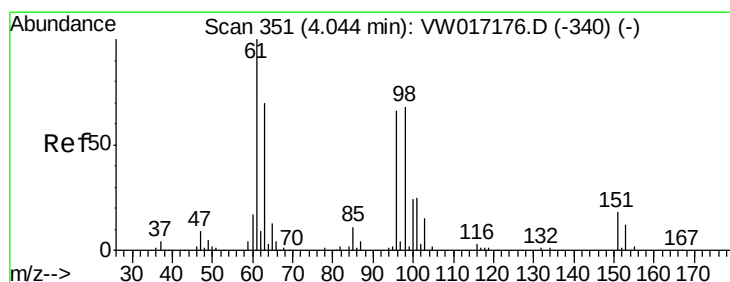
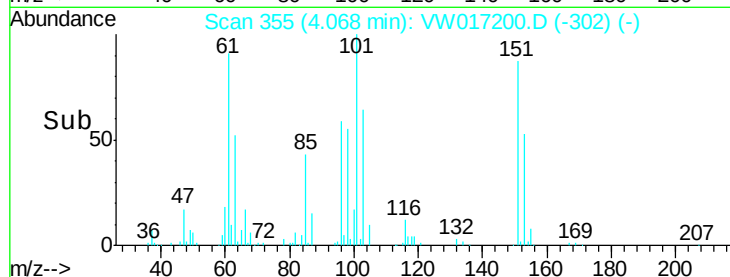
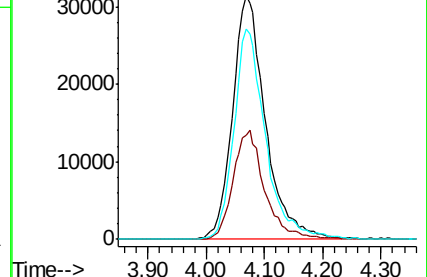
151 81.8 65.4 98.2



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: 21.553 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

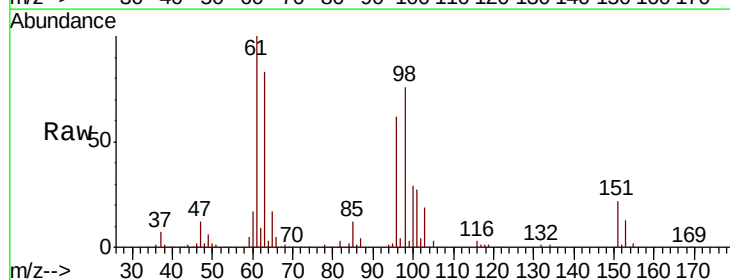
Tgt Ion: 96 Resp: 111555

Ion Ratio Lower Upper

96 100

61 161.1 103.8 192.8

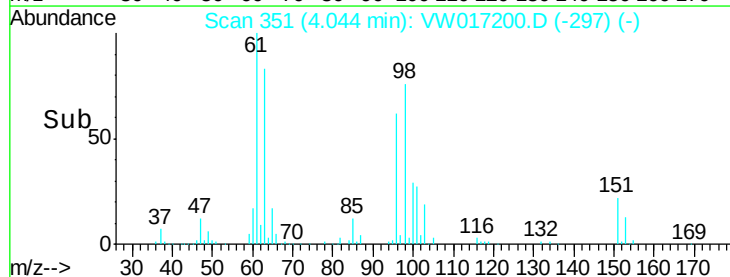
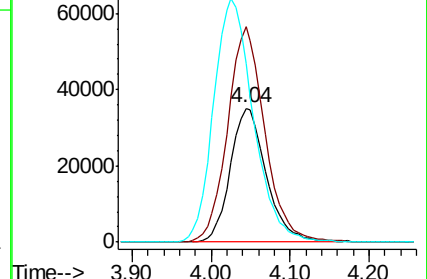
63 133.0 84.4 156.7

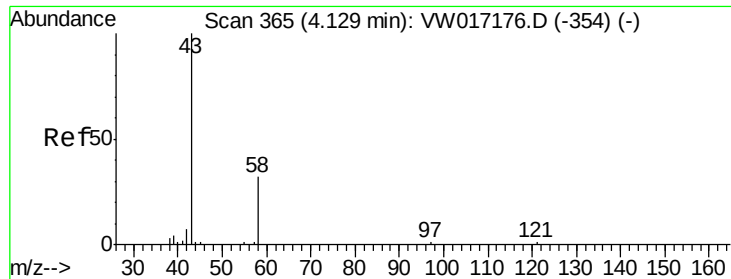


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.133 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampled :

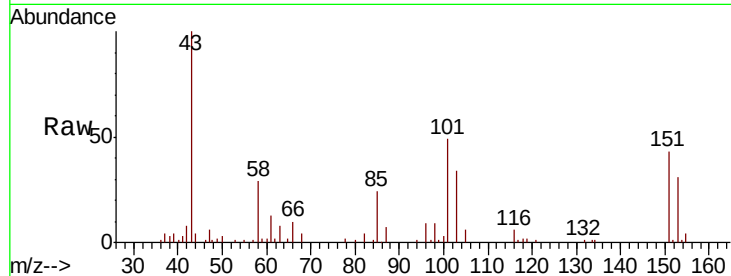
VSTD02525

Tot Ion: 43 Resp: 31565

Ion Ratio Lower Upper

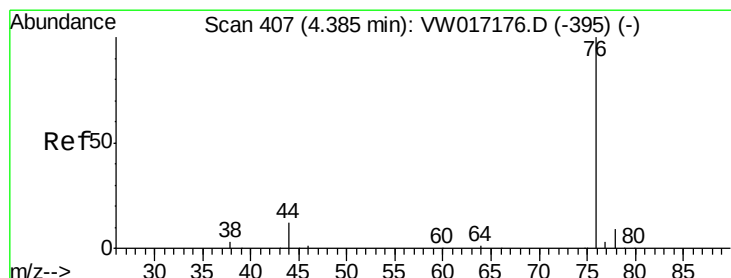
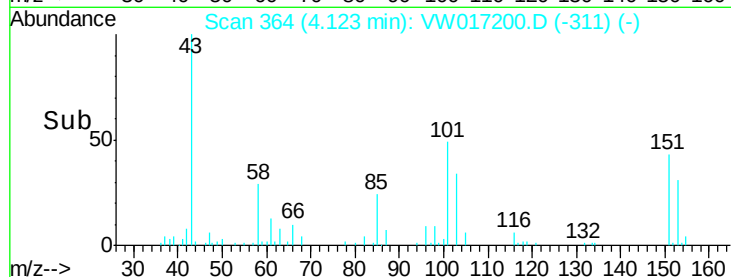
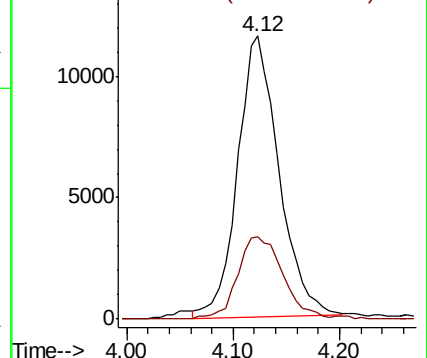
43 100

58 32.0 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 18.472 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017200.D

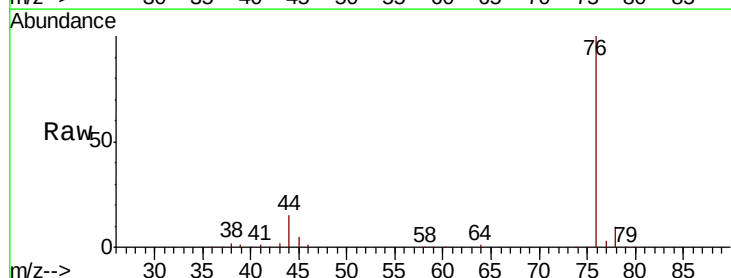
Acq: 12 Nov 2020 21:14

Tgt Ion: 76 Resp: 260201

Ion Ratio Lower Upper

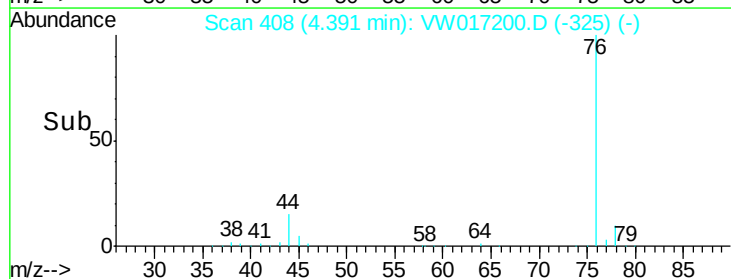
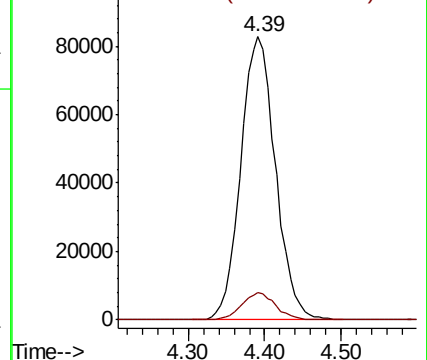
76 100

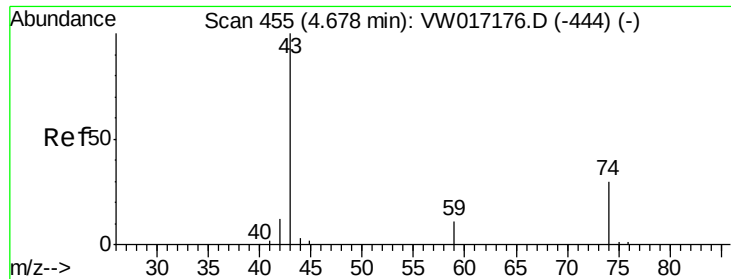
78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 19.592 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampled :

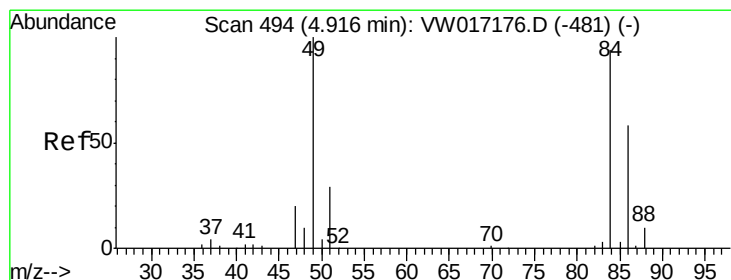
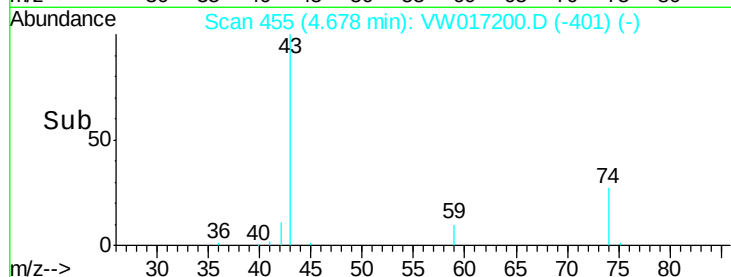
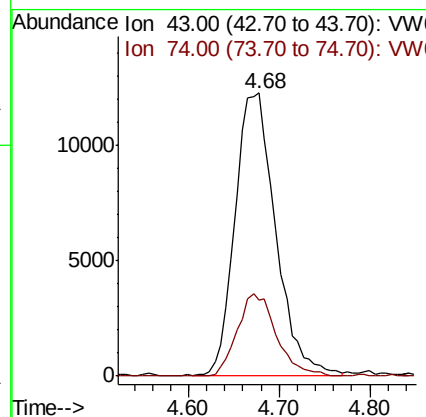
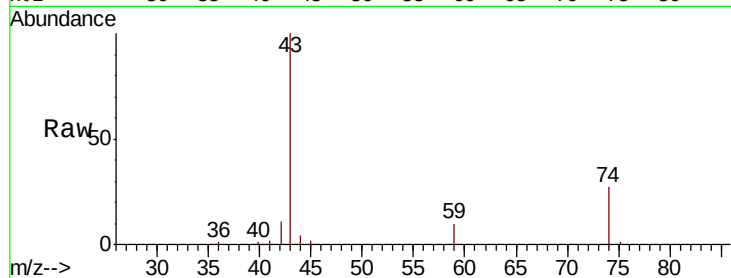
VSTD02525

Tot Ion: 43 Resp: 38194

Ion Ratio Lower Upper

43 100

74 27.8 21.5 32.3



#16

Methylene chloride

Concen: 21.318 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

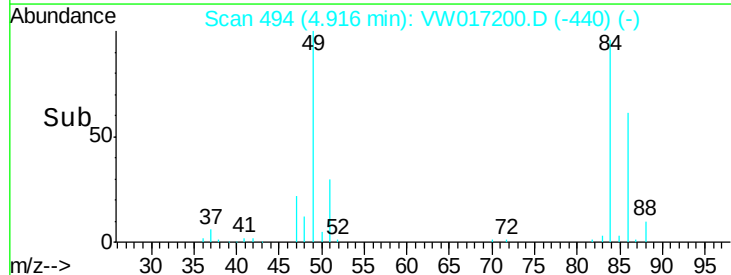
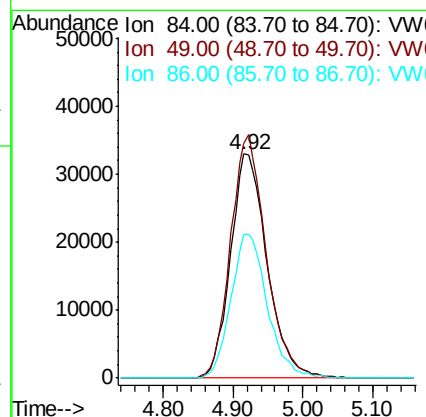
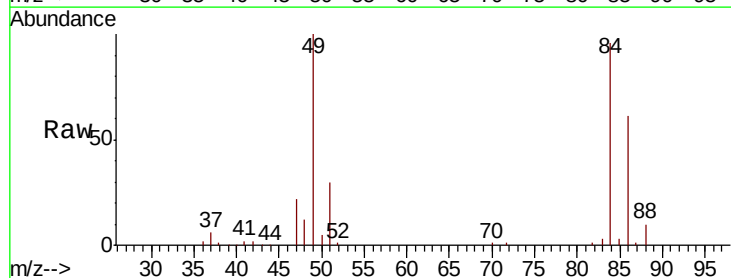
Tgt Ion: 84 Resp: 119859

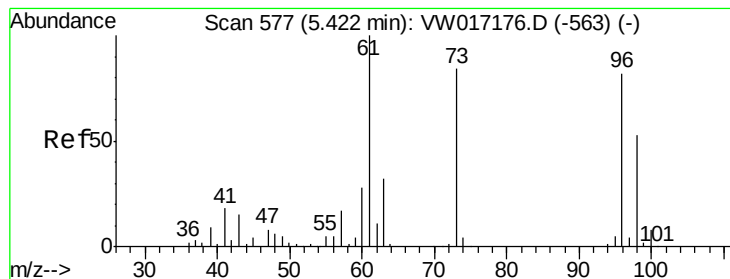
Ion Ratio Lower Upper

84 100

49 104.7 72.3 134.3

86 63.9 45.1 83.7



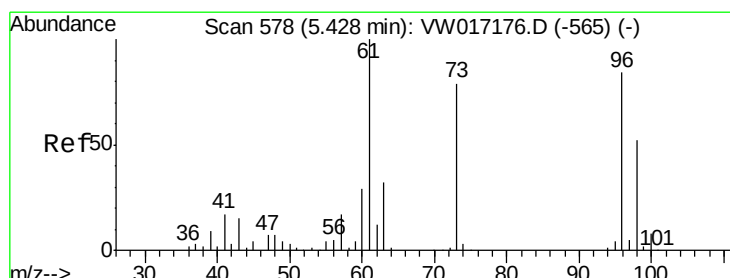
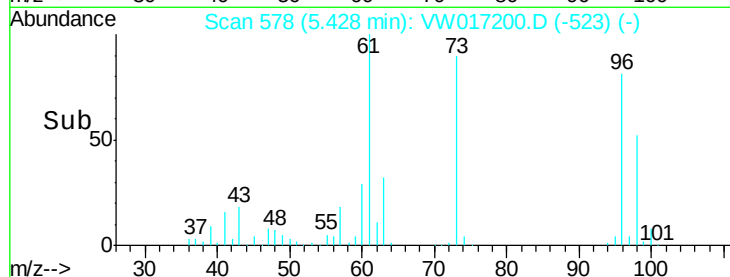
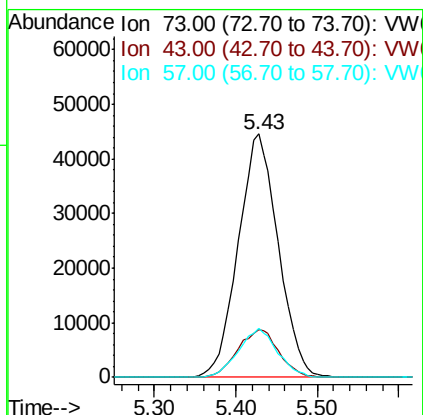
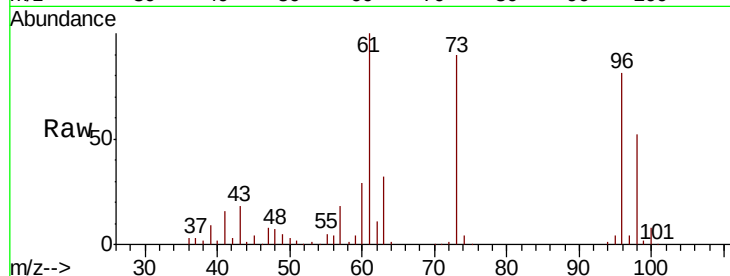


#17

Methyl tert-butyl Ether
 Concen: 23.956 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW017200.D
 Acq: 12 Nov 2020 21:14

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02525

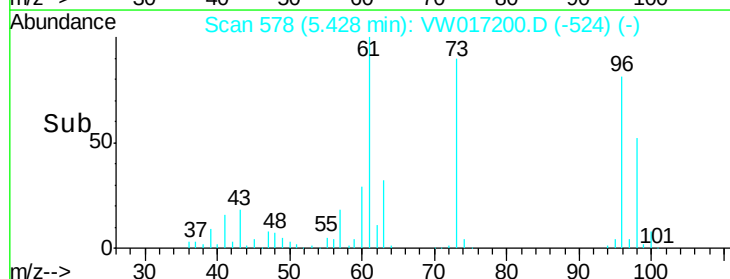
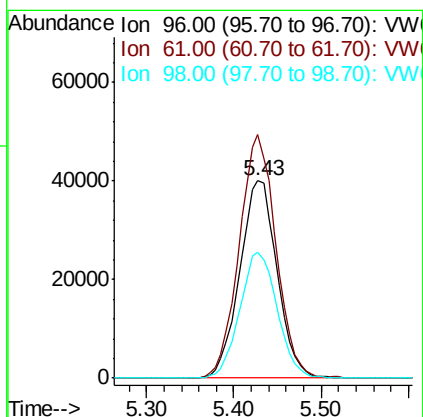
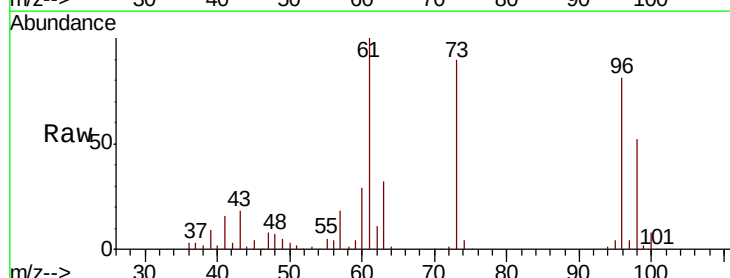
Tot Ion: 73 Resp: 151408
 Ion Ratio Lower Upper
 73 100
 43 20.4 14.5 21.7
 57 19.6 16.3 24.5

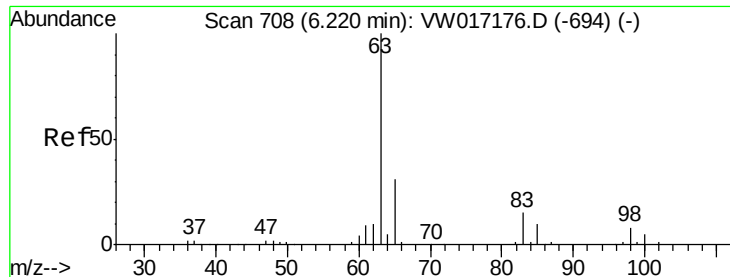


#18

trans-1,2-Dichloroethene
 Concen: 22.198 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW017200.D
 Acq: 12 Nov 2020 21:14

Tgt Ion: 96 Resp: 118932
 Ion Ratio Lower Upper
 96 100
 61 123.4 86.8 161.2
 98 63.7 44.4 82.4





#19

1,1-Dichloroethane

Concen: 22.787 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

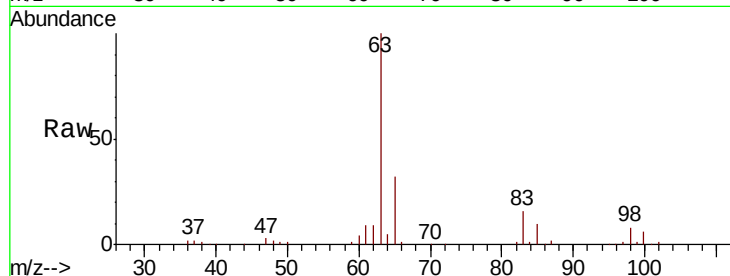
Tot Ion: 63 Resp: 193430

Ion Ratio Lower Upper

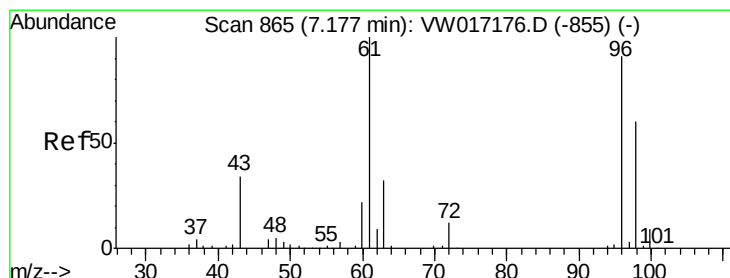
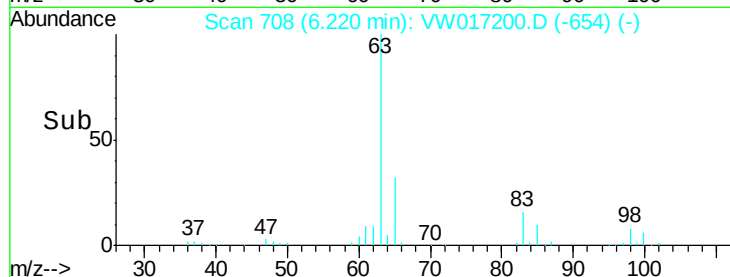
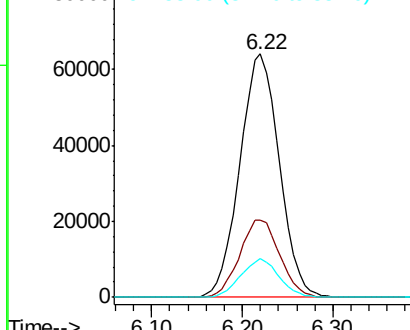
63 100

65 31.7 22.1 41.1

83 15.7 10.0 18.6



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: 40.137 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017200.D

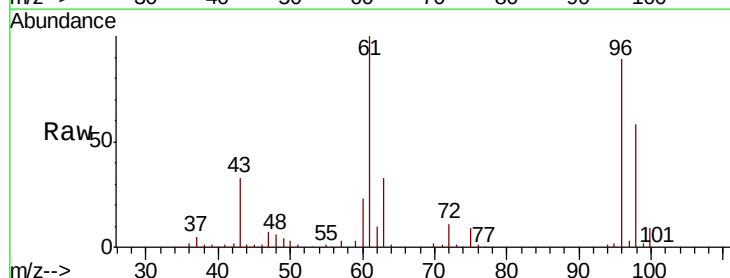
Acq: 12 Nov 2020 21:14

Tgt Ion: 43 Resp: 50688

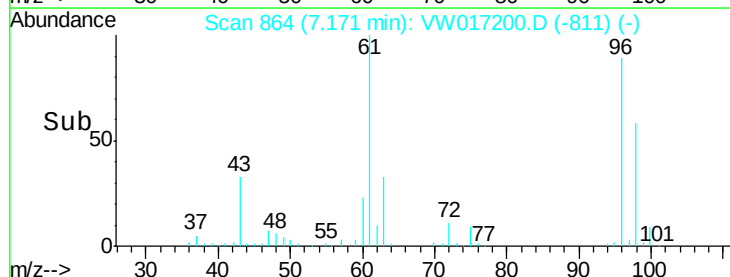
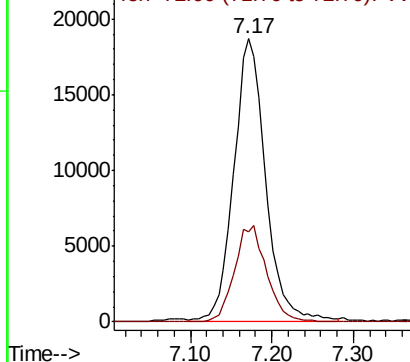
Ion Ratio Lower Upper

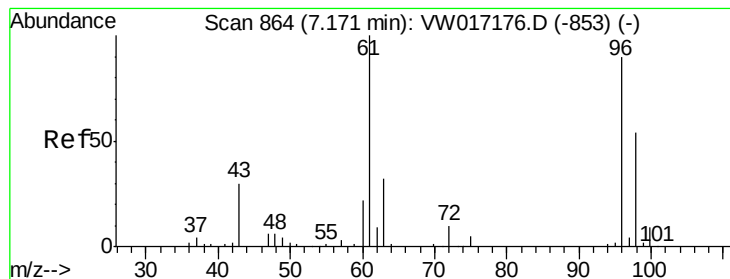
43 100

72 34.1 16.1 48.3



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: 23.080 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

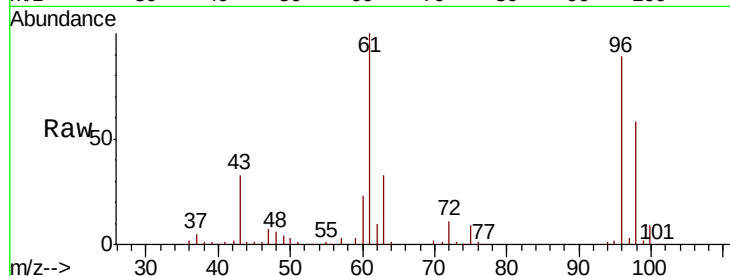
Tot Ion: 96 Resp: 130749

Ion Ratio Lower Upper

96 100

61 112.8 77.4 143.8

98 65.1 45.1 83.7

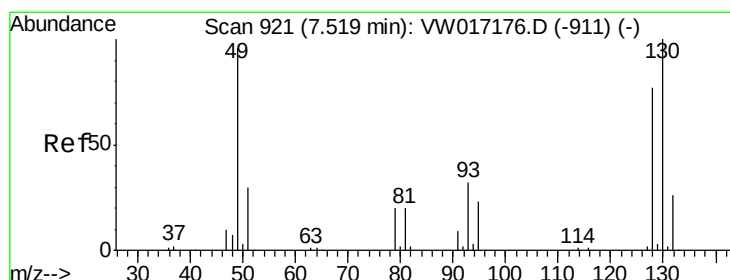
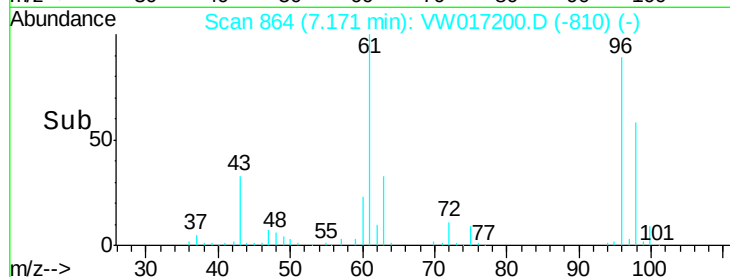
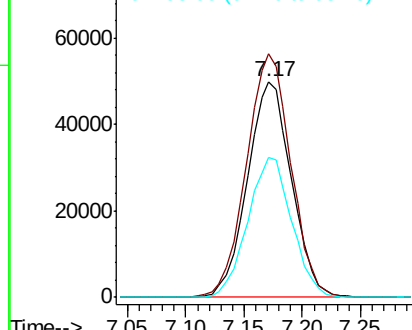


Abundance

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: 23.666 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Tgt Ion: 128 Resp: 64549

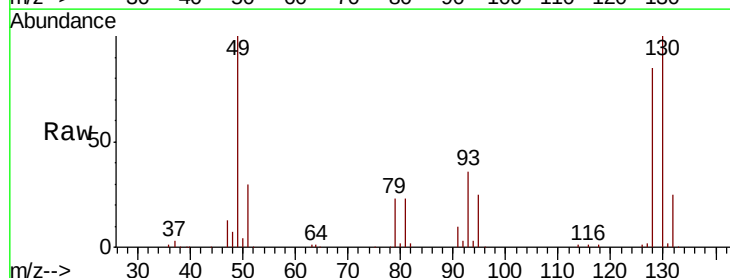
Ion Ratio Lower Upper

128 100

49 117.0 88.3 163.9

130 117.0 95.6 177.6

51 35.6 32.2 48.4



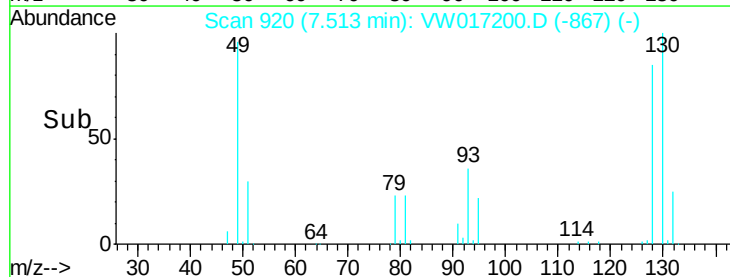
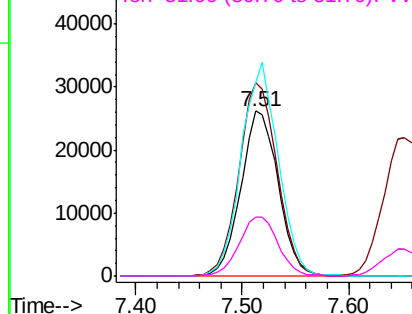
Abundance

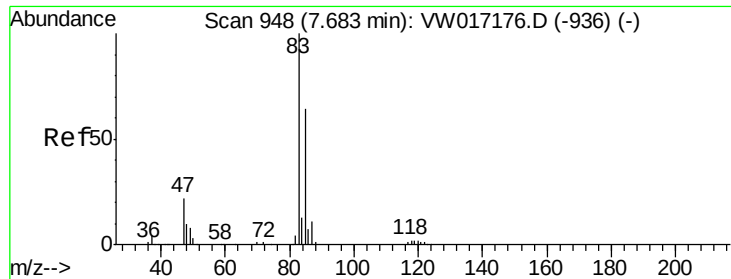
Ion 128.00 (127.70 to 128.70): V

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: 24.374 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

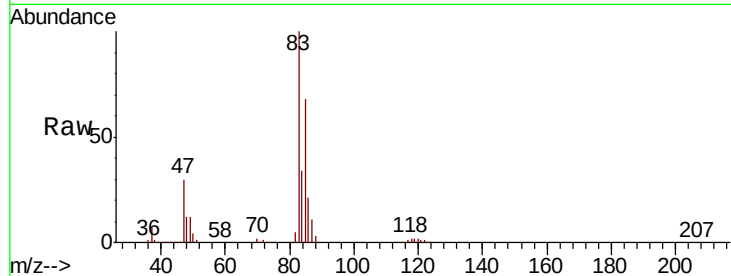
VSTD02525

Tot Ion: 83 Resp: 225255

Ion Ratio Lower Upper

83 100

85 68.2 46.4 86.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

100000

80000

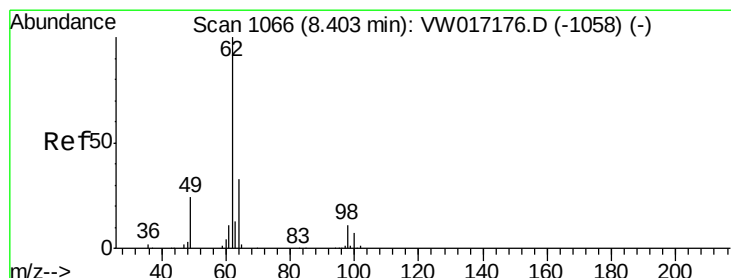
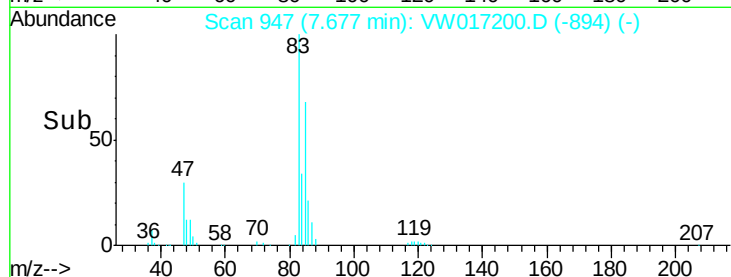
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 24.754 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017200.D

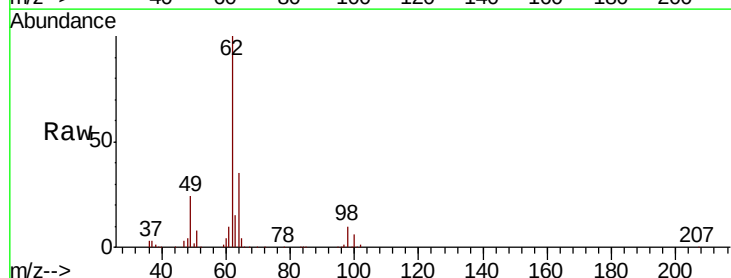
Acq: 12 Nov 2020 21:14

Tgt Ion: 62 Resp: 137093

Ion Ratio Lower Upper

62 100

98 10.0 9.4 14.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

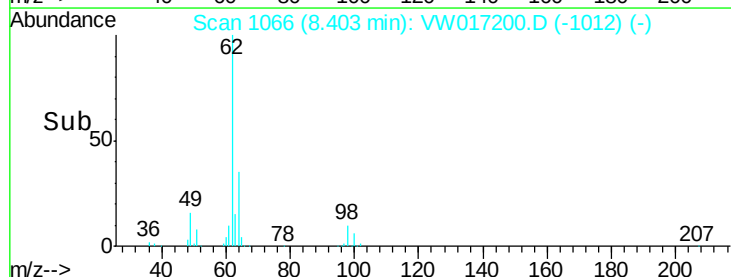
60000

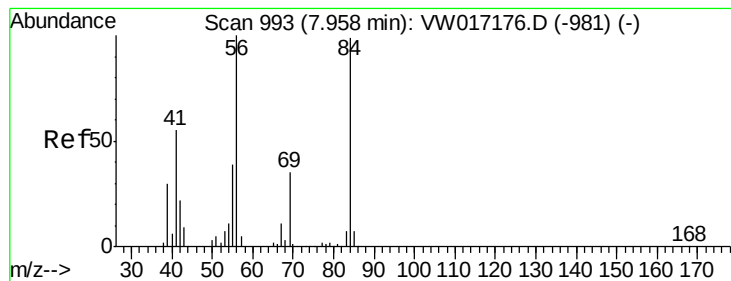
40000

20000

0

Time-->





#30

Cyclohexane

Concen: 20.575 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

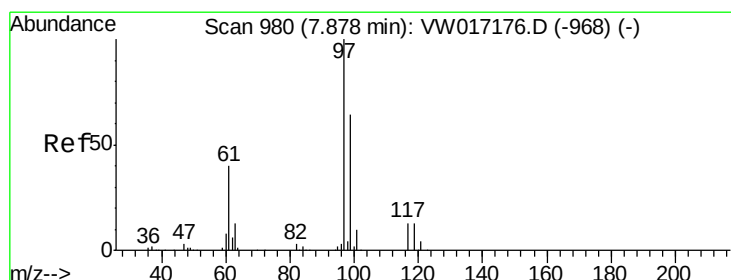
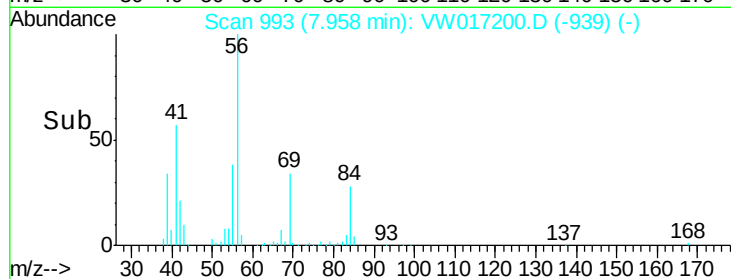
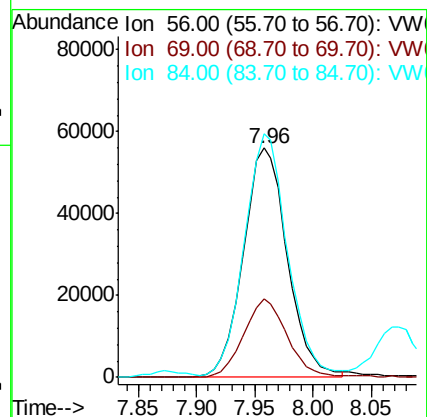
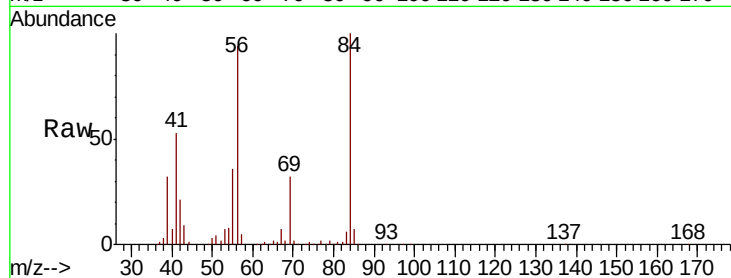
Tot Ion: 56 Resp: 147329

Ion Ratio Lower Upper

56 100

69 33.6 26.1 39.1

84 104.5 79.1 118.7



#31

1,1,1-Trichloroethane

Concen: 25.252 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

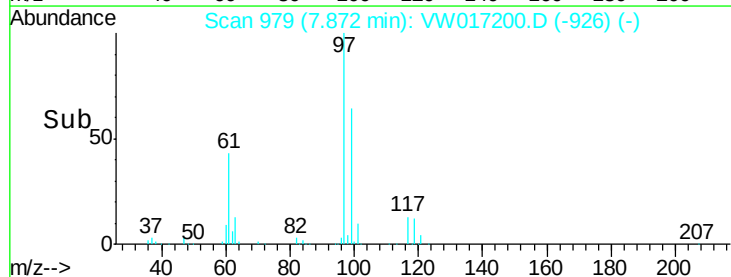
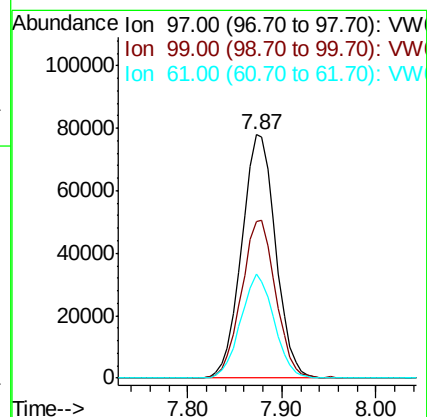
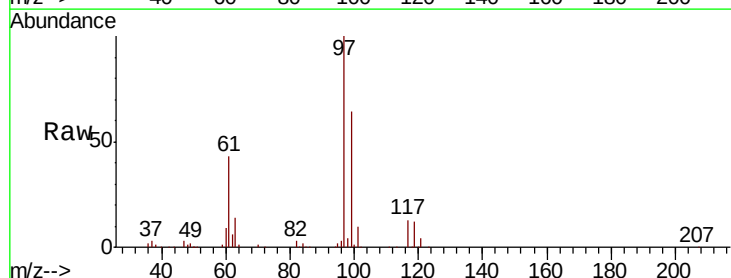
Tgt Ion: 97 Resp: 196668

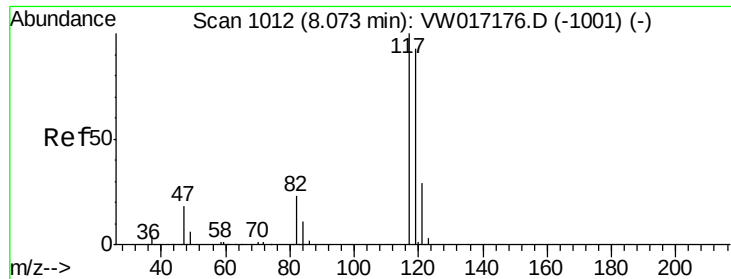
Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.0

61 41.9 31.6 47.4





#32

Carbon tetrachloride

Concen: 24.985 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

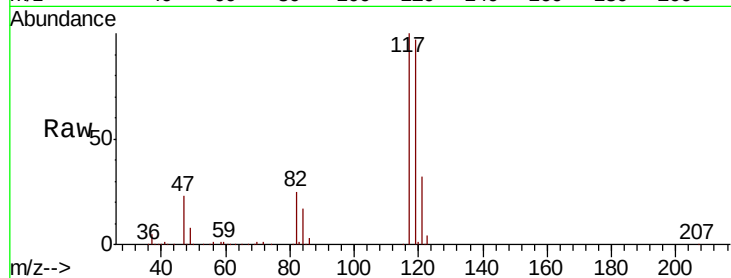
VSTD02525

Tot Ion:117 Resp: 187764

Ion Ratio Lower Upper

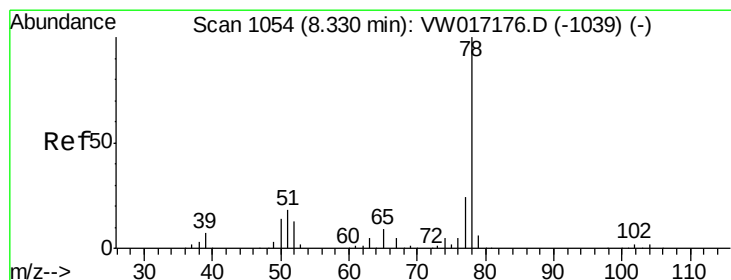
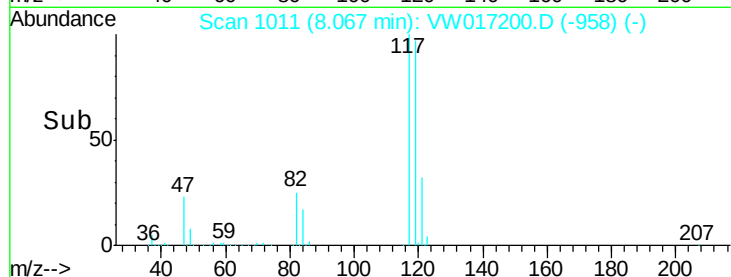
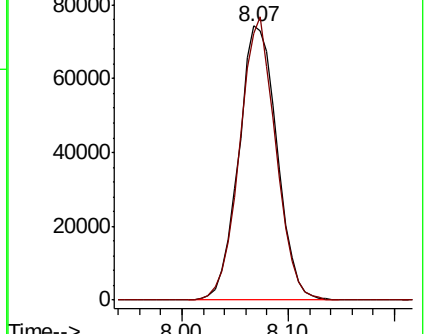
117 100

119 97.2 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.577 ug/L

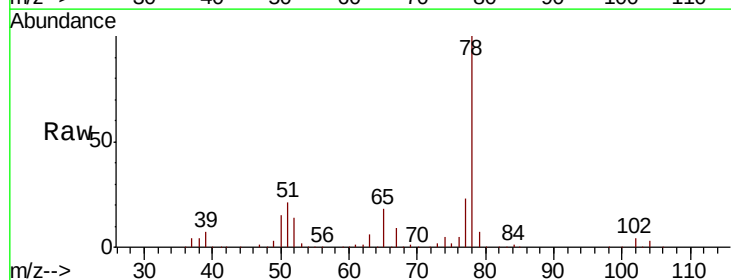
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

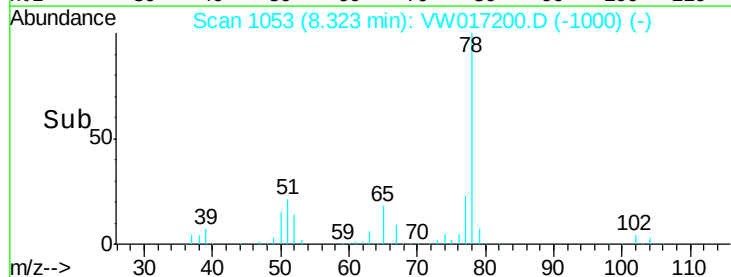
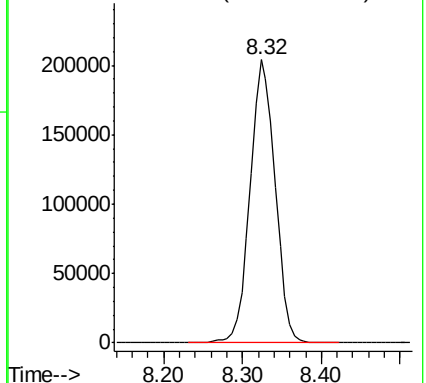
Lab File: VW017200.D

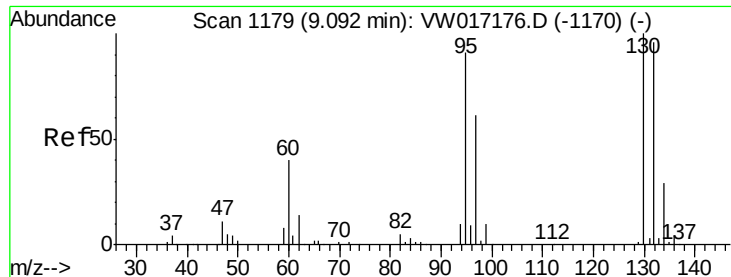
Acq: 12 Nov 2020 21:14

Tgt Ion: 78 Resp: 450870



Abundance Ion 78.00 (77.70 to 78.70): VW

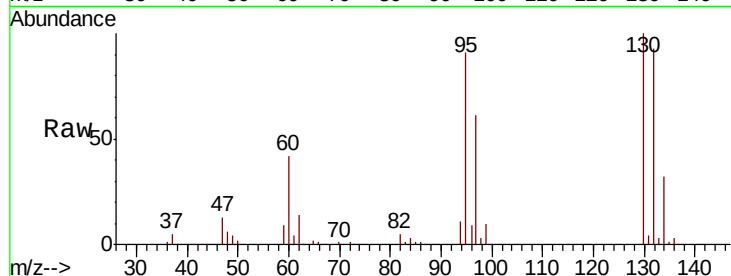




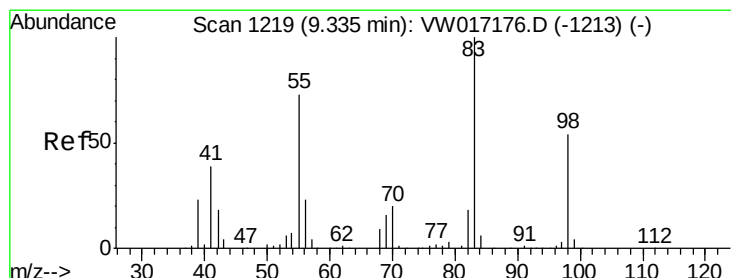
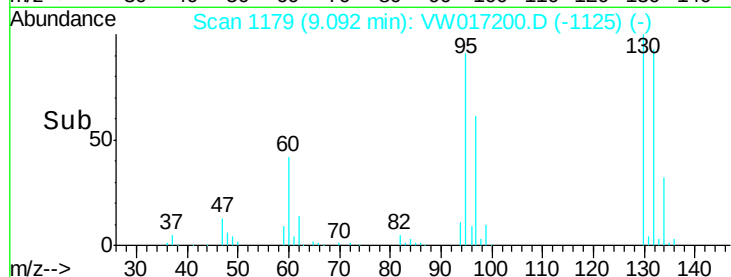
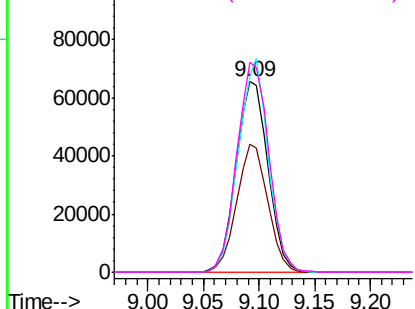
#35
 Trichloroethene
 Concen: 23.275 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017200.D
 Acq: 12 Nov 2020 21:14

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02525

Tot Ion: 95 Resp: 130205
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.0 83.6
 132 105.5 73.7 136.9
 130 110.3 77.1 143.1

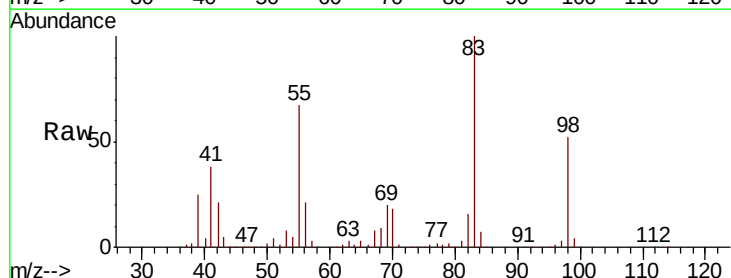


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

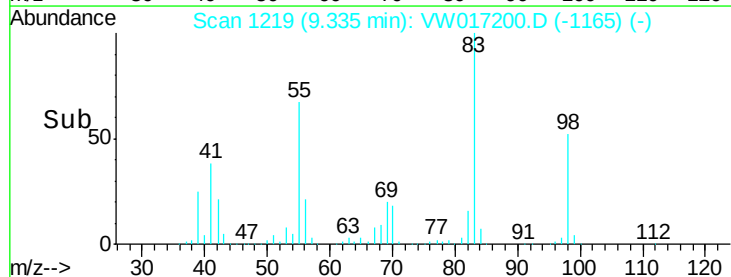
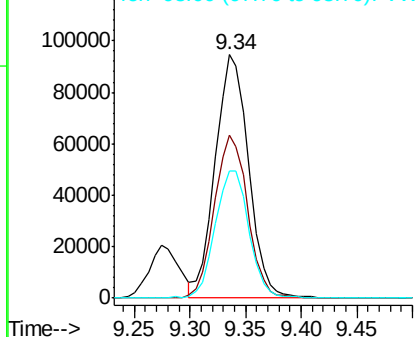


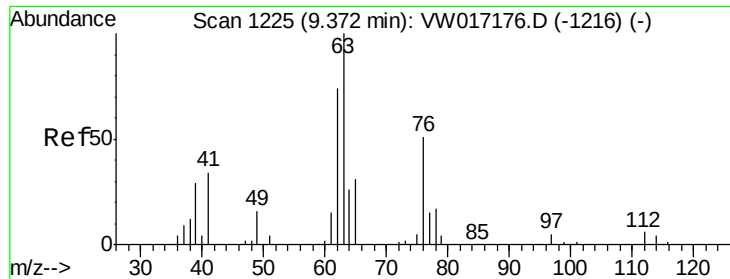
#36
 Methylcyclohexane
 Concen: 21.900 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017200.D
 Acq: 12 Nov 2020 21:14

Tgt Ion: 83 Resp: 197132
 Ion Ratio Lower Upper
 83 100
 55 66.4 54.4 81.6
 98 52.9 40.5 60.7



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: 22.816 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

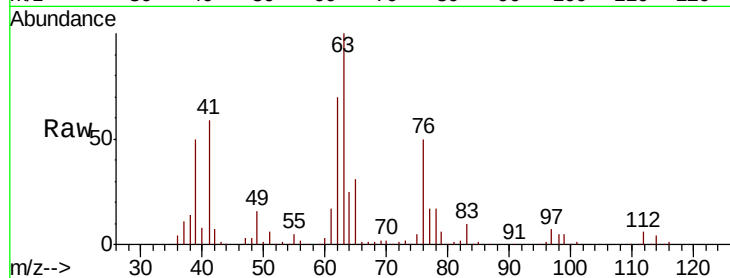
VSTD02525

Tot Ion: 63 Resp: 106510

Ion Ratio Lower Upper

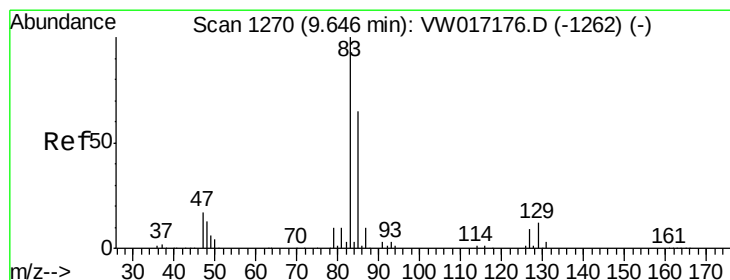
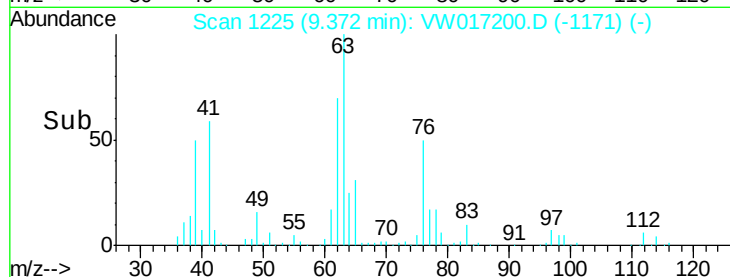
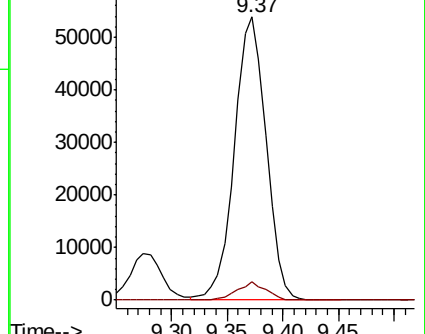
63 100

112 5.9 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.153 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

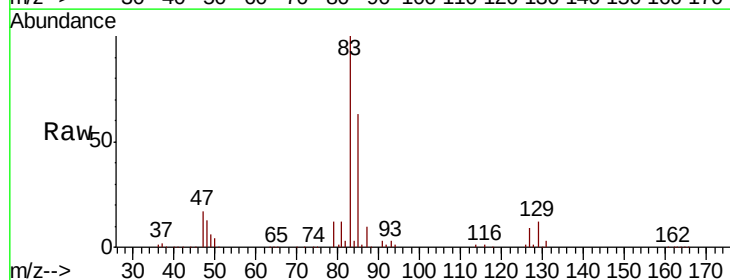
Tgt Ion: 83 Resp: 162400

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

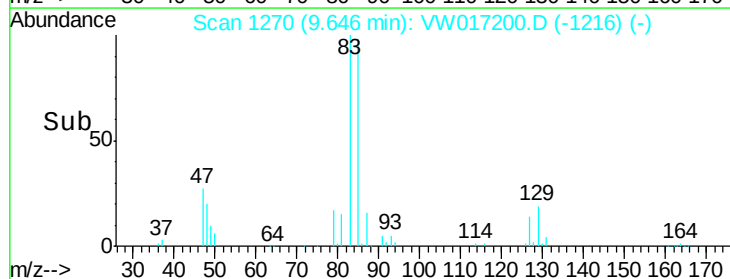
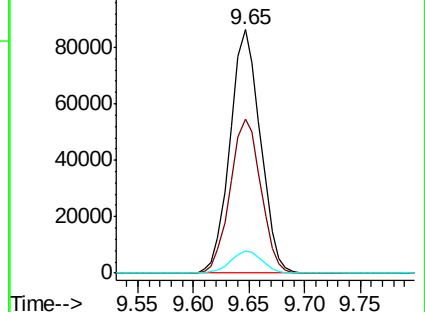
127 9.0 7.3 10.9

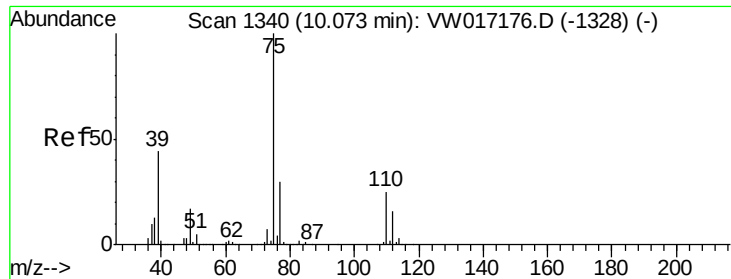


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.811 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

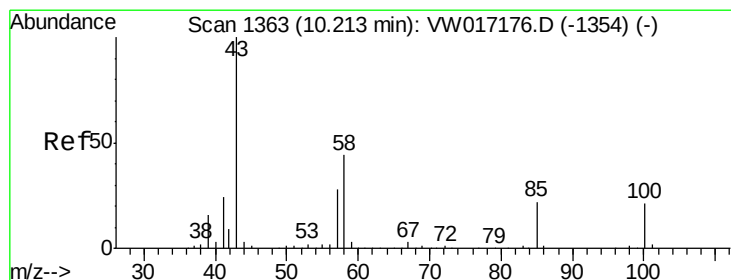
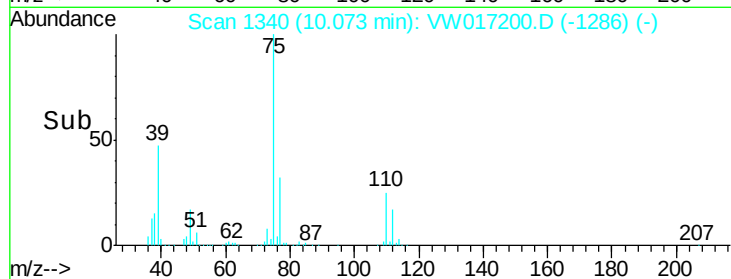
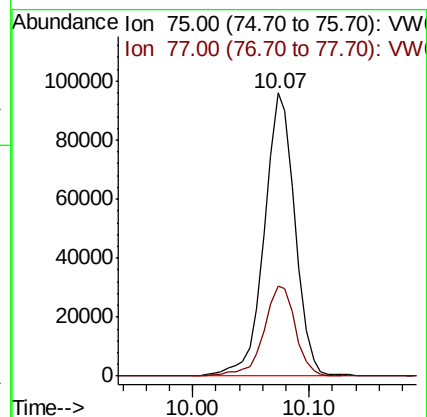
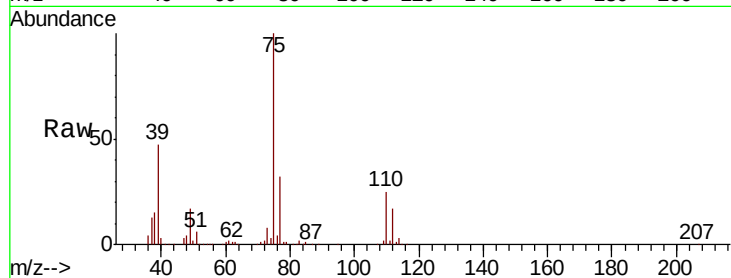
VSTD02525

Tot Ion: 75 Resp: 176061

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 40.511 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

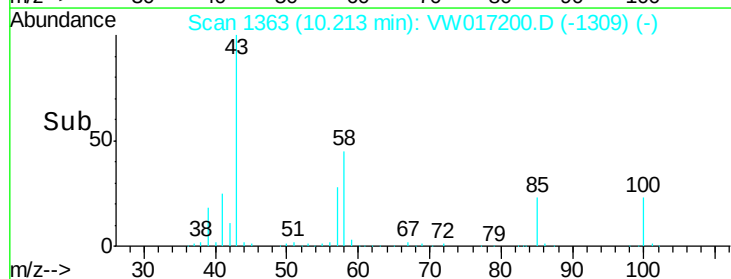
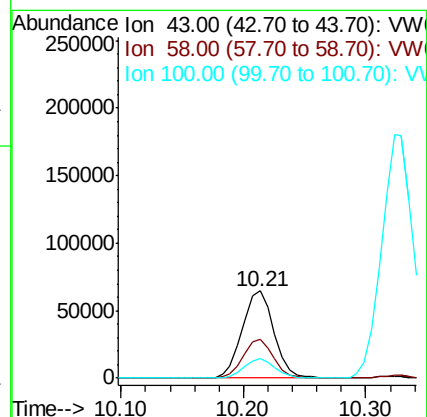
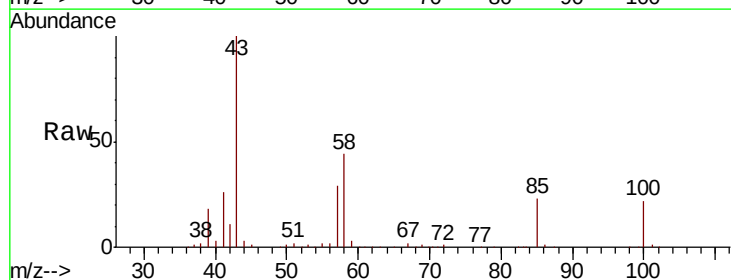
Tgt Ion: 43 Resp: 116675

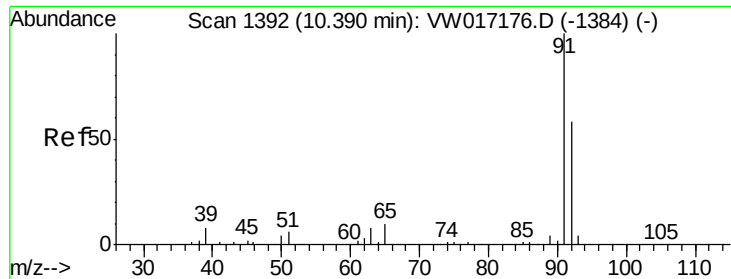
Ion Ratio Lower Upper

43 100

58 42.6 35.0 52.6

100 21.7 16.6 24.8





#44

Toluene

Concen: 23.988 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

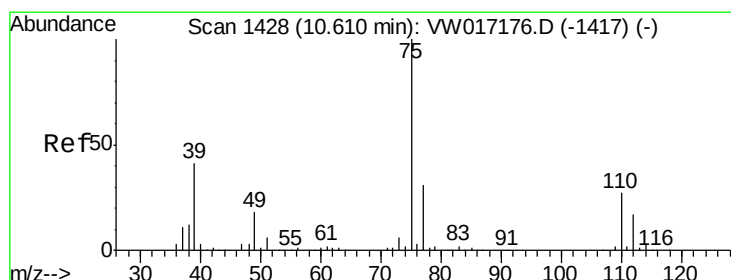
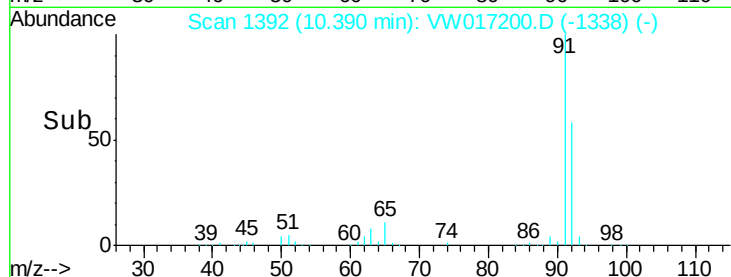
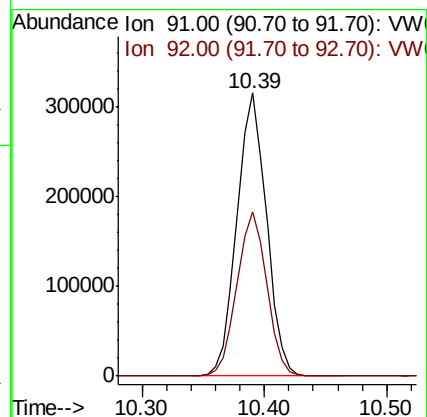
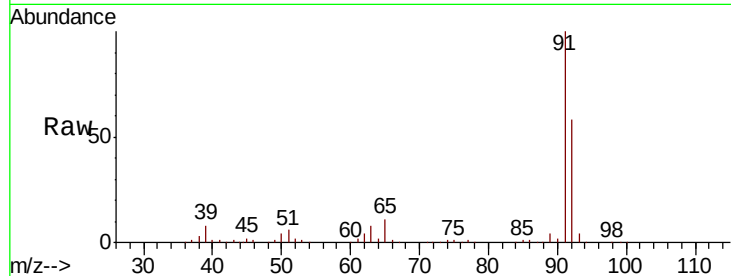
VSTD02525

Tot Ion: 91 Resp: 527297

Ion Ratio Lower Upper

91 100

92 57.9 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 24.356 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017200.D

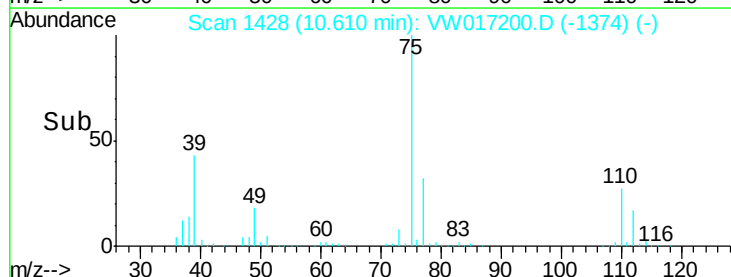
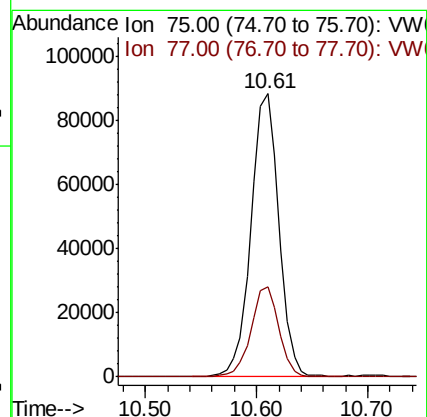
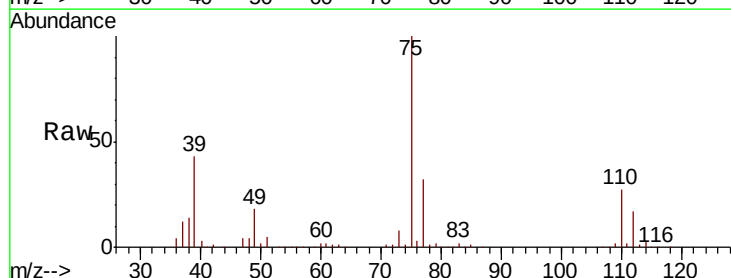
Acq: 12 Nov 2020 21:14

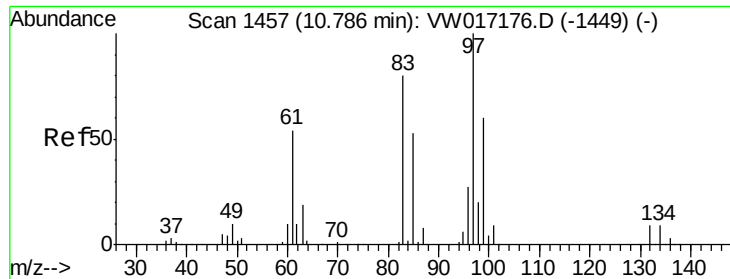
Tgt Ion: 75 Resp: 154662

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 23.008 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tot Ion: 97 Resp: 92604

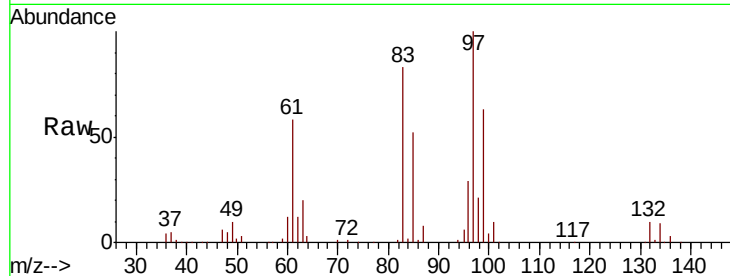
Ion Ratio Lower Upper

97 100

83 82.6 57.3 106.5

85 52.3 37.2 69.0

99 62.7 45.7 84.9



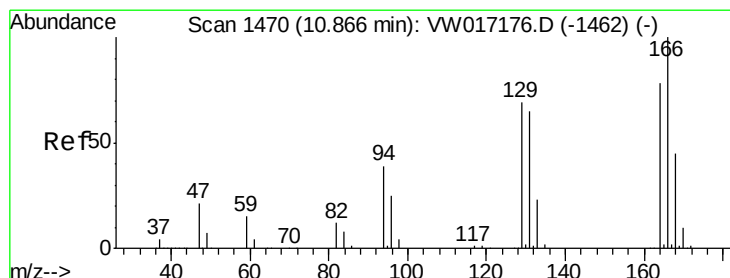
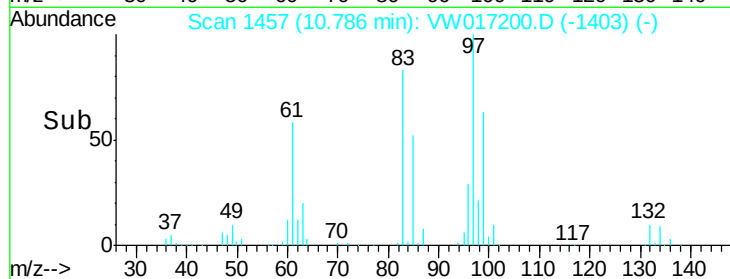
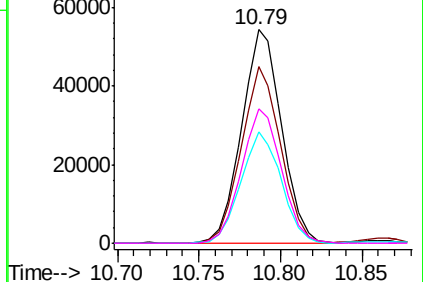
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.190 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Tgt Ion: 164 Resp: 122090

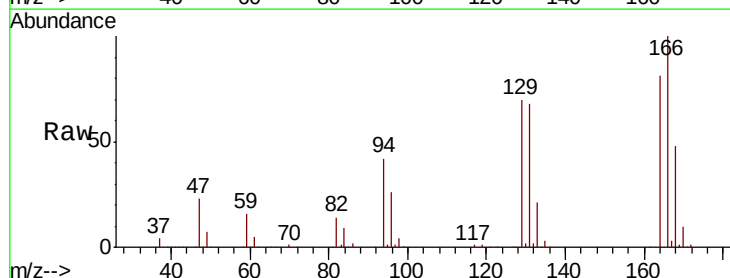
Ion Ratio Lower Upper

164 100

129 87.1 62.9 116.7

131 84.0 63.3 117.5

166 124.2 92.0 170.8



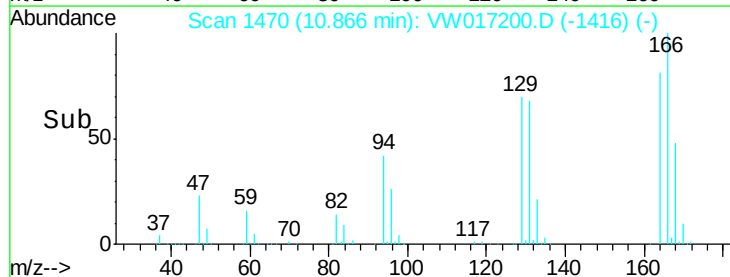
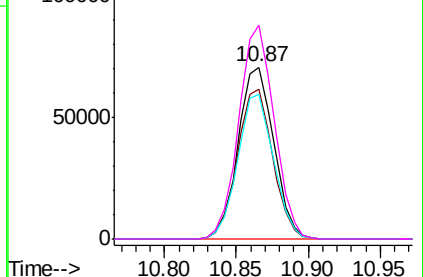
Abundance

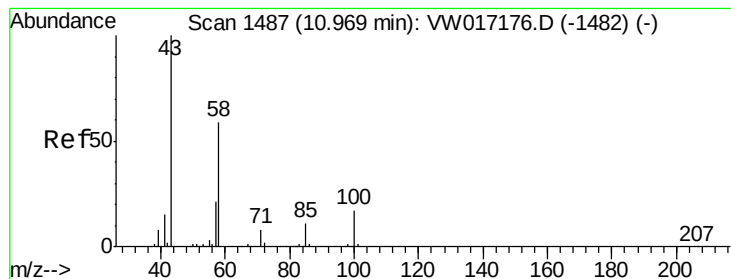
Ion 164.00 (163.70 to 164.70): V

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

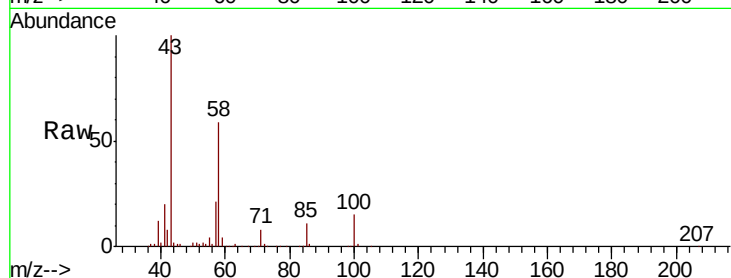




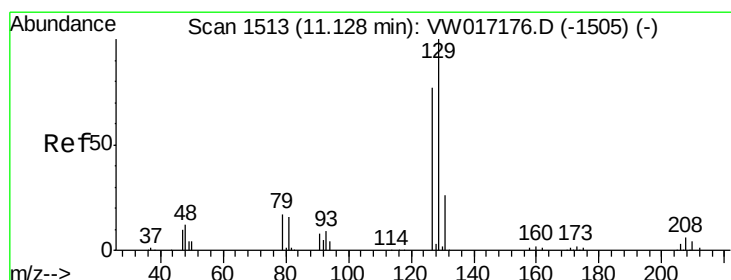
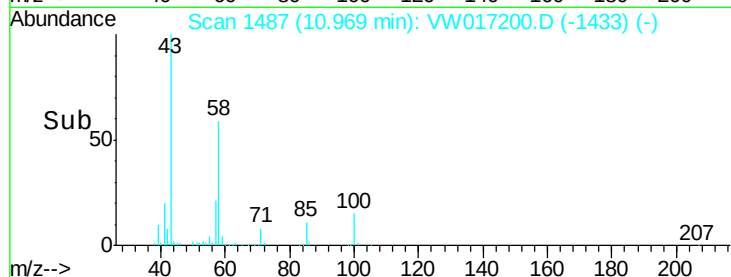
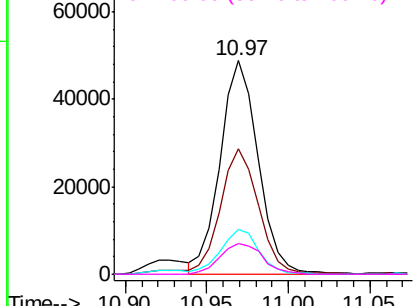
#49
2-Hexanone
Concen: 45.847 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017200.D
Acq: 12 Nov 2020 21:14

Instrument :
MSVOA_W
ClientSampled :
VSTD02525

Tot Ion: 43 Resp: 79607
Ion Ratio Lower Upper
43 100
58 58.8 50.6 75.8
57 21.0 17.8 26.6
100 16.2 13.9 20.9

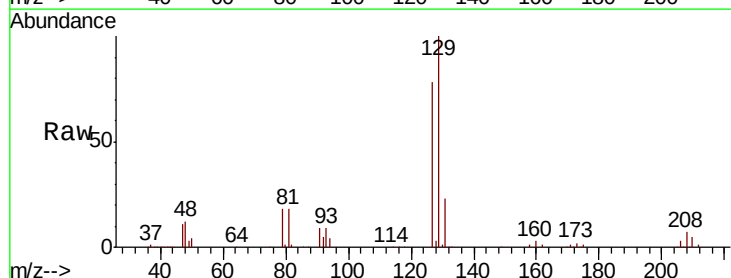


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

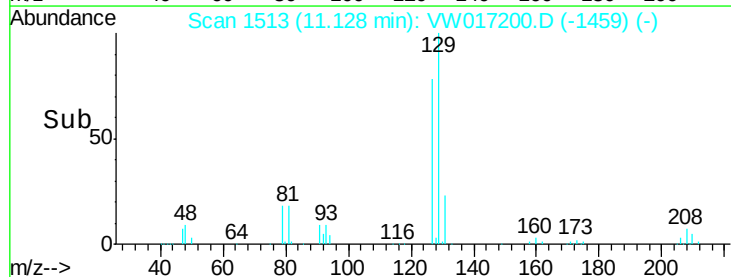
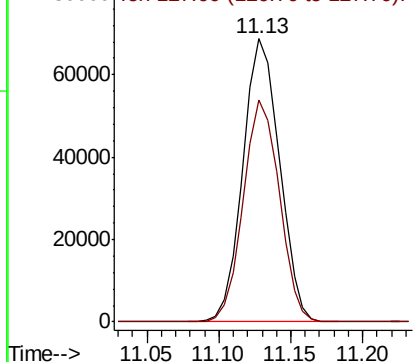


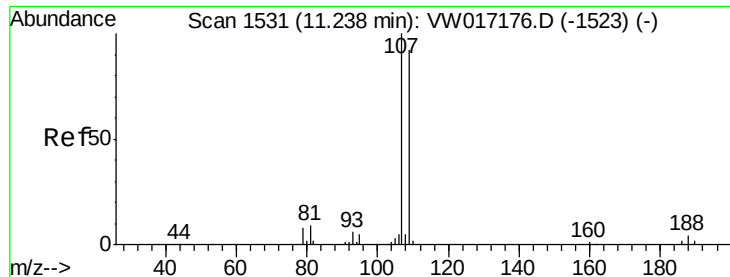
#50
Dibromochloromethane
Concen: 24.760 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017200.D
Acq: 12 Nov 2020 21:14

Tgt Ion: 129 Resp: 121410
Ion Ratio Lower Upper
129 100
127 78.4 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

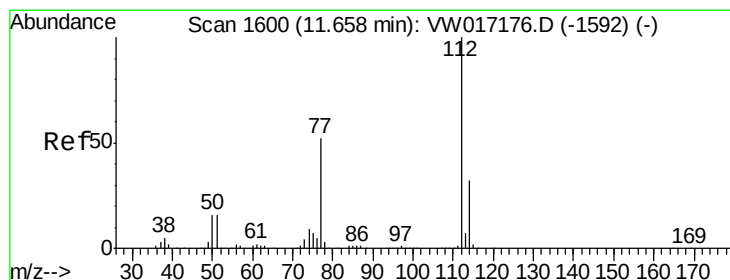
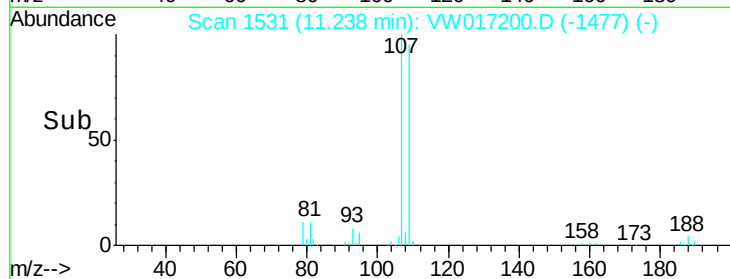
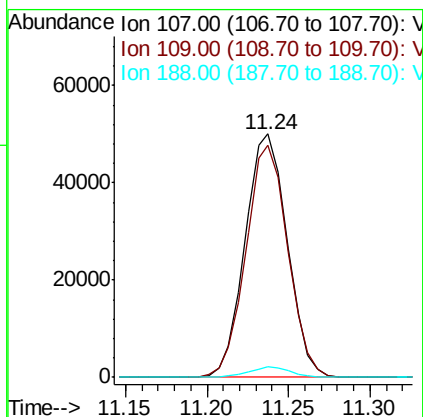
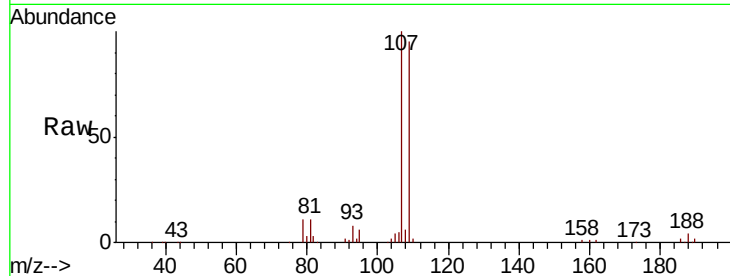




#51
1,2-Dibromoethane
Concen: 23.058 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017200.D
Acq: 12 Nov 2020 21:14

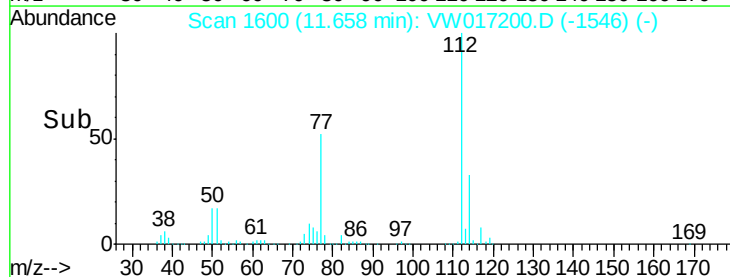
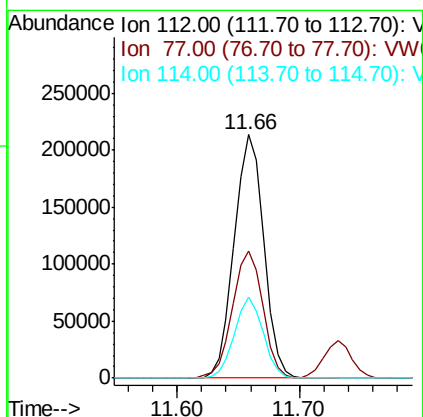
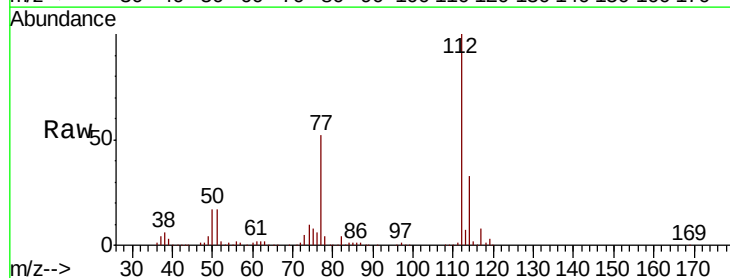
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

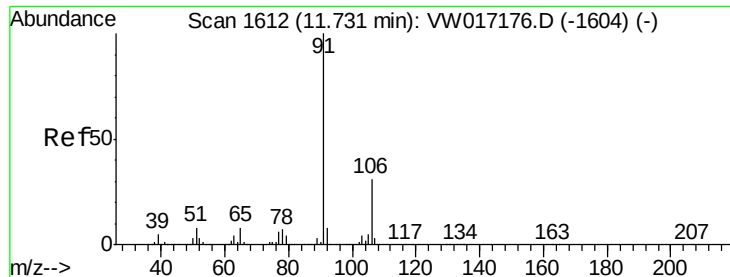
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	64.3	119.5
188	4.3	3.3	4.9



#52
Chlorobenzene
Concen: 23.997 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017200.D
Acq: 12 Nov 2020 21:14

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.4	41.7	62.5
114	33.1	22.3	41.3

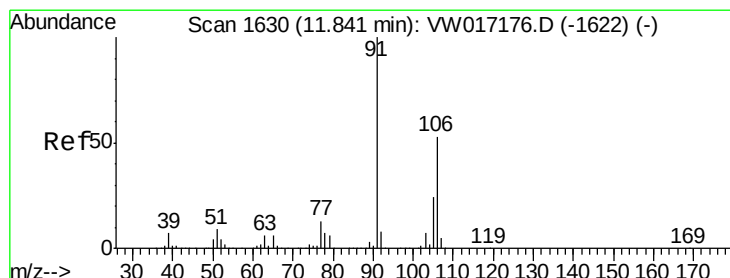
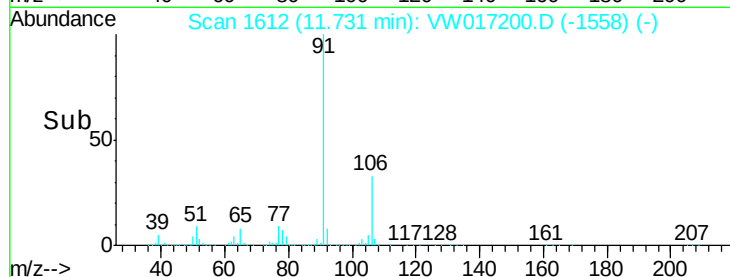
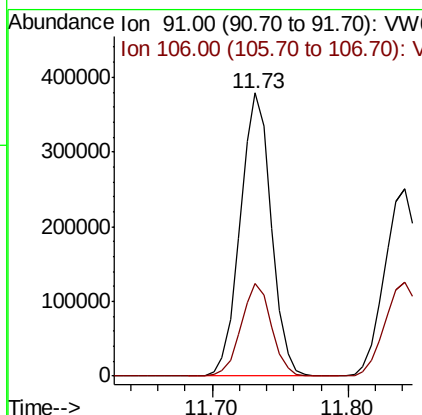
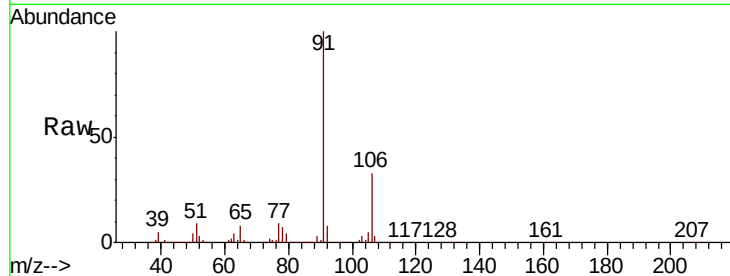




#53
Ethylbenzene
Concen: 24.493 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017200.D
Acq: 12 Nov 2020 21:14

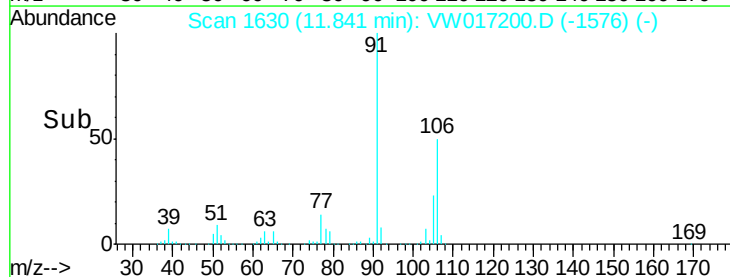
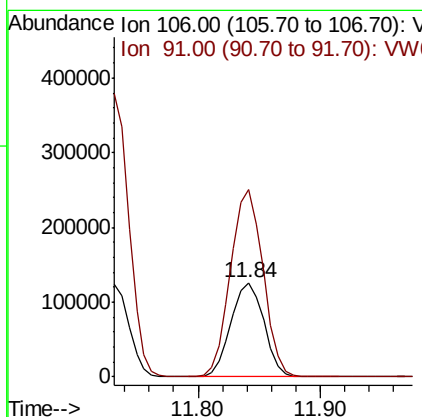
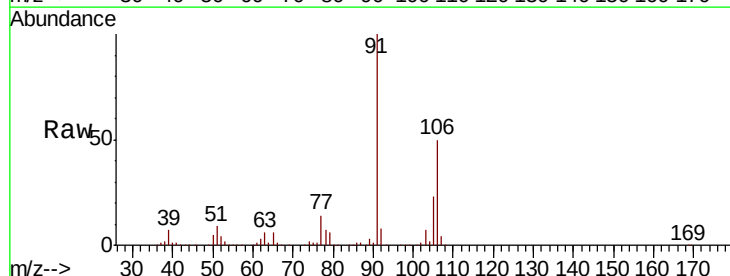
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

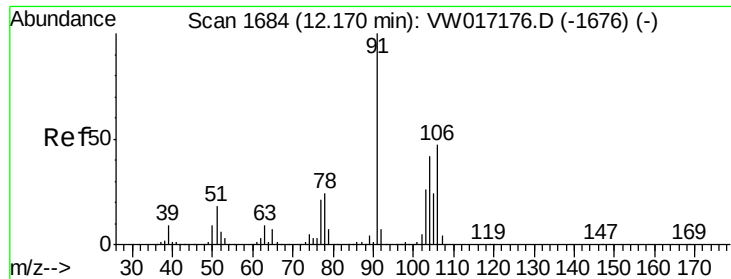
Tot Ion: 91 Resp: 601369
Ion Ratio Lower Upper
91 100
106 32.9 22.9 42.5



#54
m,p-Xylene
Concen: 24.538 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017200.D
Acq: 12 Nov 2020 21:14

Tgt Ion: 106 Resp: 235673
Ion Ratio Lower Upper
106 100
91 198.3 138.7 257.5

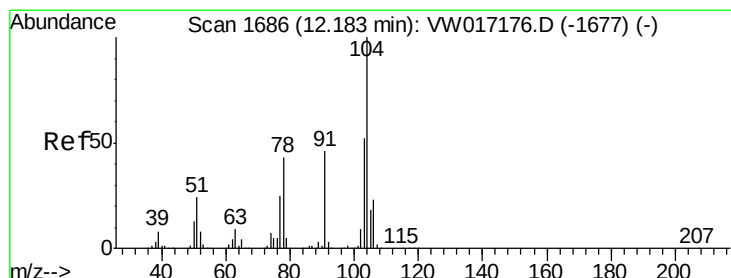
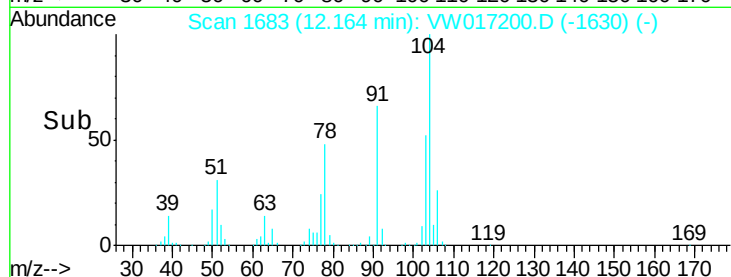
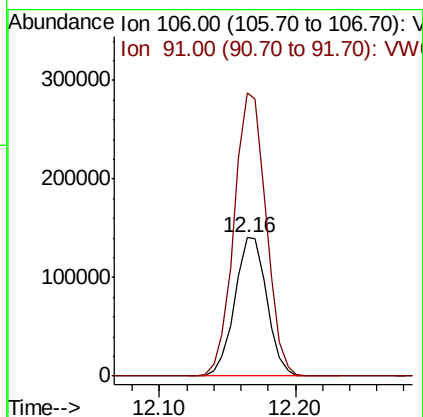
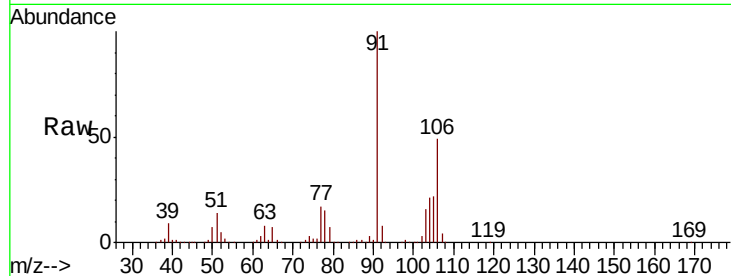




#55
o-xylene
Concen: 25.263 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017200.D
Acq: 12 Nov 2020 21:14

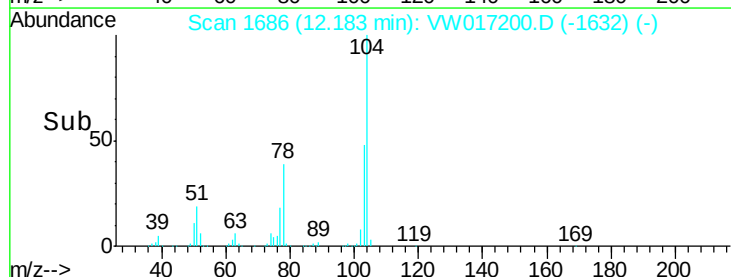
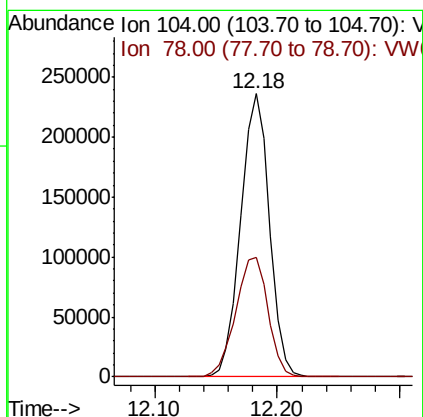
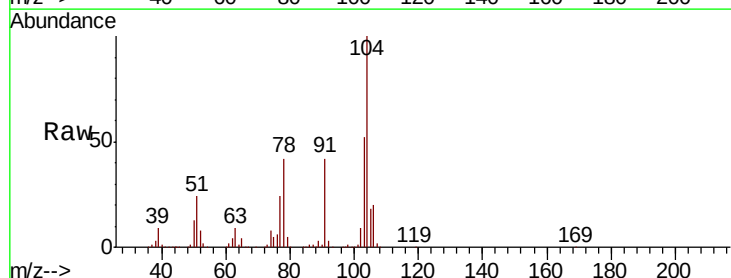
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

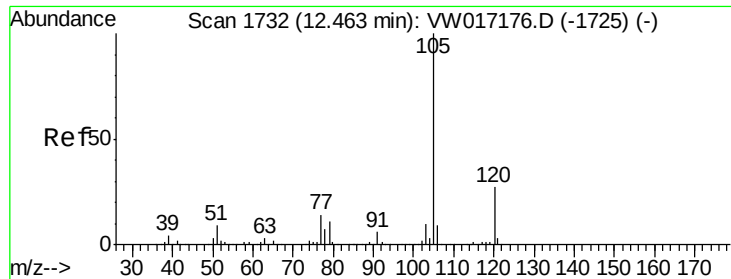
Tot Ion:106 Resp: 230303
Ion Ratio Lower Upper
106 100
91 204.1 140.8 261.4



#56
Styrene
Concen: 25.155 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017200.D
Acq: 12 Nov 2020 21:14

Tgt Ion:104 Resp: 385009
Ion Ratio Lower Upper
104 100
78 42.4 28.2 52.4





#57

Isopropylbenzene

Concen: 25.645 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

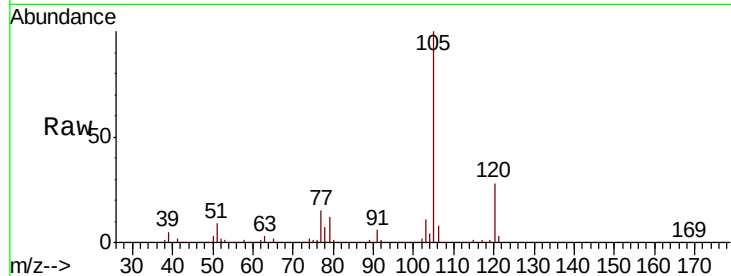
Tot Ion:105 Resp: 634480

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

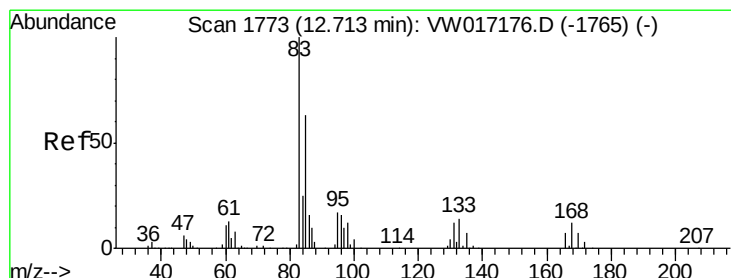
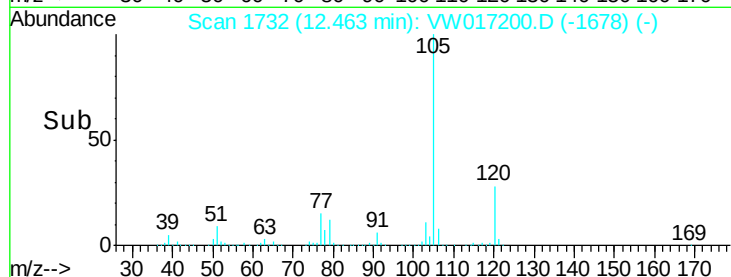
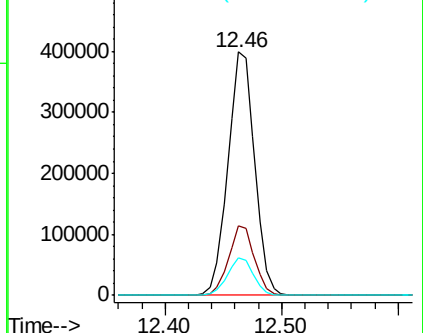
77 14.9 11.4 17.0



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: 22.279 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

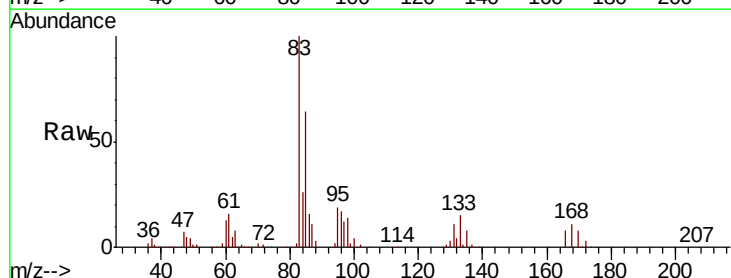
Tgt Ion: 83 Resp: 103588

Ion Ratio Lower Upper

83 100

85 63.8 44.9 83.5

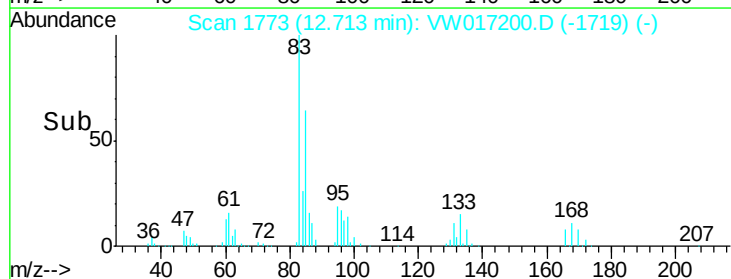
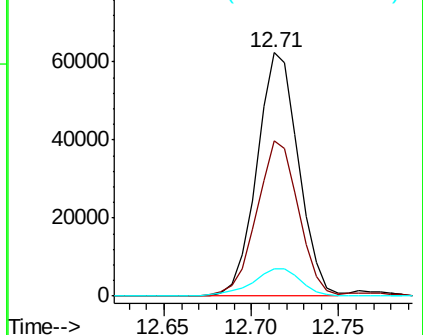
131 11.2 8.8 13.2

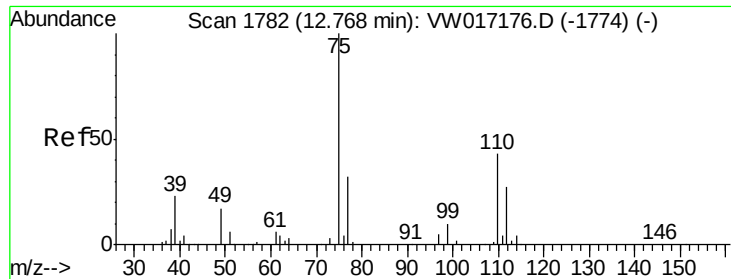


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

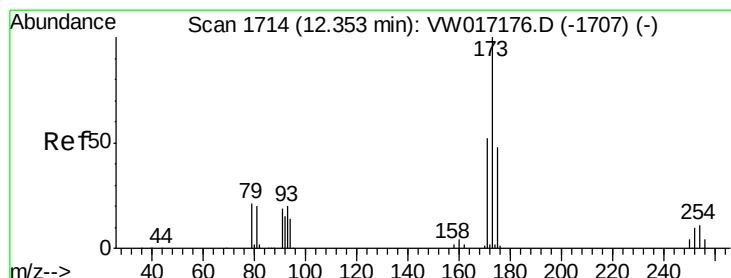
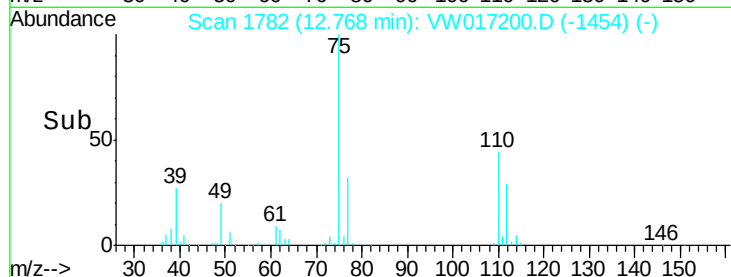
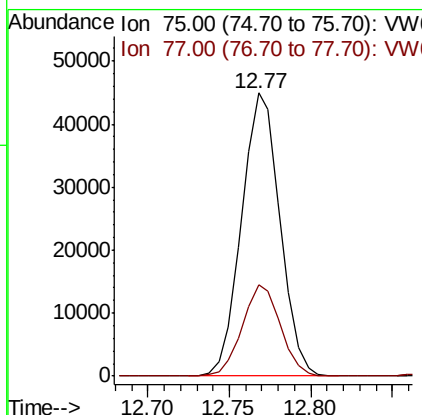
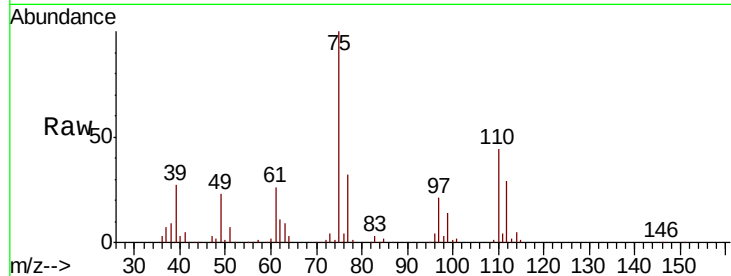




#59
 1,2,3-Trichloropropane
 Concen: 22.020 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017200.D
 Acq: 12 Nov 2020 21:14

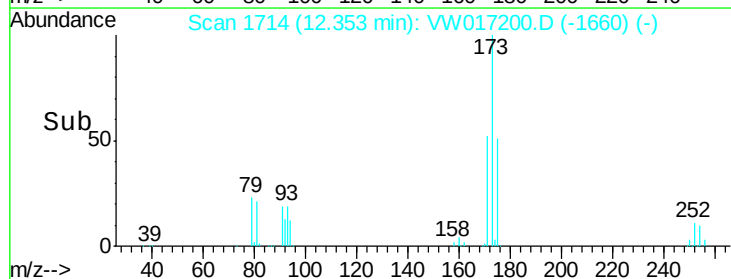
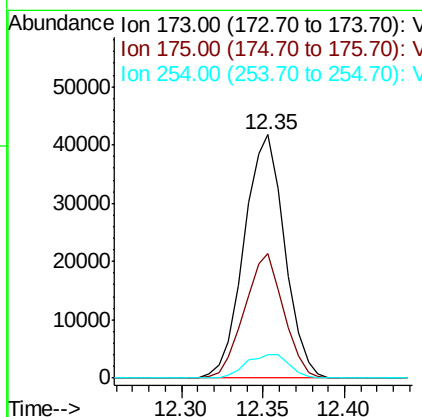
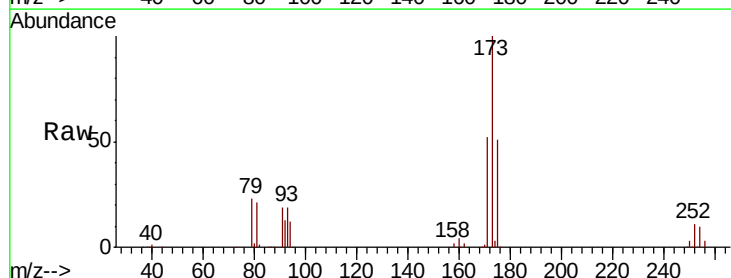
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

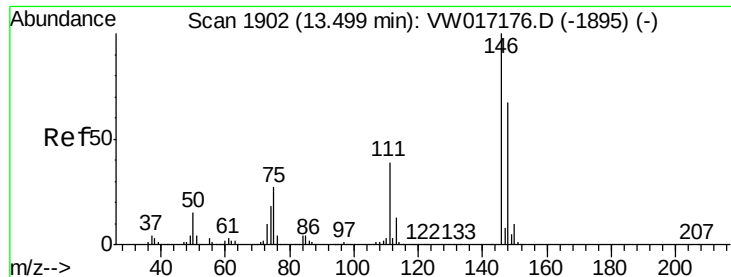
Tot Ion: 75 Resp: 73595
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.4 39.6



#62
 Bromoform
 Concen: 24.033 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW017200.D
 Acq: 12 Nov 2020 21:14

Tgt Ion: 173 Resp: 71932
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.3 57.5
 254 10.4 8.1 12.1





#63

1,3-Dichlorobenzene

Concen: 25.126 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

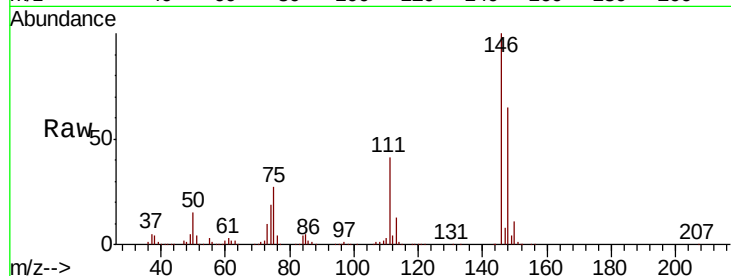
Tot Ion:146 Resp: 304760

Ion Ratio Lower Upper

146 100

111 40.9 26.4 49.0

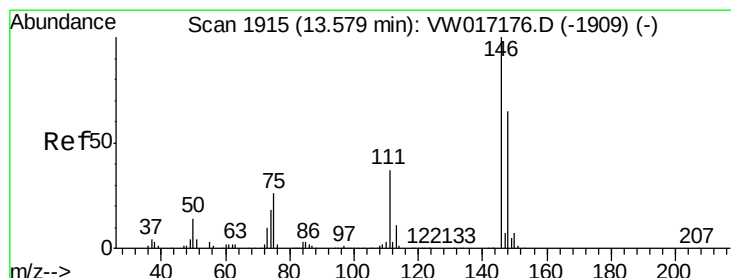
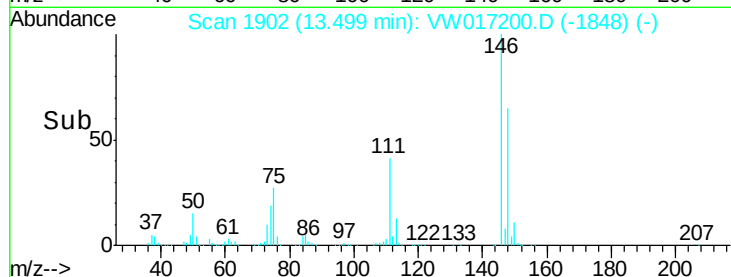
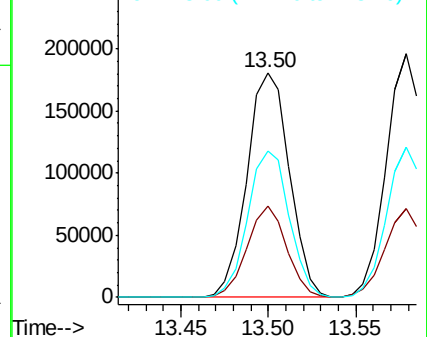
148 65.2 42.1 78.1



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



#64

1,4-Dichlorobenzene

Concen: 24.945 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

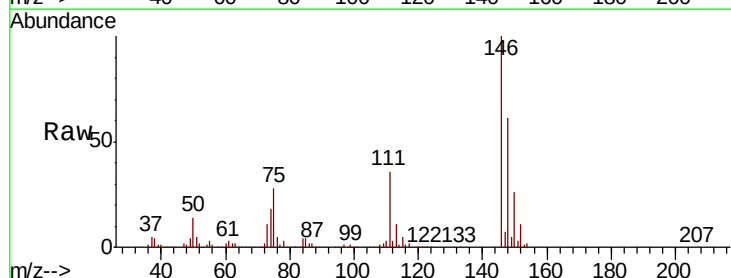
Tgt Ion:146 Resp: 303974

Ion Ratio Lower Upper

146 100

111 36.5 24.5 45.5

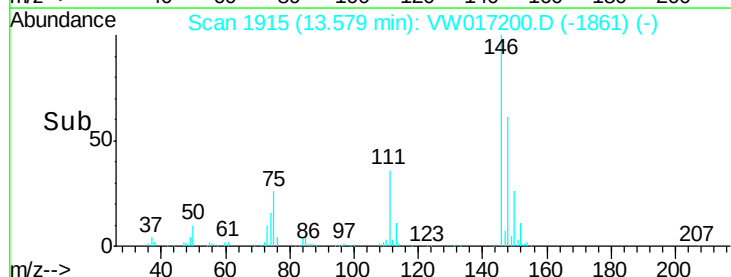
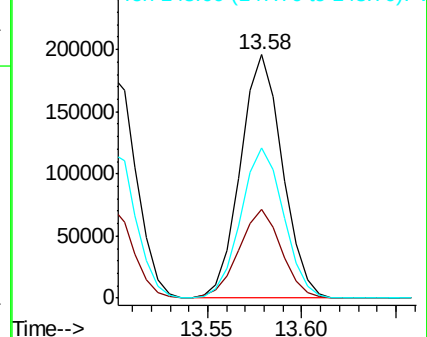
148 61.5 45.5 84.5

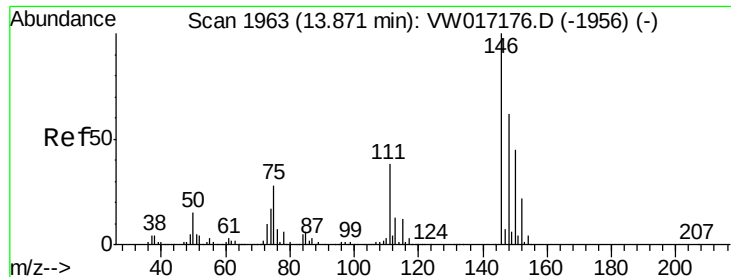


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

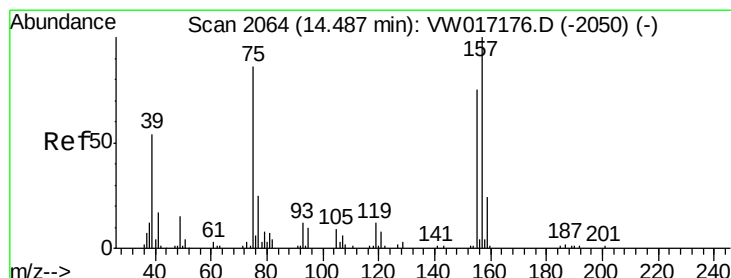
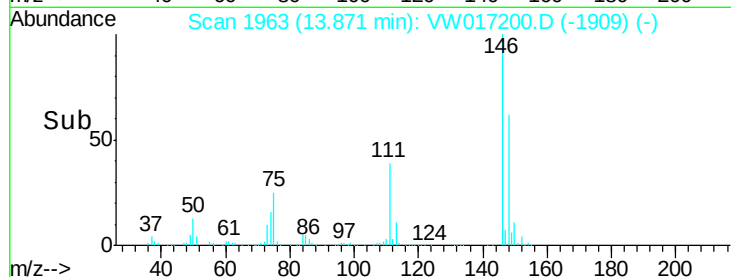
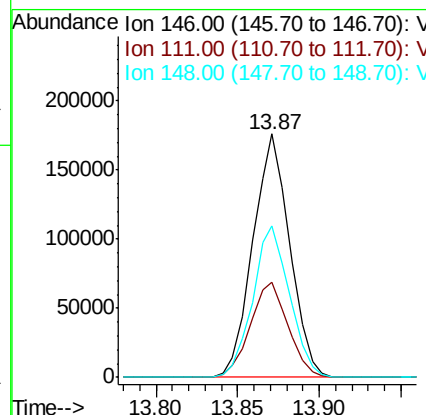
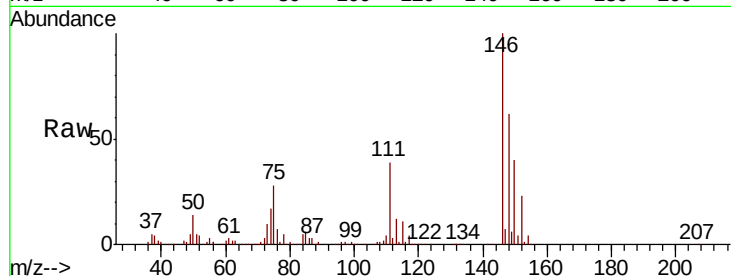




#65
 1,2-Dichlorobenzene
 Concen: 25.209 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017200.D
 Acq: 12 Nov 2020 21:14

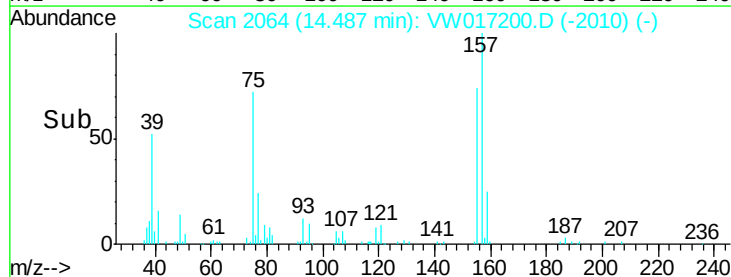
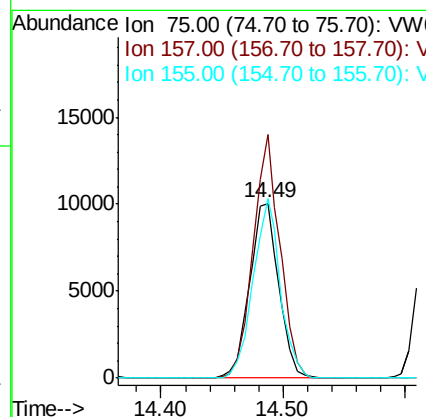
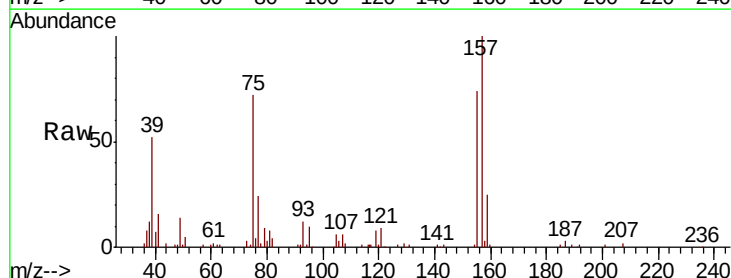
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

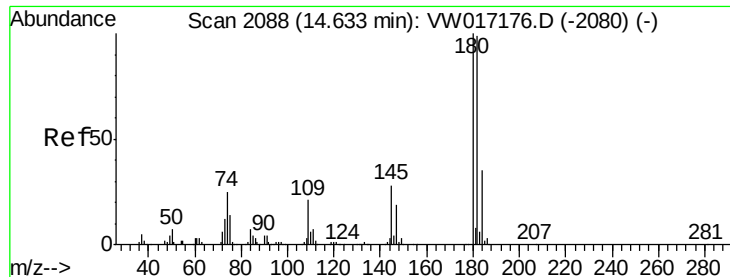
Tot Ion:146 Resp: 275737
 Ion Ratio Lower Upper
 146 100
 111 39.2 30.5 45.7
 148 62.2 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.951 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017200.D
 Acq: 12 Nov 2020 21:14

Tgt Ion: 75 Resp: 16598
 Ion Ratio Lower Upper
 75 100
 157 139.2 108.2 162.4
 155 102.6 79.1 118.7

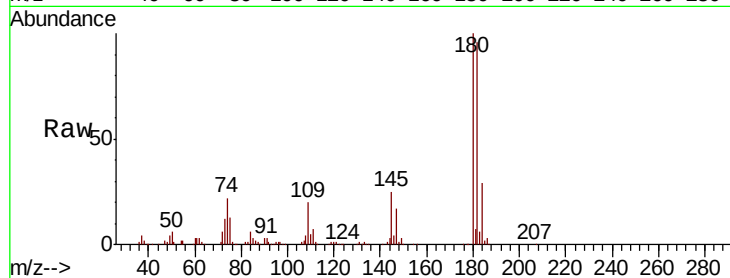




#67
 1,3,5-Trichlorobenzene
 Concen: 25.703 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW017200.D
 Acq: 12 Nov 2020 21:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.2	115.8
184	30.4	24.2	36.4
145	28.5	23.5	35.3



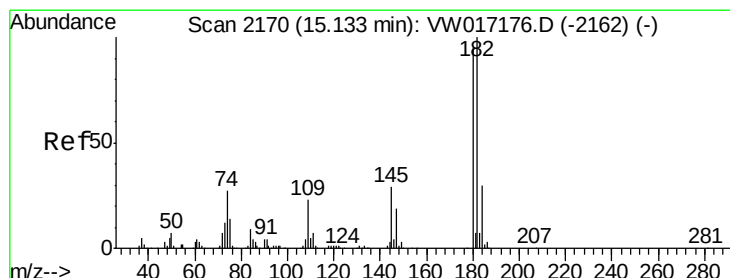
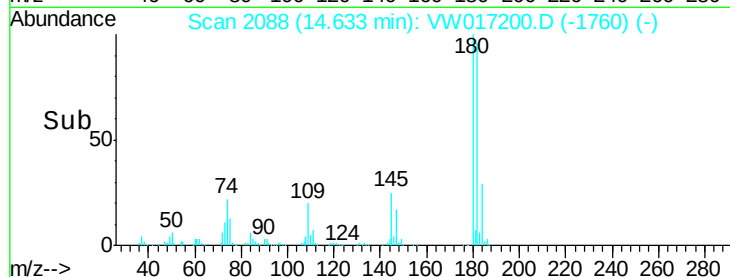
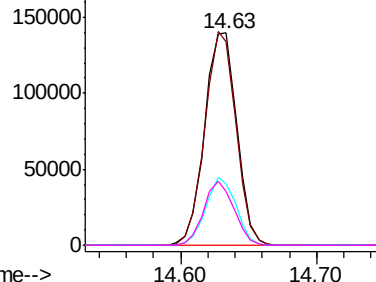
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

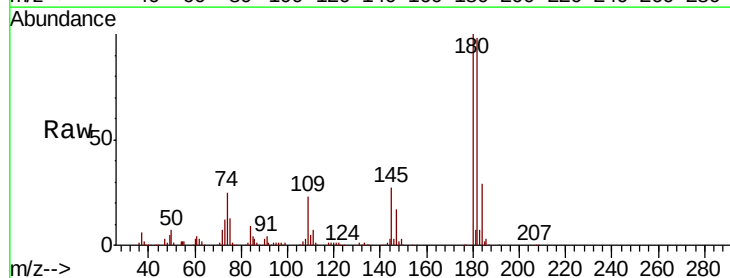
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.764 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017200.D
 Acq: 12 Nov 2020 21:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.7	115.1
145	29.5	23.6	35.4

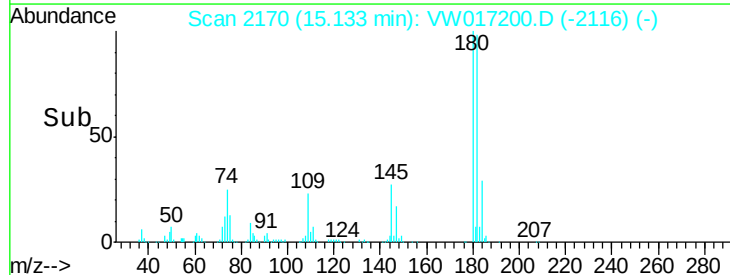
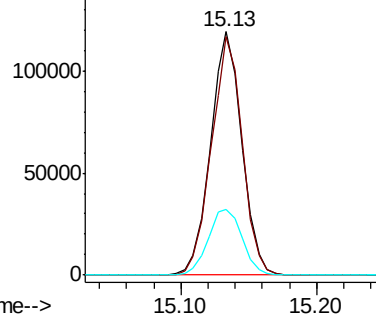


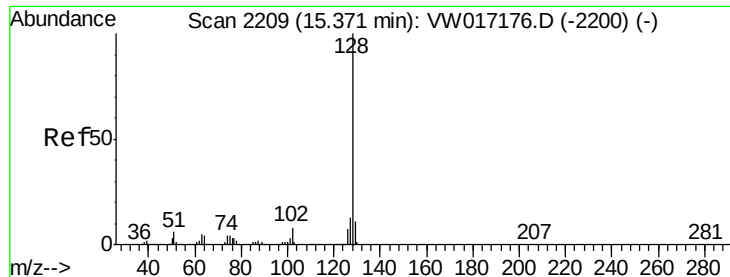
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.952 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

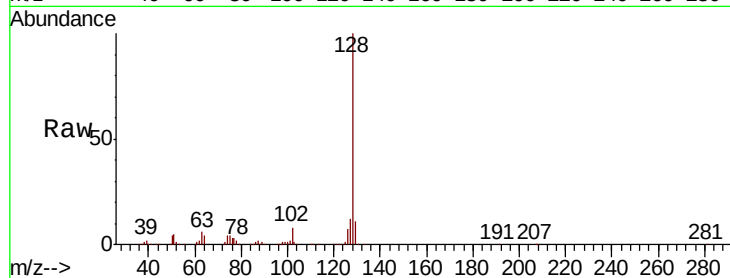
Tot Ion:128 Resp: 327521

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

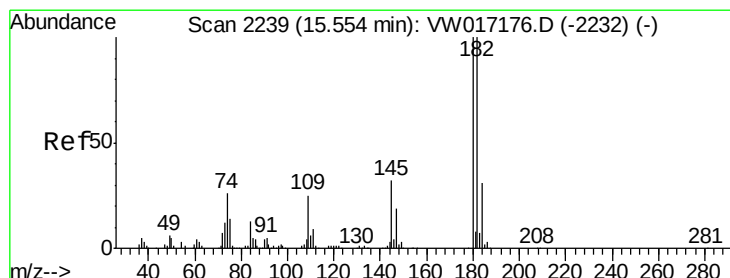
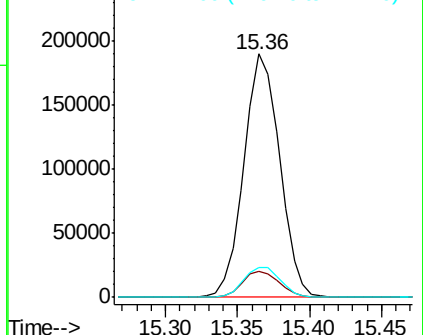
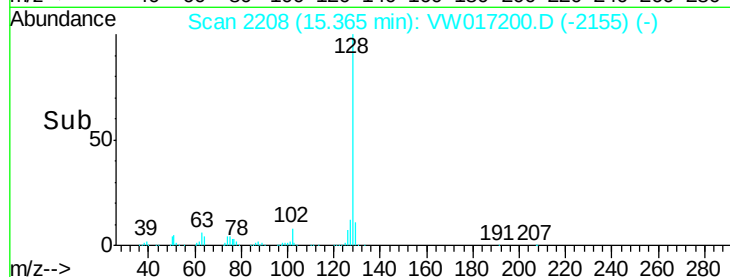
127 12.9 10.2 15.2



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: 26.115 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017200.D

Acq: 12 Nov 2020 21:14

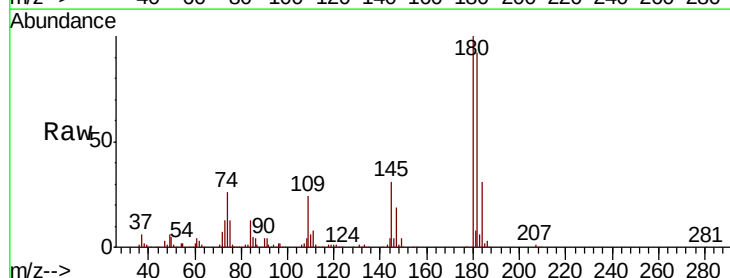
Tgt Ion:180 Resp: 170192

Ion Ratio Lower Upper

180 100

182 93.1 75.5 113.3

145 30.7 24.5 36.7



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

