

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120720\
 Data File : VW017569.D
 Acq On : 07 Dec 2020 10:03
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Dec 08 06:42:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 07 11:17:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	421840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	373505	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192513	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	130888	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.92%
7) Chloroethane-d5	2.89	69	107644	22.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.52%
10) 1,1-Dichloroethene-d2	4.03	63	292201	23.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.20%
20) 2-Butanone-d5	7.09	46	53129	43.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.32%
24) Chloroform-d	7.65	84	301910	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	8.31	65	143347	23.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.24%
29) Benzene-d6	8.27	84	564046	24.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.48%
33) 1,2-Dichloropropane-d6	9.27	67	157210	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.20%
37) Toluene-d8	10.32	98	512487	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.72%
38) trans-1,3-Dichloropropene-	10.58	79	68534	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.48%
39) 2-Hexanone-d5	10.93	63	37153	45.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110630	23.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	172462	23.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	90286	22.795	ug/L 93
3) Chloromethane	2.22	50	90634	22.223	ug/L 100
5) Vinyl chloride	2.37	62	140479	27.101	ug/L 99
6) Bromomethane	2.79	94	92658	25.095	ug/L 100
8) Chloroethane	2.93	64	87221	25.205	ug/L 96
9) Trichlorofluoromethane	3.27	101	136347	23.471	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	150742	24.952	ug/L # 68
12) 1,1-Dichloroethene	4.05	96	140815	23.949	ug/L 94
13) Acetone	4.14	43	48490	40.932	ug/L 97
14) Carbon disulfide	4.39	76	410329	24.559	ug/L 99
15) Methyl Acetate	4.67	43	45115	22.322	ug/L 96
16) Methylene chloride	4.92	84	145519	22.877	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	149346	23.228	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	148506	24.643	ug/L 97
19) 1,1-Dichloroethane	6.21	63	260726	25.483	ug/L 98
21) 2-Butanone	7.18	43	61947	44.109	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	152364	24.139	ug/L 95

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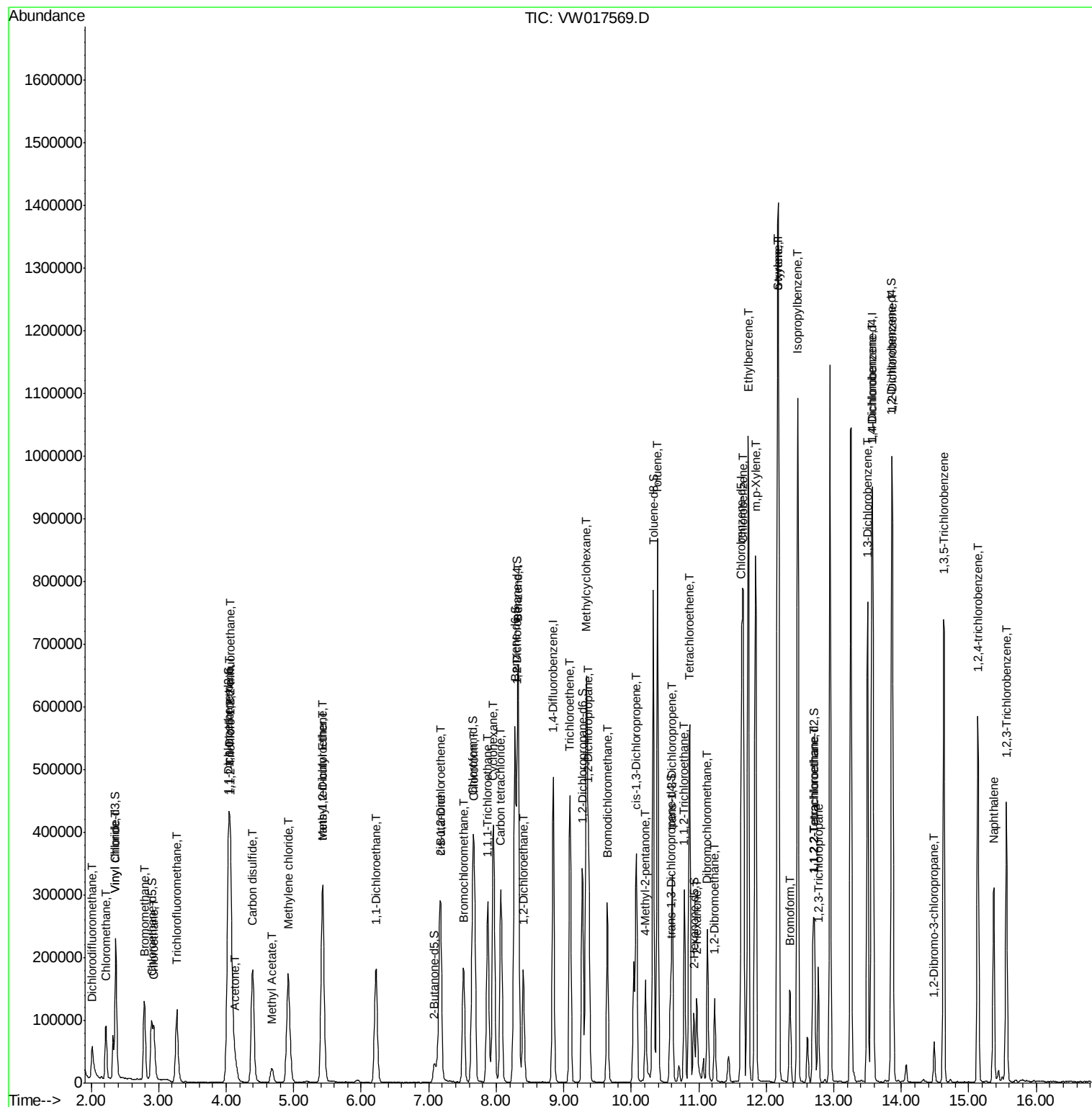
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68068	23.748	ug/L	94
25) Chloroform	7.68	83	272985	25.273	ug/L	99
27) 1,2-Dichloroethane	8.40	62	158989	24.227	ug/L	98
30) Cyclohexane	7.96	56	227673	25.435	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	235790	26.296	ug/L	98
32) Carbon tetrachloride	8.07	117	230807	26.542	ug/L	99
34) Benzene	8.32	78	584380	25.882	ug/L	100
35) Trichloroethene	9.09	95	159944	25.468	ug/L	97
36) Methylcyclohexane	9.34	83	261240	25.308	ug/L	99
40) 1,2-Dichloropropane	9.37	63	136275	25.583	ug/L	99
41) Bromodichloromethane	9.65	83	189362	25.709	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	211614	25.544	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	118099	47.378	ug/L	97
44) Toluene	10.39	91	629700	25.875	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	180656	25.337	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	95924	23.863	ug/L	99
47) Tetrachloroethene	10.87	164	133469	25.098	ug/L	94
49) 2-Hexanone	10.97	43	86017	47.324	ug/L #	92
50) Dibromochloromethane	11.13	129	124470	24.982	ug/L	96
51) 1,2-Dibromoethane	11.24	107	89681	23.336	ug/L #	99
52) Chlorobenzene	11.66	112	399827	25.149	ug/L	96
53) Ethylbenzene	11.73	91	710091	25.786	ug/L	98
54) m,p-Xylene	11.84	106	271914	25.905	ug/L	96
55) o-xylene	12.16	106	251058	25.690	ug/L	97
56) Styrene	12.18	104	432221	26.263	ug/L	97
57) Isopropylbenzene	12.47	105	713040	26.552	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	103757	23.836	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	76138	23.692	ug/L	96
62) Bromoform	12.35	173	69529	24.965	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	315323	25.472	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	315887	25.522	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	279298	25.921	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16610	23.275	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	227488	25.689	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	183153	25.430	ug/L	96
69) Naphthalene	15.37	128	267438	23.677	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	156614	25.977	ug/L	98

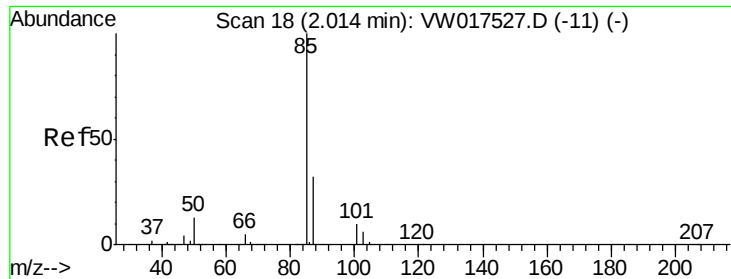
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.795 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

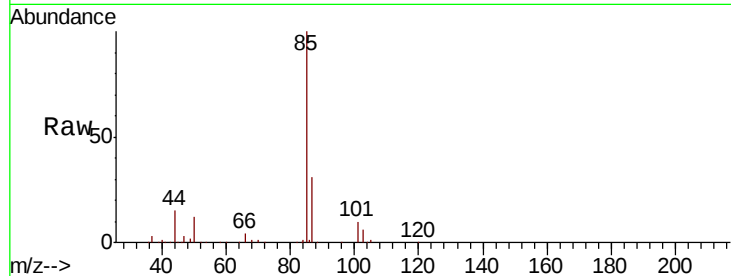
VSTD02530

Tot Ion: 85 Resp: 90286

Ion Ratio Lower Upper

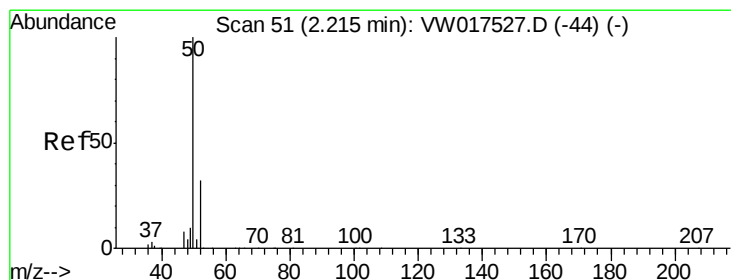
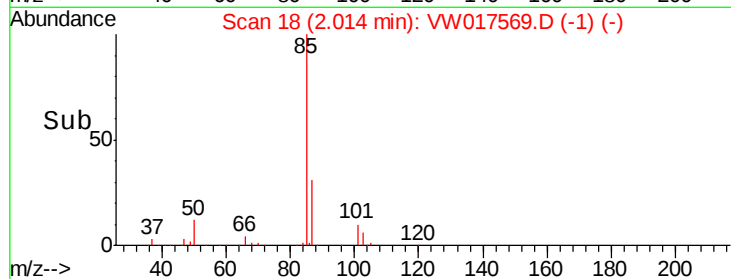
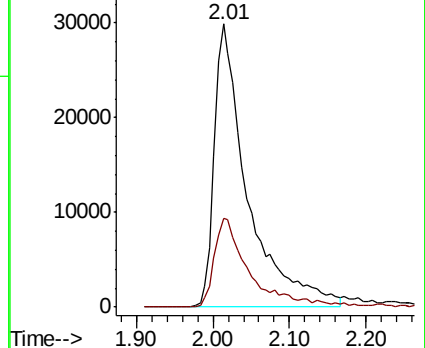
85 100

87 29.0 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.223 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW017569.D

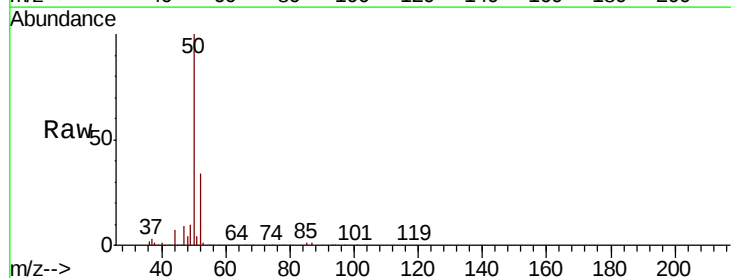
Acq: 07 Dec 2020 10:03

Tgt Ion: 50 Resp: 90634

Ion Ratio Lower Upper

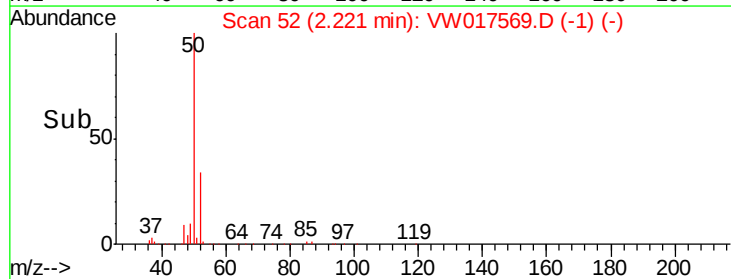
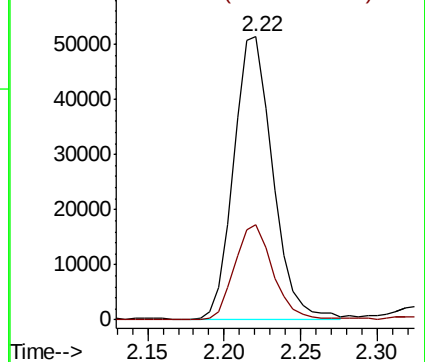
50 100

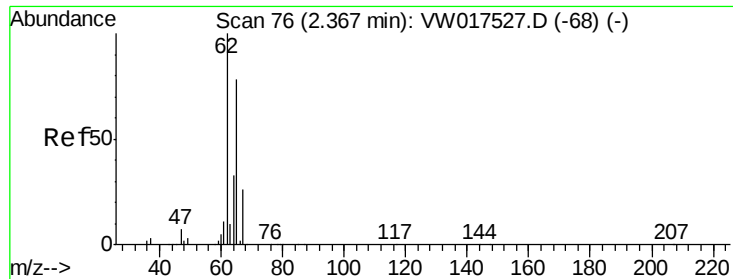
52 33.7 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.101 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

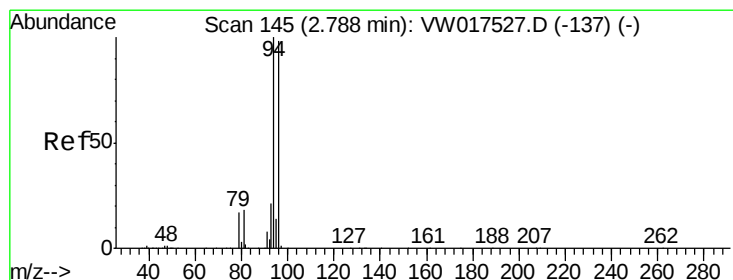
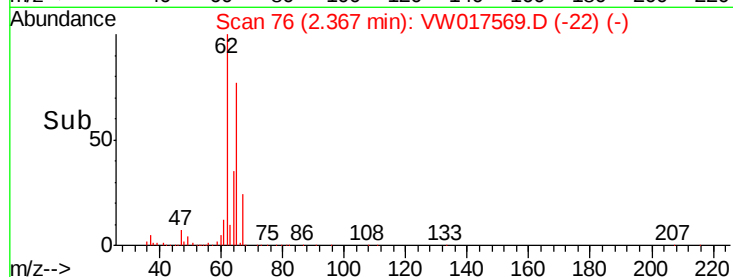
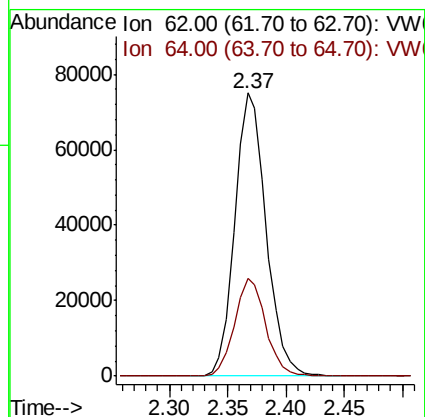
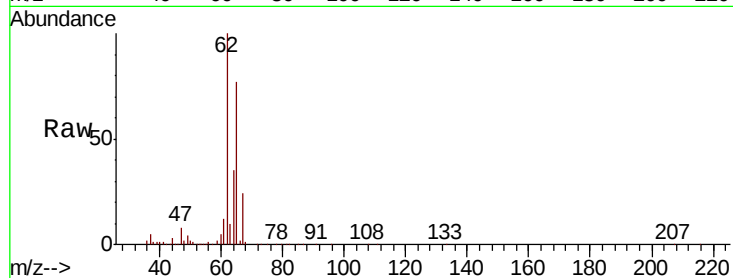
VSTD02530

Tot Ion: 62 Resp: 140479

Ion Ratio Lower Upper

62 100

64 34.5 23.9 44.5



#6

Bromomethane

Concen: 25.095 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017569.D

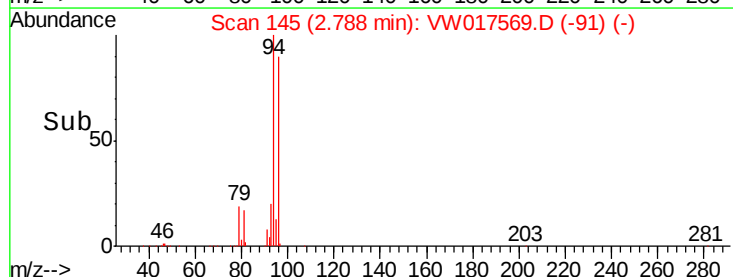
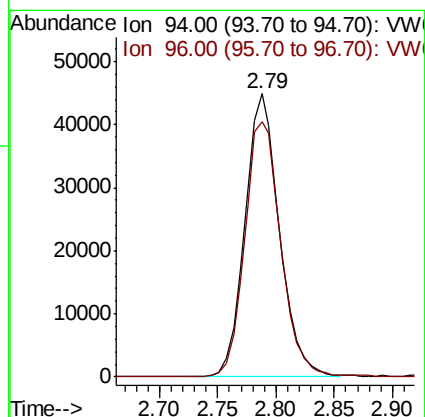
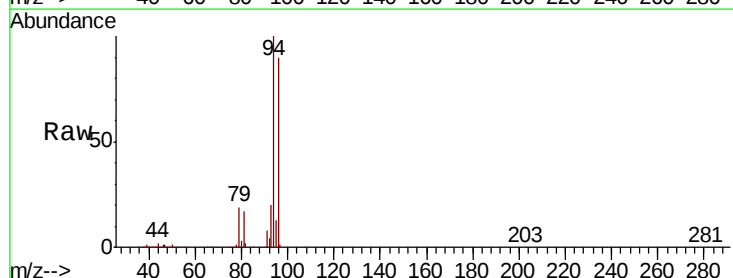
Acq: 07 Dec 2020 10:03

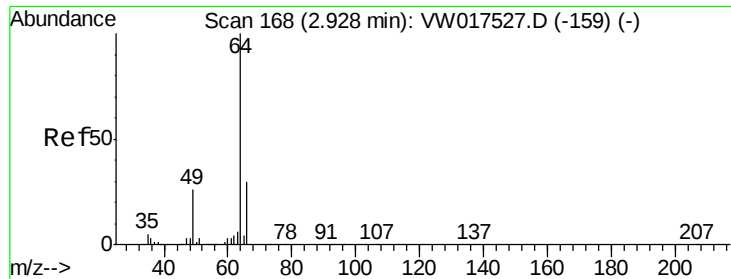
Tgt Ion: 94 Resp: 92658

Ion Ratio Lower Upper

94 100

96 93.9 9.4 178.0





#8

Chloroethane

Concen: 25.205 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

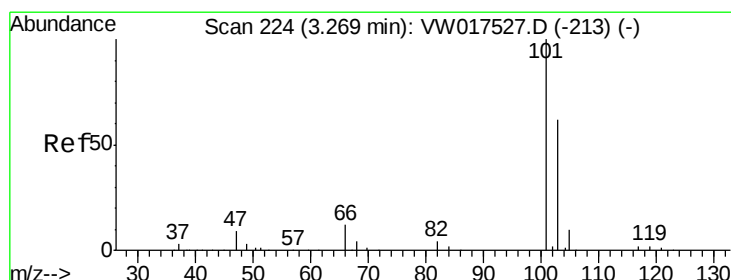
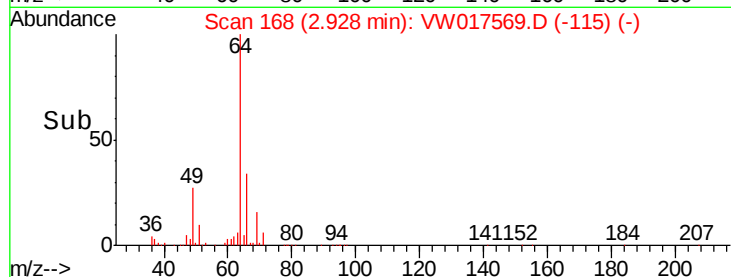
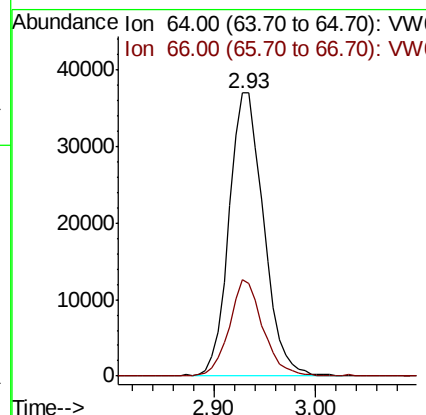
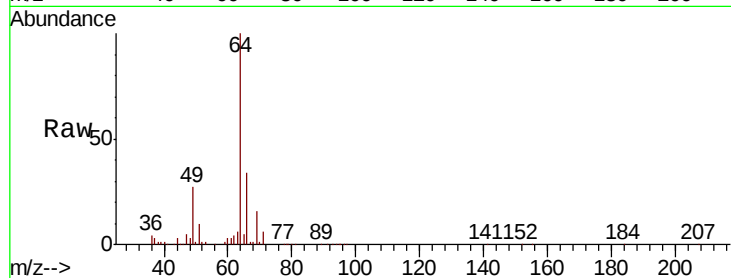
VSTD02530

Tot Ion: 64 Resp: 87221

Ion Ratio Lower Upper

64 100

66 33.9 22.0 41.0



#9

Trichlorofluoromethane

Concen: 23.471 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017569.D

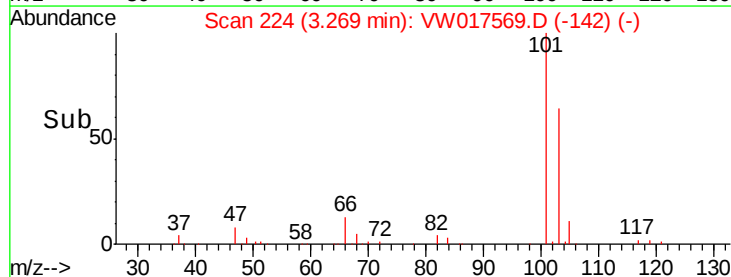
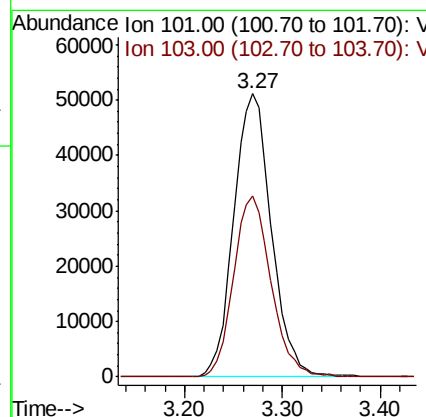
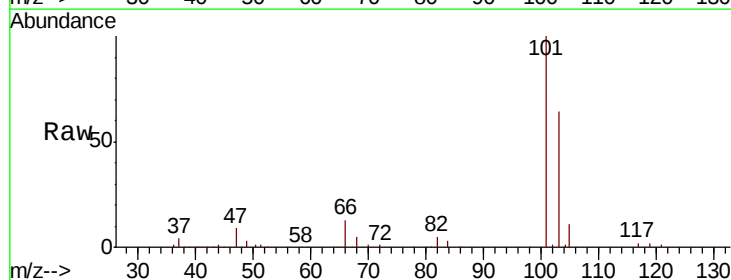
Acq: 07 Dec 2020 10:03

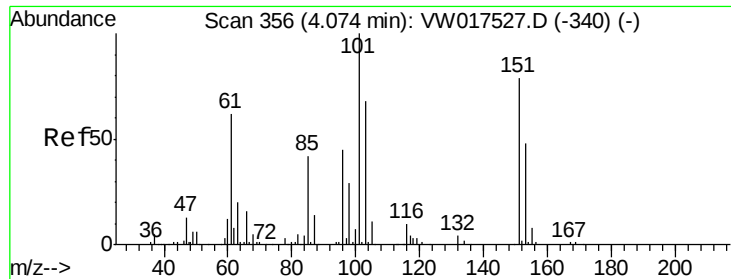
Tgt Ion: 101 Resp: 136347

Ion Ratio Lower Upper

101 100

103 63.5 45.0 83.6





#11

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

Concen: 24.952 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

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ClientSampleId :

VSTD02530

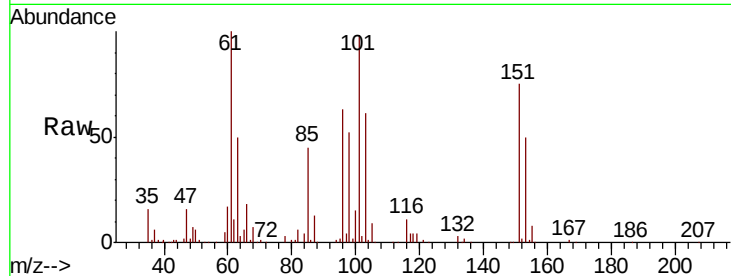
Tot Ion:101 Resp: 150742

Ion Ratio Lower Upper

101 100

85 43.9 34.2 51.4

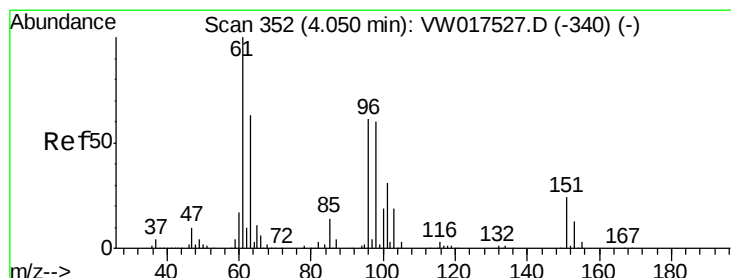
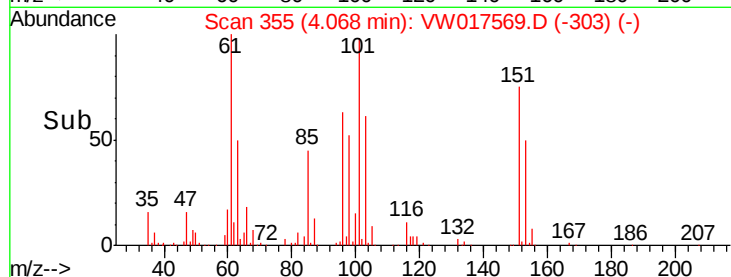
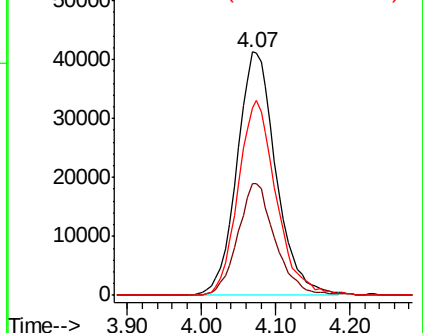
151 77.4 30.4 45.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.949 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

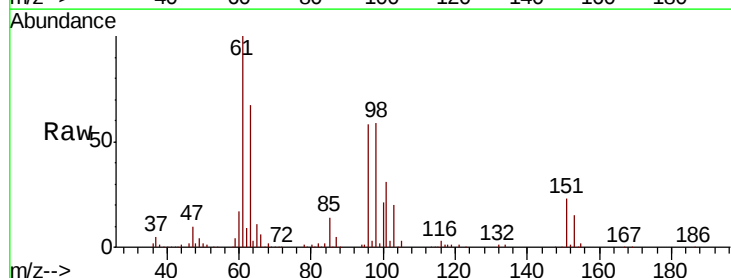
Tgt Ion: 96 Resp: 140815

Ion Ratio Lower Upper

96 100

61 171.5 112.5 208.9

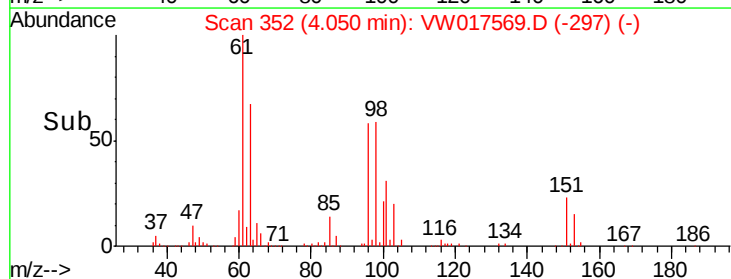
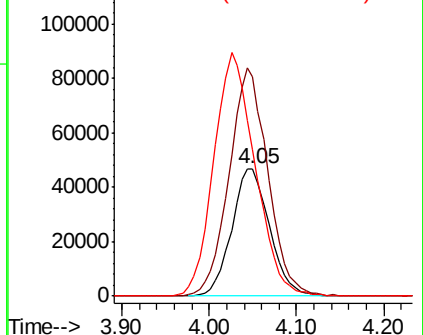
63 114.4 83.1 154.3

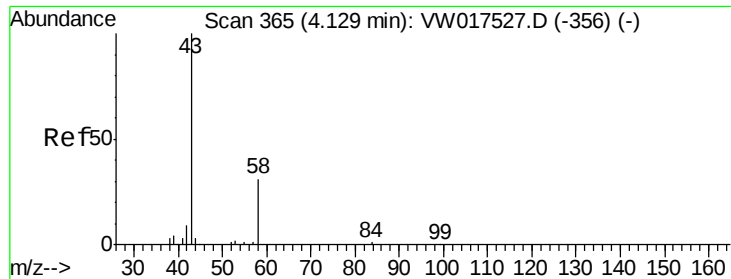


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.932 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

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ClientSampleId :

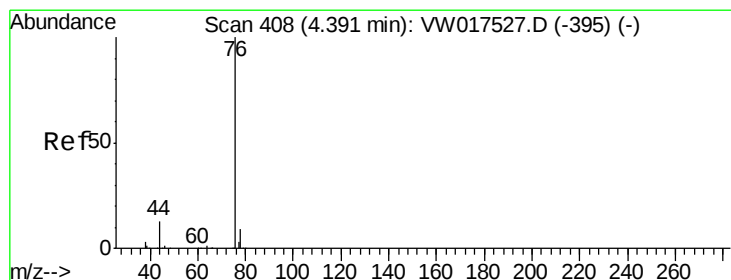
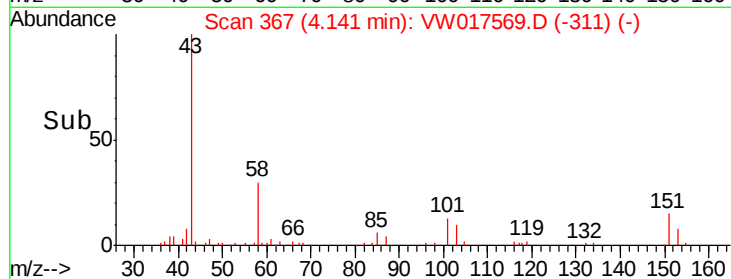
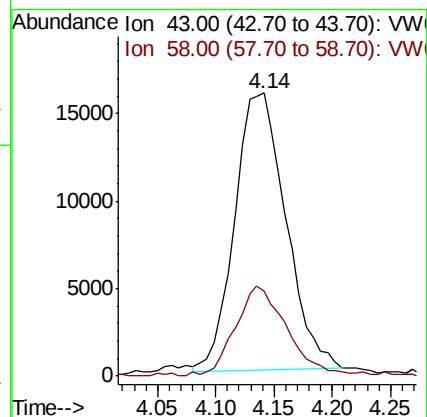
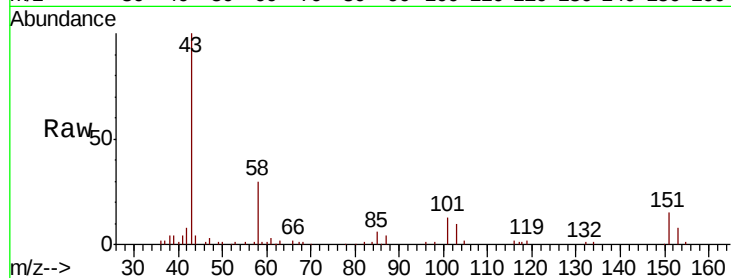
VSTD02530

Tot Ion: 43 Resp: 48490

Ion Ratio Lower Upper

43 100

58 32.7 0.0 68.4



#14

Carbon disulfide

Concen: 24.559 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017569.D

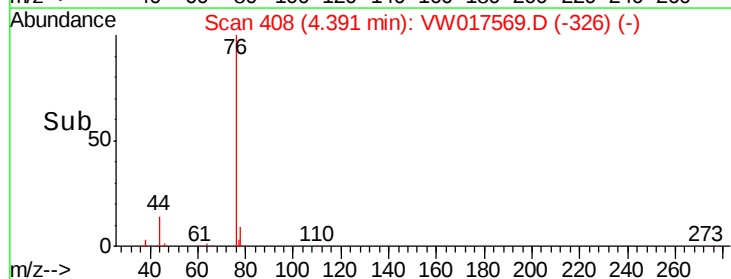
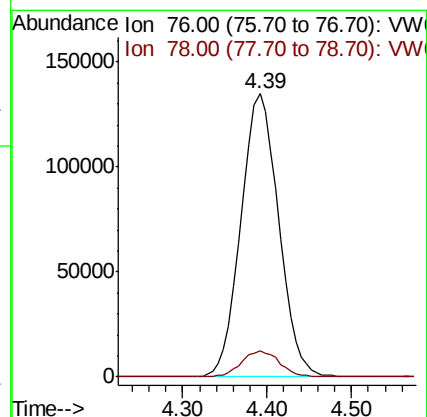
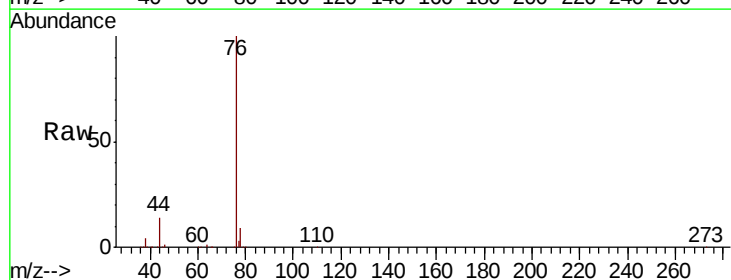
Acq: 07 Dec 2020 10:03

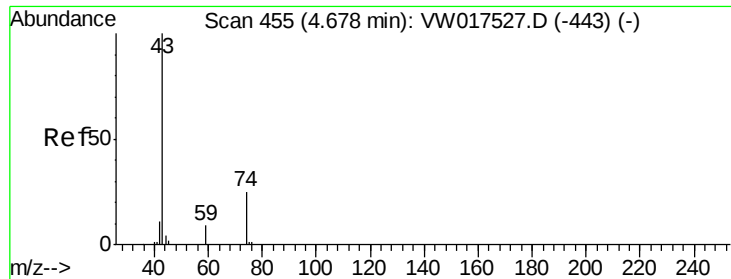
Tgt Ion: 76 Resp: 410329

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

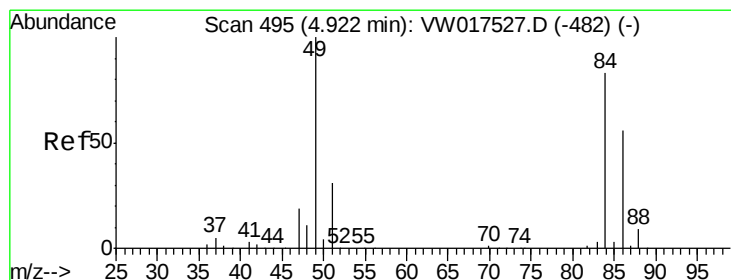
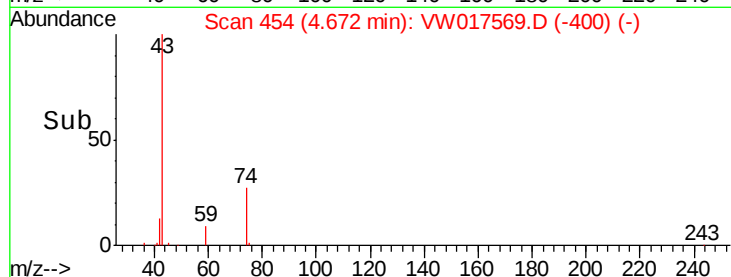
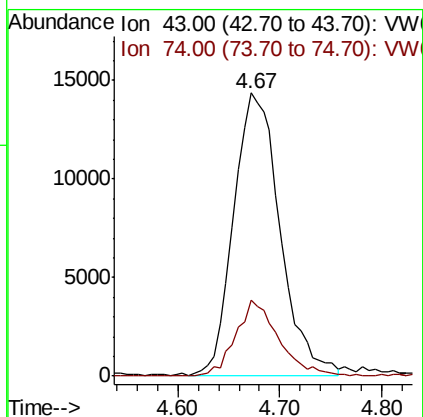
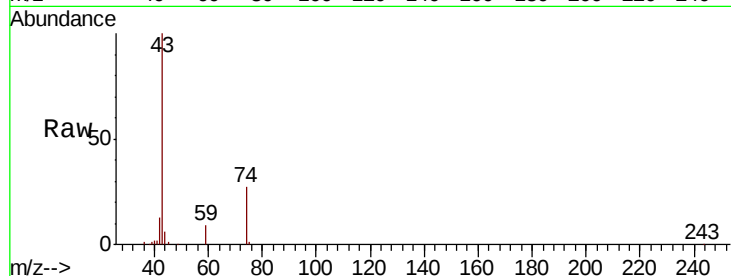




#15
Methvl Acetate
Concen: 22.322 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

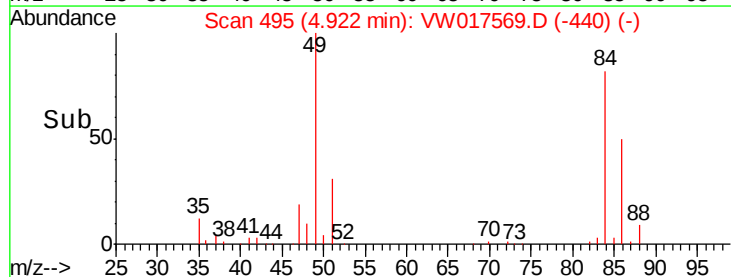
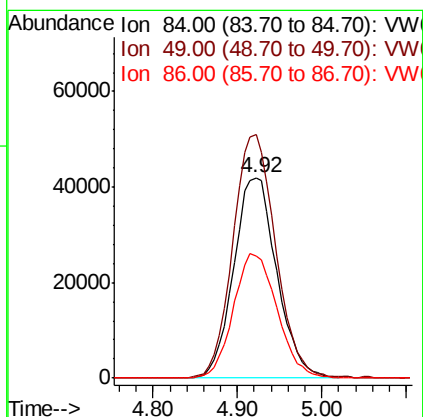
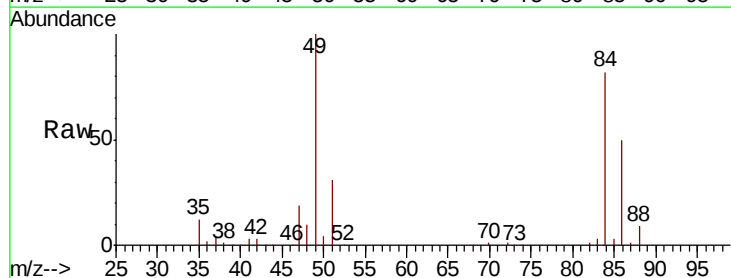
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

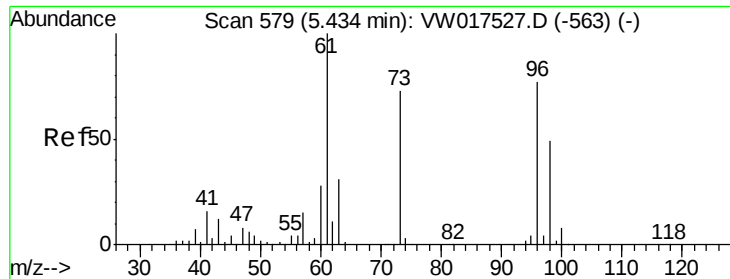
Tot Ion: 43 Resp: 45115
Ion Ratio Lower Upper
43 100
74 23.8 20.7 31.1



#16
Methylene chloride
Concen: 22.877 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

Tgt Ion: 84 Resp: 145519
Ion Ratio Lower Upper
84 100
49 121.5 81.2 150.8
86 60.8 44.5 82.7

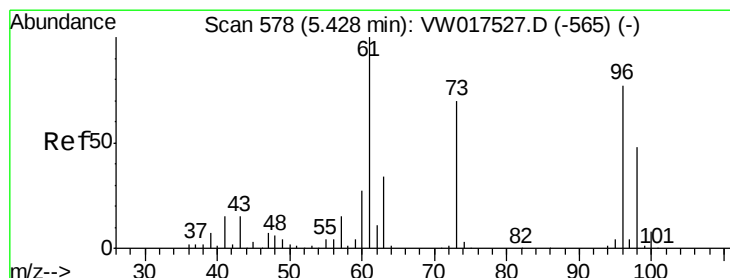
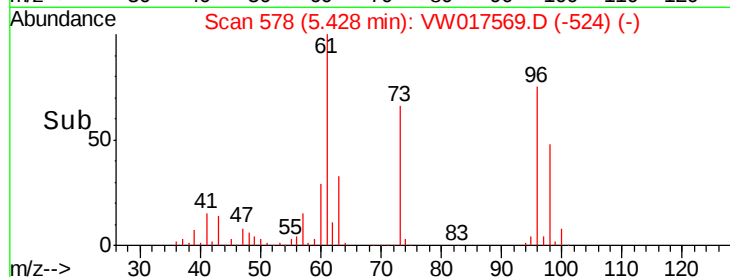
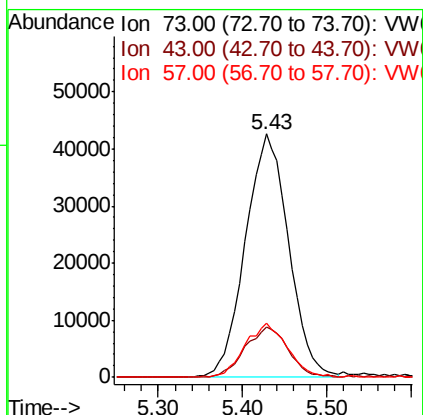
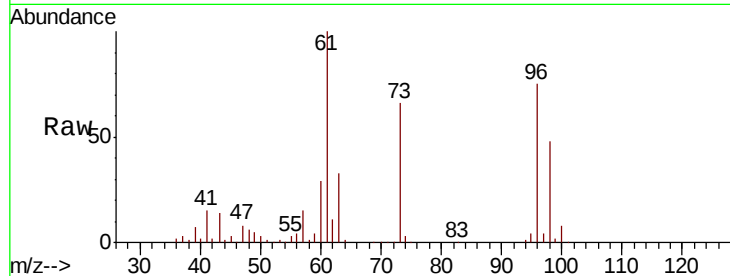




#17
Methvl tert-butvl Ether
Concen: 23.228 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

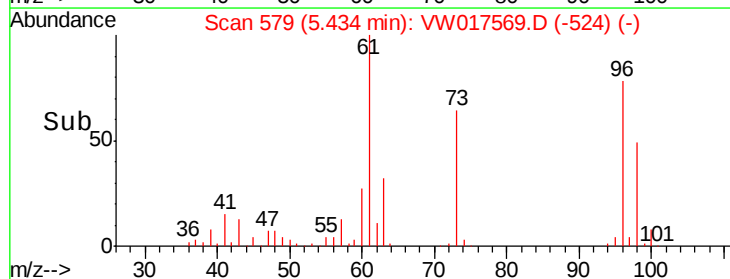
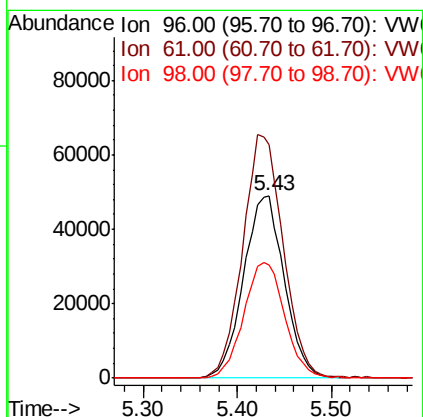
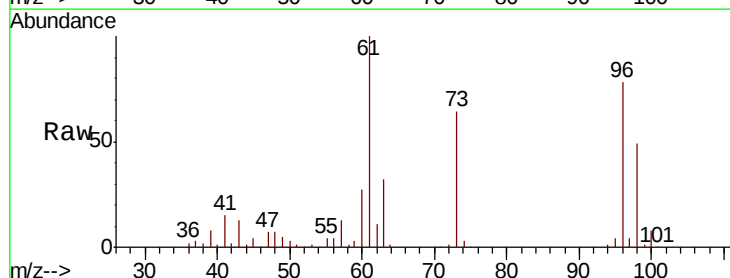
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

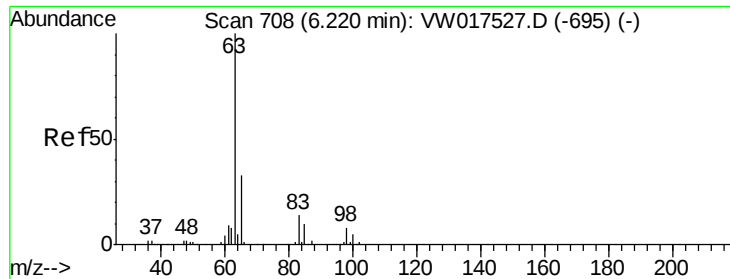
Tot Ion: 73 Resp: 149346
Ion Ratio Lower Upper
73 100
43 20.8 16.2 24.4
57 21.6 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 24.643 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

Tgt Ion: 96 Resp: 148506
Ion Ratio Lower Upper
96 100
61 127.7 92.7 172.1
98 62.1 43.3 80.3

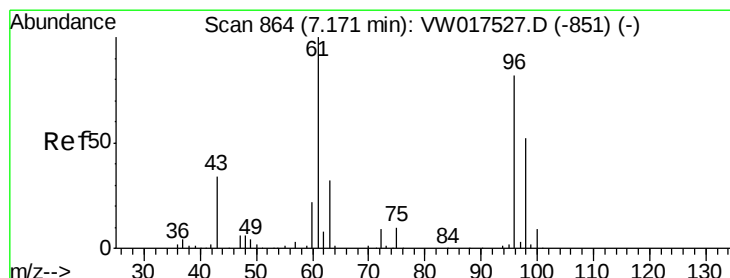
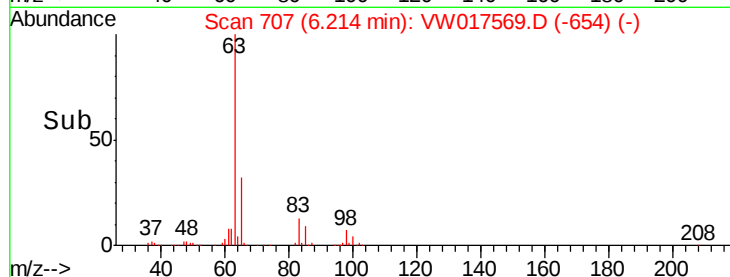
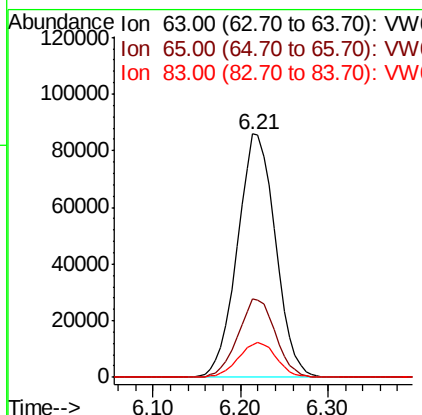
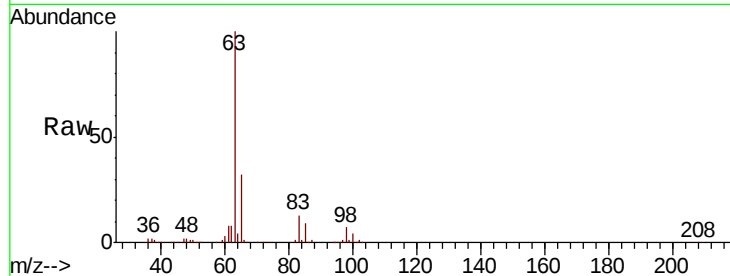




#19
 1,1-Dichloroethane
 Concen: 25.483 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW017569.D
 Acq: 07 Dec 2020 10:03

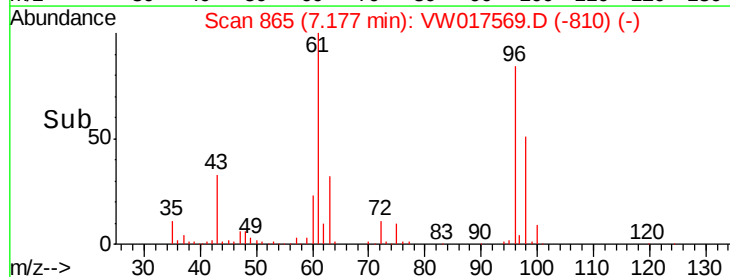
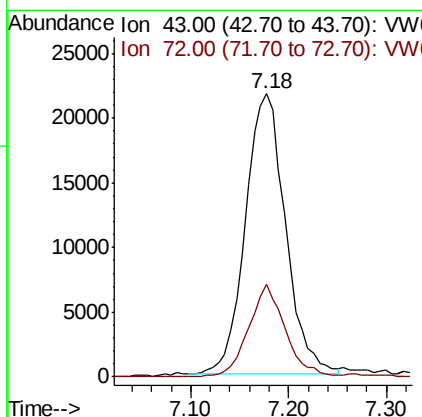
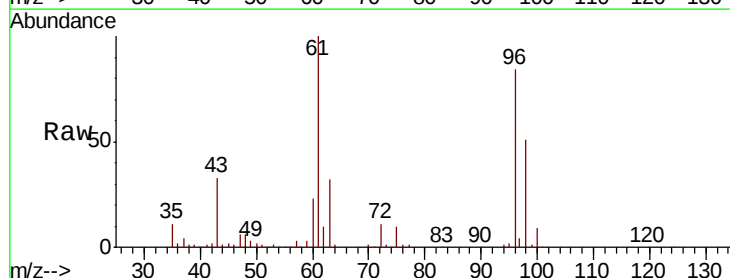
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

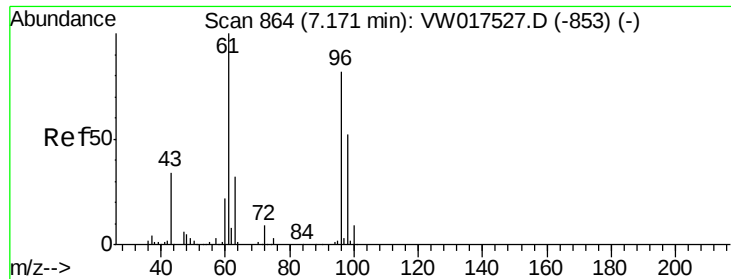
Tot Ion: 63 Resp: 260726
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.9 40.7
 83 13.1 9.4 17.6



#21
 2-Butanone
 Concen: 44.109 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017569.D
 Acq: 07 Dec 2020 10:03

Tgt Ion: 43 Resp: 61947
 Ion Ratio Lower Upper
 43 100
 72 30.0 14.4 43.2



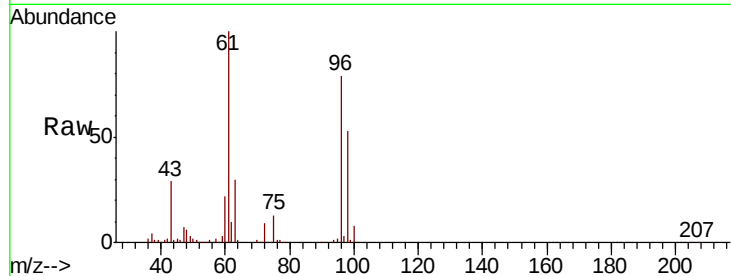


#22

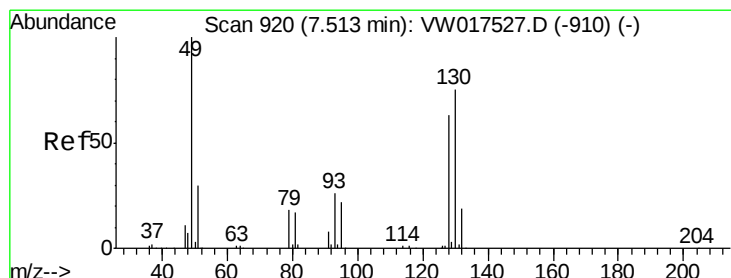
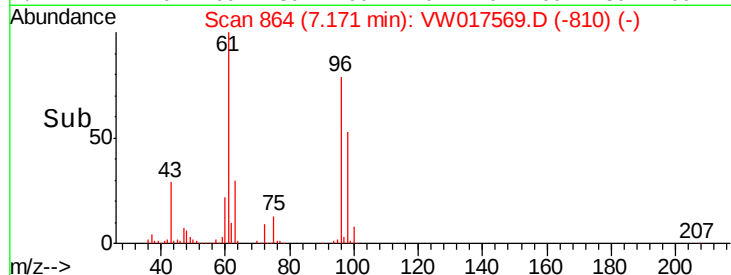
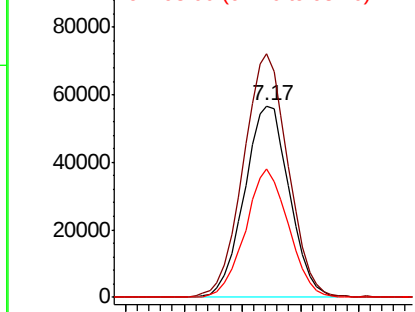
cis-1,2-Dichloroethene
Concen: 24.139 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

Tot Ion: 96 Resp: 152364
Ion Ratio Lower Upper
96 100
61 127.4 84.6 157.2
98 67.4 44.7 82.9



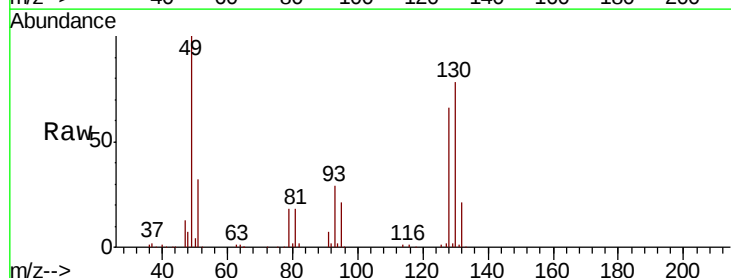
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



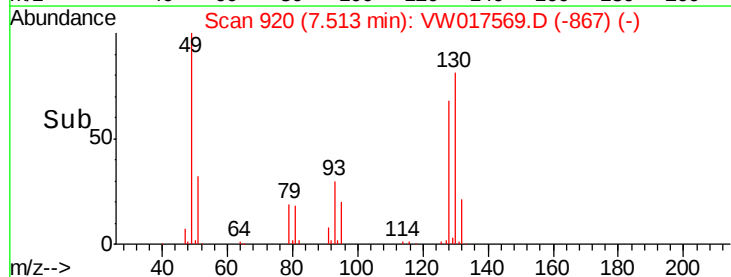
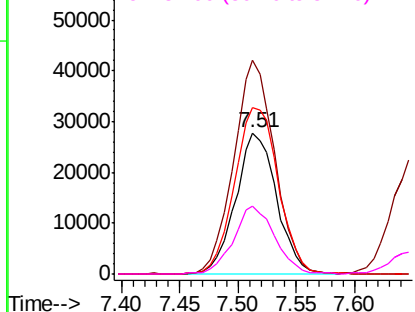
#23

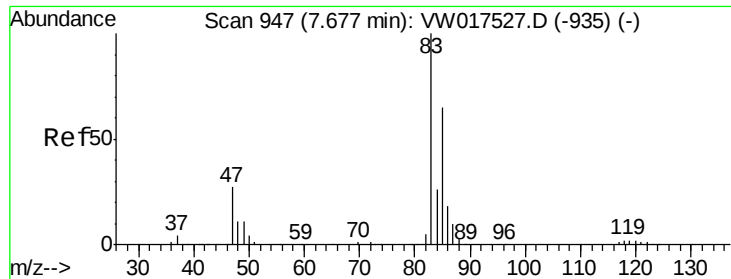
Bromochloromethane
Concen: 23.748 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

Tgt Ion: 128 Resp: 68068
Ion Ratio Lower Upper
128 100
49 151.3 101.6 188.6
130 118.3 90.4 167.8
51 47.7 37.7 56.5



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

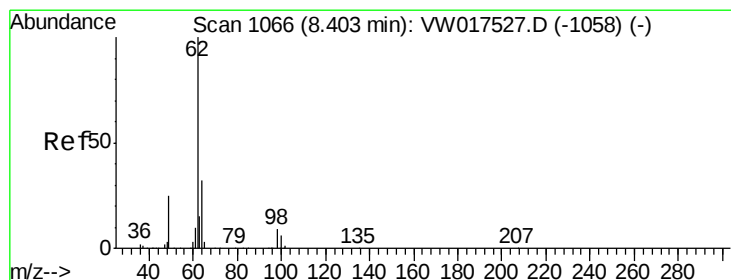
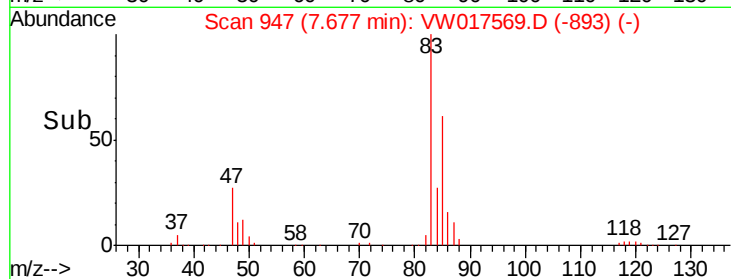
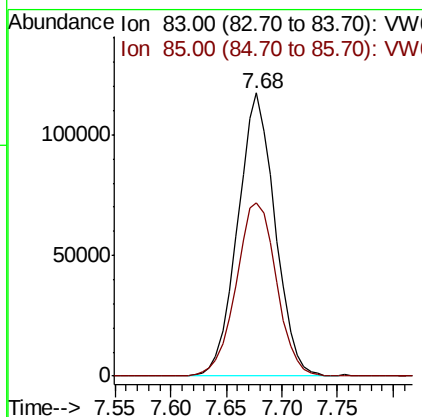
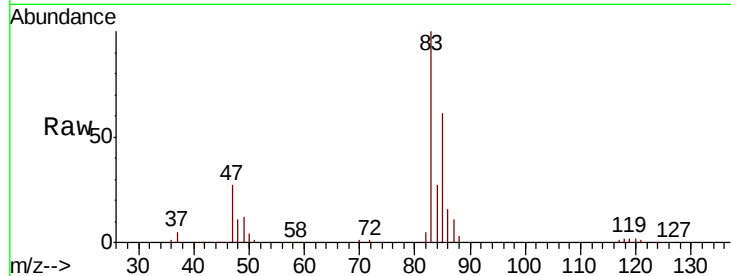




#25
Chloroform
Concen: 25.273 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

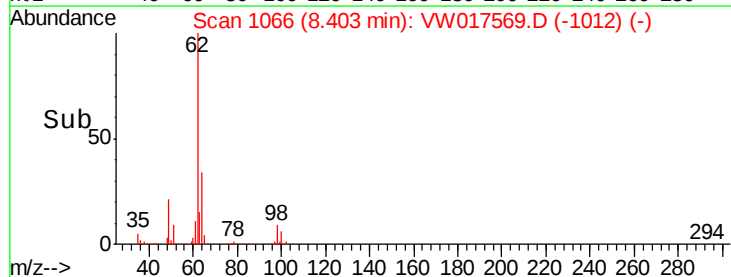
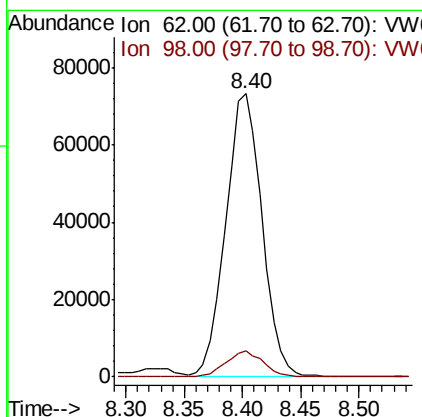
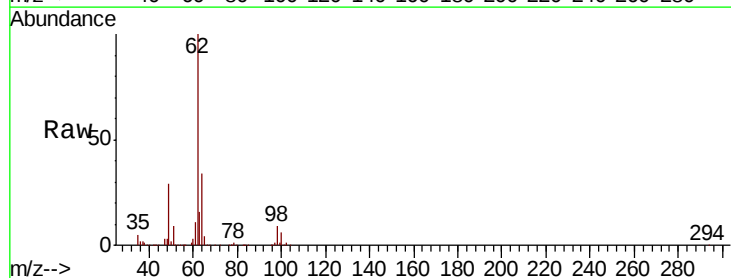
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

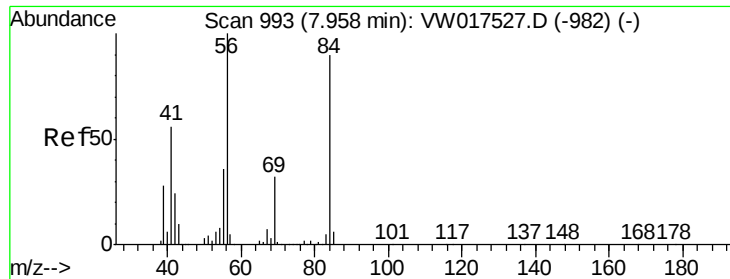
Tot Ion: 83 Resp: 272985
Ion Ratio Lower Upper
83 100
85 66.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.227 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

Tgt Ion: 62 Resp: 158989
Ion Ratio Lower Upper
62 100
98 9.4 8.0 12.0

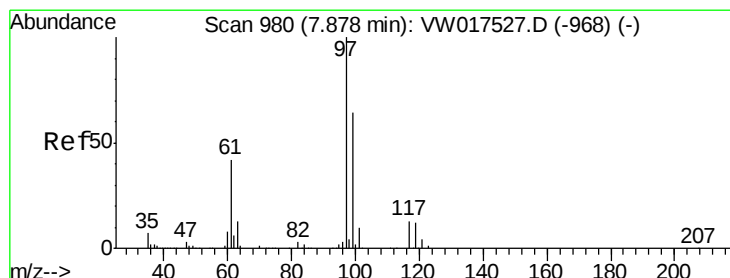
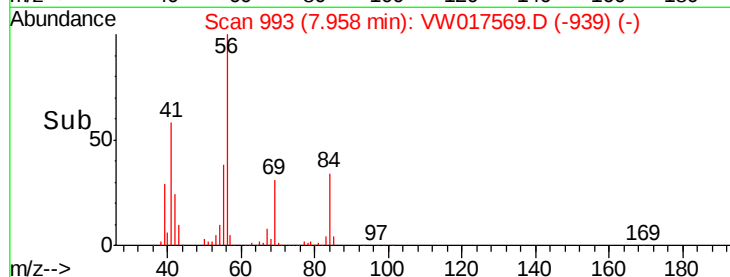
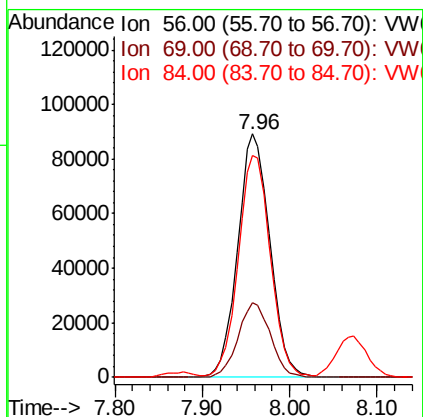
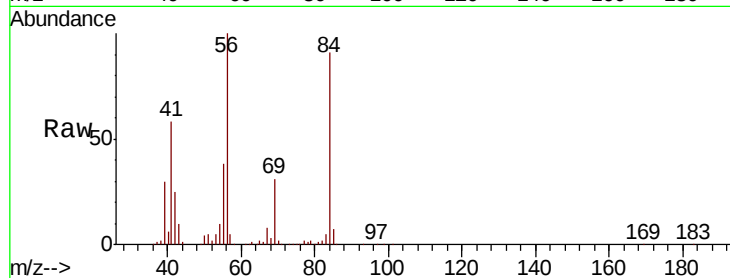




#30
Cyclohexane
Concen: 25.435 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

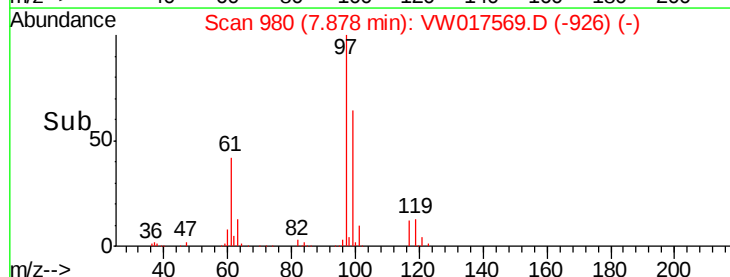
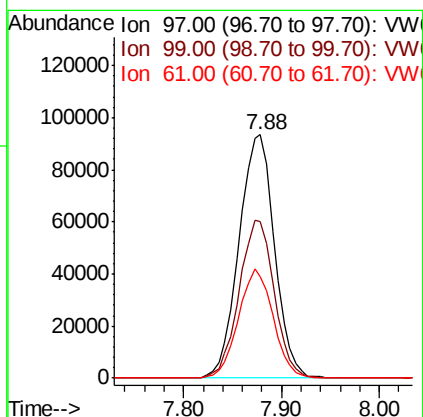
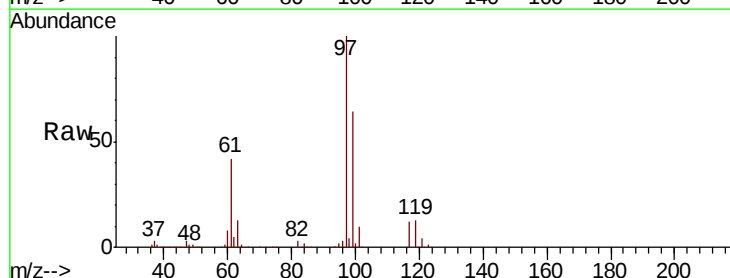
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

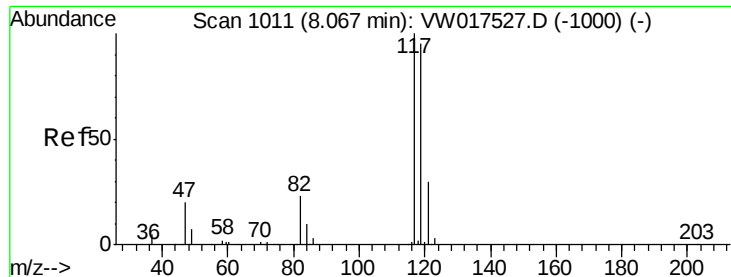
Tot Ion: 56 Resp: 227673
Ion Ratio Lower Upper
56 100
69 30.8 24.8 37.2
84 90.9 74.2 111.4



#31
1,1,1-Trichloroethane
Concen: 26.296 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

Tgt Ion: 97 Resp: 235790
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 43.8 33.6 50.4





#32

Carbon tetrachloride

Concen: 26.542 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

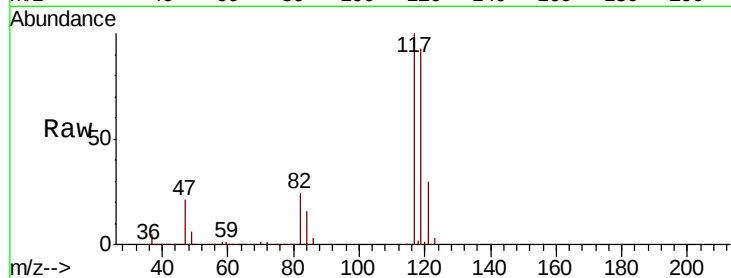
VSTD02530

Tot Ion:117 Resp: 230807

Ion Ratio Lower Upper

117 100

119 96.1 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

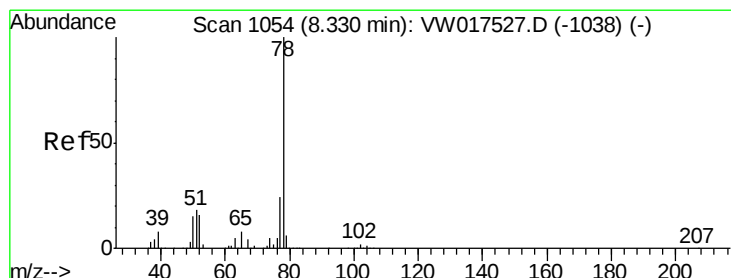
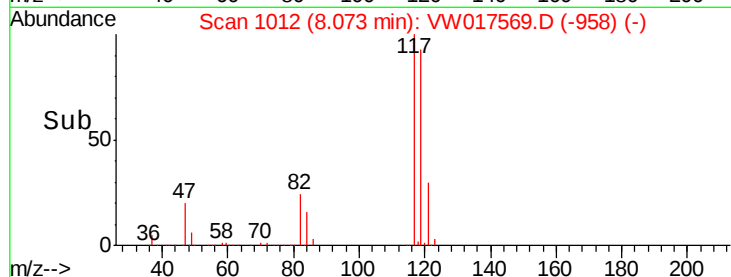
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 25.882 ug/L

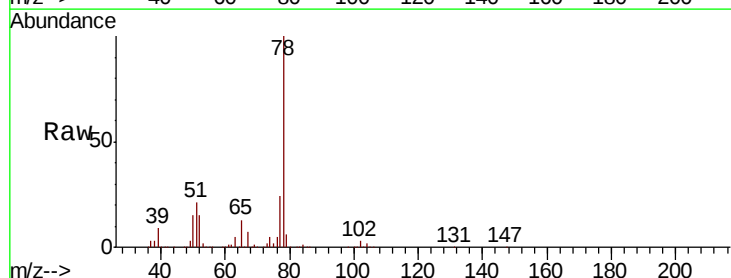
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Tgt Ion: 78 Resp: 584380



Abundance Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

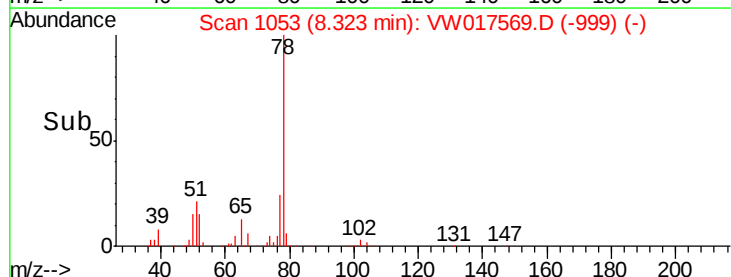
150000

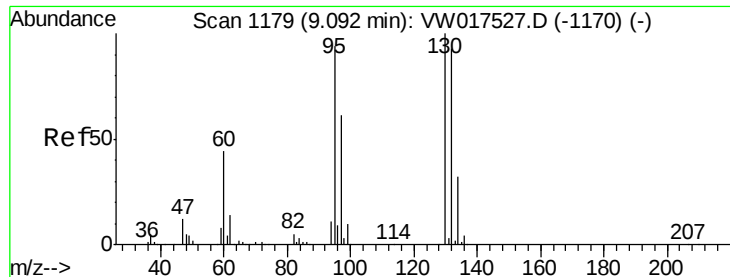
100000

50000

0

Time-->





#35

Trichloroethene

Concen: 25.468 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion: 95 Resp: 159944

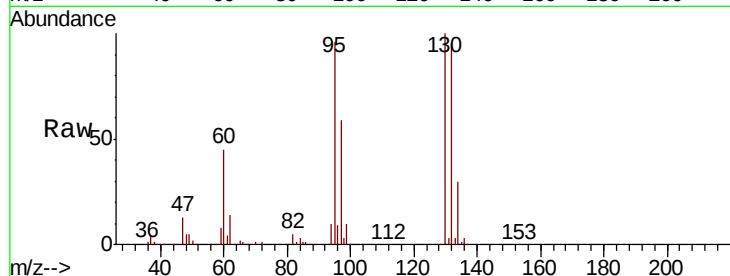
Ion Ratio Lower Upper

95 100

97 63.8 45.0 83.6

132 96.3 71.0 131.8

130 104.3 75.6 140.4

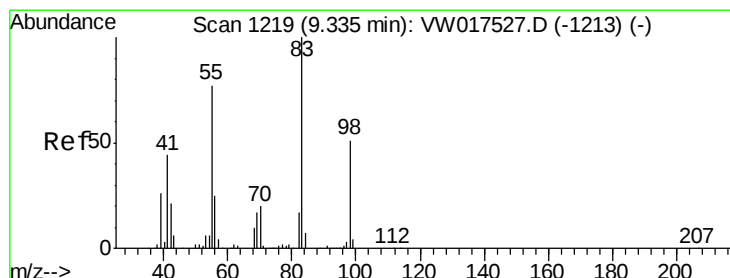
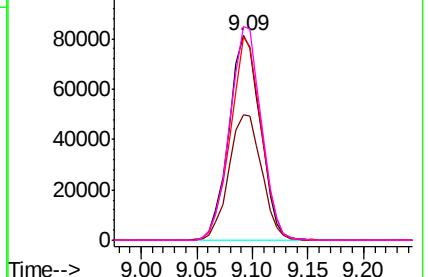
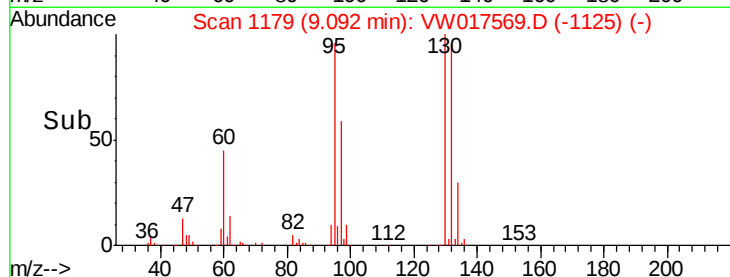


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.308 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

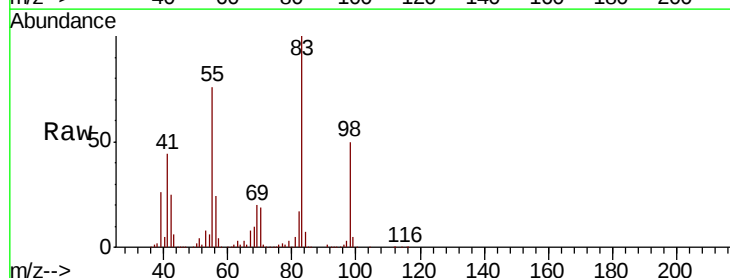
Tgt Ion: 83 Resp: 261240

Ion Ratio Lower Upper

83 100

55 75.5 59.4 89.0

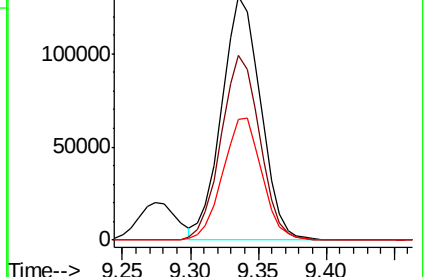
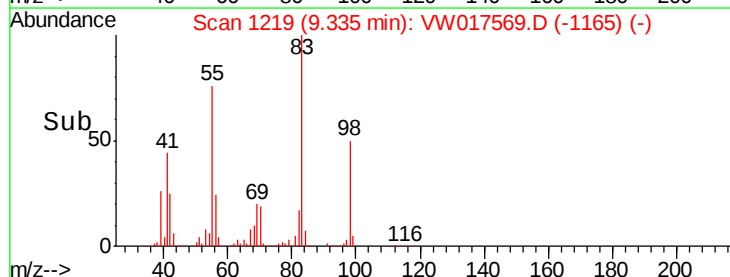
98 50.5 40.7 61.1

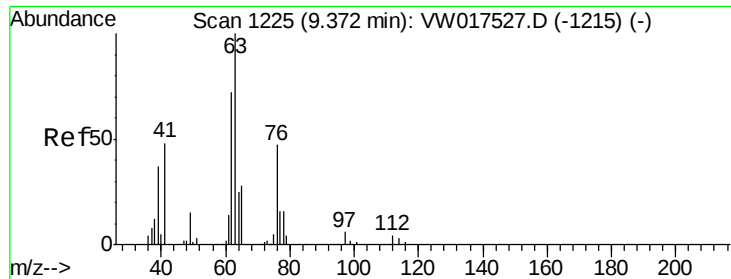


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

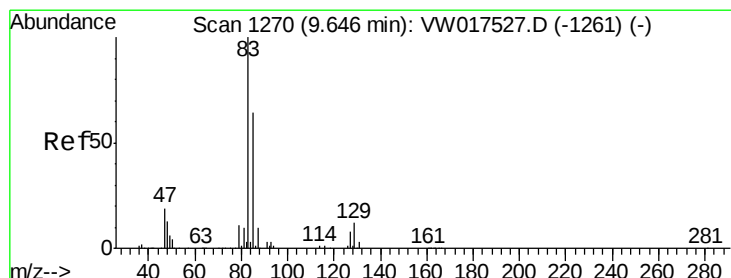
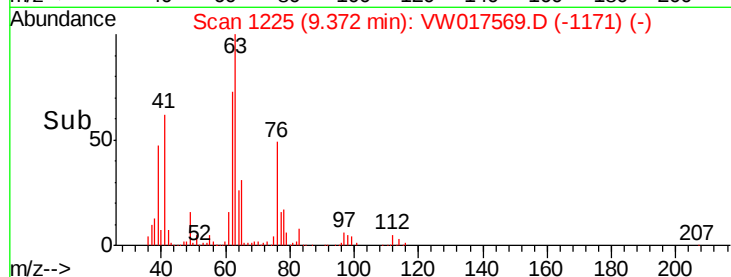
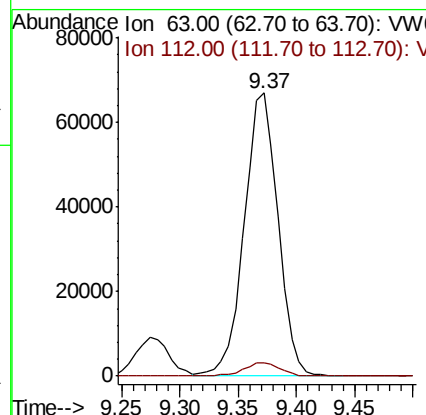
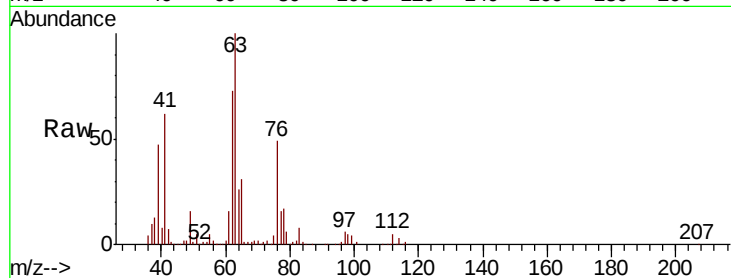




#40
 1,2-Dichloropropane
 Concen: 25.583 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017569.D
 Acq: 07 Dec 2020 10:03

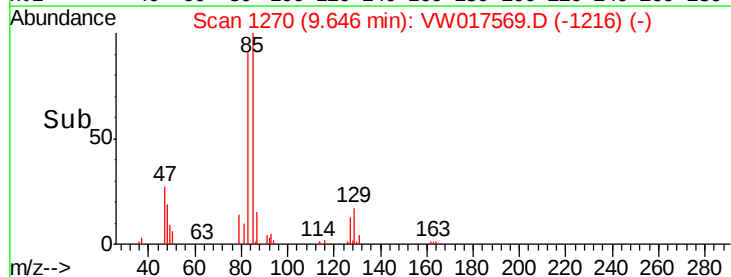
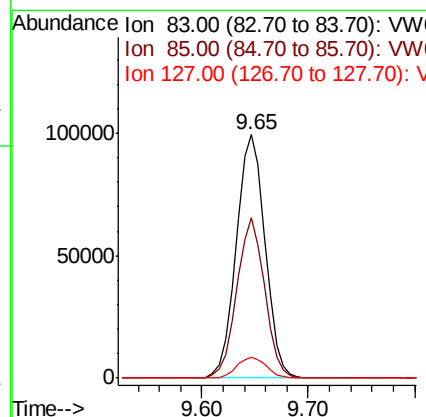
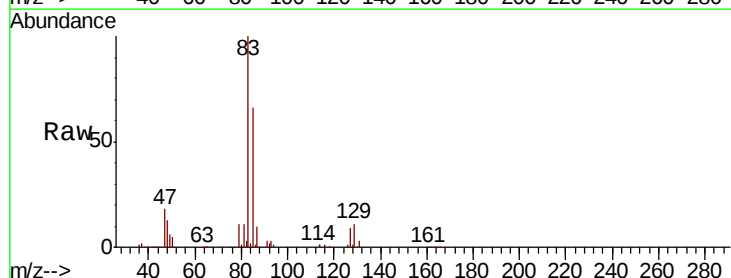
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

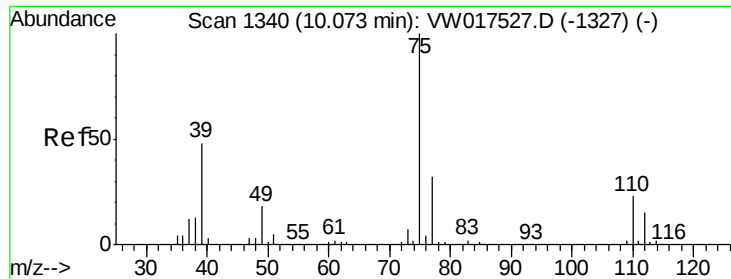
Tot Ion: 63 Resp: 136275
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.2 6.4



#41
 Bromodichloromethane
 Concen: 25.709 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017569.D
 Acq: 07 Dec 2020 10:03

Tgt Ion: 83 Resp: 189362
 Ion Ratio Lower Upper
 83 100
 85 66.0 46.8 86.8
 127 8.7 7.6 11.4





#42

cis-1,3-Dichloropropene

Concen: 25.544 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampled :

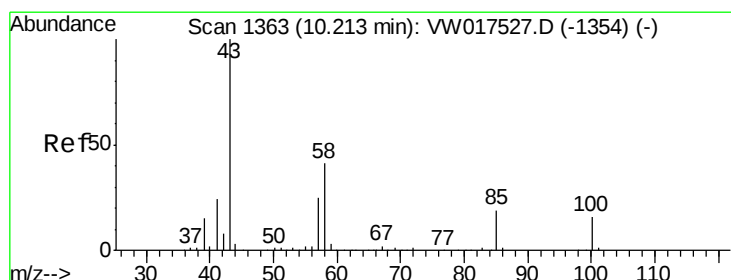
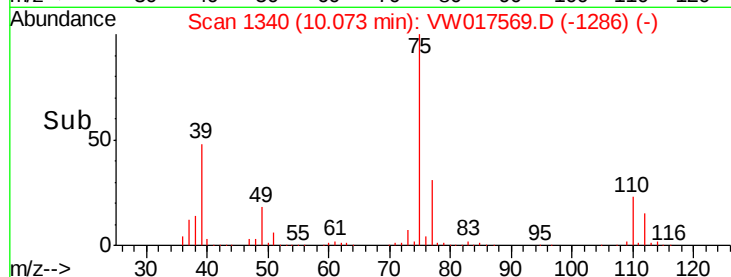
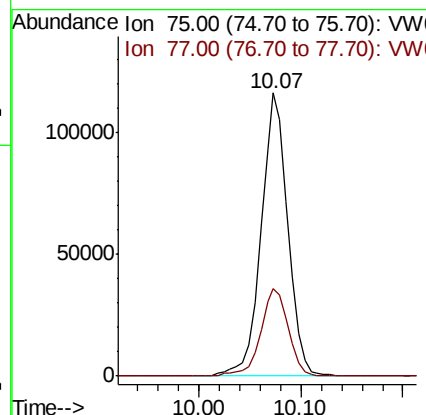
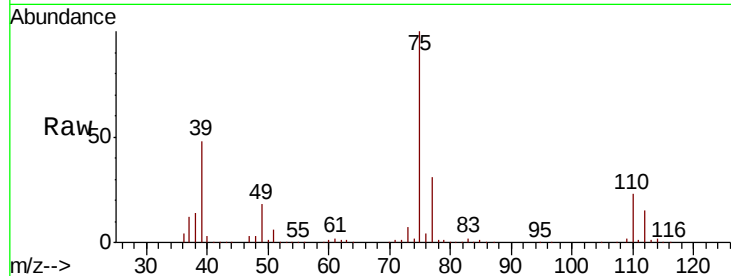
VSTD02530

Tot Ion: 75 Resp: 211614

Ion Ratio Lower Upper

75 100

77 30.8 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 47.378 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

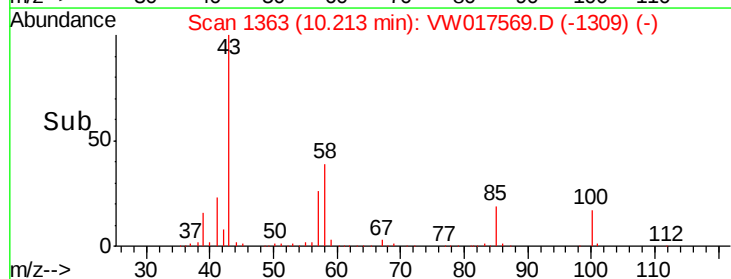
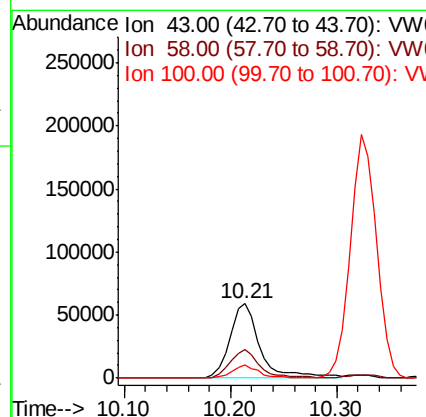
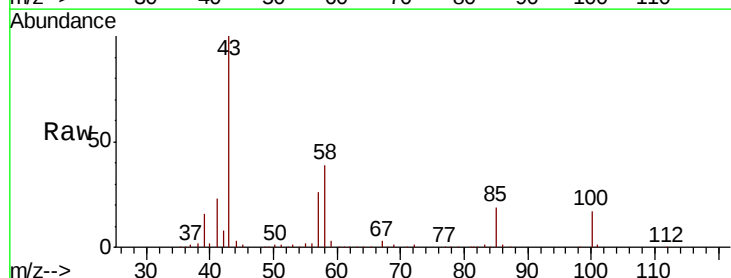
Tgt Ion: 43 Resp: 118099

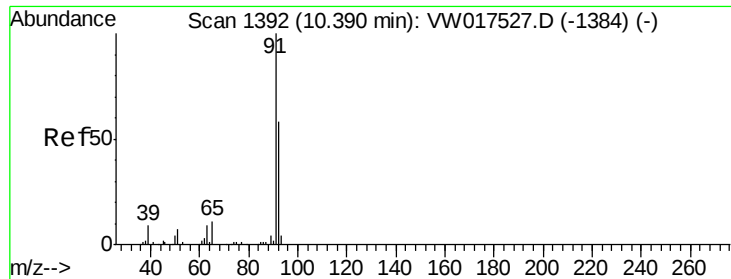
Ion Ratio Lower Upper

43 100

58 38.1 31.6 47.4

100 15.8 14.1 21.1





#44

Toluene

Concen: 25.875 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

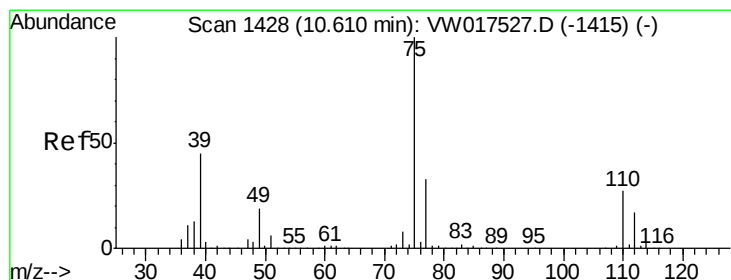
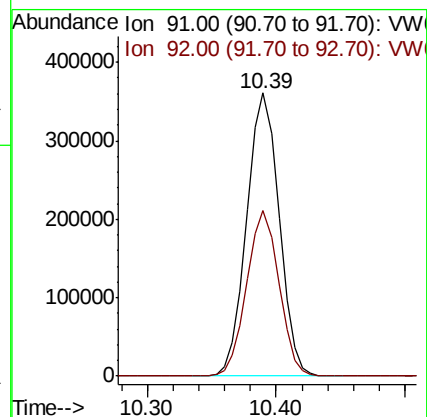
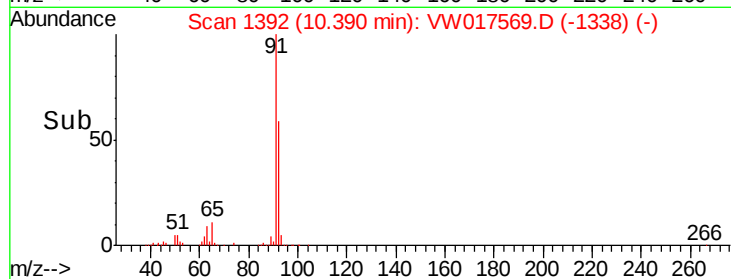
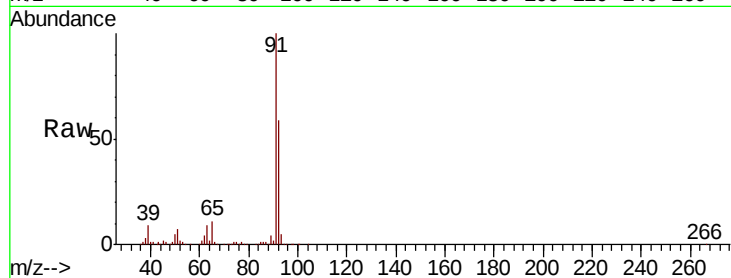
VSTD02530

Tot Ion: 91 Resp: 629700

Ion Ratio Lower Upper

91 100

92 58.6 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 25.337 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017569.D

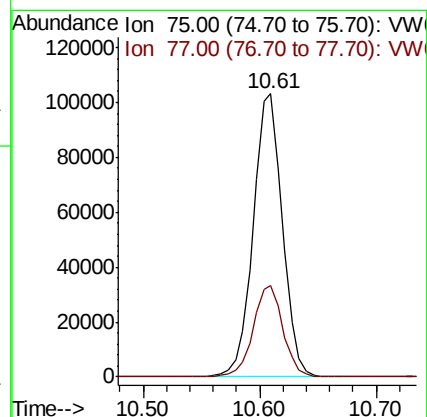
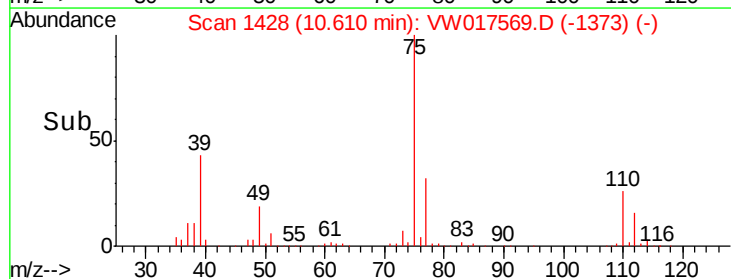
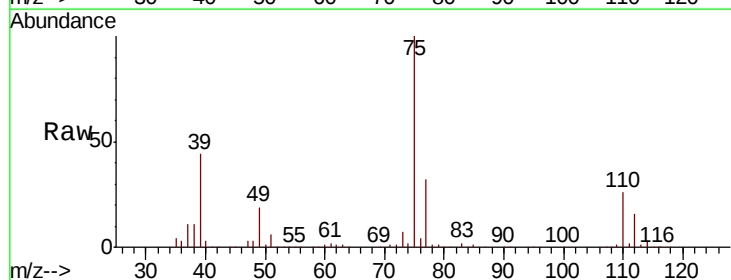
Acq: 07 Dec 2020 10:03

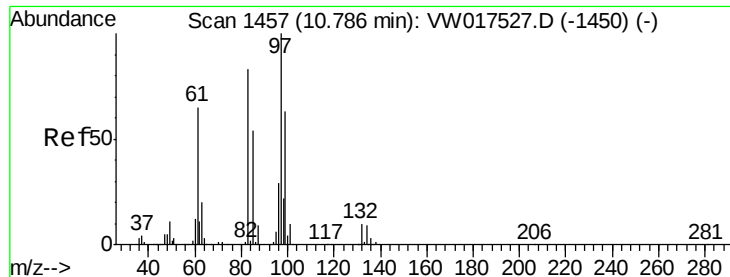
Tgt Ion: 75 Resp: 180656

Ion Ratio Lower Upper

75 100

77 32.2 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 23.863 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion: 97 Resp: 95924

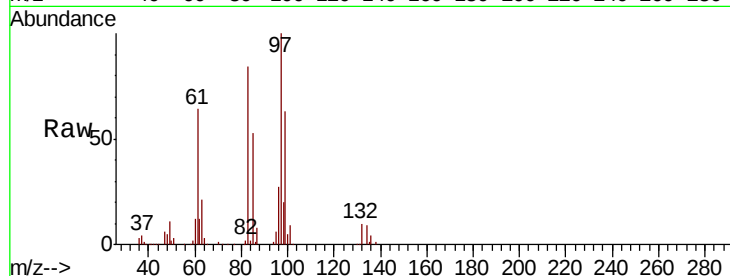
Ion Ratio Lower Upper

97 100

83 84.5 58.5 108.7

85 52.6 37.8 70.2

99 63.3 43.7 81.1

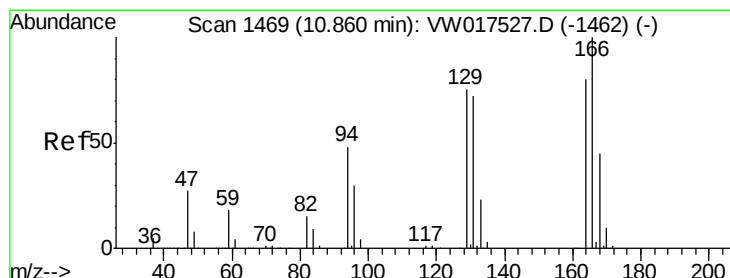
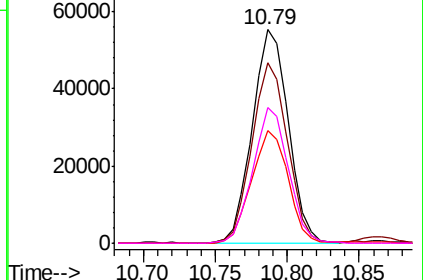
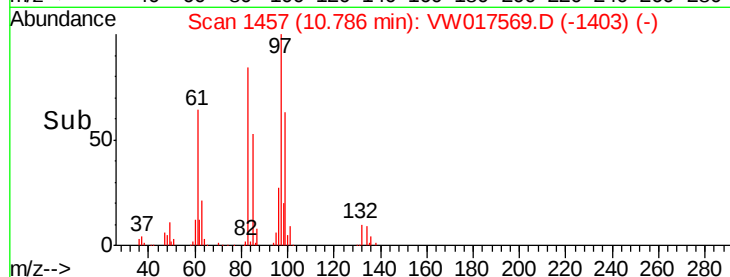


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.098 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Tgt Ion: 164 Resp: 133469

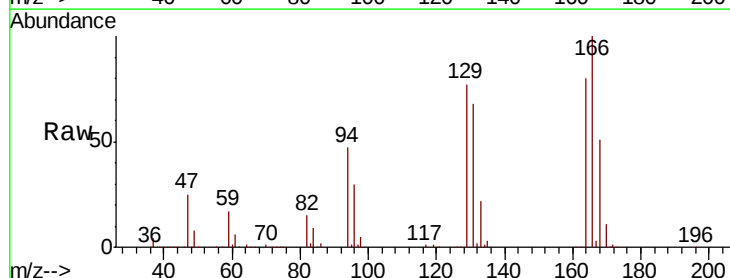
Ion Ratio Lower Upper

164 100

129 95.7 67.6 125.6

131 84.5 65.2 121.2

166 124.6 93.2 173.2

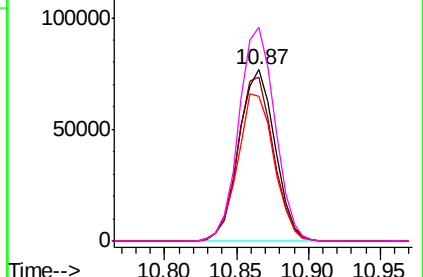
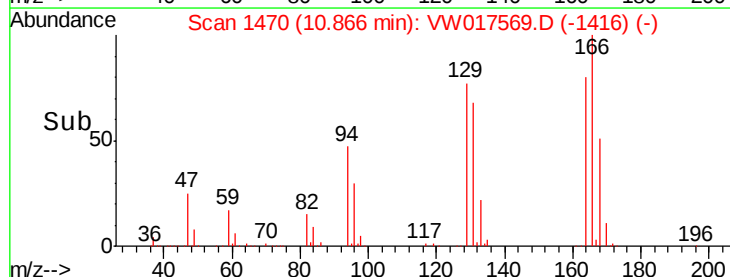


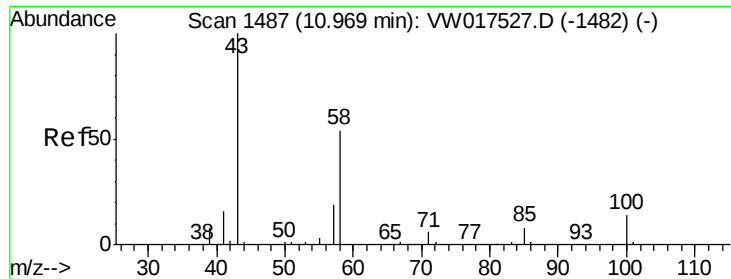
Abundance Ion 164.00 (163.70 to 164.70): V

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

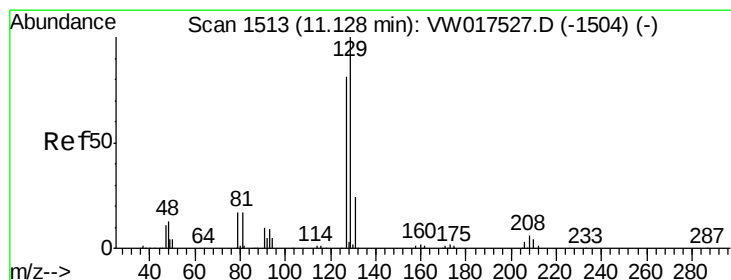
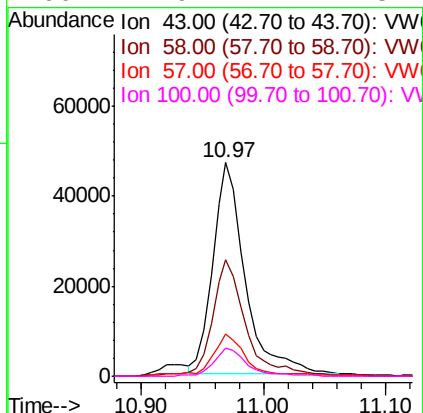
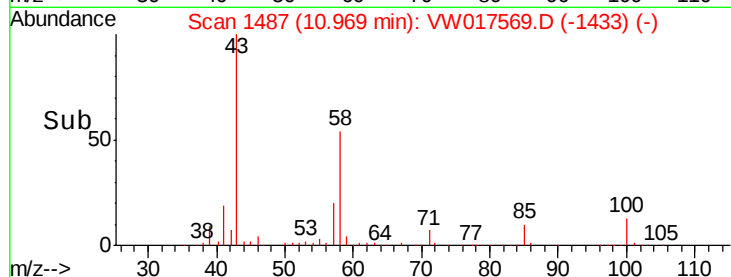
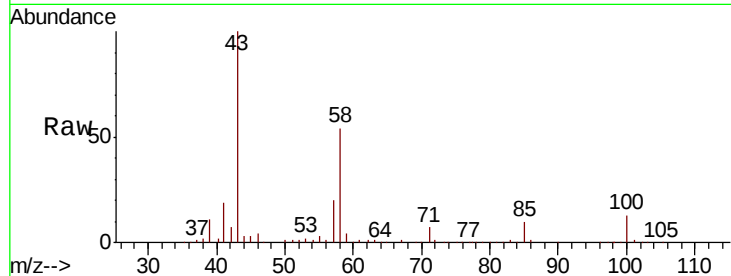




#49
2-Hexanone
Concen: 47.324 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

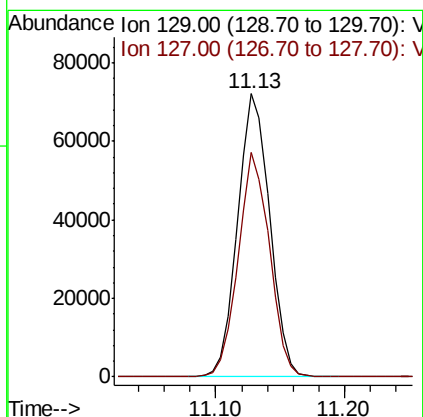
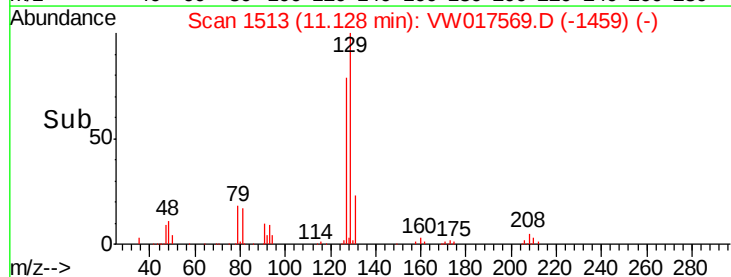
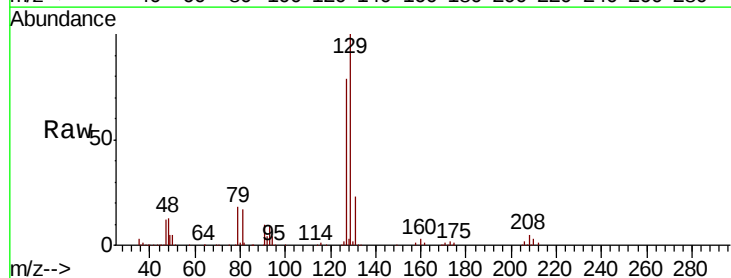
Instrument :
MSVOA_W
ClientSampled :
VSTD02530

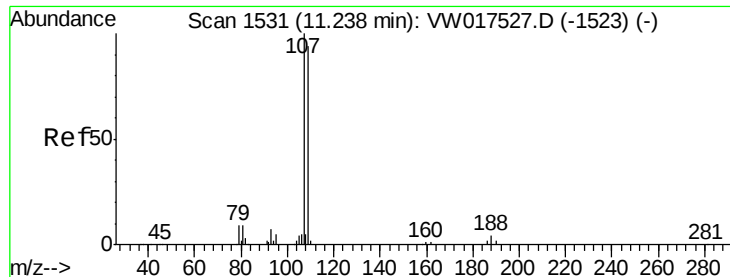
Tot Ion: 43 Resp: 86017
Ion Ratio Lower Upper
43 100
58 57.4 51.3 76.9
57 16.6 15.0 22.6
100 11.9 12.2 18.2#



#50
Dibromochloromethane
Concen: 24.982 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

Tgt Ion: 129 Resp: 124470
Ion Ratio Lower Upper
129 100
127 79.4 53.2 98.8

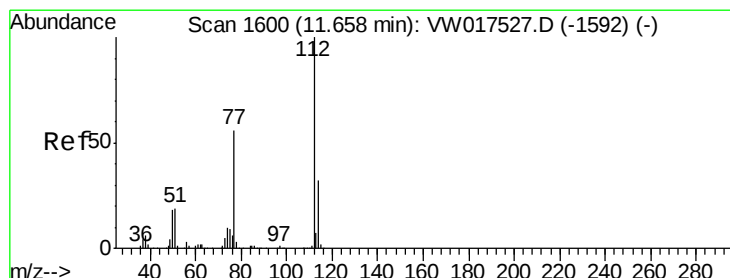
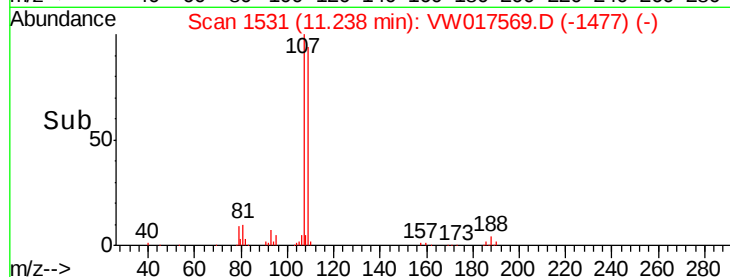
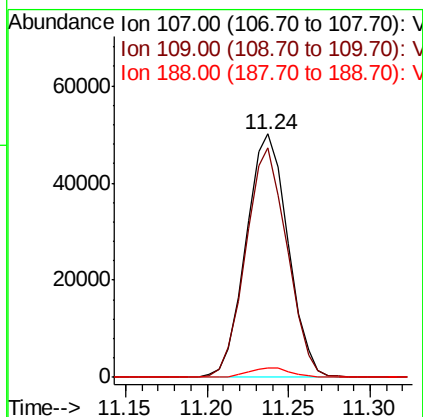
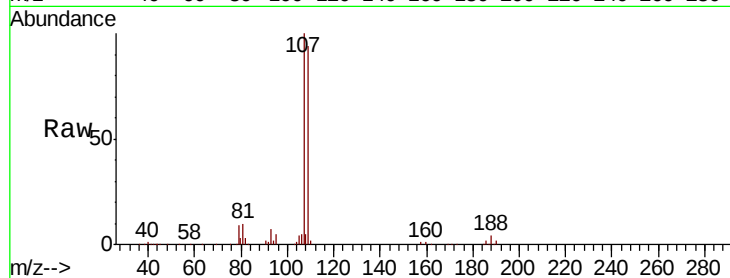




#51
1,2-Dibromoethane
Concen: 23.336 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

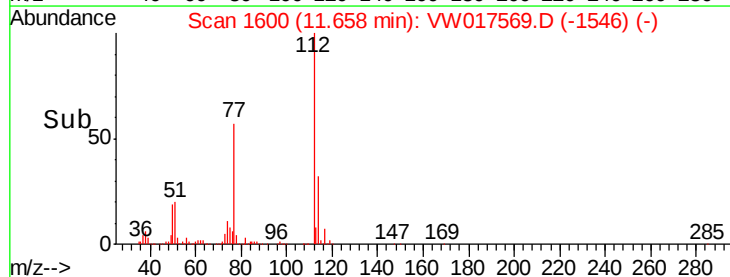
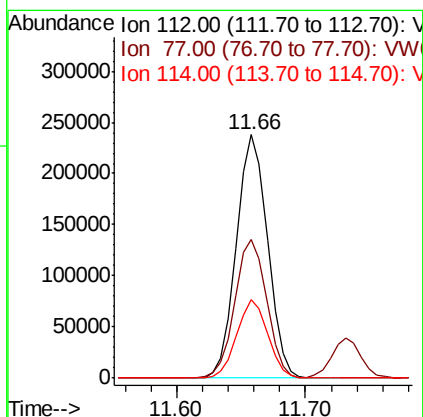
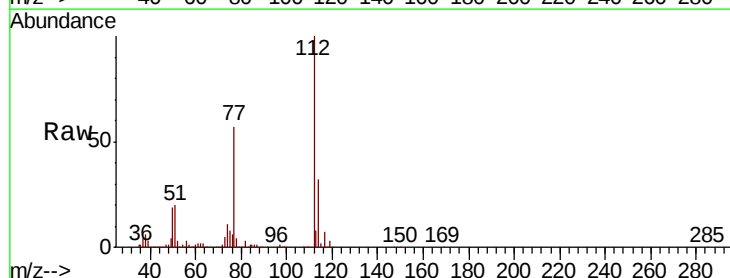
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

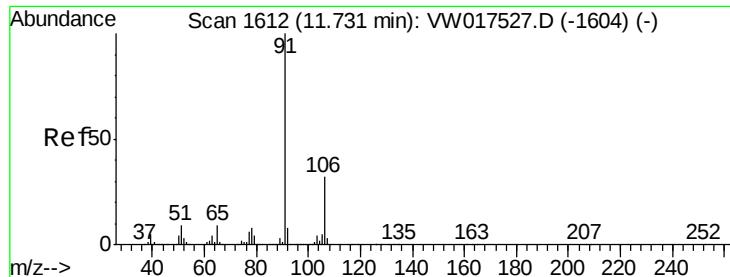
Tot Ion:107 Resp: 89681
Ion Ratio Lower Upper
107 100
109 94.1 66.4 123.2
188 3.7 4.0 6.0#



#52
Chlorobenzene
Concen: 25.149 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

Tgt Ion:112 Resp: 399827
Ion Ratio Lower Upper
112 100
77 57.0 42.6 64.0
114 32.2 21.6 40.2

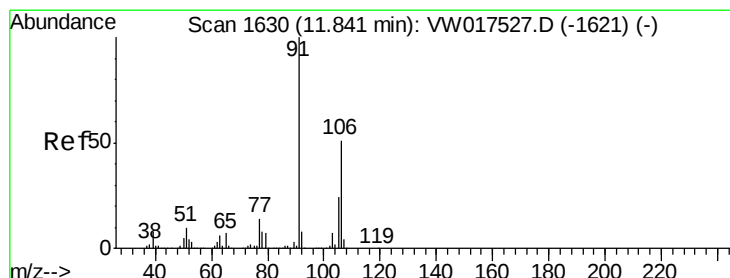
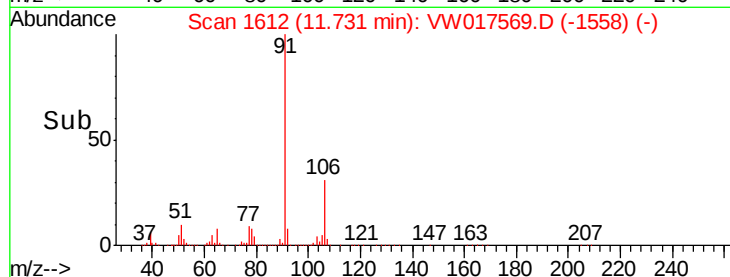
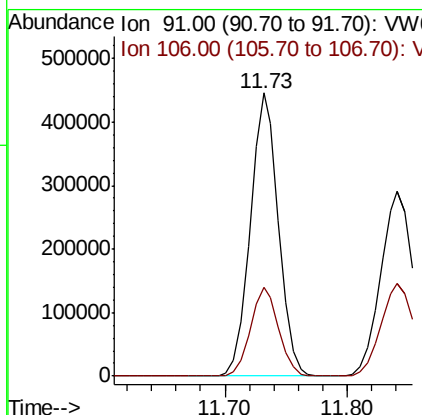
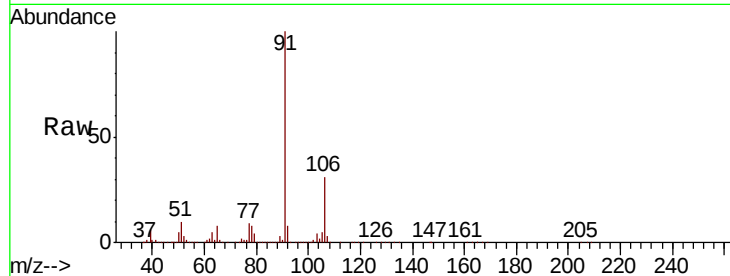




#53
Ethylbenzene
Concen: 25.786 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

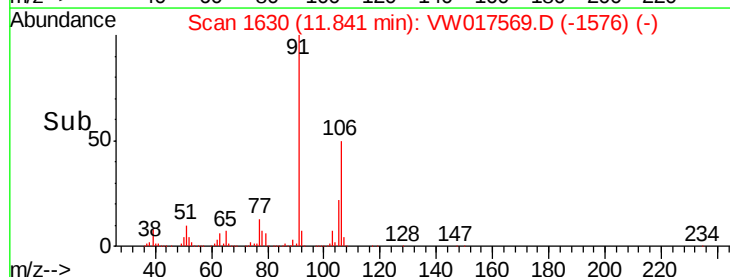
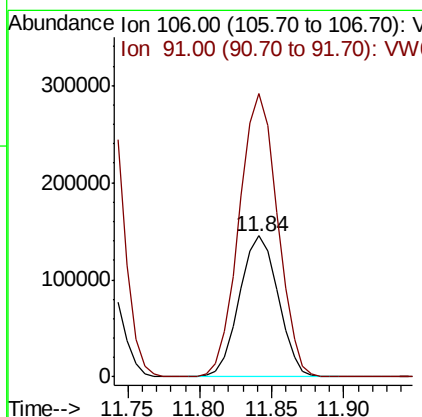
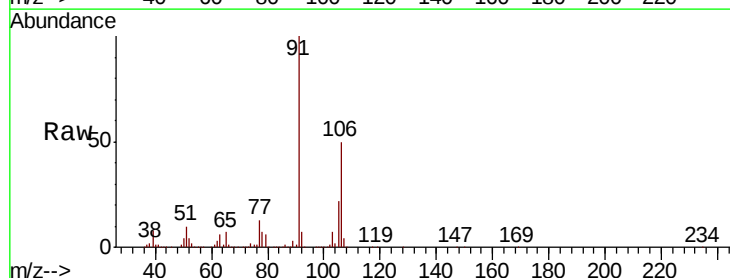
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

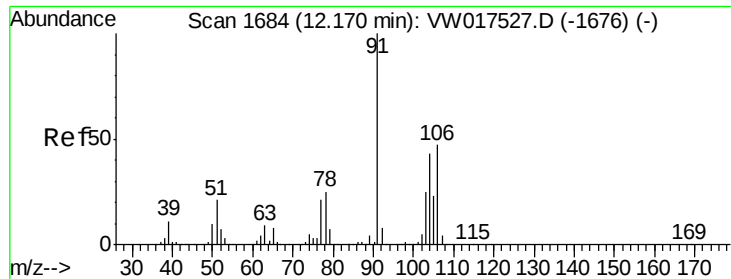
Tot Ion: 91 Resp: 710091
Ion Ratio Lower Upper
91 100
106 31.2 21.1 39.1



#54
m,p-Xylene
Concen: 25.905 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

Tgt Ion: 106 Resp: 271914
Ion Ratio Lower Upper
106 100
91 200.6 136.4 253.4

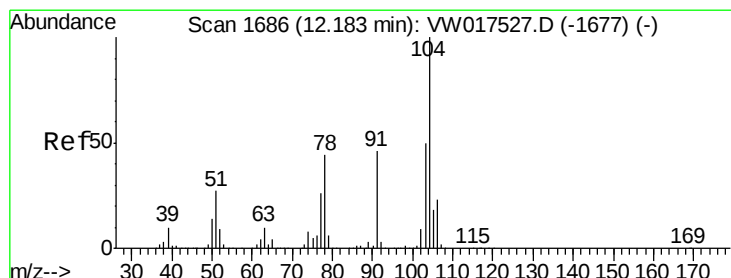
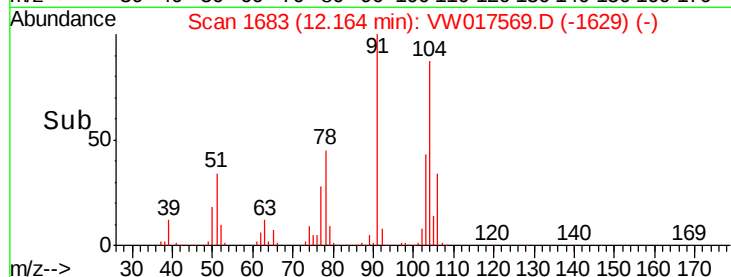
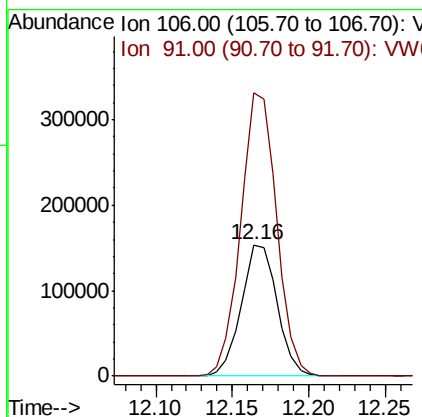
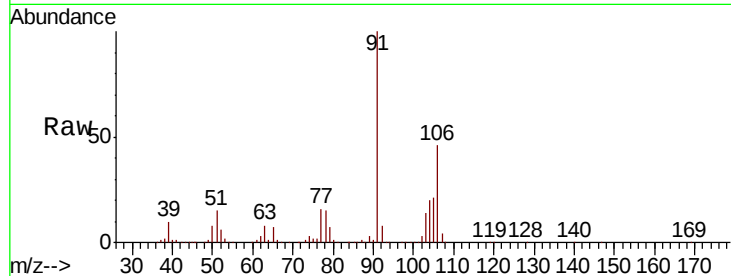




#55
o-xylene
Concen: 25.690 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

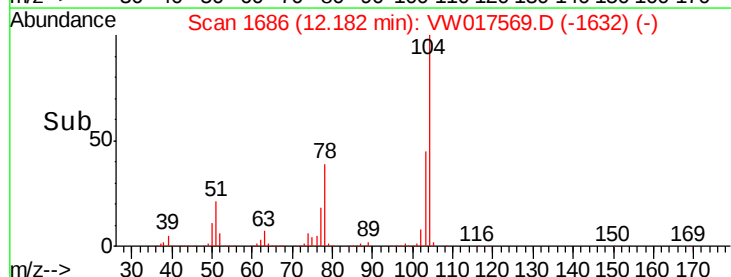
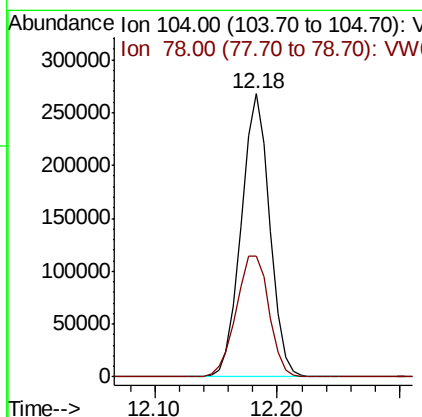
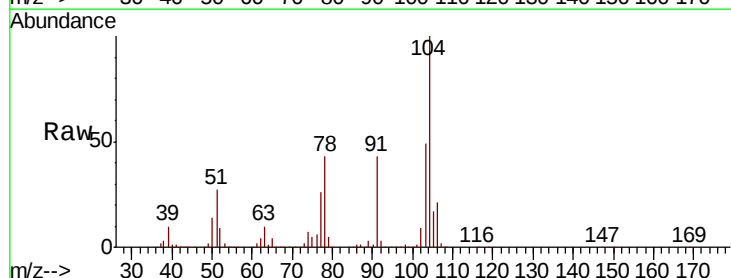
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

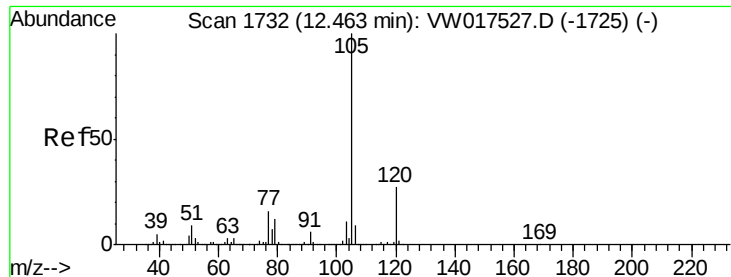
Tot Ion:106 Resp: 251058
Ion Ratio Lower Upper
106 100
91 215.9 147.6 274.2



#56
Styrene
Concen: 26.263 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017569.D
Acq: 07 Dec 2020 10:03

Tgt Ion:104 Resp: 432221
Ion Ratio Lower Upper
104 100
78 42.6 31.3 58.1





#57

Isopropylbenzene

Concen: 26.552 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

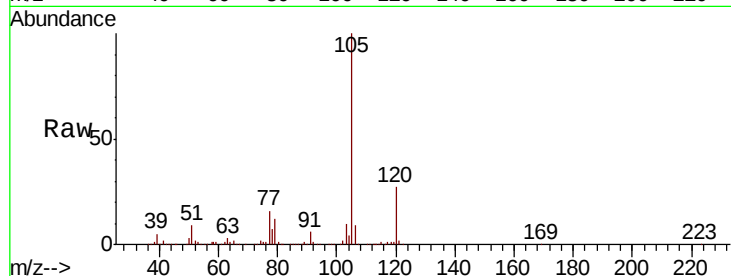
Tot Ion:105 Resp: 713040

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

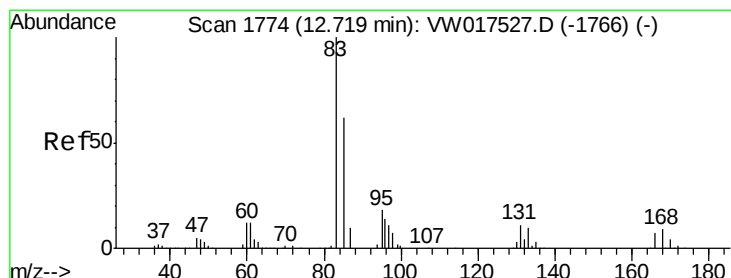
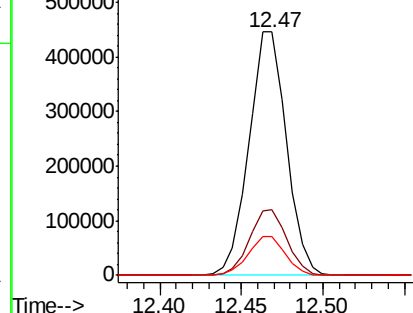
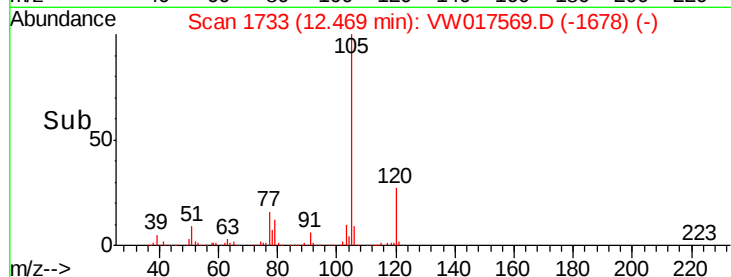
77 15.8 12.1 18.1



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: 23.836 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

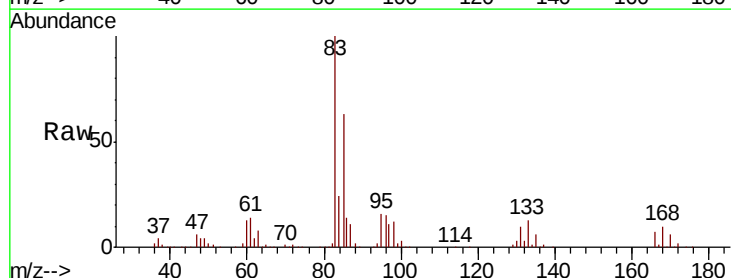
Tgt Ion: 83 Resp: 103757

Ion Ratio Lower Upper

83 100

85 62.7 45.3 84.1

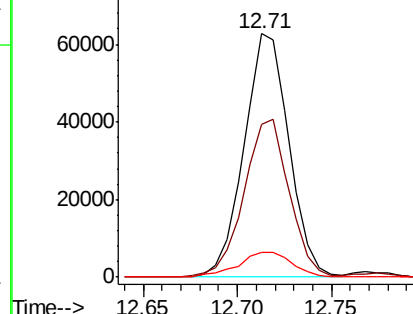
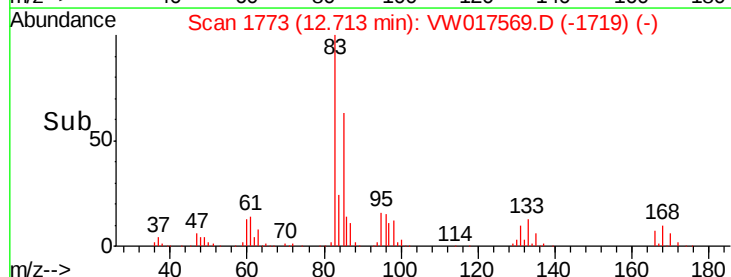
131 10.3 8.3 12.5

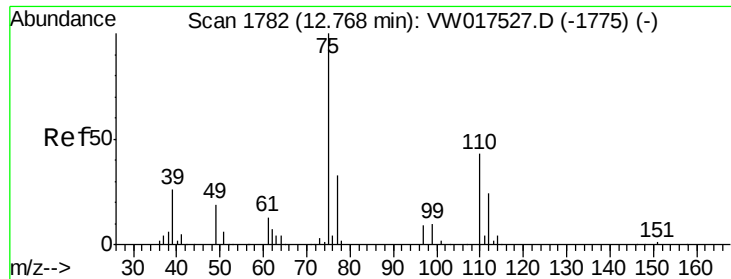


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.692 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampled :

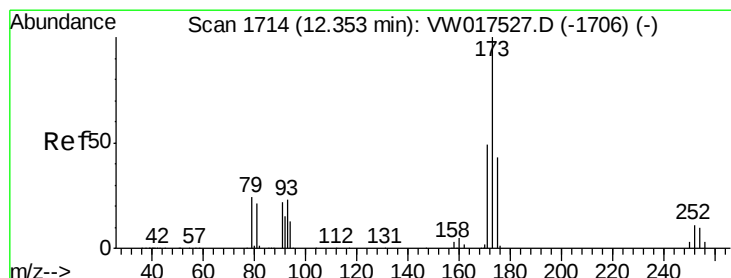
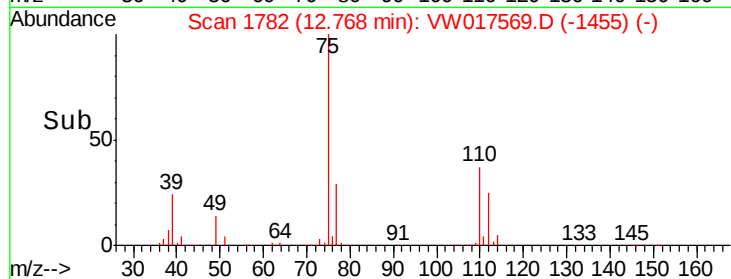
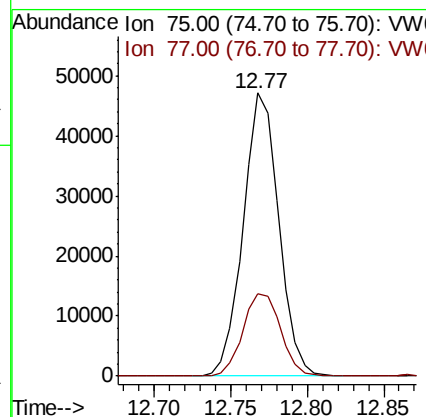
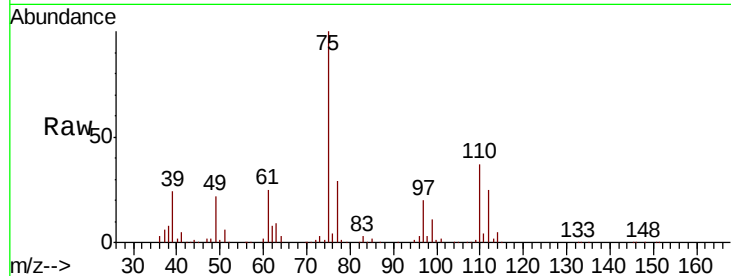
VSTD02530

Tot Ion: 75 Resp: 76138

Ion Ratio Lower Upper

75 100

77 31.0 26.6 39.8



#62

Bromoform

Concen: 24.965 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

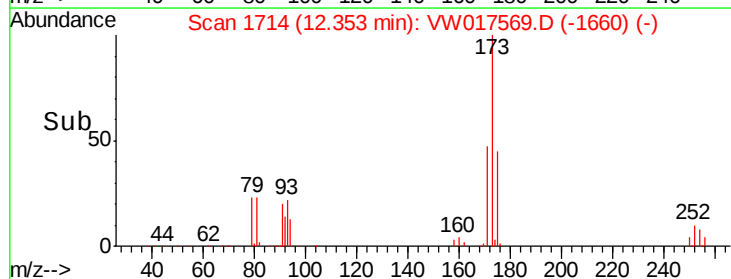
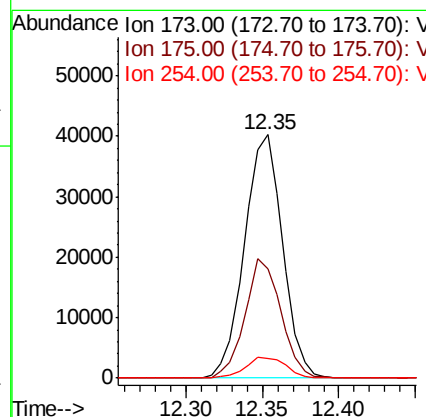
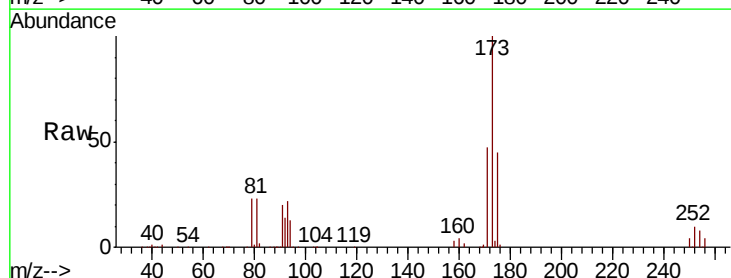
Tgt Ion:173 Resp: 69529

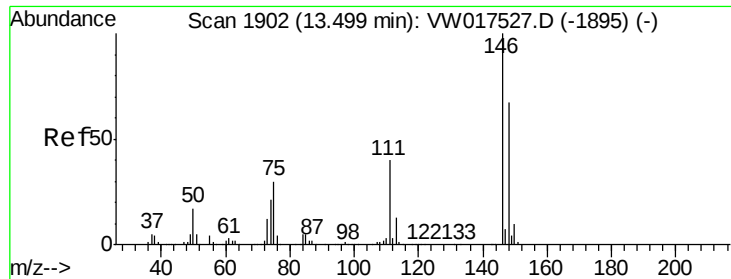
Ion Ratio Lower Upper

173 100

175 46.5 39.1 58.7

254 9.1 7.1 10.7

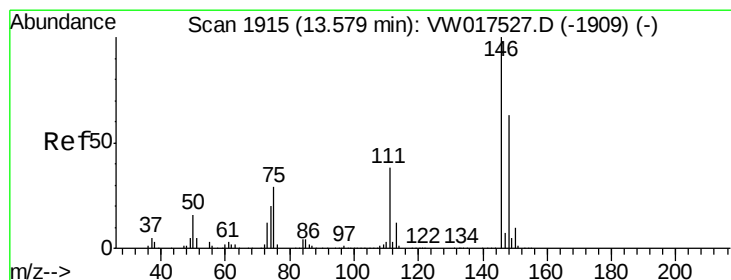
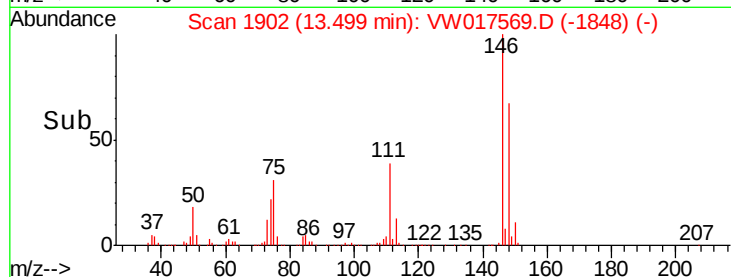
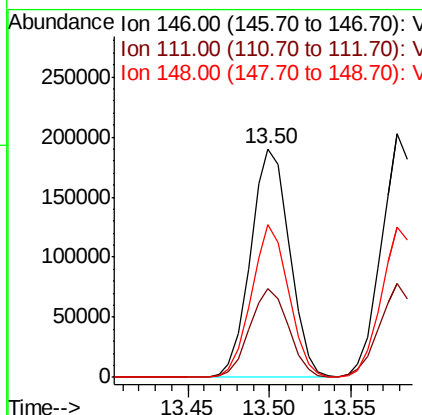
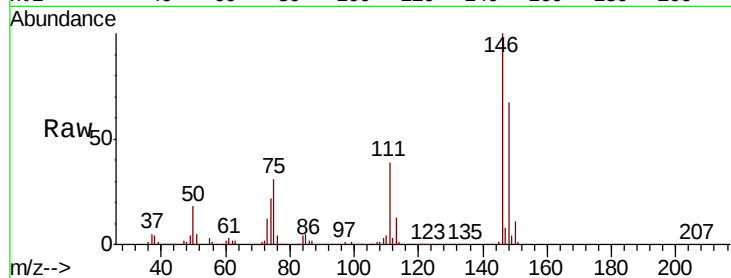




#63
 1,3-Dichlorobenzene
 Concen: 25.472 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017569.D
 Acq: 07 Dec 2020 10:03

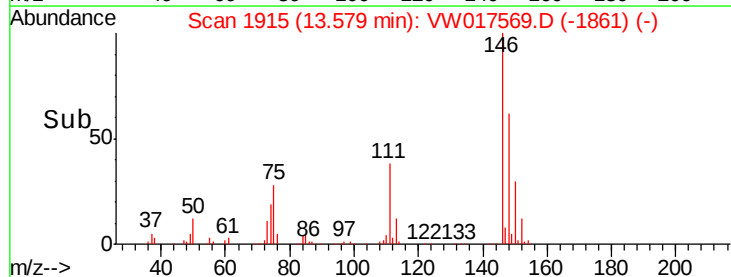
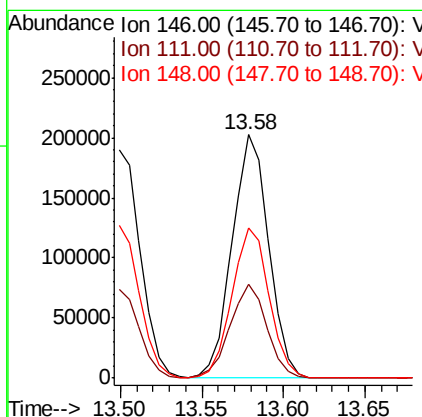
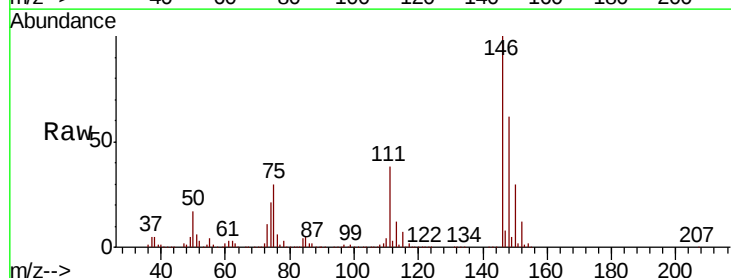
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

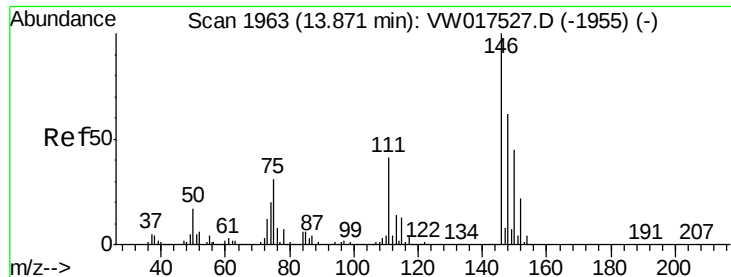
Tot Ion:146 Resp: 315323
 Ion Ratio Lower Upper
 146 100
 111 38.9 28.5 52.9
 148 67.0 47.8 88.8



#64
 1,4-Dichlorobenzene
 Concen: 25.522 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017569.D
 Acq: 07 Dec 2020 10:03

Tgt Ion:146 Resp: 315887
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.7 51.5
 148 61.6 47.0 87.2

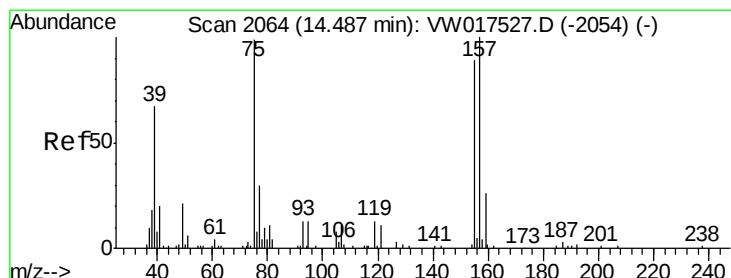
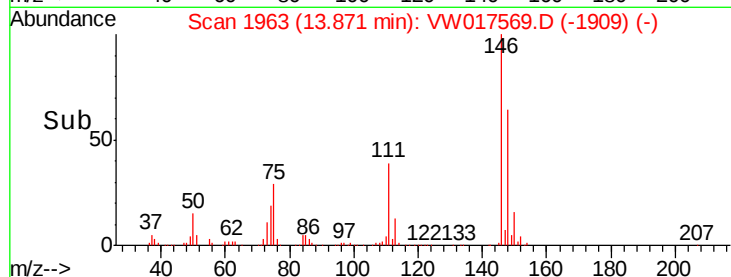
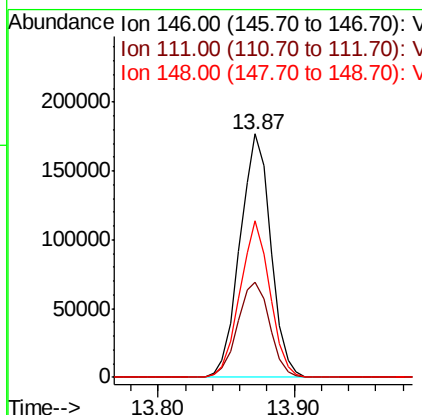
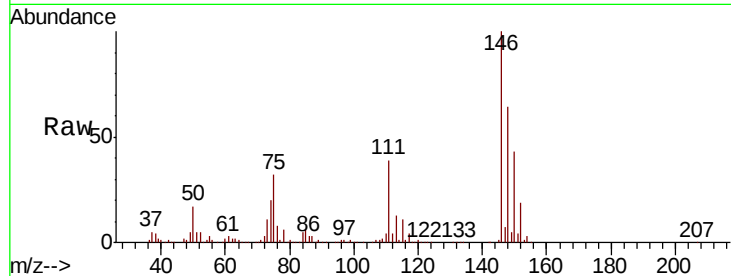




#65
 1,2-Dichlorobenzene
 Concen: 25.921 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017569.D
 Acq: 07 Dec 2020 10:03

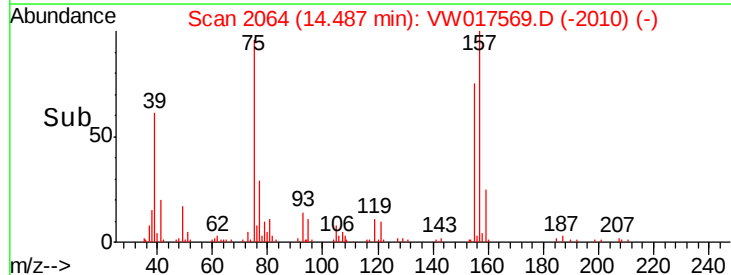
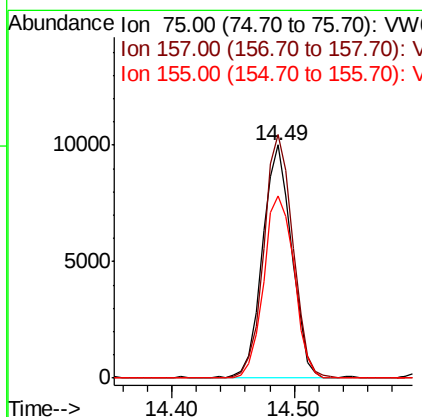
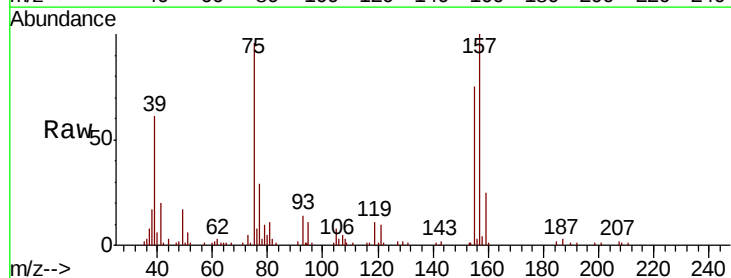
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

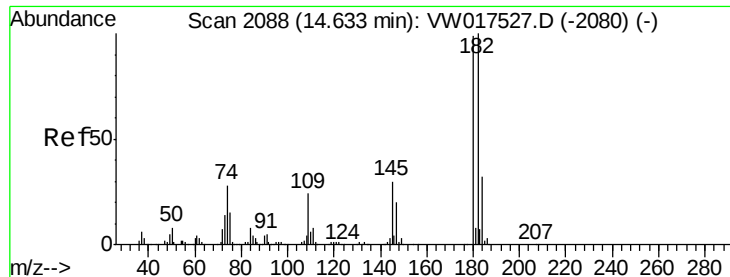
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	31.7	47.5
148	64.1	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.275 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017569.D
 Acq: 07 Dec 2020 10:03

Tgt Ion	Ratio	Lower	Upper
75	100		
157	104.6	99.9	149.9
155	78.2	71.4	107.0

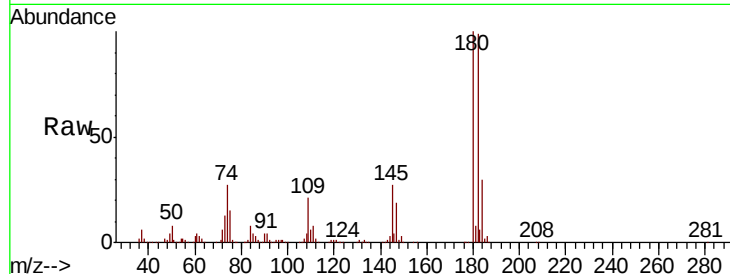




#67
 1,3,5-Trichlorobenzene
 Concen: 25.689 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017569.D
 Acq: 07 Dec 2020 10:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.0	115.6
184	30.4	24.2	36.4
145	29.9	23.5	35.3



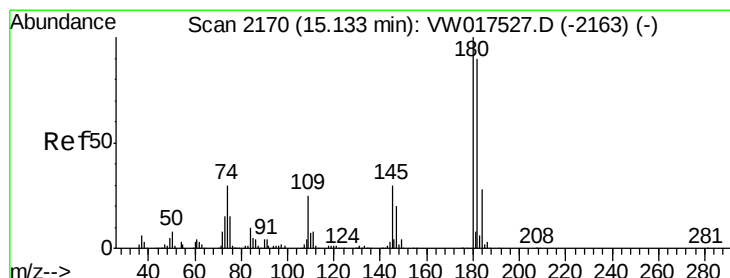
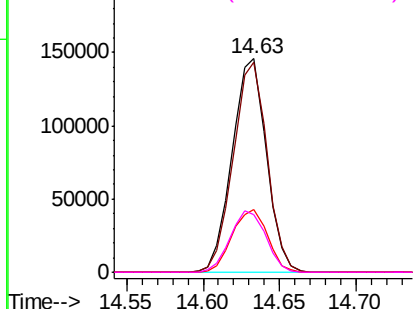
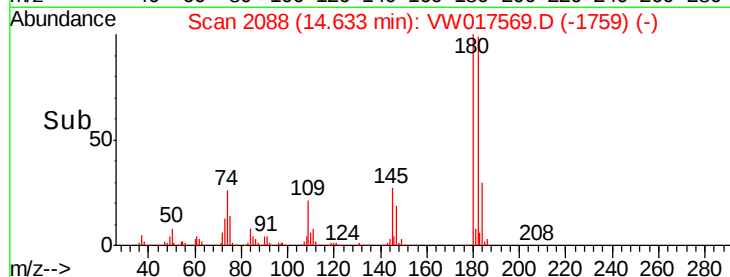
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

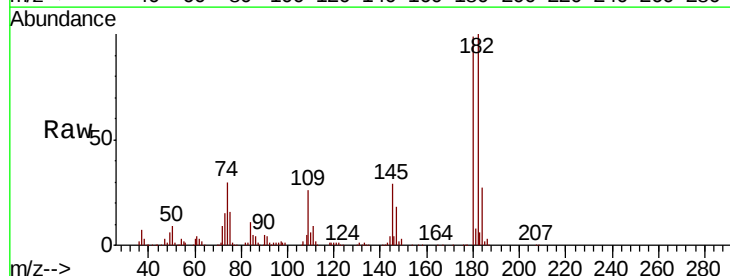
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.430 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017569.D
 Acq: 07 Dec 2020 10:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	71.3	106.9
145	30.0	24.0	36.0

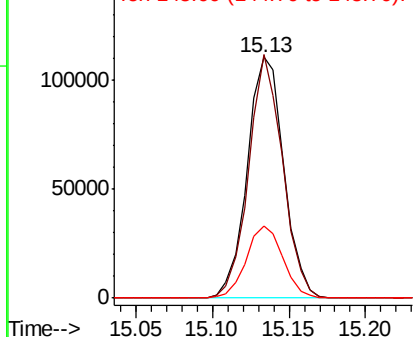
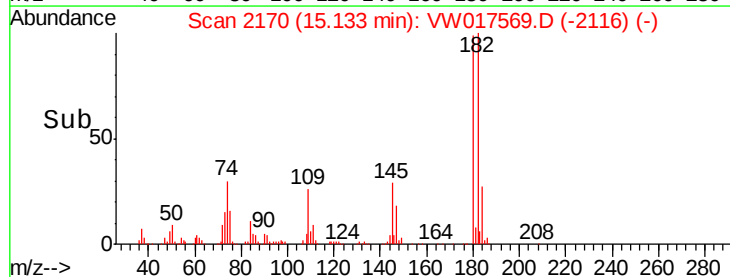


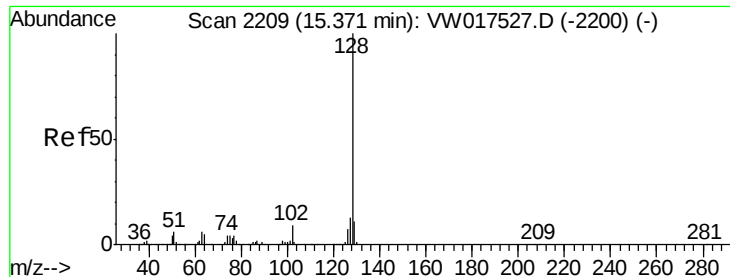
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.677 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

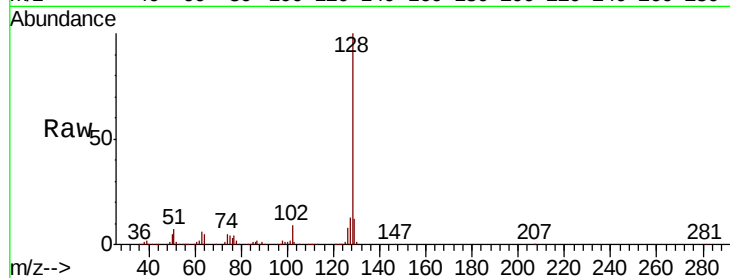
Tot Ion:128 Resp: 267438

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

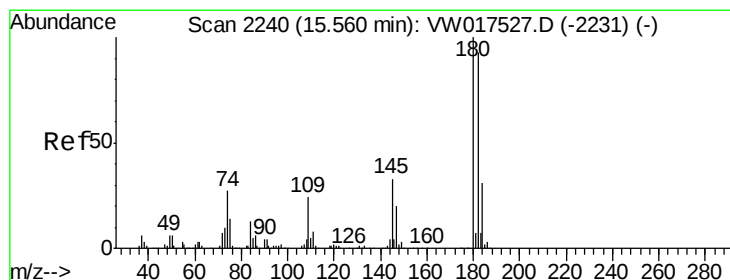
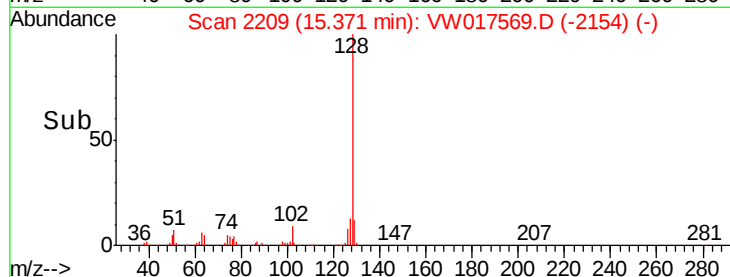
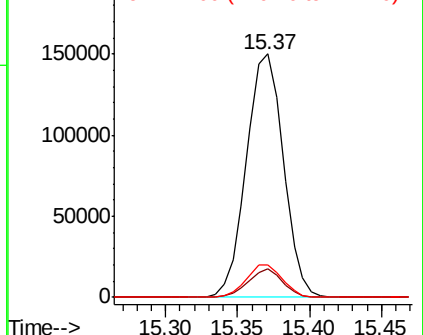
127 13.2 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.977 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW017569.D

Acq: 07 Dec 2020 10:03

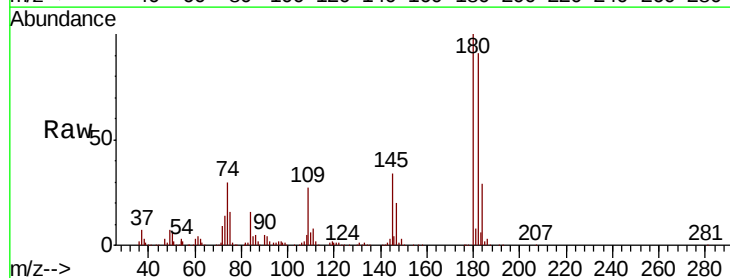
Tgt Ion:180 Resp: 156614

Ion Ratio Lower Upper

180 100

182 94.8 74.7 112.1

145 32.8 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

