

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120720\
 Data File : VW017585.D
 Acq On : 07 Dec 2020 17:40
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02531

Quant Time: Dec 08 06:48:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 06:44:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	375064	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	342561	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185614	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	107073	21.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.48%
7) Chloroethane-d5	2.89	69	92220	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.24%
10) 1,1-Dichloroethene-d2	4.03	63	247414	22.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.76%
20) 2-Butanone-d5	7.08	46	63210	58.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.84%
24) Chloroform-d	7.65	84	265981	24.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.48%
26) 1,2-Dichloroethane-d4	8.31	65	135760	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.40%
29) Benzene-d6	8.28	84	485968	22.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.64%
33) 1,2-Dichloropropane-d6	9.27	67	141286	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.28%
37) Toluene-d8	10.32	98	443276	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.20%
38) trans-1,3-Dichloropropene-	10.58	79	62484	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.92%
39) 2-Hexanone-d5	10.93	63	43394	57.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119623	27.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	167898	23.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	68487	19.448	ug/L	98
3) Chloromethane	2.21	50	80435	22.182	ug/L	100
5) Vinyl chloride	2.37	62	122349	26.547	ug/L	100
6) Bromomethane	2.79	94	81252	24.750	ug/L	99
8) Chloroethane	2.93	64	76878	24.986	ug/L	100
9) Trichlorofluoromethane	3.27	101	122385	23.695	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	135731	25.269	ug/L #	71
12) 1,1-Dichloroethene	4.05	96	125397	23.986	ug/L	95
13) Acetone	4.13	43	56387	53.534	ug/L	93
14) Carbon disulfide	4.39	76	342993	23.089	ug/L	98
15) Methyl Acetate	4.68	43	50409	28.052	ug/L	97
16) Methylene chloride	4.92	84	139014	24.580	ug/L	92
17) Methyl tert-butyl Ether	5.43	73	154096	26.955	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	130257	24.311	ug/L	98
19) 1,1-Dichloroethane	6.22	63	232088	25.513	ug/L	98
21) 2-Butanone	7.17	43	72857	58.347	ug/L	98
22) cis-1,2-Dichloroethene	7.18	96	139417	24.842	ug/L	98

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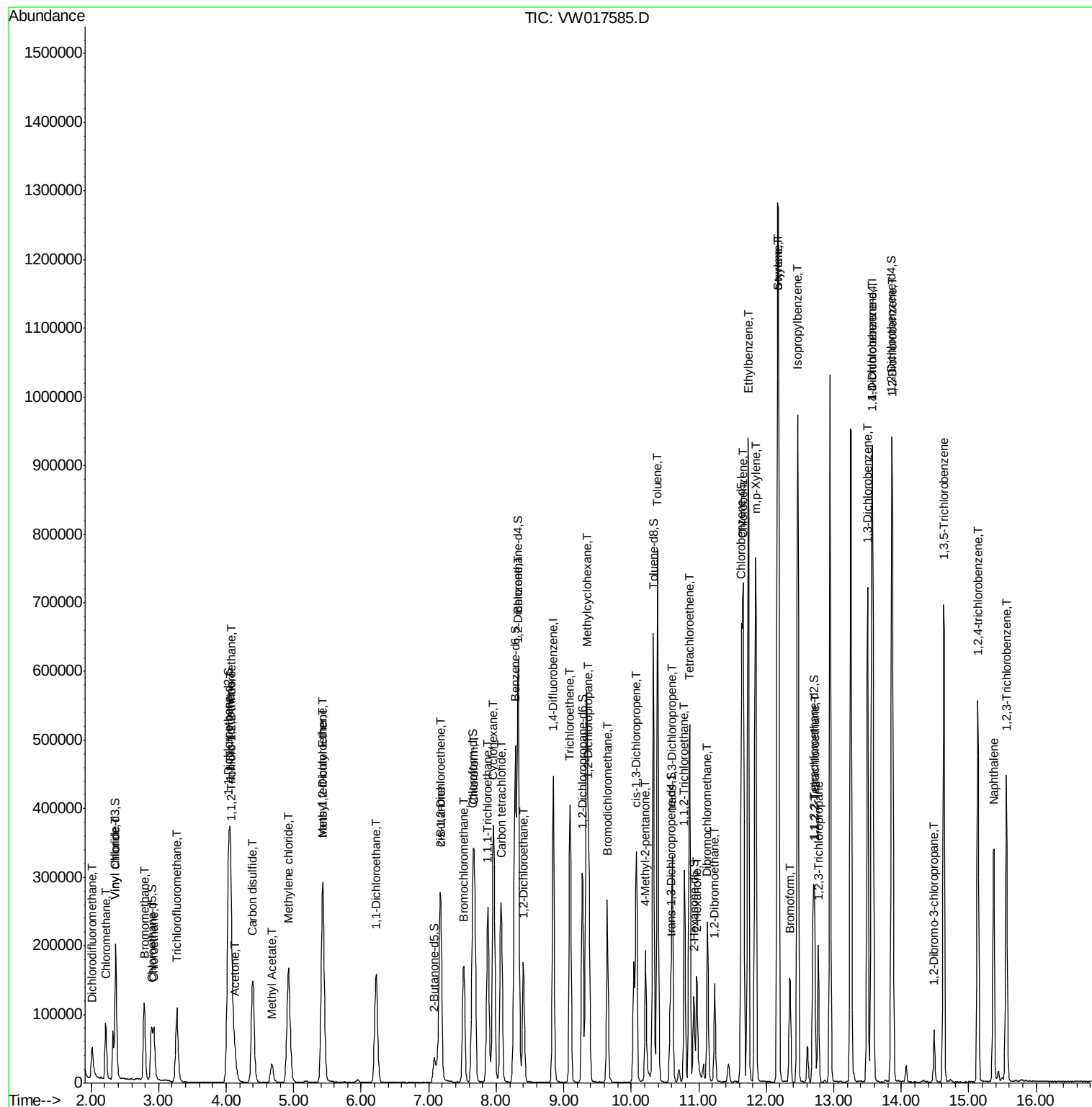
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	63883	25.068	ug/L	93
25) Chloroform	7.68	83	244622	25.471	ug/L	99
27) 1,2-Dichloroethane	8.40	62	155997	26.736	ug/L	99
30) Cyclohexane	7.96	56	205146	24.988	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	210258	25.567	ug/L	98
32) Carbon tetrachloride	8.07	117	205517	25.769	ug/L	100
34) Benzene	8.32	78	521446	25.181	ug/L	100
35) Trichloroethene	9.09	95	141482	24.564	ug/L	98
36) Methylcyclohexane	9.34	83	234225	24.741	ug/L	99
40) 1,2-Dichloropropane	9.37	63	126138	25.819	ug/L	99
41) Bromodichloromethane	9.65	83	176221	26.086	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	201159	26.475	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	135092	59.091	ug/L	96
44) Toluene	10.39	91	561415	25.153	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	176244	26.951	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96175	26.087	ug/L	97
47) Tetrachloroethene	10.87	164	117419	24.075	ug/L	92
49) 2-Hexanone	10.97	43	103182	61.895	ug/L	92
50) Dibromochloromethane	11.13	129	121591	26.608	ug/L	97
51) 1,2-Dibromoethane	11.24	107	92075	26.123	ug/L #	95
52) Chlorobenzene	11.66	112	360238	24.706	ug/L	96
53) Ethylbenzene	11.73	91	641842	25.413	ug/L	96
54) m,p-Xylene	11.84	106	244102	25.356	ug/L	95
55) o-xylene	12.17	106	228284	25.470	ug/L	99
56) Styrene	12.18	104	394700	26.149	ug/L	98
57) Isopropylbenzene	12.46	105	644934	26.185	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	113559	28.444	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	82486	27.986	ug/L	99
62) Bromoform	12.35	173	71585	26.659	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	287579	24.094	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	296270	24.827	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	264661	25.475	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	18637	27.086	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	213174	24.968	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	173743	25.020	ug/L	95
69) Naphthalene	15.37	128	296955	27.268	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	156234	26.877	ug/L	99

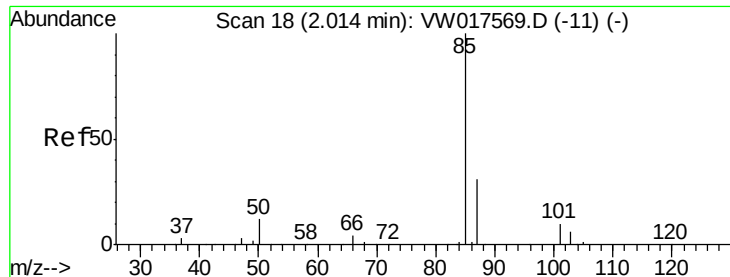
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.448 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

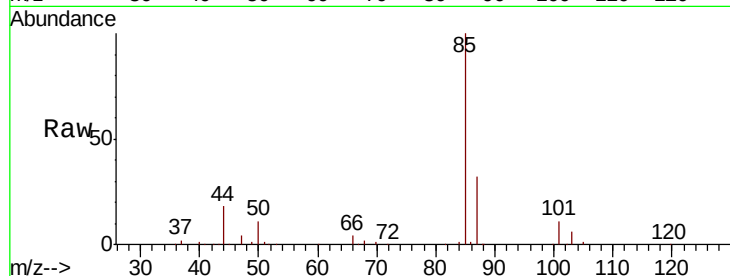
VSTD02531

Tot Ion: 85 Resp: 68487

Ion Ratio Lower Upper

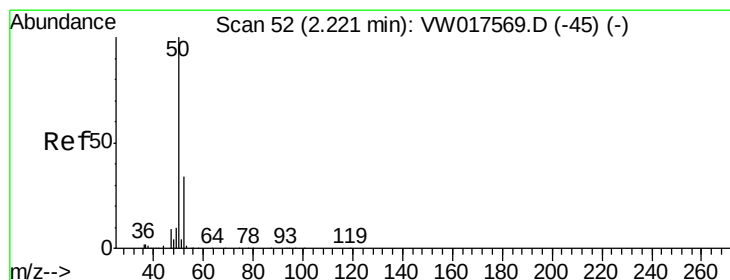
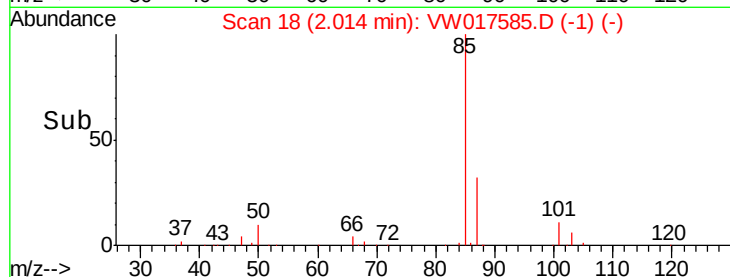
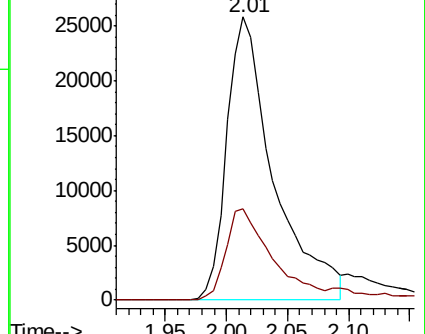
85 100

87 31.8 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: 22.182 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017585.D

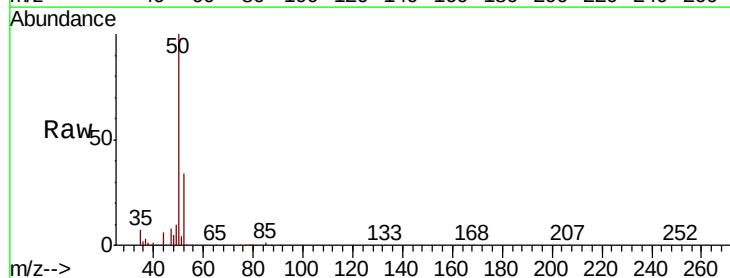
Acq: 07 Dec 2020 17:40

Tgt Ion: 50 Resp: 80435

Ion Ratio Lower Upper

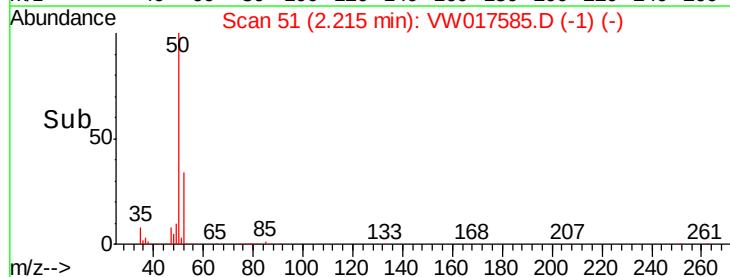
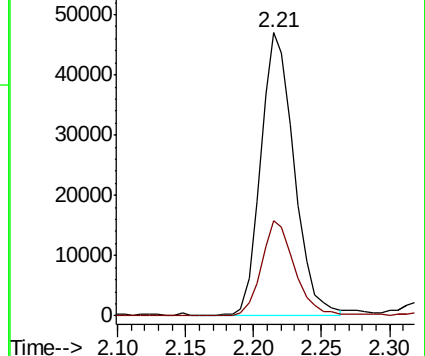
50 100

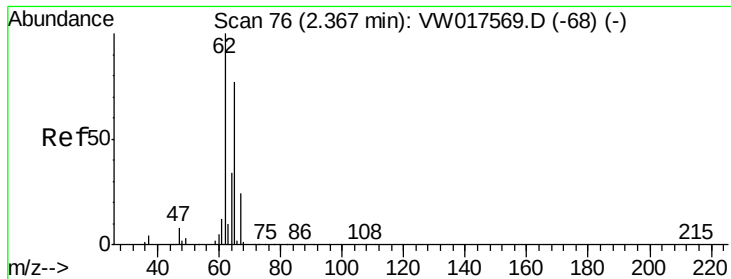
52 33.7 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.547 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

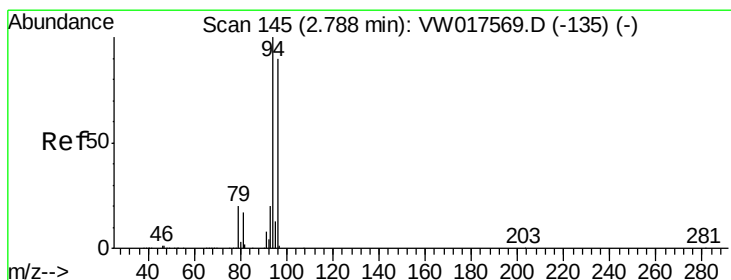
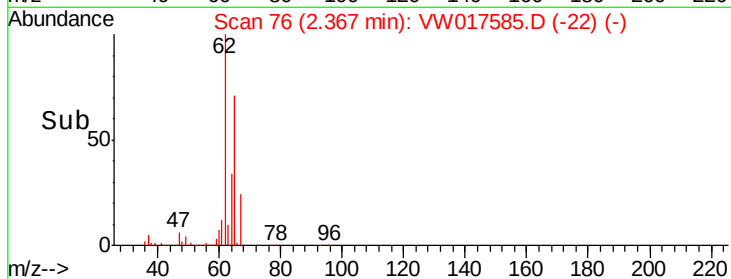
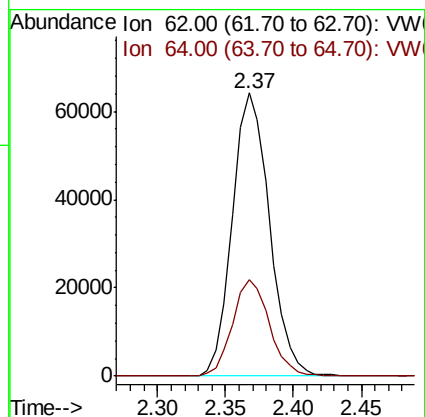
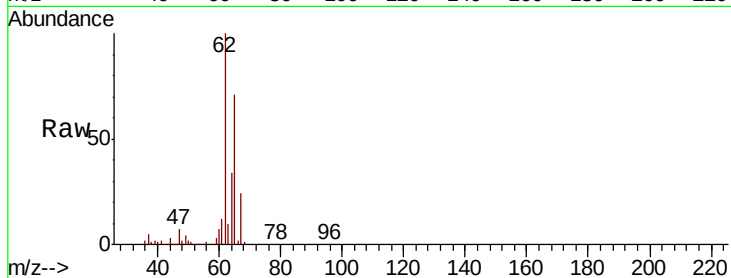
VSTD02531

Tot Ion: 62 Resp: 122349

Ion Ratio Lower Upper

62 100

64 34.1 23.9 44.5



#6

Bromomethane

Concen: 24.750 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017585.D

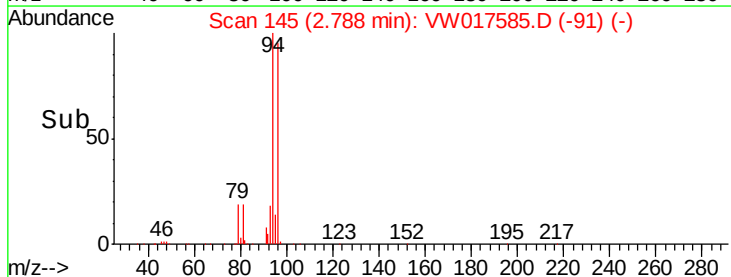
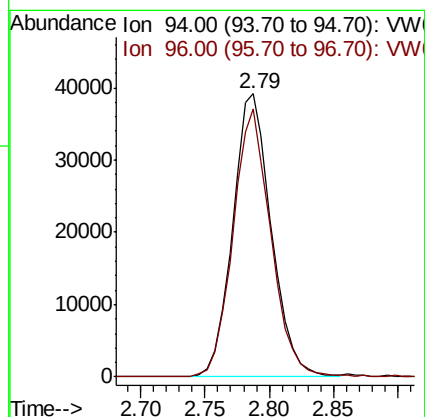
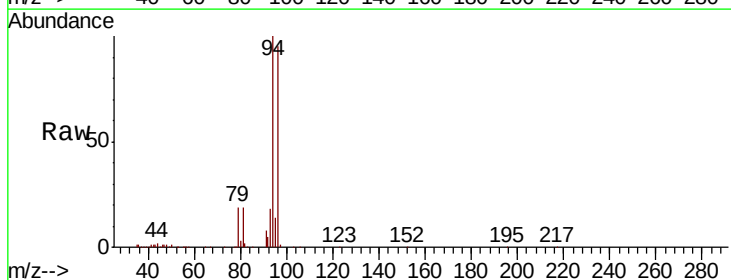
Acq: 07 Dec 2020 17:40

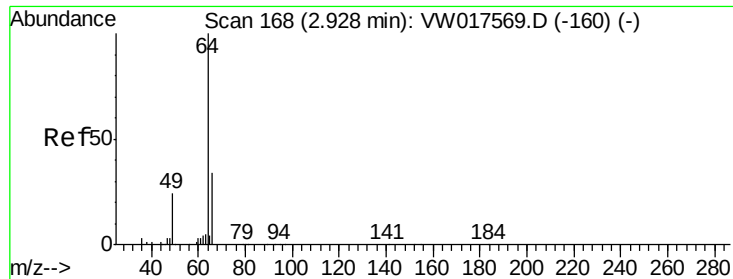
Tgt Ion: 94 Resp: 81252

Ion Ratio Lower Upper

94 100

96 92.6 9.4 178.0





#8

Chloroethane

Concen: 24.986 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

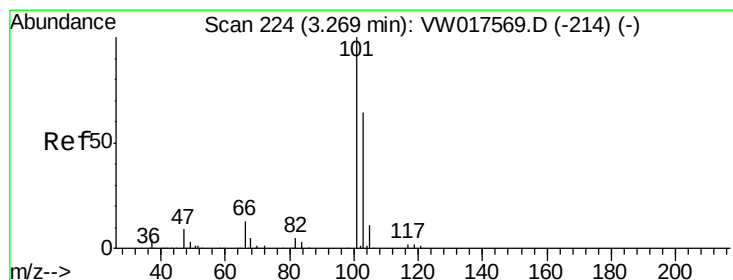
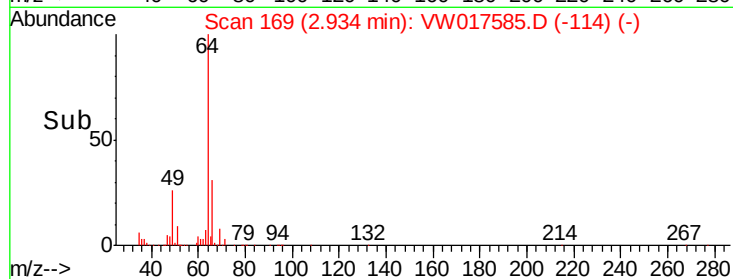
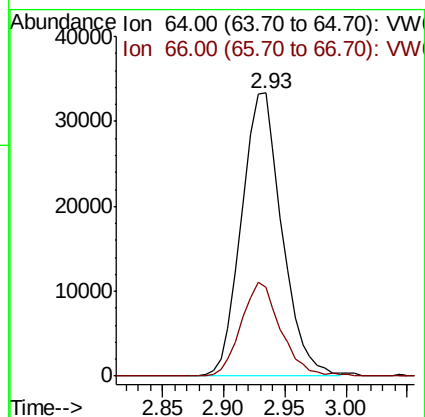
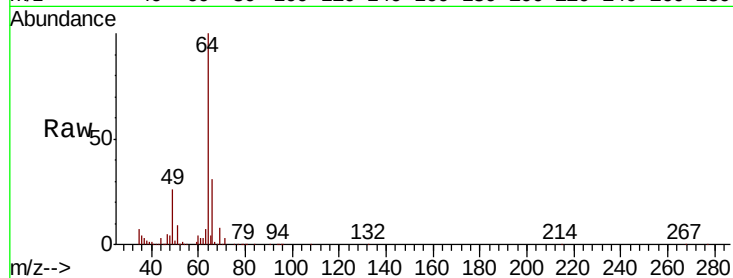
VSTD02531

Tot Ion: 64 Resp: 76878

Ion Ratio Lower Upper

64 100

66 31.3 22.0 41.0



#9

Trichlorofluoromethane

Concen: 23.695 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017585.D

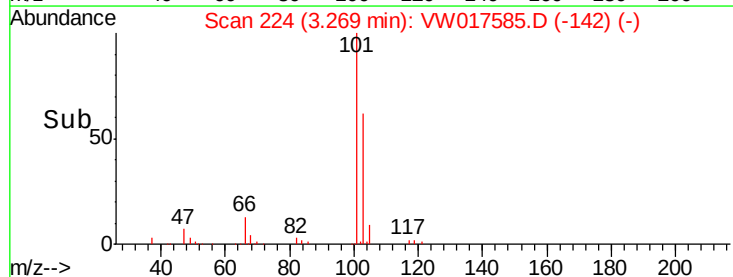
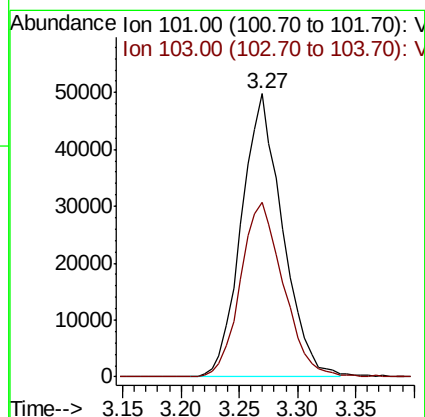
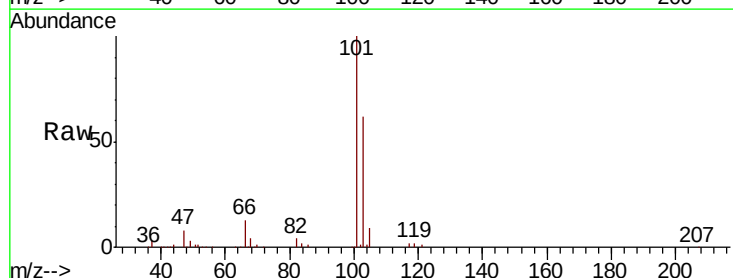
Acq: 07 Dec 2020 17:40

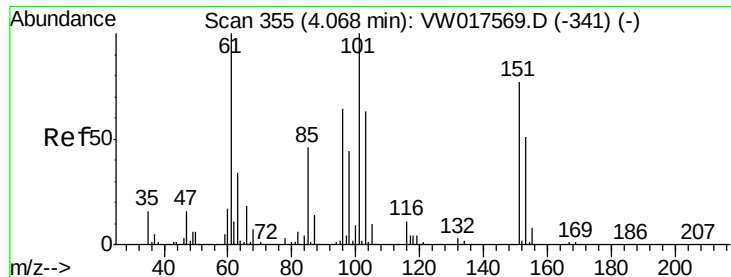
Tgt Ion: 101 Resp: 122385

Ion Ratio Lower Upper

101 100

103 64.3 45.0 83.6





#11

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

Concen: 25.269 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampled :

VSTD02531

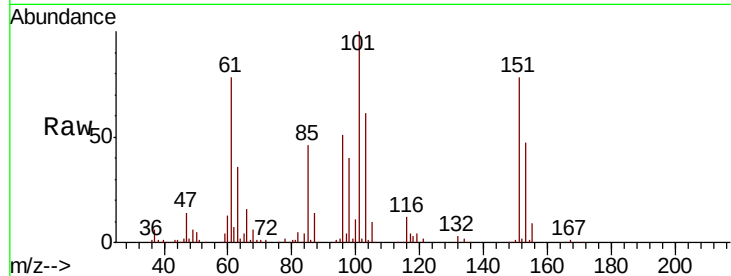
Tot Ion:101 Resp: 135731

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

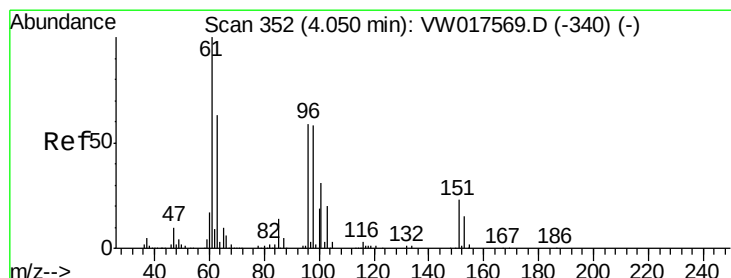
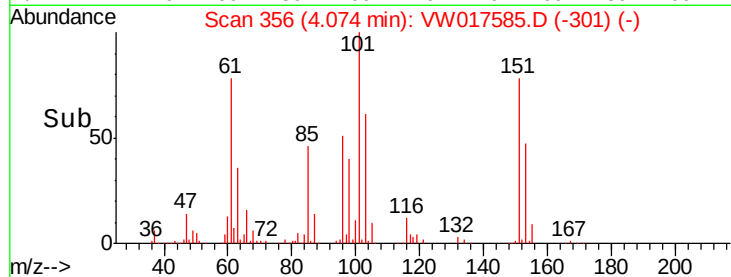
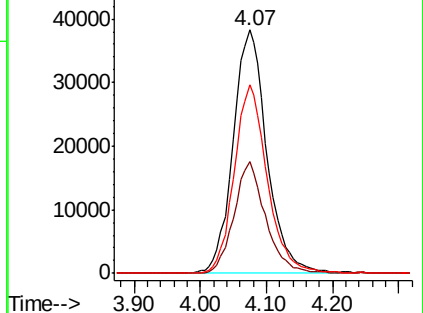
151 75.5 30.4 45.6#



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: 23.986 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

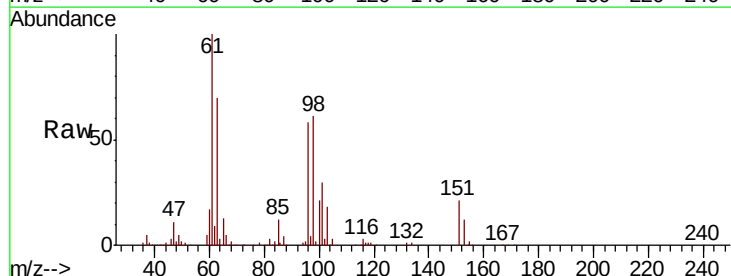
Tgt Ion: 96 Resp: 125397

Ion Ratio Lower Upper

96 100

61 171.9 112.5 208.9

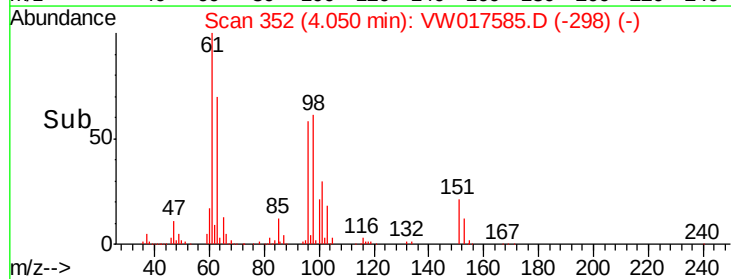
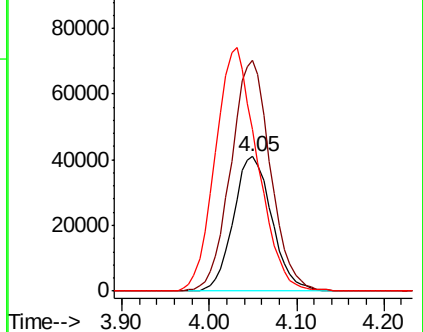
63 120.2 83.1 154.3

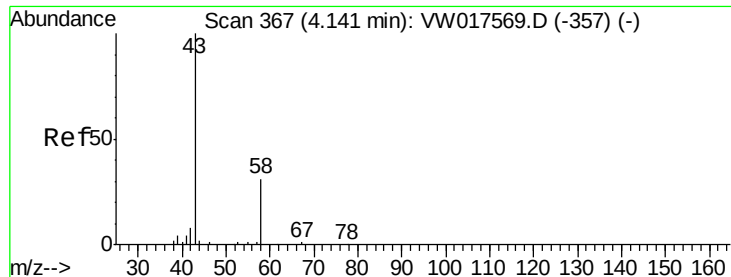


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.534 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

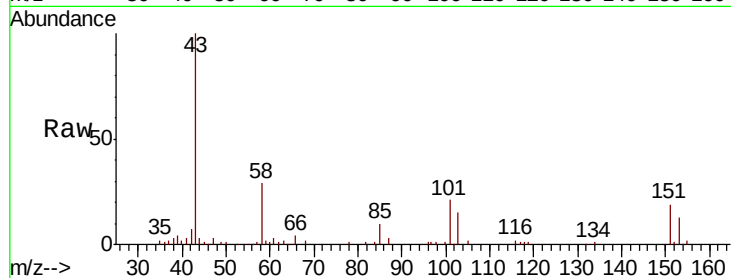
VSTD02531

Tot Ion: 43 Resp: 56387

Ion Ratio Lower Upper

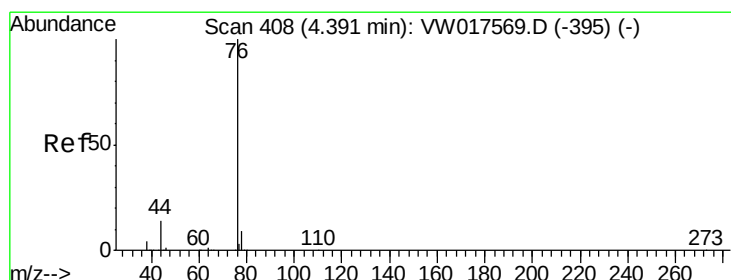
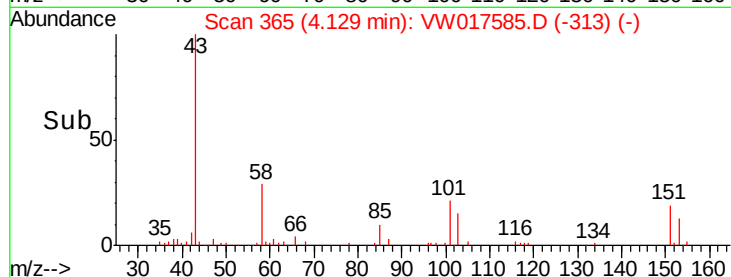
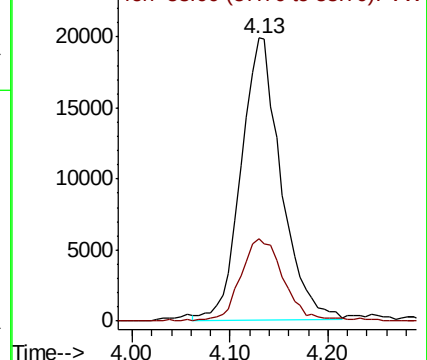
43 100

58 30.0 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.089 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017585.D

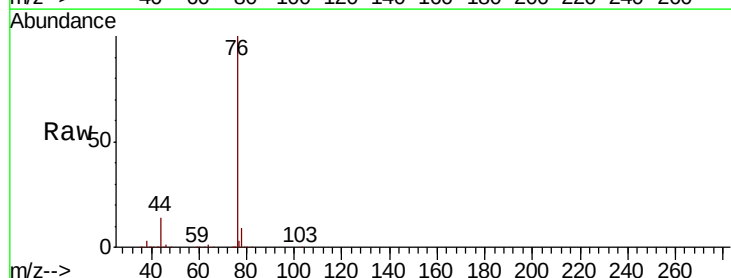
Acq: 07 Dec 2020 17:40

Tgt Ion: 76 Resp: 342993

Ion Ratio Lower Upper

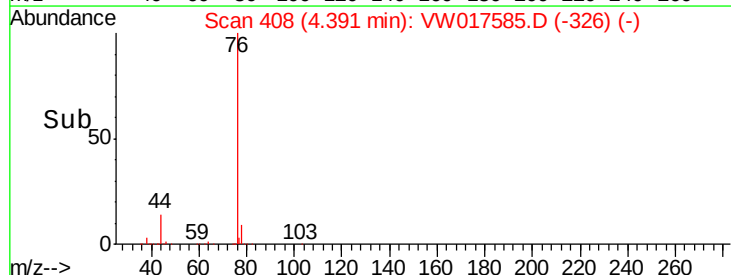
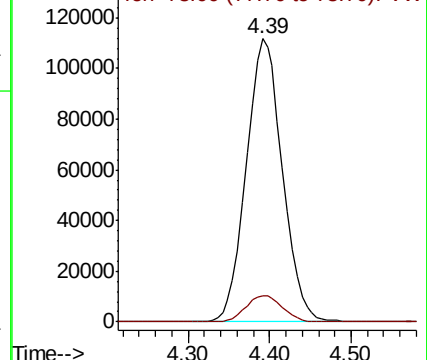
76 100

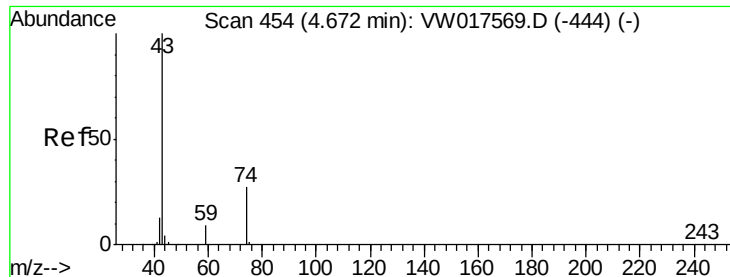
78 9.4 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

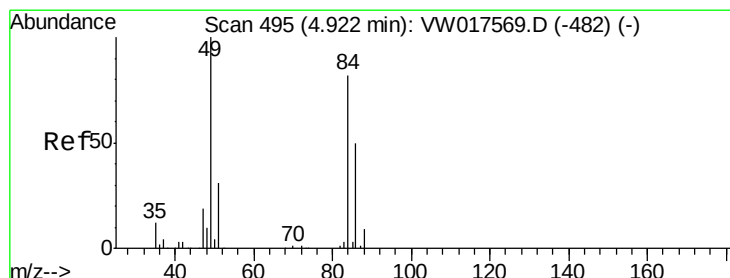
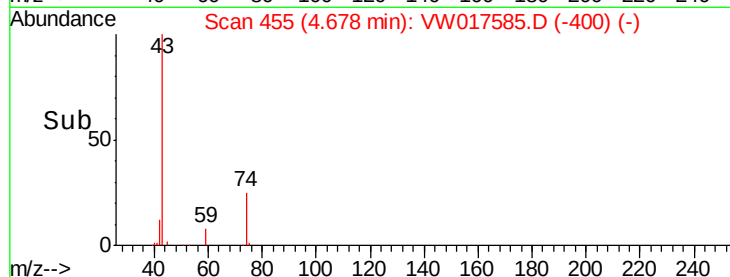
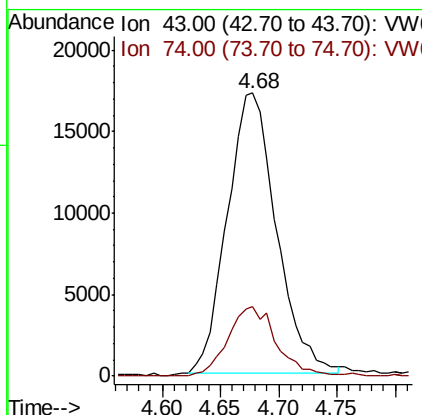
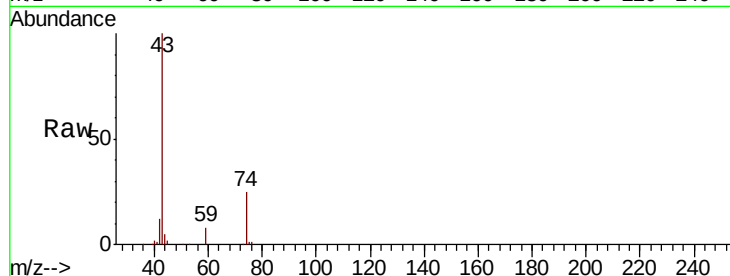




#15
Methyl Acetate
Concen: 28.052 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017585.D
Acq: 07 Dec 2020 17:40

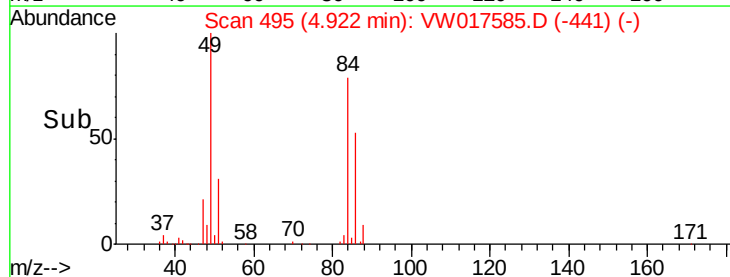
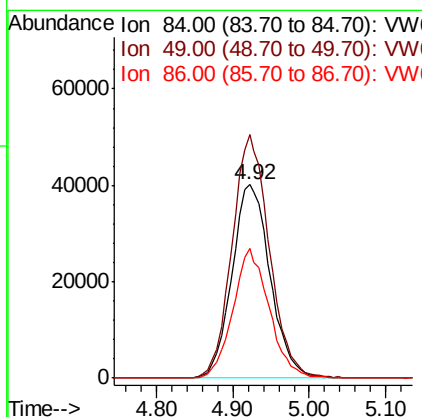
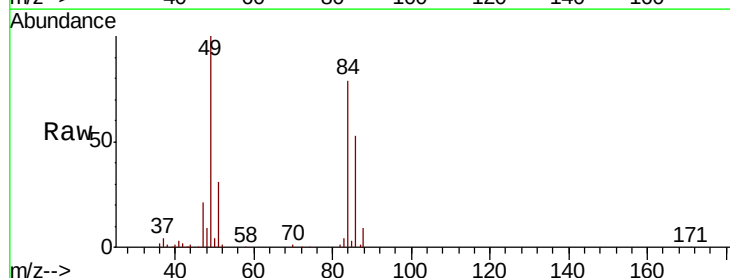
Instrument :
MSVOA_W
ClientSampled :
VSTD02531

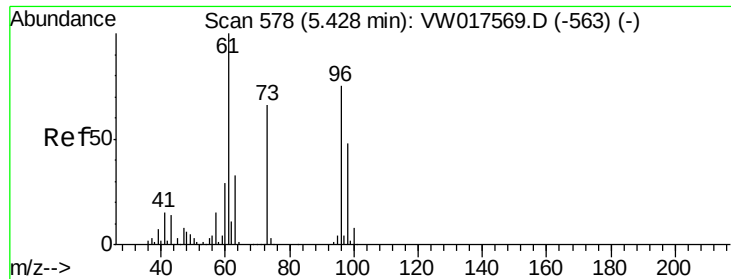
Tot Ion: 43 Resp: 50409
Ion Ratio Lower Upper
43 100
74 24.4 20.7 31.1



#16
Methylene chloride
Concen: 24.580 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017585.D
Acq: 07 Dec 2020 17:40

Tgt Ion: 84 Resp: 139014
Ion Ratio Lower Upper
84 100
49 125.9 81.2 150.8
86 67.3 44.5 82.7

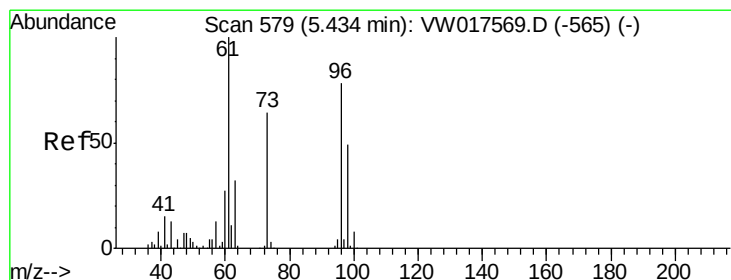
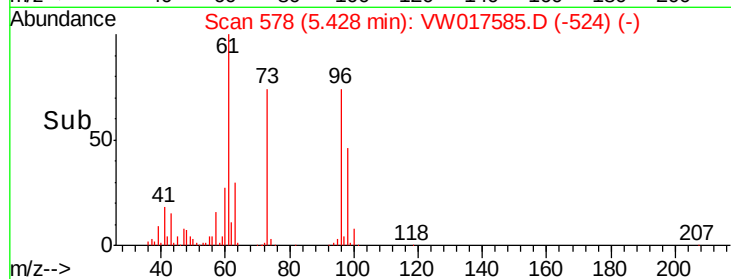
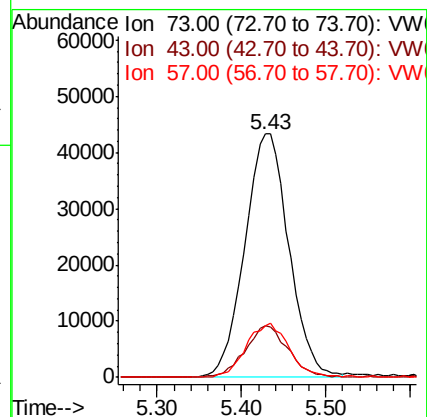
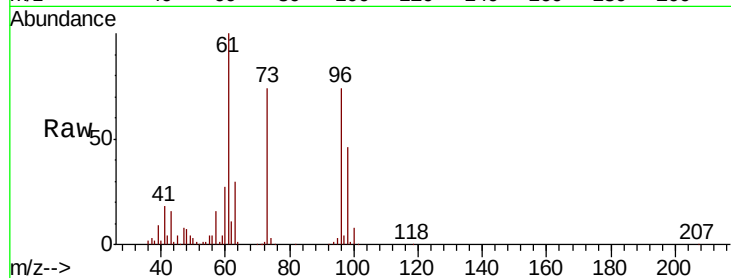




#17
Methyl tert-butyl Ether
Concen: 26.955 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017585.D
Acq: 07 Dec 2020 17:40

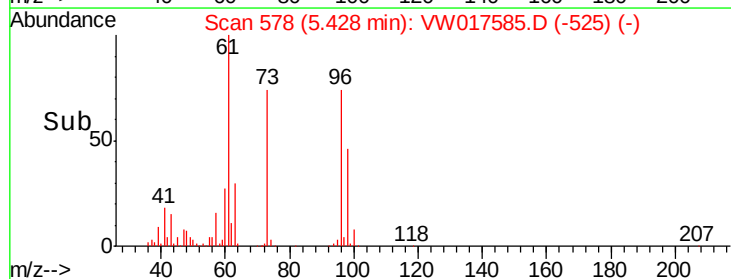
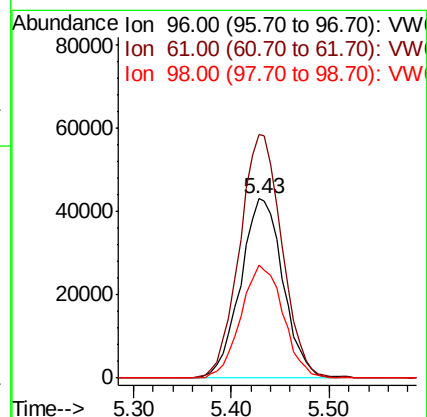
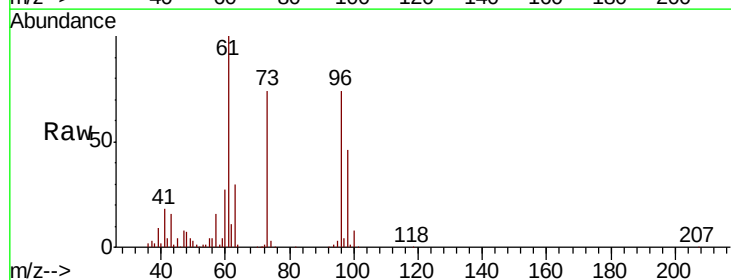
Instrument :
MSVOA_W
ClientSampleID :
VSTD02531

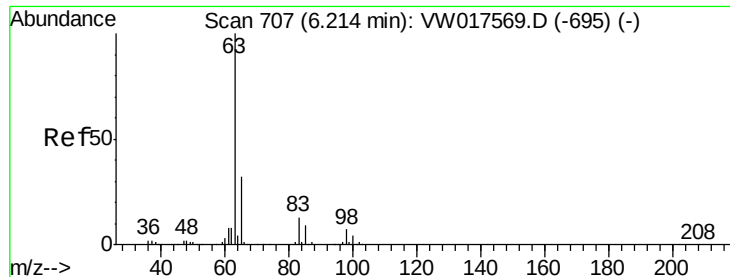
Tot Ion: 73 Resp: 154096
Ion Ratio Lower Upper
73 100
43 20.0 16.2 24.4
57 21.7 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 24.311 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017585.D
Acq: 07 Dec 2020 17:40

Tgt Ion: 96 Resp: 130257
Ion Ratio Lower Upper
96 100
61 135.9 92.7 172.1
98 62.9 43.3 80.3

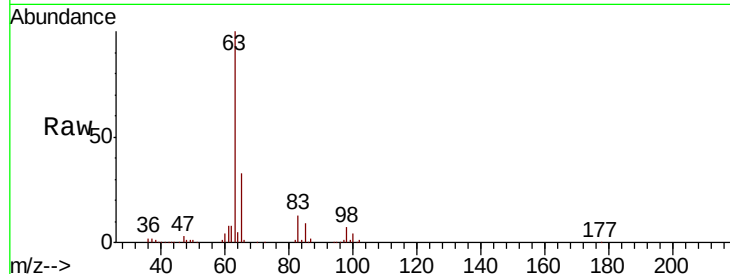




#19
 1,1-Dichloroethane
 Concen: 25.513 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02531

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	21.9	40.7
83	13.5	9.4	17.6

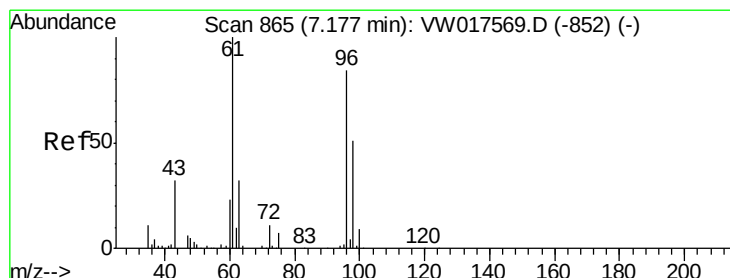
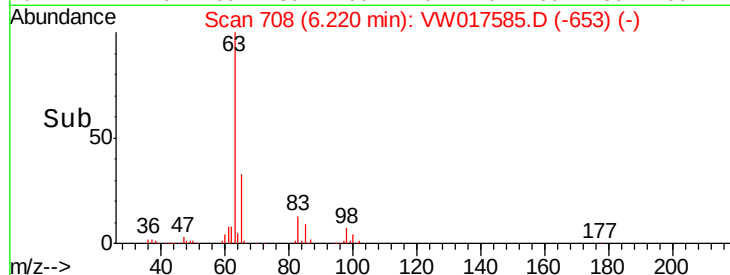
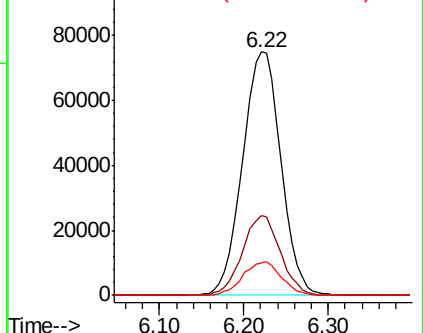


Abundance

Ion 63.00 (62.70 to 63.70): VW

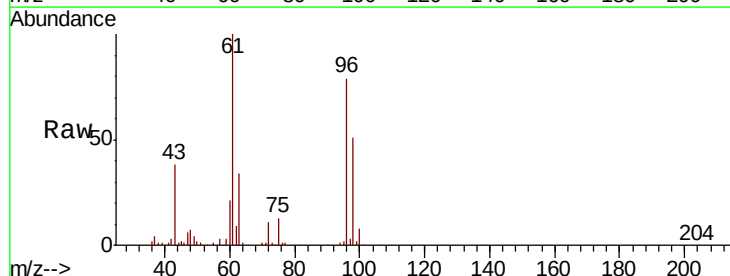
Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21
 2-Butanone
 Concen: 58.347 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

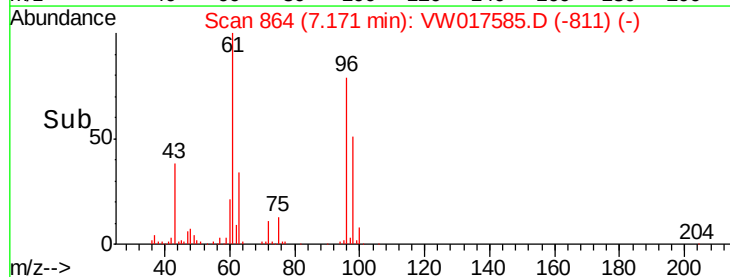
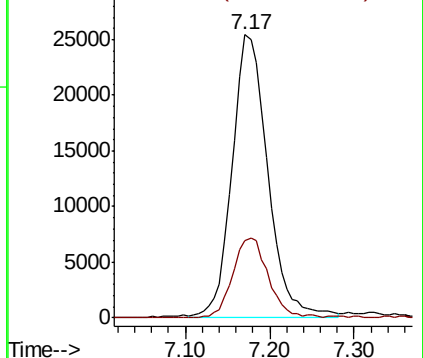
Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.8	14.4	43.2

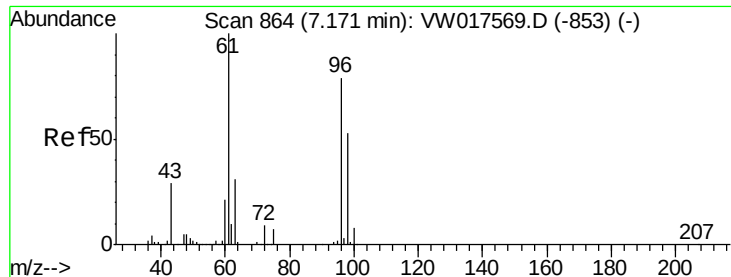


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



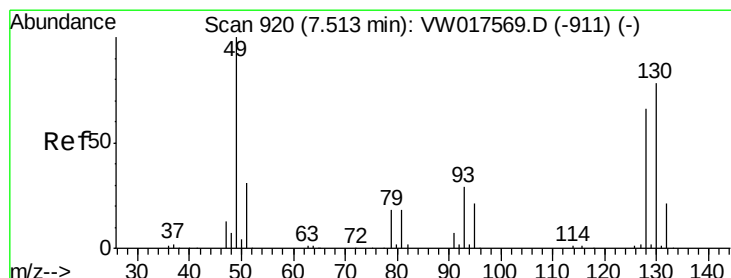
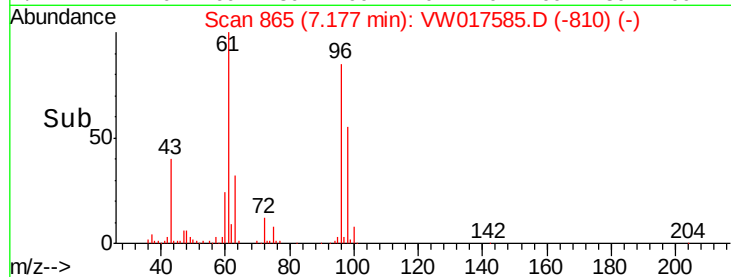
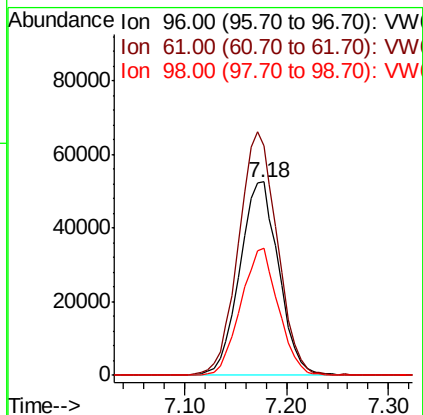
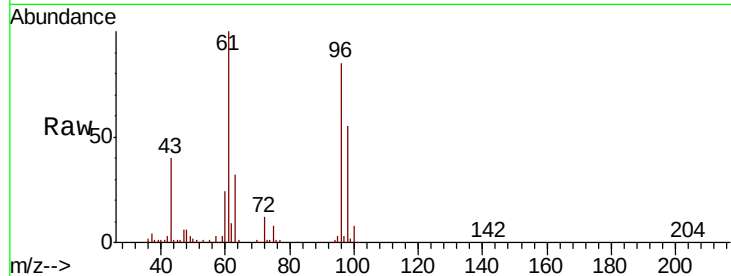


#22

cis-1,2-Dichloroethene
 Concen: 24.842 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02531

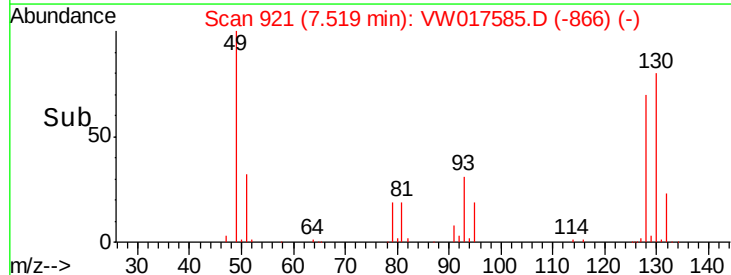
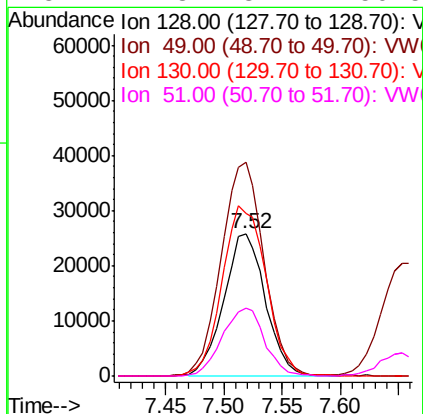
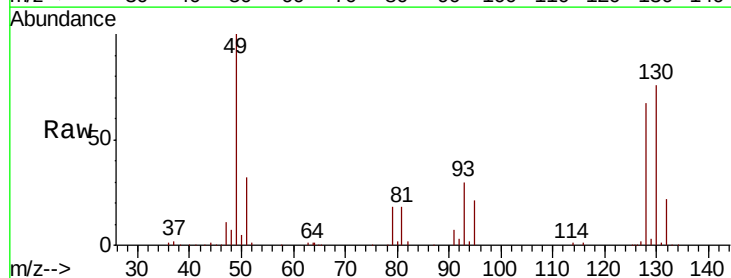
Tot Ion	96	Resp	139417
Ion Ratio	Lower	Upper	
96	100		
61	118.3	84.6	157.2
98	65.6	44.7	82.9

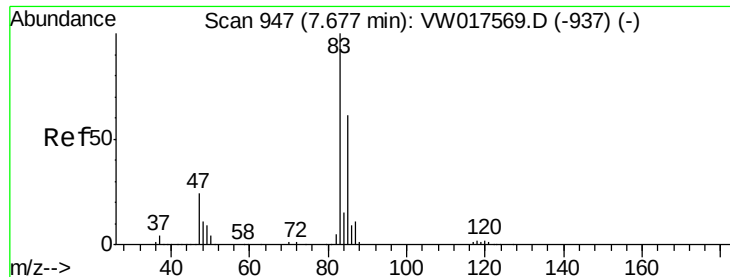


#23

Bromochloromethane
 Concen: 25.068 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

Tgt Ion	128	Resp	63883
Ion Ratio	Lower	Upper	
128	100		
49	150.3	101.6	188.6
130	114.1	90.4	167.8
51	47.8	37.7	56.5

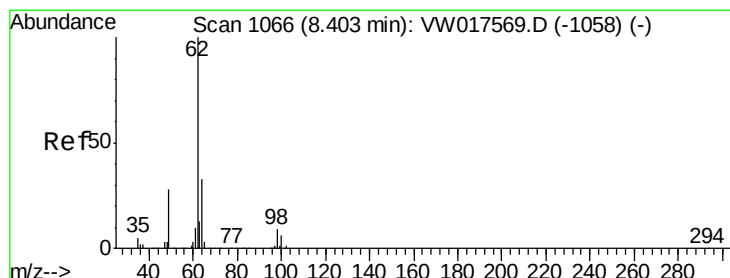
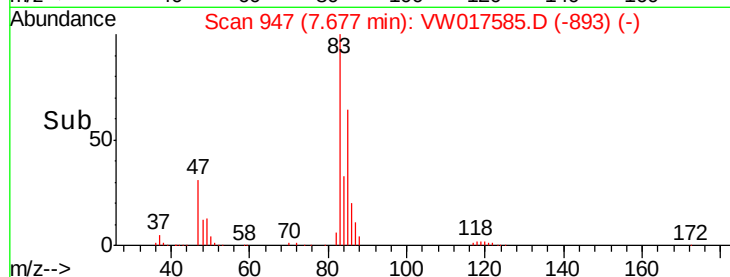
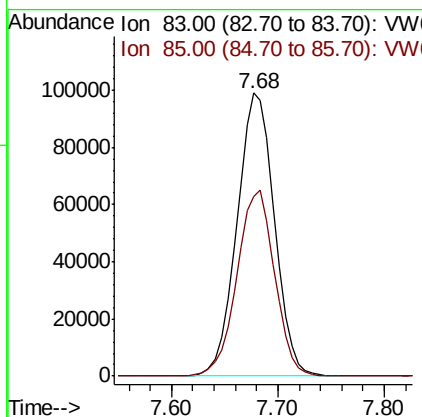
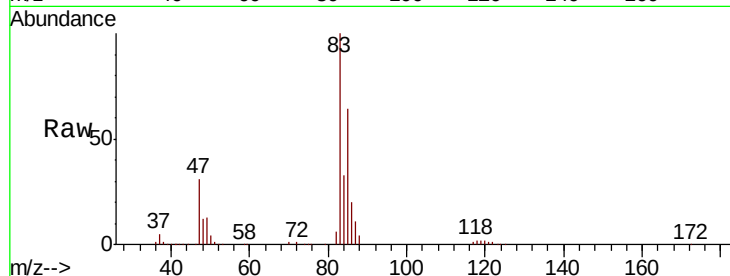




#25
Chloroform
Concen: 25.471 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017585.D
Acq: 07 Dec 2020 17:40

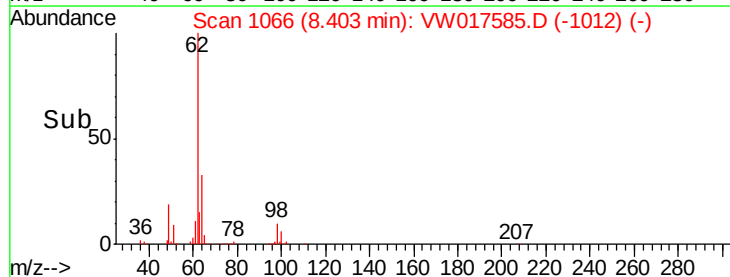
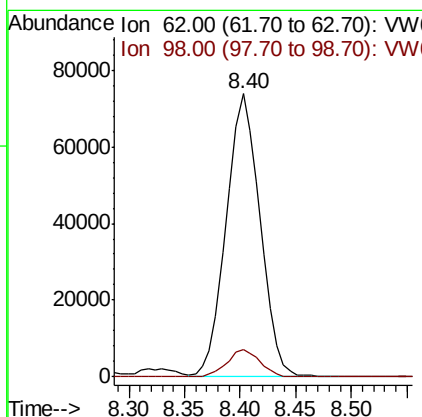
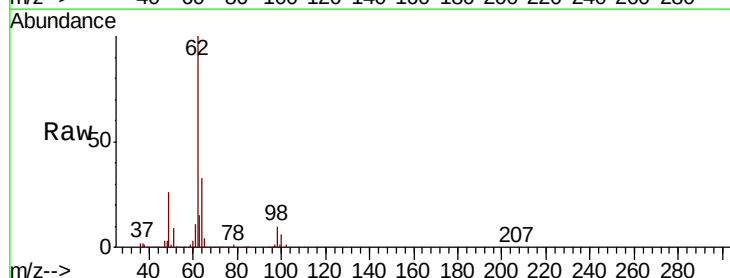
Instrument :
MSVOA_W
ClientSampleId :
VSTD02531

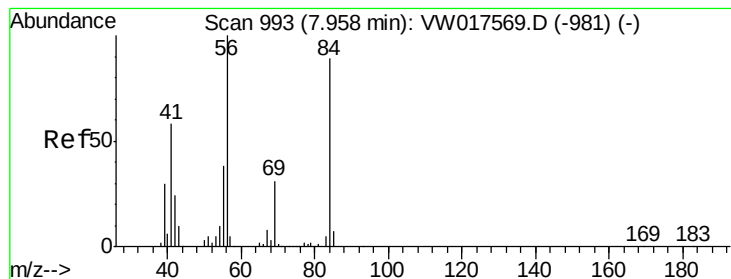
Tot Ion: 83 Resp: 244622
Ion Ratio Lower Upper
83 100
85 66.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 26.736 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017585.D
Acq: 07 Dec 2020 17:40

Tgt Ion: 62 Resp: 155997
Ion Ratio Lower Upper
62 100
98 9.6 8.0 12.0





#30

Cyclohexane

Concen: 24.988 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02531

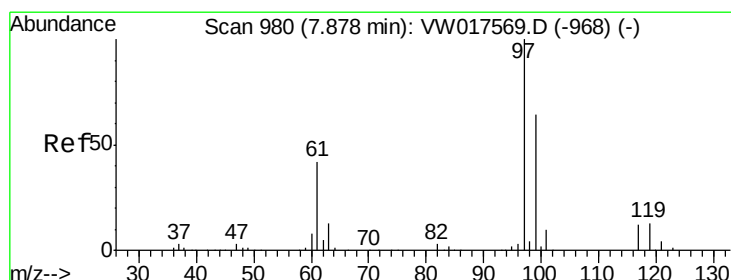
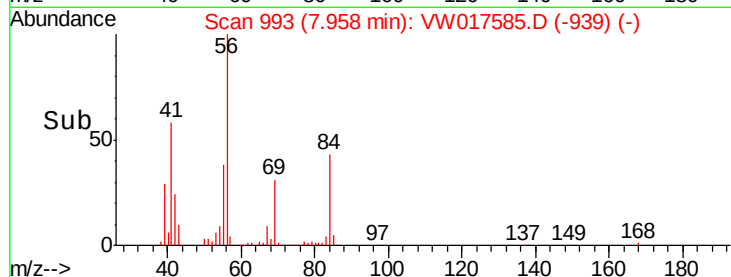
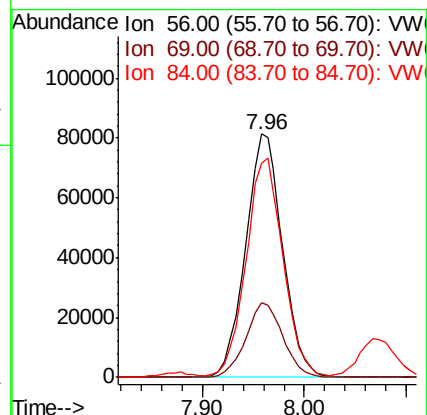
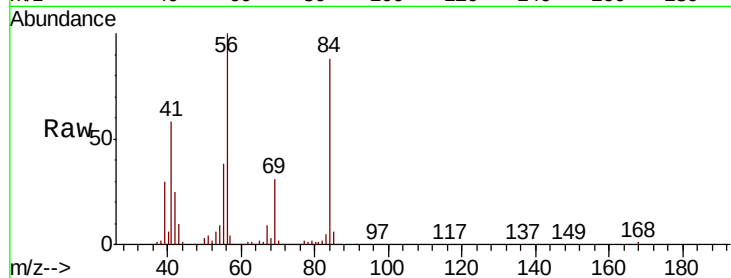
Tot Ion: 56 Resp: 205146

Ion Ratio Lower Upper

56 100

69 30.6 24.8 37.2

84 90.1 74.2 111.4



#31

1,1,1-Trichloroethane

Concen: 25.567 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

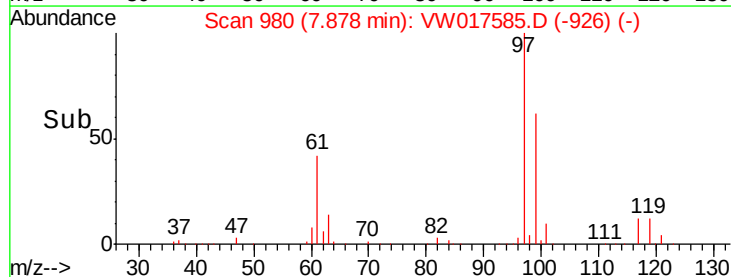
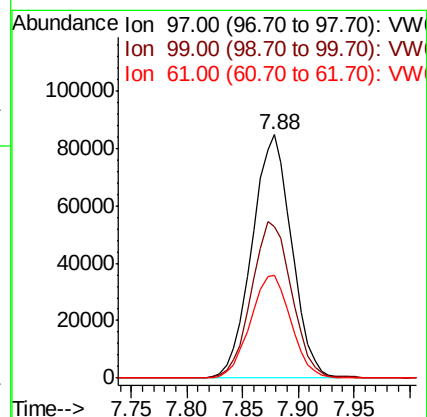
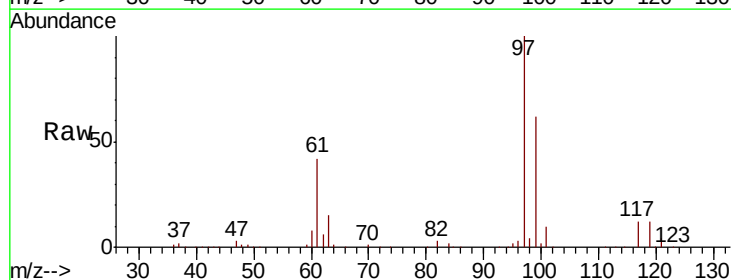
Tgt Ion: 97 Resp: 210258

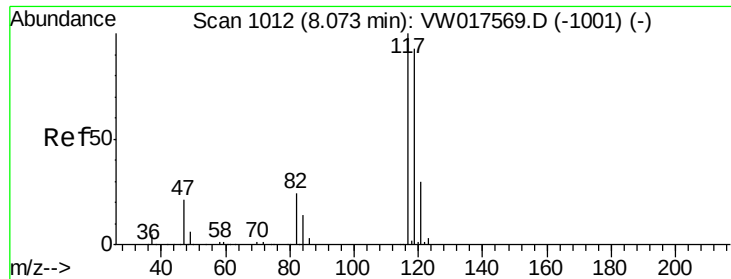
Ion Ratio Lower Upper

97 100

99 65.2 51.0 76.4

61 43.4 33.6 50.4





#32

Carbon tetrachloride

Concen: 25.769 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

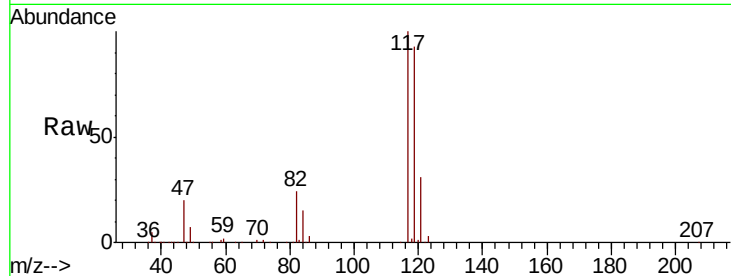
VSTD02531

Tot Ion:117 Resp: 205517

Ion Ratio Lower Upper

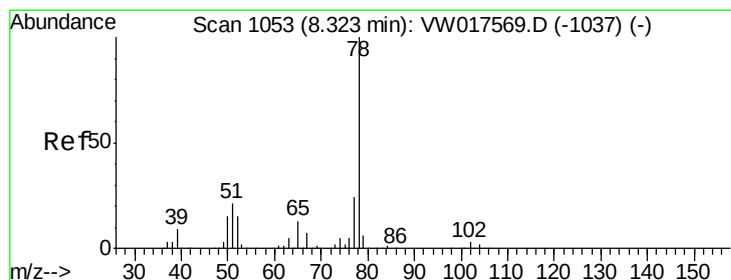
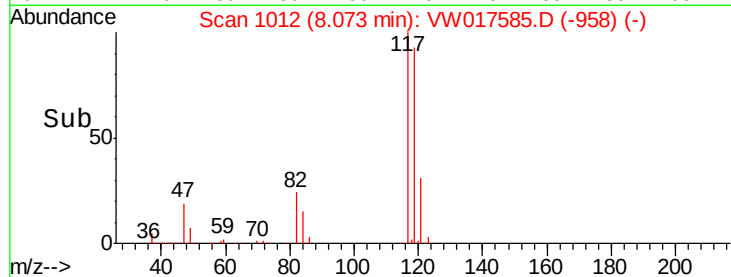
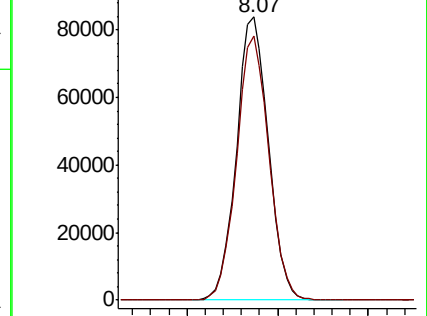
117 100

119 94.5 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.181 ug/L

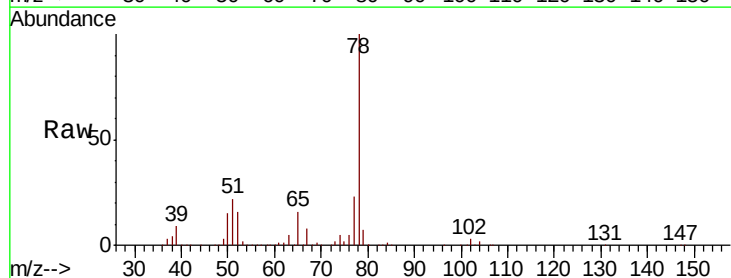
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

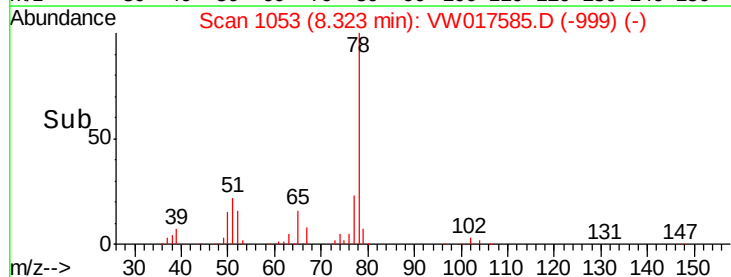
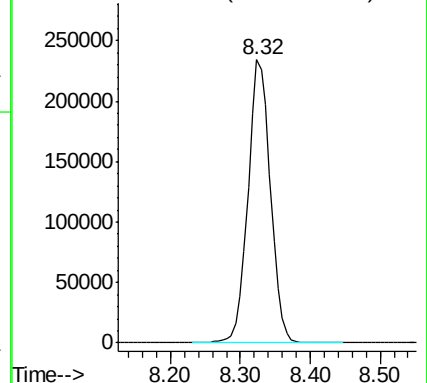
Lab File: VW017585.D

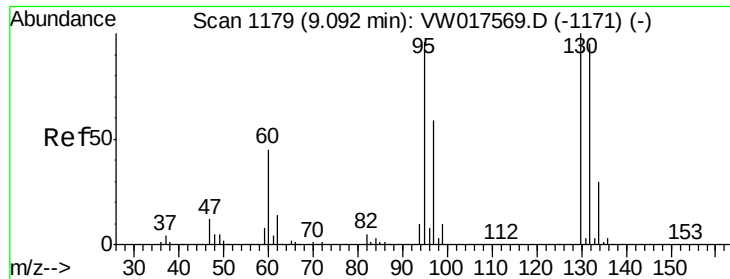
Acq: 07 Dec 2020 17:40

Tgt Ion: 78 Resp: 521446



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.564 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampled :

VSTD02531

Tot Ion: 95 Resp: 141482

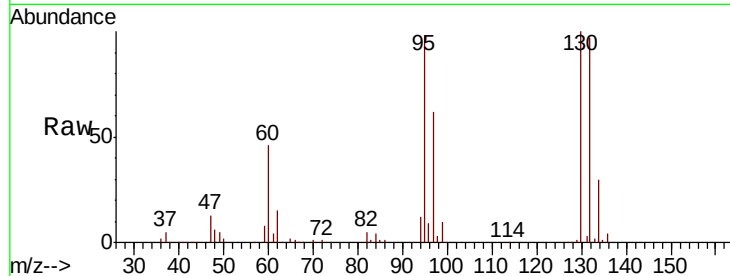
Ion Ratio Lower Upper

95 100

97 64.9 45.0 83.6

132 100.3 71.0 131.8

130 104.9 75.6 140.4



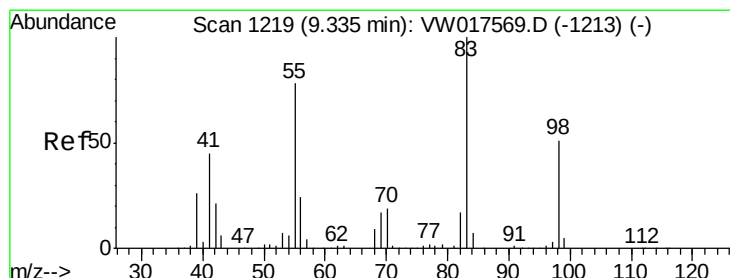
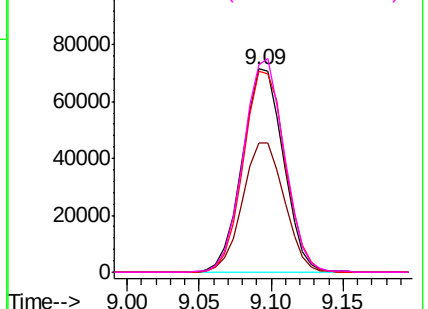
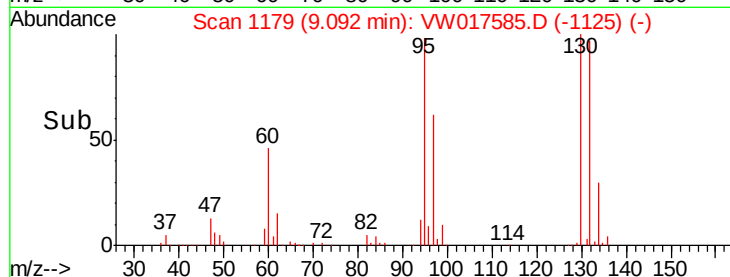
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.741 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

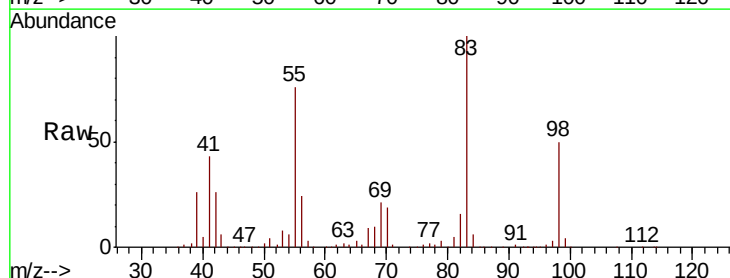
Tgt Ion: 83 Resp: 234225

Ion Ratio Lower Upper

83 100

55 74.9 59.4 89.0

98 50.4 40.7 61.1

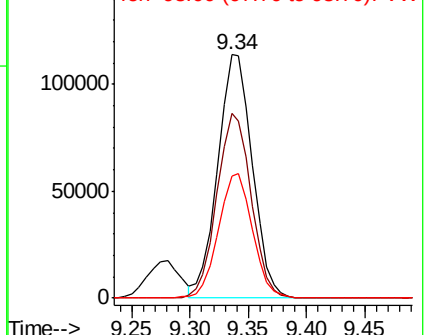
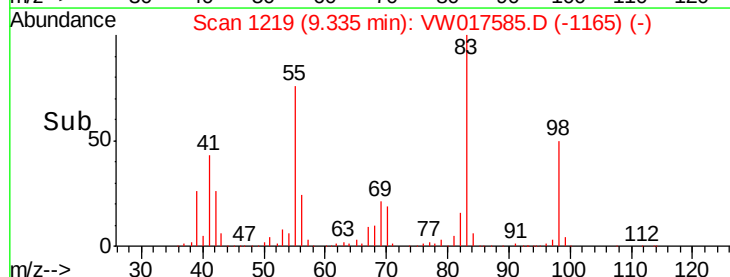


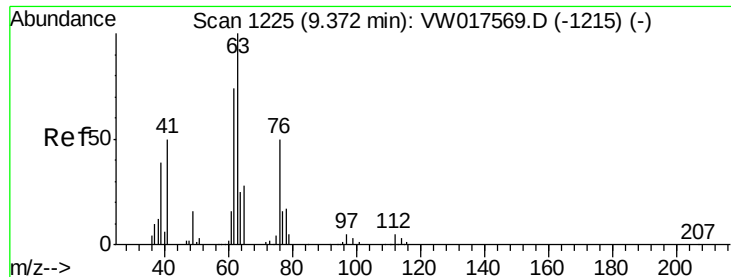
Abundance

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: 25.819 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampled :

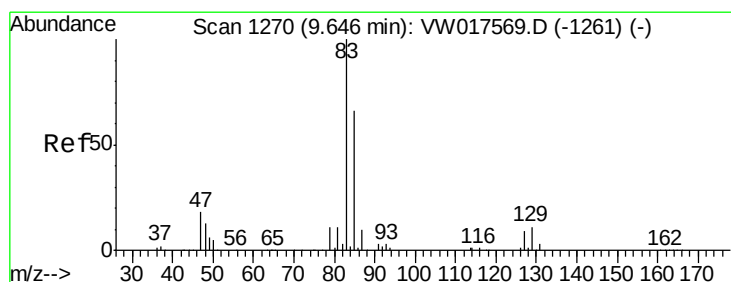
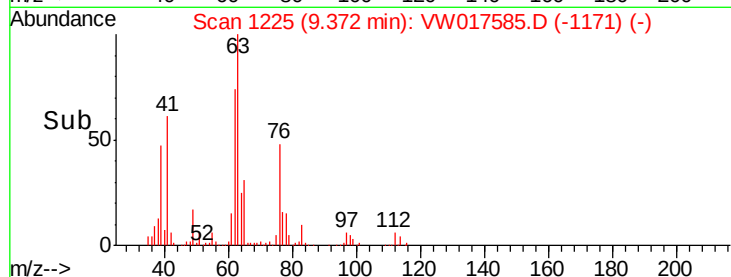
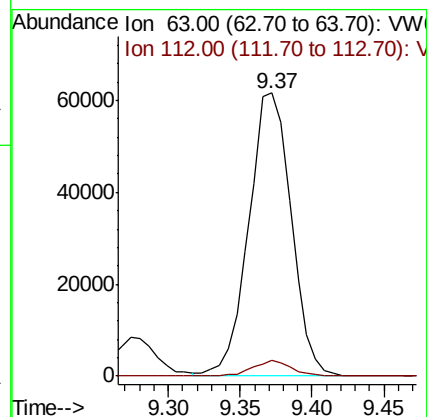
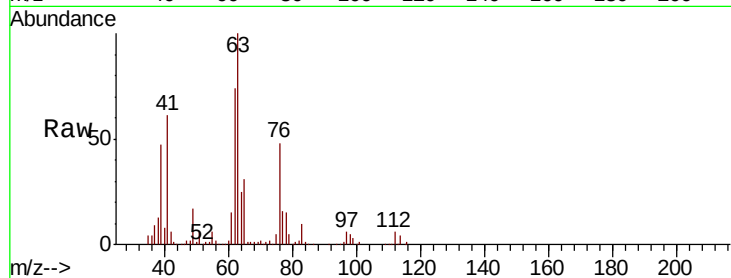
VSTD02531

Tot Ion: 63 Resp: 126138

Ion Ratio Lower Upper

63 100

112 5.0 4.2 6.4



#41

Bromodichloromethane

Concen: 26.086 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

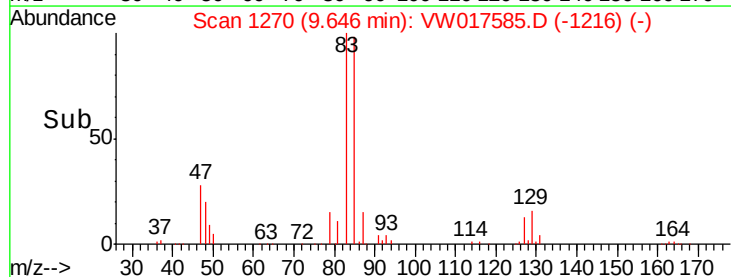
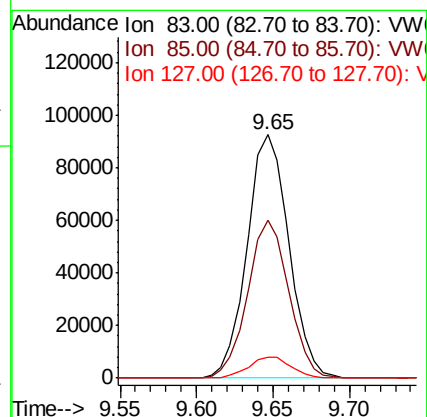
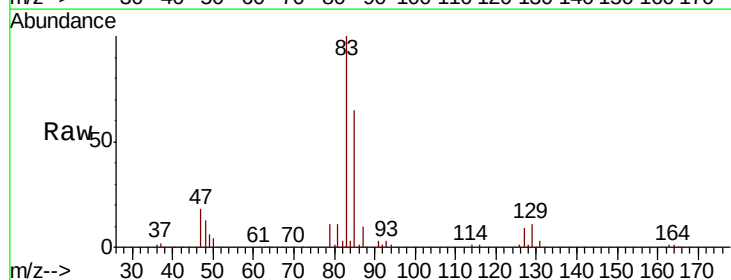
Tgt Ion: 83 Resp: 176221

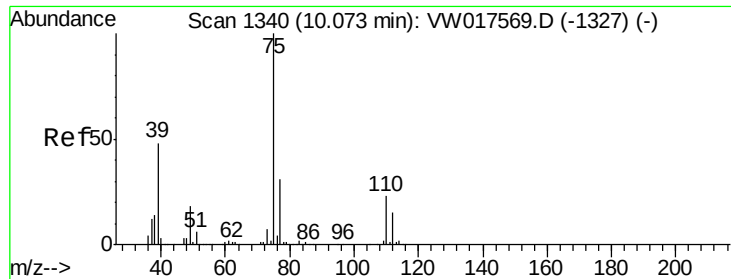
Ion Ratio Lower Upper

83 100

85 64.9 46.8 86.8

127 8.7 7.6 11.4





#42

cis-1,3-Dichloropropene

Concen: 26.475 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

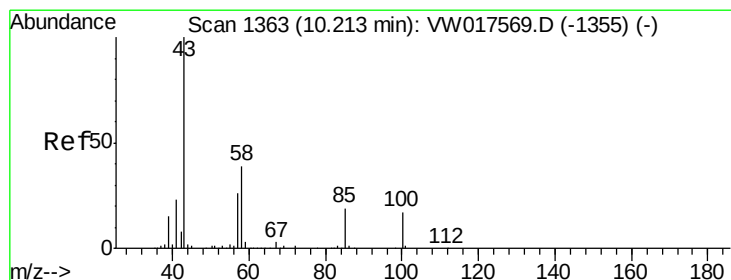
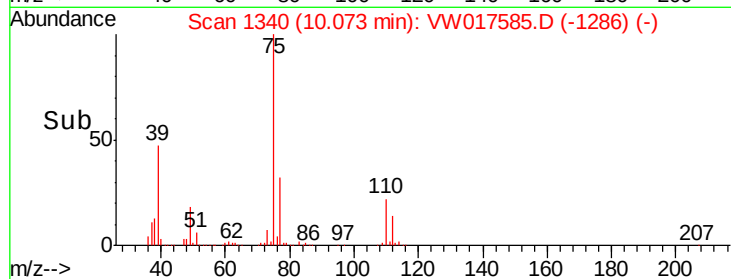
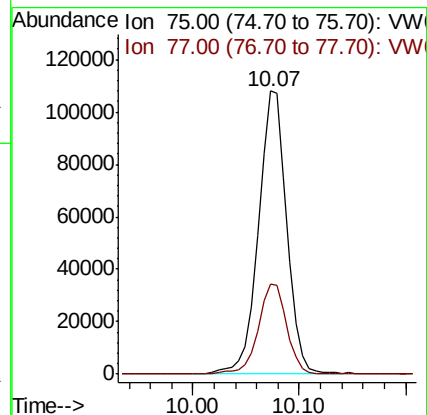
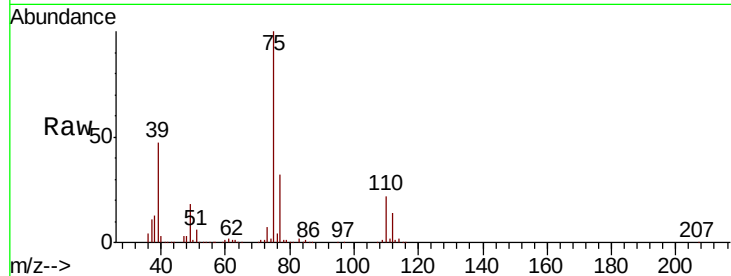
VSTD02531

Tot Ion: 75 Resp: 201159

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 59.091 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

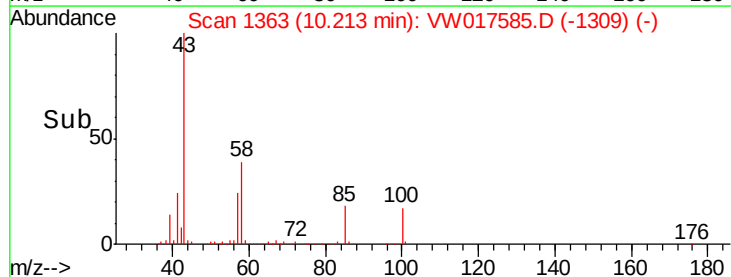
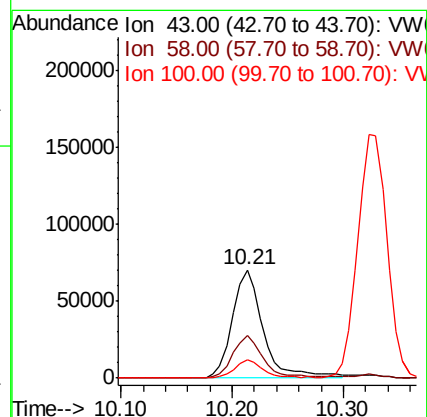
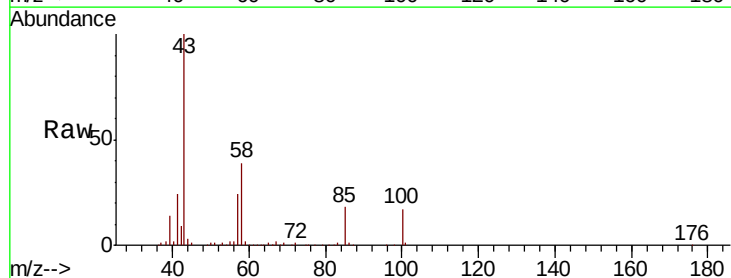
Tgt Ion: 43 Resp: 135092

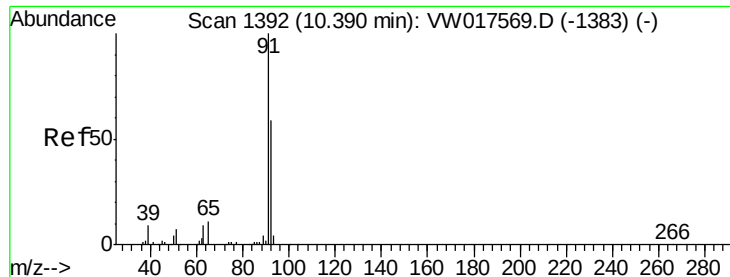
Ion Ratio Lower Upper

43 100

58 37.2 31.6 47.4

100 15.6 14.1 21.1





#44

Toluene

Concen: 25.153 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

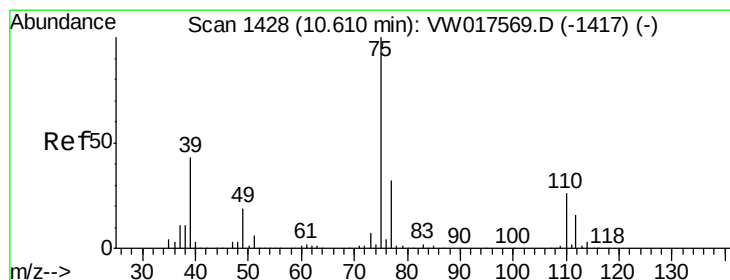
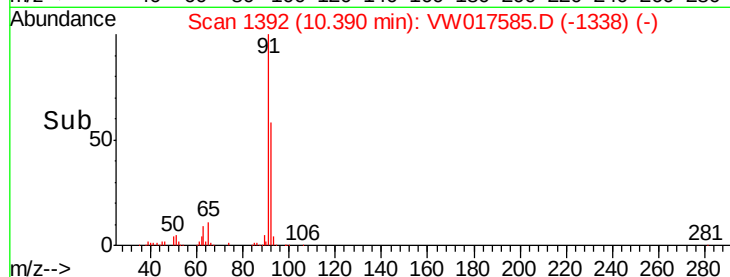
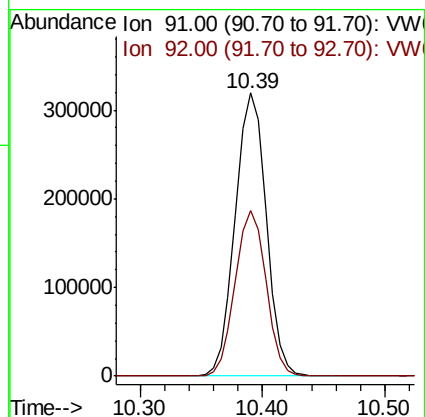
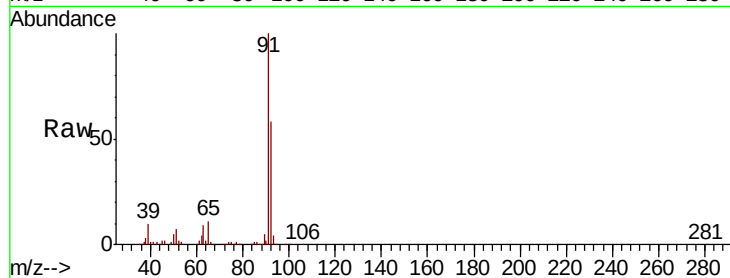
VSTD02531

Tot Ion: 91 Resp: 561415

Ion Ratio Lower Upper

91 100

92 58.4 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 26.951 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017585.D

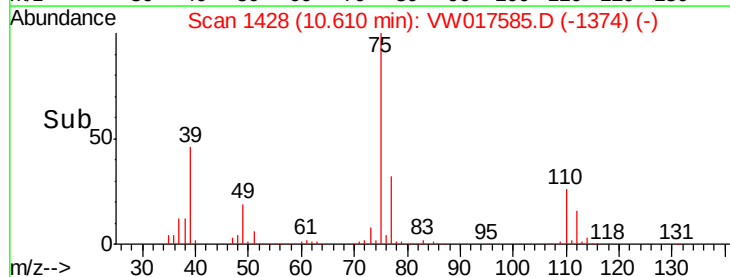
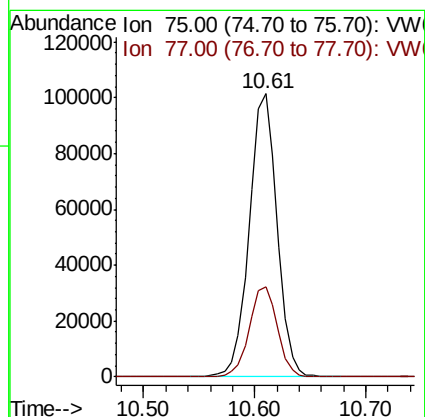
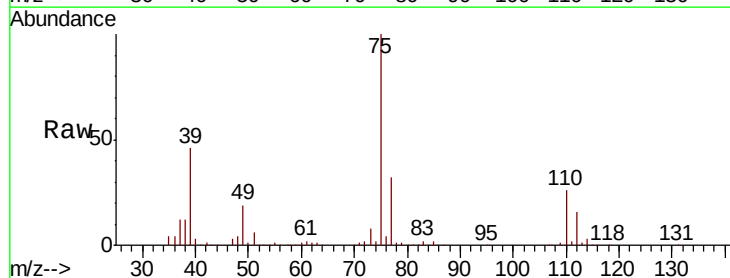
Acq: 07 Dec 2020 17:40

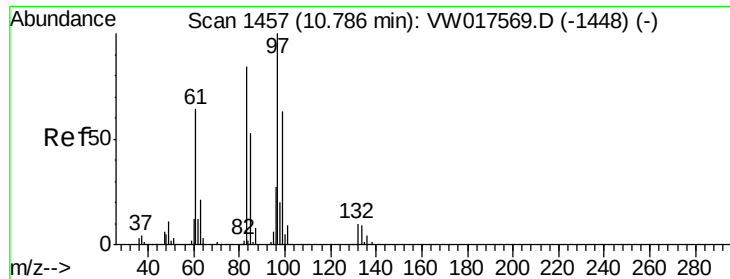
Tgt Ion: 75 Resp: 176244

Ion Ratio Lower Upper

75 100

77 31.8 22.6 42.0

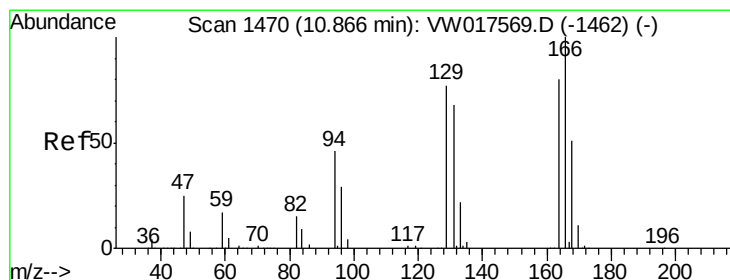
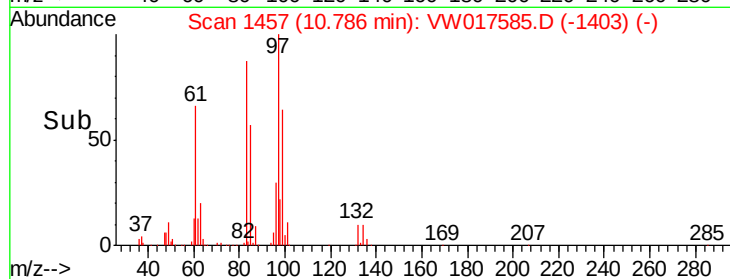
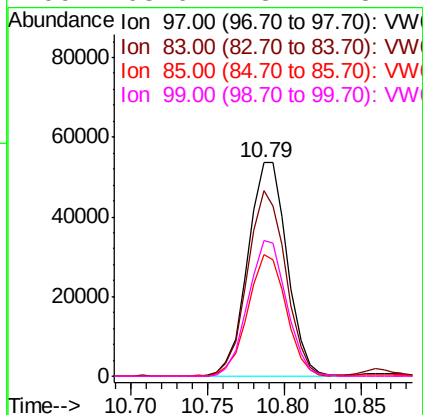
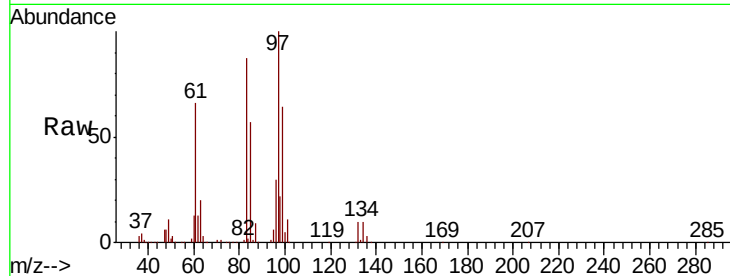




#46
 1,1,2-Trichloroethane
 Concen: 26.087 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

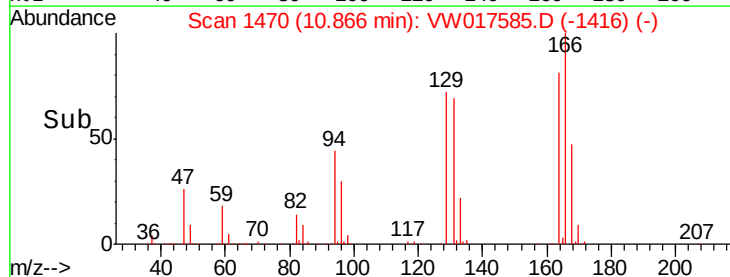
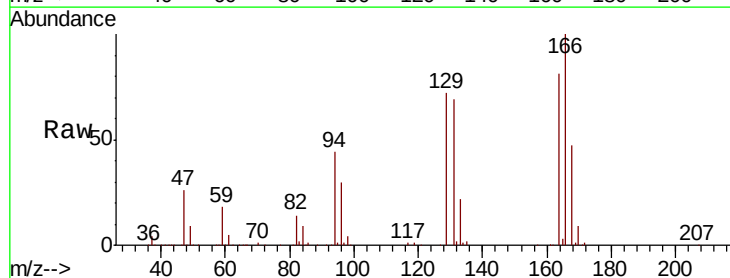
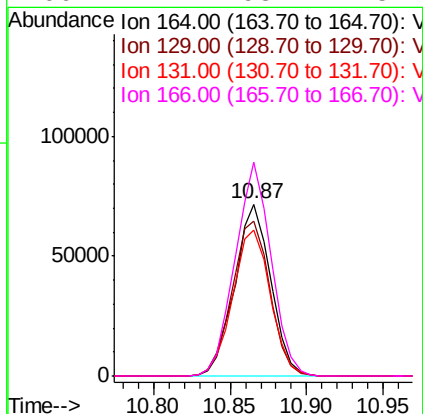
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02531

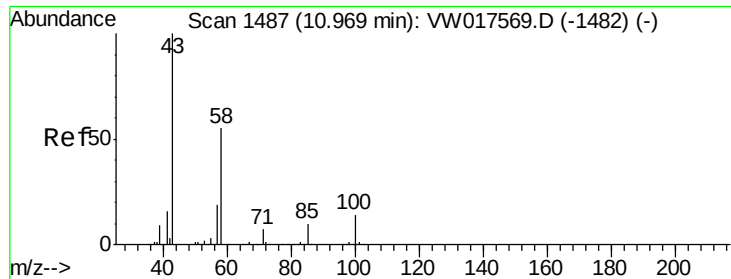
Tot Ion	97	Resp	96175
Ion	Ratio	Lower	Upper
97	100		
83	86.9	58.5	108.7
85	57.1	37.8	70.2
99	63.6	43.7	81.1



#47
 Tetrachloroethene
 Concen: 24.075 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

Tgt Ion	164	Resp	117419
Ion	Ratio	Lower	Upper
164	100		
129	89.8	67.6	125.6
131	85.1	65.2	121.2
166	124.1	93.2	173.2

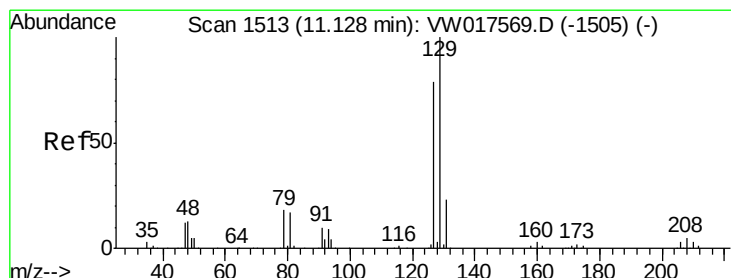
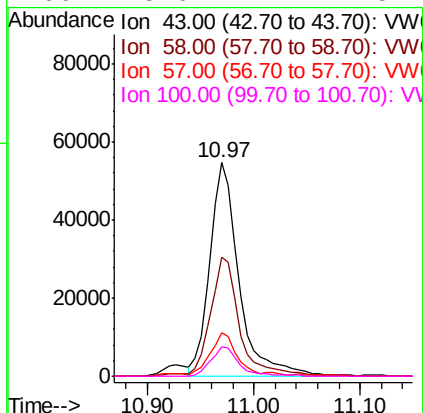
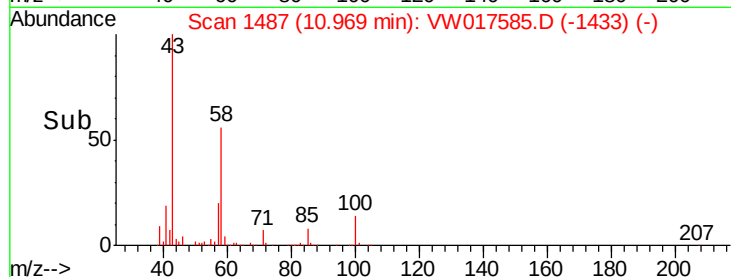
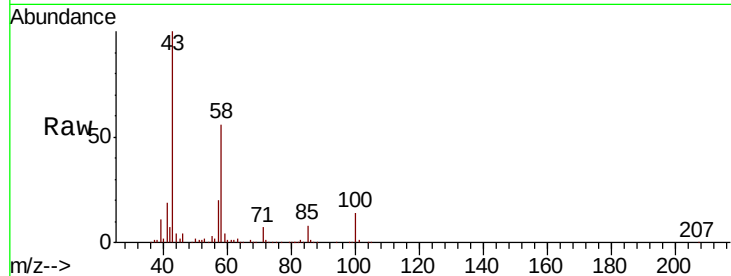




#49
2-Hexanone
Concen: 61.895 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017585.D
Acq: 07 Dec 2020 17:40

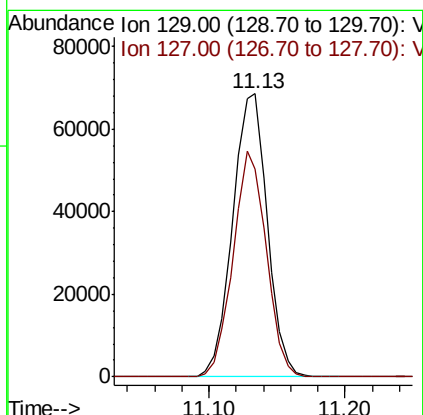
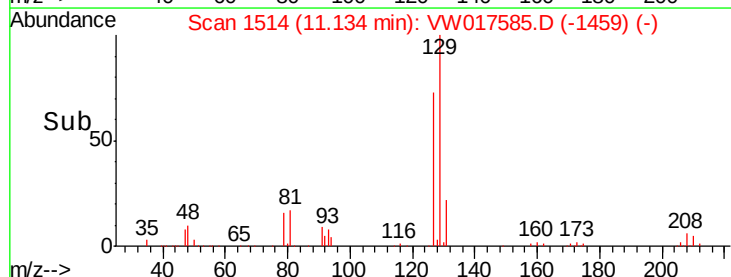
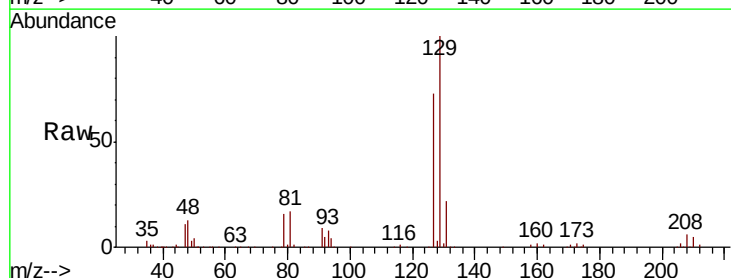
Instrument :
MSVOA_W
ClientSampleId :
VSTD02531

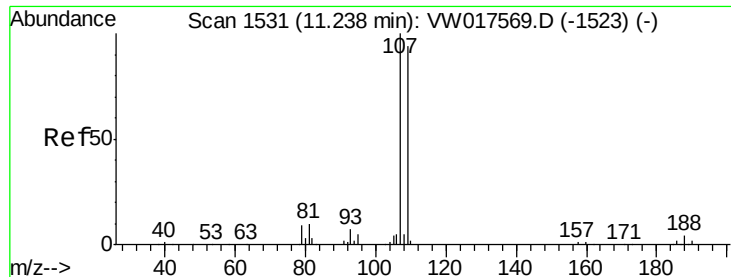
Tot Ion:	43	Resp:	103182
Ion	Ratio	Lower	Upper
43	100		
58	55.5	51.3	76.9
57	18.4	15.0	22.6
100	13.6	12.2	18.2



#50
Dibromochloromethane
Concen: 26.608 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW017585.D
Acq: 07 Dec 2020 17:40

Tgt Ion:	129	Resp:	121591
Ion	Ratio	Lower	Upper
129	100		
127	73.3	53.2	98.8





#51

1,2-Dibromoethane

Concen: 26.123 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02531

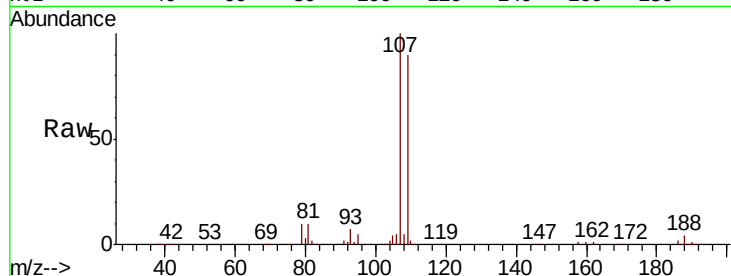
Tot Ion:107 Resp: 92075

Ion Ratio Lower Upper

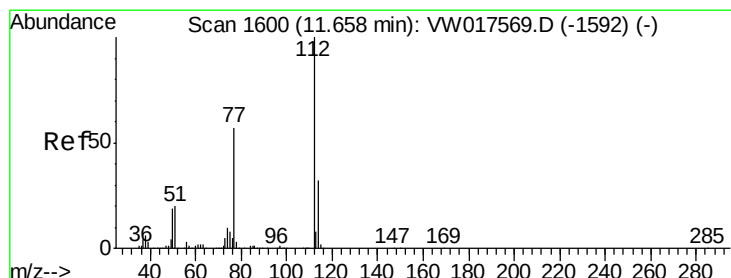
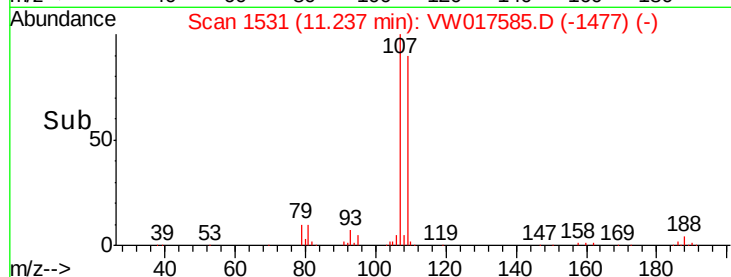
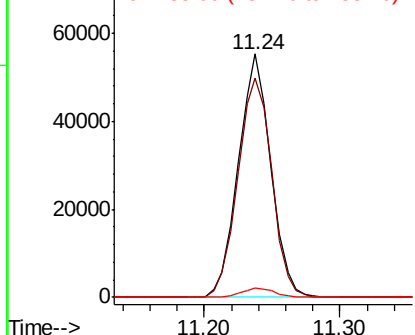
107 100

109 89.8 66.4 123.2

188 3.8 4.0 6.0#



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: 24.706 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

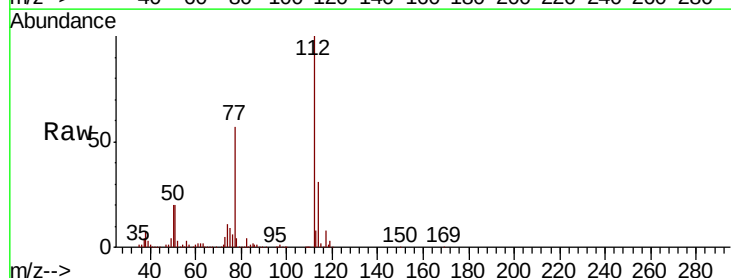
Tgt Ion:112 Resp: 360238

Ion Ratio Lower Upper

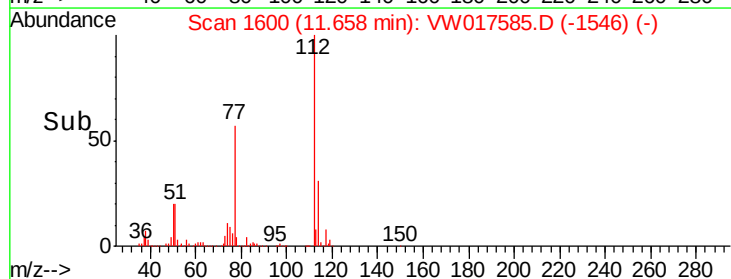
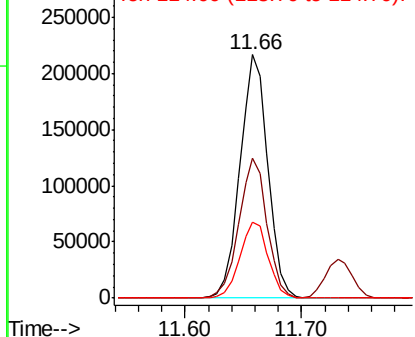
112 100

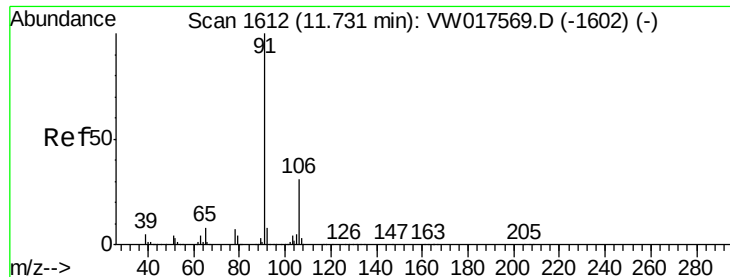
77 57.4 42.6 64.0

114 31.1 21.6 40.2



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: 25.413 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

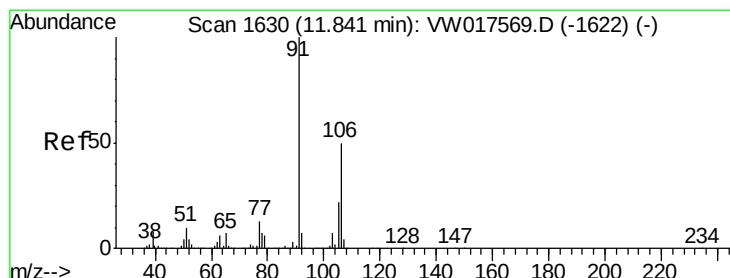
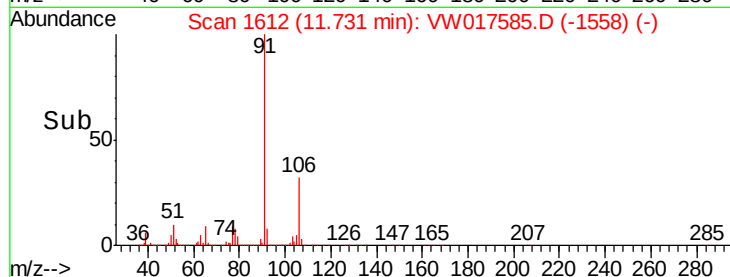
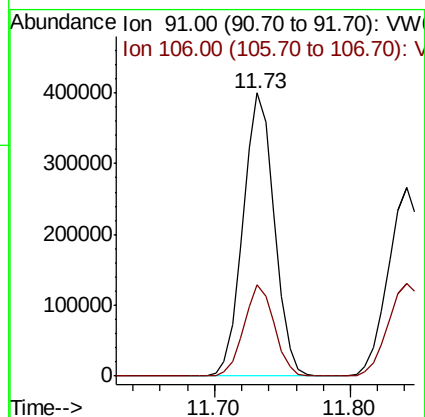
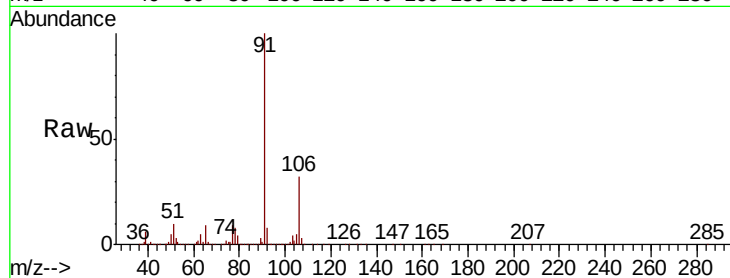
VSTD02531

Tot Ion: 91 Resp: 641842

Ion Ratio Lower Upper

91 100

106 32.2 21.1 39.1



#54

m,p-Xylene

Concen: 25.356 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017585.D

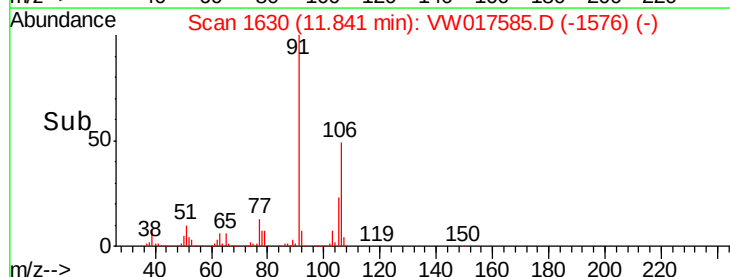
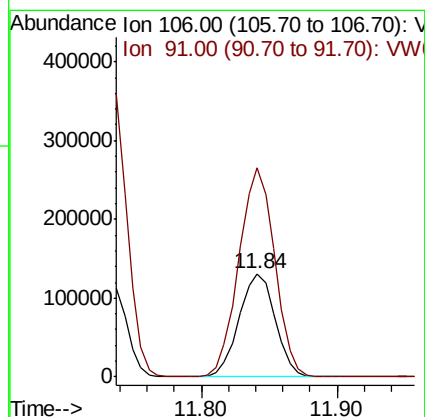
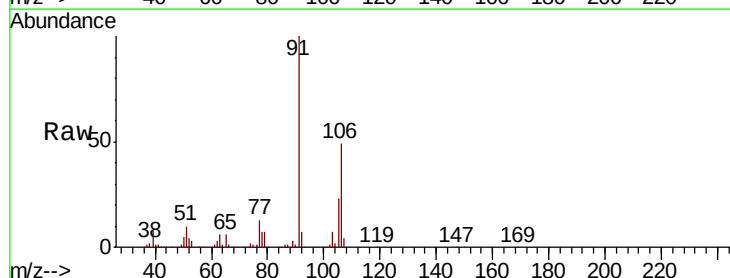
Acq: 07 Dec 2020 17:40

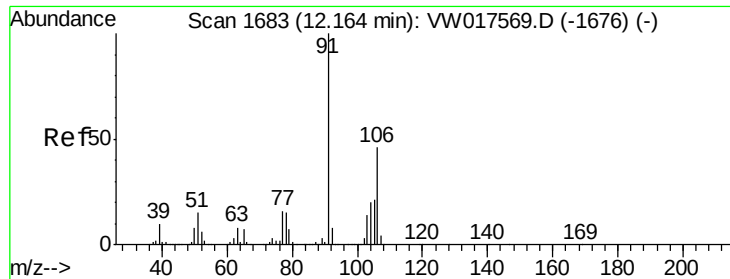
Tgt Ion: 106 Resp: 244102

Ion Ratio Lower Upper

106 100

91 202.5 136.4 253.4

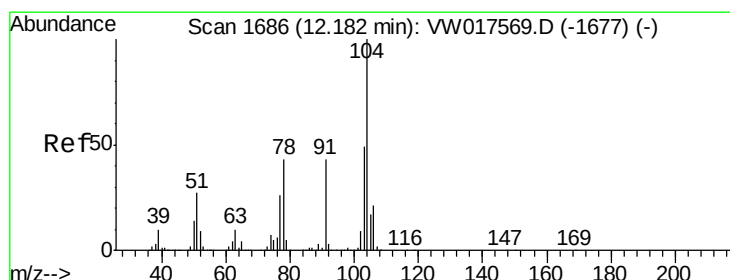
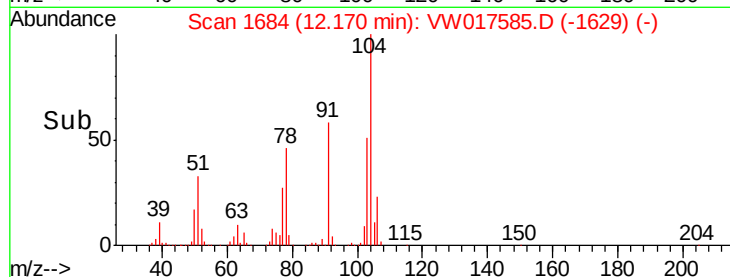
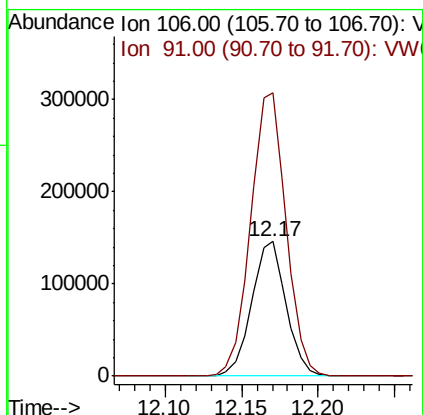
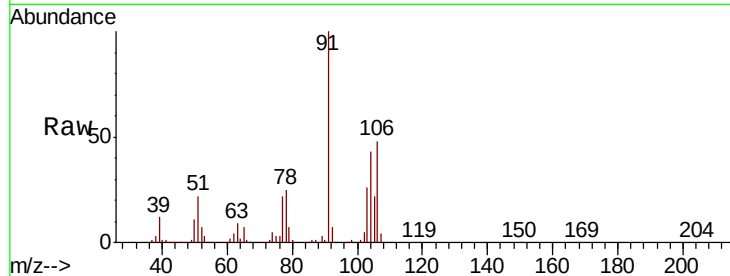




#55
o-xylene
Concen: 25.470 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017585.D
Acq: 07 Dec 2020 17:40

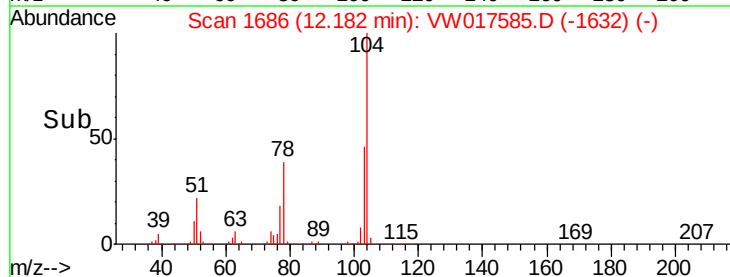
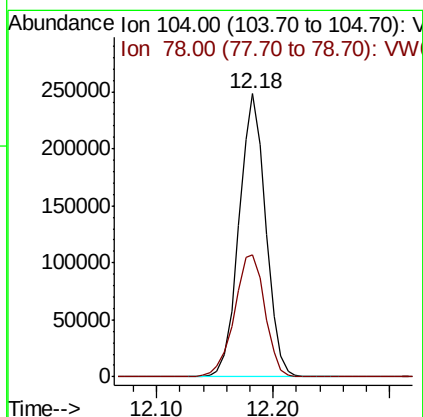
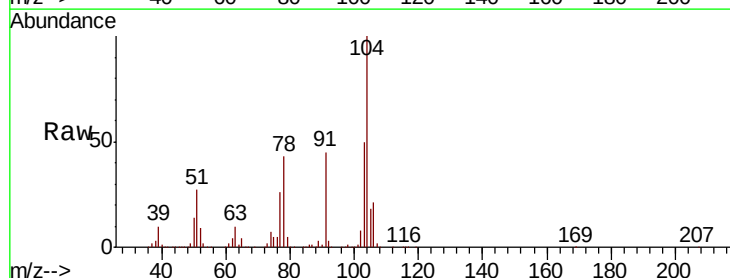
Instrument :
MSVOA_W
ClientSampled :
VSTD02531

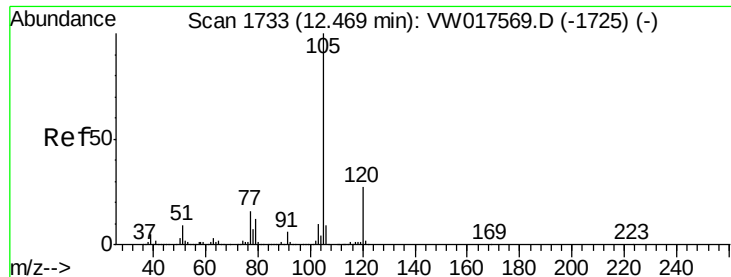
Tot Ion:106 Resp: 228284
Ion Ratio Lower Upper
106 100
91 210.1 147.6 274.2



#56
Styrene
Concen: 26.149 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017585.D
Acq: 07 Dec 2020 17:40

Tgt Ion:104 Resp: 394700
Ion Ratio Lower Upper
104 100
78 43.3 31.3 58.1





#57

Isopropylbenzene

Concen: 26.185 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02531

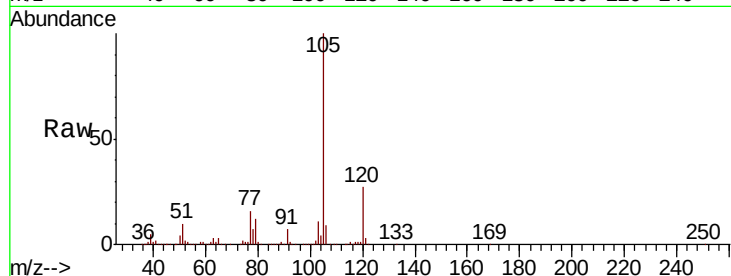
Tot Ion:105 Resp: 644934

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

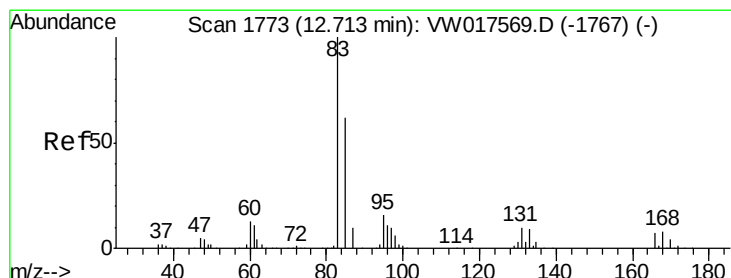
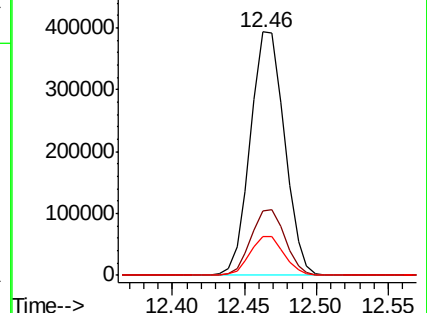
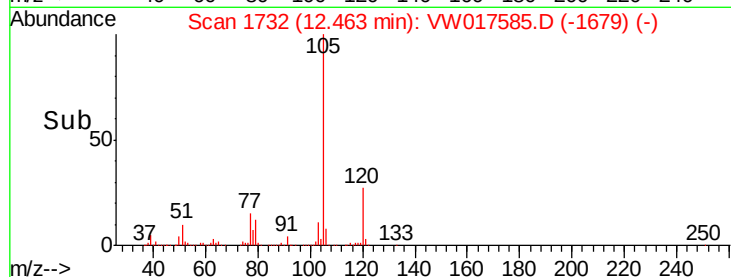
77 15.8 12.1 18.1



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: 28.444 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

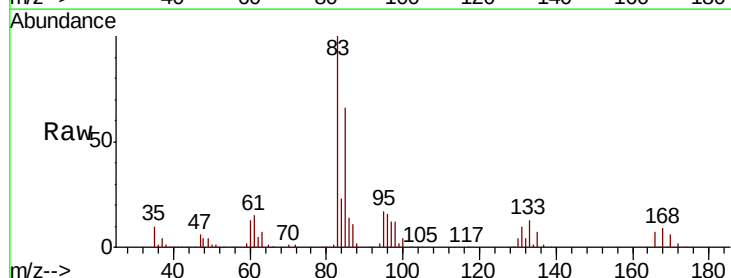
Tgt Ion: 83 Resp: 113559

Ion Ratio Lower Upper

83 100

85 65.6 45.3 84.1

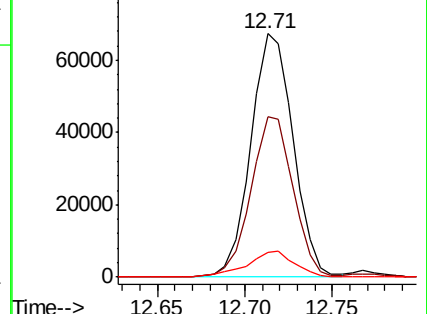
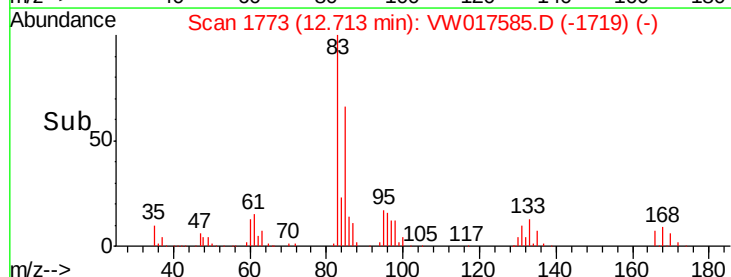
131 10.2 8.3 12.5

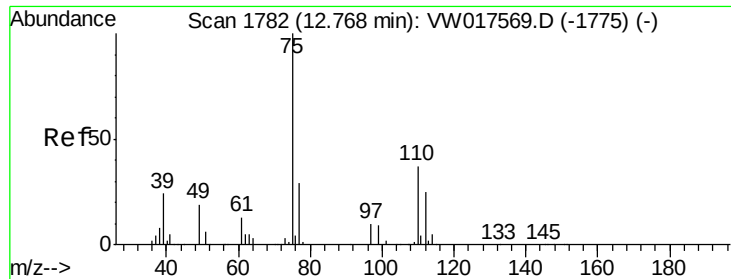


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.986 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

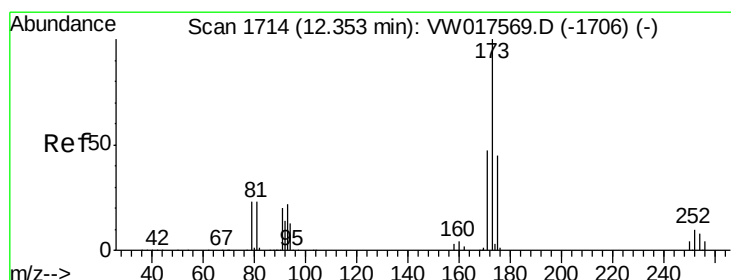
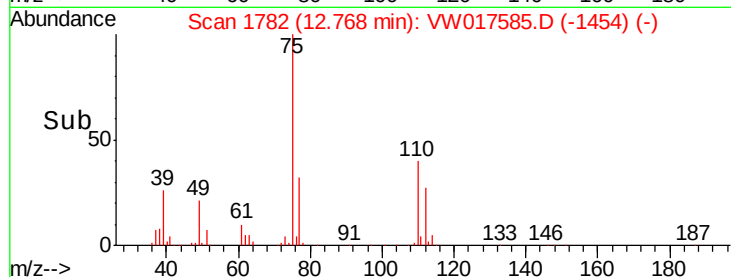
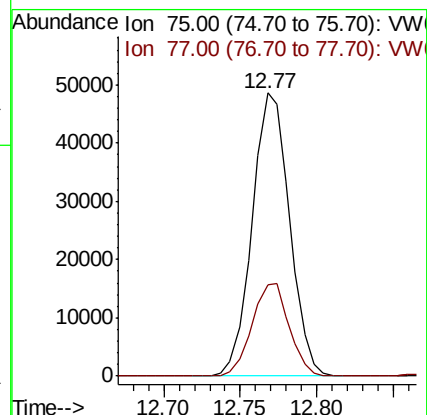
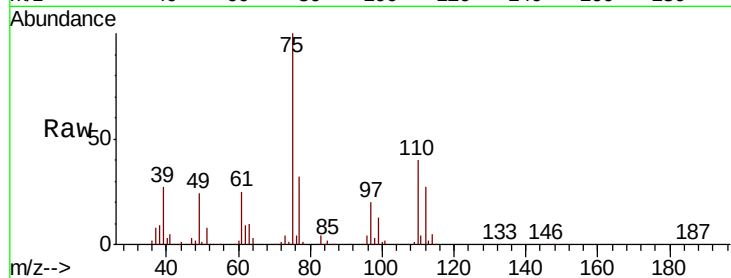
VSTD02531

Tot Ion: 75 Resp: 82486

Ion Ratio Lower Upper

75 100

77 32.5 26.6 39.8



#62

Bromoform

Concen: 26.659 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

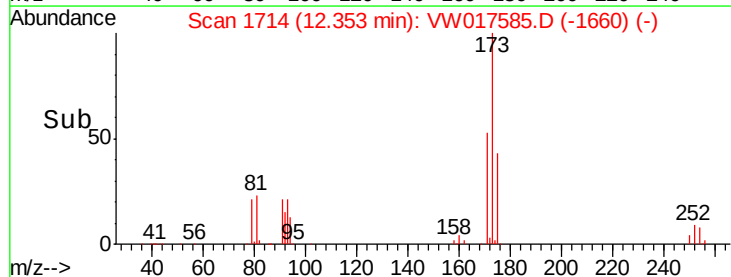
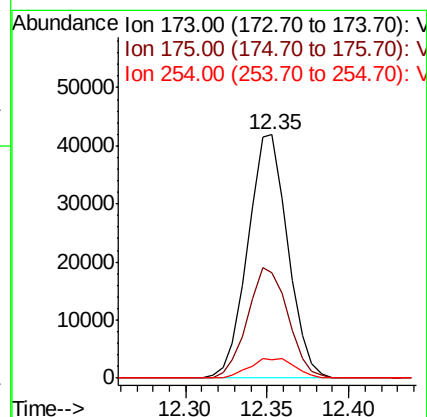
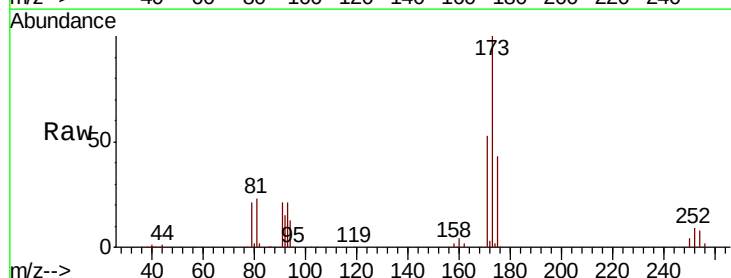
Tgt Ion: 173 Resp: 71585

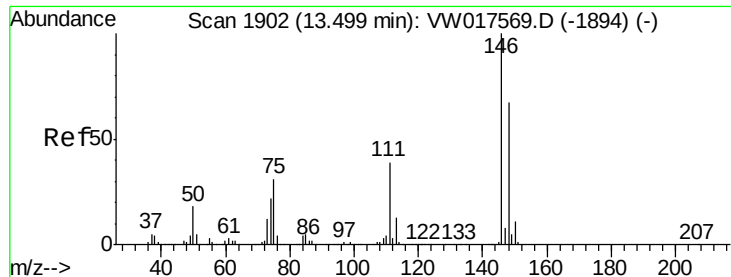
Ion Ratio Lower Upper

173 100

175 46.2 39.1 58.7

254 9.1 7.1 10.7

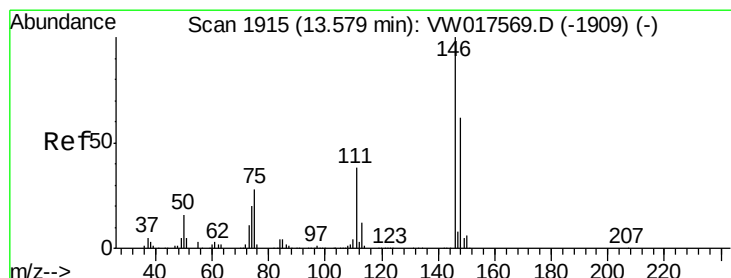
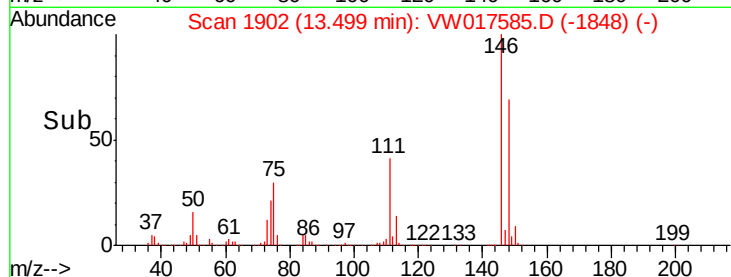
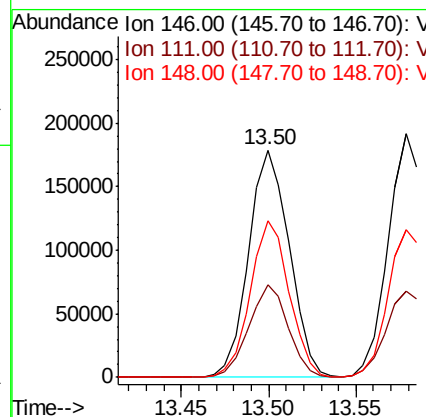
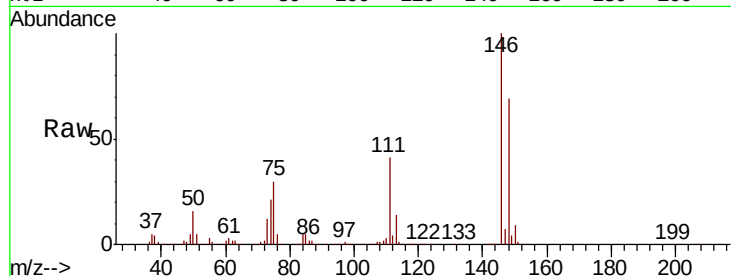




#63
 1,3-Dichlorobenzene
 Concen: 24.094 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

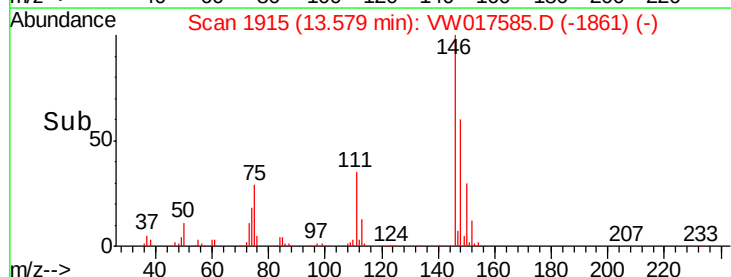
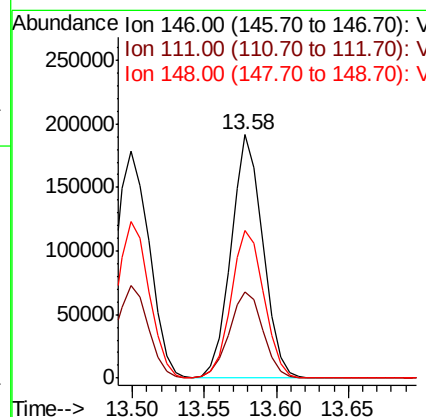
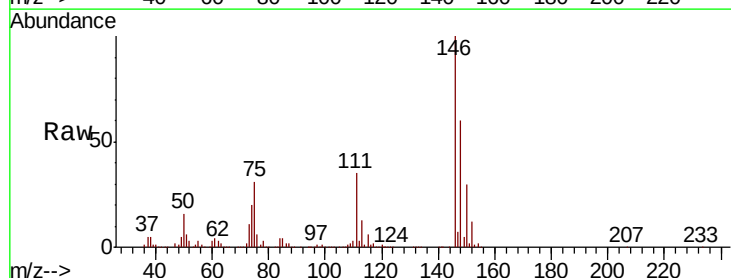
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02531

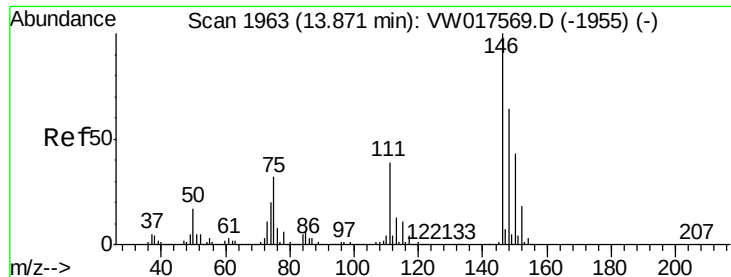
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	28.5	52.9
148	68.9	47.8	88.8



#64
 1,4-Dichlorobenzene
 Concen: 24.827 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	27.7	51.5
148	60.4	47.0	87.2

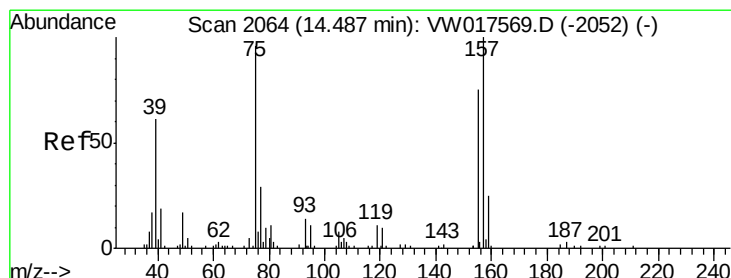
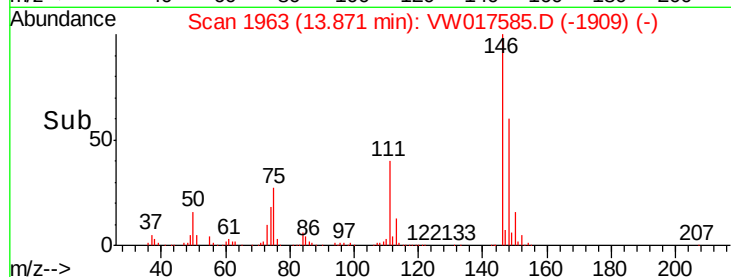
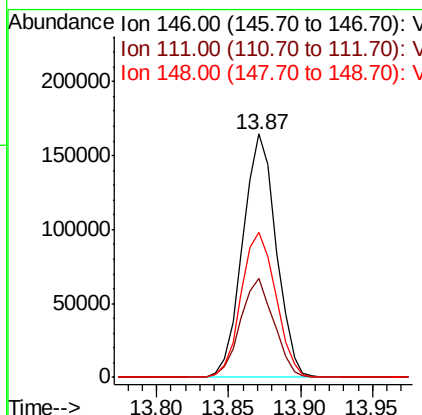
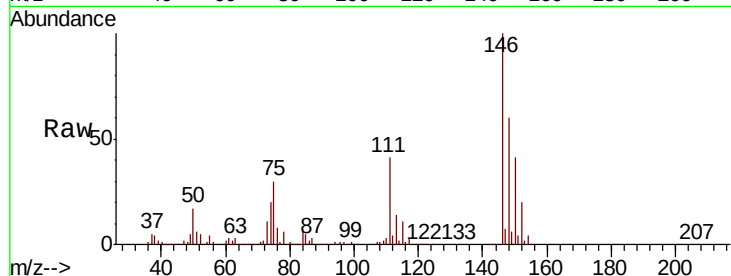




#65
 1,2-Dichlorobenzene
 Concen: 25.475 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

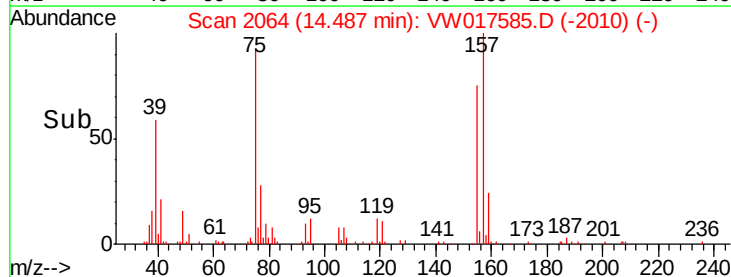
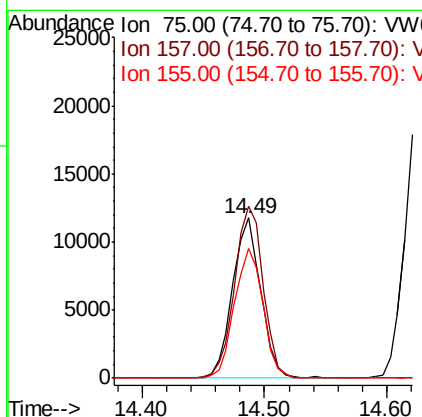
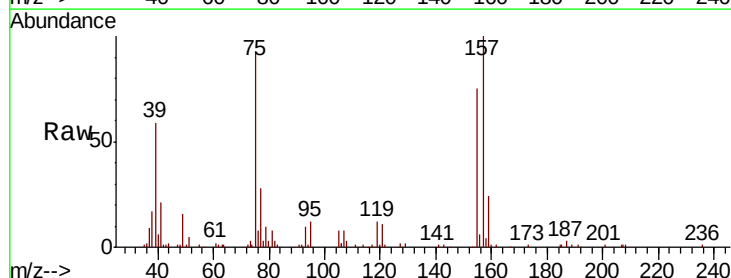
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02531

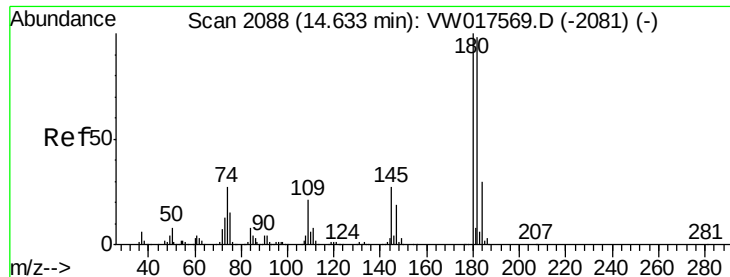
Tot Ion:146 Resp: 264661
 Ion Ratio Lower Upper
 146 100
 111 40.6 31.7 47.5
 148 59.7 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.086 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

Tgt Ion: 75 Resp: 18637
 Ion Ratio Lower Upper
 75 100
 157 107.3 99.9 149.9
 155 80.7 71.4 107.0

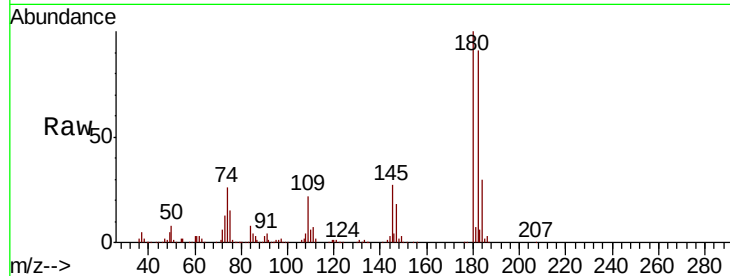




#67
 1,3,5-Trichlorobenzene
 Concen: 24.968 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02531

Tot Ion:180	Resp:	213174
Ion	Ratio	Lower Upper
180	100	
182	95.6	77.0 115.6
184	29.9	24.2 36.4
145	30.2	23.5 35.3



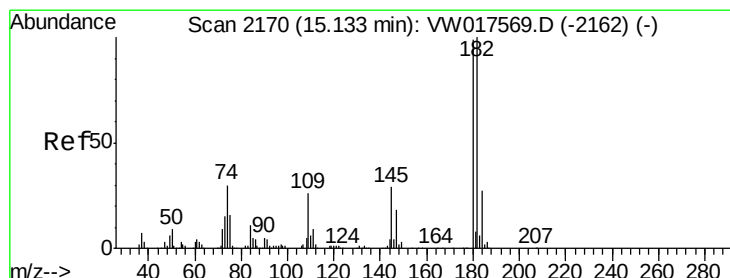
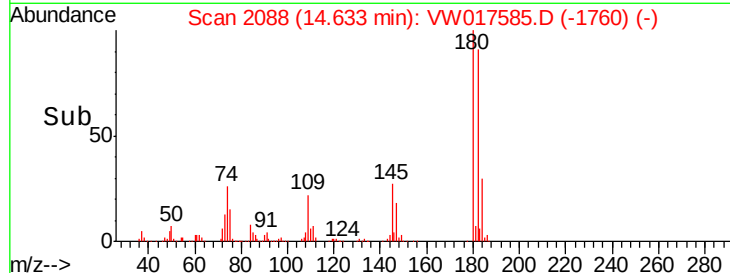
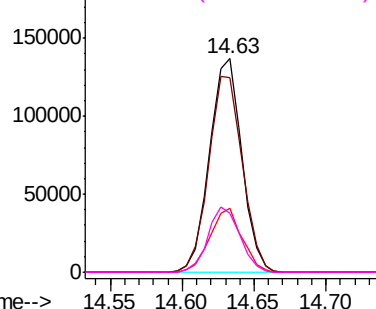
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

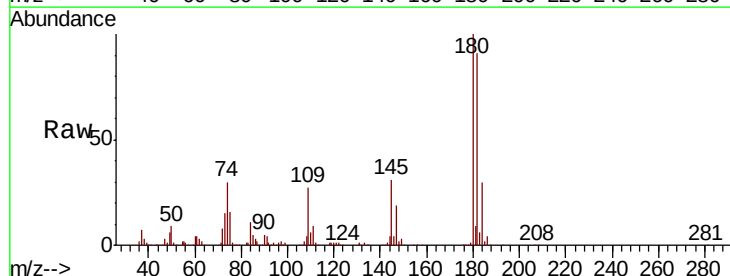
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.020 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017585.D
 Acq: 07 Dec 2020 17:40

Tgt Ion:180	Resp:	173743
Ion	Ratio	Lower Upper
180	100	
182	95.3	71.3 106.9
145	30.7	24.0 36.0

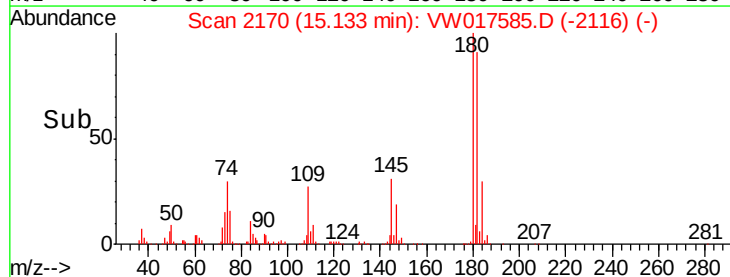
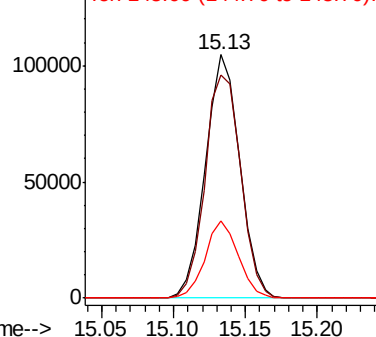


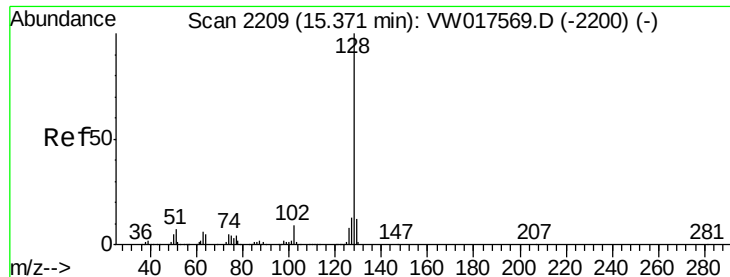
Abundance

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: 27.268 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02531

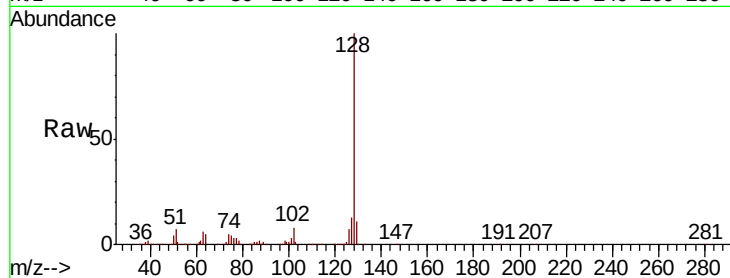
Tot Ion:128 Resp: 296955

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

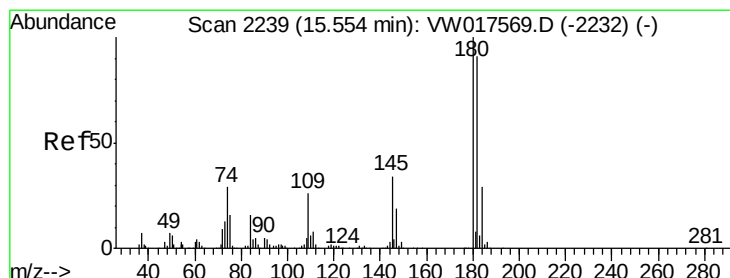
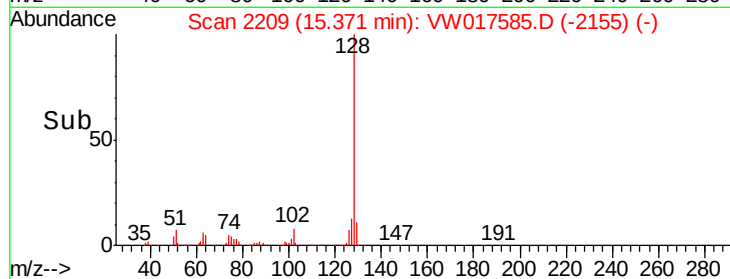
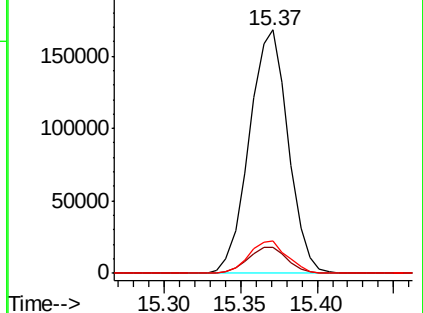
127 13.1 10.7 16.1



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: 26.877 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017585.D

Acq: 07 Dec 2020 17:40

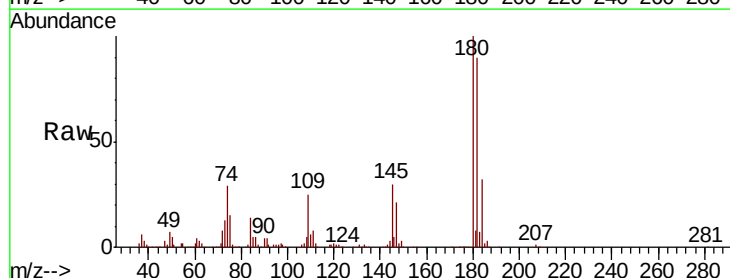
Tgt Ion:180 Resp: 156234

Ion Ratio Lower Upper

180 100

182 91.9 74.7 112.1

145 32.4 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

