

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017128.D
 Acq On : 10 Nov 2020 09:37
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Quant Time: Nov 11 05:34:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 07:51:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	461007	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	423592	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	218172	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	165266	28.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.84%
7) Chloroethane-d5	2.89	69	132793	29.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.72%
10) 1,1-Dichloroethene-d2	4.02	63	274073	26.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.56%
20) 2-Butanone-d5	7.08	46	63052	48.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.12%
24) Chloroform-d	7.65	84	311508	28.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	115.76%
26) 1,2-Dichloroethane-d4	8.31	65	150968	28.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.88%
29) Benzene-d6	8.27	84	602656	27.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.76%
33) 1,2-Dichloropropane-d6	9.27	67	167407	28.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.24%
37) Toluene-d8	10.32	98	563411	27.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.80%
38) trans-1,3-Dichloropropene-	10.58	79	71548	26.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.40%
39) 2-Hexanone-d5	10.93	63	51428	49.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138957	26.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	212570	27.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	109676	23.712	ug/L 100
3) Chloromethane	2.21	50	92853	22.119	ug/L 100
5) Vinyl chloride	2.37	62	154566	25.105	ug/L 99
6) Bromomethane	2.78	94	104556	24.556	ug/L 100
8) Chloroethane	2.93	64	93823	25.256	ug/L 98
9) Trichlorofluoromethane	3.26	101	126865	25.335	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	149259	25.083	ug/L 100
12) 1,1-Dichloroethene	4.04	96	135865	23.745	ug/L 97
13) Acetone	4.13	43	35308	40.609	ug/L 98
14) Carbon disulfide	4.39	76	348799	22.400	ug/L 100
15) Methyl Acetate	4.67	43	41873	19.431	ug/L 95
16) Methylene chloride	4.92	84	130913	21.063	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	150171	21.494	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	139095	23.484	ug/L 96
19) 1,1-Dichloroethane	6.21	63	228100	24.308	ug/L 100
21) 2-Butanone	7.17	43	54024	38.697	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	148089	23.648	ug/L 99

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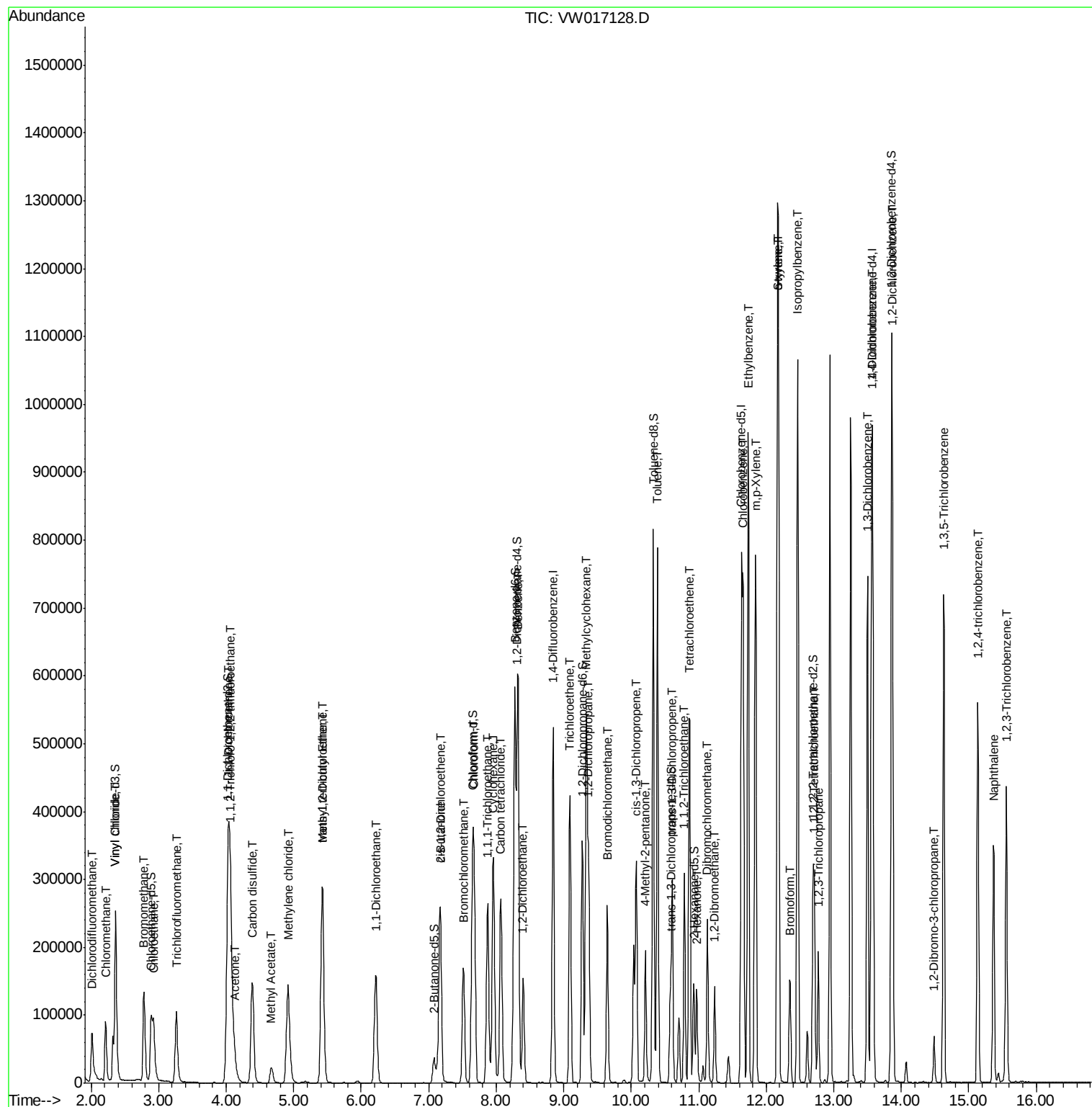
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68797	22.817	ug/L	96
25) Chloroform	7.67	83	253532	24.816	ug/L	99
27) 1,2-Dichloroethane	8.40	62	145253	23.725	ug/L	97
30) Cyclohexane	7.96	56	182641	22.900	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	220243	25.390	ug/L	99
32) Carbon tetrachloride	8.07	117	212826	25.426	ug/L	99
34) Benzene	8.32	78	532039	23.920	ug/L	100
35) Trichloroethene	9.09	95	147197	23.624	ug/L	99
36) Methylcyclohexane	9.34	83	236987	23.637	ug/L	99
40) 1,2-Dichloropropane	9.37	63	123174	23.690	ug/L	99
41) Bromodichloromethane	9.65	83	175674	24.429	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	196011	23.800	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	119956	37.394	ug/L	99
44) Toluene	10.39	91	600204	24.515	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	168865	23.876	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	100329	22.380	ug/L	99
47) Tetrachloroethene	10.87	164	130452	23.206	ug/L	95
49) 2-Hexanone	10.97	43	80215	41.477	ug/L	97
50) Dibromochloromethane	11.13	129	126076	23.084	ug/L	100
51) 1,2-Dibromoethane	11.24	107	95721	21.979	ug/L	100
52) Chlorobenzene	11.66	112	392864	23.725	ug/L	99
53) Ethylbenzene	11.73	91	674397	24.661	ug/L	100
54) m,p-Xylene	11.84	106	261199	24.417	ug/L	100
55) o-xylene	12.16	106	247396	24.365	ug/L	95
56) Styrene	12.18	104	430376	25.246	ug/L	99
57) Isopropylbenzene	12.46	105	699563	25.387	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	112551	21.733	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	79638	21.394	ug/L	99
62) Bromoform	12.35	173	73007	21.800	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	317915	23.425	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	320332	23.493	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	291429	23.812	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	16875	20.854	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	235938	23.592	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	192730	24.149	ug/L	98
69) Naphthalene	15.36	128	317630	21.626	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	165818	22.739	ug/L	98

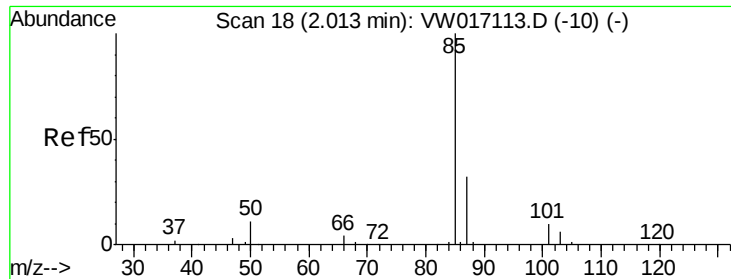
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.712 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

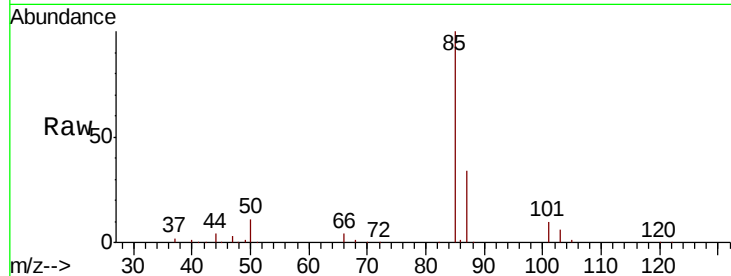
VSTD02520

Tot Ion: 85 Resp: 109676

Ion Ratio Lower Upper

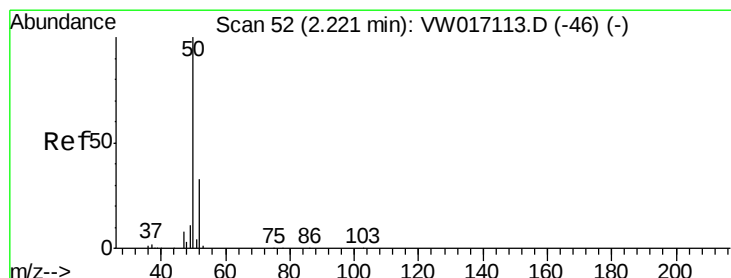
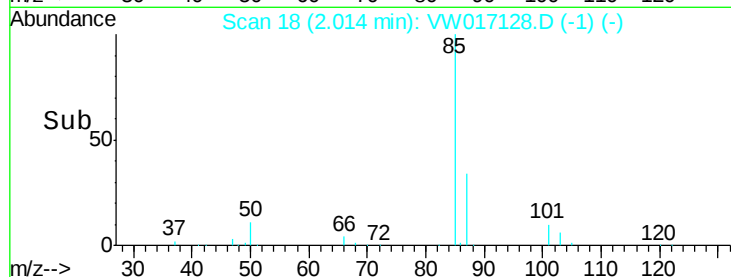
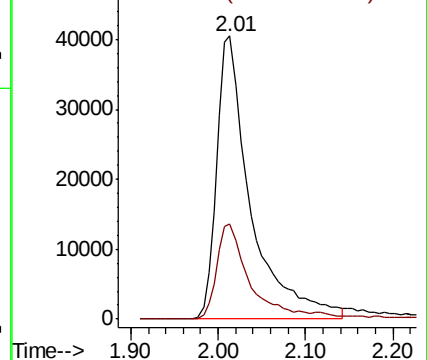
85 100

87 30.8 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: 22.119 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017128.D

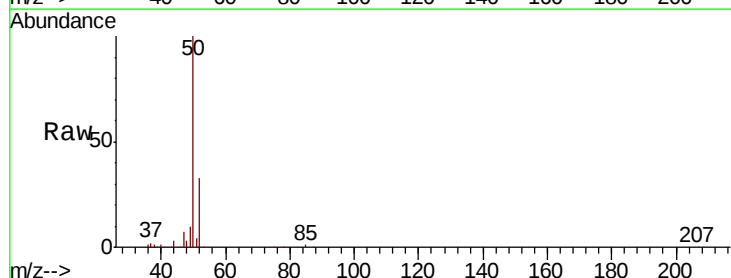
Acq: 10 Nov 2020 09:37

Tgt Ion: 50 Resp: 92853

Ion Ratio Lower Upper

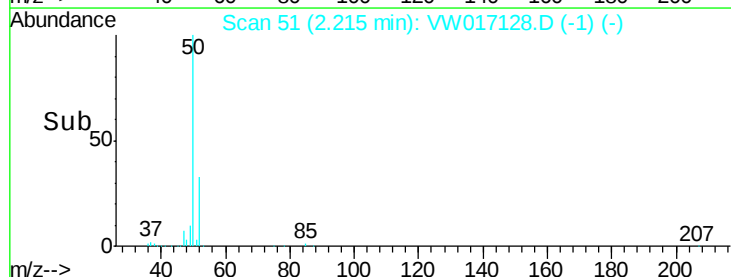
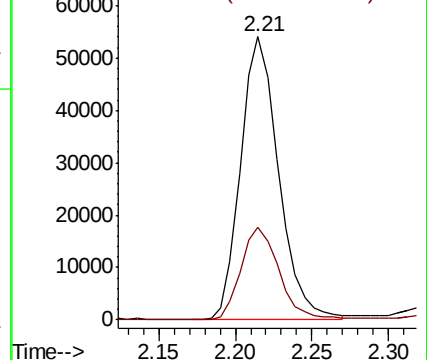
50 100

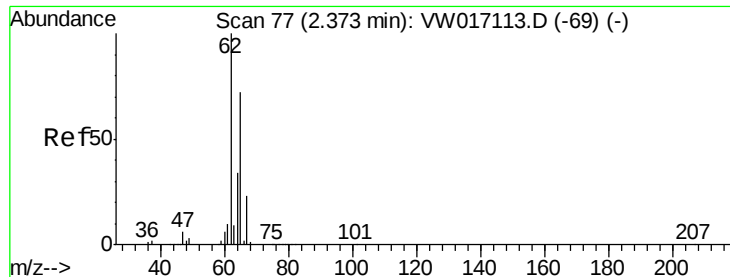
52 32.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.105 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

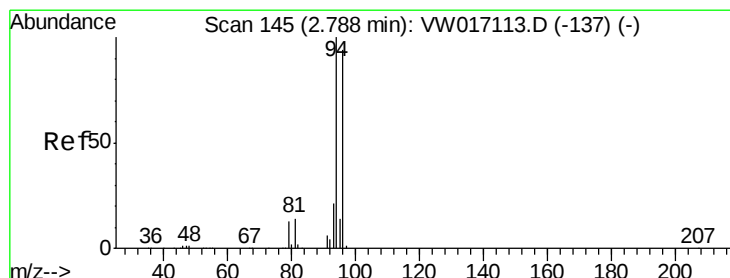
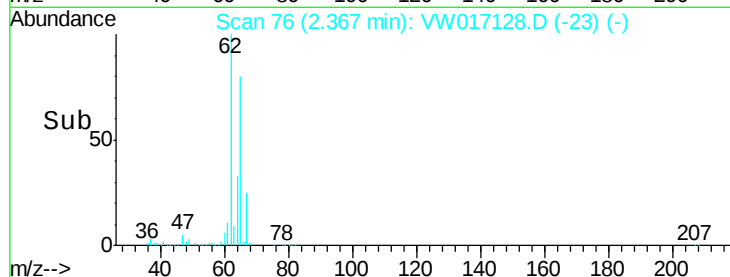
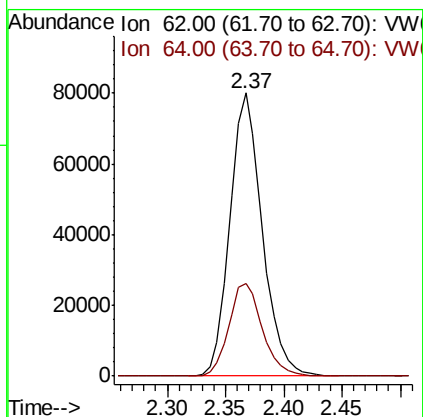
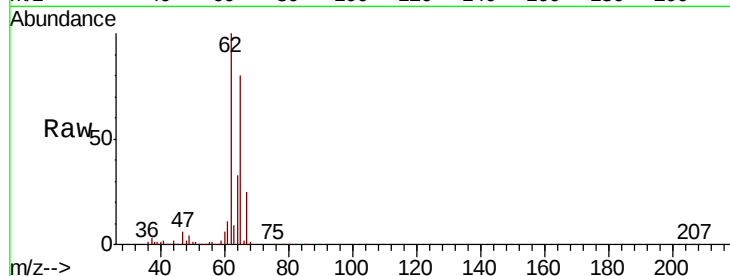
VSTD02520

Tot Ion: 62 Resp: 154566

Ion Ratio Lower Upper

62 100

64 32.7 23.3 43.3



#6

Bromomethane

Concen: 24.556 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017128.D

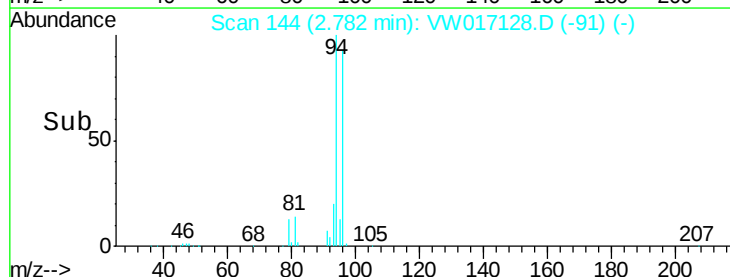
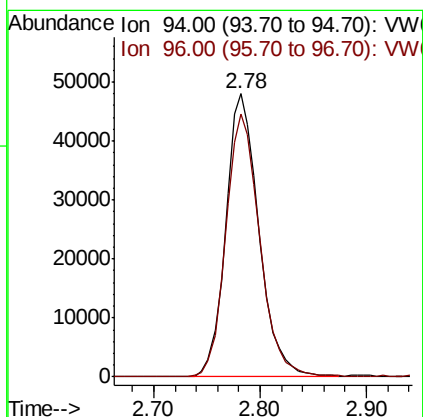
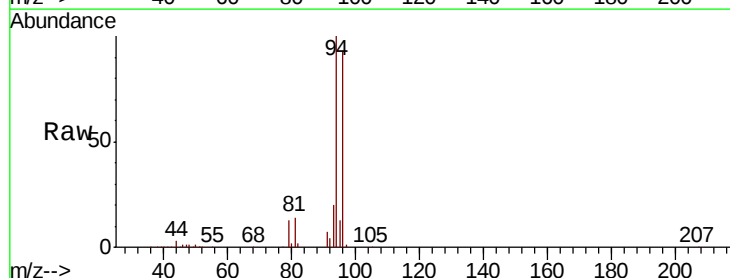
Acq: 10 Nov 2020 09:37

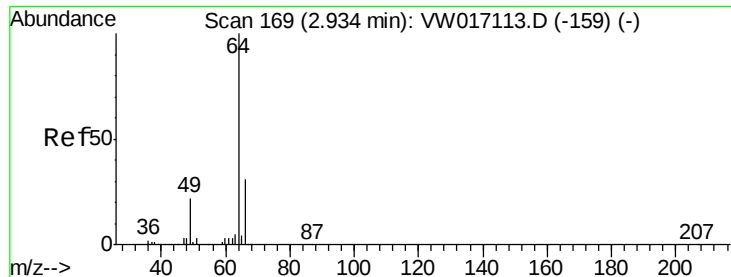
Tgt Ion: 94 Resp: 104556

Ion Ratio Lower Upper

94 100

96 95.2 9.6 181.8





#8

Chloroethane

Concen: 25.256 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

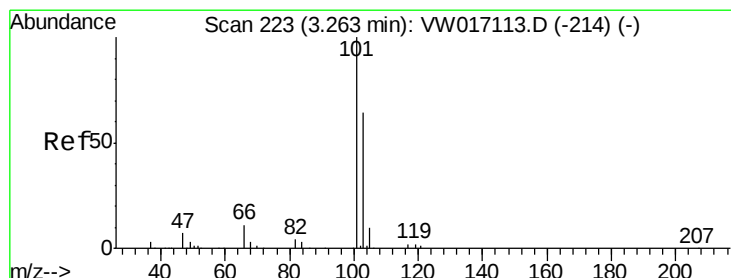
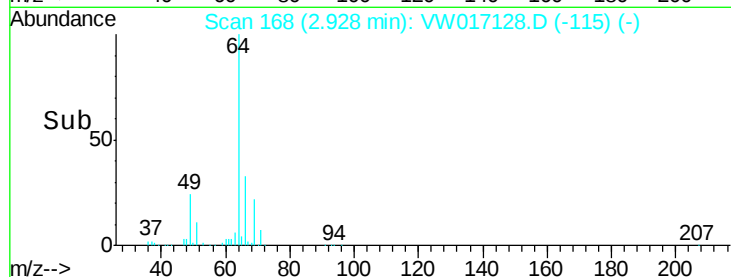
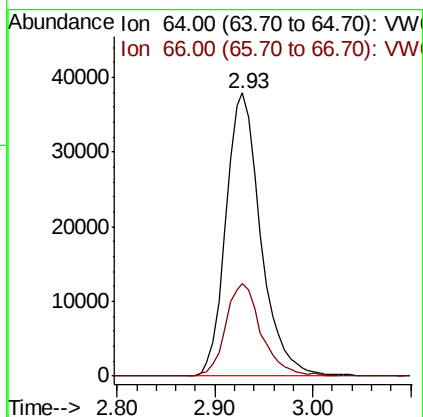
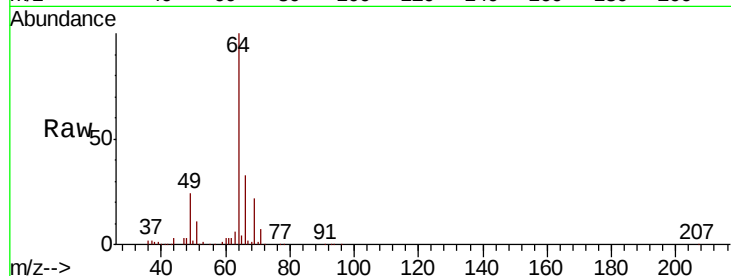
VSTD02520

Tot Ion: 64 Resp: 93823

Ion Ratio Lower Upper

64 100

66 32.8 22.3 41.5



#9

Trichlorofluoromethane

Concen: 25.335 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017128.D

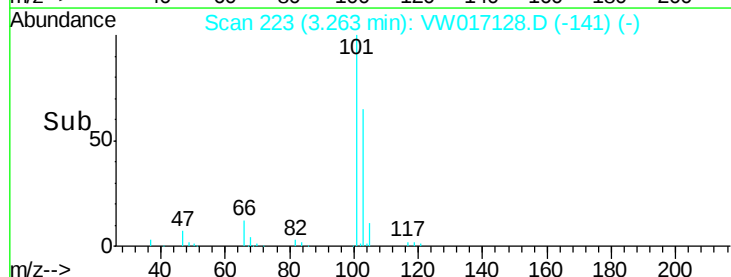
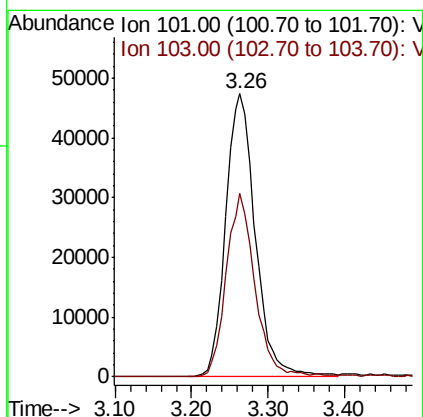
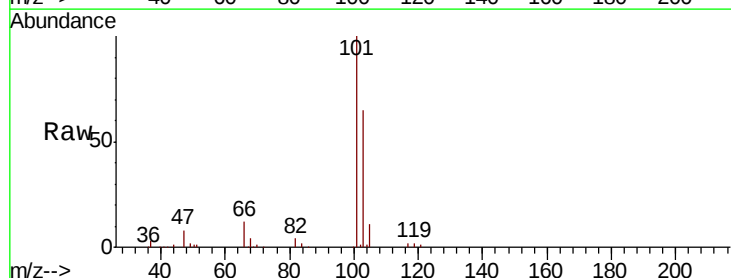
Acq: 10 Nov 2020 09:37

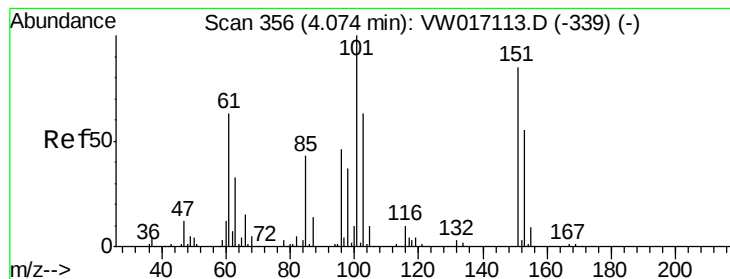
Tgt Ion: 101 Resp: 126865

Ion Ratio Lower Upper

101 100

103 61.4 45.4 84.2





#11

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

Concen: 25.083 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

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ClientSampleId :

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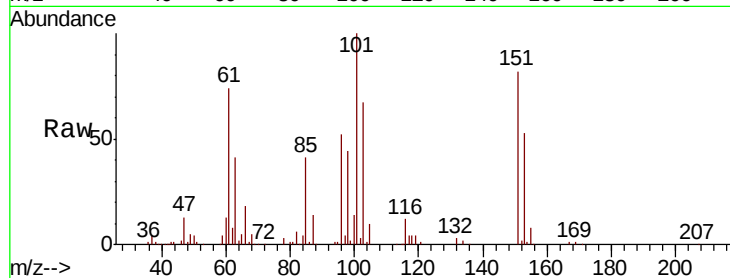
Tot Ion:101 Resp: 149259

Ion Ratio Lower Upper

101 100

85 41.2 32.8 49.2

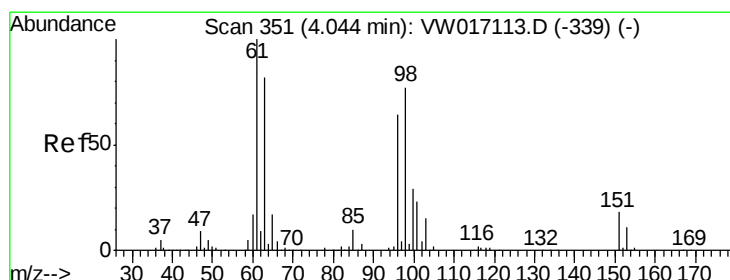
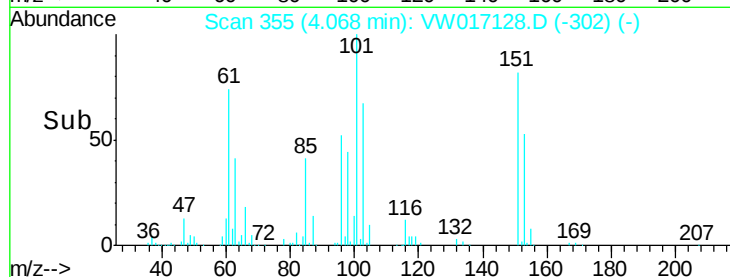
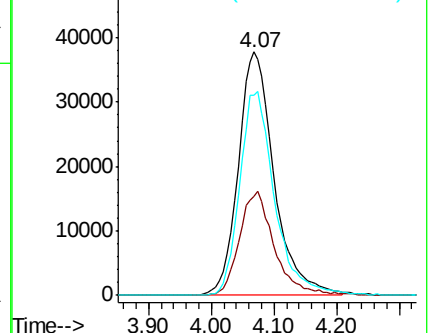
151 81.5 65.4 98.2



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: 23.745 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

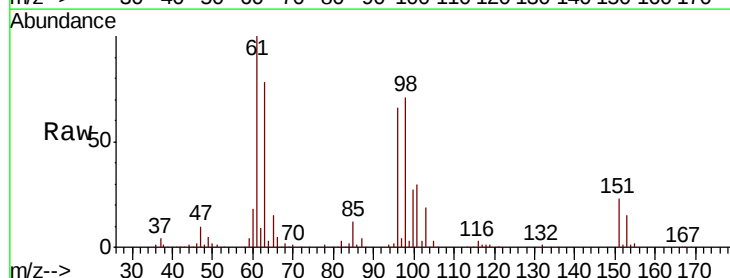
Tgt Ion: 96 Resp: 135865

Ion Ratio Lower Upper

96 100

61 151.5 103.8 192.8

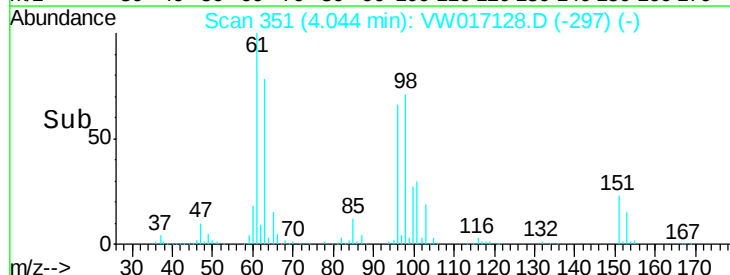
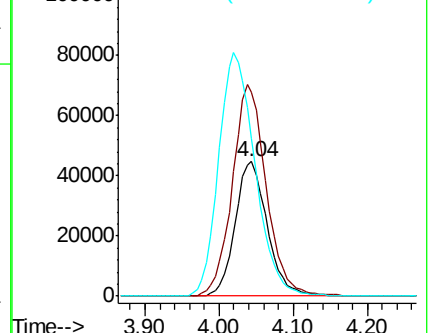
63 117.7 84.4 156.7

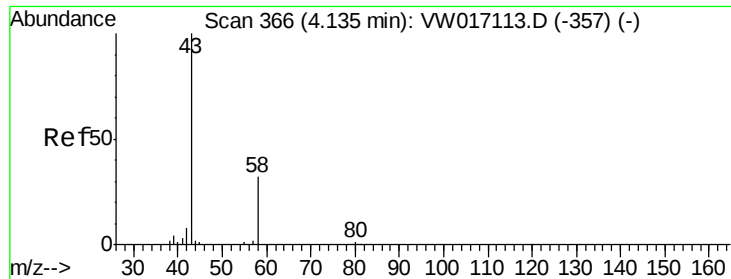


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.609 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

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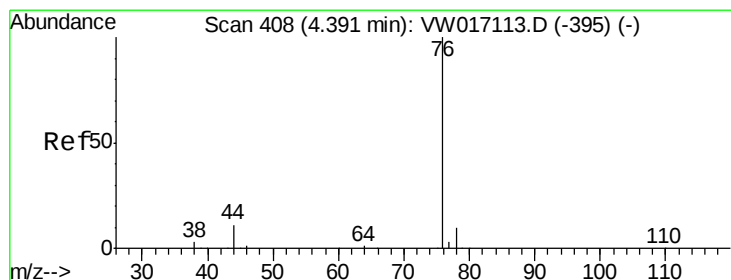
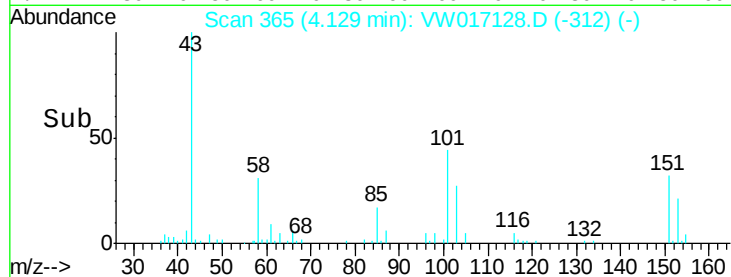
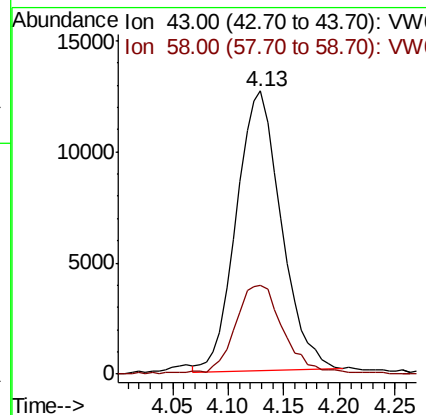
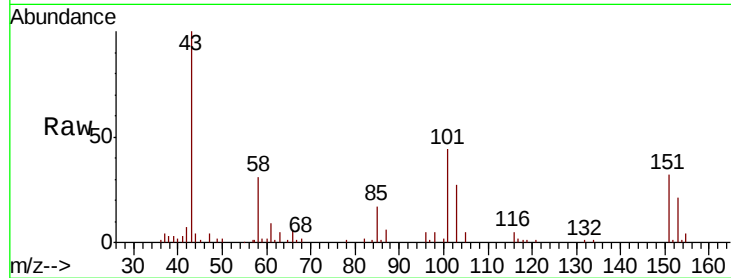
VSTD02520

Tot Ion: 43 Resp: 35308

Ion Ratio Lower Upper

43 100

58 33.2 0.0 69.2



#14

Carbon disulfide

Concen: 22.400 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

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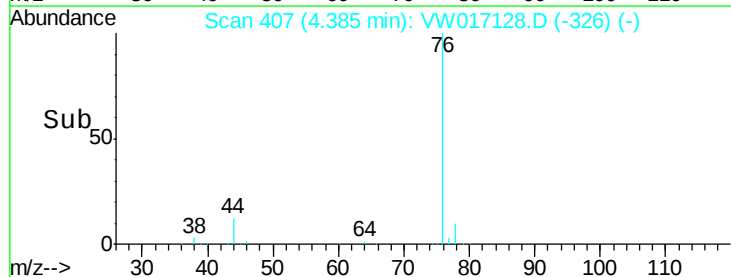
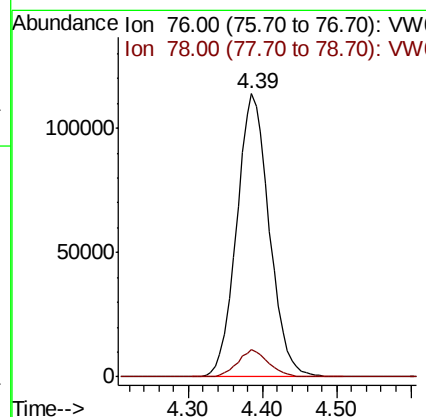
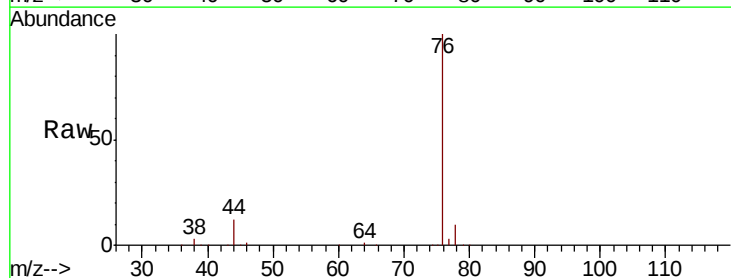
Acq: 10 Nov 2020 09:37

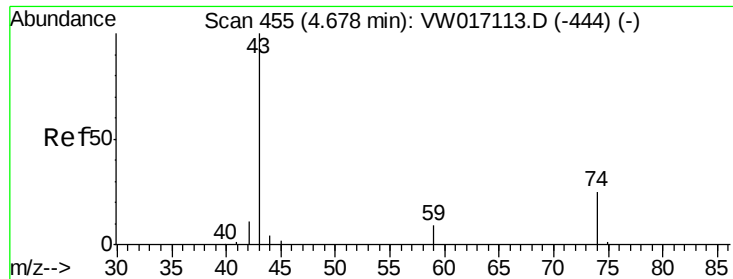
Tgt Ion: 76 Resp: 348799

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

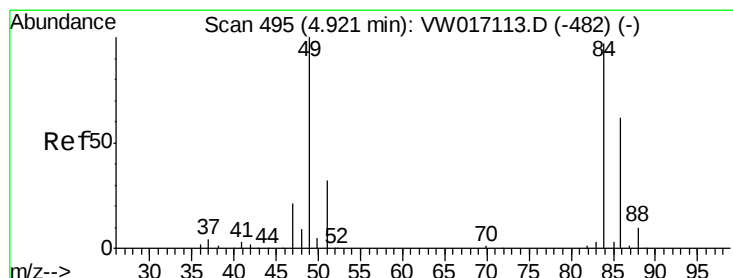
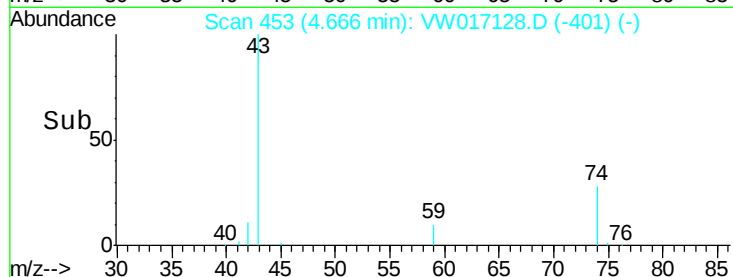
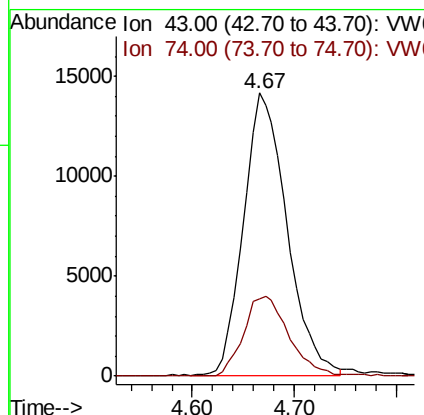
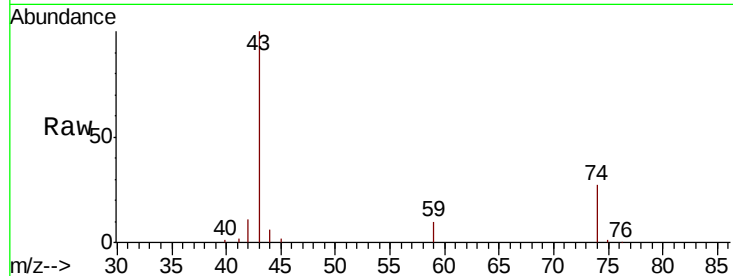




#15
Methvl Acetate
Concen: 19.431 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

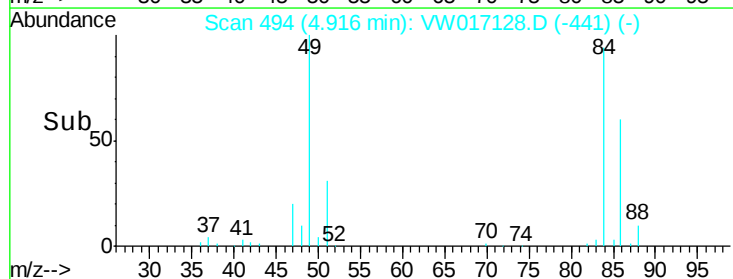
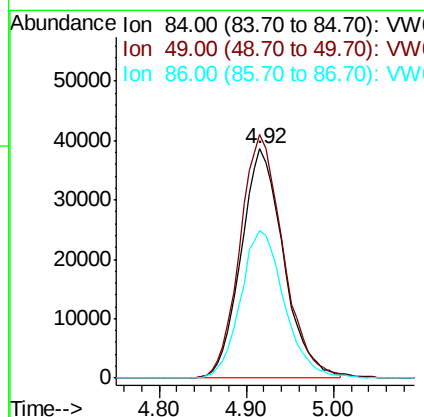
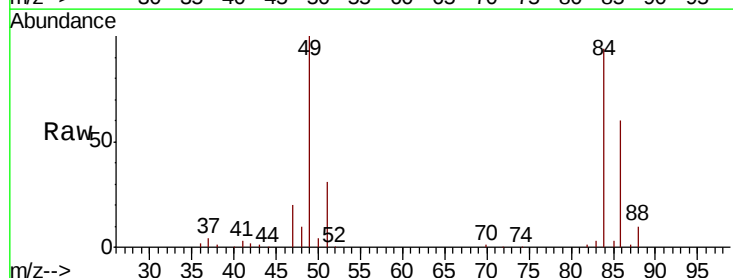
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

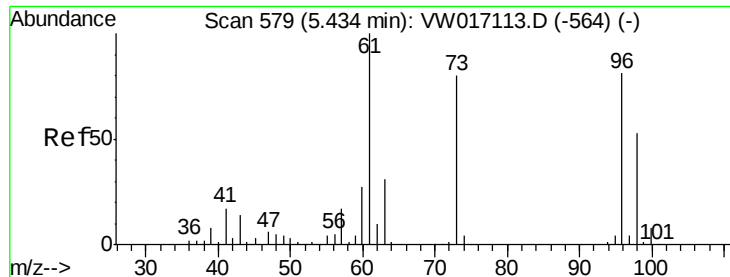
Tot Ion: 43 Resp: 41873
Ion Ratio Lower Upper
43 100
74 29.4 21.5 32.3



#16
Methylene chloride
Concen: 21.063 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

Tgt Ion: 84 Resp: 130913
Ion Ratio Lower Upper
84 100
49 106.1 72.3 134.3
86 64.1 45.1 83.7

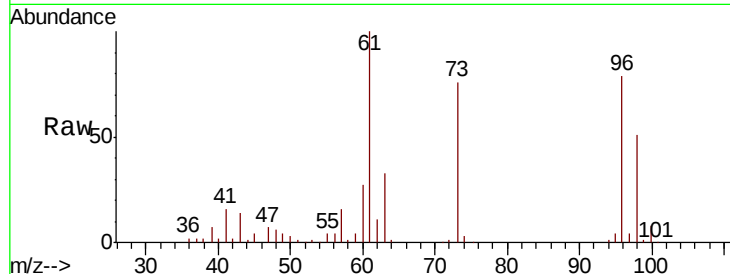




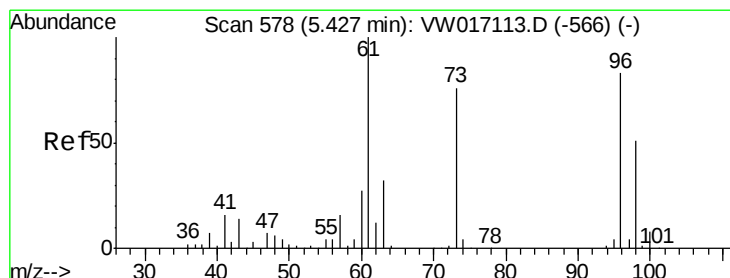
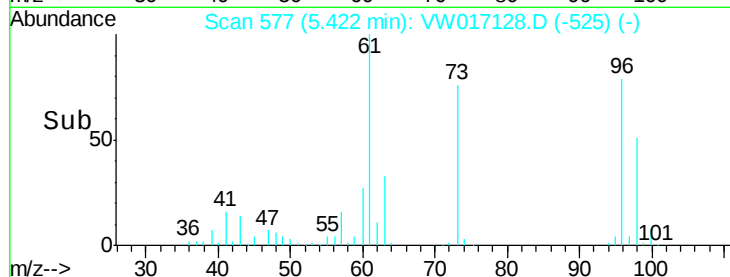
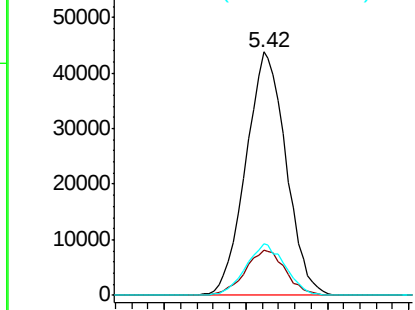
#17
Methvl tert-butvl Ether
Concen: 21.494 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Tot Ion: 73 Resp: 150171
Ion Ratio Lower Upper
73 100
43 18.7 14.5 21.7
57 20.8 16.3 24.5

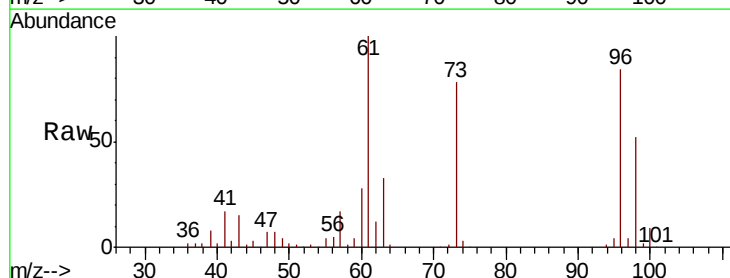


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

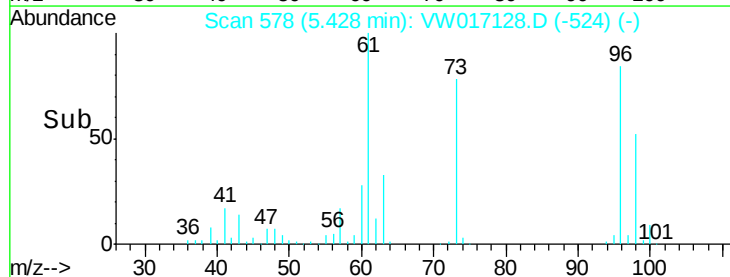
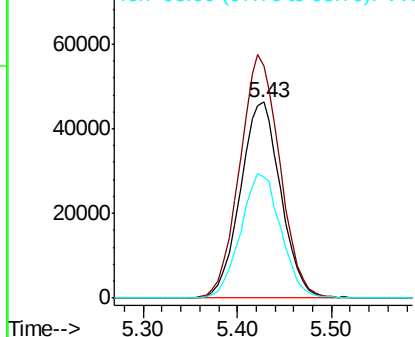


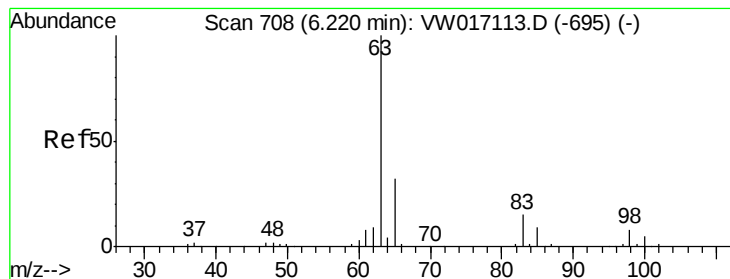
#18
trans-1,2-Dichloroethene
Concen: 23.484 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

Tgt Ion: 96 Resp: 139095
Ion Ratio Lower Upper
96 100
61 118.6 86.8 161.2
98 61.8 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: 24.308 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

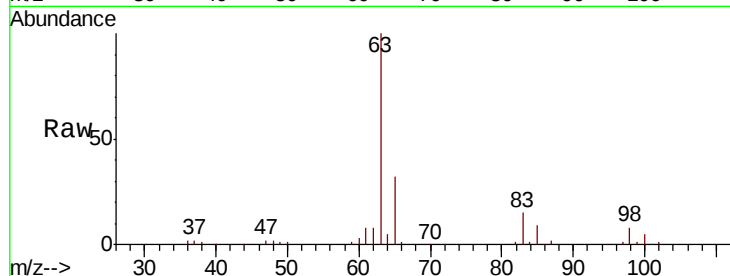
Tot Ion: 63 Resp: 228100

Ion Ratio Lower Upper

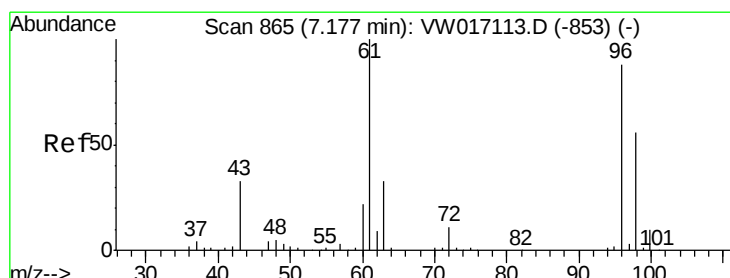
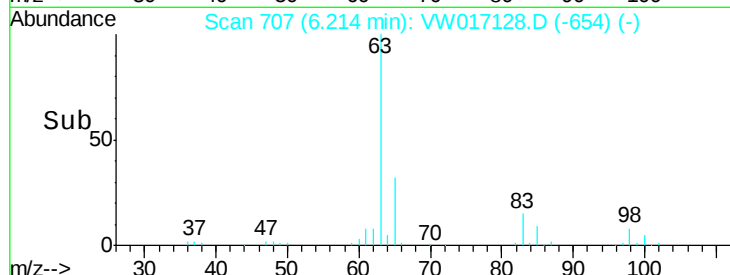
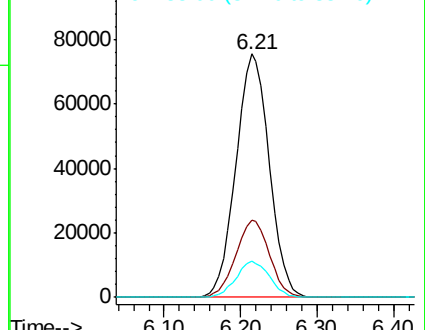
63 100

65 31.6 22.1 41.1

83 14.8 10.0 18.6



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



#21

2-Butanone

Concen: 38.697 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017128.D

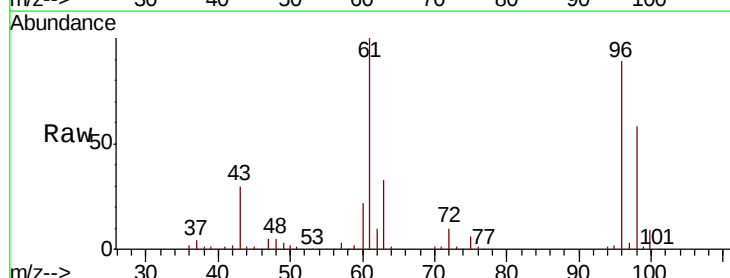
Acq: 10 Nov 2020 09:37

Tgt Ion: 43 Resp: 54024

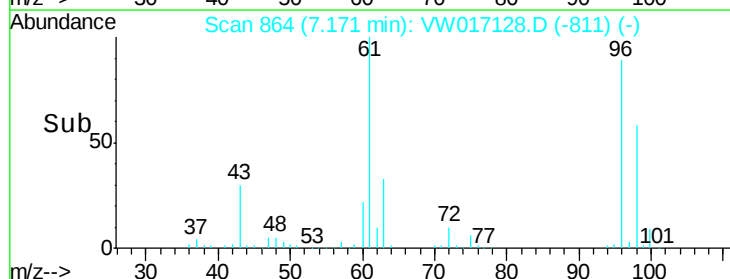
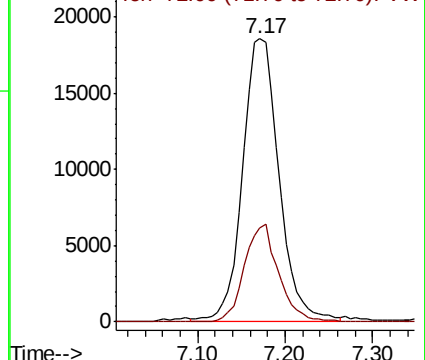
Ion Ratio Lower Upper

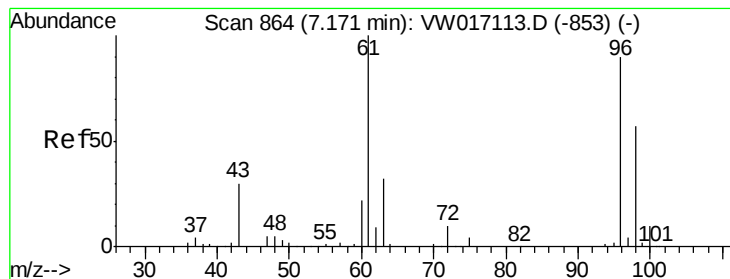
43 100

72 31.9 16.1 48.3



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



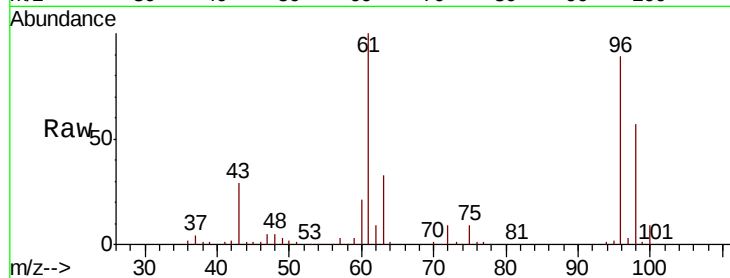


#22

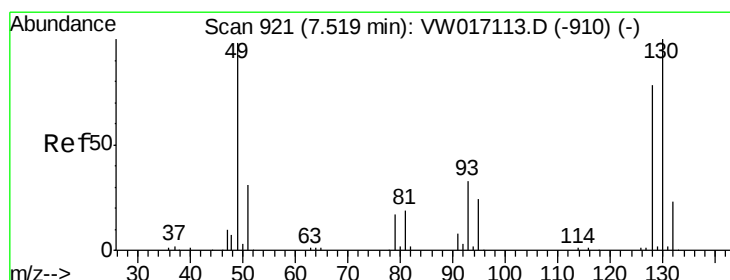
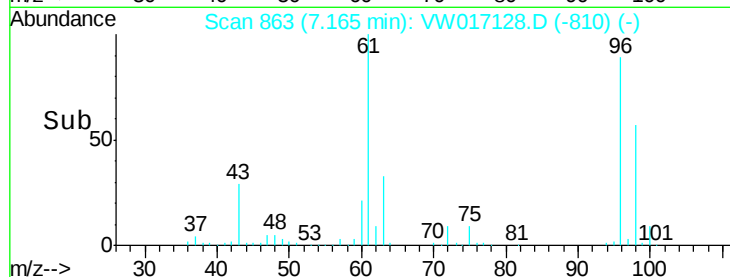
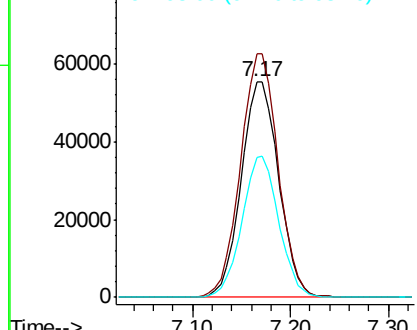
cis-1,2-Dichloroethene
Concen: 23.648 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Tot Ion: 96 Resp: 148089
Ion Ratio Lower Upper
96 100
61 112.7 77.4 143.8
98 64.6 45.1 83.7



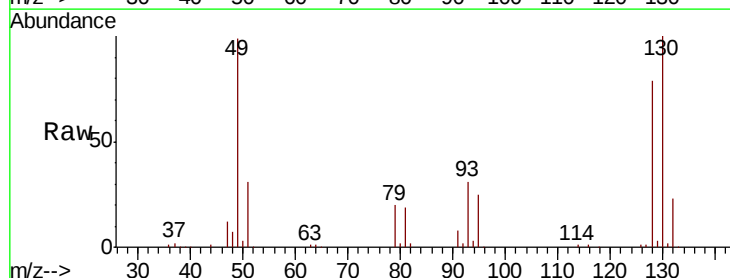
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



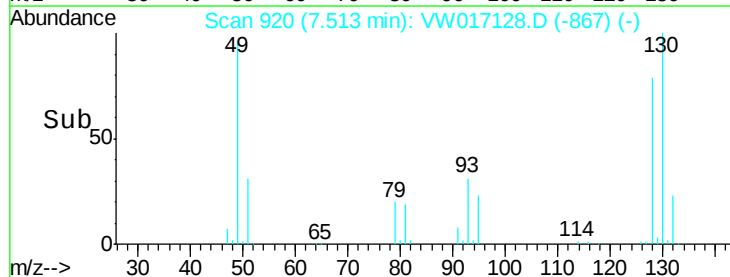
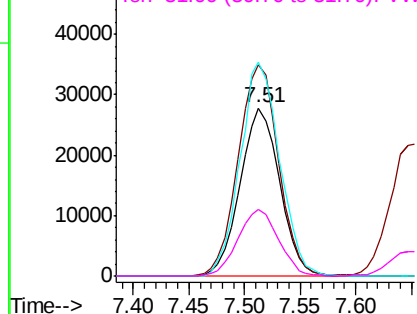
#23

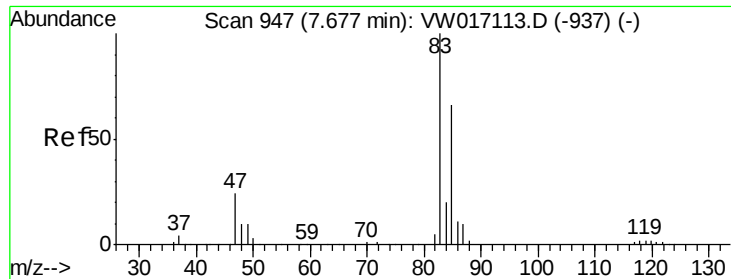
Bromochloromethane
Concen: 22.817 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

Tgt Ion: 128 Resp: 68797
Ion Ratio Lower Upper
128 100
49 125.8 88.3 163.9
130 127.3 95.6 177.6
51 40.0 32.2 48.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

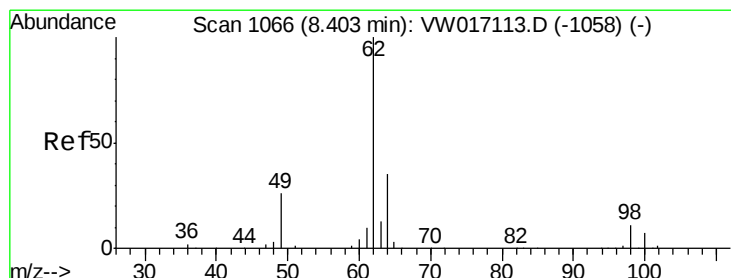
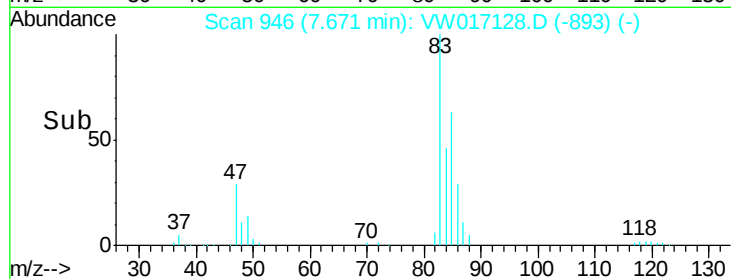
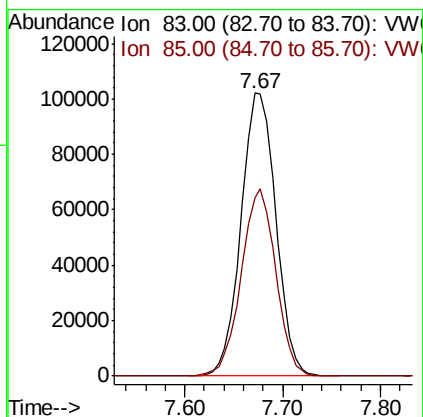
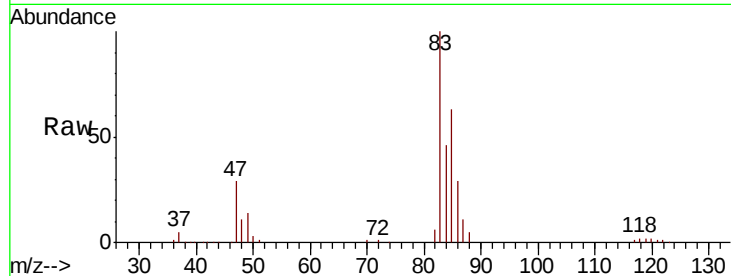




#25
Chloroform
Concen: 24.816 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

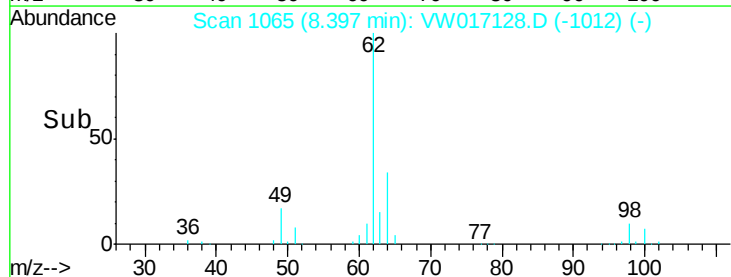
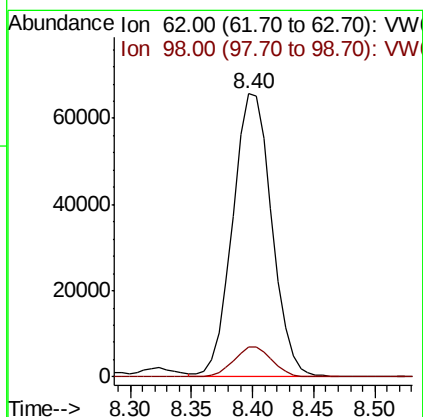
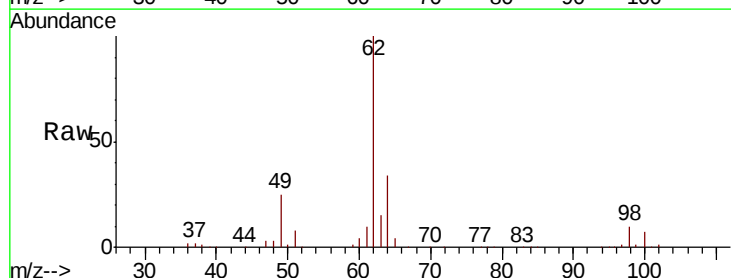
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

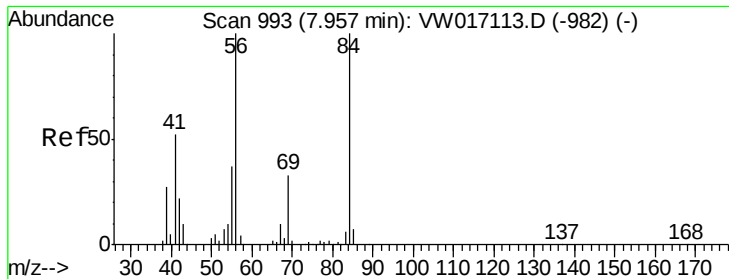
Tot Ion: 83 Resp: 253532
Ion Ratio Lower Upper
83 100
85 65.8 46.4 86.2



#27
1,2-Dichloroethane
Concen: 23.725 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

Tgt Ion: 62 Resp: 145253
Ion Ratio Lower Upper
62 100
98 10.5 9.4 14.0

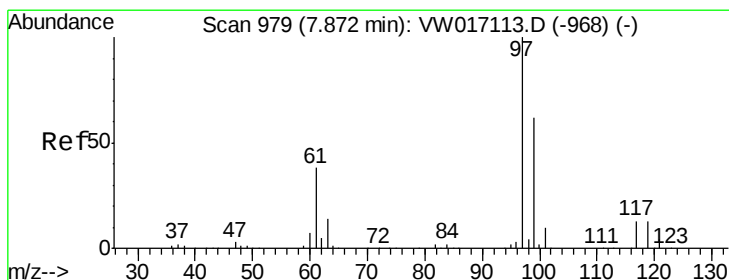
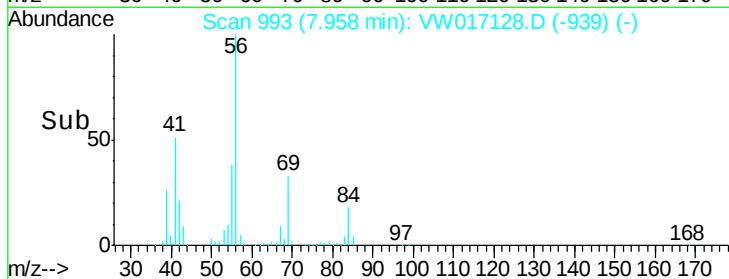
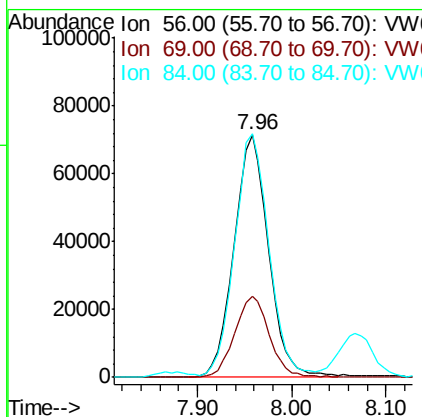
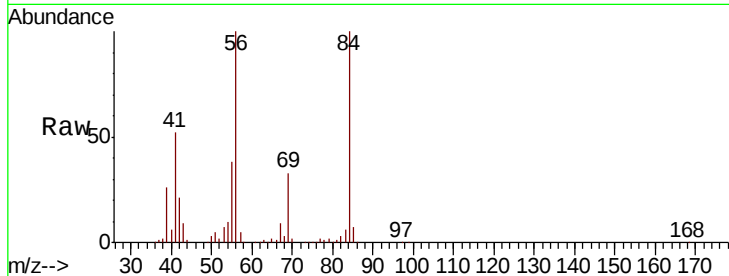




#30
Cvclohexane
Concen: 22.900 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

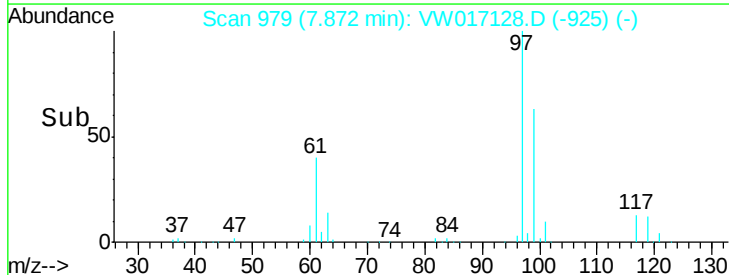
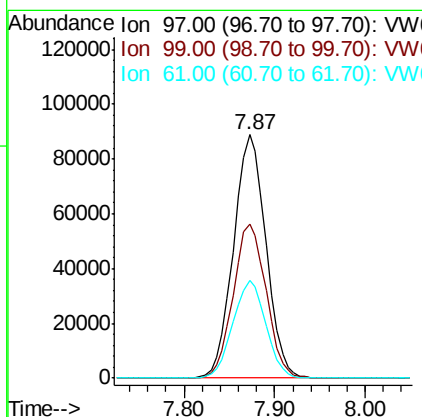
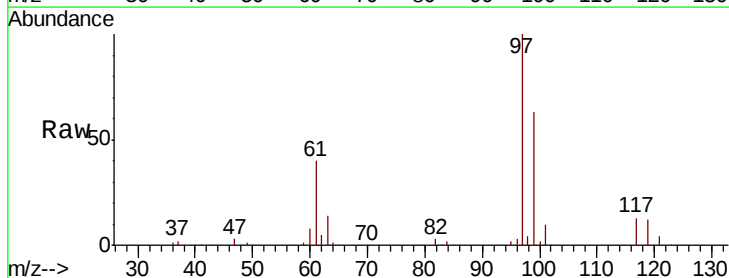
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

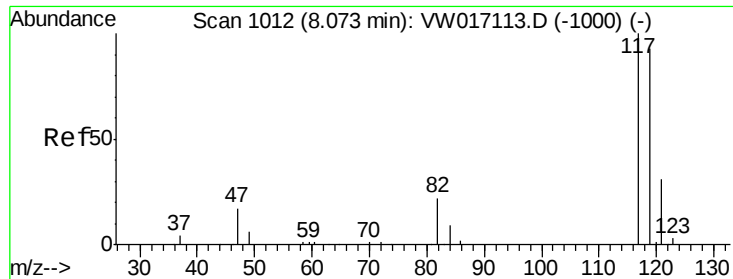
Tot Ion: 56 Resp: 182641
Ion Ratio Lower Upper
56 100
69 33.3 26.1 39.1
84 99.5 79.1 118.7



#31
1,1,1-Trichloroethane
Concen: 25.390 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

Tgt Ion: 97 Resp: 220243
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 40.7 31.6 47.4





#32

Carbon tetrachloride

Concen: 25.426 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

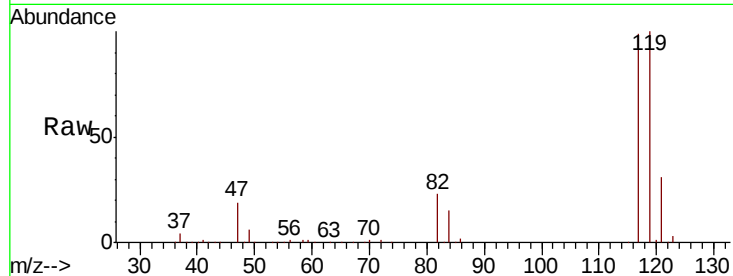
VSTD02520

Tot Ion:117 Resp: 212826

Ion Ratio Lower Upper

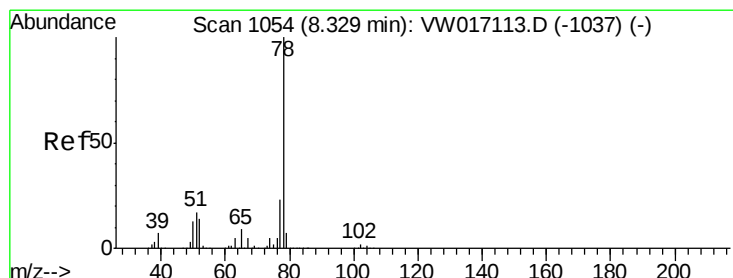
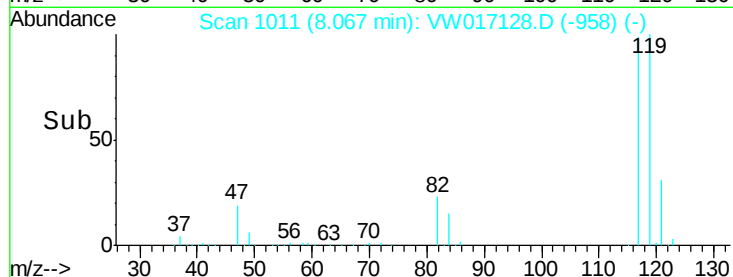
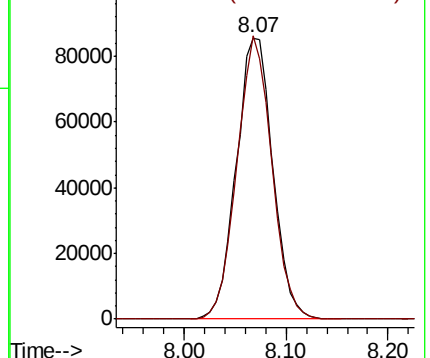
117 100

119 96.0 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.920 ug/L

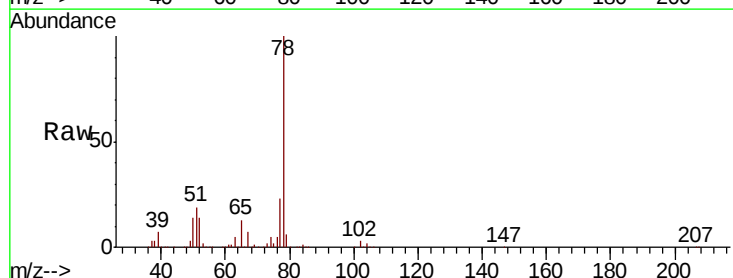
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

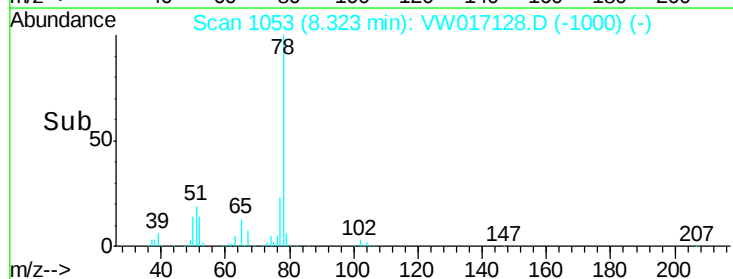
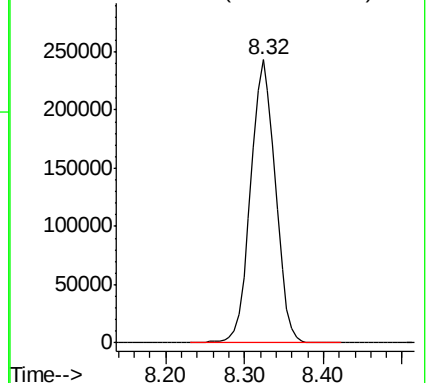
Lab File: VW017128.D

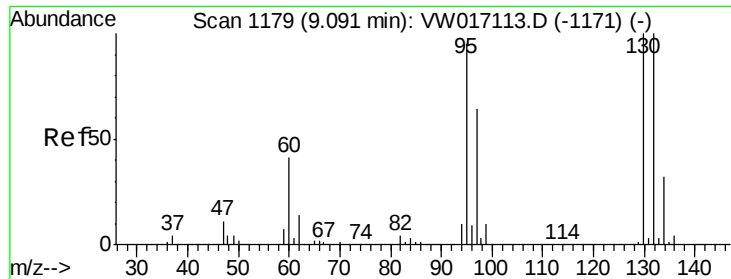
Acq: 10 Nov 2020 09:37

Tgt Ion: 78 Resp: 532039



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.624 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

Tot Ion: 95 Resp: 147197

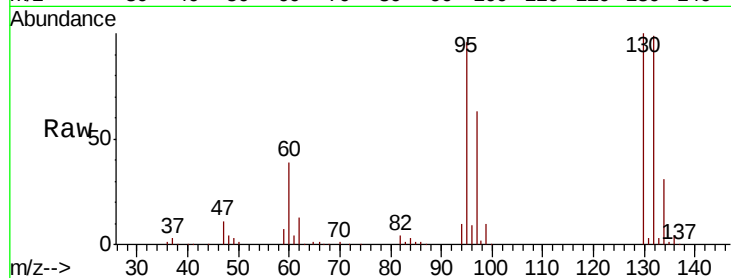
Ion Ratio Lower Upper

95 100

97 64.6 45.0 83.6

132 104.3 73.7 136.9

130 109.8 77.1 143.1

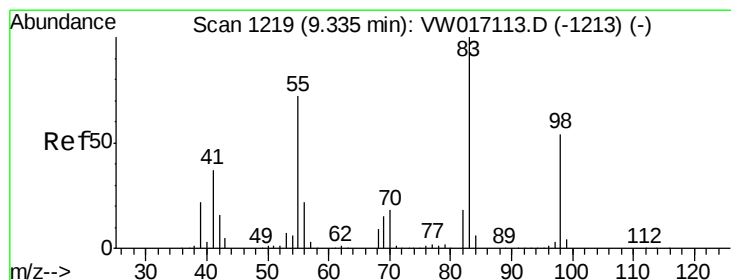
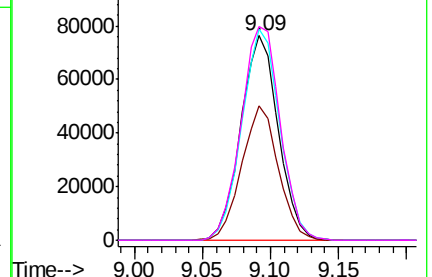
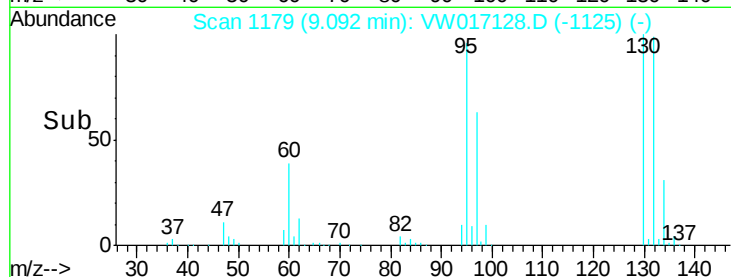


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.637 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

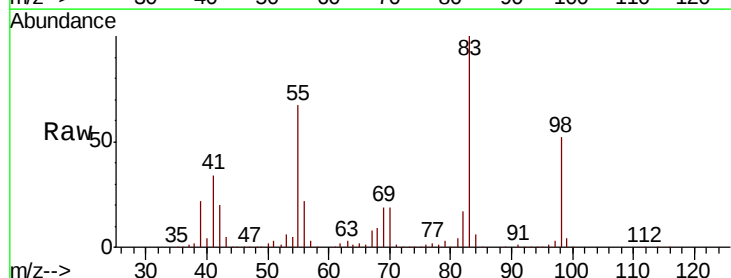
Tgt Ion: 83 Resp: 236987

Ion Ratio Lower Upper

83 100

55 67.8 54.4 81.6

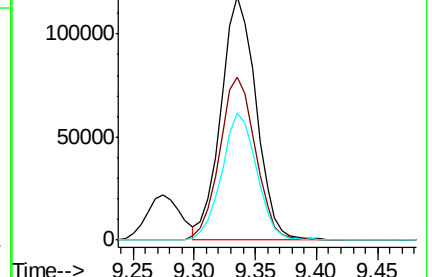
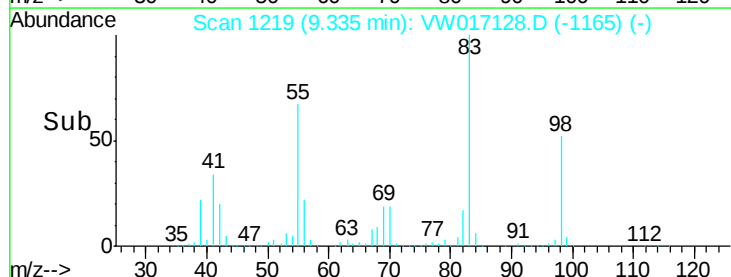
98 51.6 40.5 60.7

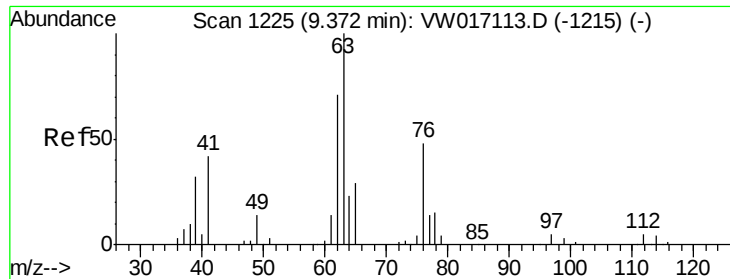


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 23.690 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleID :

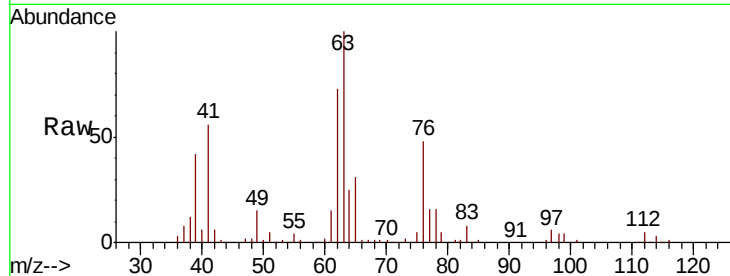
VSTD02520

Tot Ion: 63 Resp: 123174

Ion Ratio Lower Upper

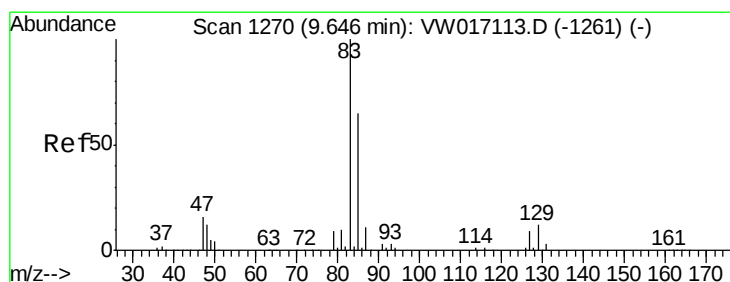
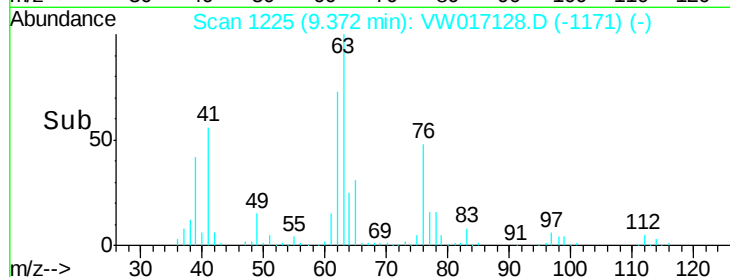
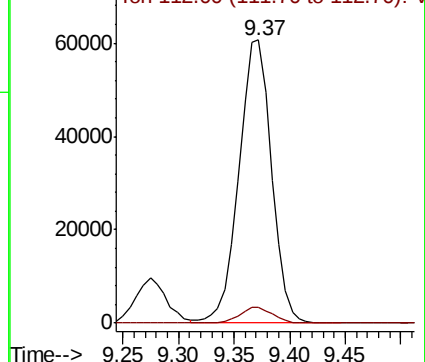
63 100

112 5.6 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.429 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

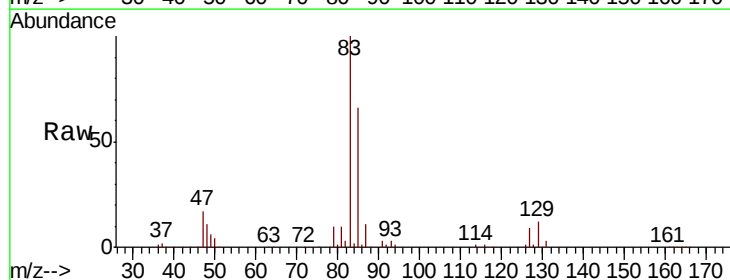
Tgt Ion: 83 Resp: 175674

Ion Ratio Lower Upper

83 100

85 65.6 44.4 82.4

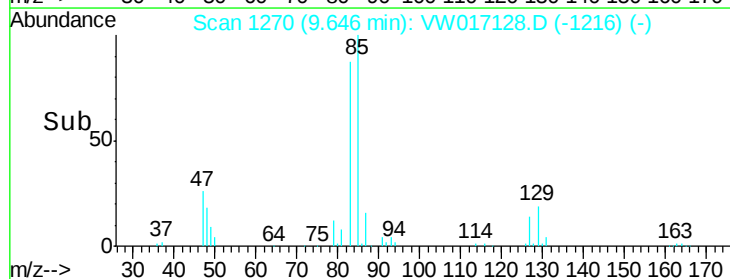
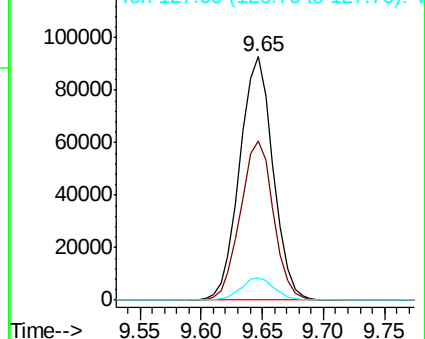
127 9.2 7.3 10.9

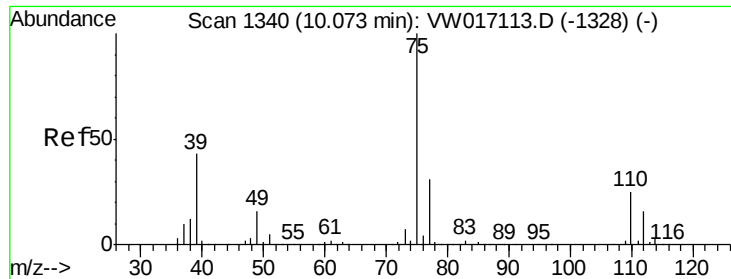


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

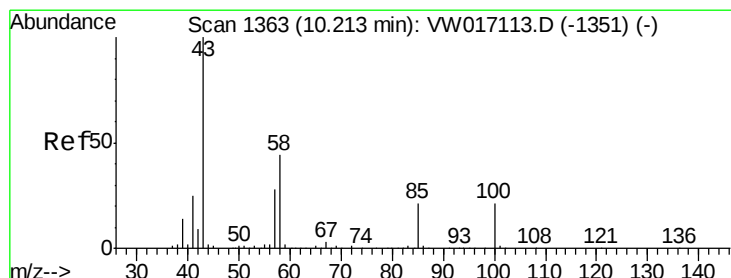
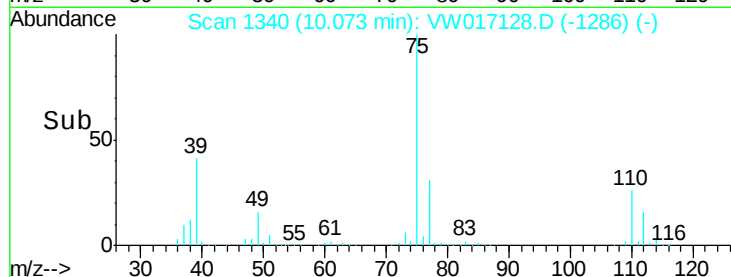
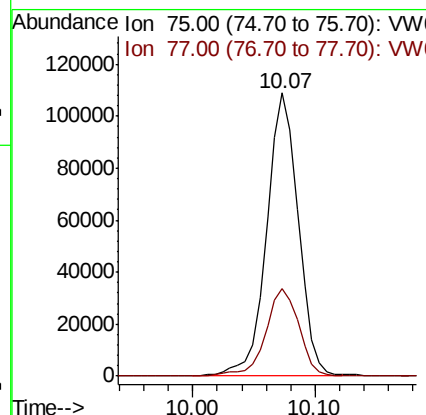
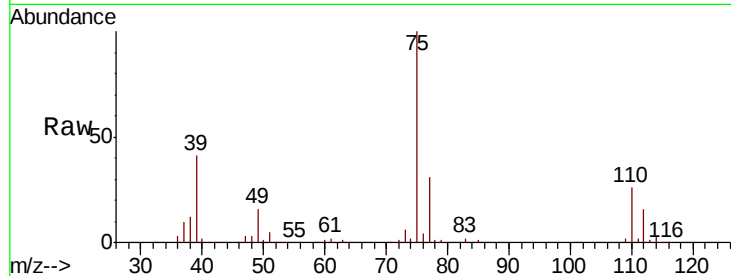




#42
 cis-1,3-Dichloropropene
 Concen: 23.800 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017128.D
 Acq: 10 Nov 2020 09:37

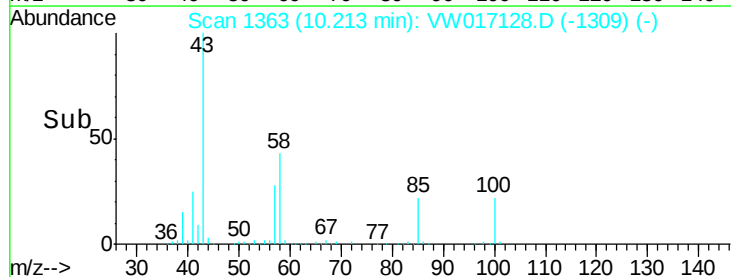
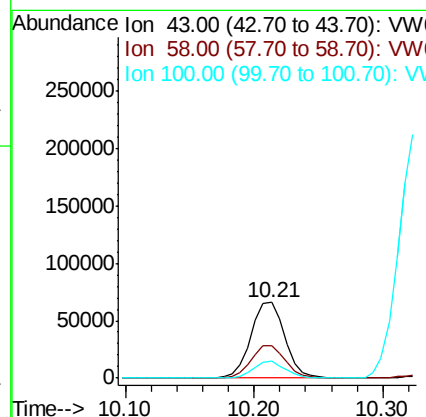
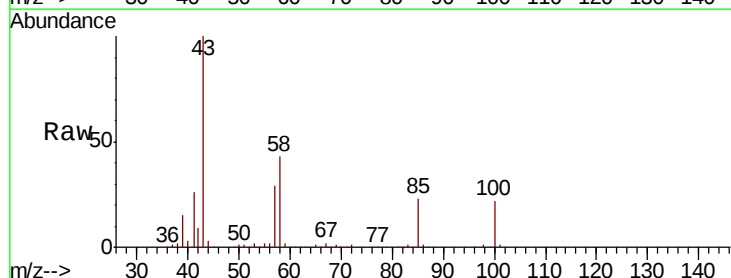
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

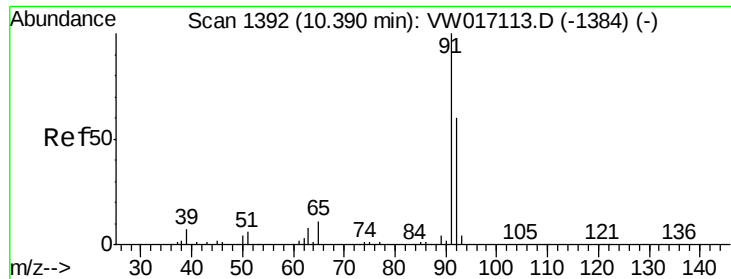
Tot Ion: 75 Resp: 196011
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 37.394 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017128.D
 Acq: 10 Nov 2020 09:37

Tgt Ion: 43 Resp: 119956
 Ion Ratio Lower Upper
 43 100
 58 42.6 35.0 52.6
 100 20.5 16.6 24.8





#44

Toluene

Concen: 24.515 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

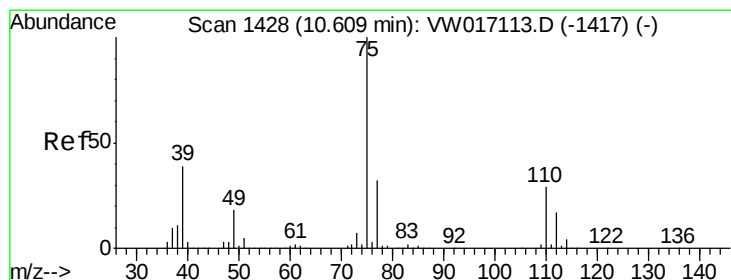
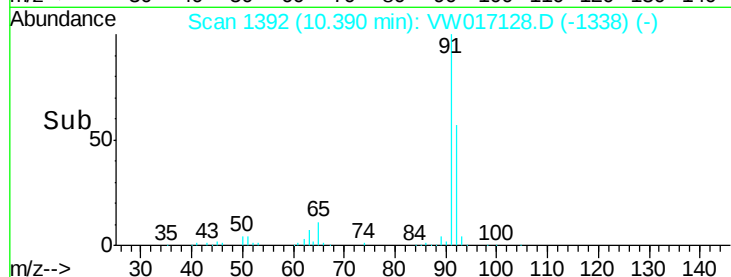
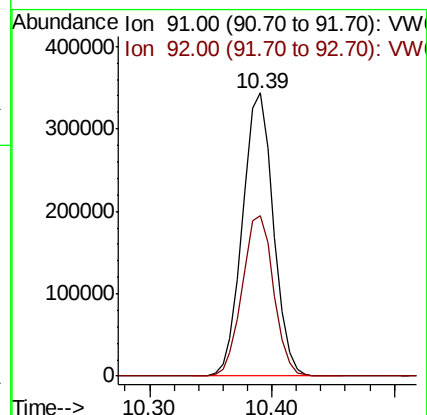
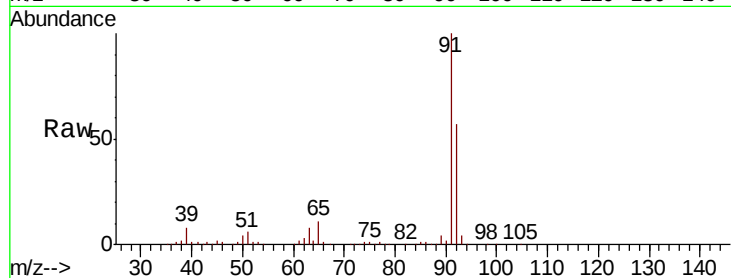
VSTD02520

Tot Ion: 91 Resp: 600204

Ion Ratio Lower Upper

91 100

92 56.8 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 23.876 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017128.D

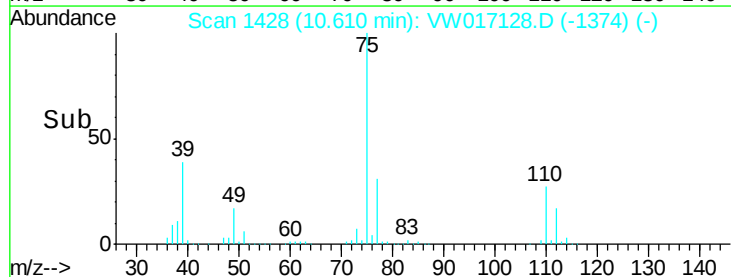
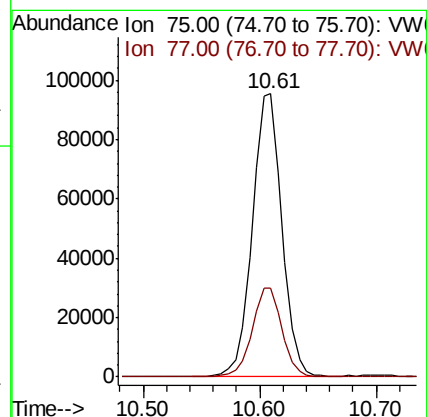
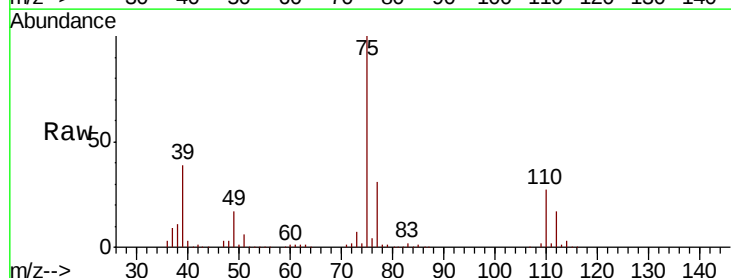
Acq: 10 Nov 2020 09:37

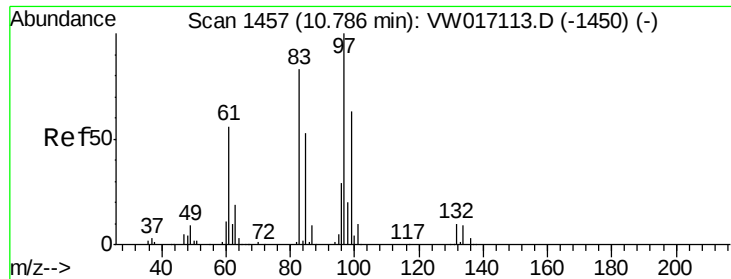
Tgt Ion: 75 Resp: 168865

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 22.380 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

Tot Ion: 97 Resp: 100329

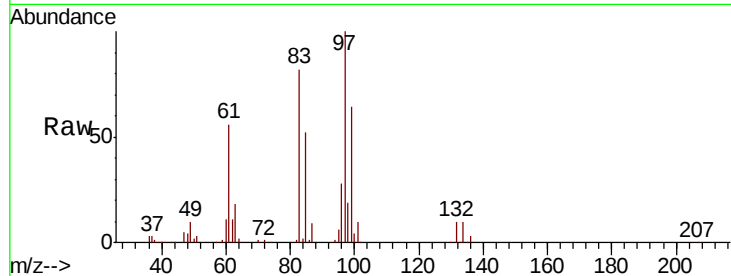
Ion	Ratio	Lower	Upper
97	100		
83	82.3	57.3	106.5
85	52.2	37.2	69.0
99	63.8	45.7	84.9

97 100

83 82.3 57.3 106.5

85 52.2 37.2 69.0

99 63.8 45.7 84.9



Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

10.79

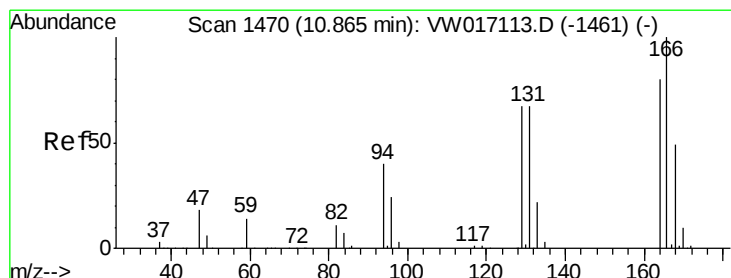
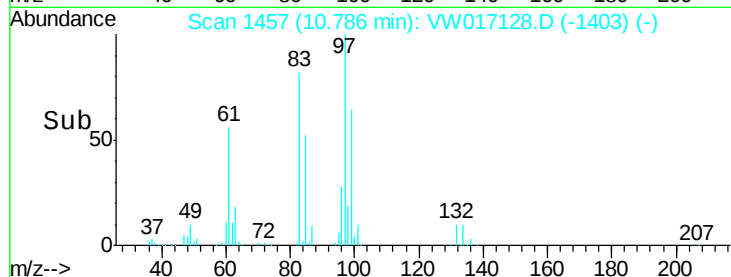
60000

40000

20000

0

Time--> 10.70 10.75 10.80 10.85



#47

Tetrachloroethene

Concen: 23.206 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Tgt Ion: 164 Resp: 130452

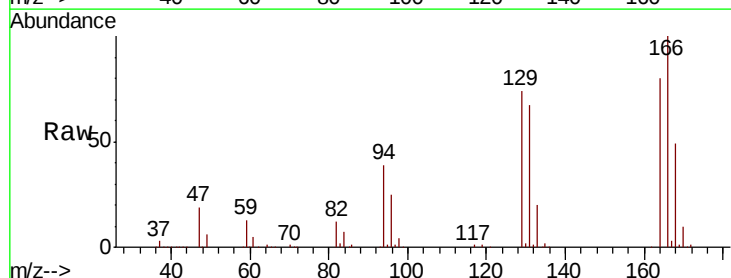
Ion	Ratio	Lower	Upper
164	100		
129	91.8	62.9	116.7
131	83.9	63.3	117.5
166	124.6	92.0	170.8

164 100

129 91.8 62.9 116.7

131 83.9 63.3 117.5

166 124.6 92.0 170.8



Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

10.87

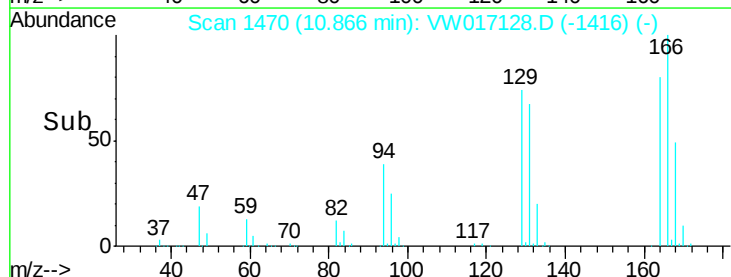
150000

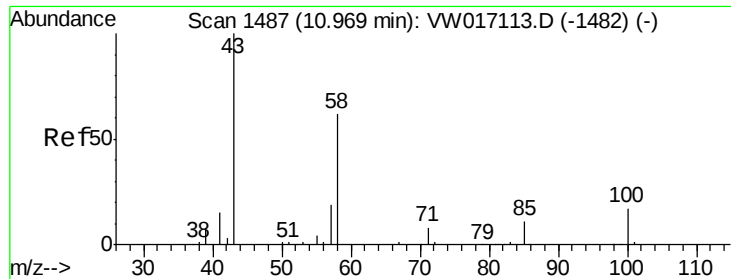
100000

50000

0

Time--> 10.80 10.85 10.90





#49

2-Hexanone

Concen: 41.477 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

Tot Ion: 43 Resp: 80215

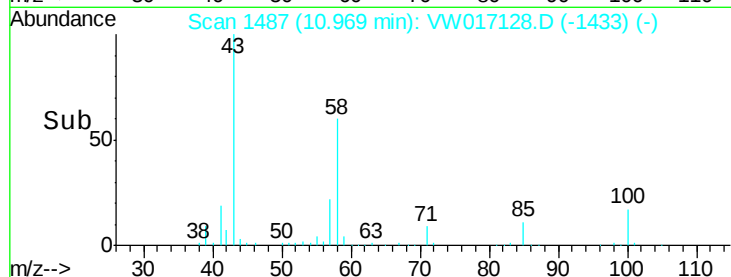
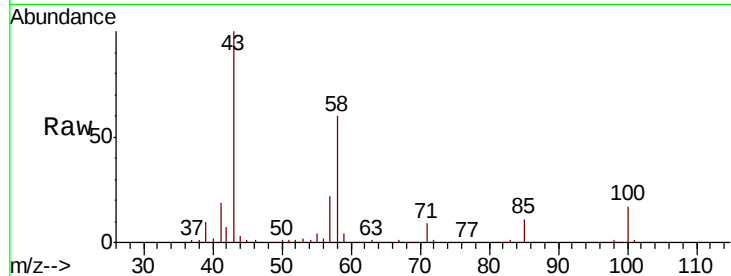
Ion Ratio Lower Upper

43 100

58 60.3 50.6 75.8

57 21.9 17.8 26.6

100 16.7 13.9 20.9

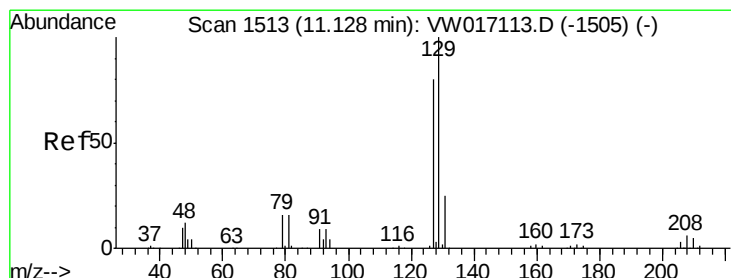
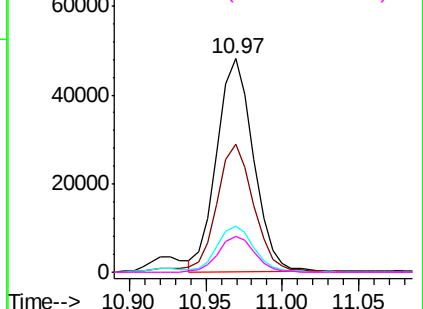


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 23.084 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017128.D

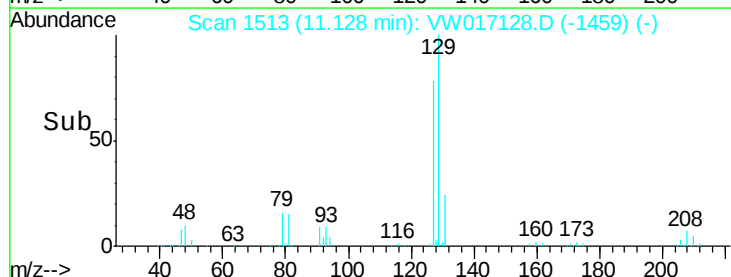
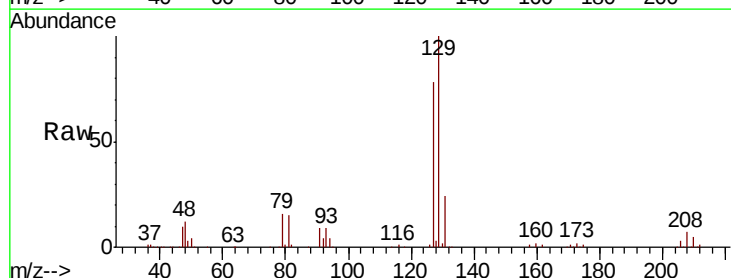
Acq: 10 Nov 2020 09:37

Tgt Ion:129 Resp: 126076

Ion Ratio Lower Upper

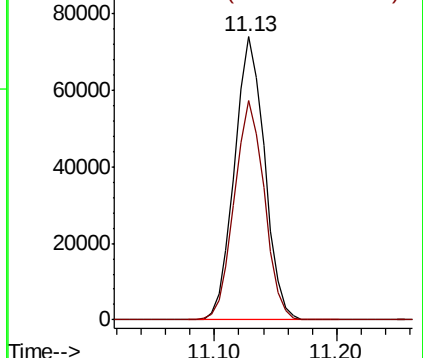
129 100

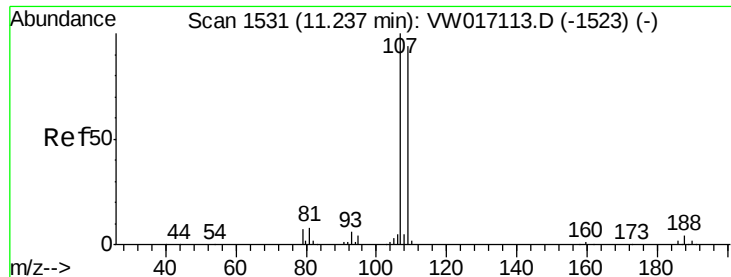
127 77.6 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 21.979 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

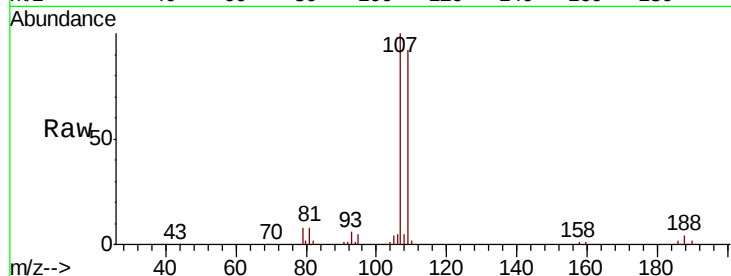
Tot Ion:107 Resp: 95721

Ion Ratio Lower Upper

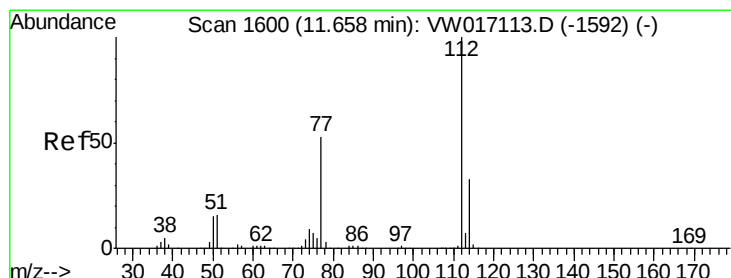
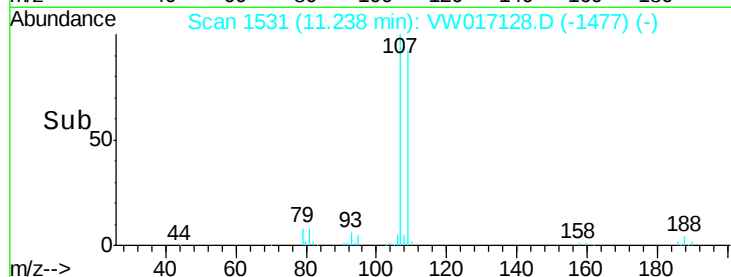
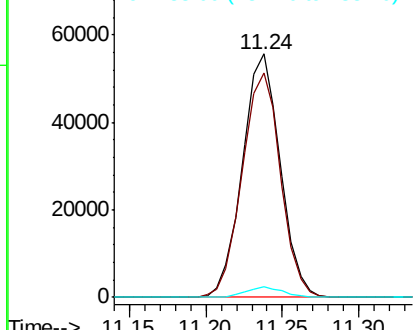
107 100

109 92.1 64.3 119.5

188 4.2 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 23.725 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

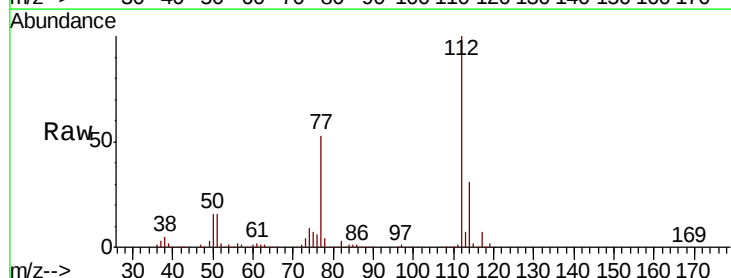
Tgt Ion:112 Resp: 392864

Ion Ratio Lower Upper

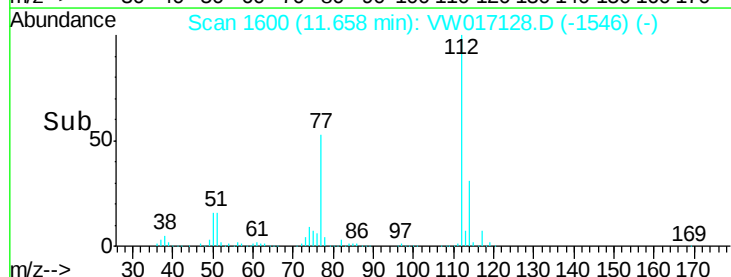
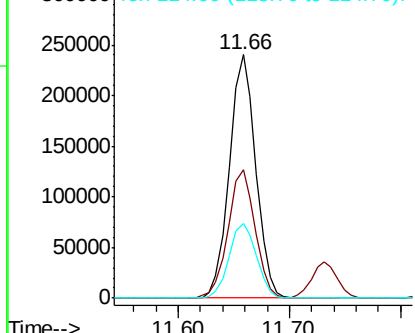
112 100

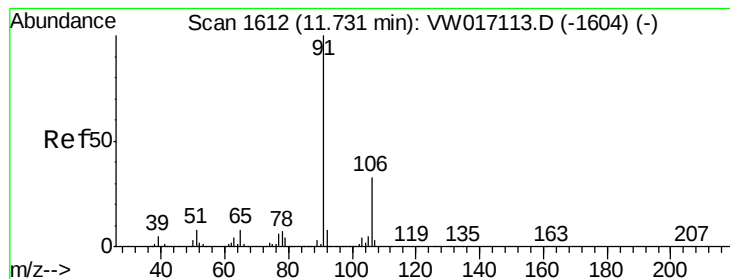
77 52.5 41.7 62.5

114 30.8 22.3 41.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.661 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

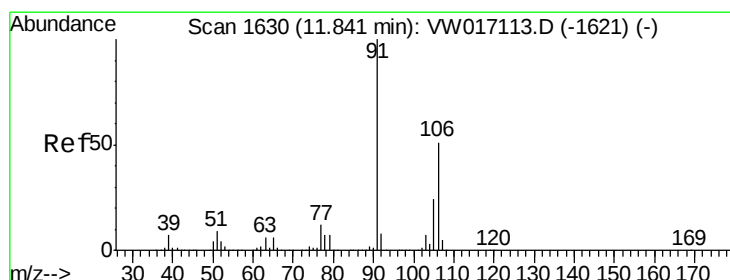
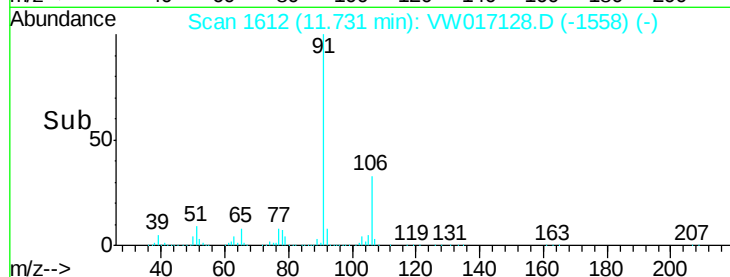
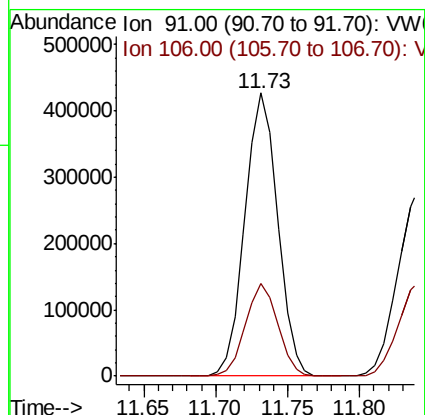
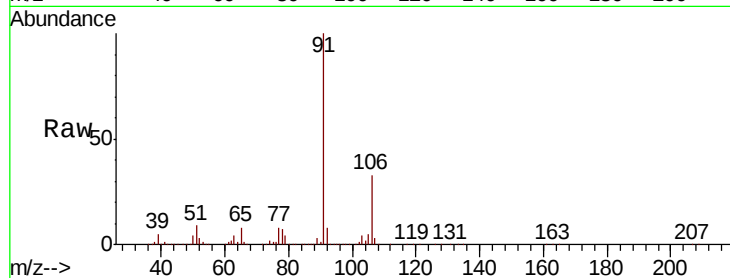
VSTD02520

Tot Ion: 91 Resp: 674397

Ion Ratio Lower Upper

91 100

106 32.6 22.9 42.5



#54

m,p-Xylene

Concen: 24.417 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017128.D

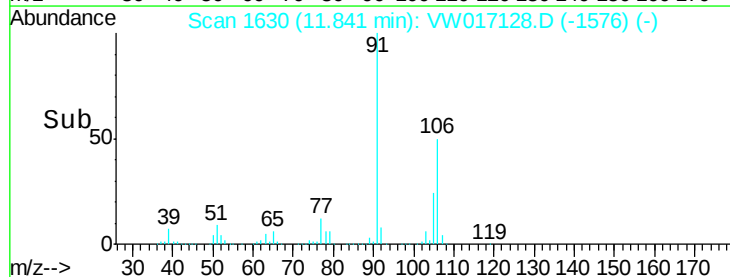
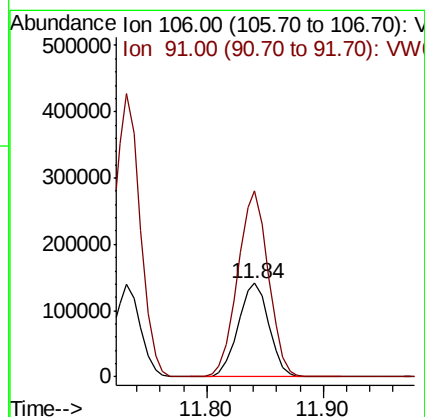
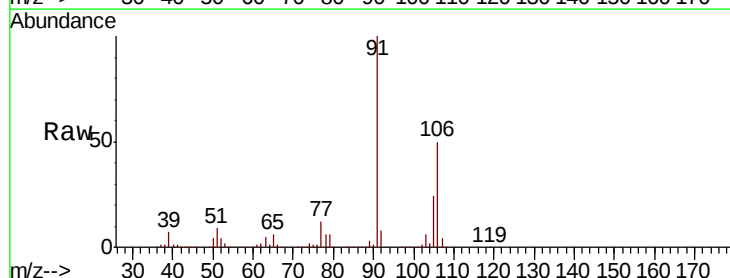
Acq: 10 Nov 2020 09:37

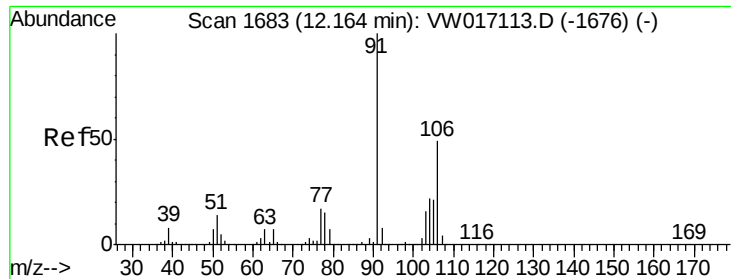
Tgt Ion: 106 Resp: 261199

Ion Ratio Lower Upper

106 100

91 198.5 138.7 257.5

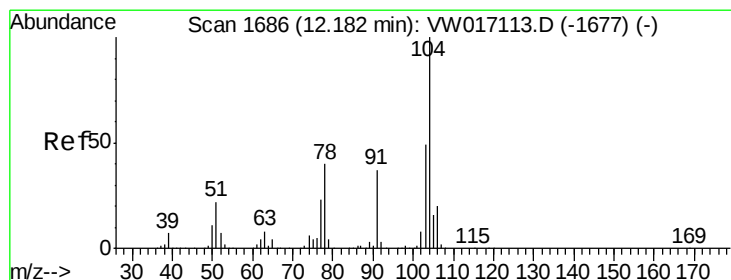
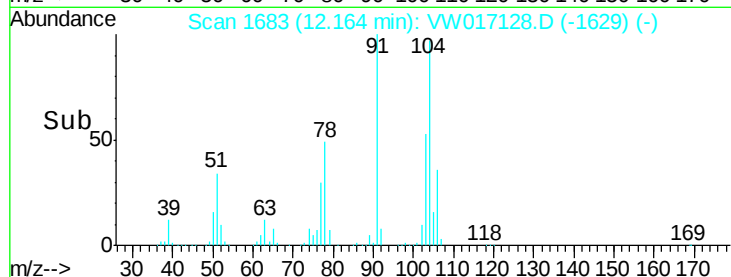
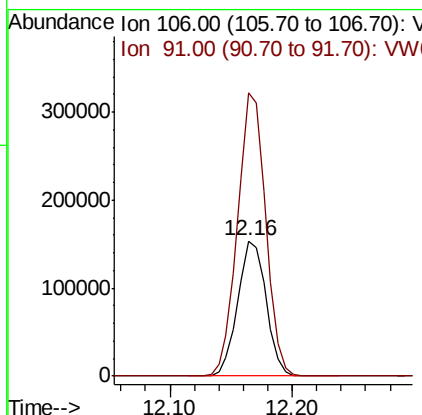
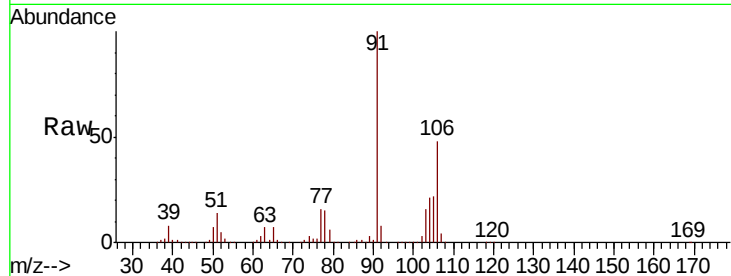




#55
o-xylene
Concen: 24.365 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

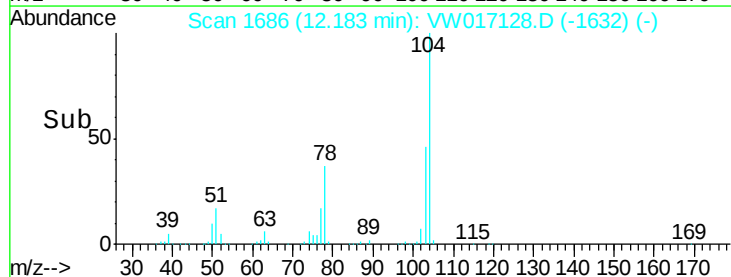
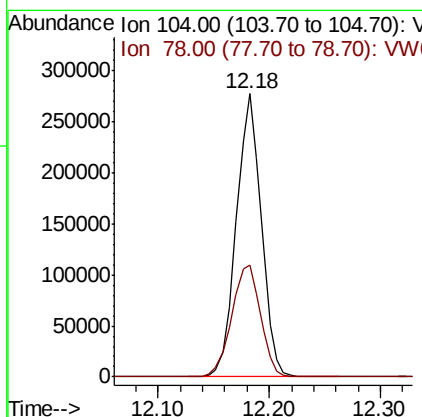
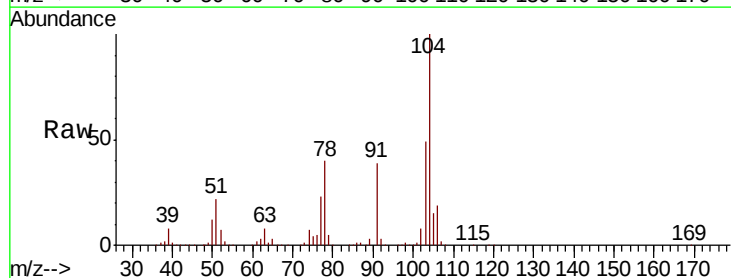
Instrument :
MSVOA_W
ClientSampled :
VSTD02520

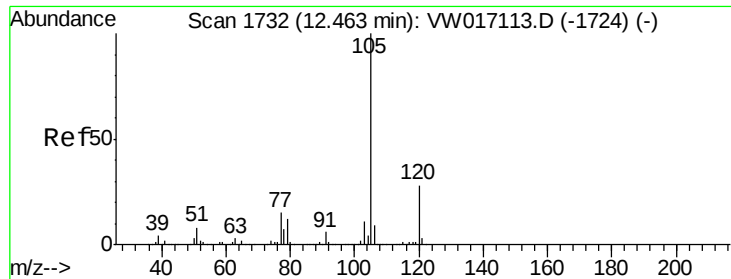
Tot Ion:106 Resp: 247396
Ion Ratio Lower Upper
106 100
91 209.0 140.8 261.4



#56
Styrene
Concen: 25.246 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

Tgt Ion:104 Resp: 430376
Ion Ratio Lower Upper
104 100
78 39.6 28.2 52.4





#57

Isopropylbenzene

Concen: 25.387 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

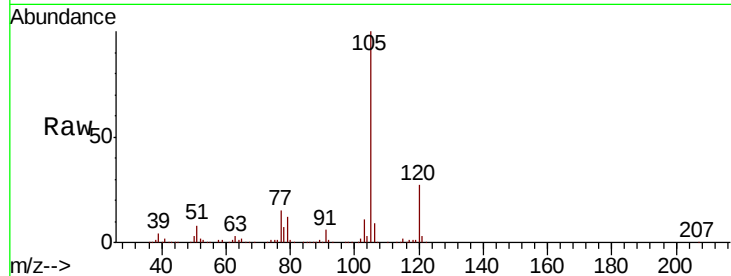
Tot Ion:105 Resp: 699563

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.6

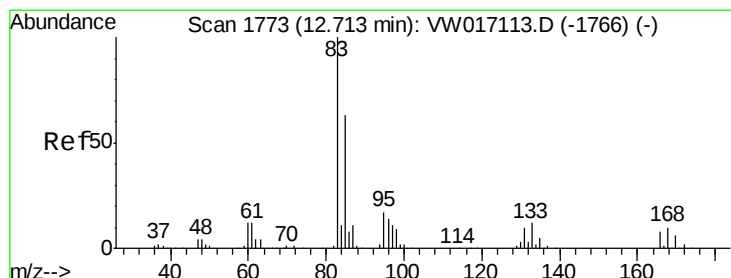
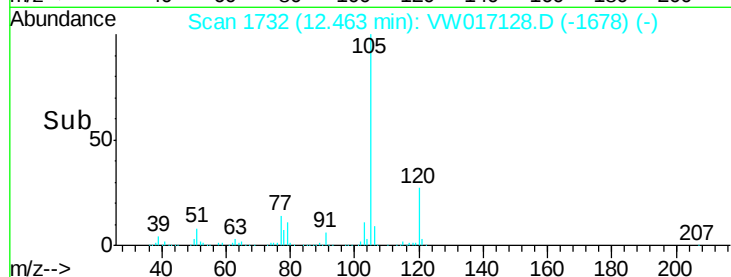
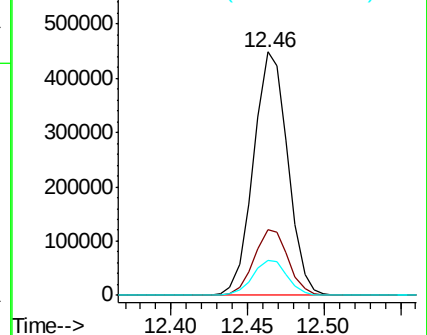
77 14.5 11.4 17.0



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: 21.733 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

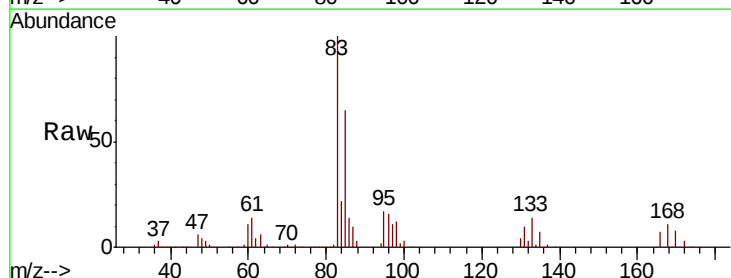
Tgt Ion: 83 Resp: 112551

Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.5

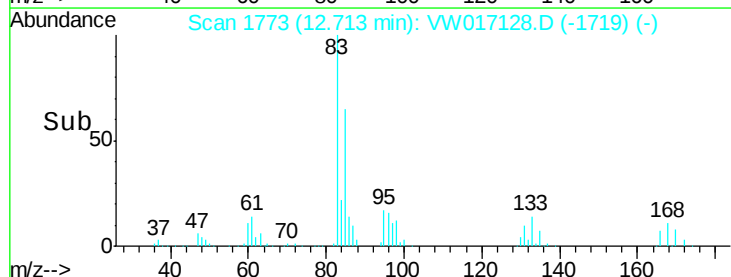
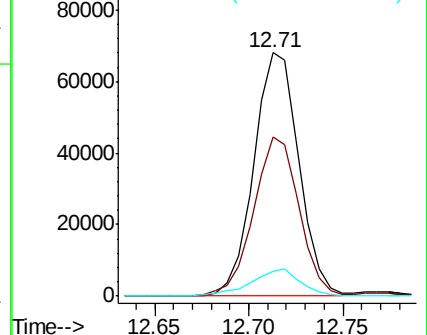
131 10.2 8.8 13.2

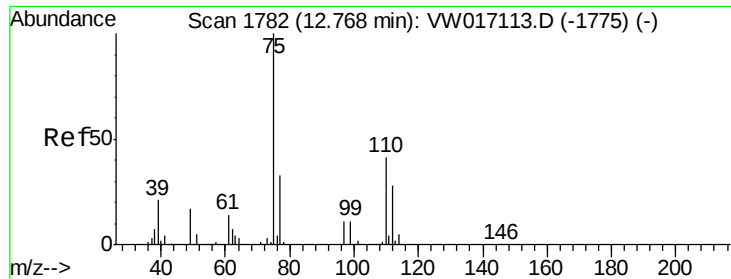


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

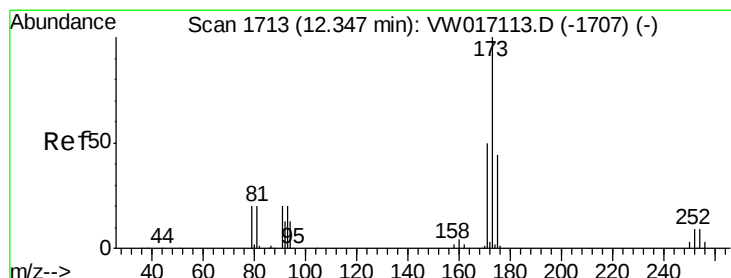
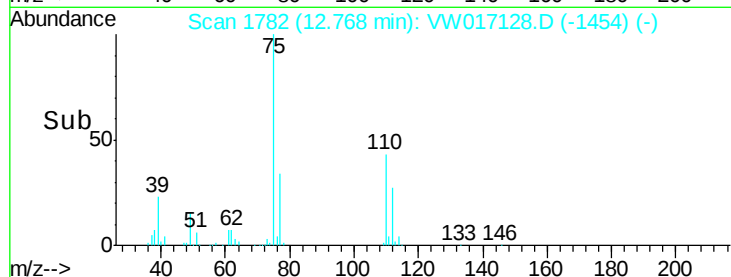
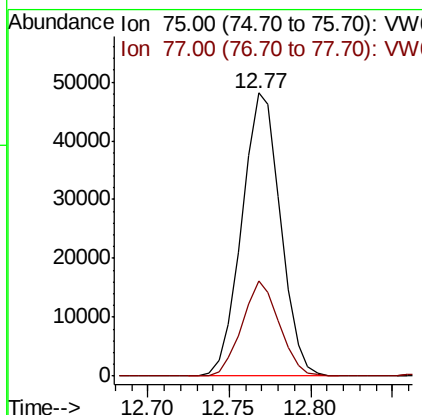
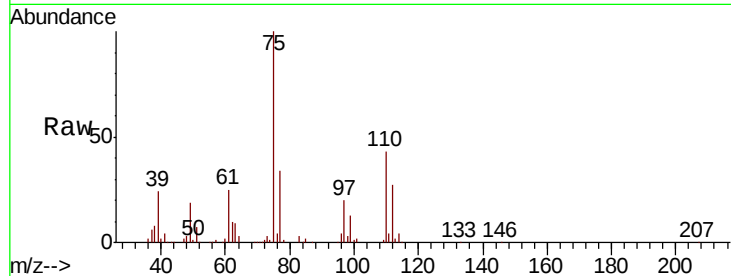




#59
 1,2,3-Trichloropropane
 Concen: 21.394 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017128.D
 Acq: 10 Nov 2020 09:37

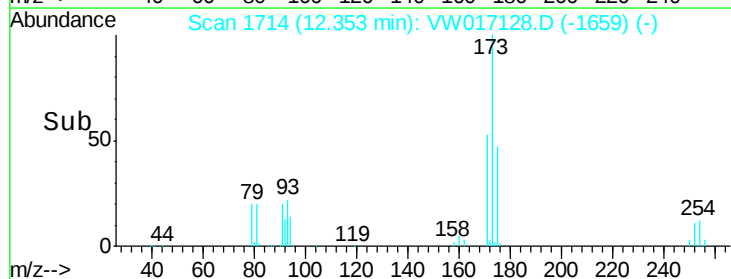
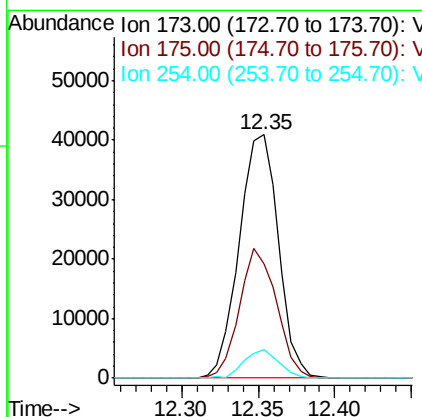
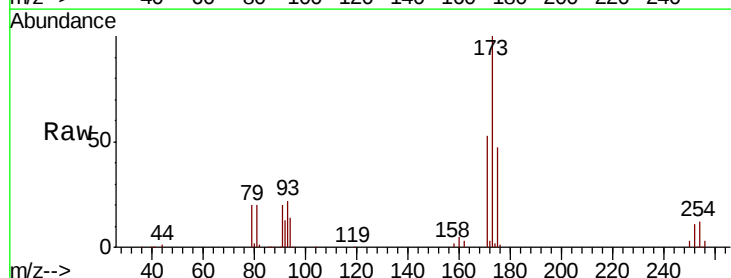
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

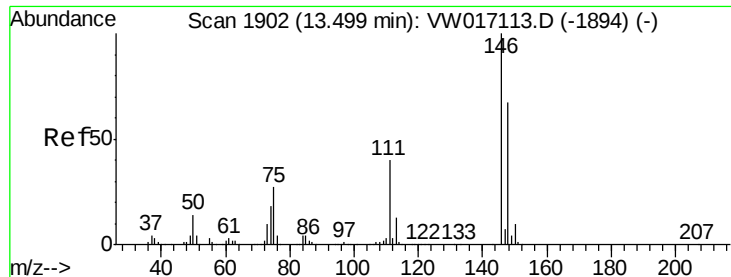
Tot Ion: 75 Resp: 79638
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.4 39.6



#62
 Bromoform
 Concen: 21.800 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017128.D
 Acq: 10 Nov 2020 09:37

Tgt Ion: 173 Resp: 73007
 Ion Ratio Lower Upper
 173 100
 175 50.3 38.3 57.5
 254 10.3 8.1 12.1

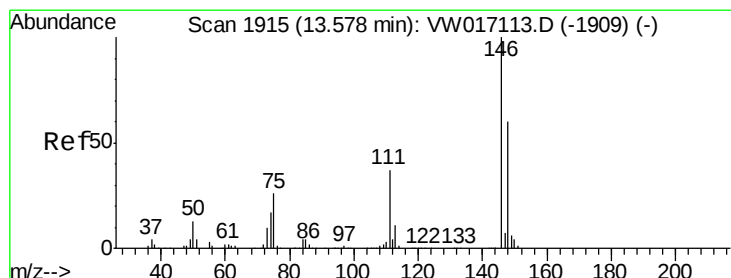
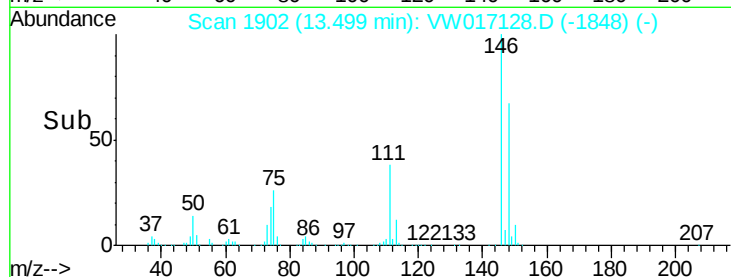
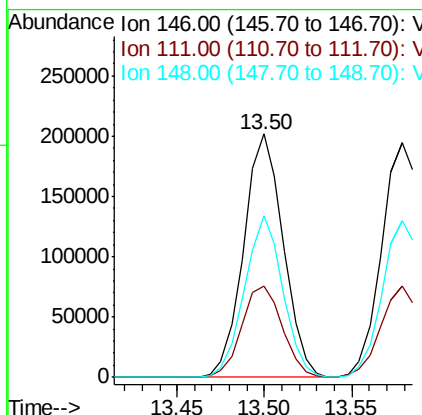
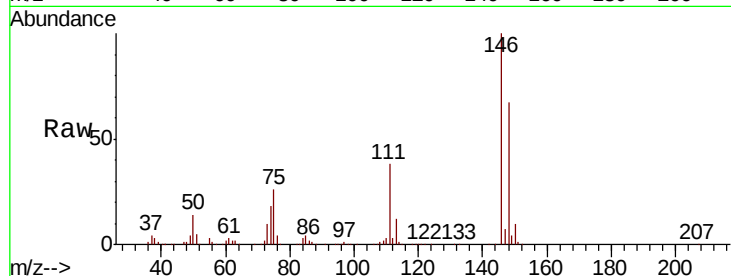




#63
 1,3-Dichlorobenzene
 Concen: 23.425 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017128.D
 Acq: 10 Nov 2020 09:37

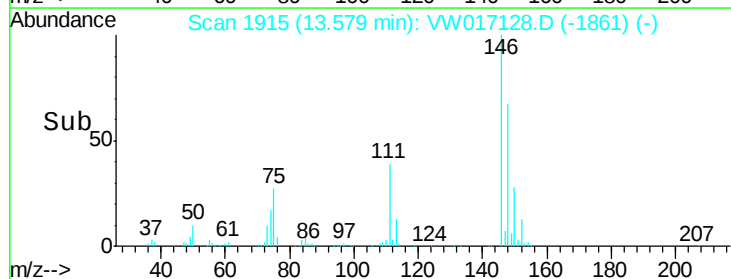
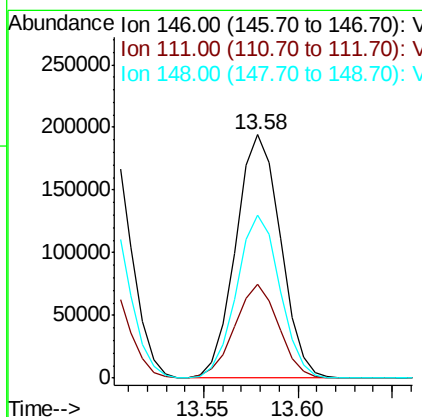
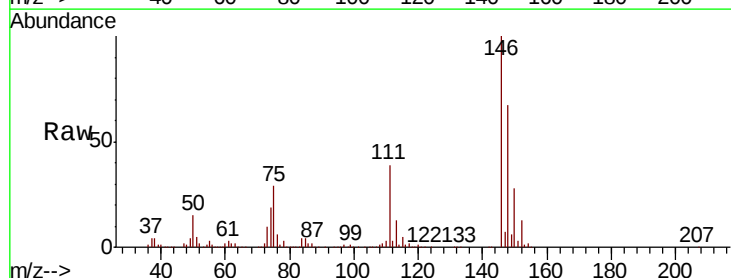
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02520

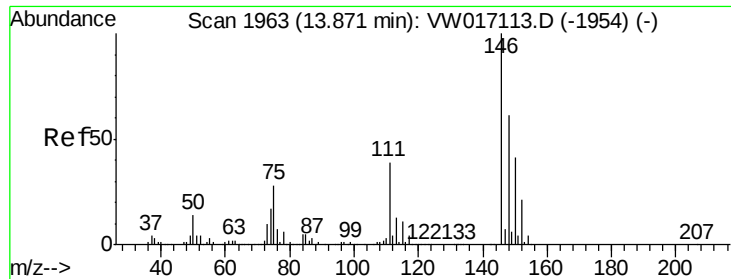
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.4	49.0
148	66.6	42.1	78.1



#64
 1,4-Dichlorobenzene
 Concen: 23.493 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017128.D
 Acq: 10 Nov 2020 09:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	24.5	45.5
148	67.0	45.5	84.5

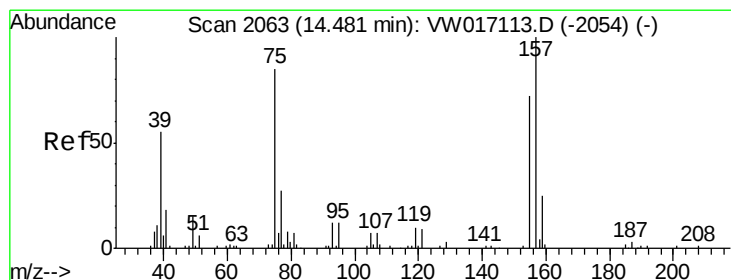
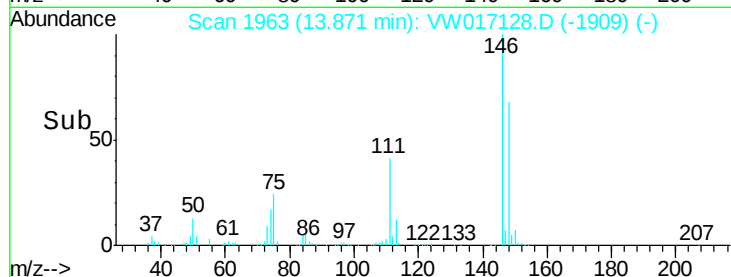
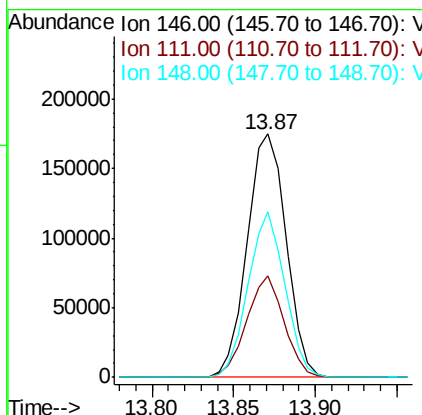
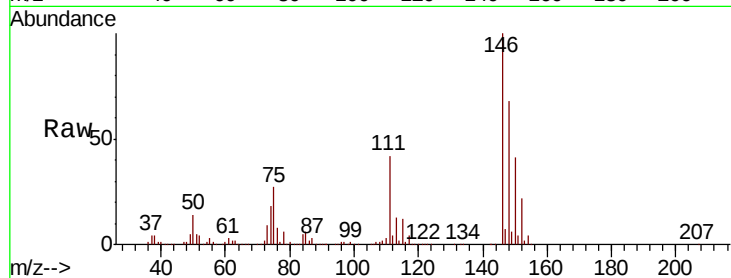




#65
1,2-Dichlorobenzene
Concen: 23.812 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

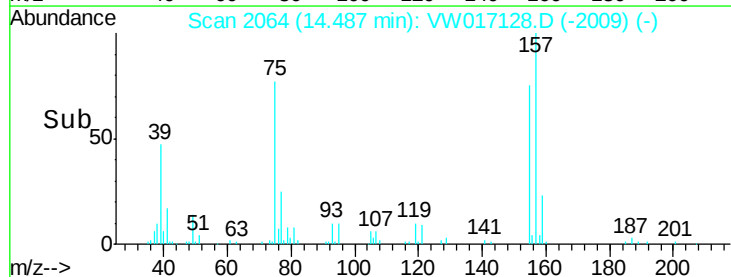
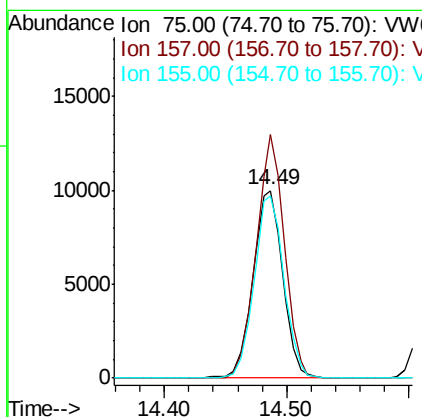
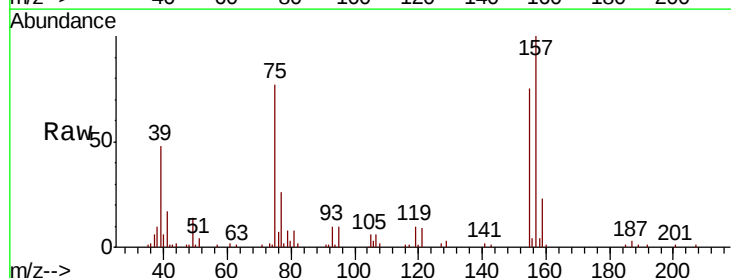
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

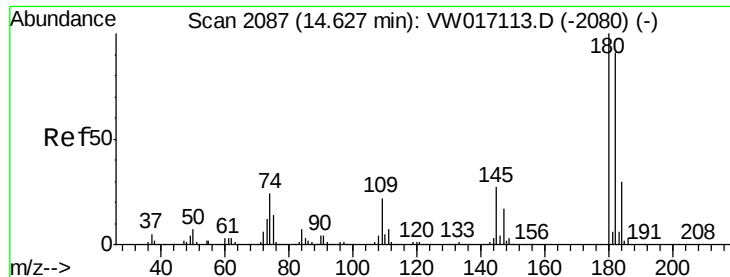
Tot Ion:146 Resp: 291429
Ion Ratio Lower Upper
146 100
111 41.7 30.5 45.7
148 67.8 50.3 75.5



#66
1,2-Dibromo-3-chloropropane
Concen: 20.854 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. 0.01 min
Lab File: VW017128.D
Acq: 10 Nov 2020 09:37

Tgt Ion: 75 Resp: 16875
Ion Ratio Lower Upper
75 100
157 129.7 108.2 162.4
155 97.2 79.1 118.7

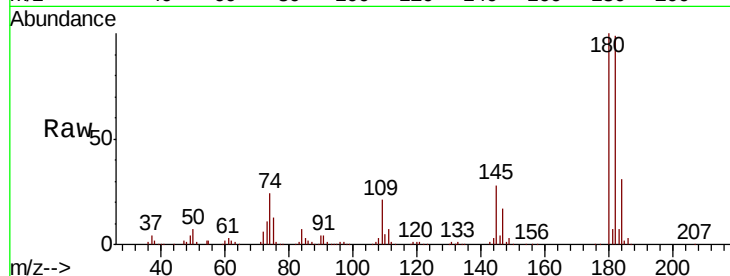




#67
 1,3,5-Trichlorobenzene
 Concen: 23.592 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017128.D
 Acq: 10 Nov 2020 09:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.2	115.8
184	31.8	24.2	36.4
145	29.2	23.5	35.3



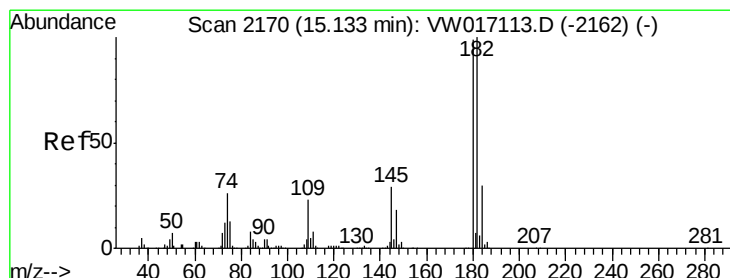
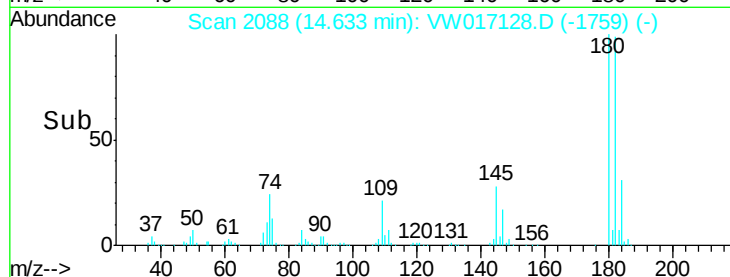
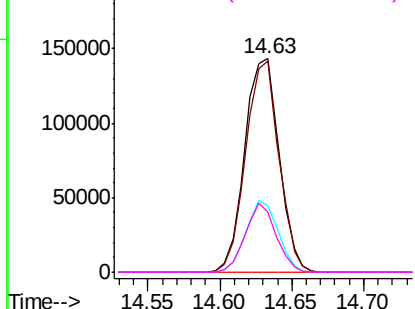
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

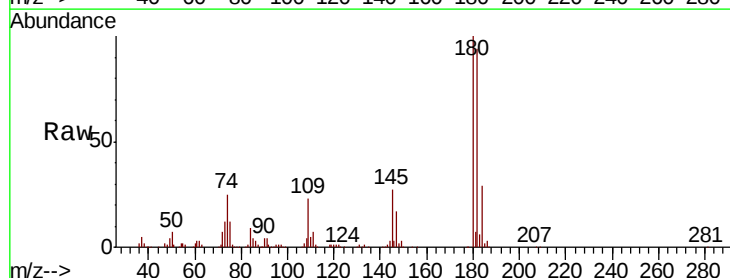
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.149 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017128.D
 Acq: 10 Nov 2020 09:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.7	115.1
145	28.5	23.6	35.4

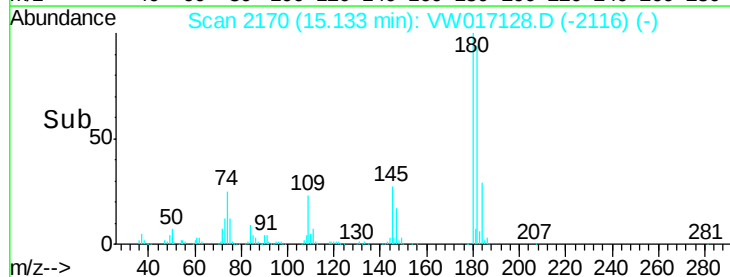
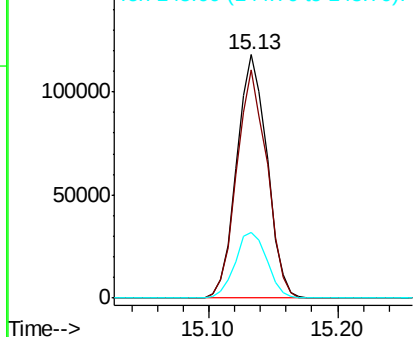


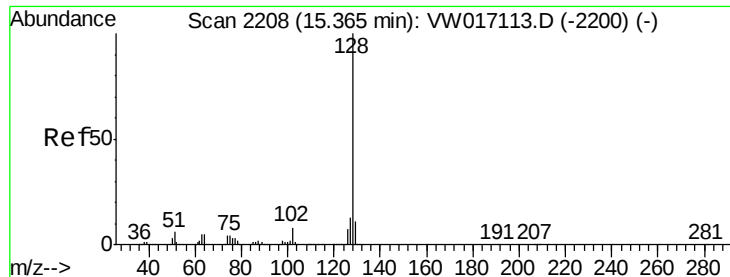
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 21.626 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

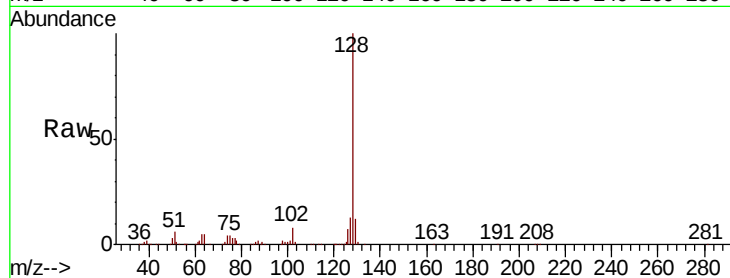
Tot Ion:128 Resp: 317630

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

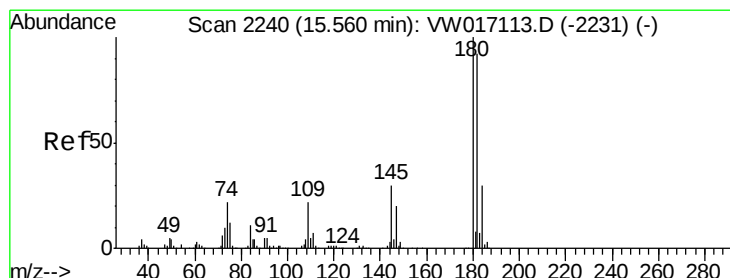
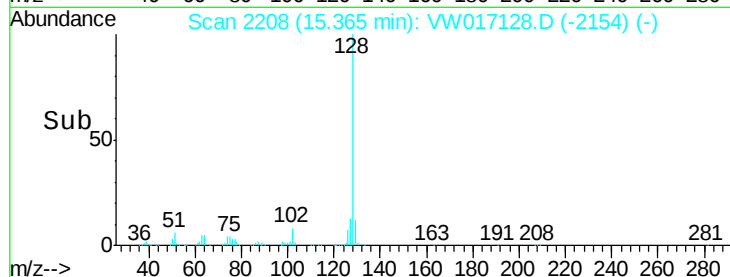
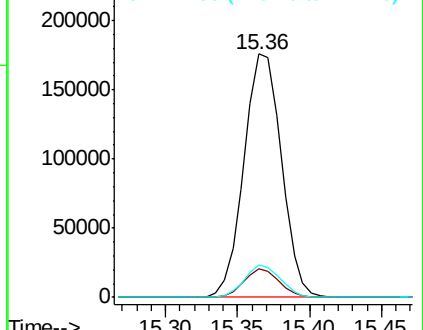
127 12.6 10.2 15.2



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: 22.739 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW017128.D

Acq: 10 Nov 2020 09:37

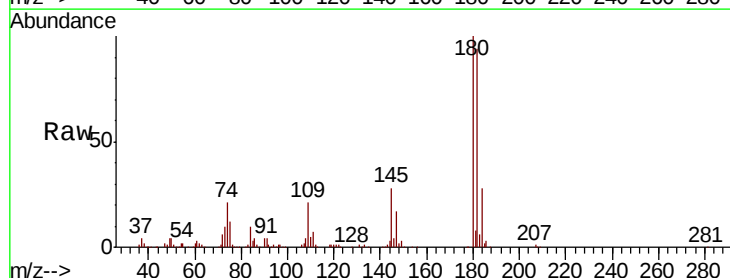
Tgt Ion:180 Resp: 165818

Ion Ratio Lower Upper

180 100

182 97.2 75.5 113.3

145 30.9 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

