

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
 Data File : VW017174.D
 Acq On : 11 Nov 2020 19:42
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Nov 12 03:17:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 03:07:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	394965	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	367140	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189595	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132081	26.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.20%
7) Chloroethane-d5	2.89	69	111921	29.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.76%
10) 1,1-Dichloroethene-d2	4.03	63	223043	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.28%
20) 2-Butanone-d5	7.09	46	58621	52.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.38%
24) Chloroform-d	7.65	84	271191	29.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	117.64%
26) 1,2-Dichloroethane-d4	8.31	65	135069	29.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.88%
29) Benzene-d6	8.28	84	507861	27.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.64%
33) 1,2-Dichloropropane-d6	9.28	67	146424	28.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.24%
37) Toluene-d8	10.33	98	477960	27.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.44%
38) trans-1,3-Dichloropropene-	10.58	79	62721	26.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.60%
39) 2-Hexanone-d5	10.93	63	49174	54.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127122	28.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	190820	28.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	85448	21.563	ug/L	100
3) Chloromethane	2.21	50	75393	20.963	ug/L	100
5) Vinyl chloride	2.37	62	119607	22.675	ug/L	99
6) Bromomethane	2.79	94	86044	23.587	ug/L	98
8) Chloroethane	2.93	64	75968	23.869	ug/L	98
9) Trichlorofluoromethane	3.27	101	102276	23.840	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	117851	23.117	ug/L	99
12) 1,1-Dichloroethene	4.05	96	105776	21.578	ug/L	95
13) Acetone	4.14	43	29913	40.157	ug/L	98
14) Carbon disulfide	4.40	76	261077	19.570	ug/L	98
15) Methyl Acetate	4.68	43	34728	18.810	ug/L	95
16) Methylene chloride	4.92	84	111971	21.028	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	130602	21.818	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	109533	21.586	ug/L	95
19) 1,1-Dichloroethane	6.22	63	183946	22.880	ug/L	99
21) 2-Butanone	7.18	43	44730	37.397	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	118349	22.059	ug/L	99

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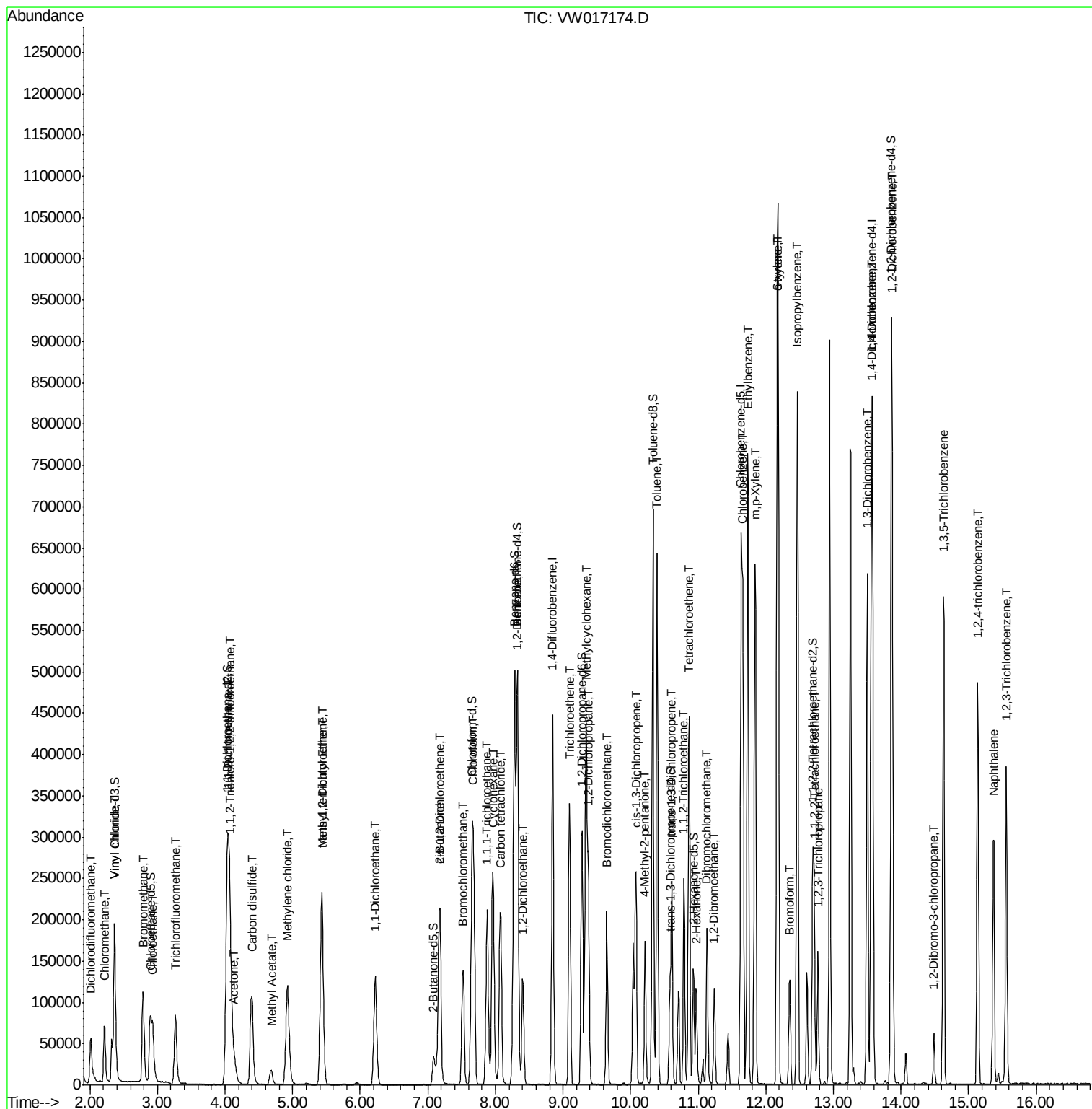
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	56273	21.784	ug/L	94
25) Chloroform	7.68	83	203564	23.257	ug/L	98
27) 1,2-Dichloroethane	8.40	62	120192	22.915	ug/L	95
30) Cyclohexane	7.96	56	143946	20.823	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	175452	23.336	ug/L	99
32) Carbon tetrachloride	8.07	117	169587	23.376	ug/L	98
34) Benzene	8.33	78	422249	21.903	ug/L	100
35) Trichloroethene	9.10	95	117745	21.803	ug/L	99
36) Methylcyclohexane	9.34	83	185185	21.310	ug/L	99
40) 1,2-Dichloropropane	9.37	63	100977	22.407	ug/L	100
41) Bromodichloromethane	9.65	83	142279	22.827	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	156439	21.916	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	102977	37.037	ug/L	99
44) Toluene	10.39	91	481174	22.675	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	134586	21.955	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	82896	21.335	ug/L	99
47) Tetrachloroethene	10.87	164	109601	22.494	ug/L	94
49) 2-Hexanone	10.97	43	67670	40.371	ug/L	95
50) Dibromochloromethane	11.13	129	103695	21.906	ug/L	94
51) 1,2-Dibromoethane	11.24	107	79144	20.967	ug/L	95
52) Chlorobenzene	11.66	112	321066	22.370	ug/L	98
53) Ethylbenzene	11.73	91	546121	23.041	ug/L	97
54) m,p-Xylene	11.84	106	208963	22.538	ug/L	97
55) o-xylene	12.17	106	200894	22.828	ug/L	99
56) Styrene	12.18	104	340102	23.018	ug/L	94
57) Isopropylbenzene	12.47	105	558772	23.396	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	94581	21.071	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	66417	20.586	ug/L	99
62) Bromoform	12.35	173	60216	20.690	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	268900	22.799	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	261095	22.035	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	241622	22.718	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	14154	20.128	ug/L	81
67) 1,3,5-Trichlorobenzene	14.63	180	196162	22.571	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	164340	23.695	ug/L	97
69) Naphthalene	15.37	128	276289	21.647	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	136777	21.584	ug/L	95

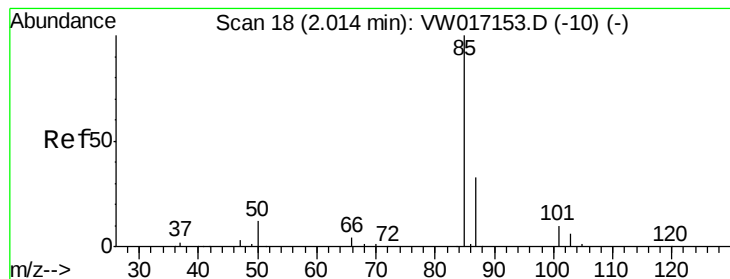
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.563 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

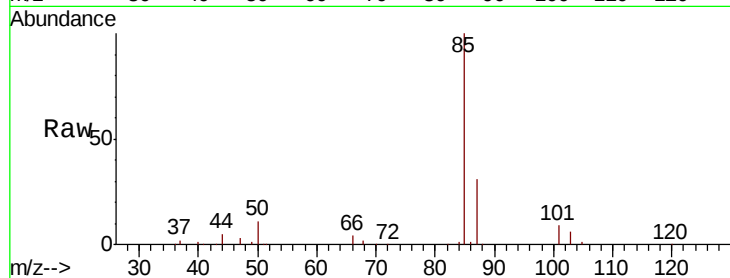
VSTD02523

Tot Ion: 85 Resp: 85448

Ion Ratio Lower Upper

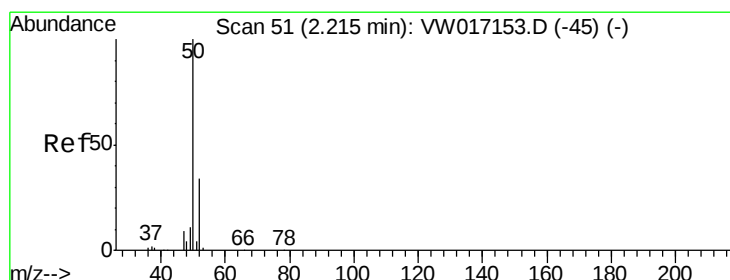
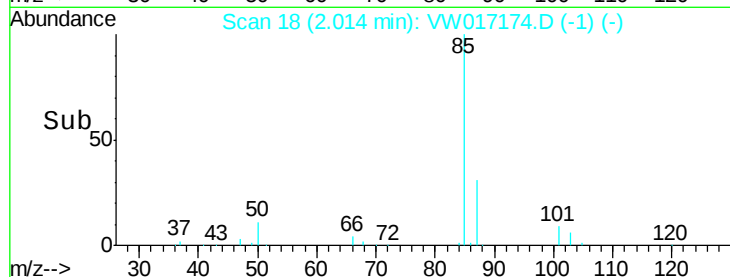
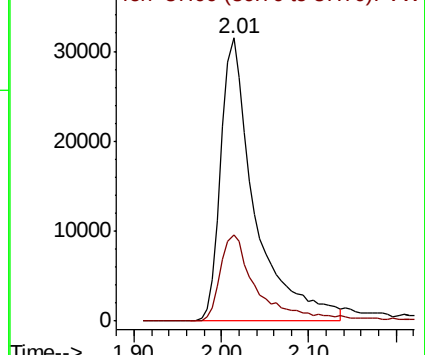
85 100

87 31.0 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.963 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017174.D

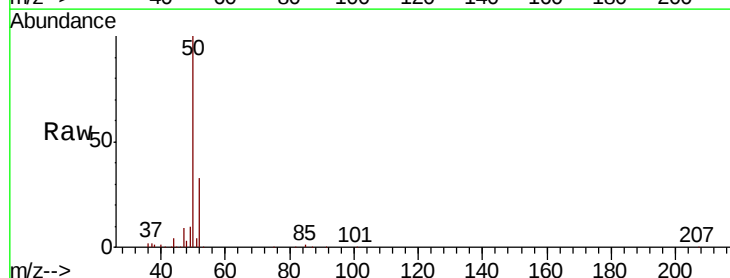
Acq: 11 Nov 2020 19:42

Tgt Ion: 50 Resp: 75393

Ion Ratio Lower Upper

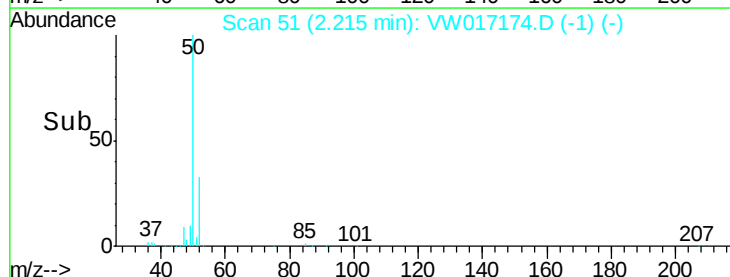
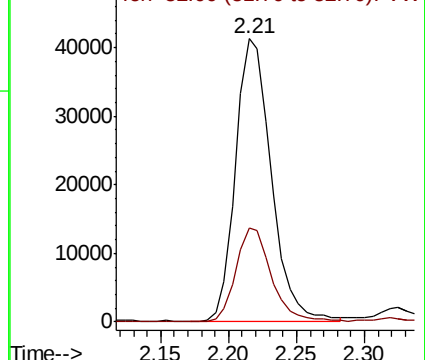
50 100

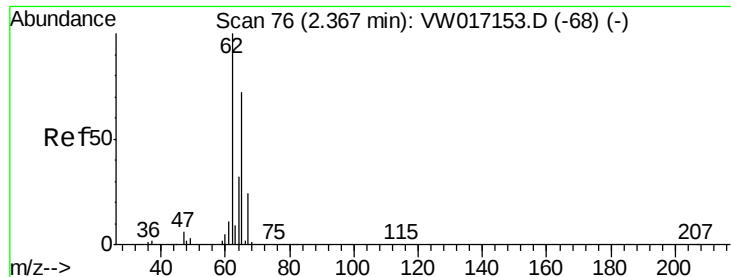
52 33.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.675 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017174.D

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ClientSampleId :

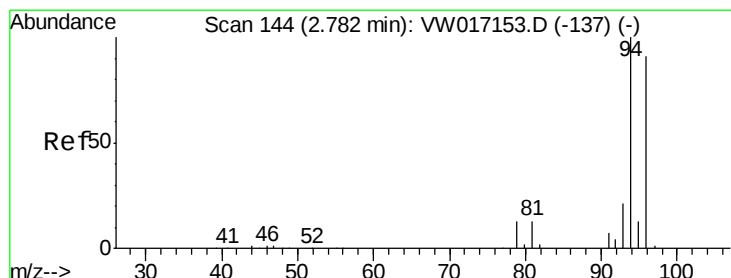
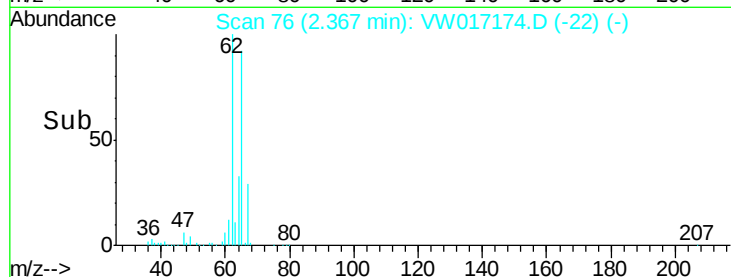
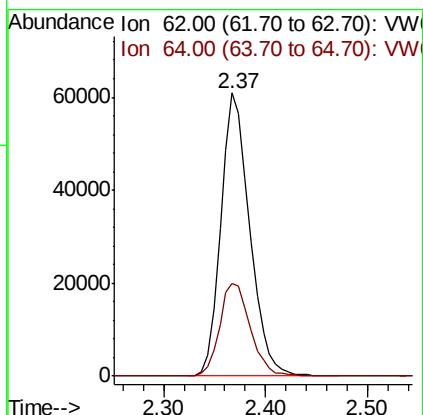
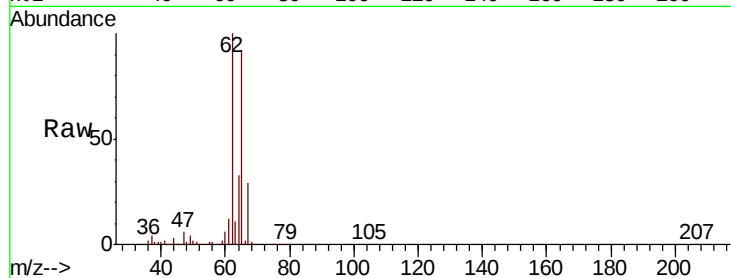
VSTD02523

Tot Ion: 62 Resp: 119607

Ion Ratio Lower Upper

62 100

64 32.9 23.3 43.3



#6

Bromomethane

Concen: 23.587 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017174.D

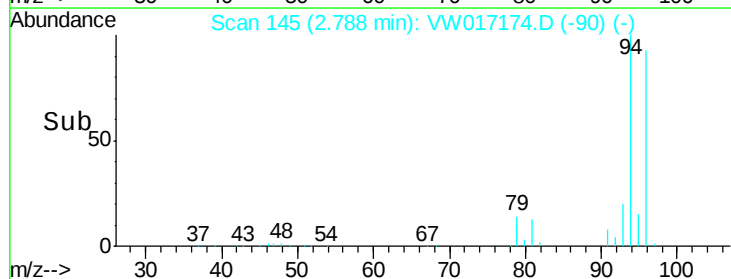
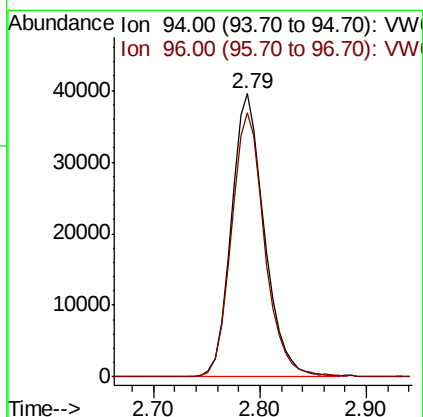
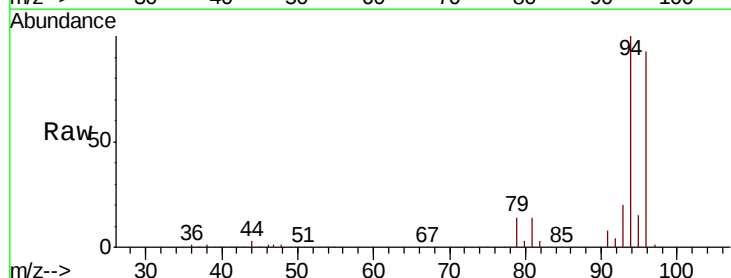
Acq: 11 Nov 2020 19:42

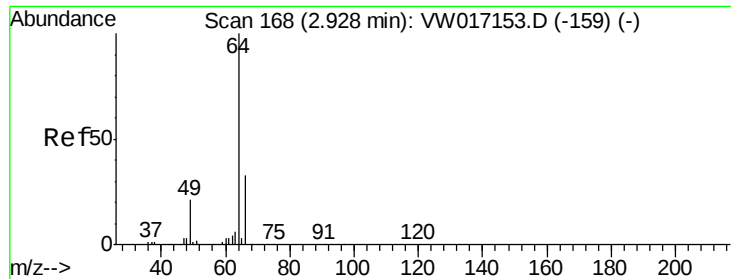
Tgt Ion: 94 Resp: 86044

Ion Ratio Lower Upper

94 100

96 93.4 9.6 181.8





#8

Chloroethane

Concen: 23.869 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

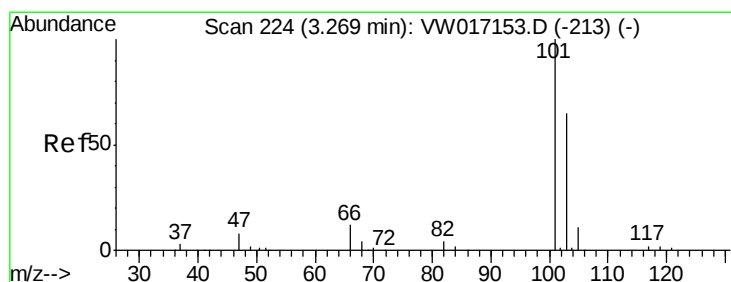
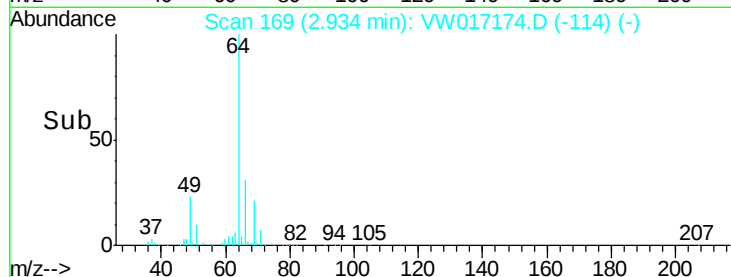
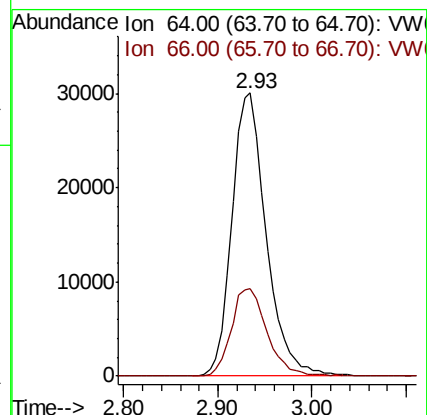
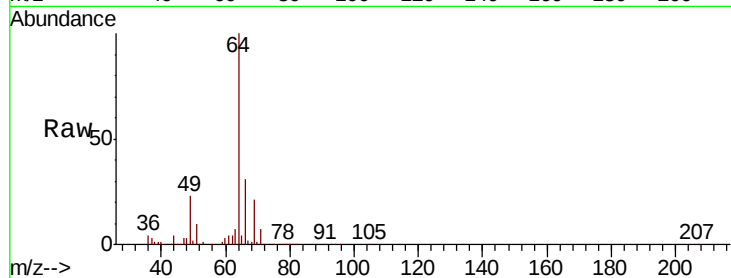
VSTD02523

Tot Ion: 64 Resp: 75968

Ion Ratio Lower Upper

64 100

66 31.0 22.3 41.5



#9

Trichlorofluoromethane

Concen: 23.840 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017174.D

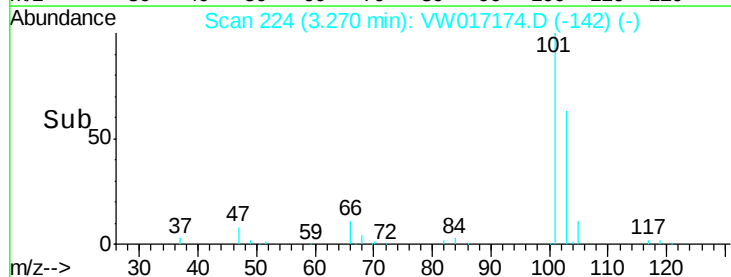
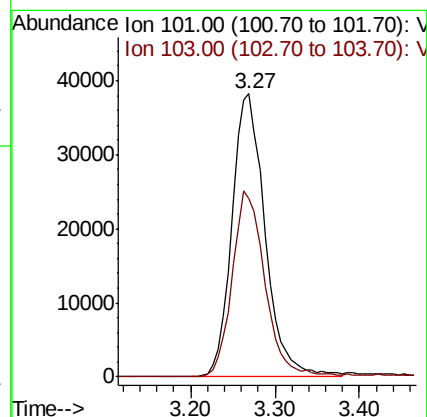
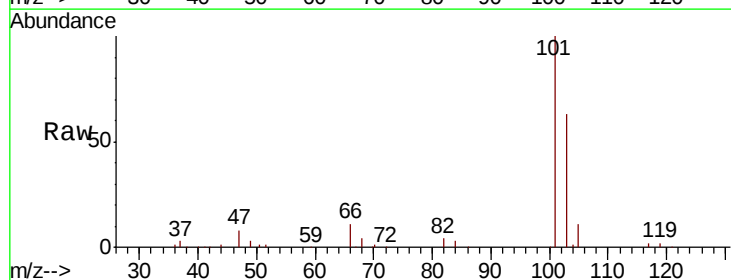
Acq: 11 Nov 2020 19:42

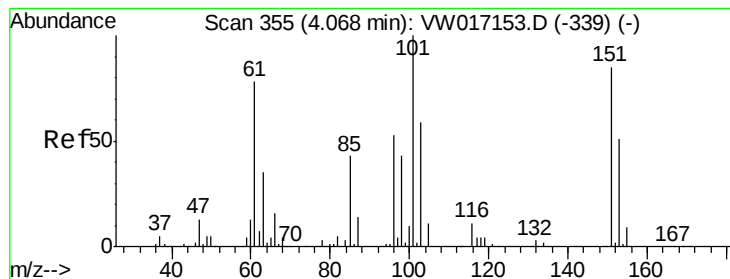
Tgt Ion: 101 Resp: 102276

Ion Ratio Lower Upper

101 100

103 64.3 45.4 84.2





#11

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

Concen: 23.117 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017174.D

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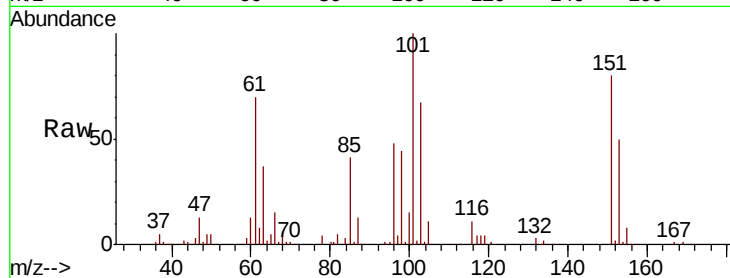
Tot Ion:101 Resp: 117851

Ion Ratio Lower Upper

101 100

85 41.8 32.8 49.2

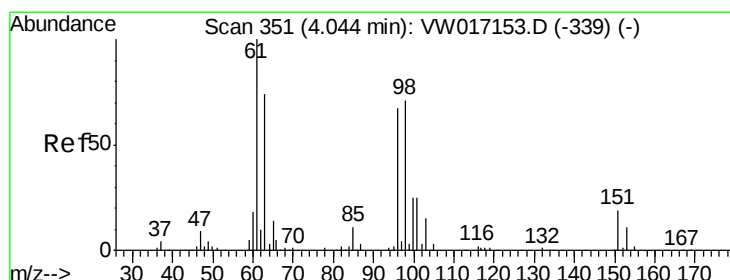
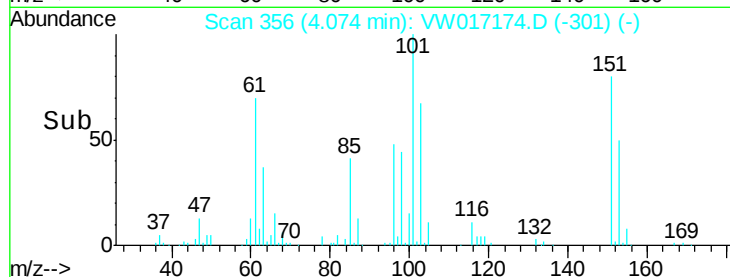
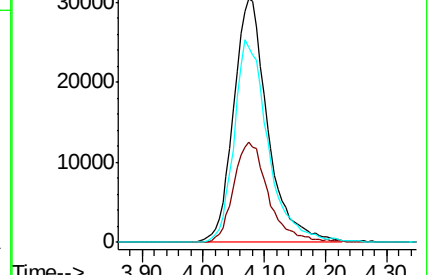
151 81.6 65.4 98.2



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: 21.578 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

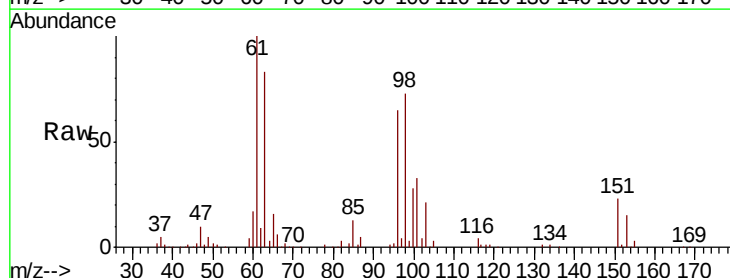
Tgt Ion: 96 Resp: 105776

Ion Ratio Lower Upper

96 100

61 153.7 103.8 192.8

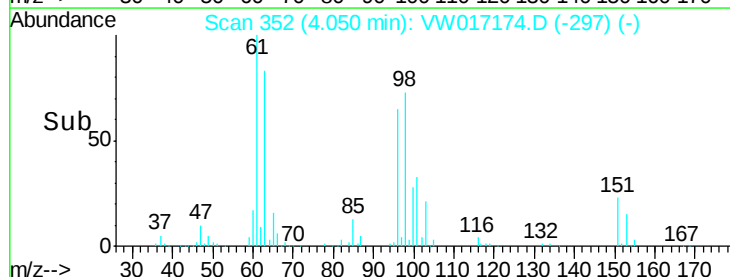
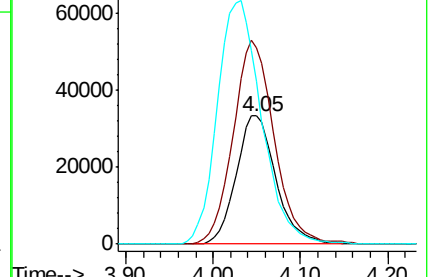
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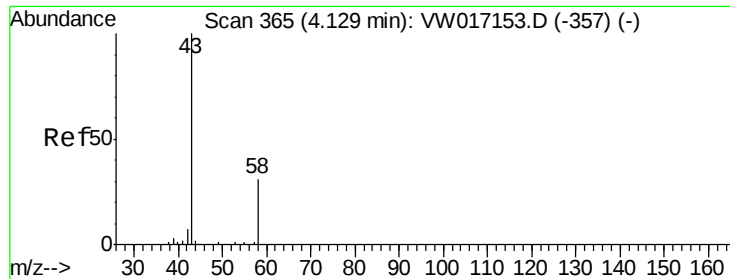


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.157 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017174.D

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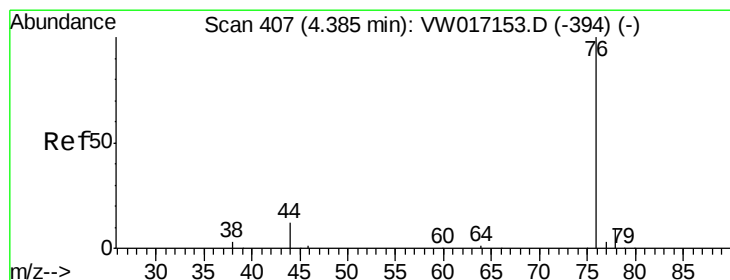
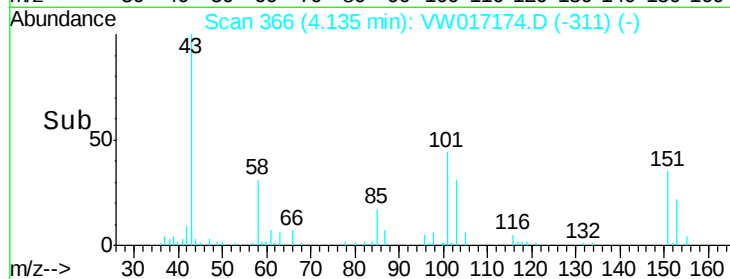
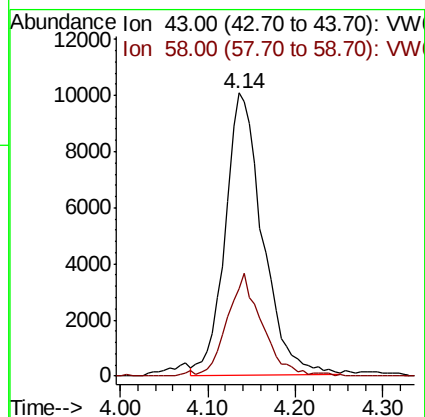
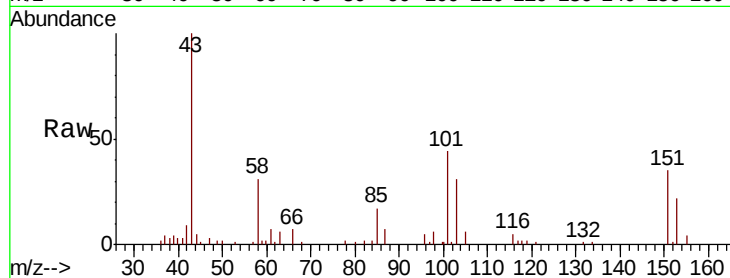
VSTD02523

Tot Ion: 43 Resp: 29913

Ion Ratio Lower Upper

43 100

58 33.4 0.0 69.2



#14

Carbon disulfide

Concen: 19.570 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

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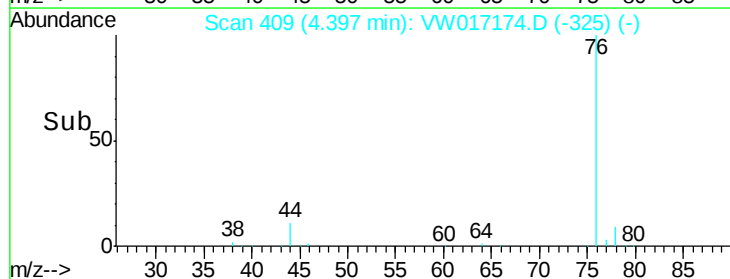
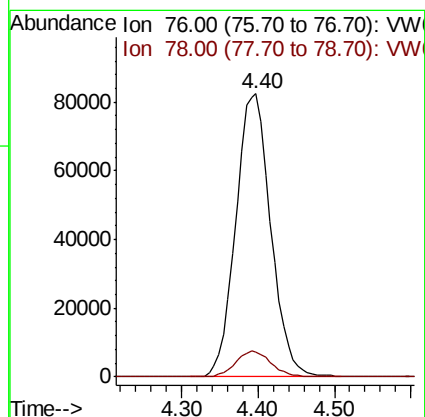
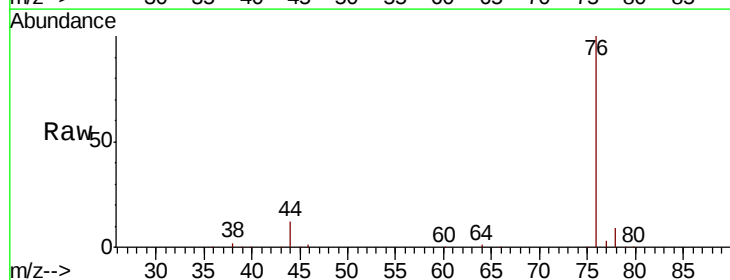
Acq: 11 Nov 2020 19:42

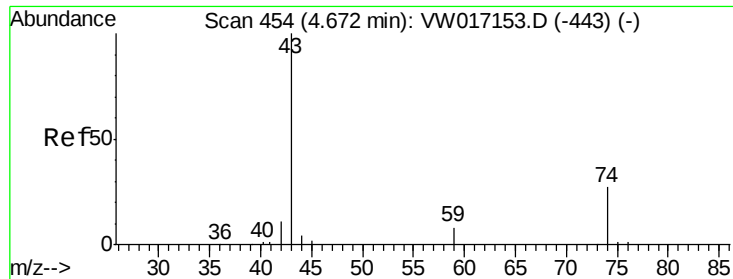
Tgt Ion: 76 Resp: 261077

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4

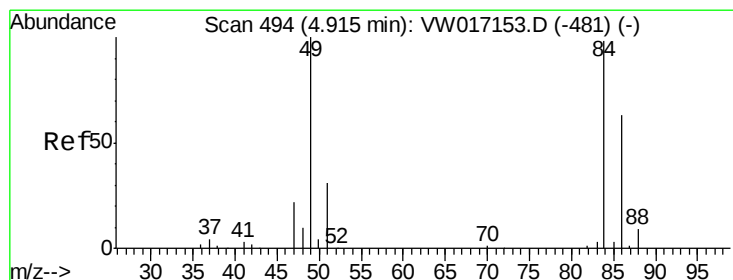
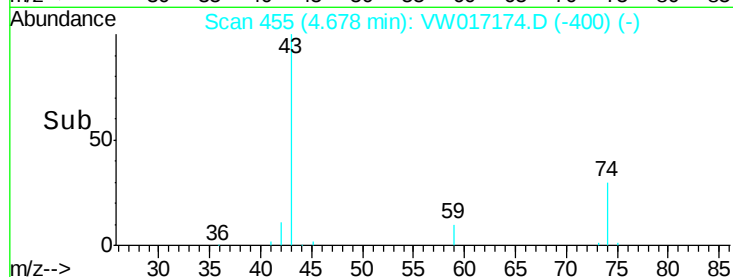
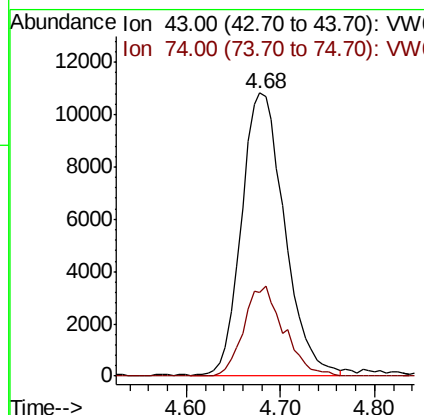
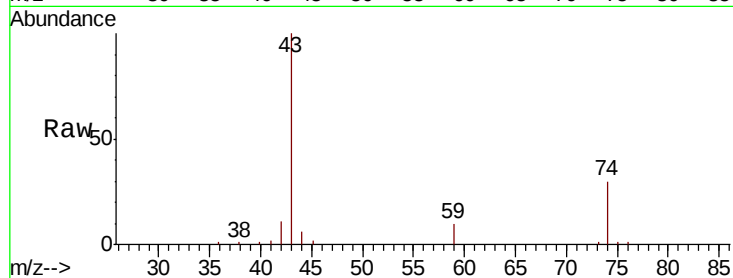




#15
Methvl Acetate
Concen: 18.810 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

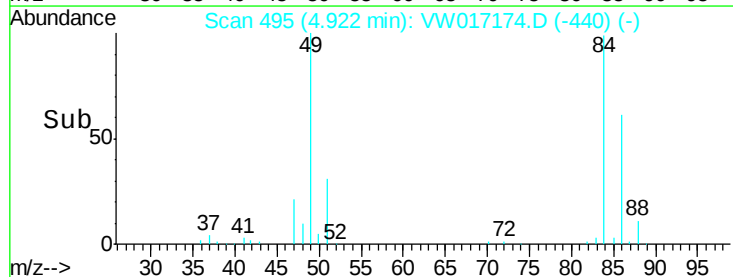
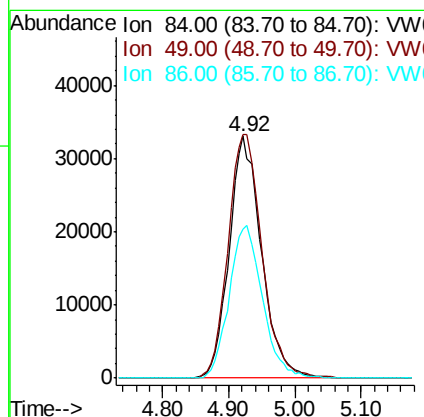
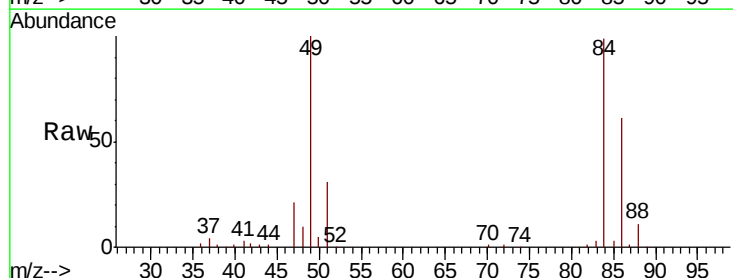
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

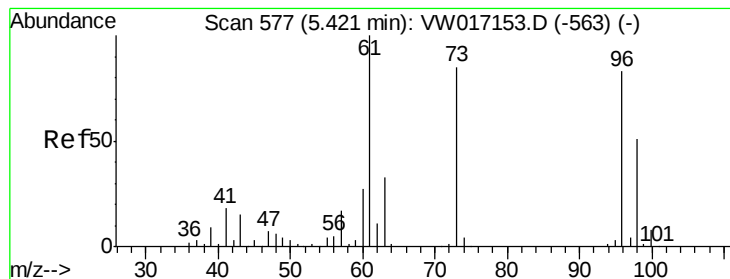
Tot Ion: 43 Resp: 34728
Ion Ratio Lower Upper
43 100
74 29.5 21.5 32.3



#16
Methylene chloride
Concen: 21.028 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

Tgt Ion: 84 Resp: 111971
Ion Ratio Lower Upper
84 100
49 100.7 72.3 134.3
86 61.5 45.1 83.7





#17

Methvl tert-butvl Ether

Concen: 21.818 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

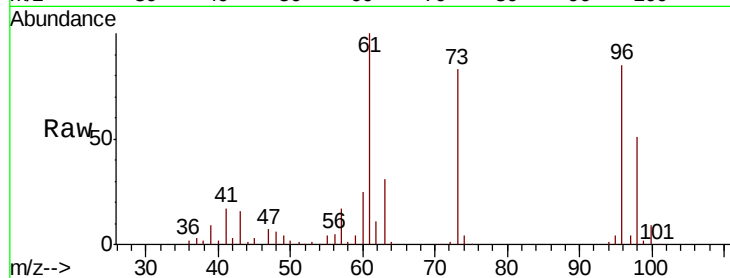
Tot Ion: 73 Resp: 130602

Ion Ratio Lower Upper

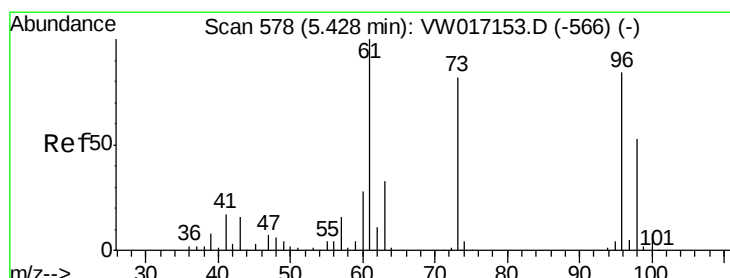
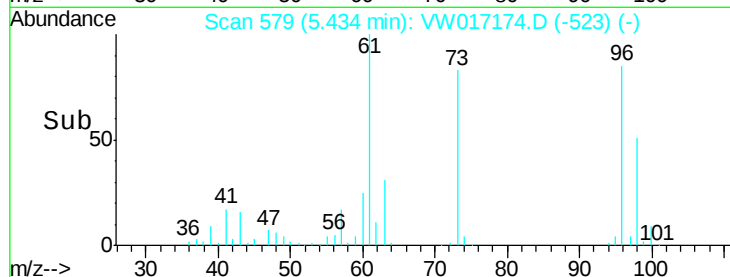
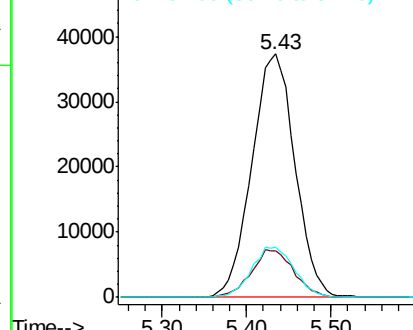
73 100

43 19.3 14.5 21.7

57 20.4 16.3 24.5



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: 21.586 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

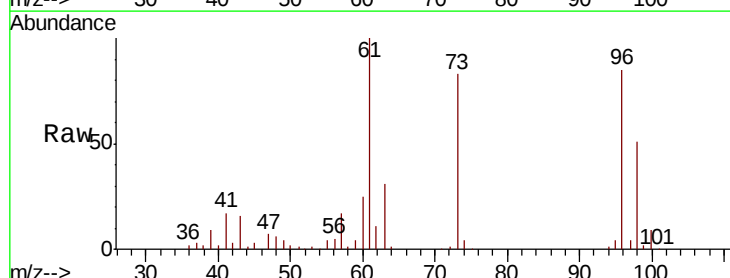
Tgt Ion: 96 Resp: 109533

Ion Ratio Lower Upper

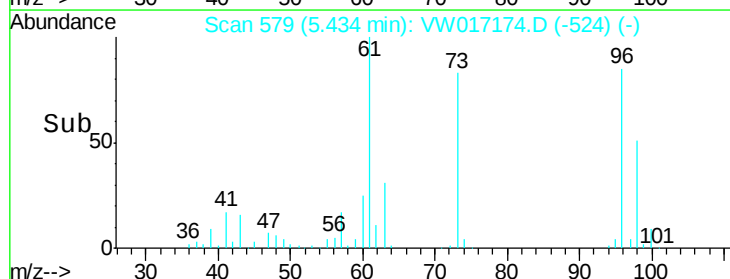
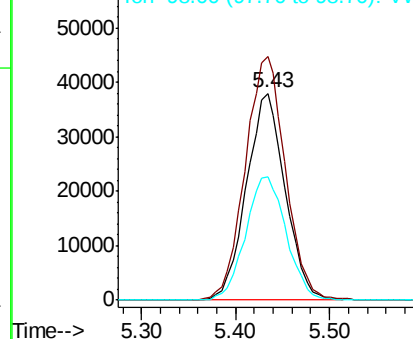
96 100

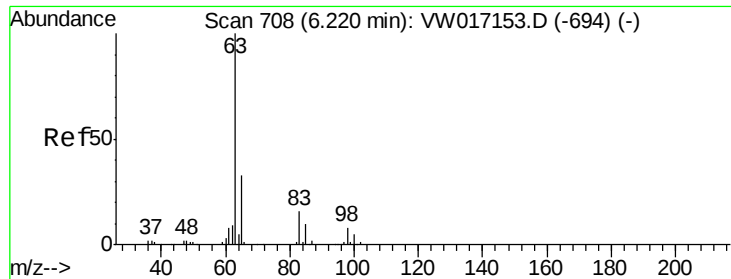
61 117.9 86.8 161.2

98 59.9 44.4 82.4



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: 22.880 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

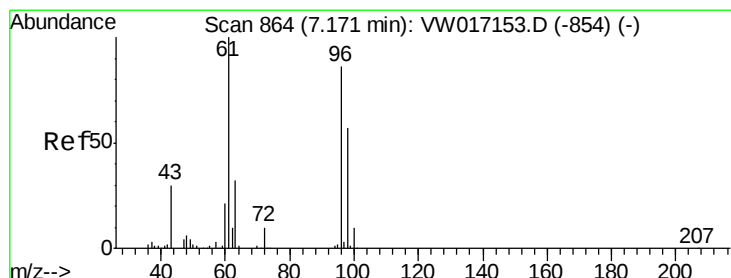
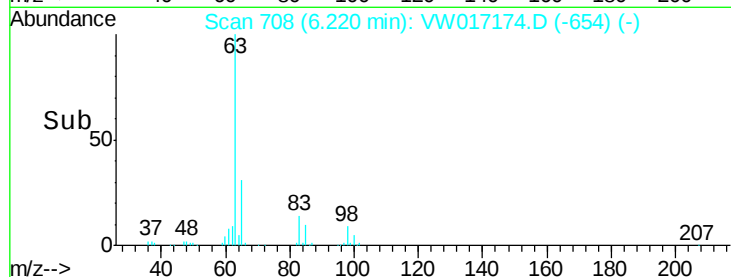
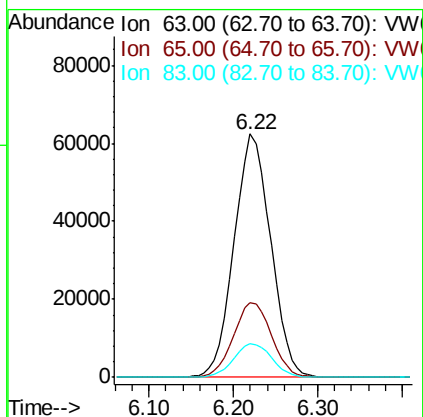
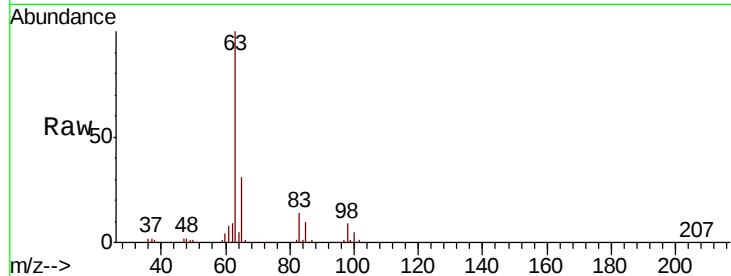
Tot Ion: 63 Resp: 183946

Ion Ratio Lower Upper

63 100

65 30.7 22.1 41.1

83 13.9 10.0 18.6



#21

2-Butanone

Concen: 37.397 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017174.D

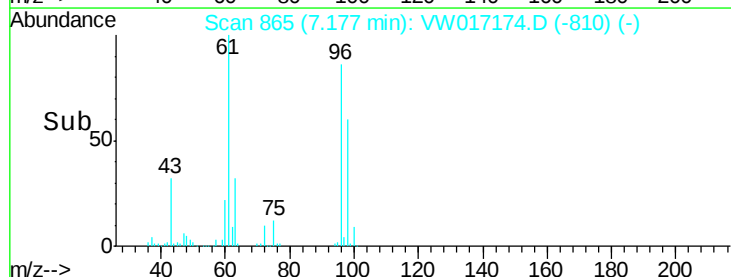
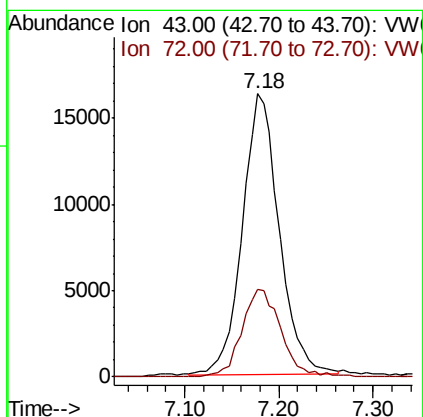
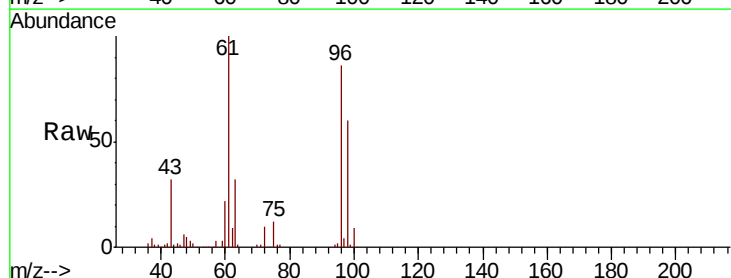
Acq: 11 Nov 2020 19:42

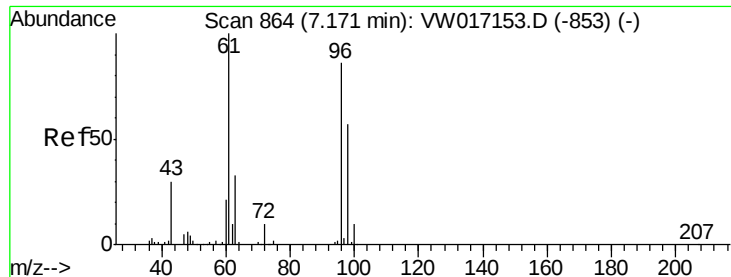
Tgt Ion: 43 Resp: 44730

Ion Ratio Lower Upper

43 100

72 32.9 16.1 48.3



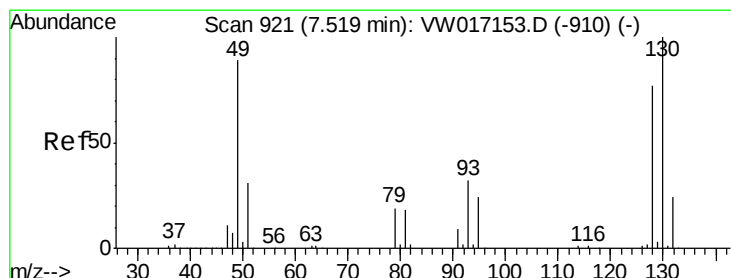
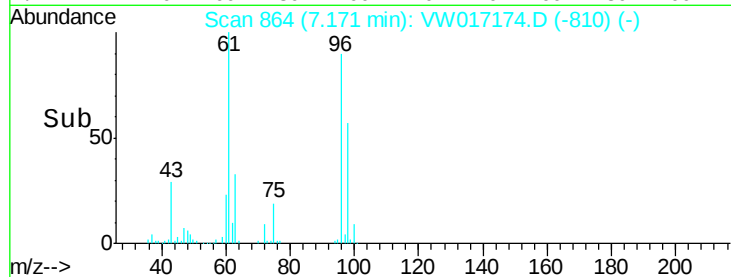
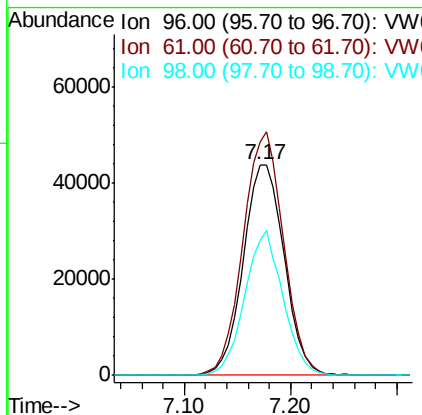
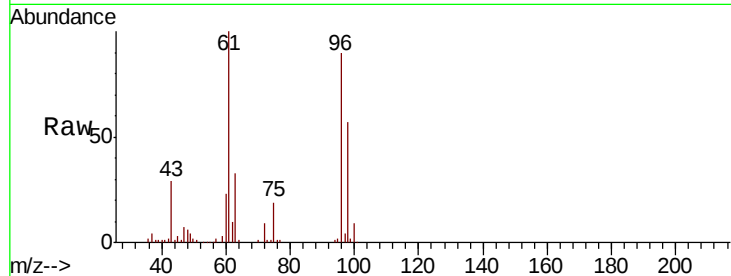


#22

cis-1,2-Dichloroethene
 Concen: 22.059 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017174.D
 Acq: 11 Nov 2020 19:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

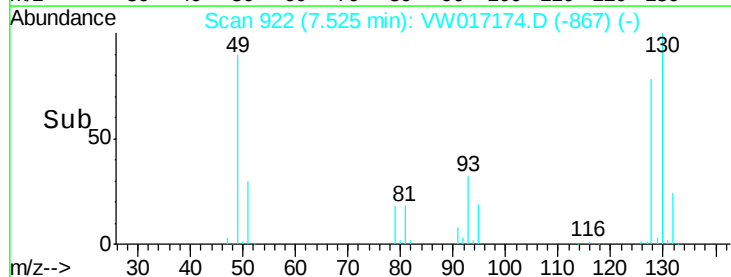
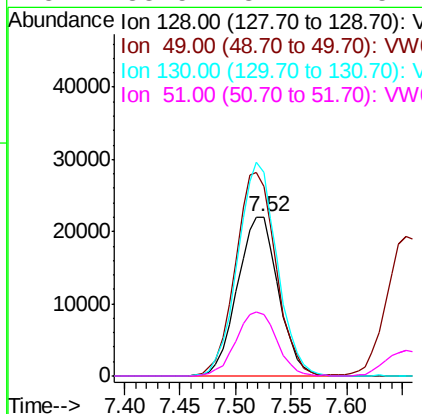
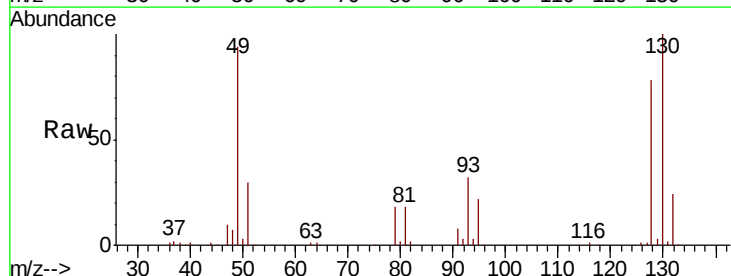
Tot Ion: 96 Resp: 118349
 Ion Ratio Lower Upper
 96 100
 61 111.1 77.4 143.8
 98 63.8 45.1 83.7

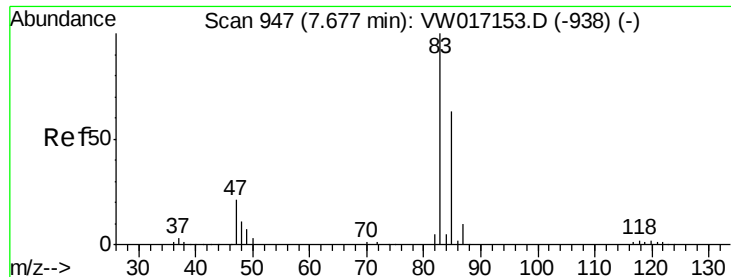


#23

Bromochloromethane
 Concen: 21.784 ug/L
 RT: 7.52 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VW017174.D
 Acq: 11 Nov 2020 19:42

Tgt Ion: 128 Resp: 56273
 Ion Ratio Lower Upper
 128 100
 49 119.2 88.3 163.9
 130 127.5 95.6 177.6
 51 38.5 32.2 48.4

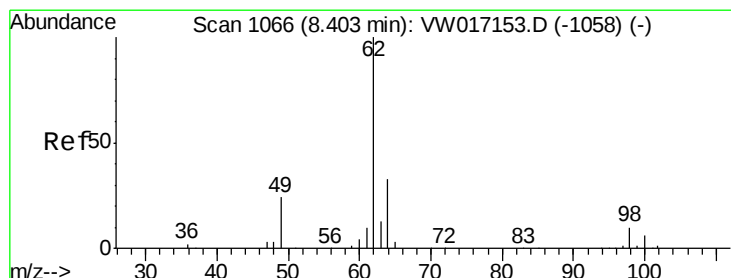
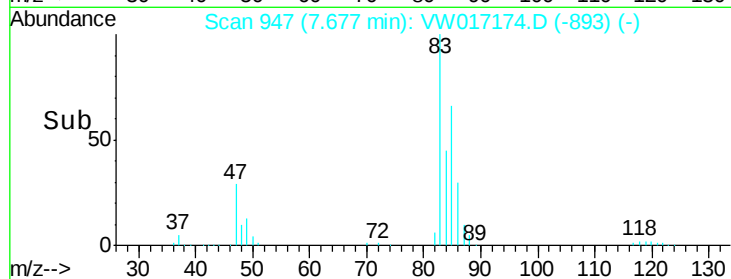
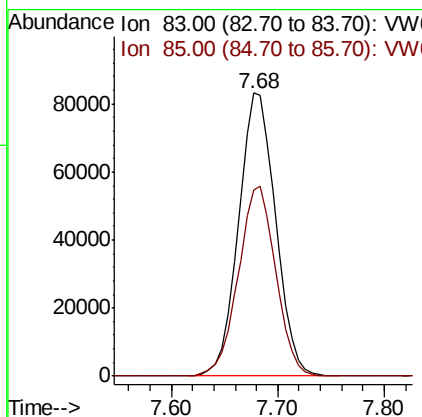
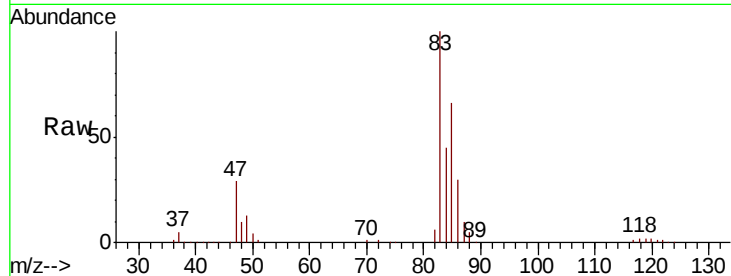




#25
Chloroform
Concen: 23.257 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

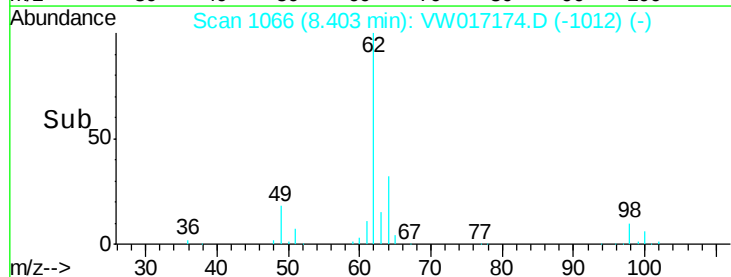
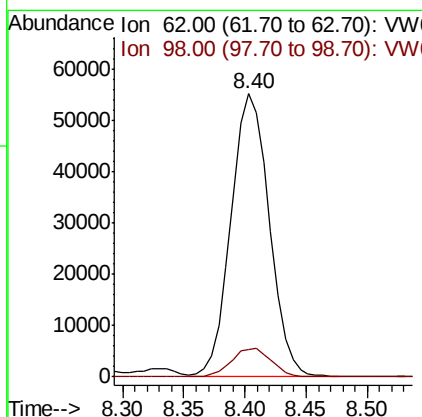
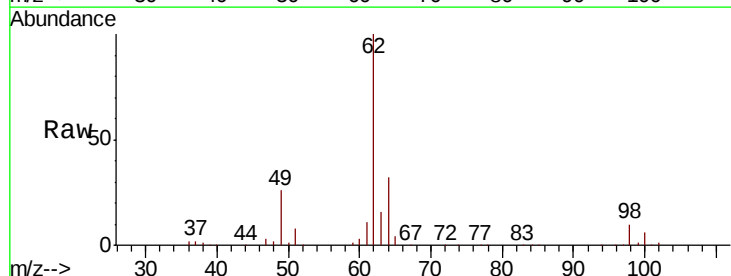
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

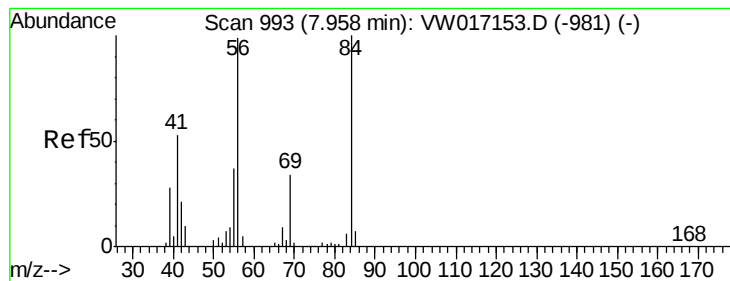
Tot Ion: 83 Resp: 203564
Ion Ratio Lower Upper
83 100
85 67.8 46.4 86.2



#27
1,2-Dichloroethane
Concen: 22.915 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

Tgt Ion: 62 Resp: 120192
Ion Ratio Lower Upper
62 100
98 9.7 9.4 14.0





#30

Cyclohexane

Concen: 20.823 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

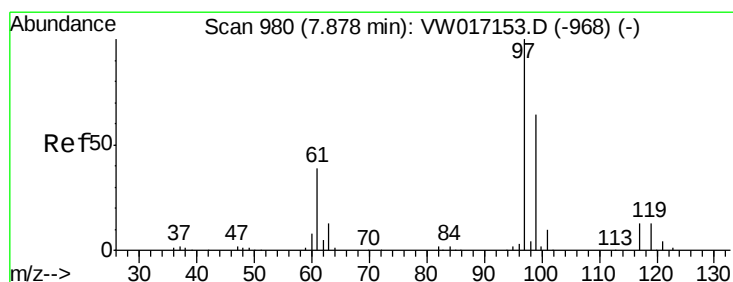
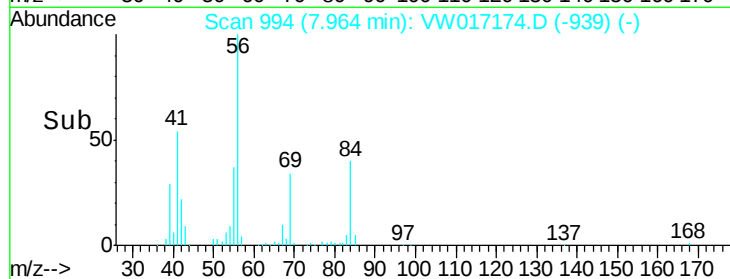
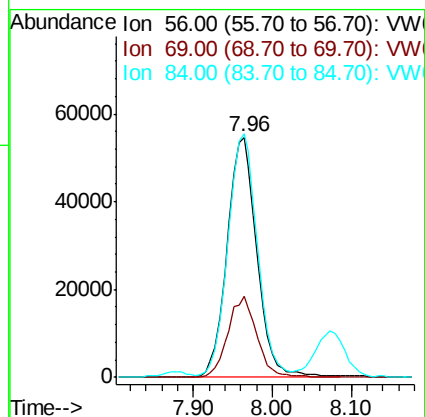
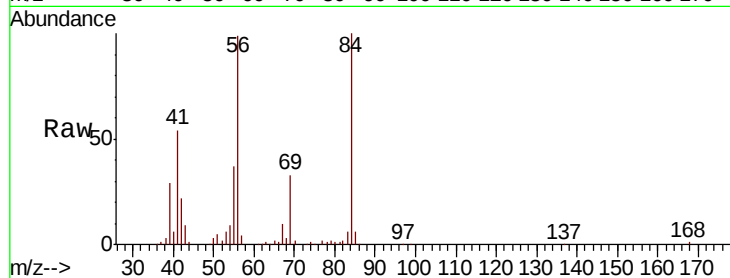
Tot Ion: 56 Resp: 143946

Ion Ratio Lower Upper

56 100

69 32.7 26.1 39.1

84 100.0 79.1 118.7



#31

1,1,1-Trichloroethane

Concen: 23.336 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

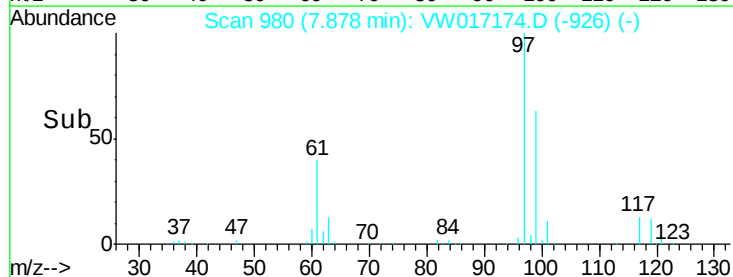
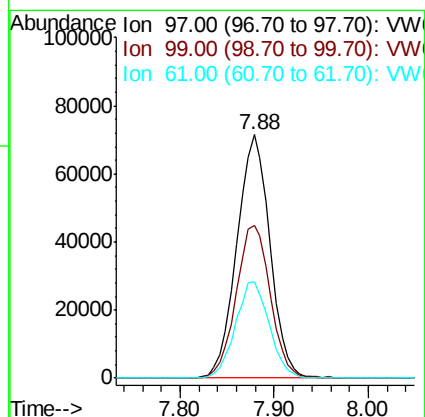
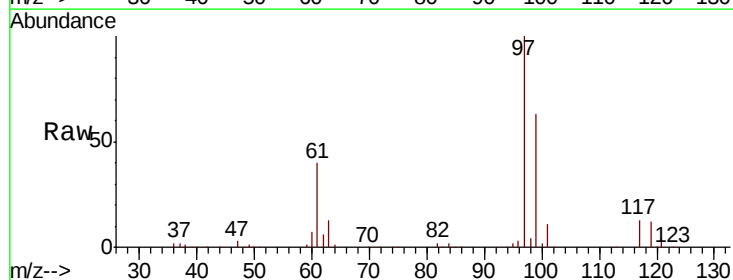
Tgt Ion: 97 Resp: 175452

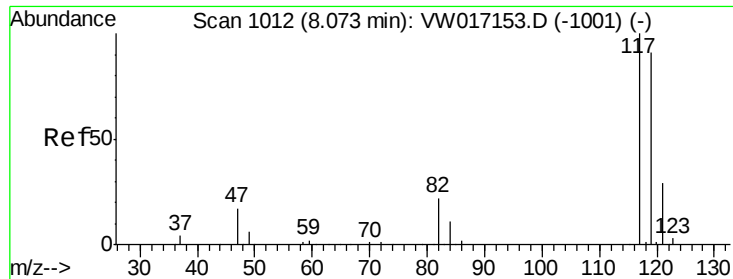
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

61 40.5 31.6 47.4





#32

Carbon tetrachloride

Concen: 23.376 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

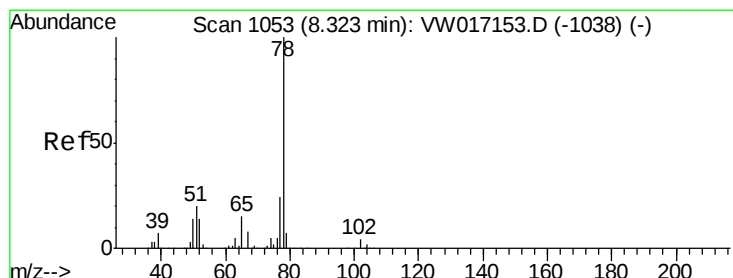
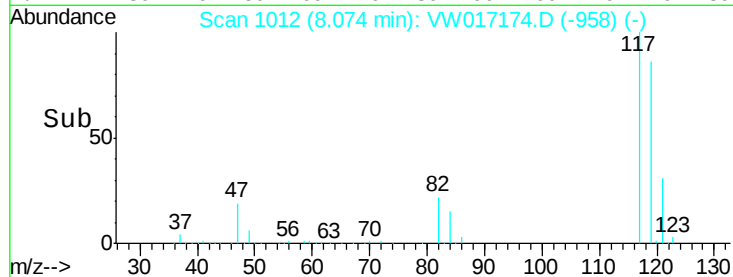
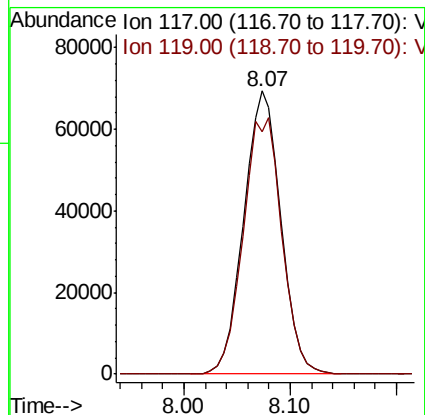
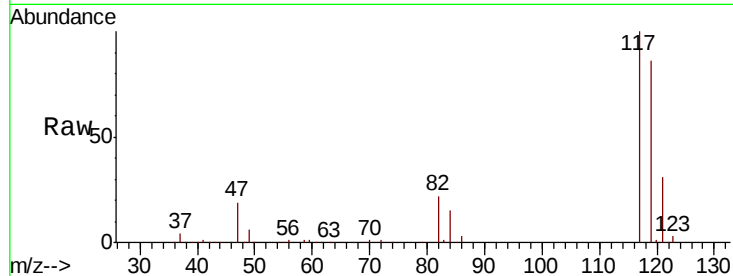
VSTD02523

Tot Ion:117 Resp: 169587

Ion Ratio Lower Upper

117 100

119 94.8 77.7 116.5



#34

Benzene

Concen: 21.903 ug/L

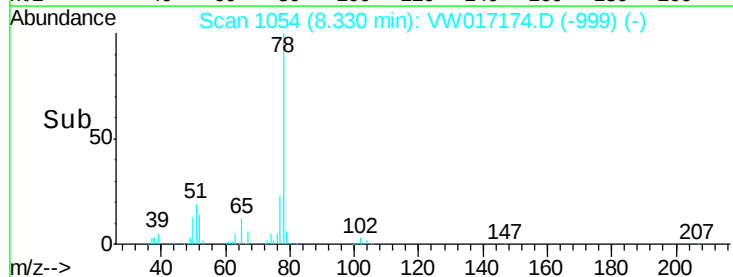
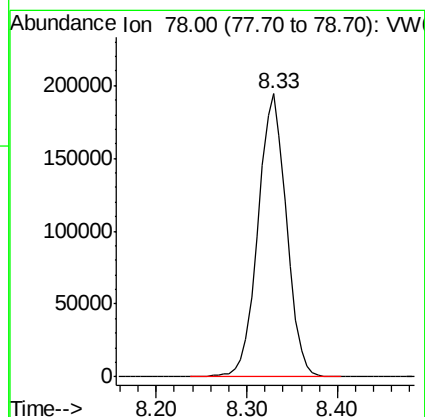
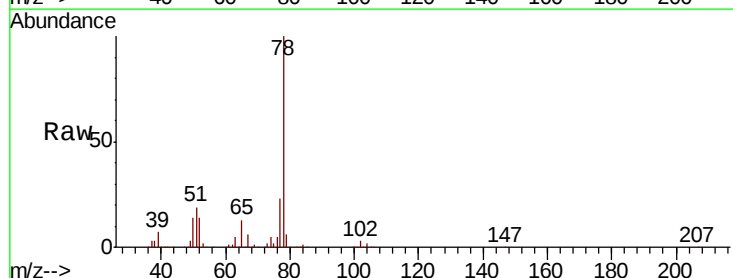
RT: 8.33 min Scan# 1054

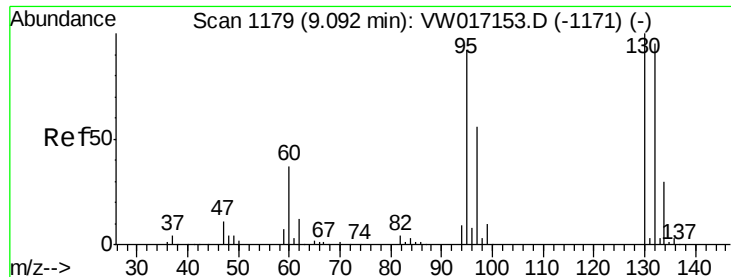
Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Tgt Ion: 78 Resp: 422249





#35

Trichloroethene

Concen: 21.803 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tot Ion: 95 Resp: 117745

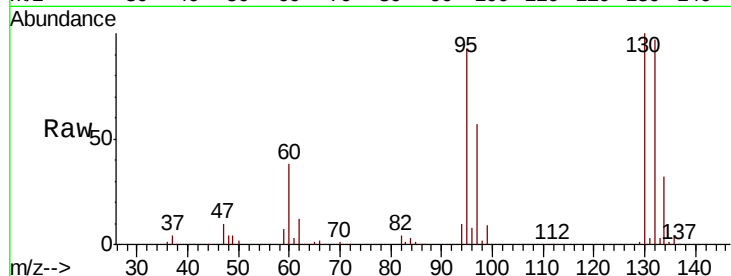
Ion Ratio Lower Upper

95 100

97 63.8 45.0 83.6

132 105.6 73.7 136.9

130 110.9 77.1 143.1

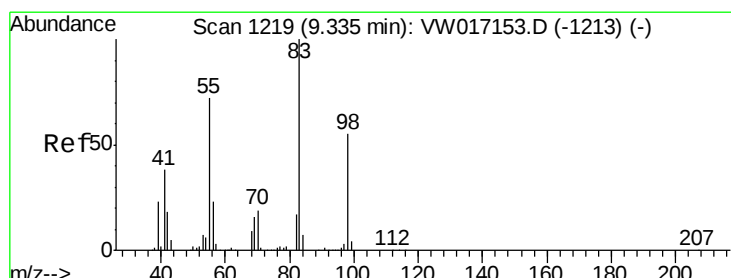
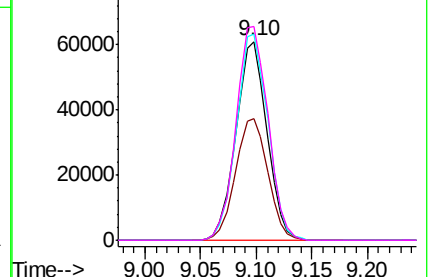
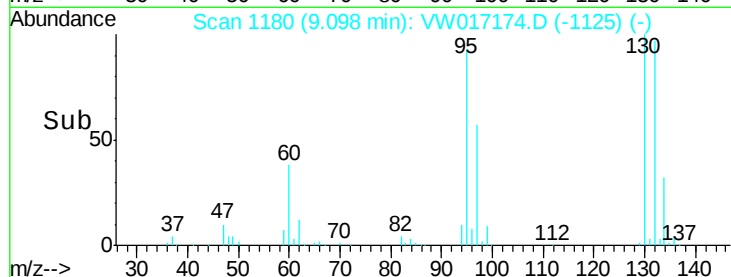


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 21.310 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

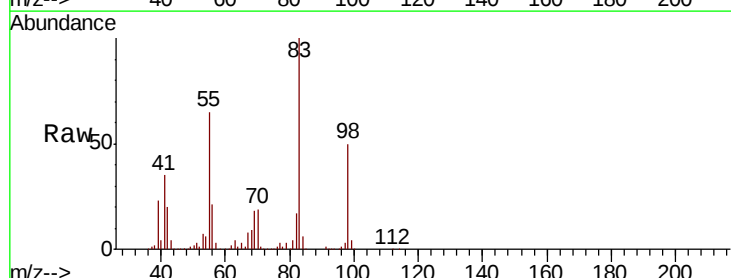
Tgt Ion: 83 Resp: 185185

Ion Ratio Lower Upper

83 100

55 68.2 54.4 81.6

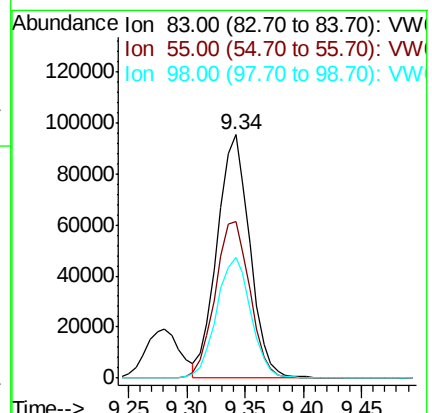
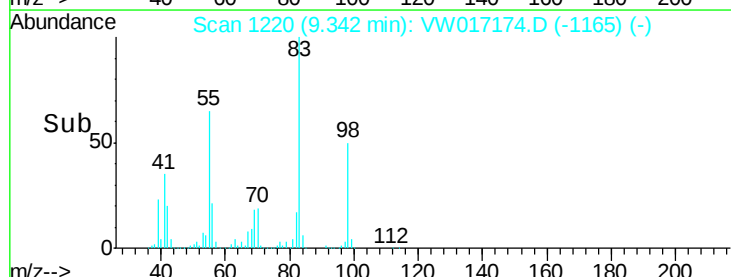
98 51.8 40.5 60.7

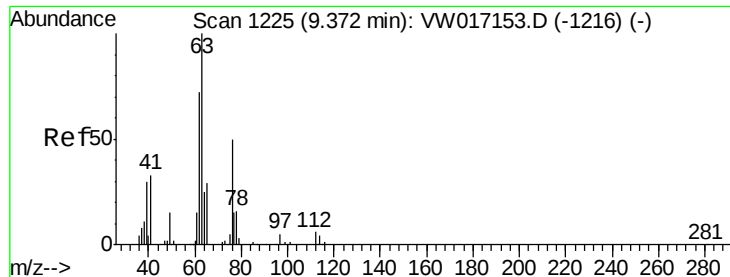


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 22.407 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

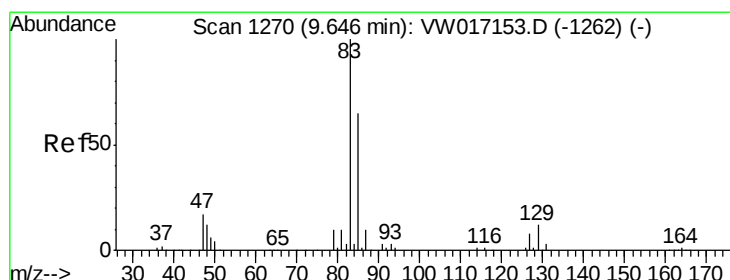
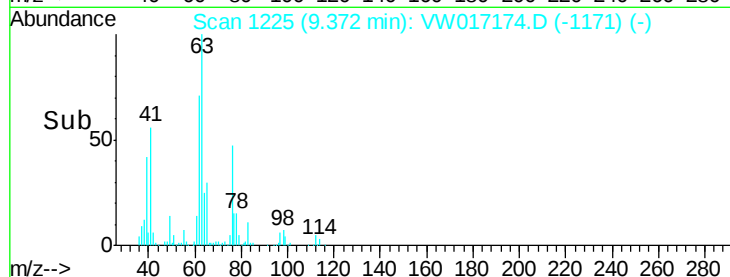
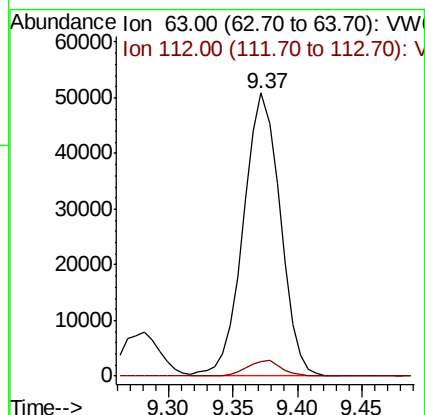
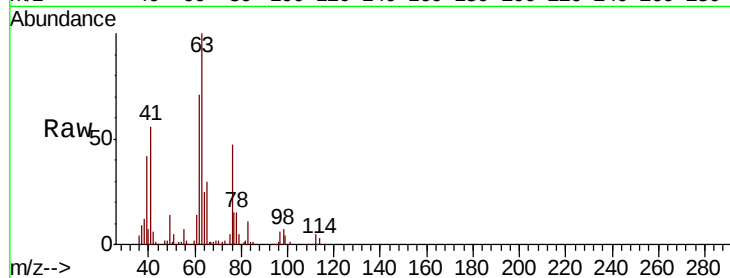
VSTD02523

Tot Ion: 63 Resp: 100977

Ion Ratio Lower Upper

63 100

112 5.3 4.2 6.2



#41

Bromodichloromethane

Concen: 22.827 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

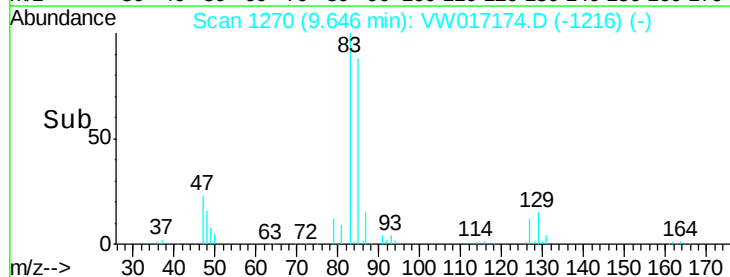
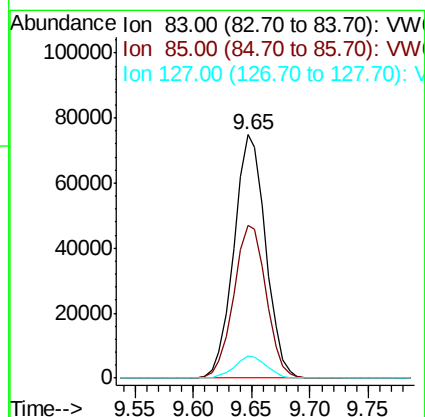
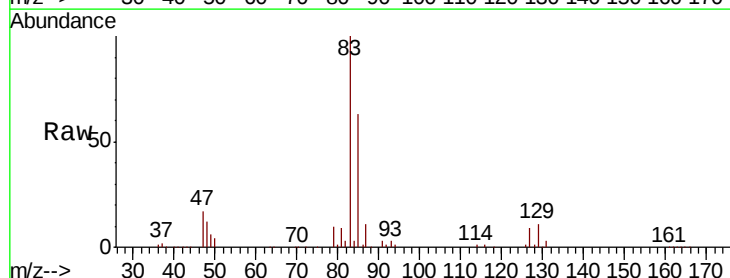
Tgt Ion: 83 Resp: 142279

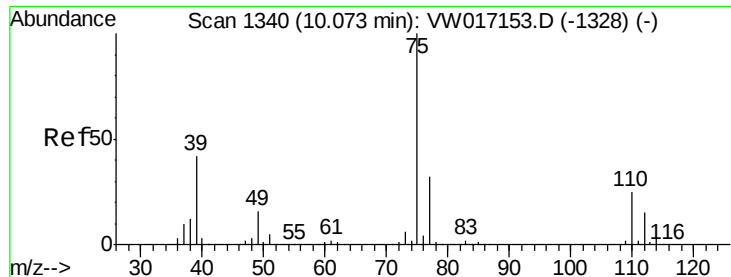
Ion Ratio Lower Upper

83 100

85 63.0 44.4 82.4

127 8.9 7.3 10.9





#42

cis-1,3-Dichloropropene

Concen: 21.916 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

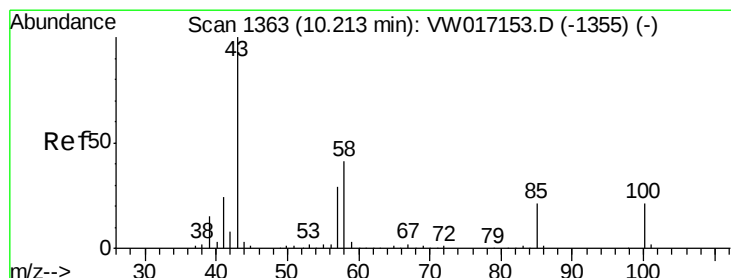
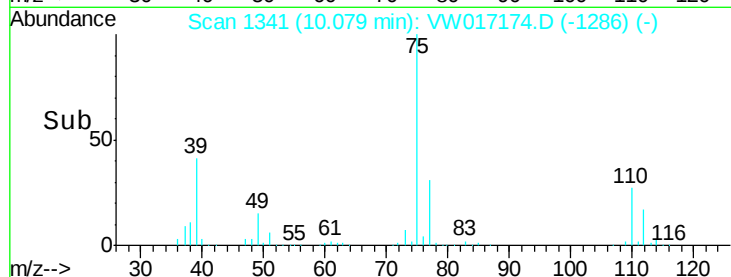
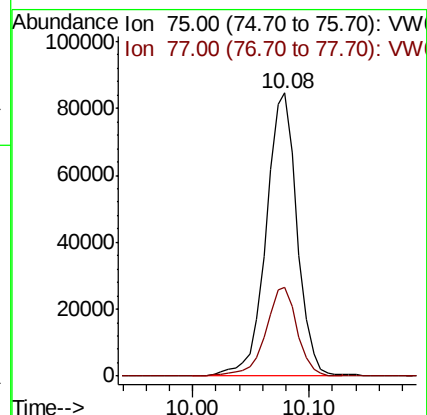
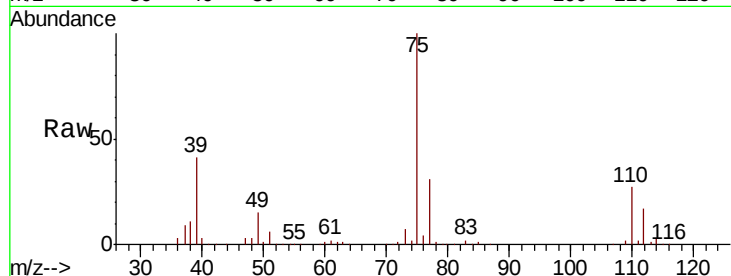
VSTD02523

Tot Ion: 75 Resp: 156439

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 37.037 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

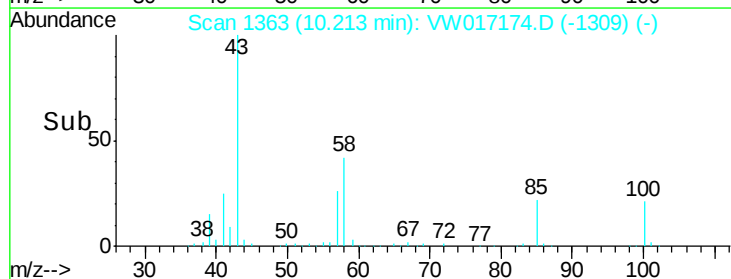
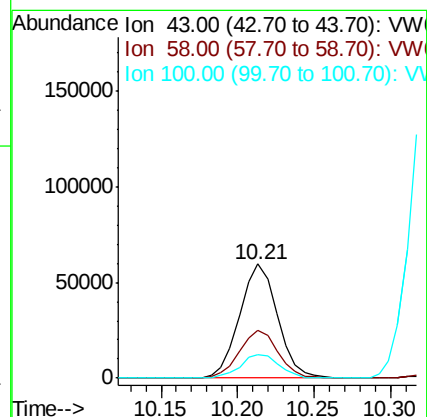
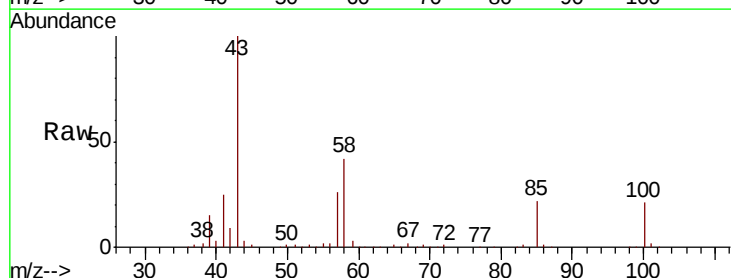
Tgt Ion: 43 Resp: 102977

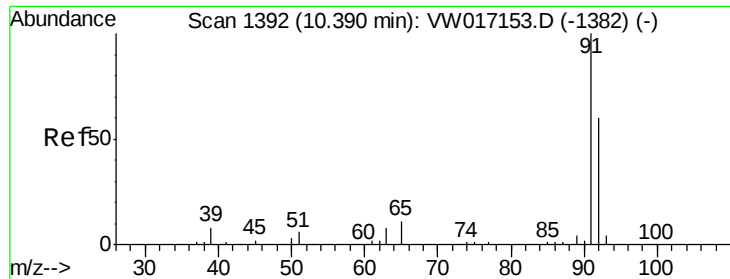
Ion Ratio Lower Upper

43 100

58 42.8 35.0 52.6

100 21.2 16.6 24.8





#44

Toluene

Concen: 22.675 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

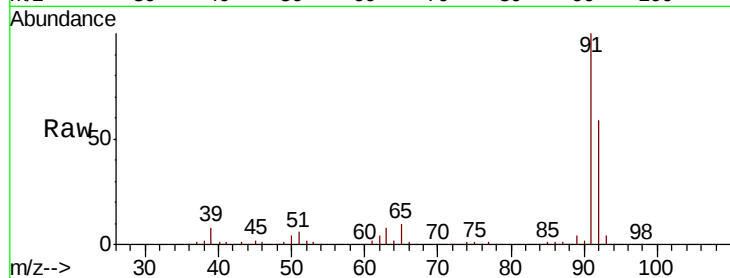
VSTD02523

Tot Ion: 91 Resp: 481174

Ion Ratio Lower Upper

91 100

92 59.1 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

300000

250000

200000

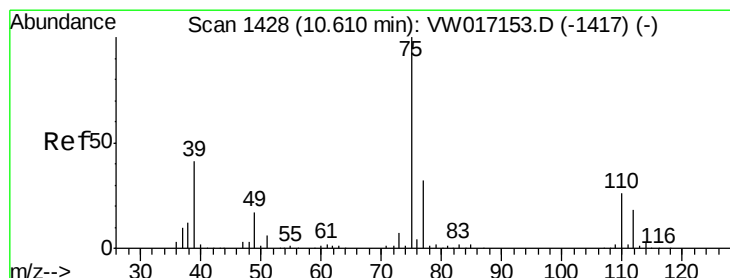
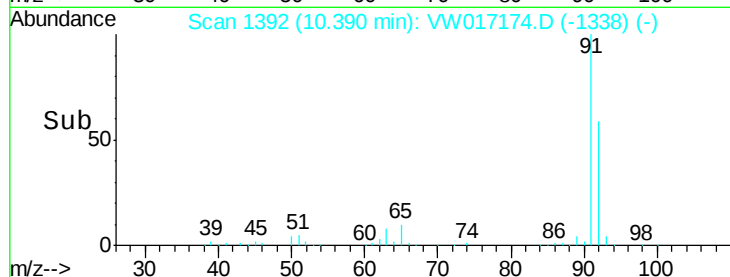
150000

100000

50000

0

Time--> 10.30 10.35 10.40 10.45



#45

trans-1,3-Dichloropropene

Concen: 21.955 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017174.D

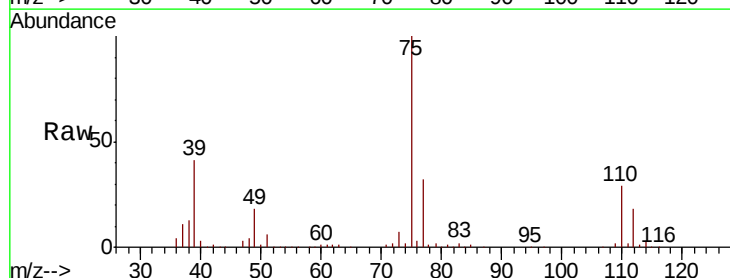
Acq: 11 Nov 2020 19:42

Tgt Ion: 75 Resp: 134586

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

80000

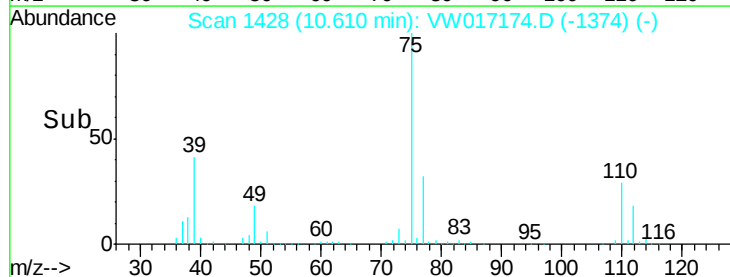
60000

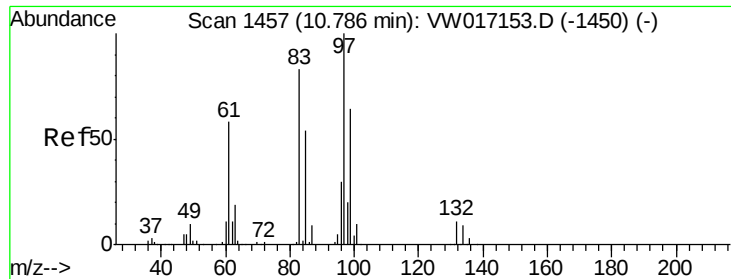
40000

20000

0

Time--> 10.50 10.60 10.70

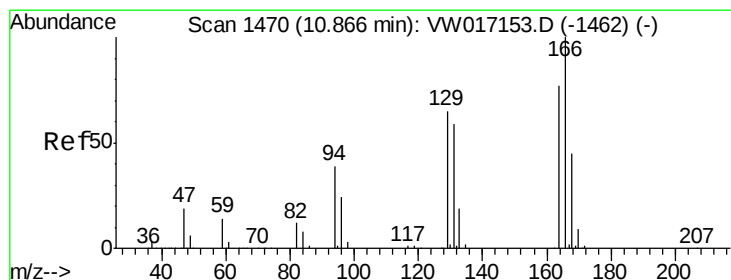
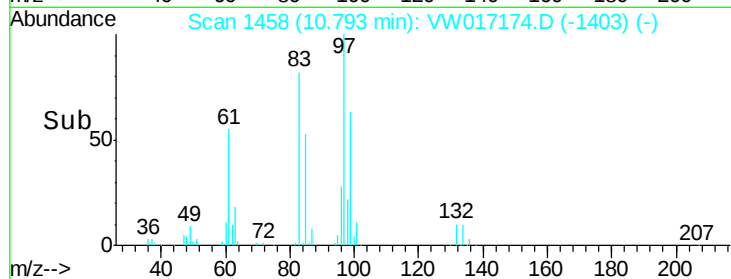
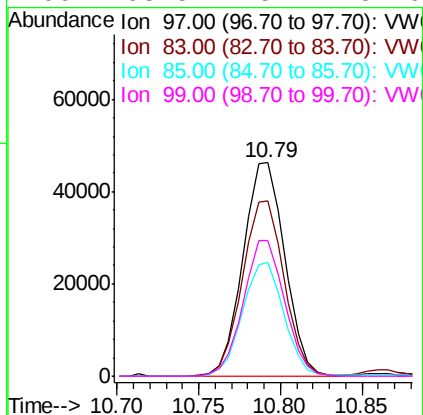
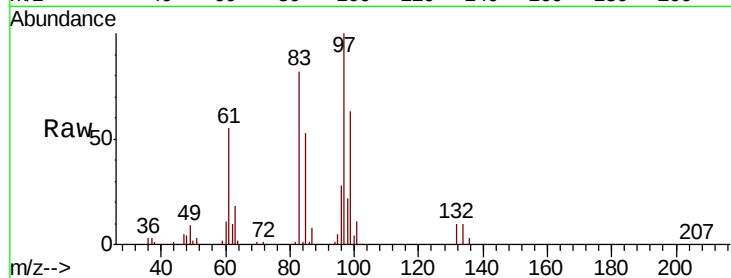




#46
1,1,2-Trichloroethane
Concen: 21.335 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

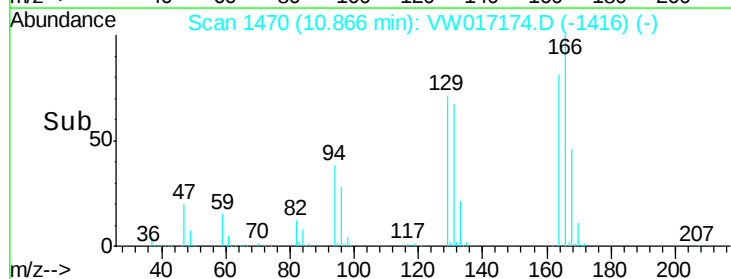
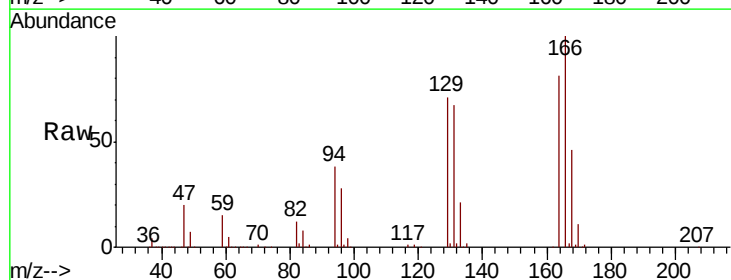
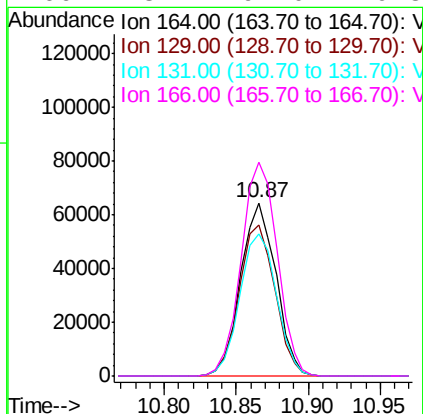
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

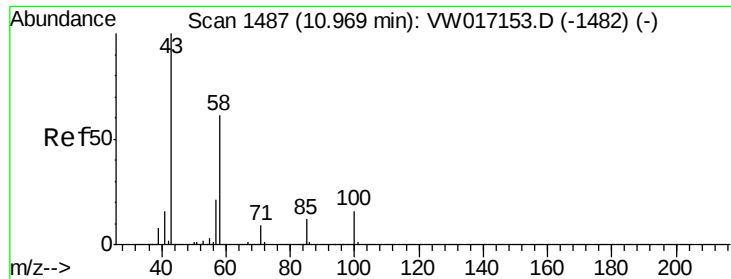
Tot Ion	97	Resp	82896
Ion	Ratio	Lower	Upper
97	100		
83	81.9	57.3	106.5
85	53.3	37.2	69.0
99	63.5	45.7	84.9



#47
Tetrachloroethene
Concen: 22.494 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

Tgt Ion	164	Resp	109601
Ion	Ratio	Lower	Upper
164	100		
129	87.1	62.9	116.7
131	82.0	63.3	117.5
166	123.2	92.0	170.8

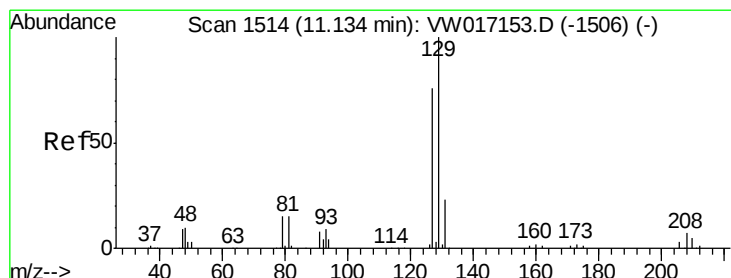
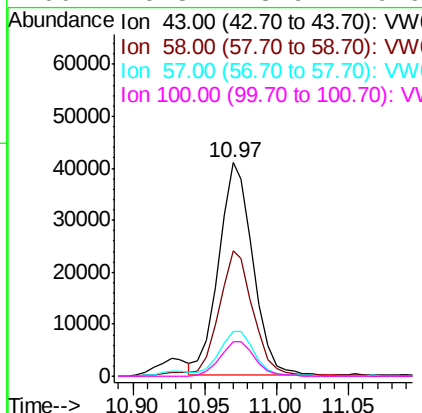
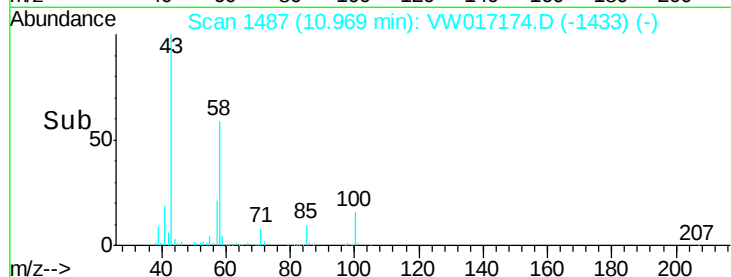
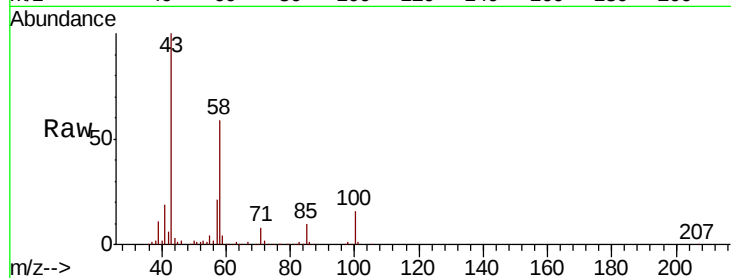




#49
2-Hexanone
Concen: 40.371 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

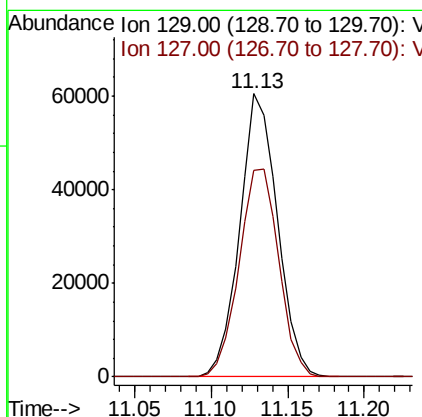
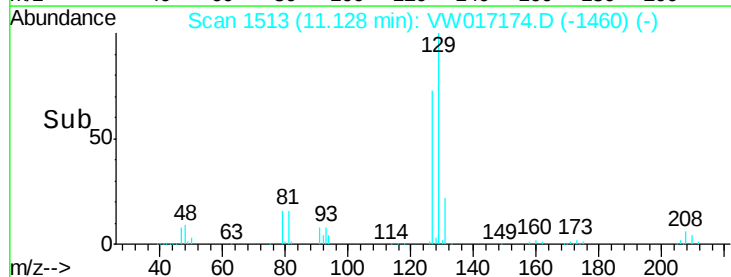
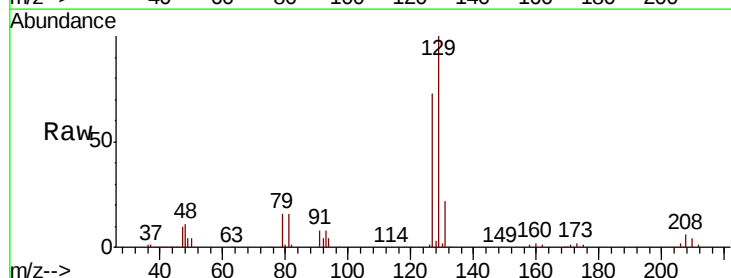
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

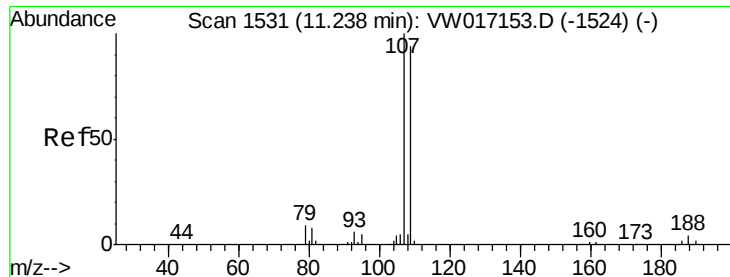
Tot Ion: 43 Resp: 67670
Ion Ratio Lower Upper
43 100
58 58.0 50.6 75.8
57 21.7 17.8 26.6
100 16.8 13.9 20.9



#50
Dibromochloromethane
Concen: 21.906 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

Tgt Ion: 129 Resp: 103695
Ion Ratio Lower Upper
129 100
127 72.8 54.3 100.9

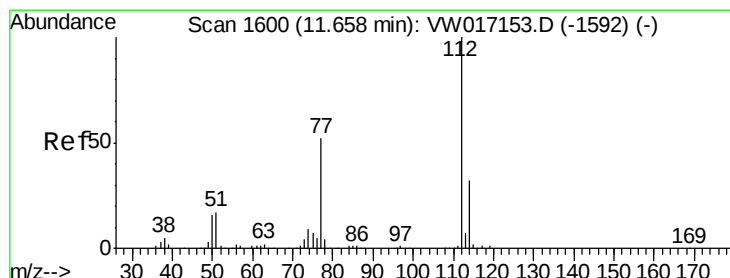
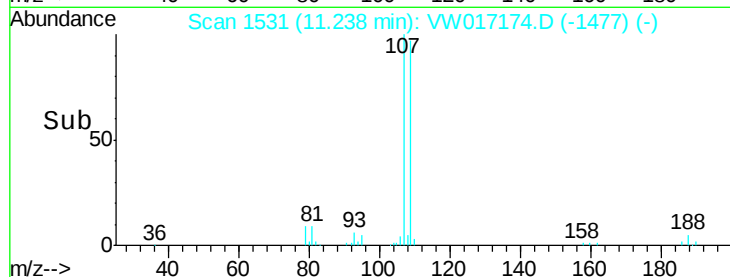
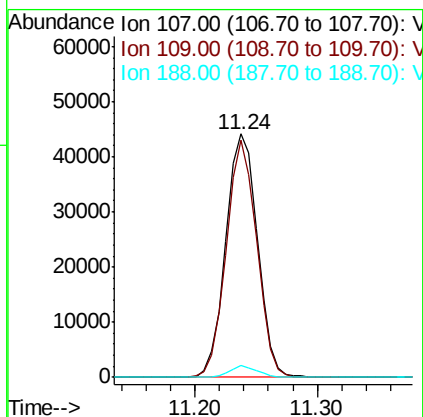
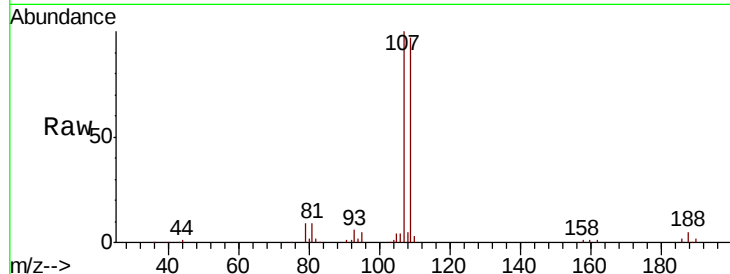




#51
1,2-Dibromoethane
Concen: 20.967 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

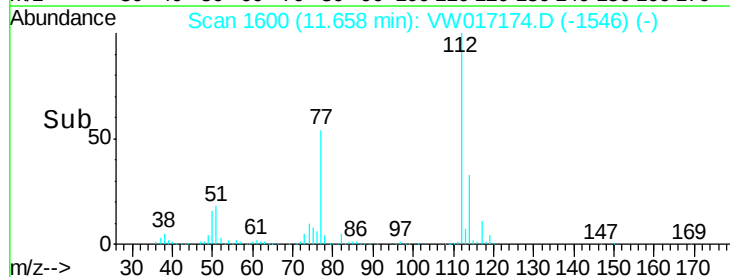
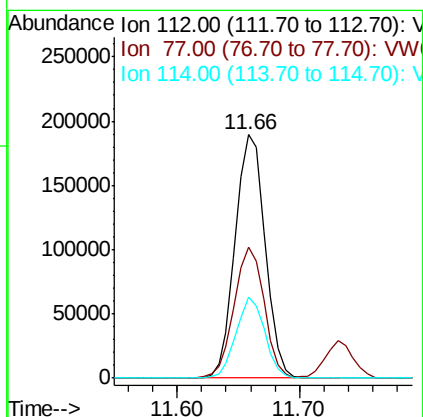
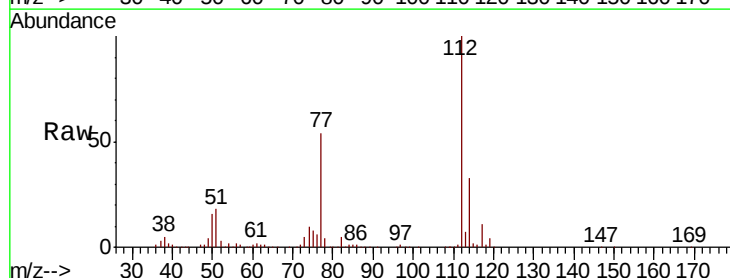
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

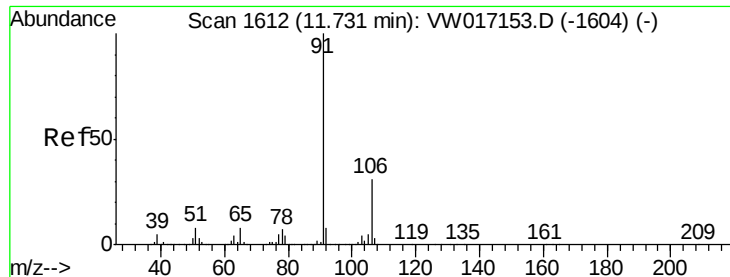
Tot Ion:107 Resp: 79144
Ion Ratio Lower Upper
107 100
109 97.2 64.3 119.5
188 4.7 3.3 4.9



#52
Chlorobenzene
Concen: 22.370 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

Tgt Ion:112 Resp: 321066
Ion Ratio Lower Upper
112 100
77 53.6 41.7 62.5
114 33.4 22.3 41.3

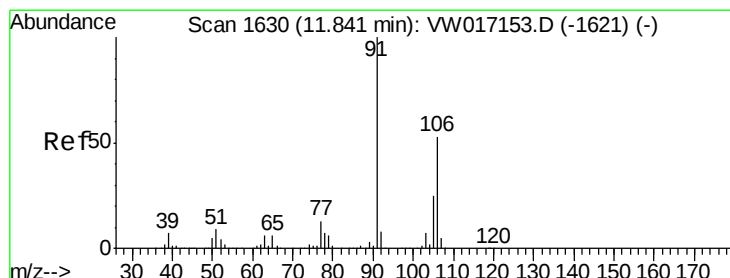
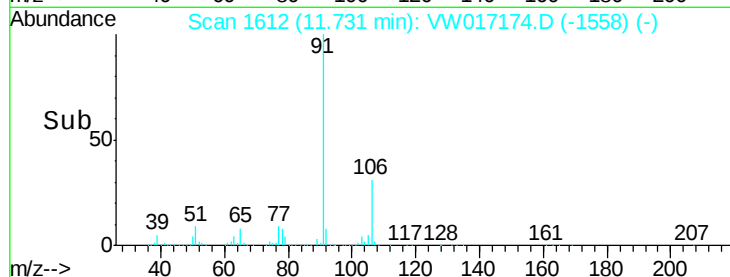
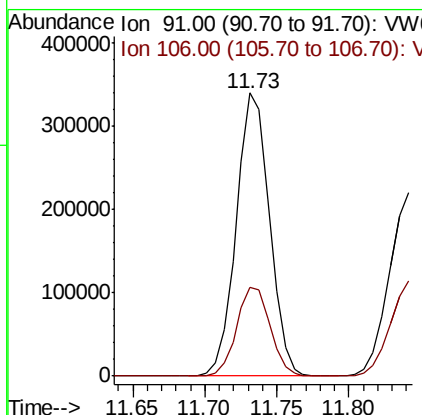
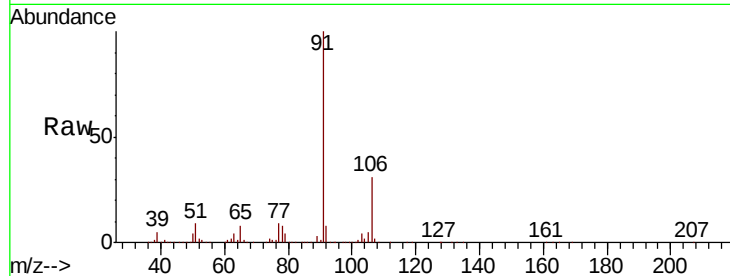




#53
Ethylbenzene
Concen: 23.041 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

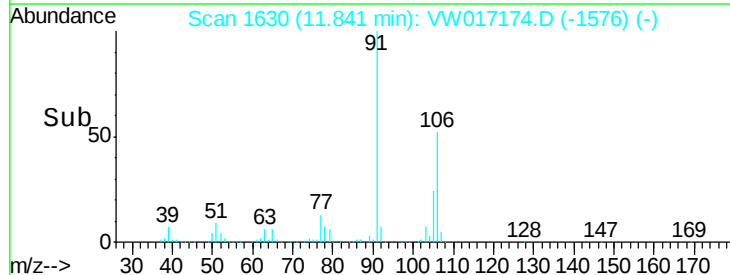
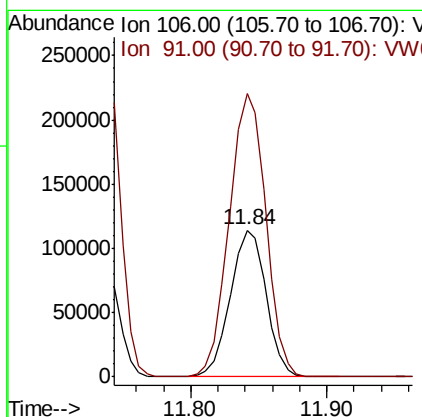
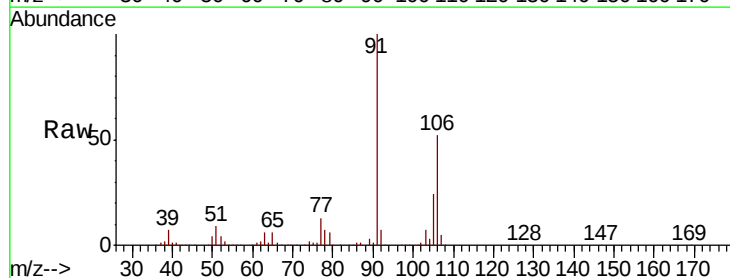
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

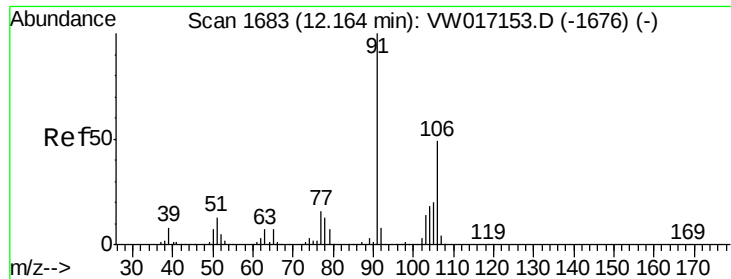
Tot Ion: 91 Resp: 546121
Ion Ratio Lower Upper
91 100
106 31.2 22.9 42.5



#54
m,p-Xylene
Concen: 22.538 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

Tgt Ion: 106 Resp: 208963
Ion Ratio Lower Upper
106 100
91 192.9 138.7 257.5

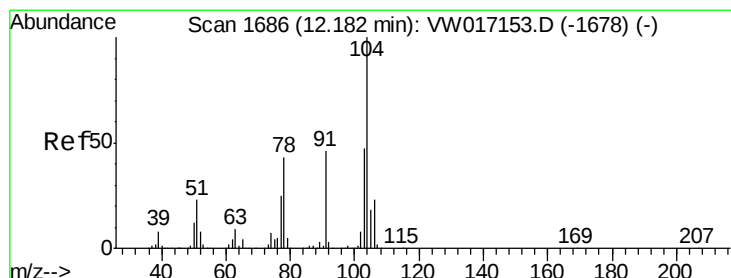
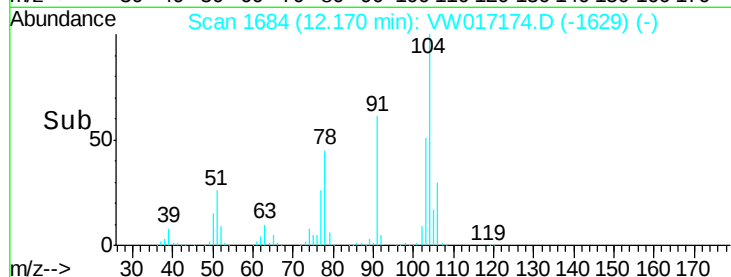
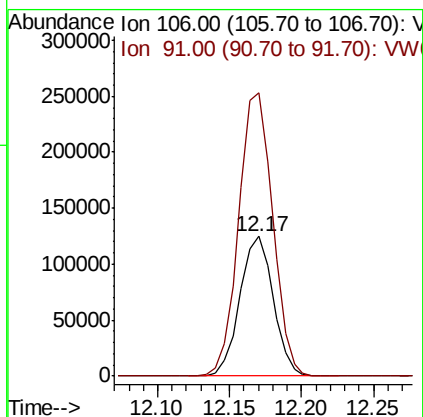
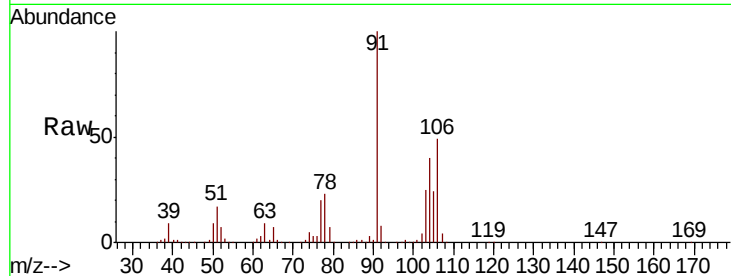




#55
o-xylene
Concen: 22.828 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

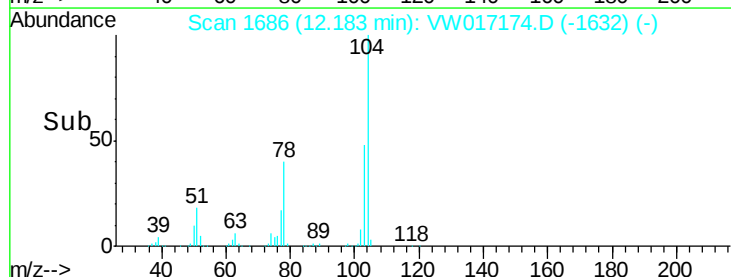
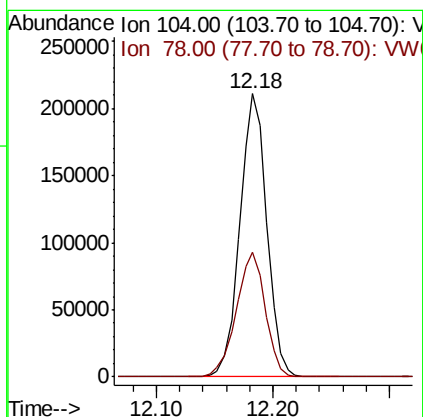
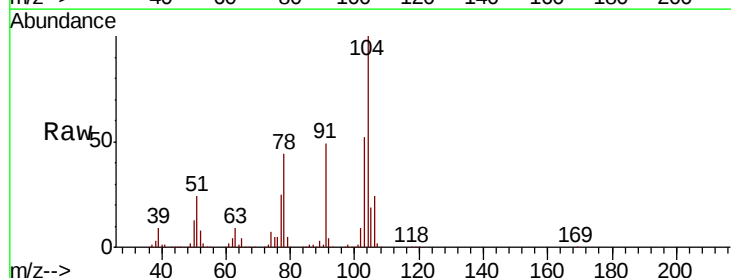
Instrument :
MSVOA_W
ClientSampled :
VSTD02523

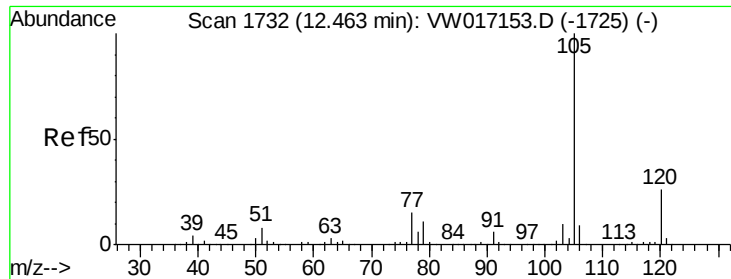
Tot Ion:106 Resp: 200894
Ion Ratio Lower Upper
106 100
91 202.6 140.8 261.4



#56
Styrene
Concen: 23.018 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017174.D
Acq: 11 Nov 2020 19:42

Tgt Ion:104 Resp: 340102
Ion Ratio Lower Upper
104 100
78 43.9 28.2 52.4





#57

Isopropylbenzene

Concen: 23.396 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

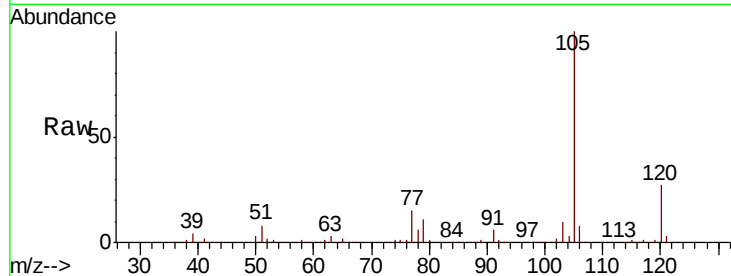
Tot Ion:105 Resp: 558772

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

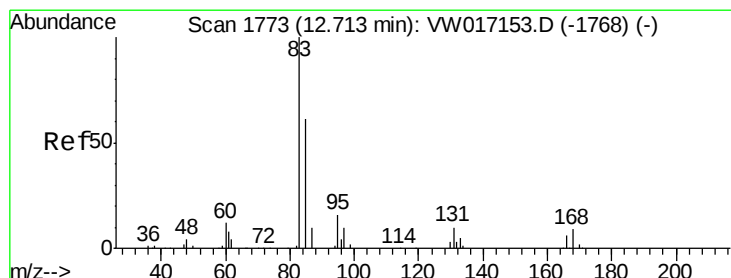
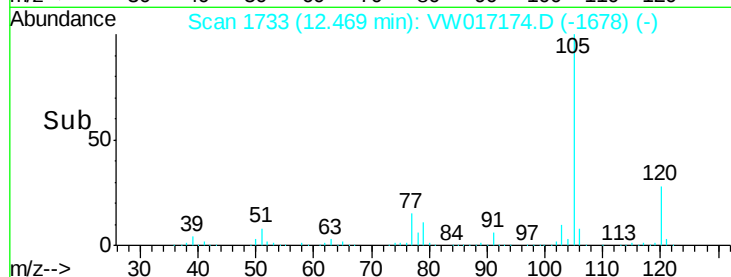
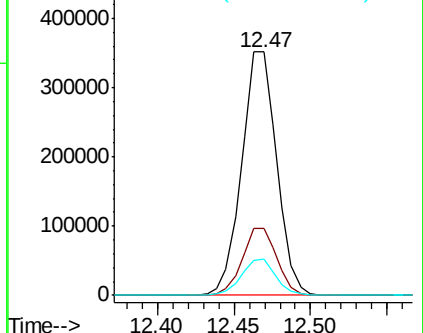
77 14.8 11.4 17.0



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: 21.071 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

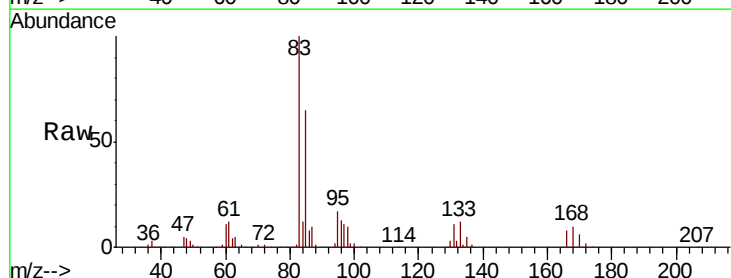
Tgt Ion: 83 Resp: 94581

Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.5

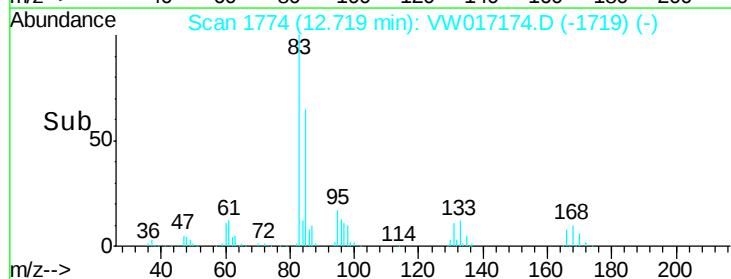
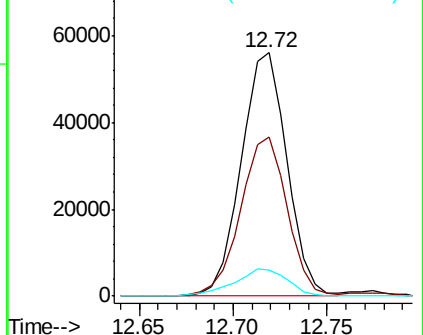
131 10.9 8.8 13.2

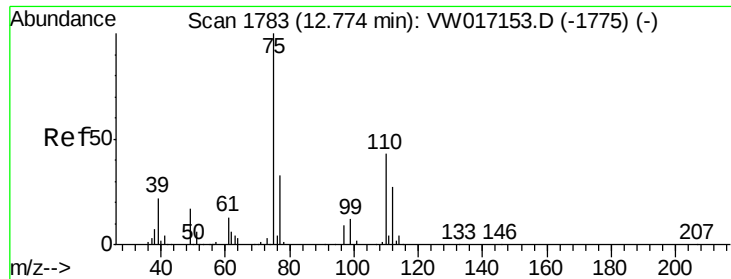


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

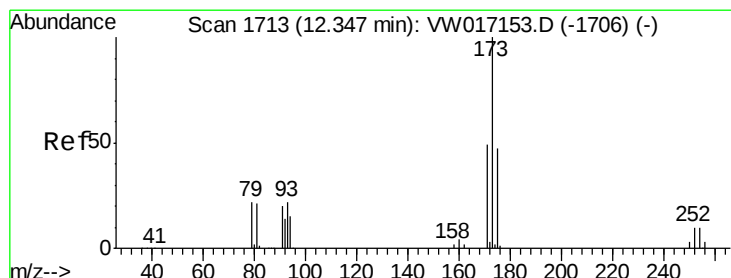
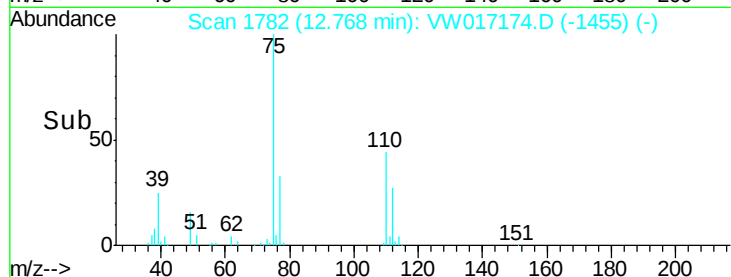
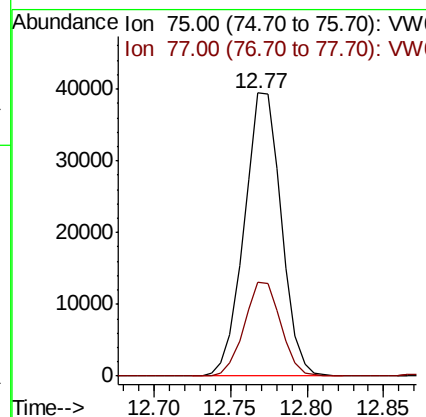
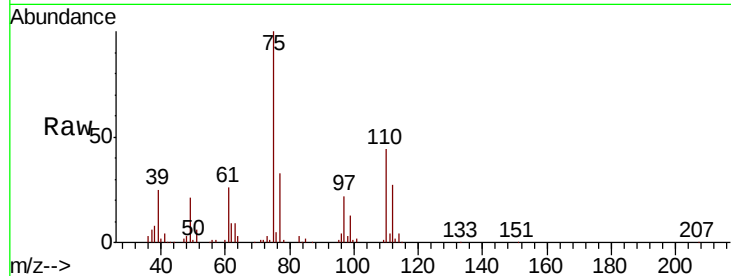




#59
 1,2,3-Trichloropropane
 Concen: 20.586 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW017174.D
 Acq: 11 Nov 2020 19:42

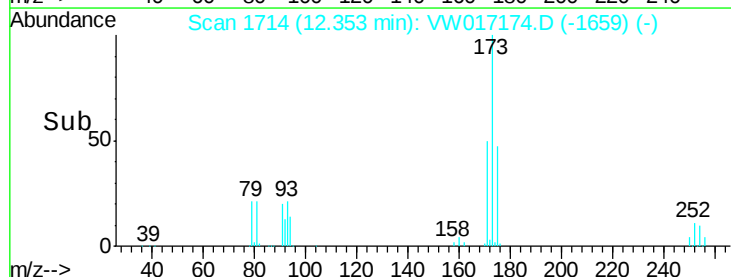
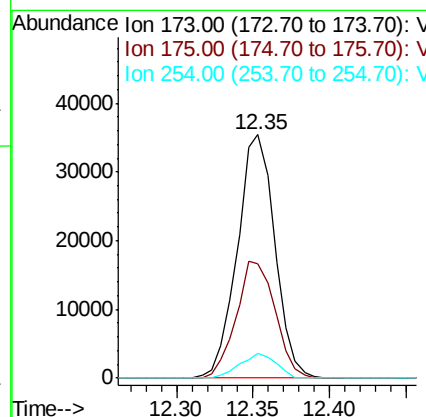
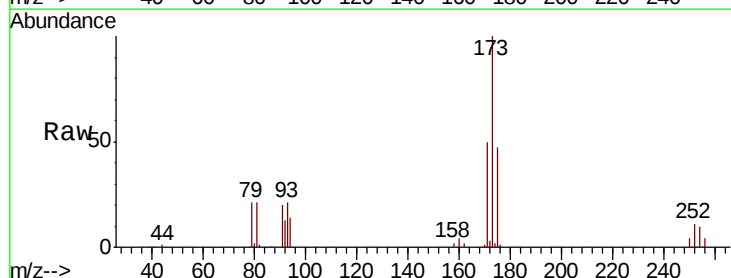
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

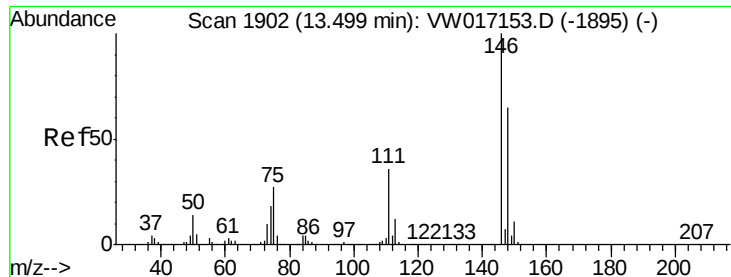
Tot Ion: 75 Resp: 66417
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.4 39.6



#62
 Bromoform
 Concen: 20.690 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017174.D
 Acq: 11 Nov 2020 19:42

Tgt Ion: 173 Resp: 60216
 Ion Ratio Lower Upper
 173 100
 175 49.6 38.3 57.5
 254 9.7 8.1 12.1





#63

1,3-Dichlorobenzene

Concen: 22.799 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

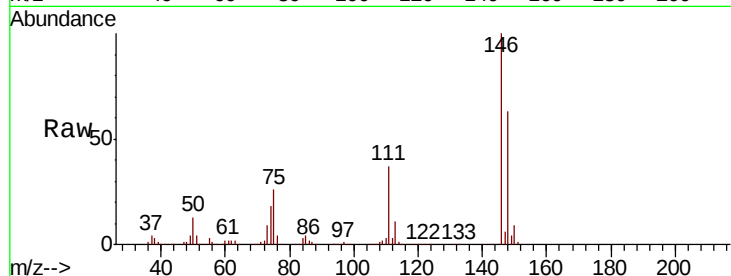
Tot Ion:146 Resp: 268900

Ion Ratio Lower Upper

146 100

111 36.8 26.4 49.0

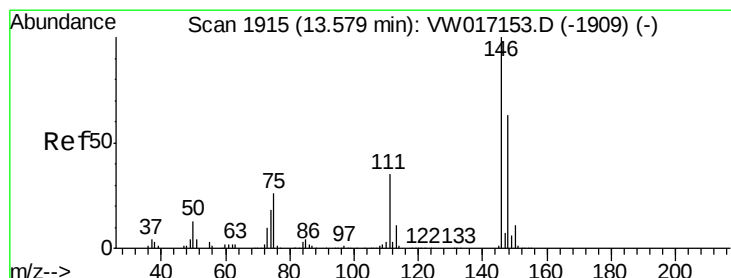
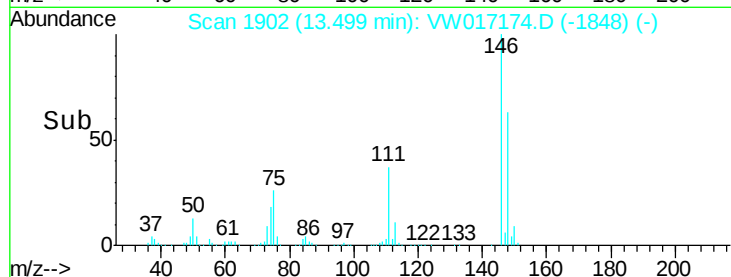
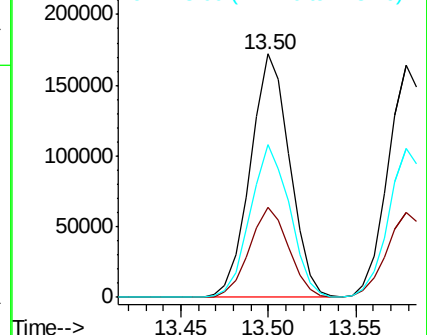
148 62.7 42.1 78.1



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: 22.035 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

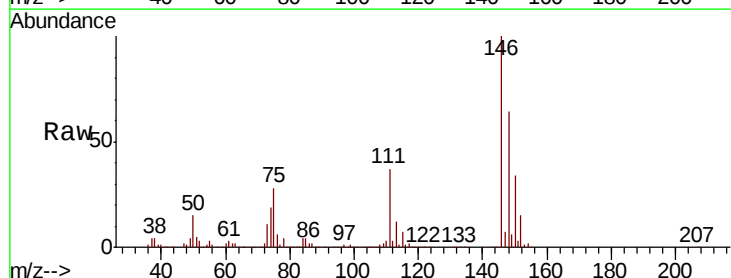
Tgt Ion:146 Resp: 261095

Ion Ratio Lower Upper

146 100

111 36.7 24.5 45.5

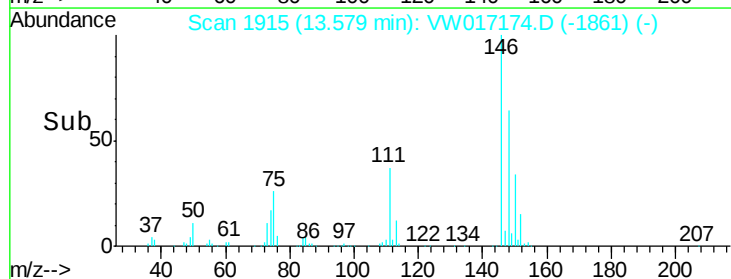
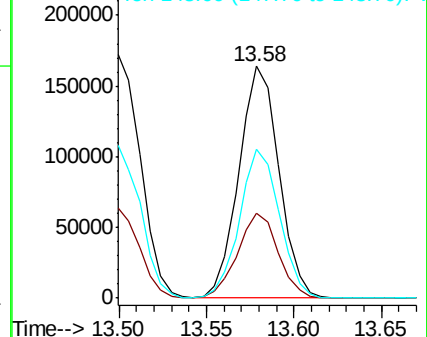
148 64.0 45.5 84.5

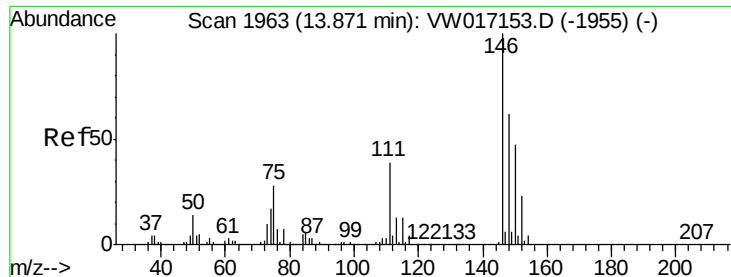


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

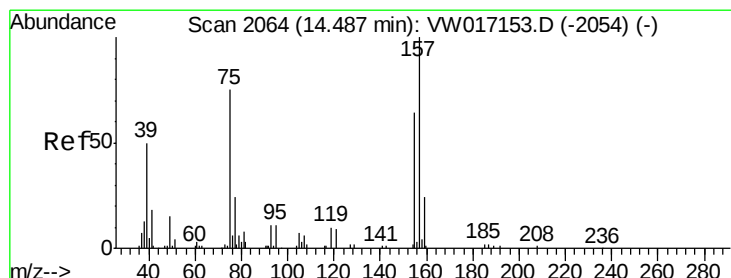
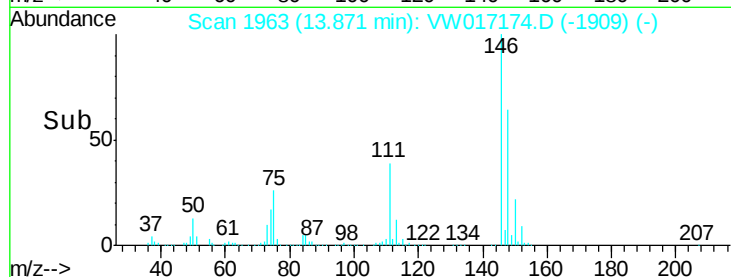
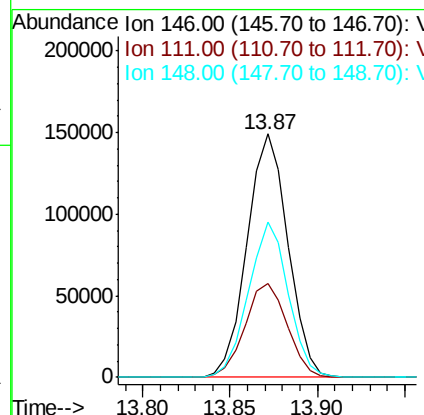
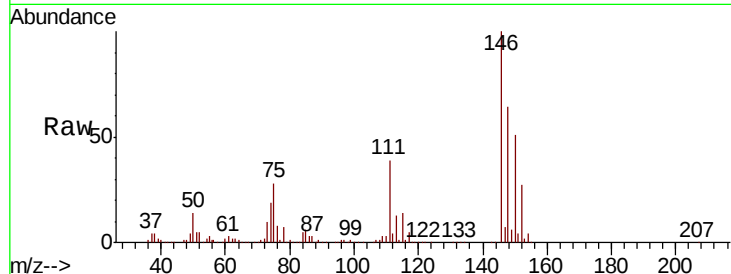




#65
 1,2-Dichlorobenzene
 Concen: 22.718 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017174.D
 Acq: 11 Nov 2020 19:42

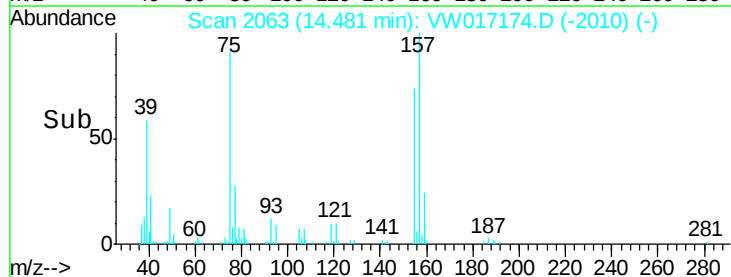
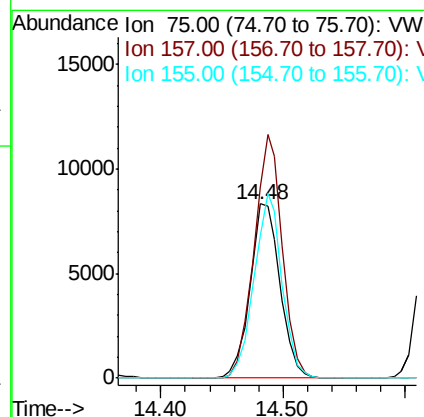
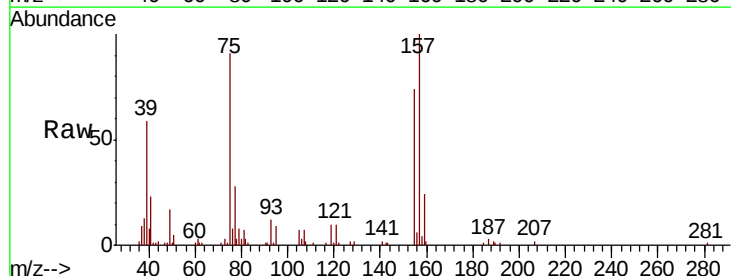
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

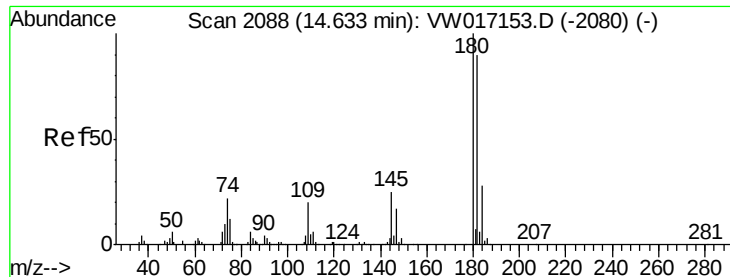
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	30.5	45.7
148	63.8	50.3	75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.128 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW017174.D
 Acq: 11 Nov 2020 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
157	110.0	108.2	162.4
155	81.9	79.1	118.7

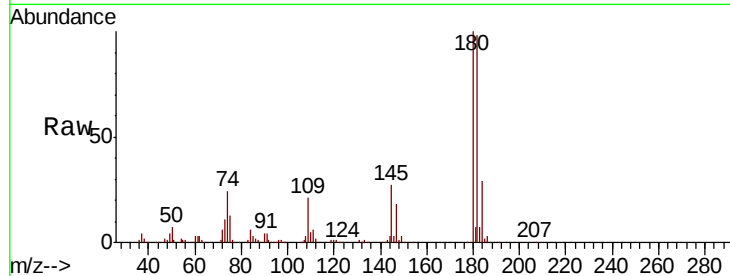




#67
 1,3,5-Trichlorobenzene
 Concen: 22.571 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW017174.D
 Acq: 11 Nov 2020 19:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.2	115.8
184	29.6	24.2	36.4
145	28.2	23.5	35.3

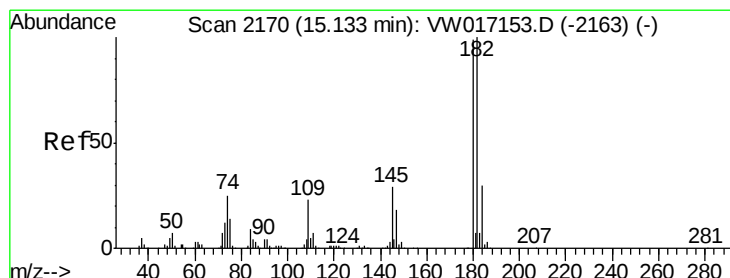
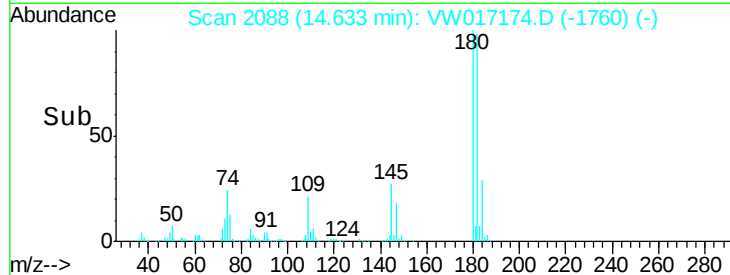
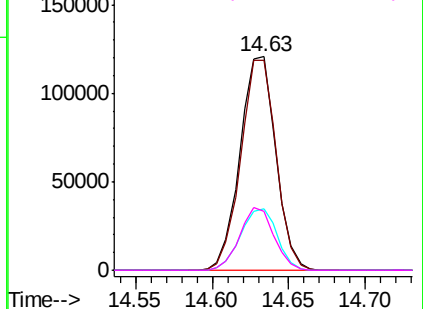


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

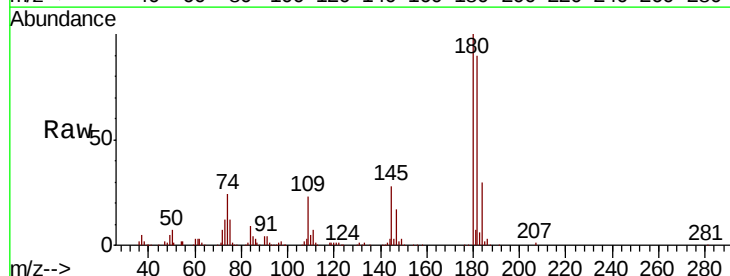
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.695 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017174.D
 Acq: 11 Nov 2020 19:42

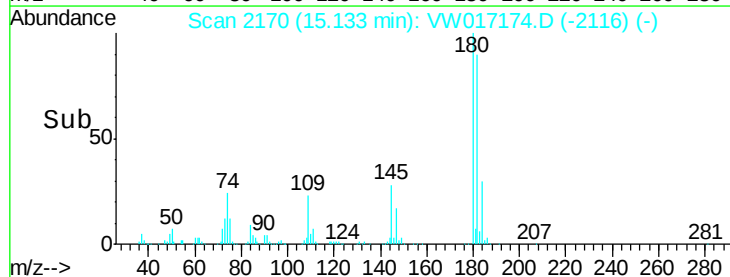
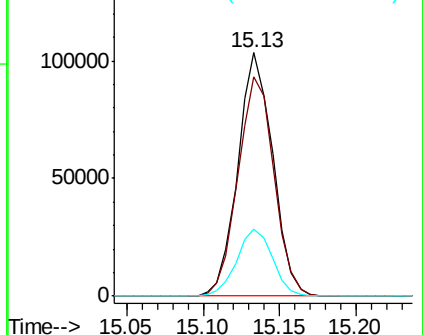
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.7	115.1
145	28.1	23.6	35.4

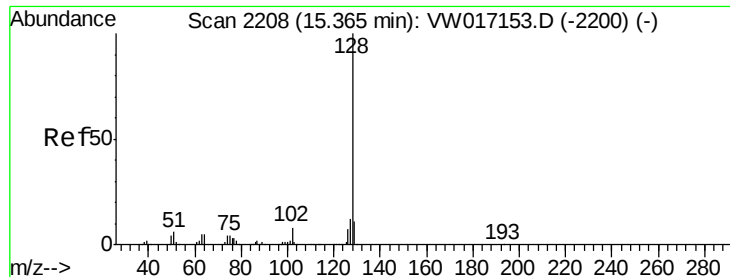


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 21.647 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

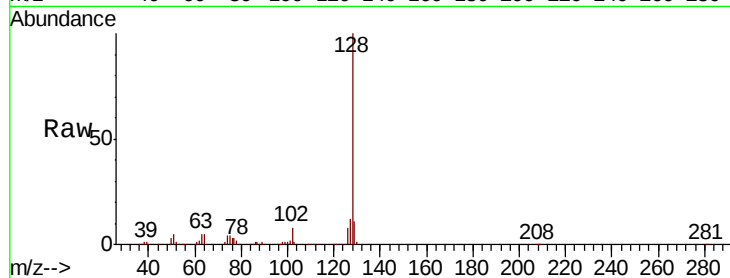
Tot Ion:128 Resp: 276289

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

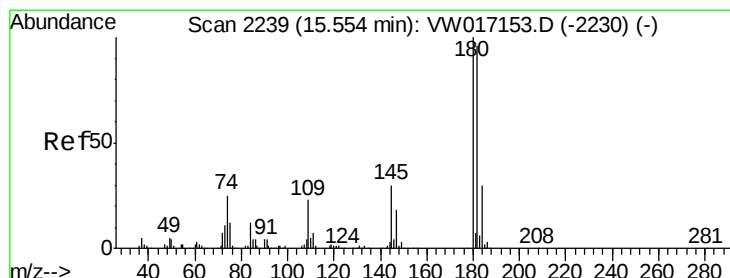
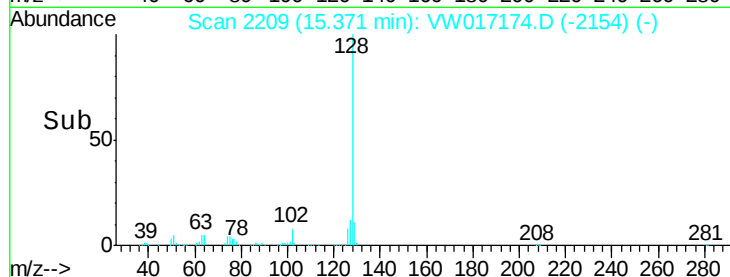
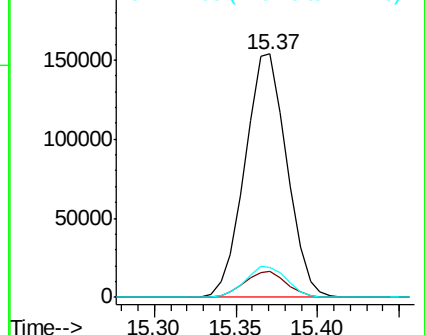
127 12.7 10.2 15.2



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: 21.584 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017174.D

Acq: 11 Nov 2020 19:42

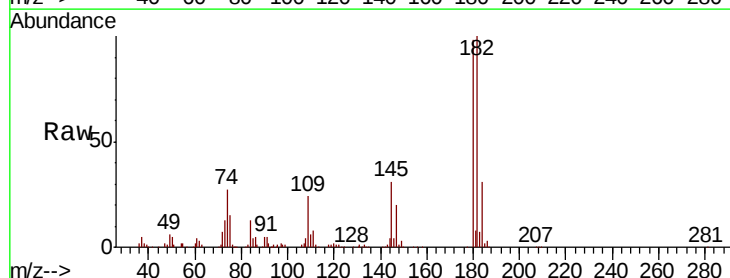
Tgt Ion:180 Resp: 136777

Ion Ratio Lower Upper

180 100

182 99.3 75.5 113.3

145 32.8 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

