

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017567.D
 Acq On : 04 Dec 2020 19:35
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Dec 05 07:39:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 05 07:36:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	393140	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	356253	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192014	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	111916	21.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.24%
7) Chloroethane-d5	2.89	69	95602	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.28%
10) 1,1-Dichloroethene-d2	4.03	63	252272	21.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.32%
20) 2-Butanone-d5	7.08	46	66784	58.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.78%
24) Chloroform-d	7.65	84	273418	23.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	8.31	65	142609	25.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.60%
29) Benzene-d6	8.27	84	511024	22.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.64%
33) 1,2-Dichloropropane-d6	9.27	67	146302	23.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.88%
37) Toluene-d8	10.33	98	468563	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.72%
38) trans-1,3-Dichloropropene-	10.58	79	64581	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.32%
39) 2-Hexanone-d5	10.93	63	45320	57.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124002	27.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	163493	22.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	65758	17.814	ug/L	95
3) Chloromethane	2.22	50	83326	21.922	ug/L	98
5) Vinyl chloride	2.37	62	123456	25.556	ug/L	99
6) Bromomethane	2.79	94	84869	24.663	ug/L	99
8) Chloroethane	2.93	64	79697	24.712	ug/L	98
9) Trichlorofluoromethane	3.27	101	117011	21.613	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	136233	24.196	ug/L #	69
12) 1,1-Dichloroethene	4.06	96	127423	23.253	ug/L	93
13) Acetone	4.12	43	48944	44.331	ug/L	93
14) Carbon disulfide	4.40	76	359822	23.108	ug/L	99
15) Methyl Acetate	4.67	43	57475	30.513	ug/L	95
16) Methylene chloride	4.92	84	146619	24.732	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	160865	26.846	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	134196	23.894	ug/L	97
19) 1,1-Dichloroethane	6.22	63	243261	25.511	ug/L	99
21) 2-Butanone	7.18	43	73002	55.775	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	147648	25.099	ug/L	97

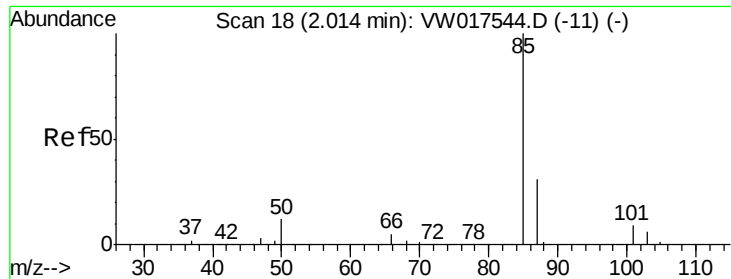
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
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 Quant Title : VOC Analysis
 QLast Update : Sat Dec 05 07:36:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66987	25.077	ug/L	94
25) Chloroform	7.68	83	262164	26.043	ug/L	100
27) 1,2-Dichloroethane	8.40	62	163209	26.686	ug/L	99
30) Cyclohexane	7.96	56	205880	24.114	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	216947	25.366	ug/L	99
32) Carbon tetrachloride	8.07	117	208848	25.180	ug/L	99
34) Benzene	8.33	78	548055	25.449	ug/L	100
35) Trichloroethene	9.09	95	145060	24.217	ug/L	99
36) Methylcyclohexane	9.34	83	232084	23.572	ug/L	99
40) 1,2-Dichloropropane	9.37	63	136016	26.771	ug/L	99
41) Bromodichloromethane	9.65	83	184791	26.303	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	210151	26.596	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	137876	57.991	ug/L	99
44) Toluene	10.39	91	589896	25.413	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	183993	27.055	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	103031	26.873	ug/L	96
47) Tetrachloroethene	10.87	164	126954	25.029	ug/L	94
49) 2-Hexanone	10.97	43	103794	59.869	ug/L	90
50) Dibromochloromethane	11.13	129	127083	26.741	ug/L	97
51) 1,2-Dibromoethane	11.24	107	99848	27.239	ug/L #	98
52) Chlorobenzene	11.66	112	384845	25.379	ug/L	96
53) Ethylbenzene	11.73	91	669374	25.484	ug/L	98
54) m,p-Xylene	11.84	106	255108	25.480	ug/L	95
55) o-xylene	12.17	106	238280	25.563	ug/L	97
56) Styrene	12.18	104	411892	26.239	ug/L	98
57) Isopropylbenzene	12.46	105	664102	25.927	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	121292	29.213	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	86899	28.350	ug/L	99
62) Bromoform	12.35	173	70707	25.454	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	302440	24.494	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	302102	24.472	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	270949	25.211	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	19261	27.060	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	199331	22.568	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	168645	23.476	ug/L	93
69) Naphthalene	15.37	128	301532	26.765	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	153855	25.586	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 17.814 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017567.D

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Instrument :

MSVOA_W

ClientSampleId :

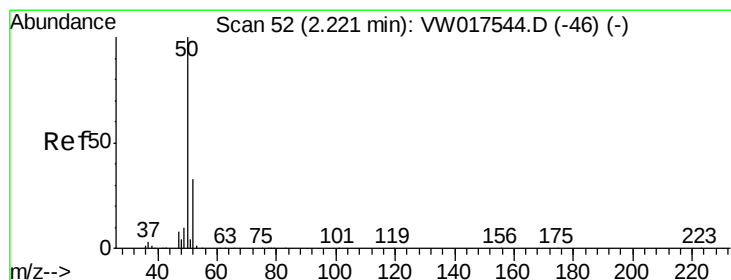
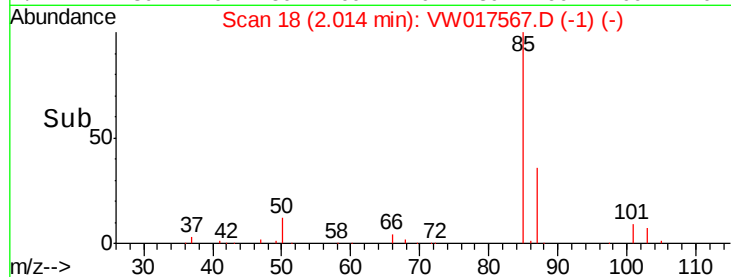
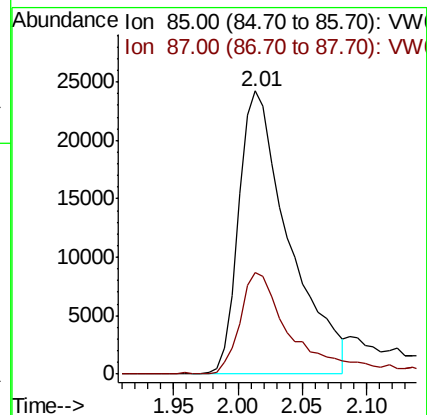
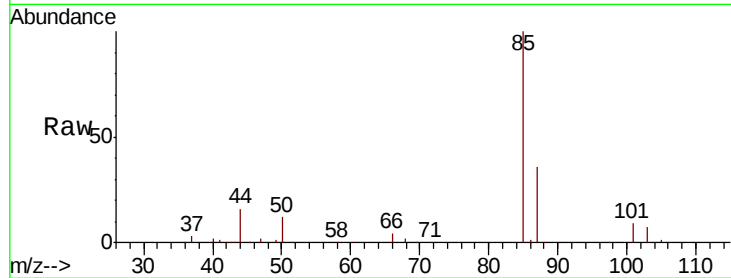
VSTD02529

Tot Ion: 85 Resp: 65758

Ion Ratio Lower Upper

85 100

87 36.1 23.2 43.0



#3

Chloromethane

Concen: 21.922 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW017567.D

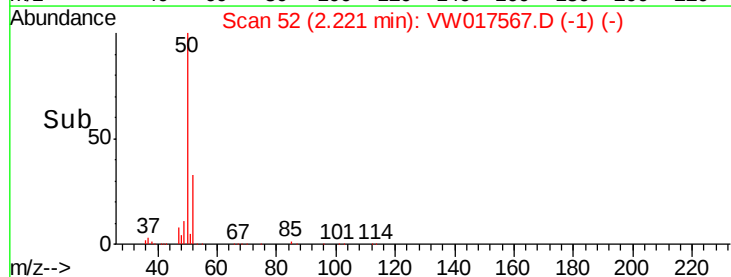
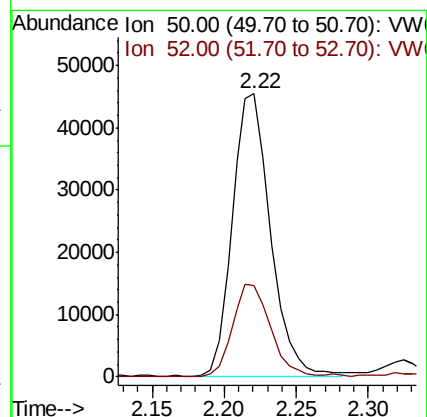
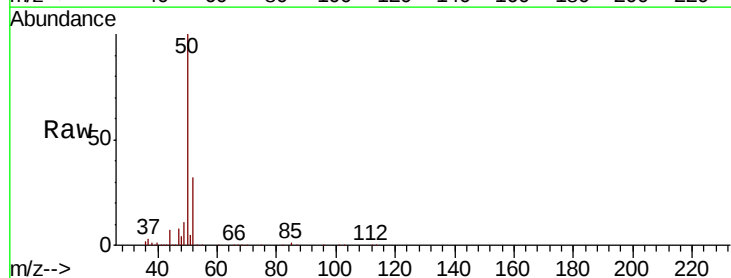
Acq: 04 Dec 2020 19:35

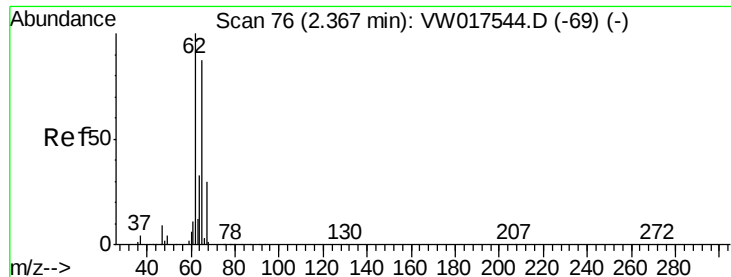
Tgt Ion: 50 Resp: 83326

Ion Ratio Lower Upper

50 100

52 32.4 23.4 43.6





#5

Vinyl chloride

Concen: 25.556 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

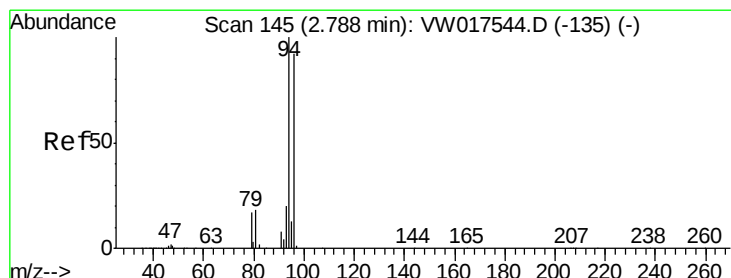
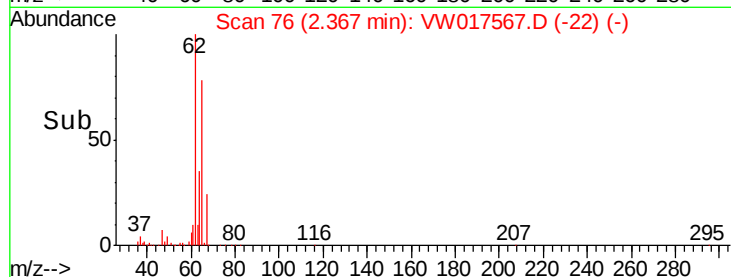
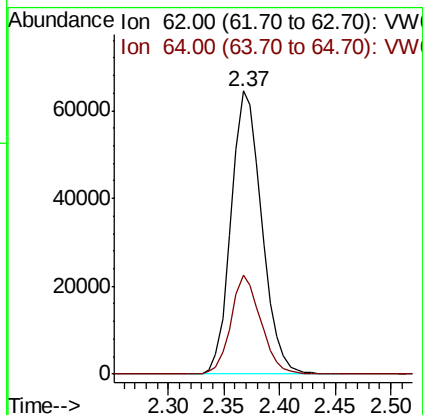
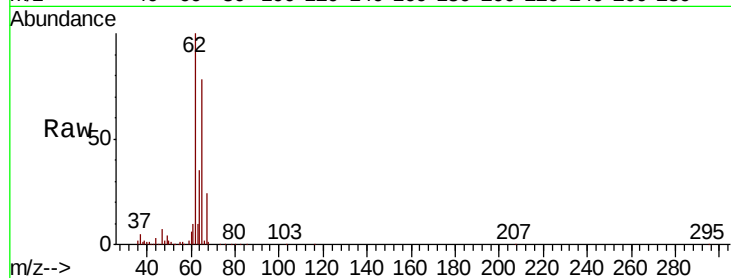
VSTD02529

Tot Ion: 62 Resp: 123456

Ion Ratio Lower Upper

62 100

64 34.8 23.9 44.5



#6

Bromomethane

Concen: 24.663 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017567.D

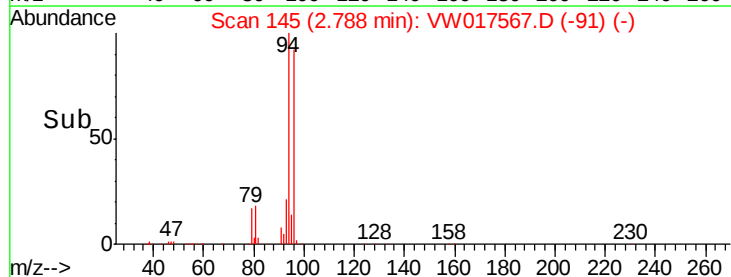
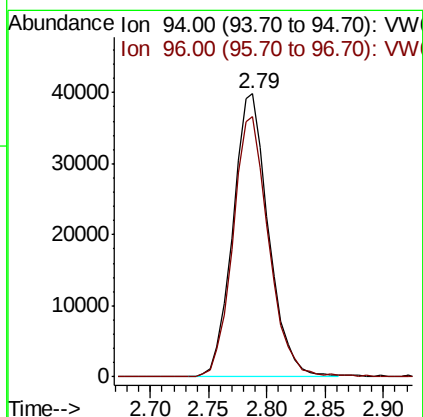
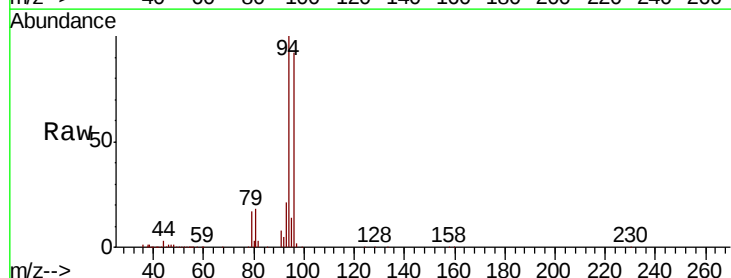
Acq: 04 Dec 2020 19:35

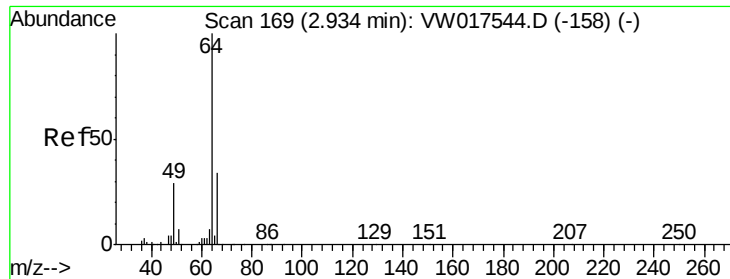
Tgt Ion: 94 Resp: 84869

Ion Ratio Lower Upper

94 100

96 92.7 9.4 178.0

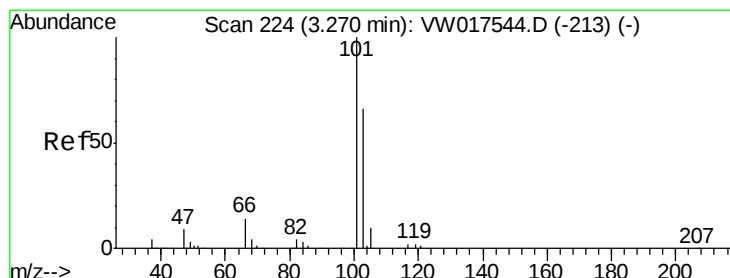
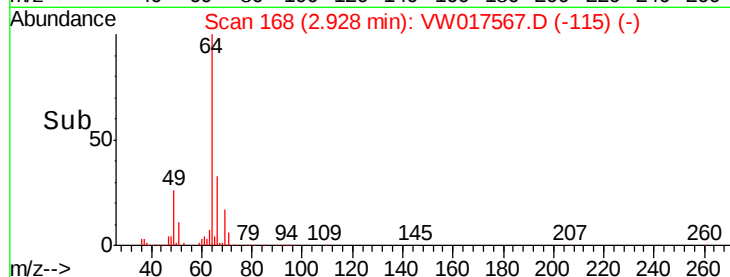
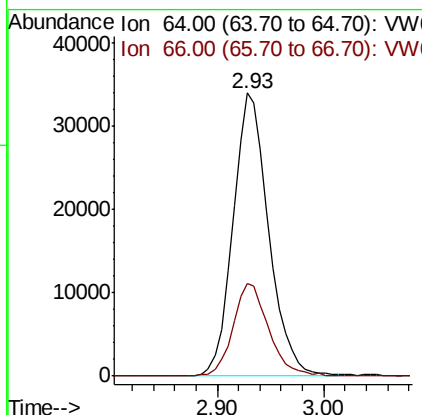
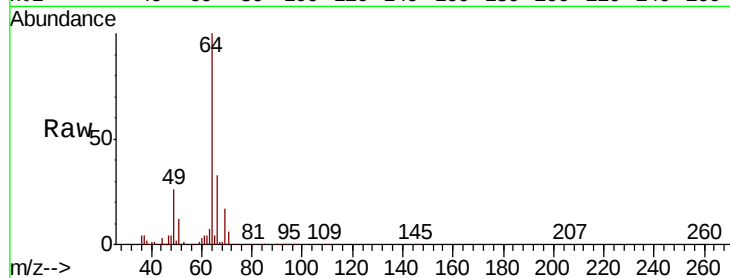




#8
Chloroethane
Concen: 24.712 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

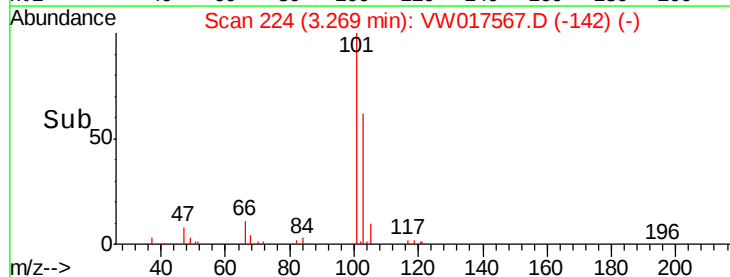
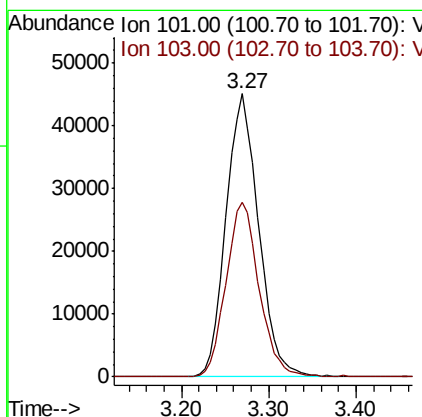
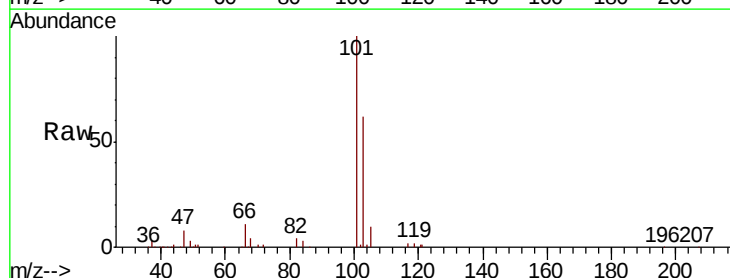
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

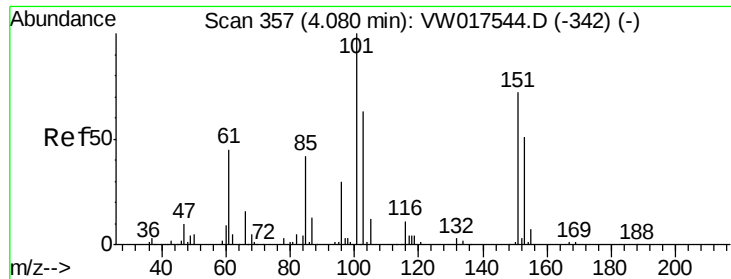
Tot Ion: 64 Resp: 79697
Ion Ratio Lower Upper
64 100
66 32.8 22.0 41.0



#9
Trichlorofluoromethane
Concen: 21.613 ug/L
RT: 3.27 min Scan# 224
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 101 Resp: 117011
Ion Ratio Lower Upper
101 100
103 62.3 45.0 83.6





#11

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

Concen: 24.196 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

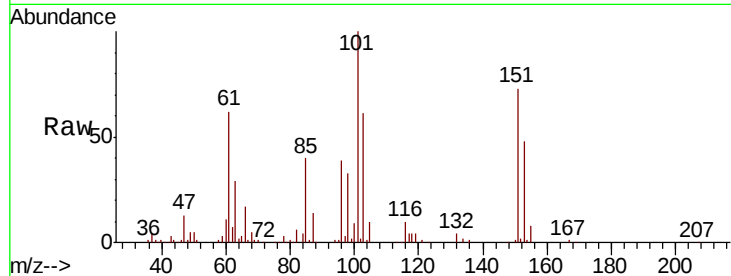
Tot Ion:101 Resp: 136233

Ion Ratio Lower Upper

101 100

85 43.7 34.2 51.4

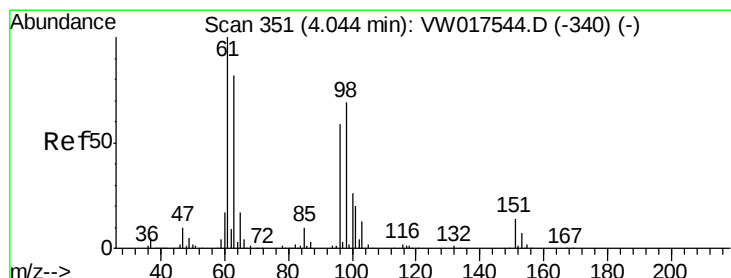
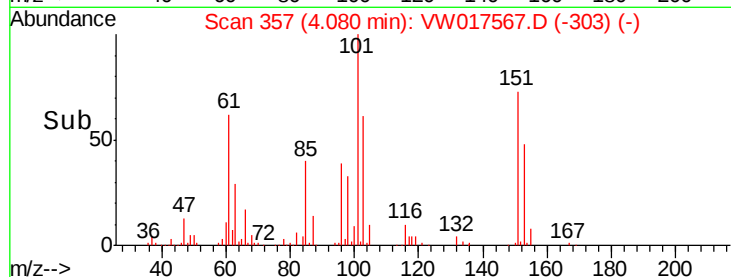
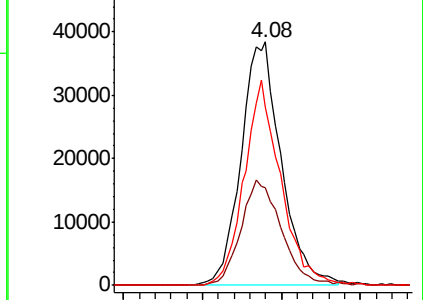
151 76.3 30.4 45.6#



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: 23.253 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

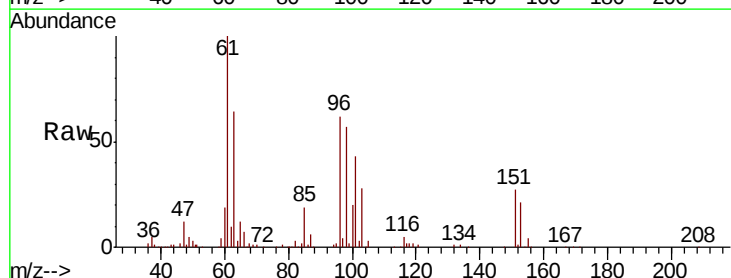
Tgt Ion: 96 Resp: 127423

Ion Ratio Lower Upper

96 100

61 161.8 112.5 208.9

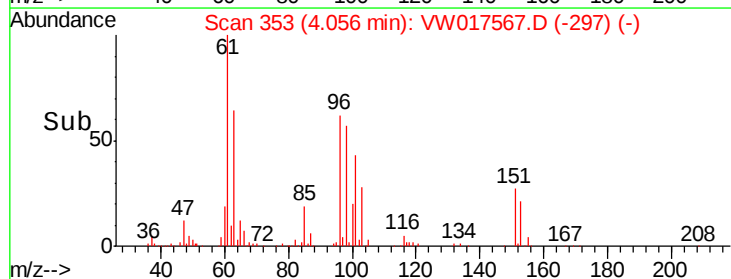
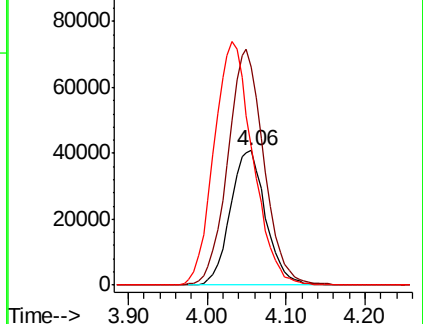
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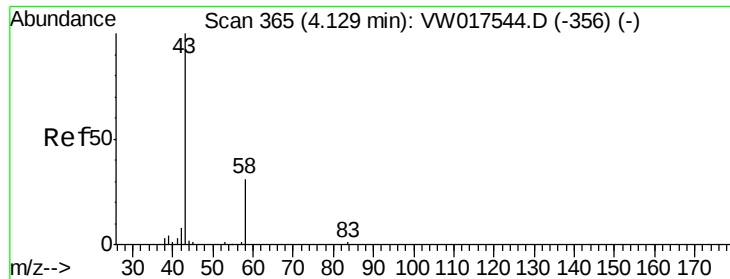


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.331 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

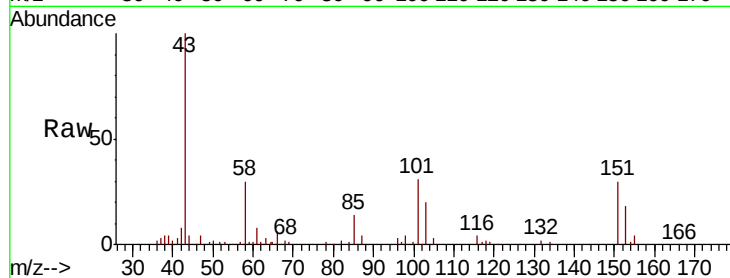
VSTD02529

Tot Ion: 43 Resp: 48944

Ion Ratio Lower Upper

43 100

58 30.3 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

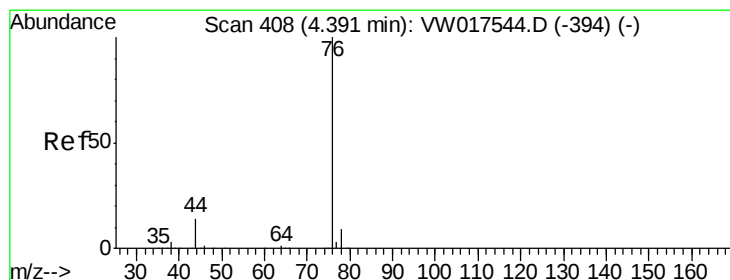
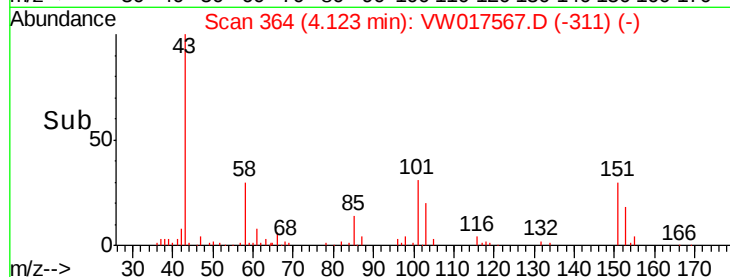
15000

10000

5000

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Time-->



#14

Carbon disulfide

Concen: 23.108 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017567.D

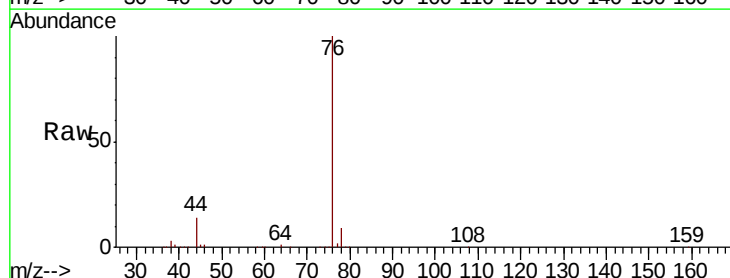
Acq: 04 Dec 2020 19:35

Tgt Ion: 76 Resp: 359822

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

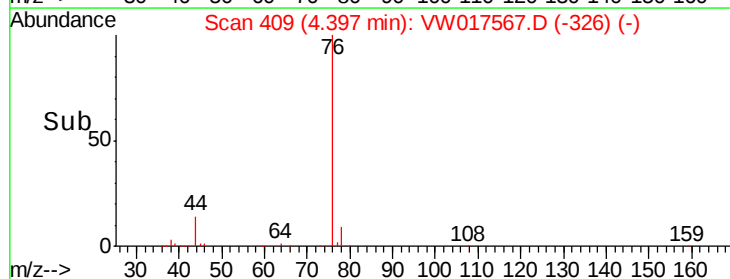
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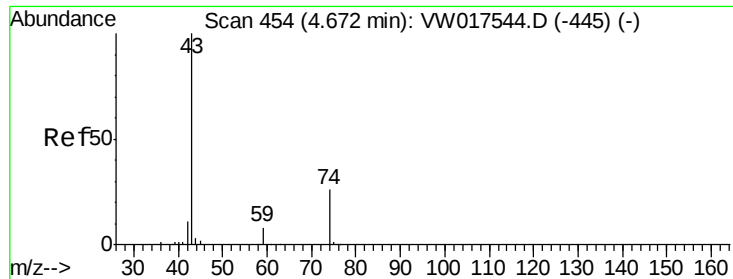
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 30.513 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

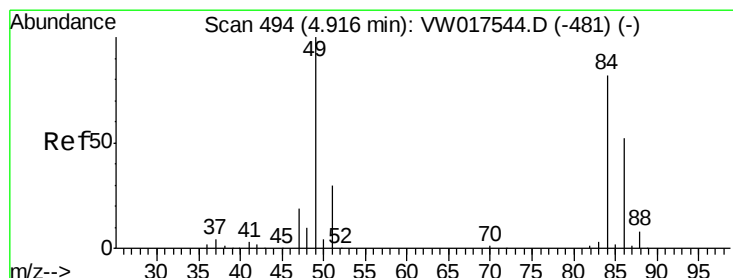
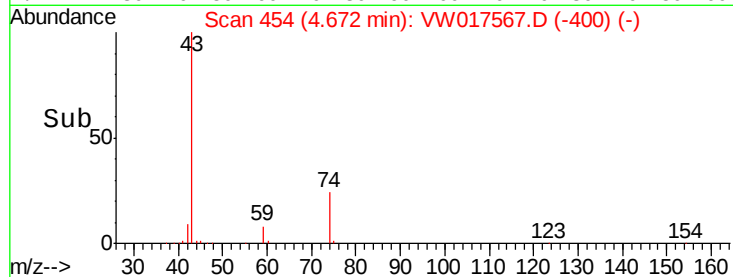
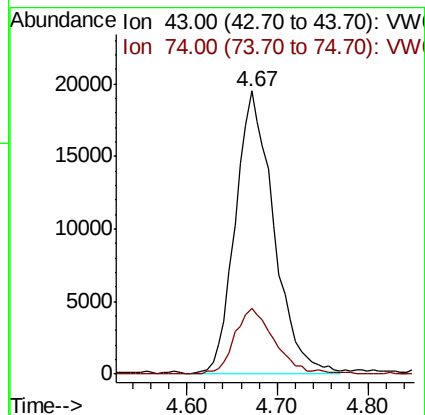
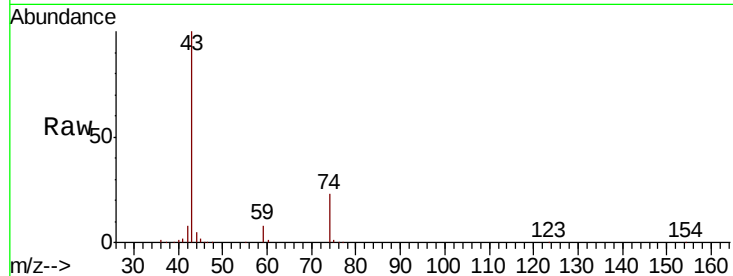
VSTD02529

Tot Ion: 43 Resp: 57475

Ion Ratio Lower Upper

43 100

74 23.6 20.7 31.1



#16

Methylene chloride

Concen: 24.732 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

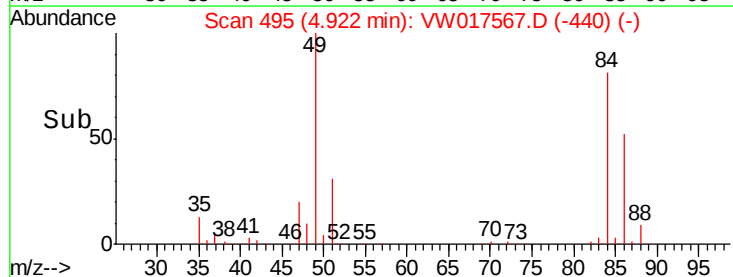
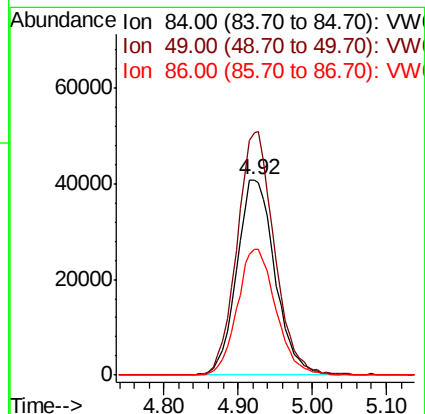
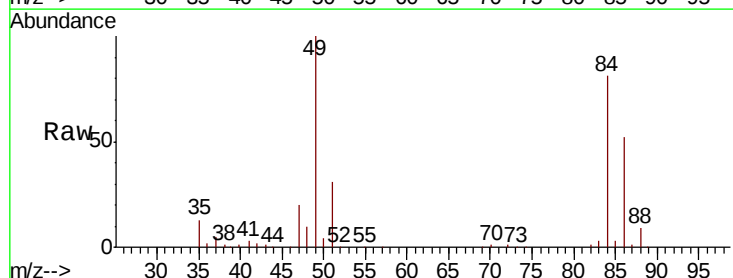
Tgt Ion: 84 Resp: 146619

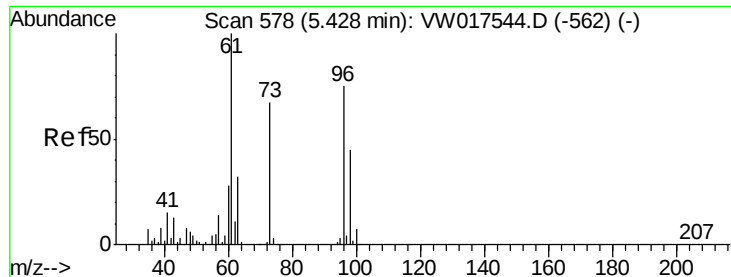
Ion Ratio Lower Upper

84 100

49 123.9 81.2 150.8

86 64.4 44.5 82.7

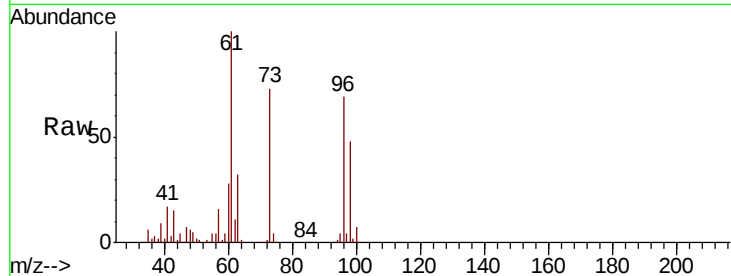




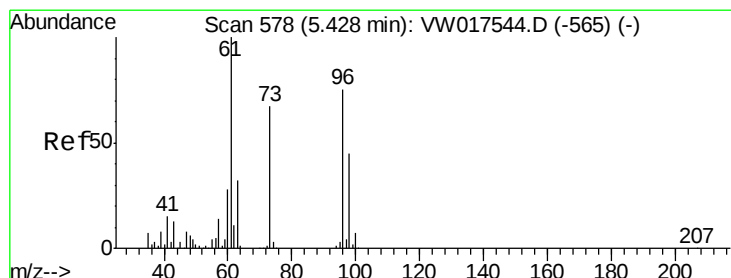
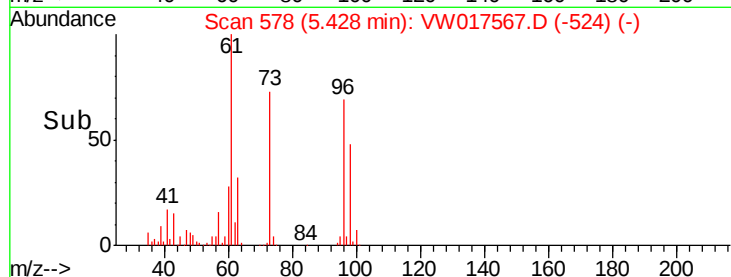
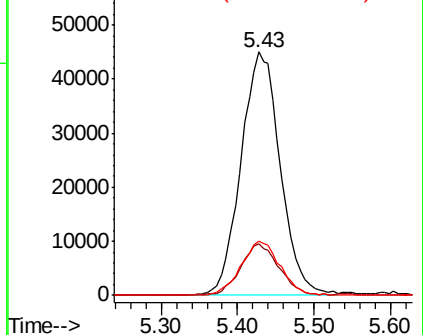
#17
Methvl tert-butvl Ether
Concen: 26.846 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Tot Ion: 73 Resp: 160865
Ion Ratio Lower Upper
73 100
43 20.3 16.2 24.4
57 21.9 17.2 25.8

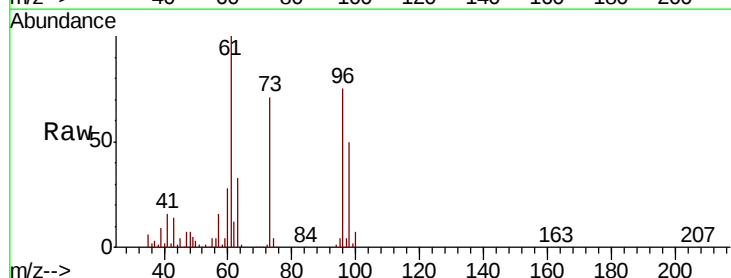


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

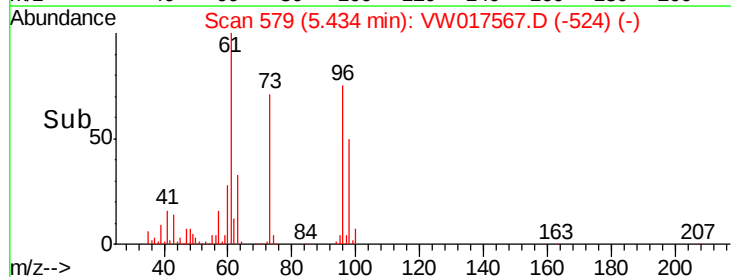
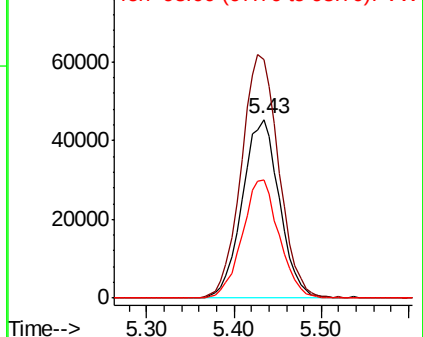


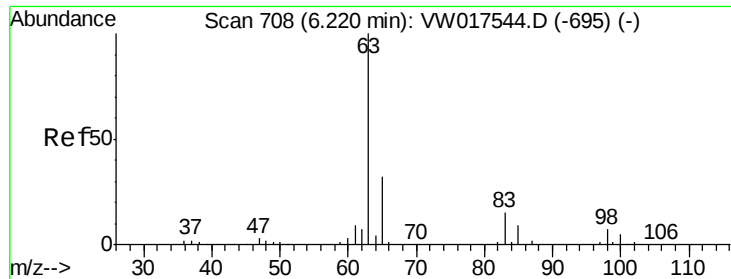
#18
trans-1,2-Dichloroethene
Concen: 23.894 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 96 Resp: 134196
Ion Ratio Lower Upper
96 100
61 133.7 92.7 172.1
98 66.5 43.3 80.3



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

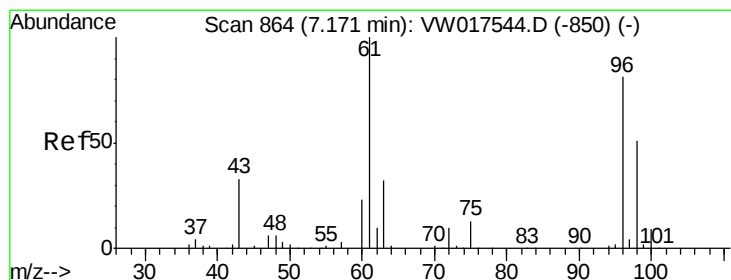
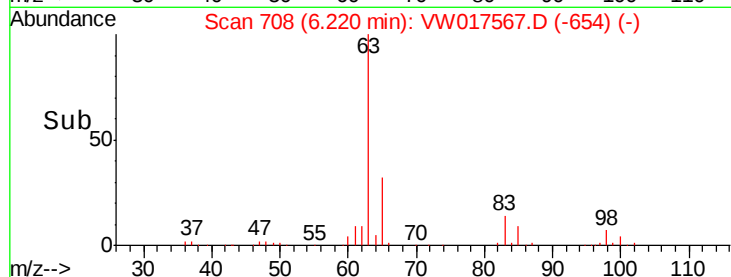
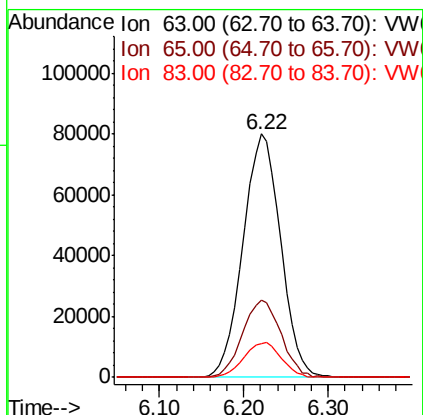
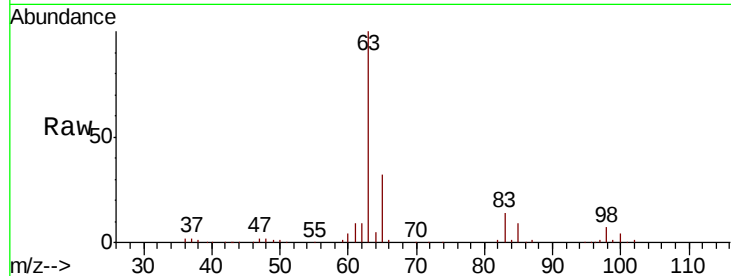




#19
 1,1-Dichloroethane
 Concen: 25.511 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

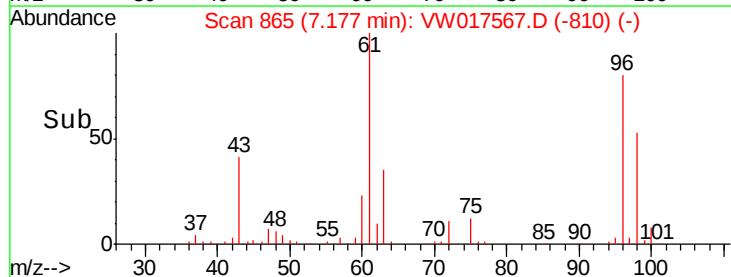
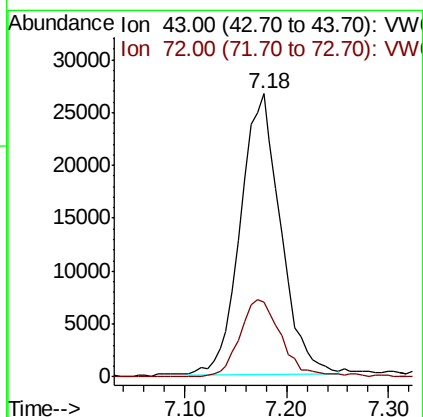
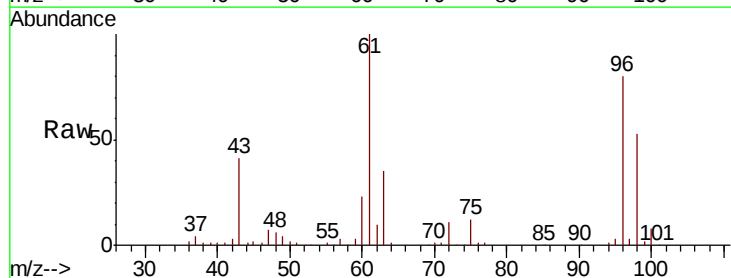
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

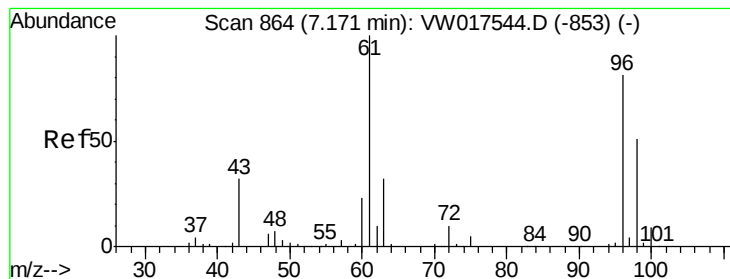
Tot Ion: 63 Resp: 243261
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.9 40.7
 83 14.0 9.4 17.6



#21
 2-Butanone
 Concen: 55.775 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion: 43 Resp: 73002
 Ion Ratio Lower Upper
 43 100
 72 27.3 14.4 43.2



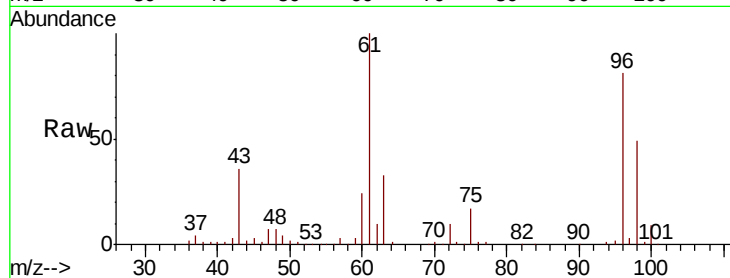


#22

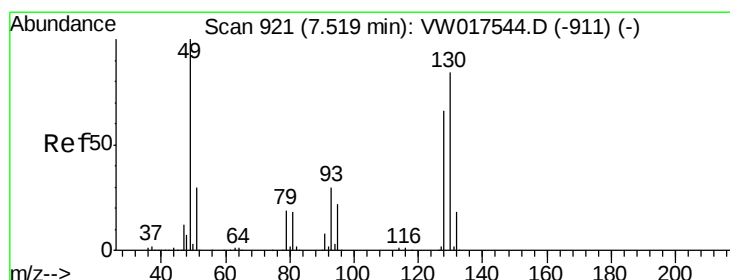
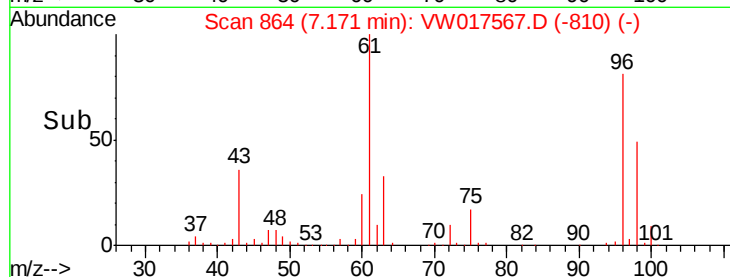
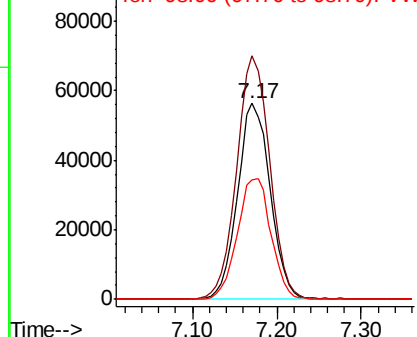
cis-1,2-Dichloroethene
Concen: 25.099 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Tot Ion: 96 Resp: 147648
Ion Ratio Lower Upper
96 100
61 124.1 84.6 157.2
98 61.0 44.7 82.9



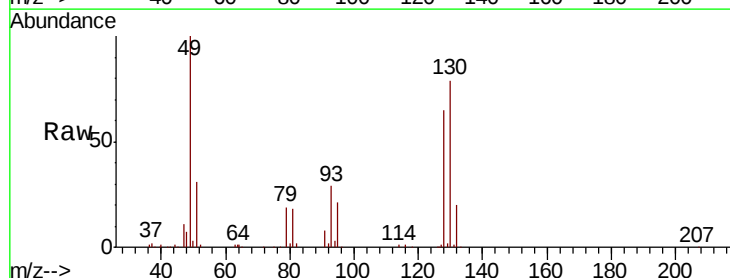
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



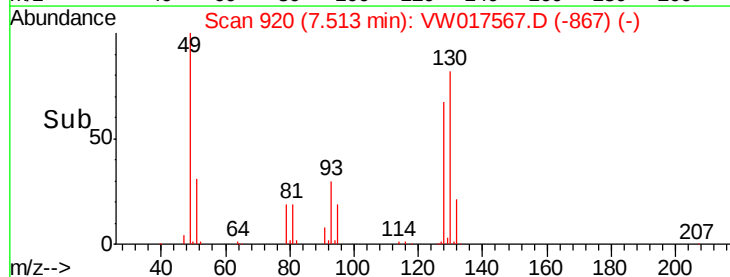
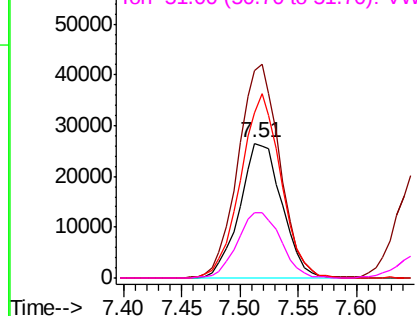
#23

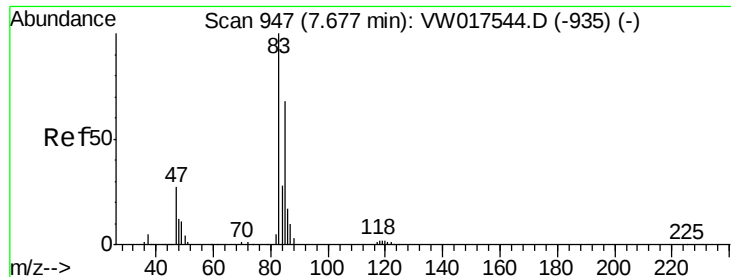
Bromochloromethane
Concen: 25.077 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 128 Resp: 66987
Ion Ratio Lower Upper
128 100
49 154.5 101.6 188.6
130 122.6 90.4 167.8
51 48.2 37.7 56.5



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

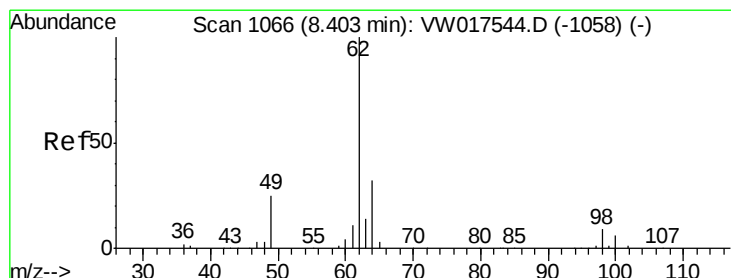
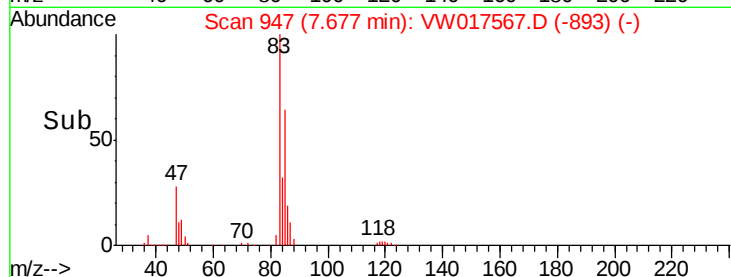
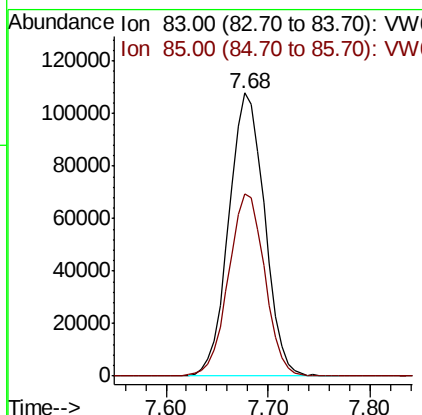
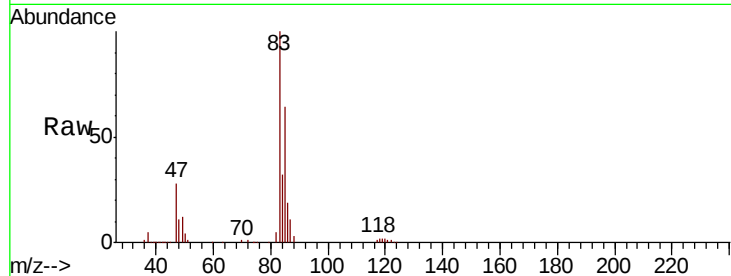




#25
Chloroform
Concen: 26.043 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

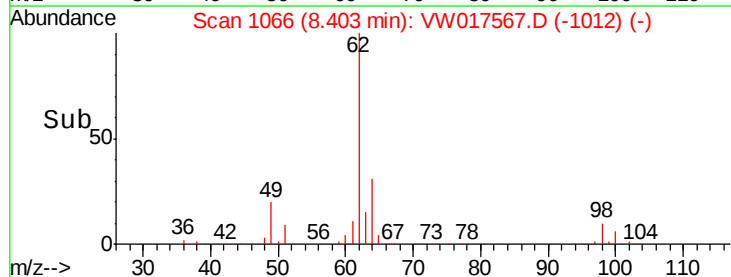
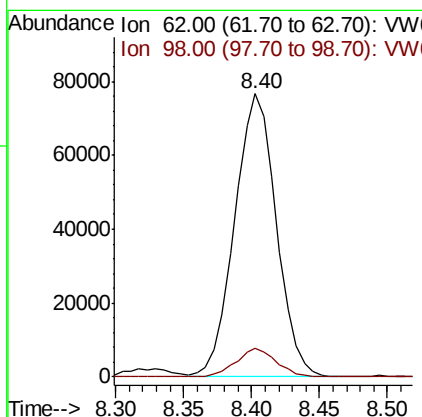
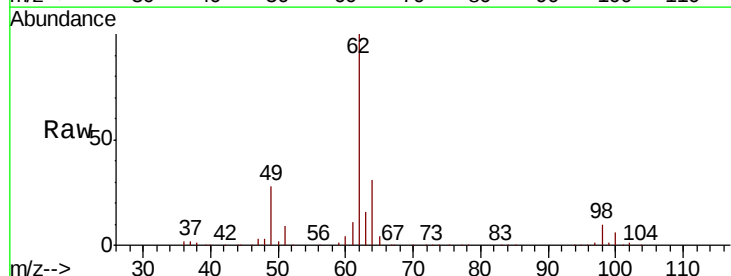
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

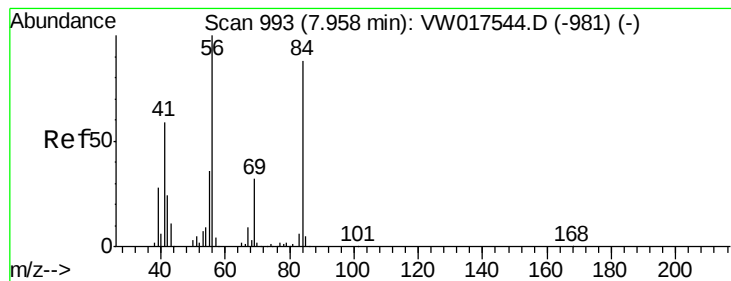
Tot Ion: 83 Resp: 262164
Ion Ratio Lower Upper
83 100
85 65.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 26.686 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 62 Resp: 163209
Ion Ratio Lower Upper
62 100
98 10.2 8.0 12.0





#30

Cvclohexane

Concen: 24.114 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

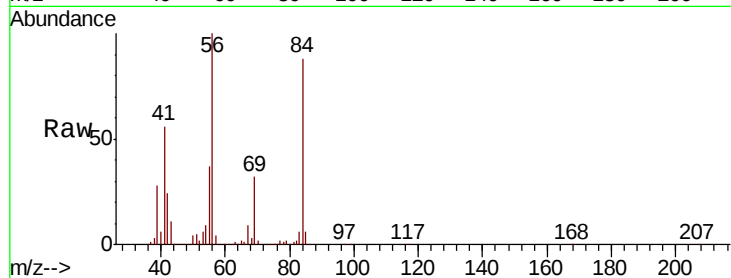
Tot Ion: 56 Resp: 205880

Ion Ratio Lower Upper

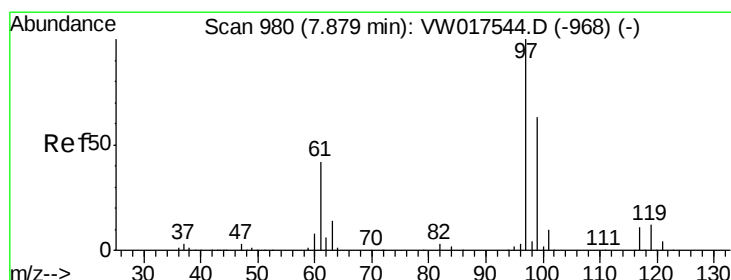
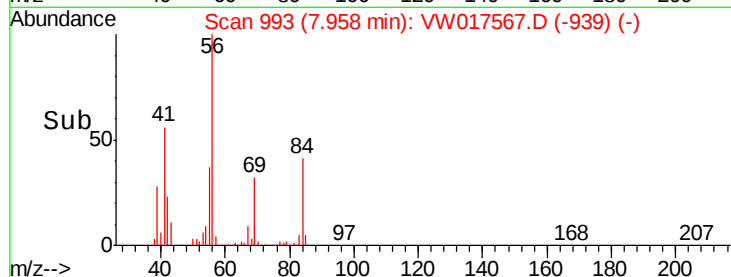
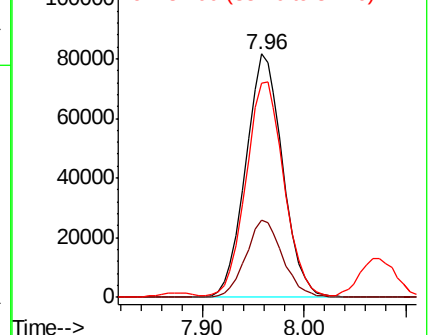
56 100

69 31.4 24.8 37.2

84 90.9 74.2 111.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 25.366 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

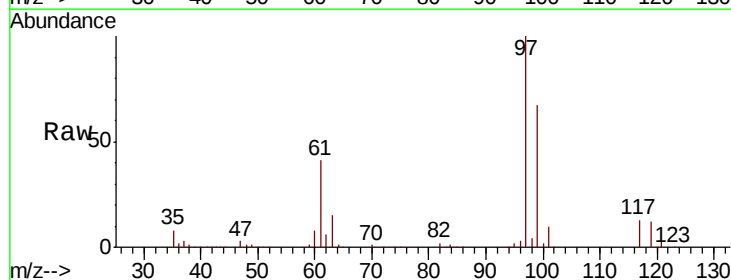
Tgt Ion: 97 Resp: 216947

Ion Ratio Lower Upper

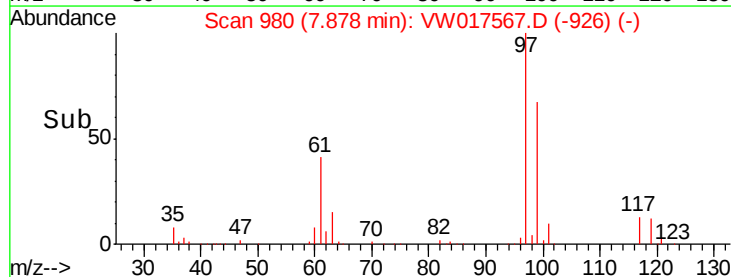
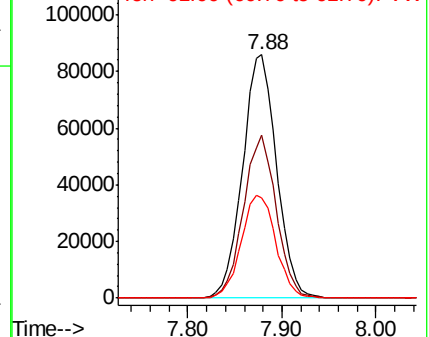
97 100

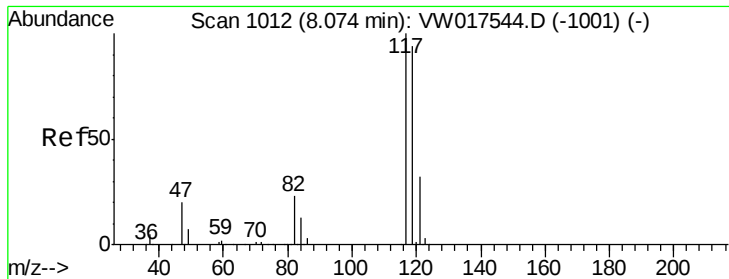
99 64.7 51.0 76.4

61 43.1 33.6 50.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW

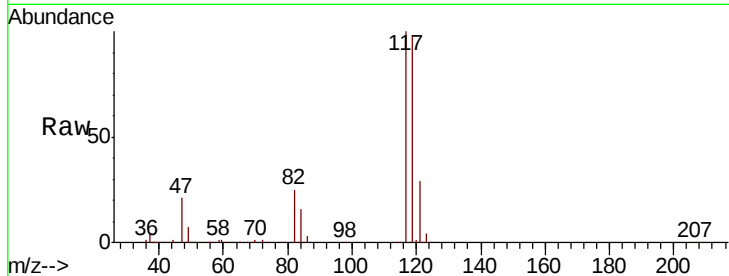




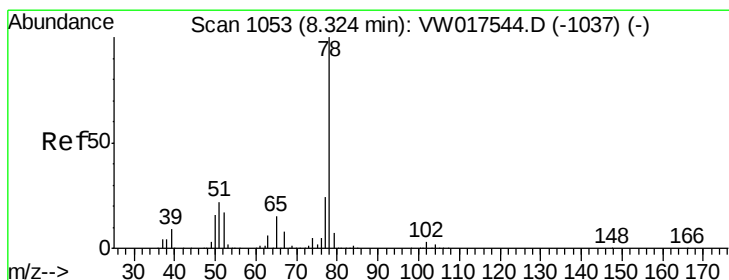
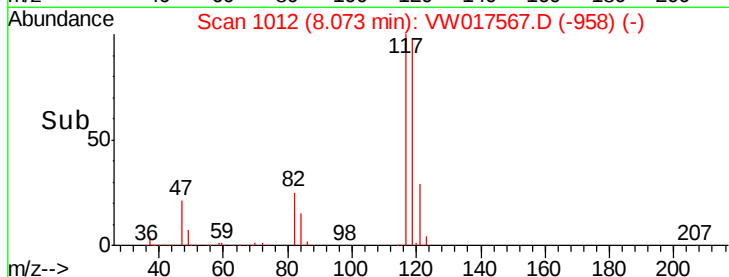
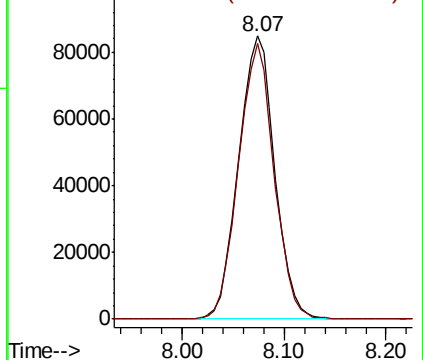
#32
Carbon tetrachloride
Concen: 25.180 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Tot Ion:117 Resp: 208848
Ion Ratio Lower Upper
117 100
119 95.8 75.8 113.8

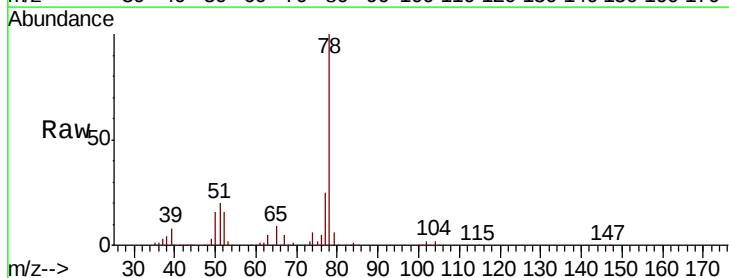


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

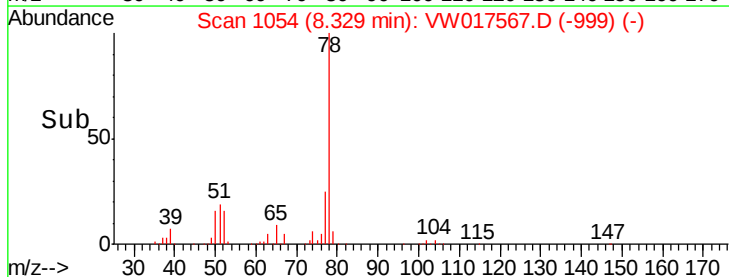
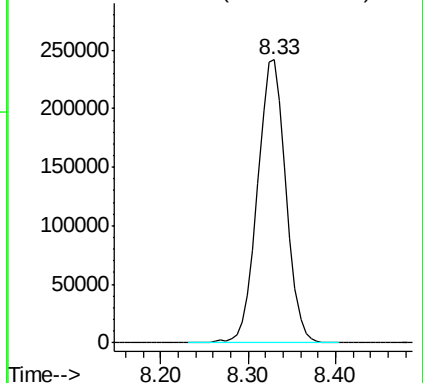


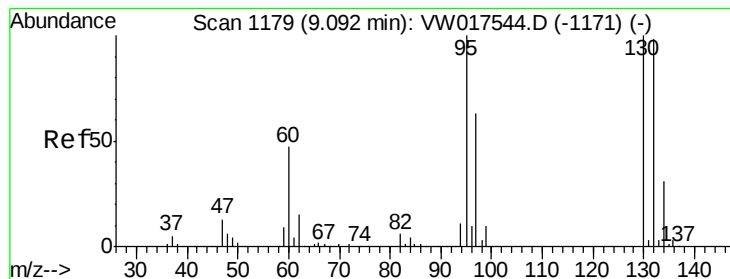
#34
Benzene
Concen: 25.449 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 78 Resp: 548055



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.217 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 95 Resp: 145060

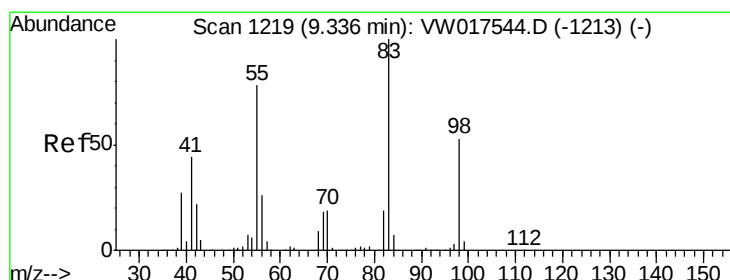
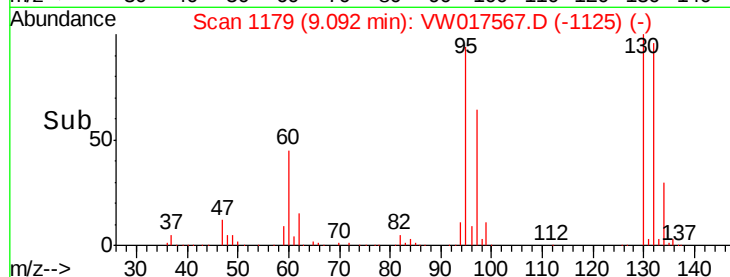
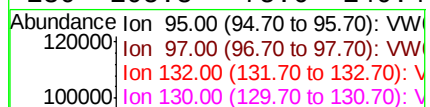
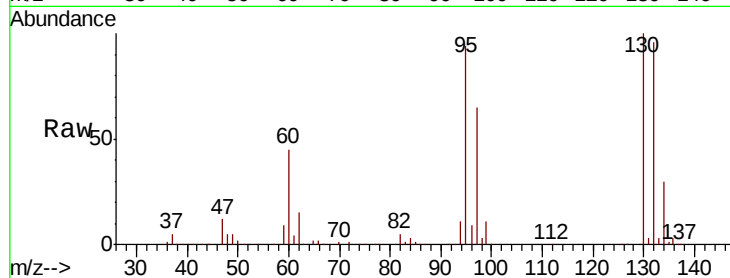
Ion Ratio Lower Upper

95 100

97 65.2 45.0 83.6

132 101.3 71.0 131.8

130 105.8 75.6 140.4



#36

Methylcyclohexane

Concen: 23.572 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

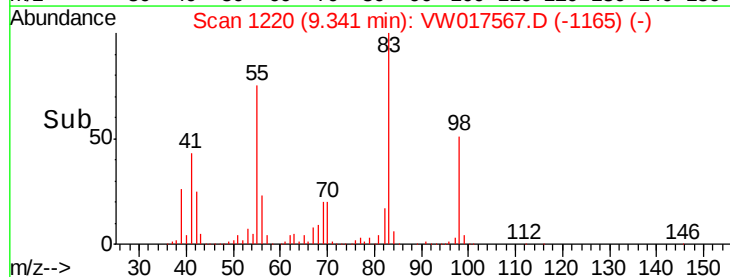
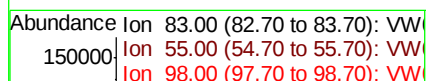
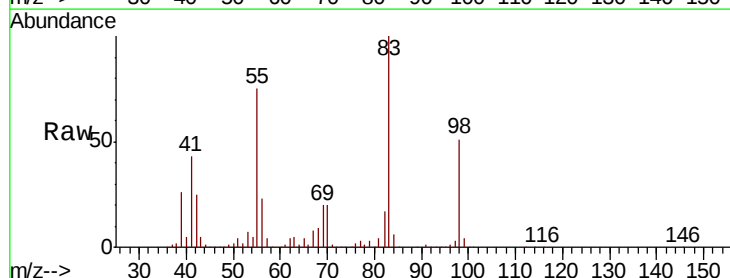
Tgt Ion: 83 Resp: 232084

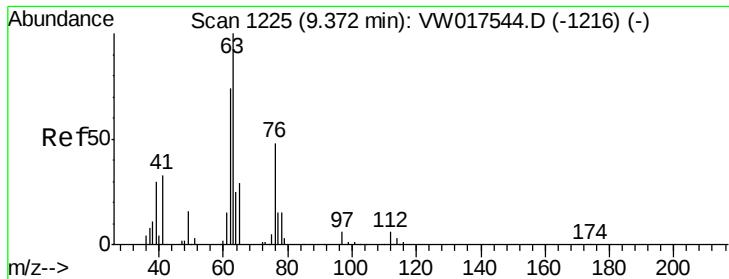
Ion Ratio Lower Upper

83 100

55 75.6 59.4 89.0

98 51.1 40.7 61.1

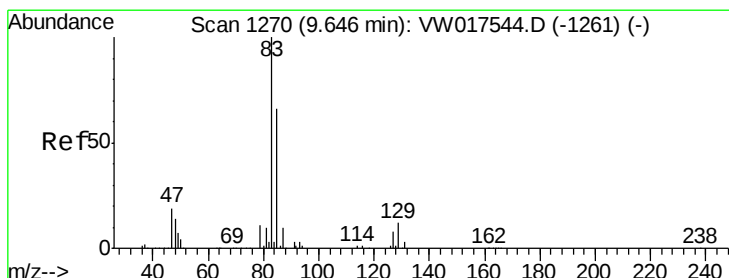
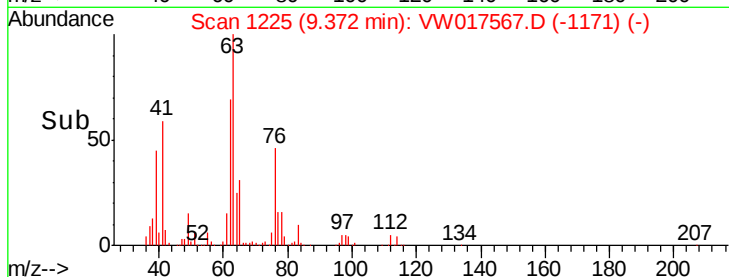
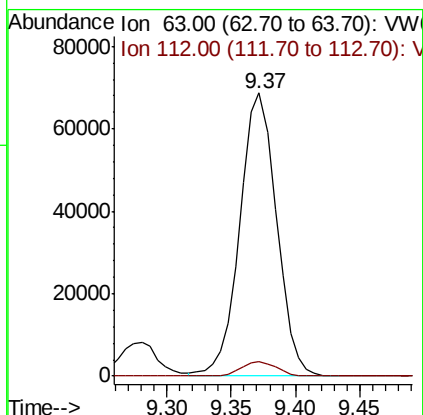
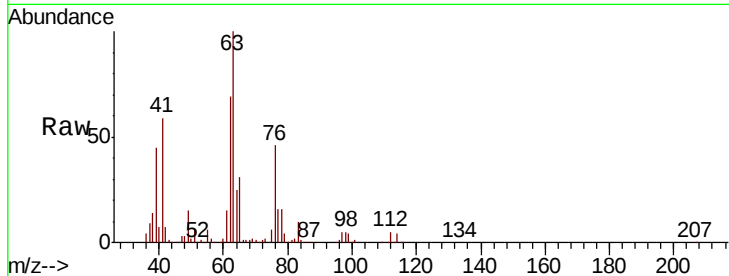




#40
1,2-Dichloropropane
Concen: 26.771 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

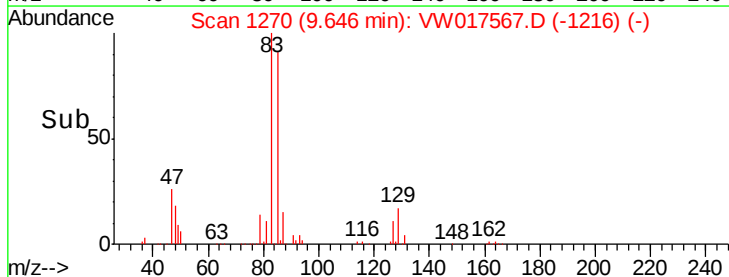
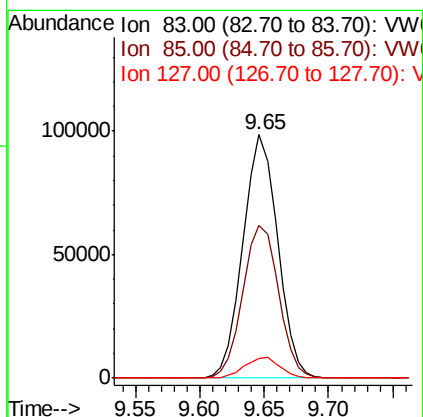
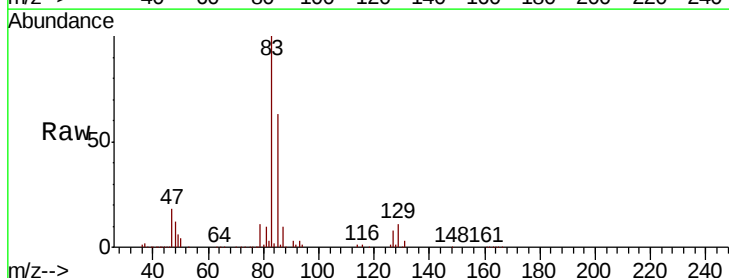
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

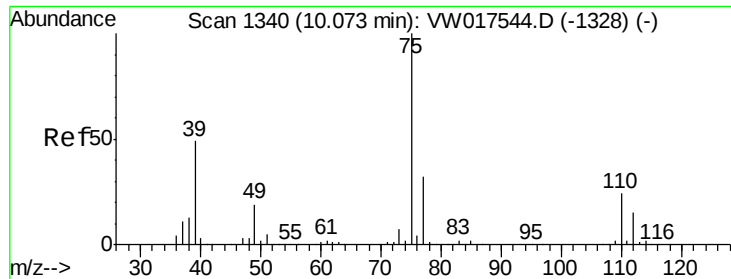
Tot Ion: 63 Resp: 136016
Ion Ratio Lower Upper
63 100
112 4.9 4.2 6.4



#41
Bromodichloromethane
Concen: 26.303 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 83 Resp: 184791
Ion Ratio Lower Upper
83 100
85 63.0 46.8 86.8
127 7.9 7.6 11.4

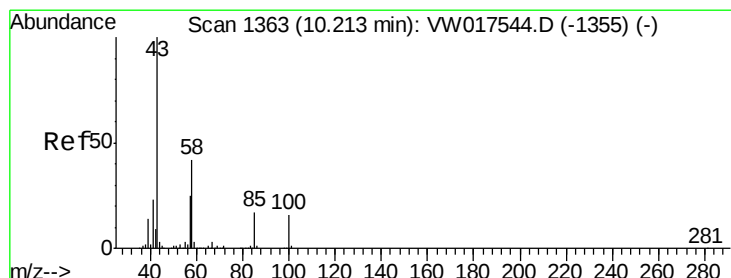
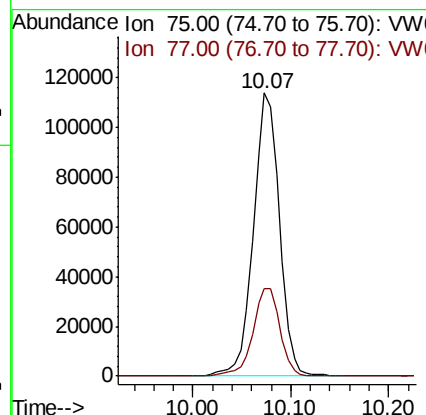
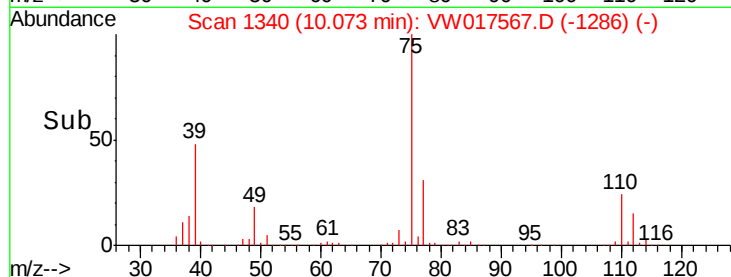
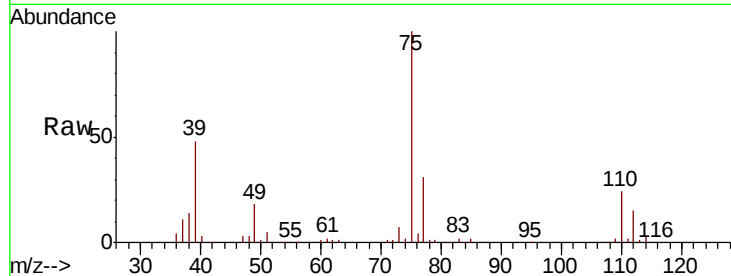




#42
 cis-1,3-Dichloropropene
 Concen: 26.596 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

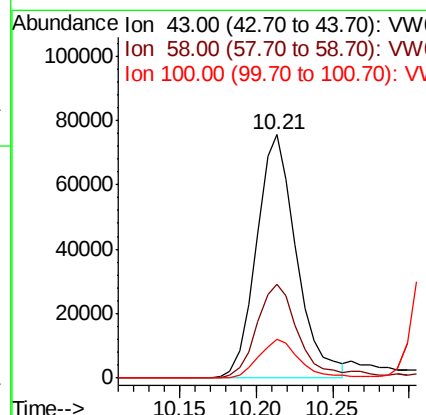
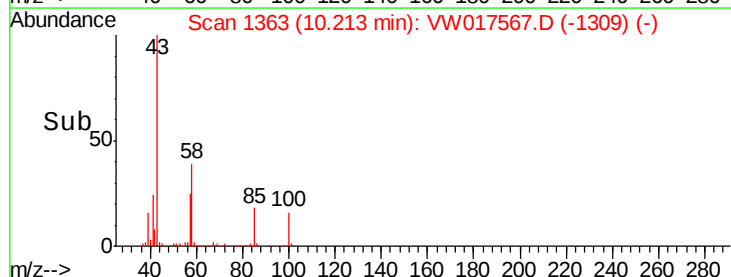
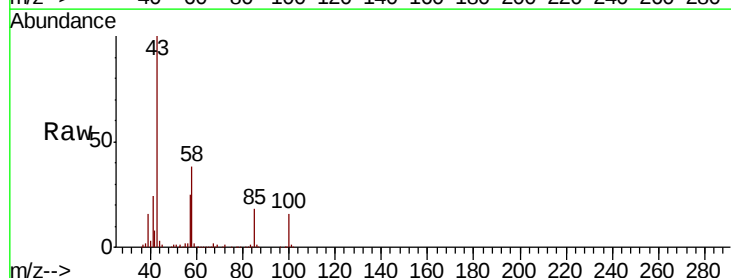
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

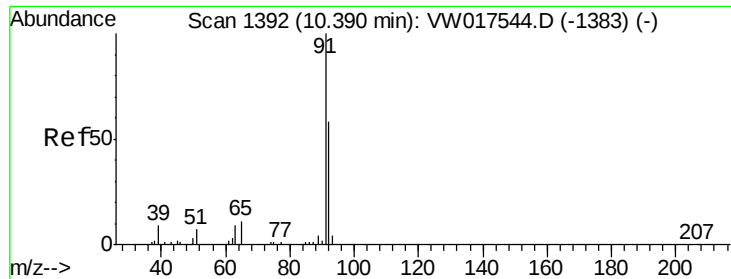
Tot Ion: 75 Resp: 210151
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 57.991 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion: 43 Resp: 137876
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.6 47.4
 100 16.4 14.1 21.1





#44

Toluene

Concen: 25.413 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

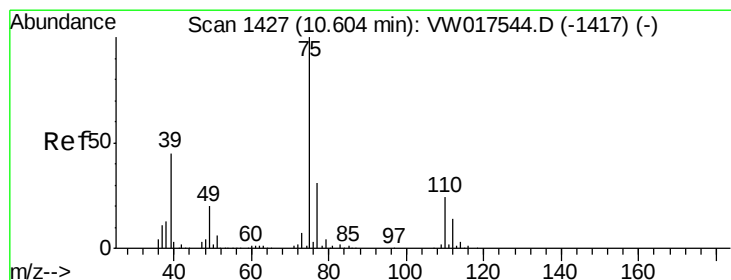
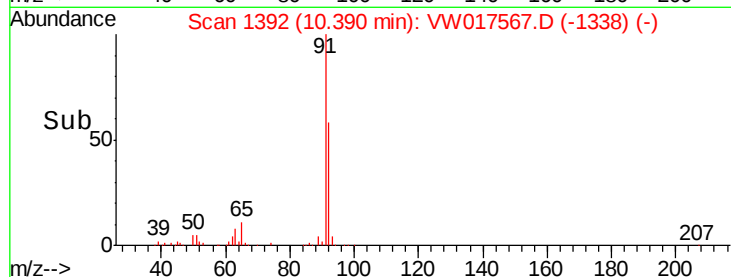
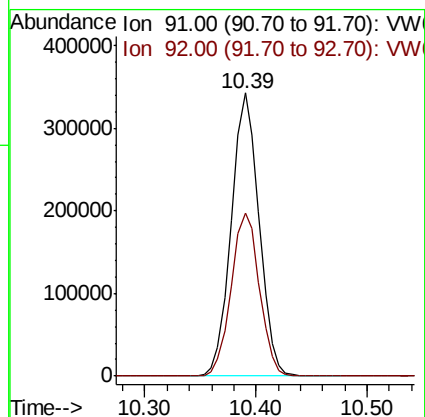
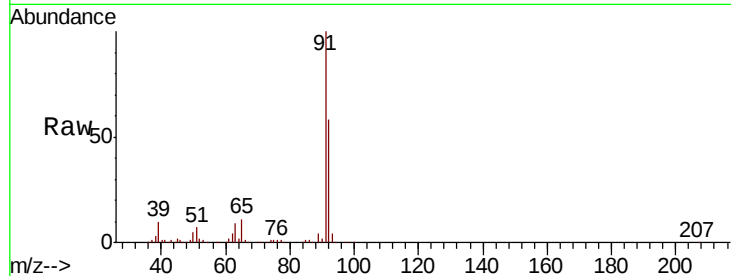
VSTD02529

Tot Ion: 91 Resp: 589896

Ion Ratio Lower Upper

91 100

92 57.8 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 27.055 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017567.D

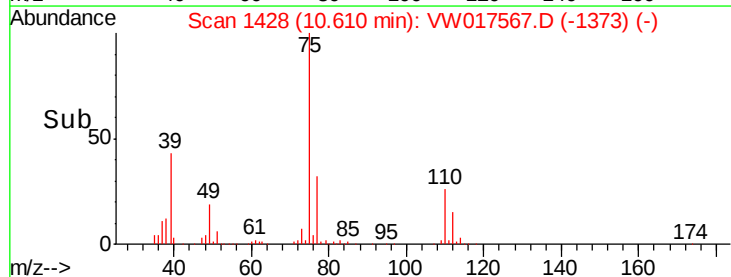
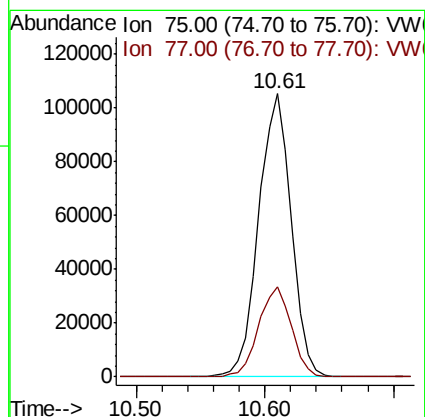
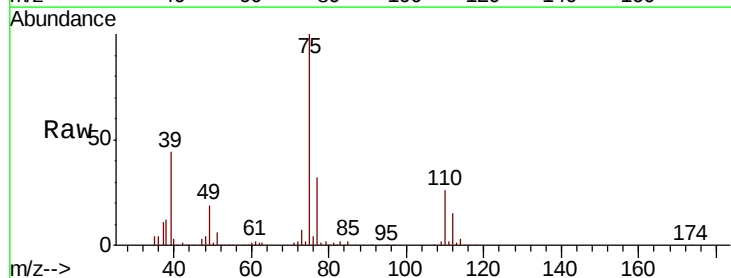
Acq: 04 Dec 2020 19:35

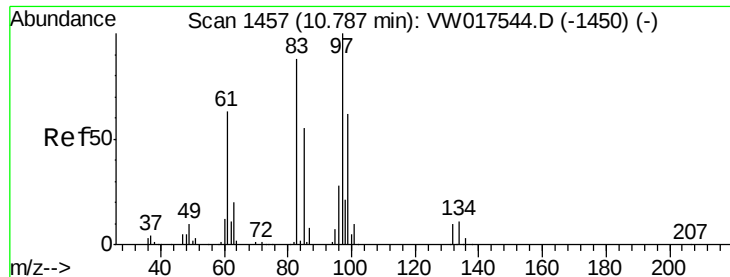
Tgt Ion: 75 Resp: 183993

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0

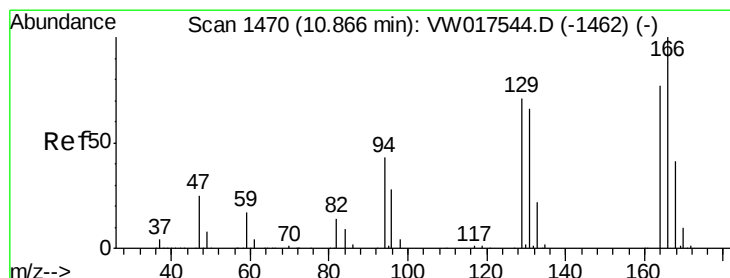
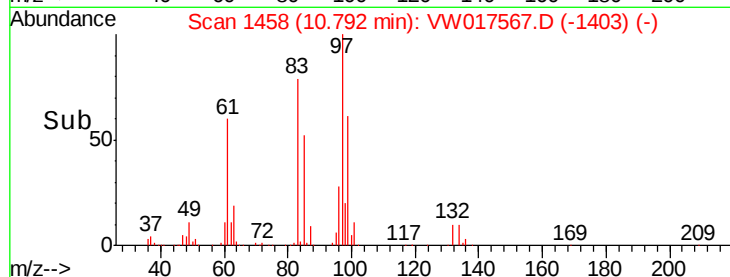
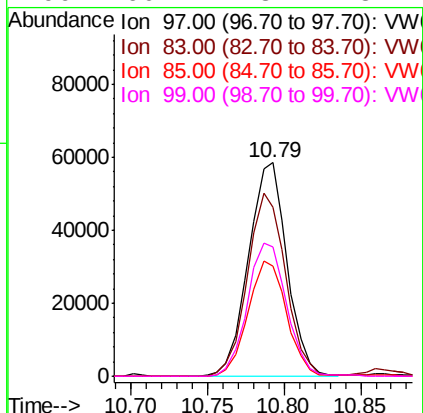
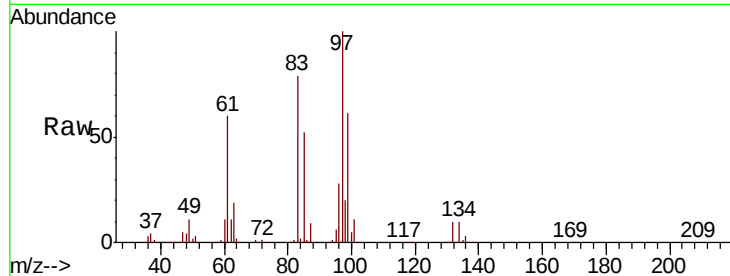




#46
1,1,2-Trichloroethane
Concen: 26.873 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

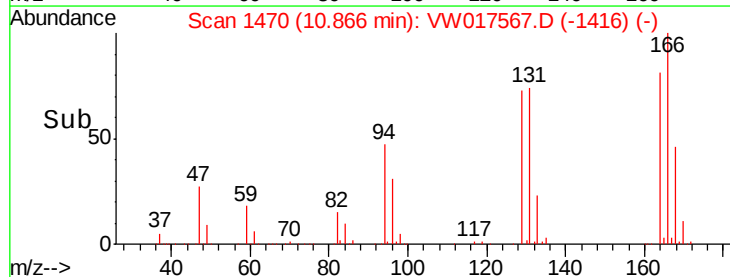
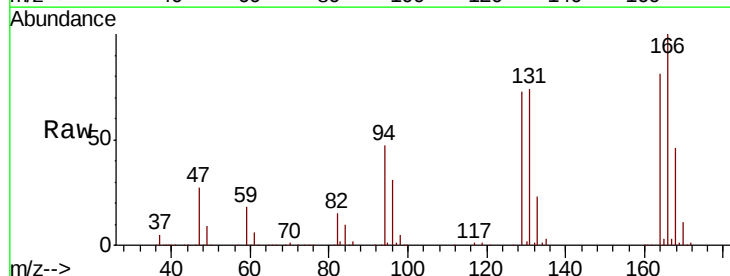
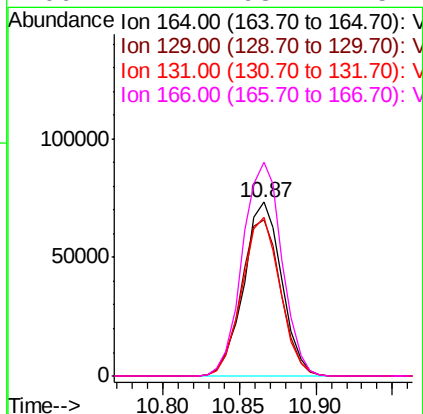
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

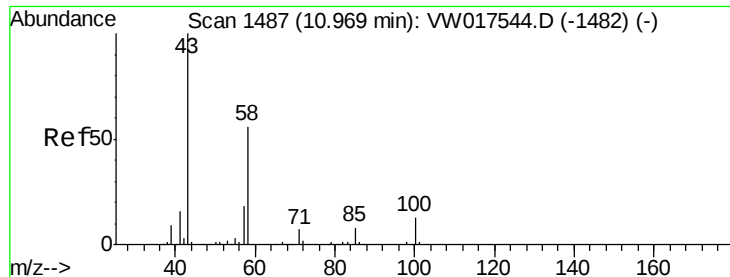
Tot Ion	97	Resp	103031
Ion	Ratio	Lower	Upper
97	100		
83	79.0	58.5	108.7
85	51.6	37.8	70.2
99	60.7	43.7	81.1



#47
Tetrachloroethene
Concen: 25.029 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion	164	Resp	126954
Ion	Ratio	Lower	Upper
164	100		
129	90.0	67.6	125.6
131	91.0	65.2	121.2
166	122.7	93.2	173.2





#49

2-Hexanone

Concen: 59.869 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 43 Resp: 103794

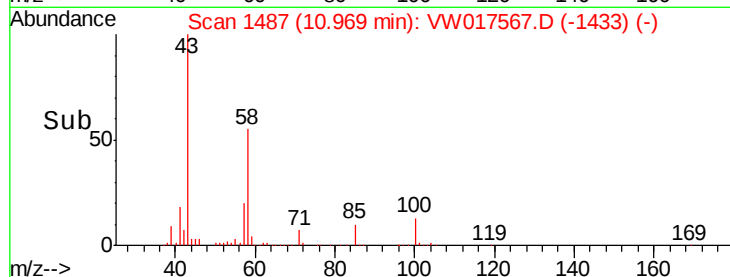
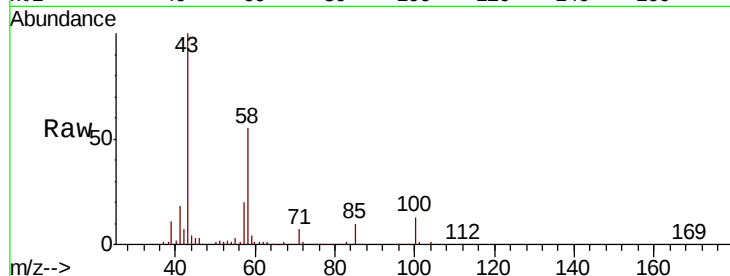
Ion Ratio Lower Upper

43 100

58 53.7 51.3 76.9

57 19.6 15.0 22.6

100 13.1 12.2 18.2

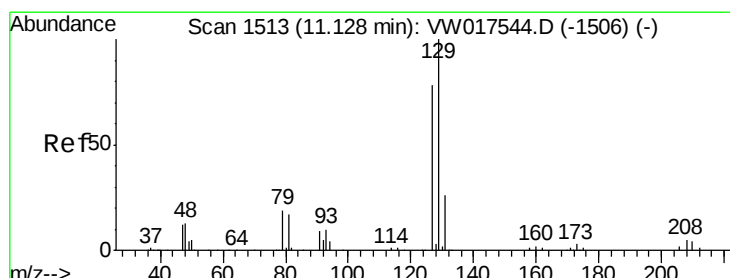
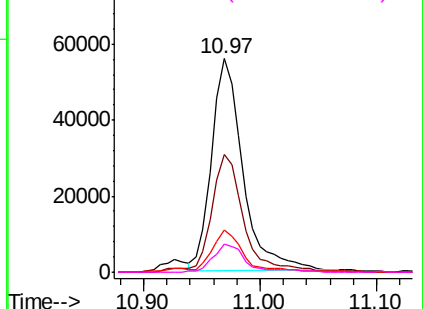


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.741 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017567.D

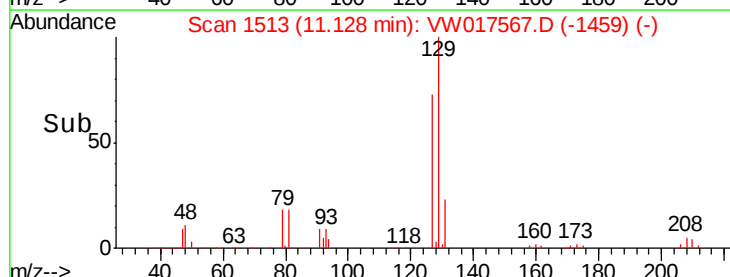
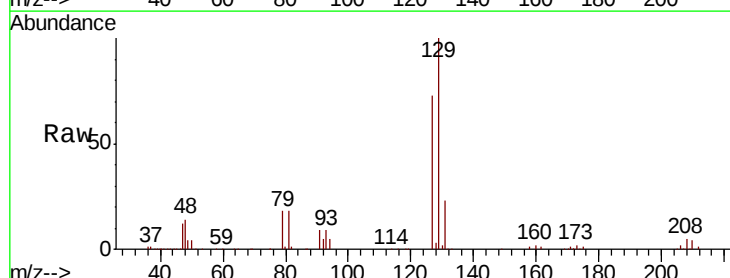
Acq: 04 Dec 2020 19:35

Tgt Ion: 129 Resp: 127083

Ion Ratio Lower Upper

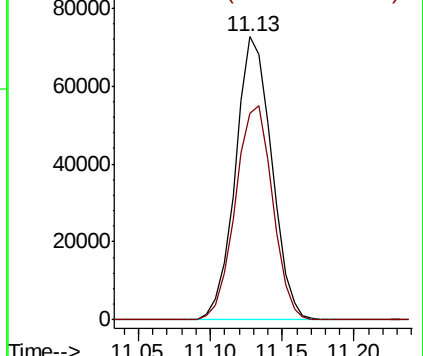
129 100

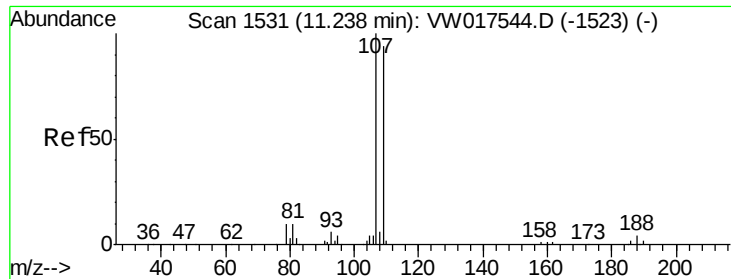
127 73.1 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

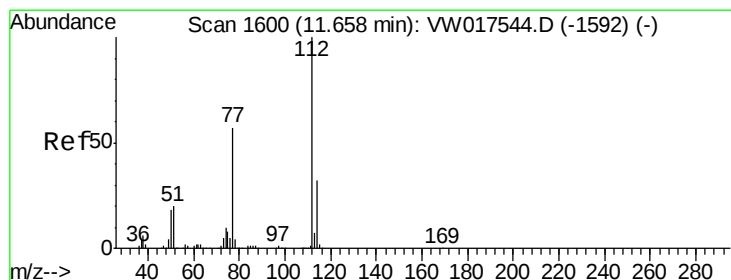
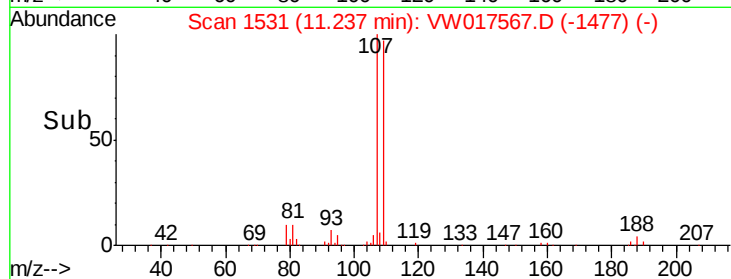
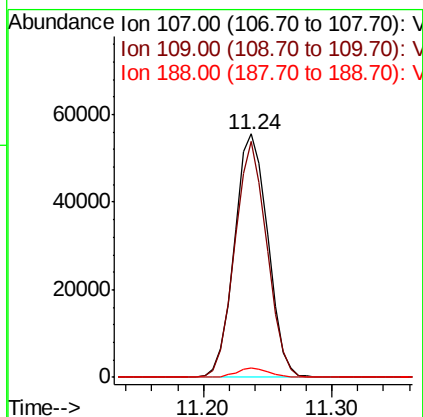
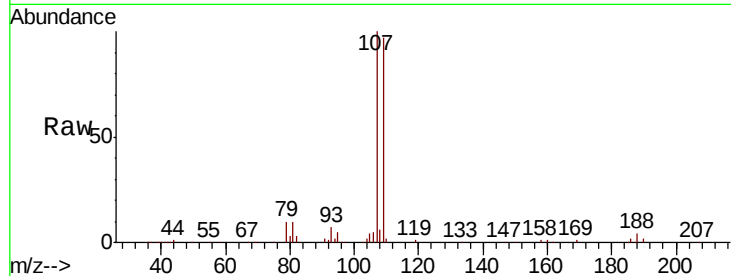




#51
 1,2-Dibromoethane
 Concen: 27.239 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

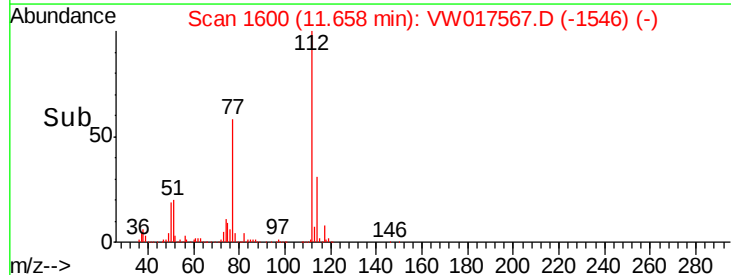
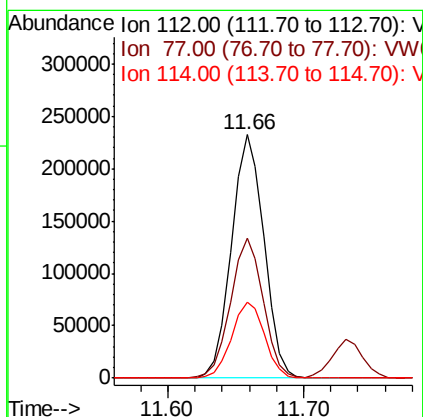
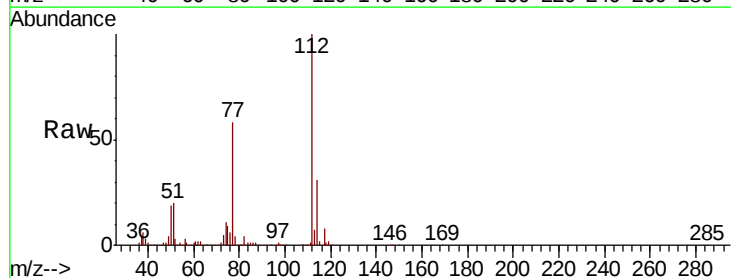
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

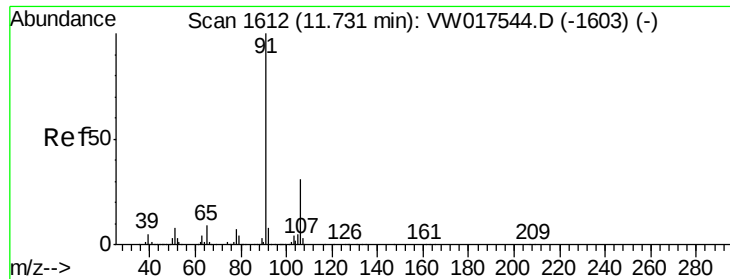
Tot Ion:107 Resp: 99848
 Ion Ratio Lower Upper
 107 100
 109 96.7 66.4 123.2
 188 3.9 4.0 6.0#



#52
 Chlorobenzene
 Concen: 25.379 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion:112 Resp: 384845
 Ion Ratio Lower Upper
 112 100
 77 57.5 42.6 64.0
 114 31.3 21.6 40.2





#53

Ethylbenzene

Concen: 25.484 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

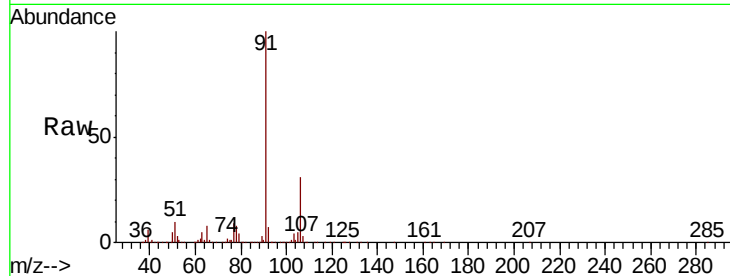
VSTD02529

Tot Ion: 91 Resp: 669374

Ion Ratio Lower Upper

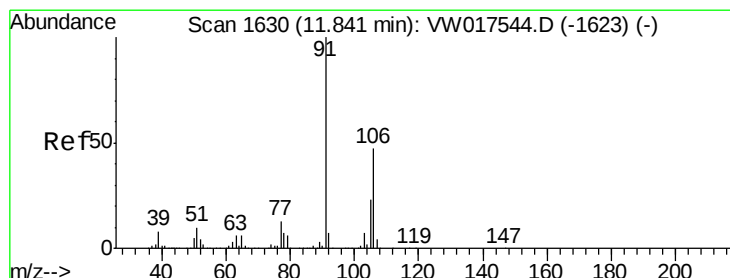
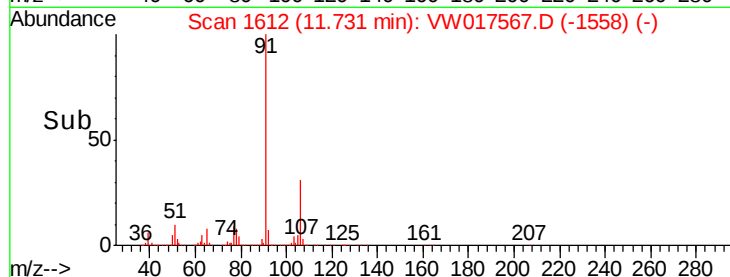
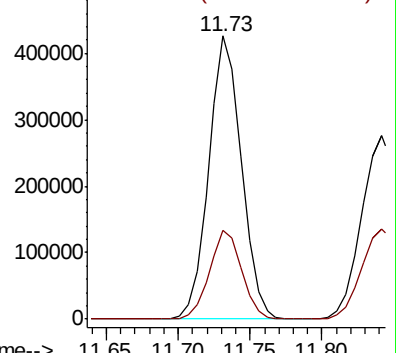
91 100

106 31.2 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.480 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017567.D

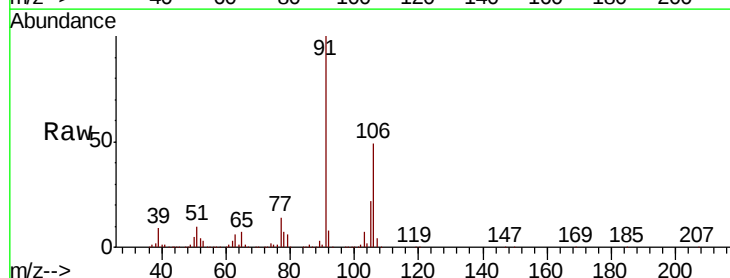
Acq: 04 Dec 2020 19:35

Tgt Ion: 106 Resp: 255108

Ion Ratio Lower Upper

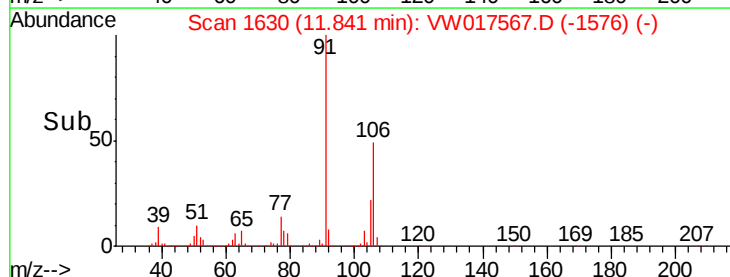
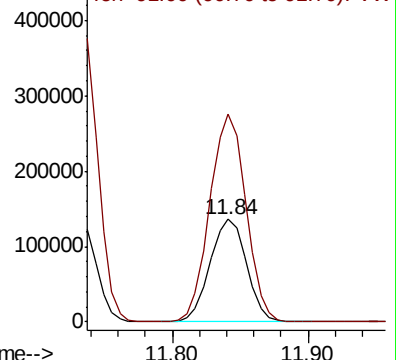
106 100

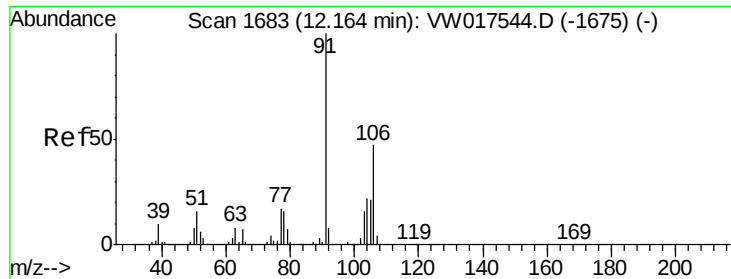
91 202.1 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 25.563 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleID :

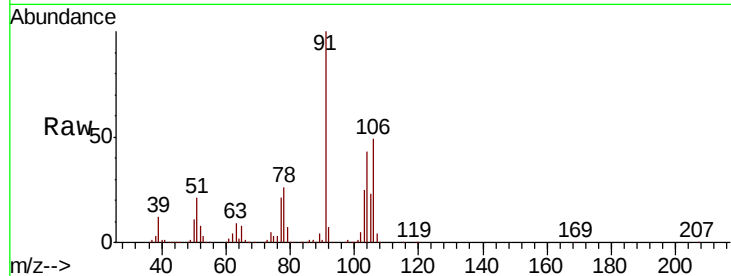
VSTD02529

Tot Ion:106 Resp: 238280

Ion Ratio Lower Upper

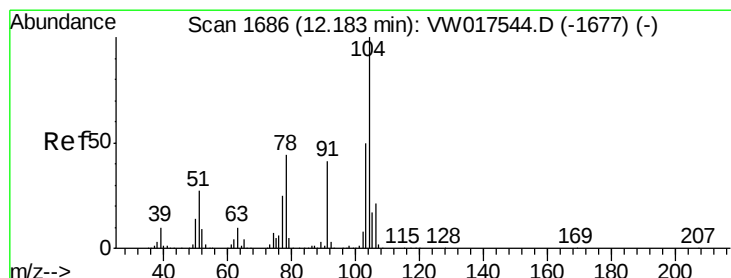
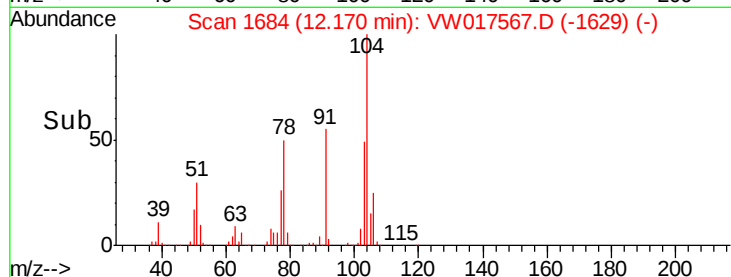
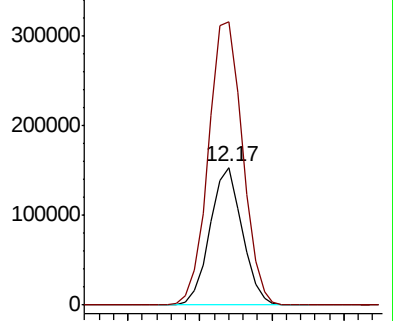
106 100

91 205.5 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.239 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017567.D

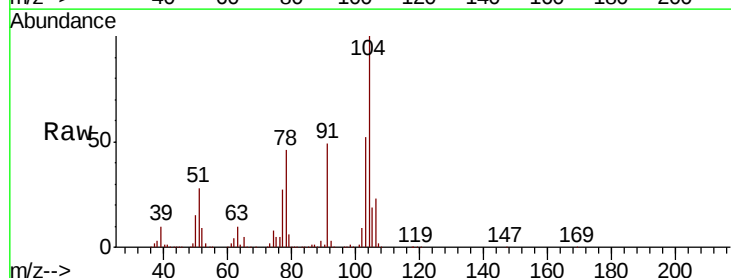
Acq: 04 Dec 2020 19:35

Tgt Ion:104 Resp: 411892

Ion Ratio Lower Upper

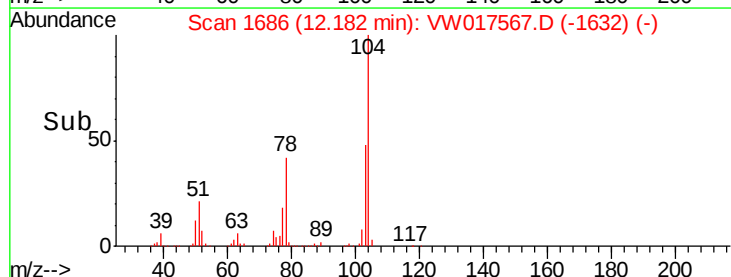
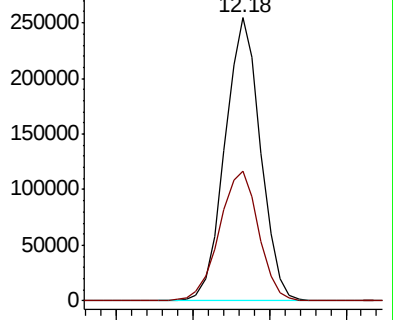
104 100

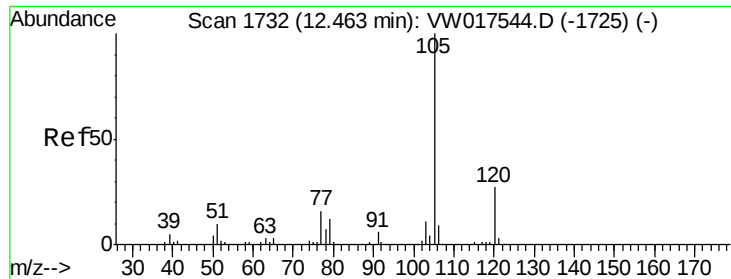
78 46.0 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.927 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampled :

VSTD02529

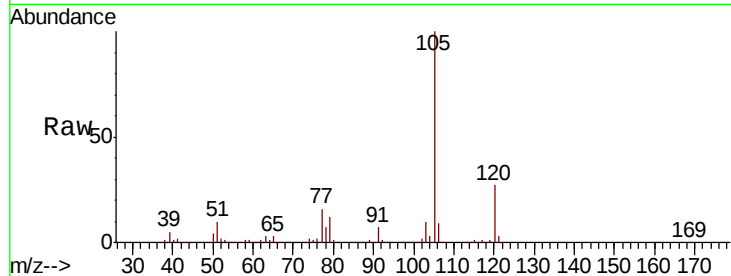
Tot Ion:105 Resp: 664102

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

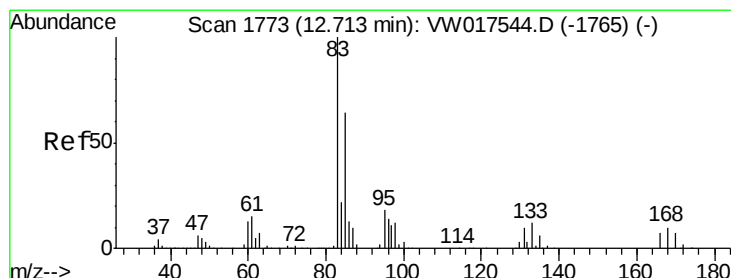
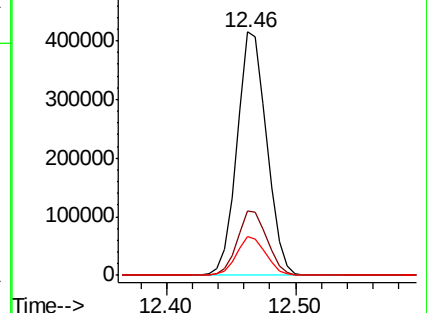
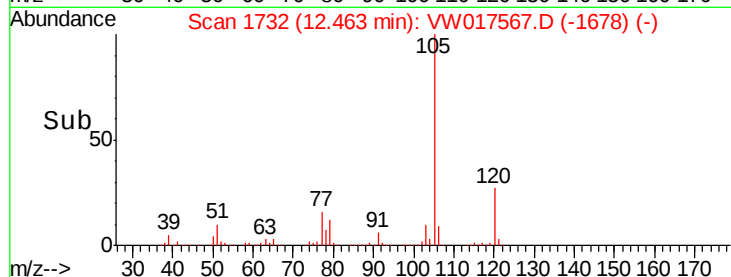
77 15.6 12.1 18.1



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: 29.213 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

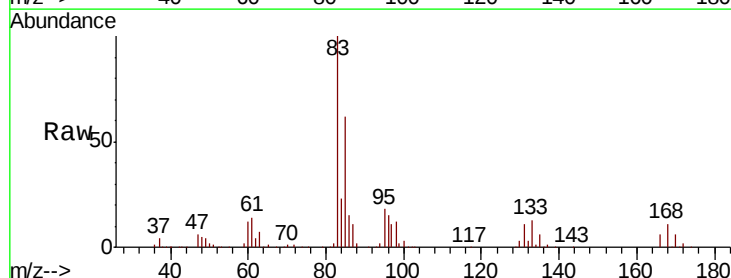
Tgt Ion: 83 Resp: 121292

Ion Ratio Lower Upper

83 100

85 62.5 45.3 84.1

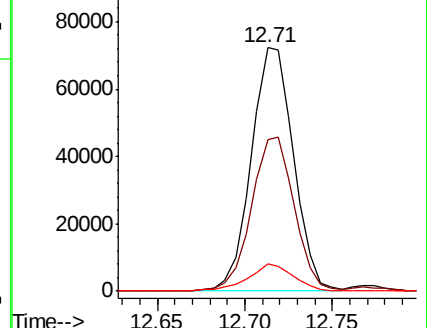
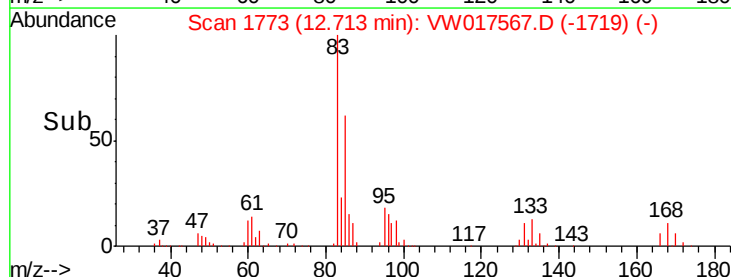
131 11.0 8.3 12.5

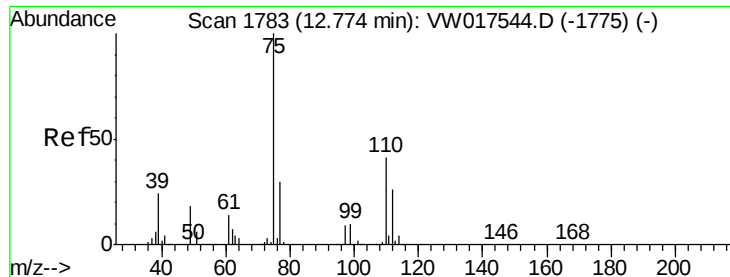


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.350 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

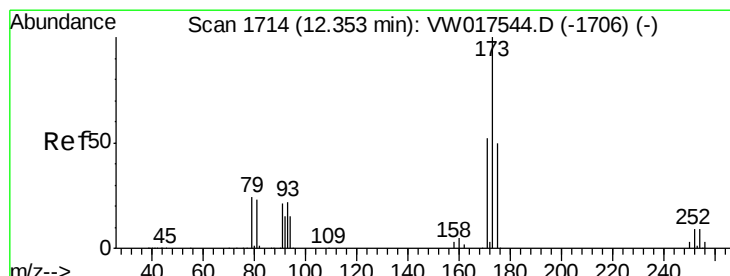
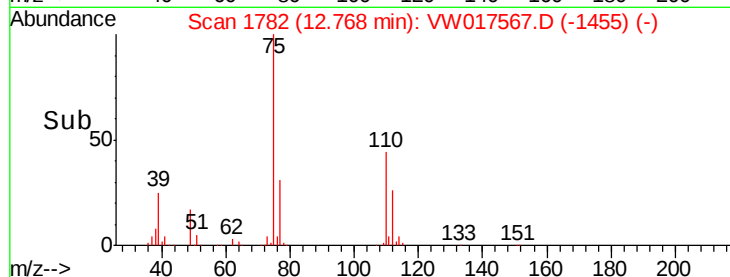
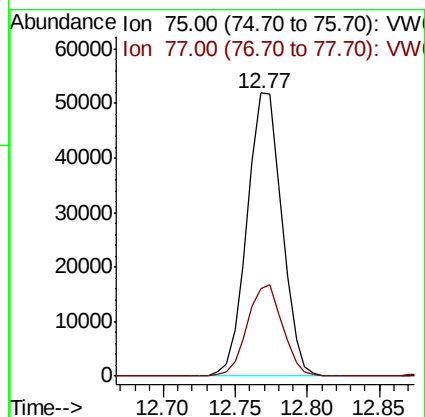
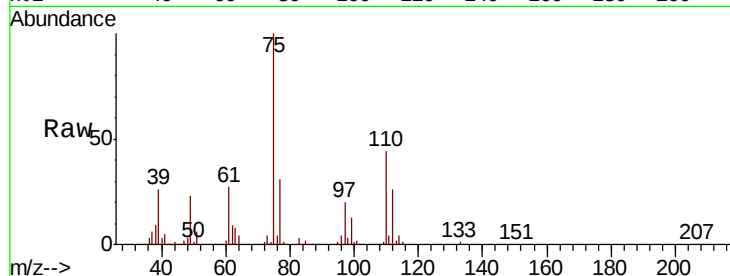
VSTD02529

Tot Ion: 75 Resp: 86899

Ion Ratio Lower Upper

75 100

77 32.6 26.6 39.8



#62

Bromoform

Concen: 25.454 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

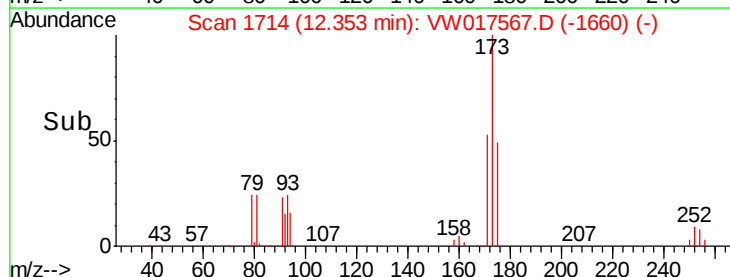
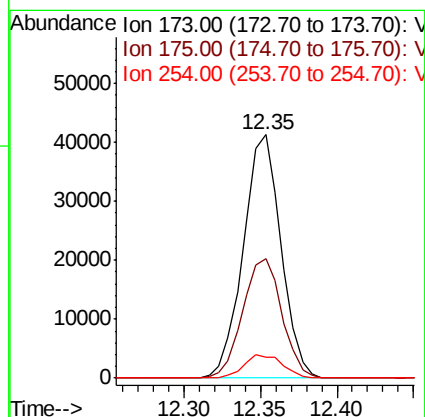
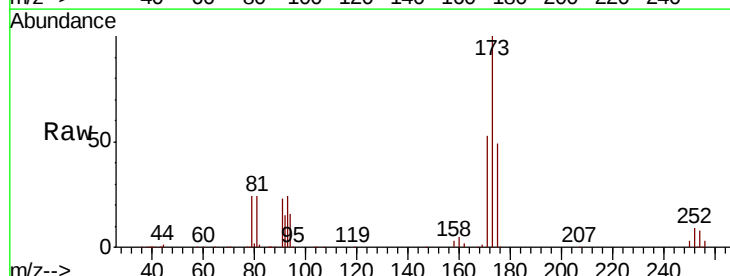
Tgt Ion: 173 Resp: 70707

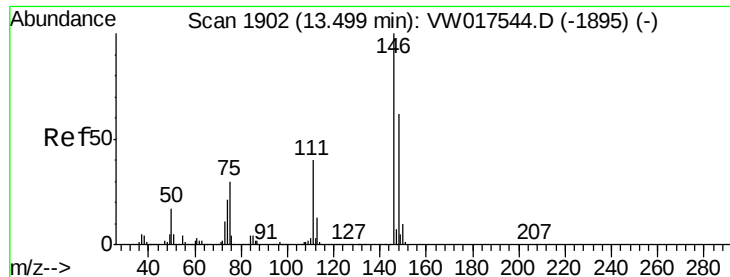
Ion Ratio Lower Upper

173 100

175 51.1 39.1 58.7

254 9.9 7.1 10.7

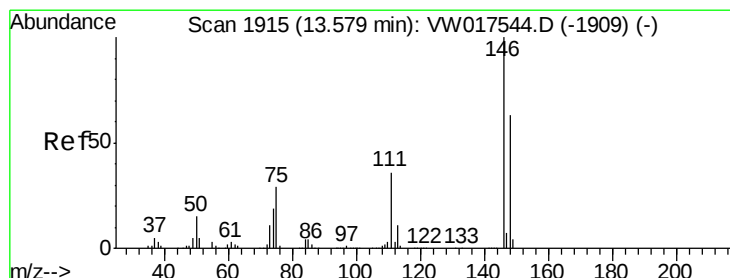
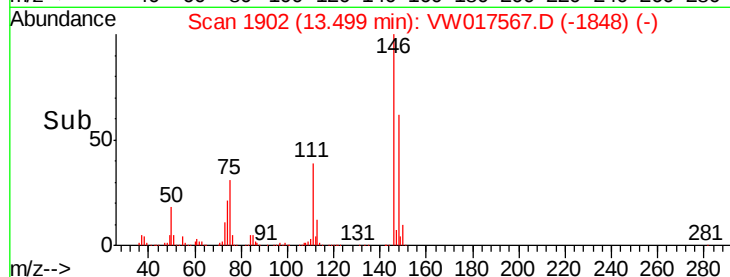
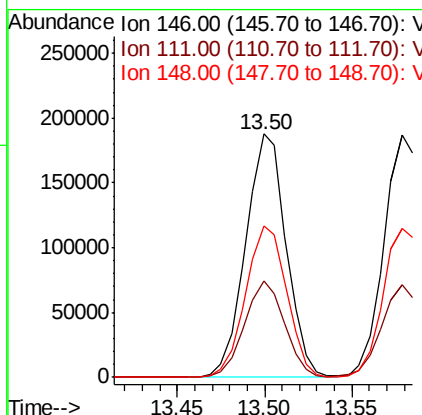
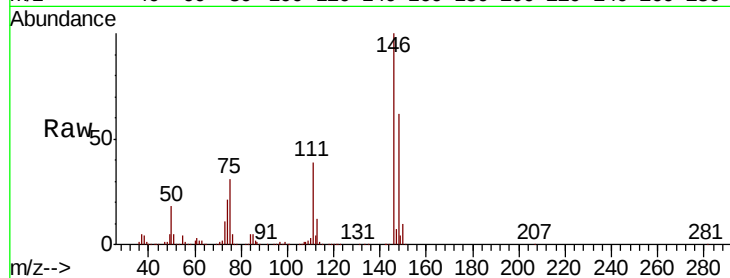




#63
 1,3-Dichlorobenzene
 Concen: 24.494 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

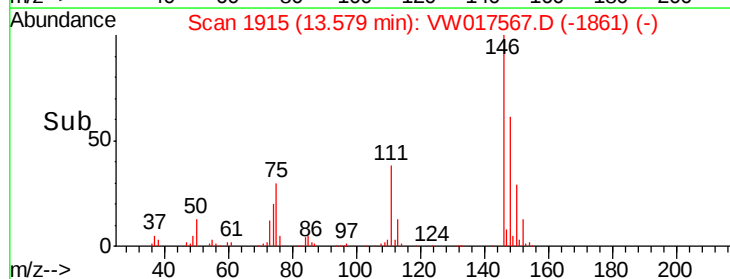
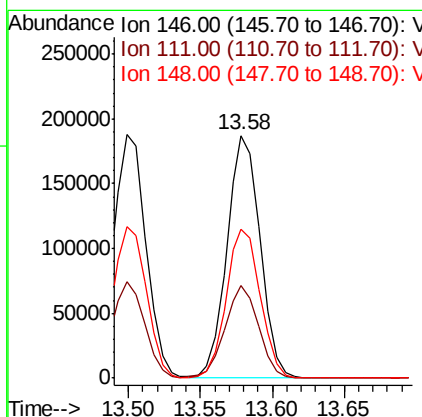
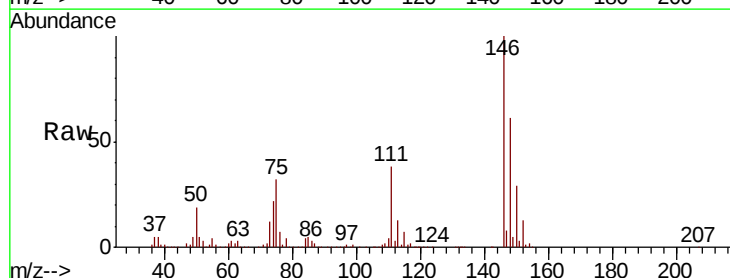
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

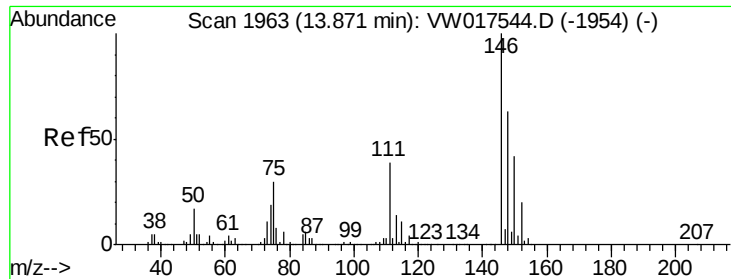
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.5	52.9
148	62.3	47.8	88.8



#64
 1,4-Dichlorobenzene
 Concen: 24.472 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	27.7	51.5
148	61.4	47.0	87.2

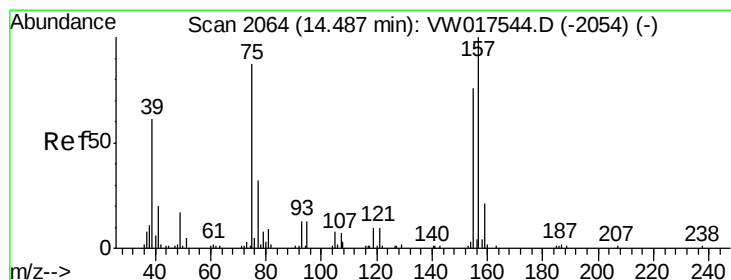
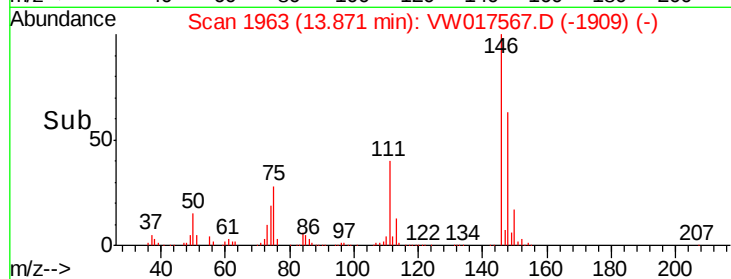
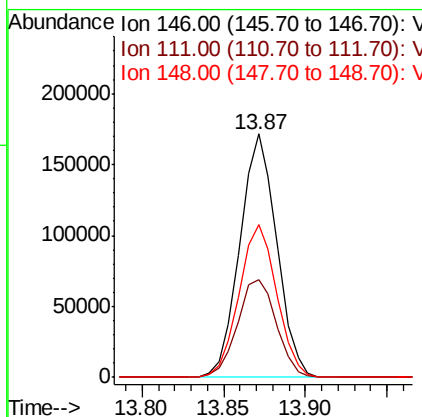
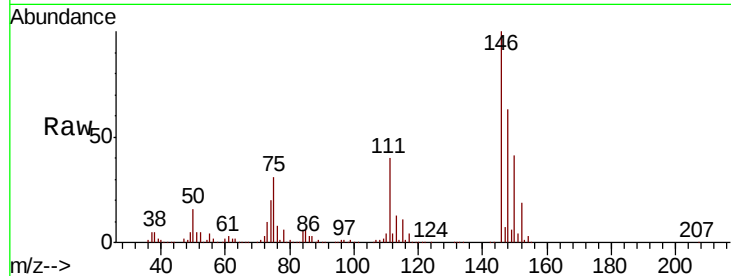




#65
1,2-Dichlorobenzene
Concen: 25.211 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

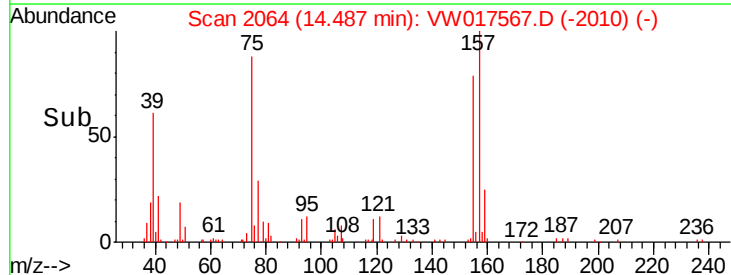
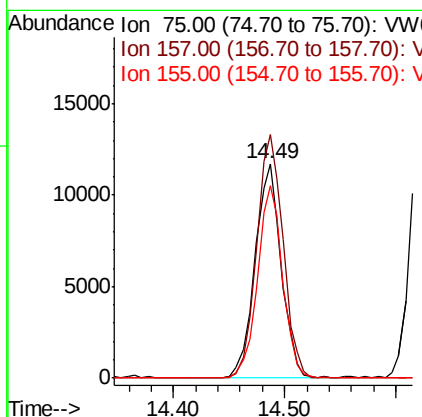
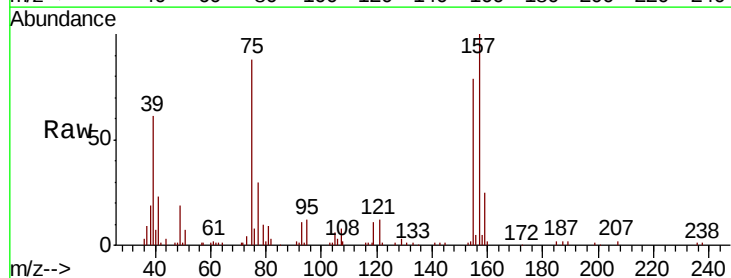
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

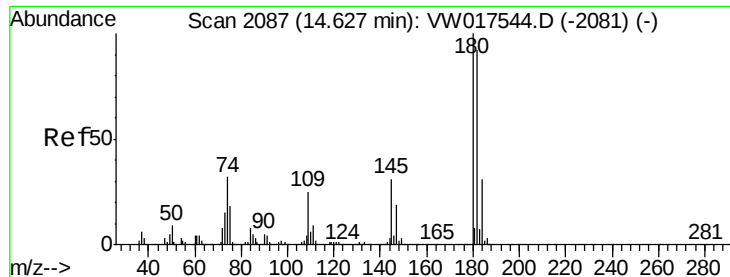
Tot Ion:146 Resp: 270949
Ion Ratio Lower Upper
146 100
111 40.2 31.7 47.5
148 62.8 49.3 73.9



#66
1,2-Dibromo-3-chloropropane
Concen: 27.060 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 75 Resp: 19261
Ion Ratio Lower Upper
75 100
157 113.6 99.9 149.9
155 89.8 71.4 107.0

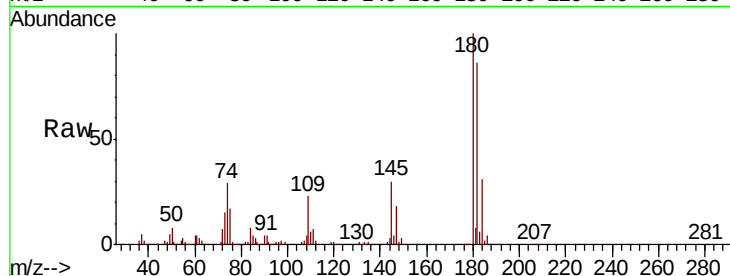




#67
 1,3,5-Trichlorobenzene
 Concen: 22.568 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.6
184	31.6	24.2	36.4
145	31.1	23.5	35.3



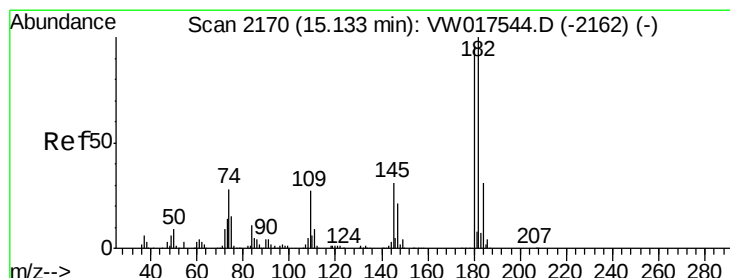
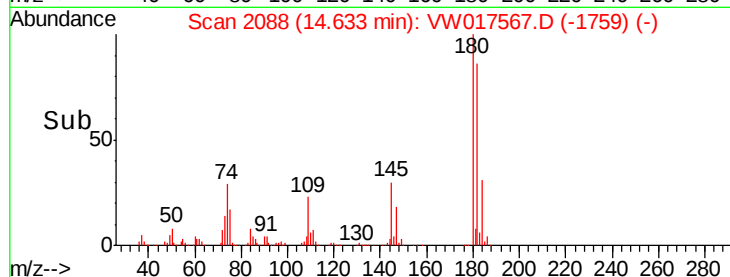
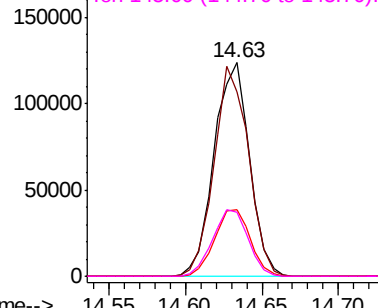
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

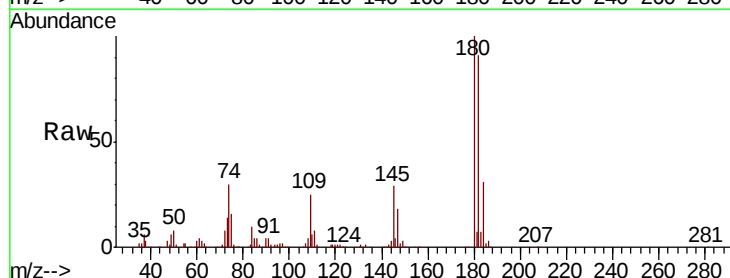
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.476 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	71.3	106.9
145	30.4	24.0	36.0

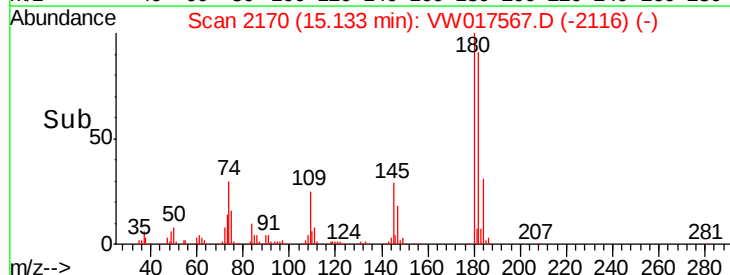
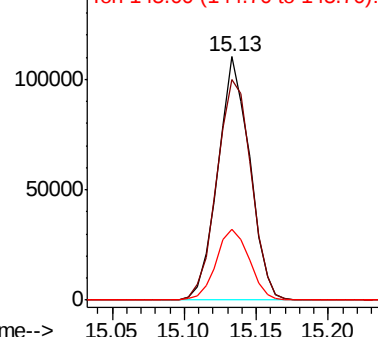


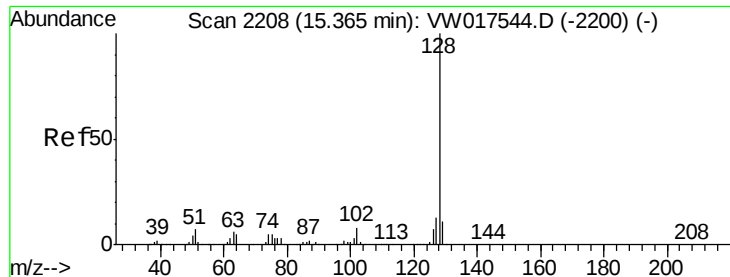
Abundance

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: 26.765 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

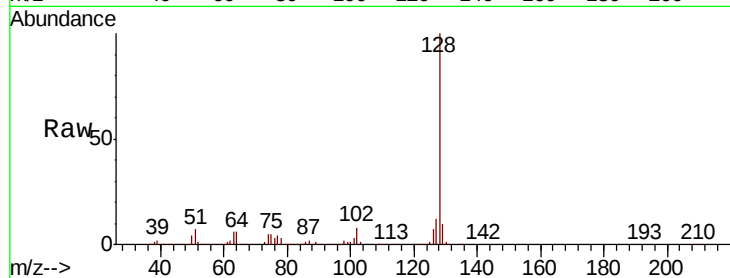
Tot Ion:128 Resp: 301532

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

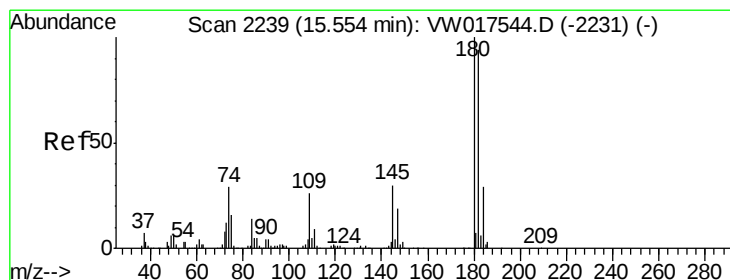
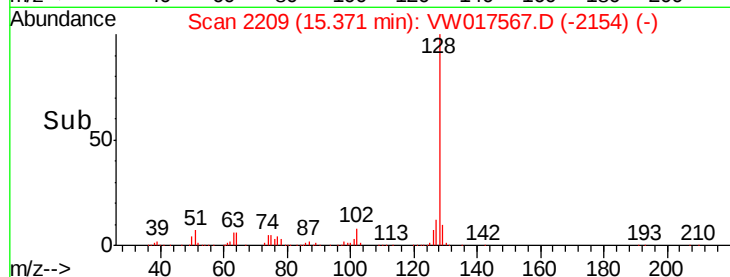
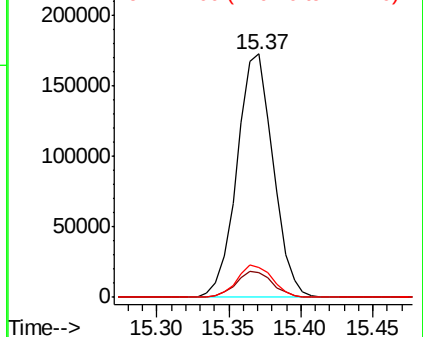
127 13.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.586 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

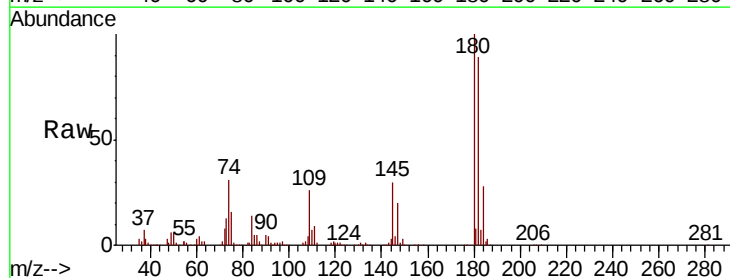
Tgt Ion:180 Resp: 153855

Ion Ratio Lower Upper

180 100

182 92.7 74.7 112.1

145 32.2 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

