

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017542.D
 Acq On : 03 Dec 2020 19:30
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Dec 04 06:20:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 06:16:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	402736	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	369639	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	200405	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	118832	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.36%
7) Chloroethane-d5	2.89	69	99722	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.84%
10) 1,1-Dichloroethene-d2	4.03	63	258122	21.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.24%
20) 2-Butanone-d5	7.08	46	62882	54.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.24%
24) Chloroform-d	7.65	84	284489	24.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.08%
26) 1,2-Dichloroethane-d4	8.31	65	143561	24.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.84%
29) Benzene-d6	8.27	84	533185	23.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.16%
33) 1,2-Dichloropropane-d6	9.27	67	155205	23.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.96%
37) Toluene-d8	10.32	98	492572	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.92%
38) trans-1,3-Dichloropropene-	10.58	79	67686	23.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.28%
39) 2-Hexanone-d5	10.93	63	44360	54.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123487	26.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	172296	22.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	77427	20.476	ug/L 94
3) Chloromethane	2.21	50	77652	19.943	ug/L 99
5) Vinyl chloride	2.37	62	117306	23.704	ug/L 98
6) Bromomethane	2.78	94	80699	22.893	ug/L 99
8) Chloroethane	2.93	64	74856	22.658	ug/L 98
9) Trichlorofluoromethane	3.26	101	96801	17.454	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	128716	22.316	ug/L # 67
12) 1,1-Dichloroethene	4.05	96	122277	21.782	ug/L 87
13) Acetone	4.13	43	41690	36.861	ug/L 95
14) Carbon disulfide	4.39	76	340645	21.355	ug/L 99
15) Methyl Acetate	4.67	43	48087	24.921	ug/L 96
16) Methylene chloride	4.93	84	137414	22.627	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	142691	23.245	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	132121	22.964	ug/L 97
19) 1,1-Dichloroethane	6.22	63	231652	23.715	ug/L 99
21) 2-Butanone	7.17	43	60177	44.881	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	140788	23.363	ug/L 98

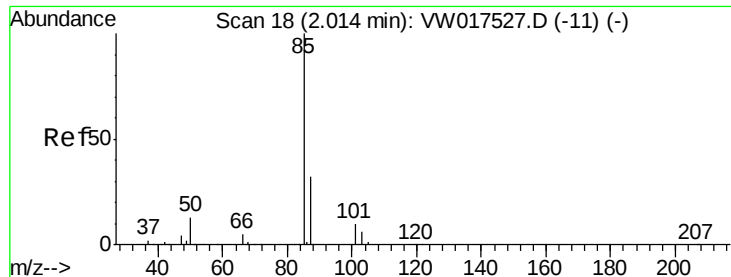
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017542.D
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 Operator : SY/VA
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 06:16:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	63384	23.163	ug/L	99
25) Chloroform	7.68	83	249889	24.232	ug/L	99
27) 1,2-Dichloroethane	8.40	62	154247	24.620	ug/L	99
30) Cyclohexane	7.96	56	195922	22.117	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	208443	23.489	ug/L	99
32) Carbon tetrachloride	8.07	117	203180	23.610	ug/L	100
34) Benzene	8.32	78	529694	23.706	ug/L	100
35) Trichloroethene	9.09	95	141388	22.749	ug/L	98
36) Methylcyclohexane	9.34	83	223103	21.840	ug/L	99
40) 1,2-Dichloropropane	9.37	63	129204	24.509	ug/L	99
41) Bromodichloromethane	9.65	83	178830	24.533	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	201354	24.560	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	132282	53.623	ug/L	98
44) Toluene	10.39	91	577545	23.980	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	176684	25.039	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96934	24.367	ug/L	99
47) Tetrachloroethene	10.87	164	130210	24.741	ug/L	94
49) 2-Hexanone	10.97	43	92171	51.240	ug/L #	86
50) Dibromochloromethane	11.13	129	120249	24.387	ug/L	95
51) 1,2-Dibromoethane	11.24	107	92523	24.327	ug/L #	100
52) Chlorobenzene	11.66	112	372901	23.701	ug/L	98
53) Ethylbenzene	11.73	91	650996	23.887	ug/L	100
54) m,p-Xylene	11.84	106	245282	23.612	ug/L	96
55) o-xylene	12.16	106	230460	23.829	ug/L	98
56) Styrene	12.18	104	408542	25.083	ug/L	100
57) Isopropylbenzene	12.46	105	643503	24.213	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	111830	25.959	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	80152	25.202	ug/L	98
62) Bromoform	12.35	173	68768	23.719	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	288576	22.393	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	297204	23.067	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	260527	23.227	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.48	75	17175	23.119	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.63	180	205078	22.247	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	175204	23.368	ug/L	99
69) Naphthalene	15.37	128	289032	24.582	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	151407	24.125	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 20.476 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampled :

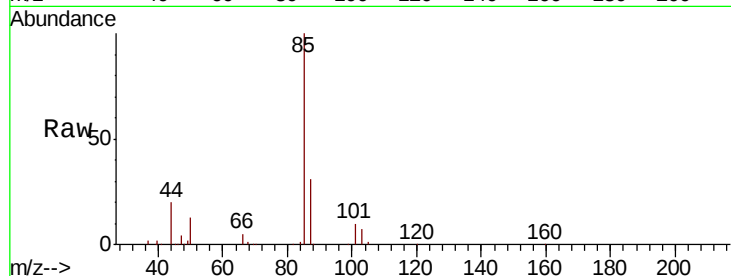
VSTD02527

Tot Ion: 85 Resp: 77427

Ion Ratio Lower Upper

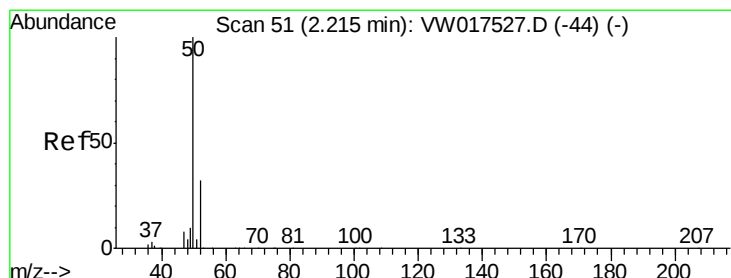
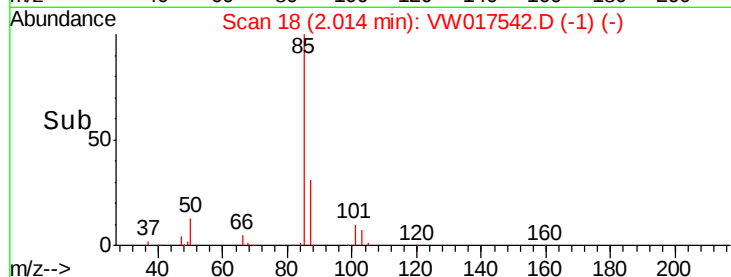
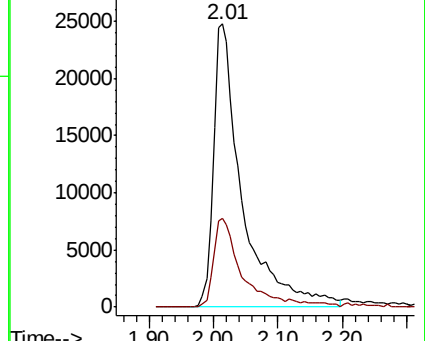
85 100

87 29.5 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: 19.943 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017542.D

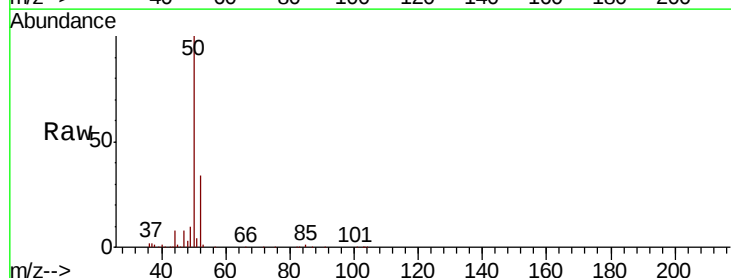
Acq: 03 Dec 2020 19:30

Tgt Ion: 50 Resp: 77652

Ion Ratio Lower Upper

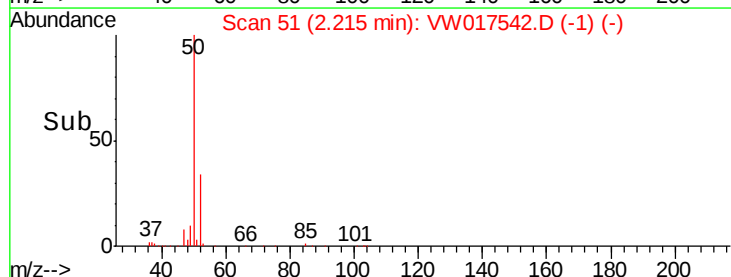
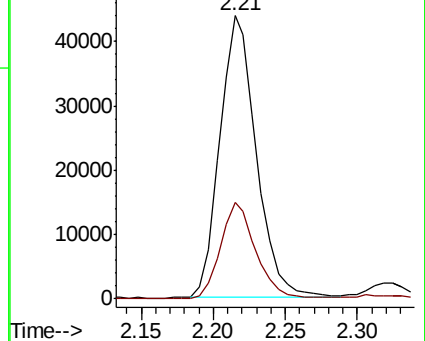
50 100

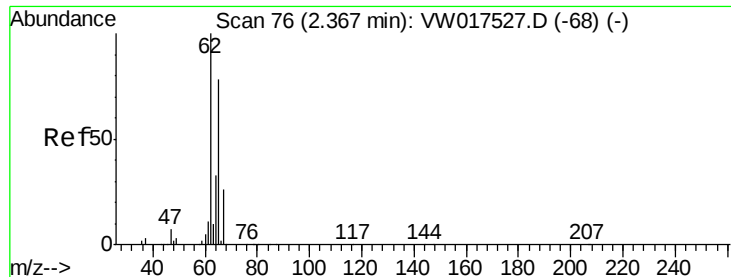
52 34.3 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.704 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

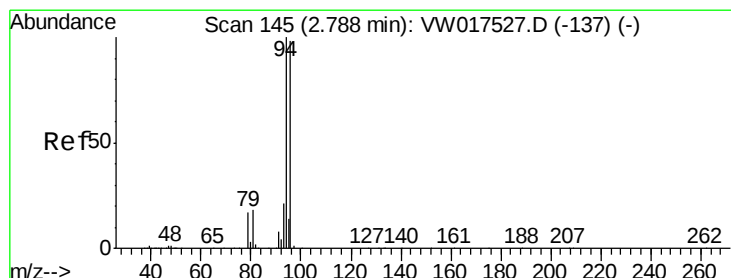
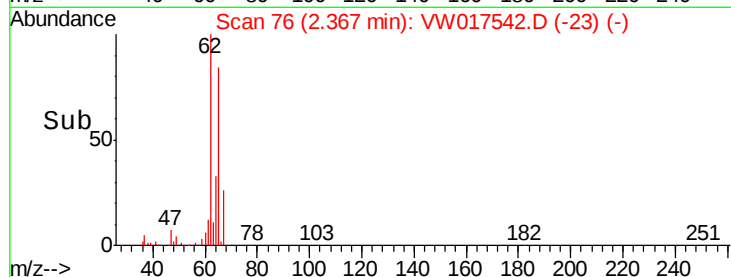
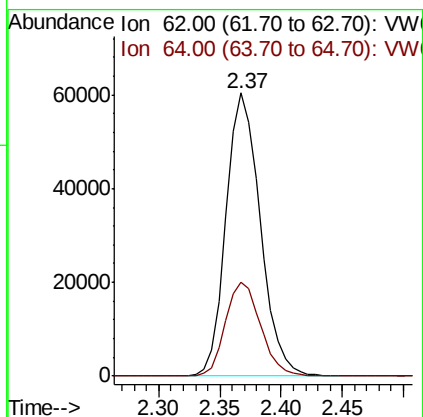
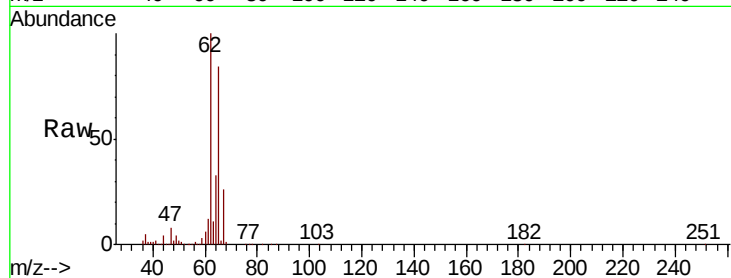
VSTD02527

Tot Ion: 62 Resp: 117306

Ion Ratio Lower Upper

62 100

64 33.0 23.9 44.5



#6

Bromomethane

Concen: 22.893 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017542.D

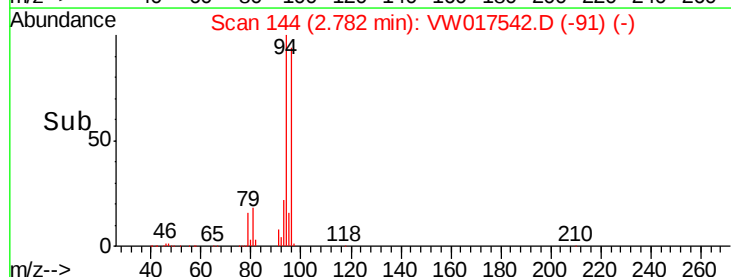
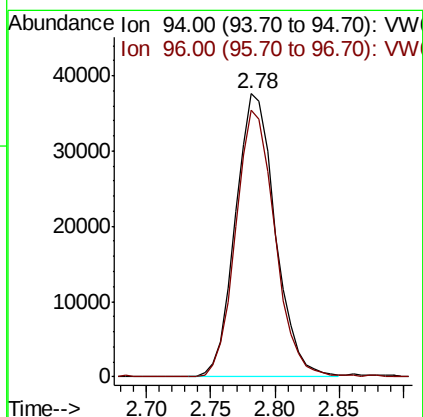
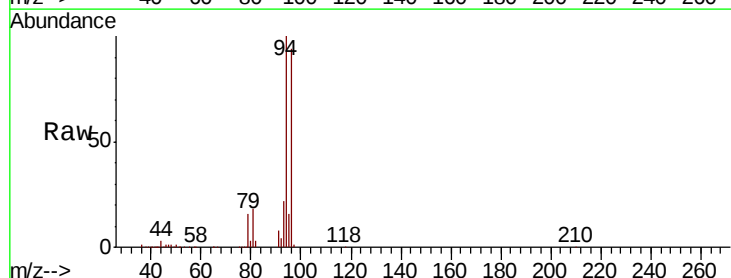
Acq: 03 Dec 2020 19:30

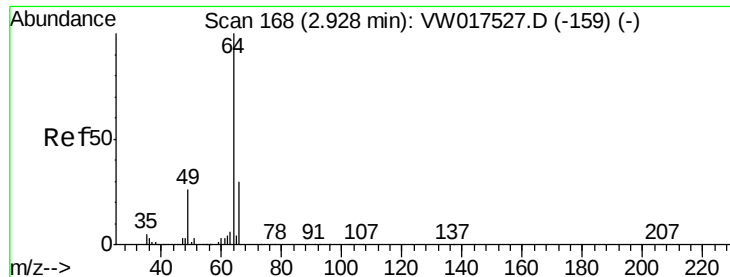
Tgt Ion: 94 Resp: 80699

Ion Ratio Lower Upper

94 100

96 92.8 9.4 178.0

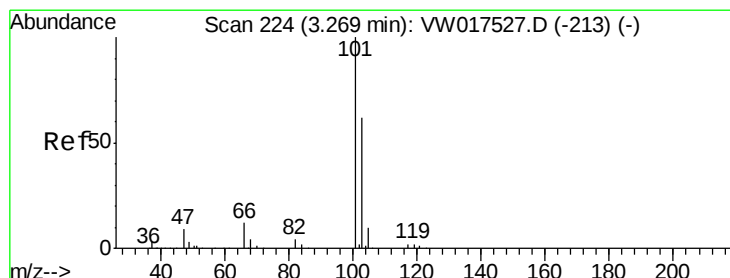
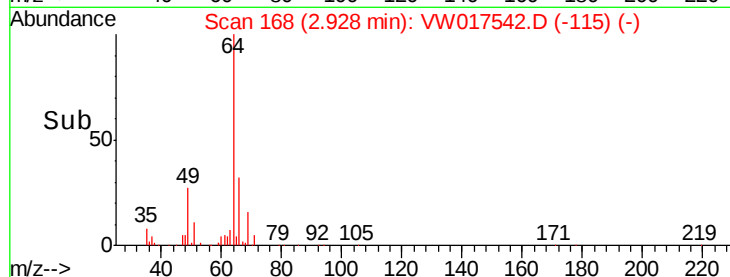
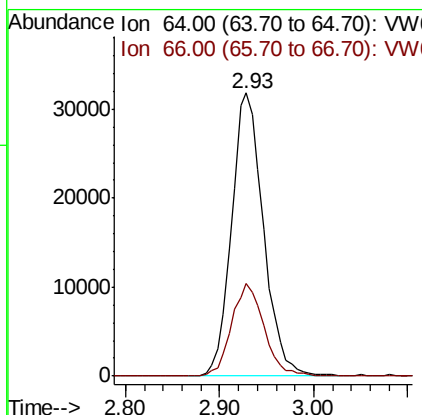
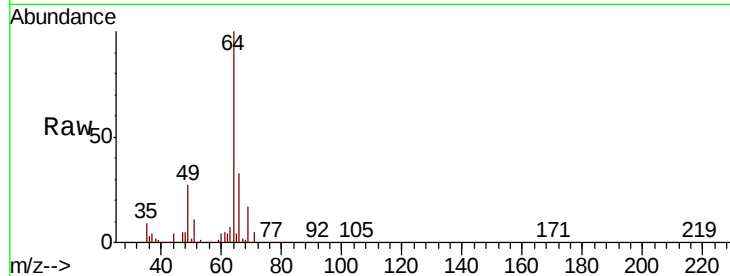




#8
Chloroethane
Concen: 22.658 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

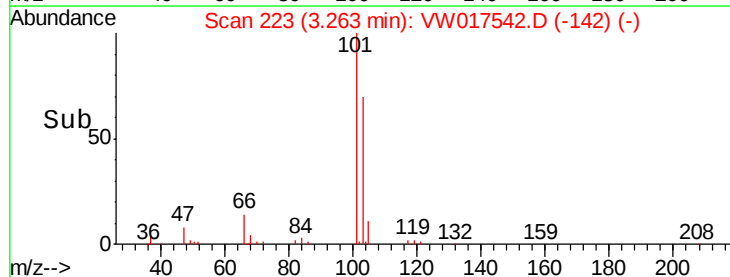
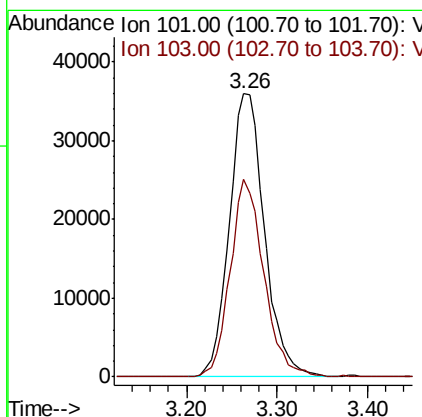
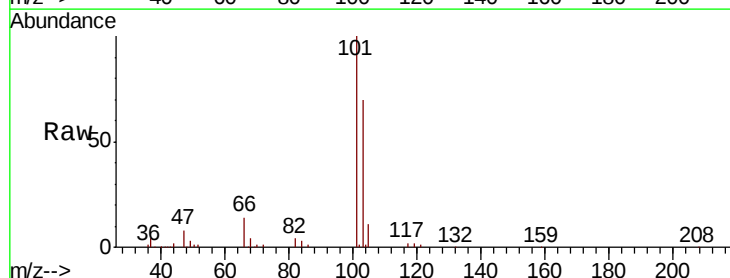
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

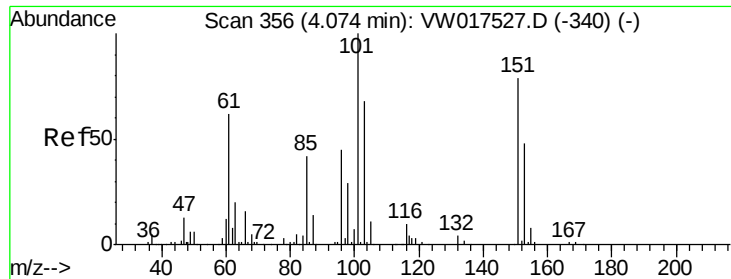
Tot Ion: 64 Resp: 74856
Ion Ratio Lower Upper
64 100
66 32.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 17.454 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion: 101 Resp: 96801
Ion Ratio Lower Upper
101 100
103 66.6 45.0 83.6





#11

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

Concen: 22.316 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

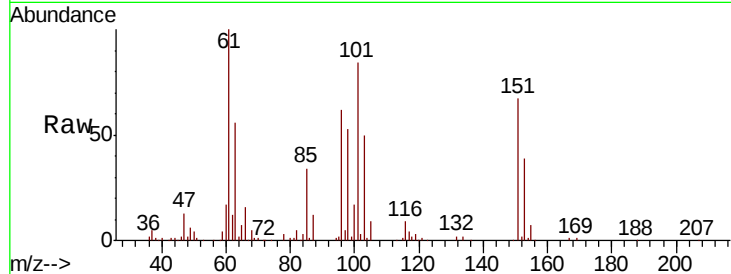
Tot Ion:101 Resp: 128716

Ion Ratio Lower Upper

101 100

85 43.4 34.2 51.4

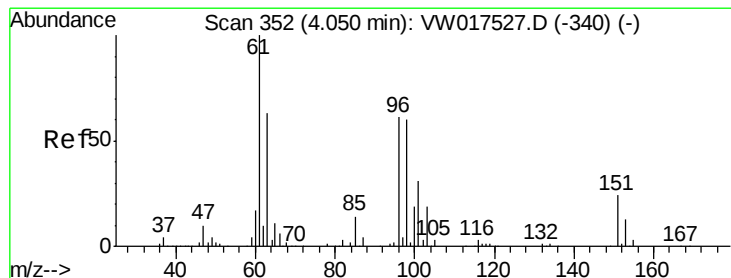
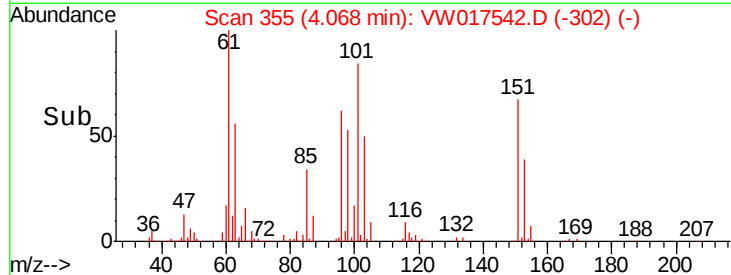
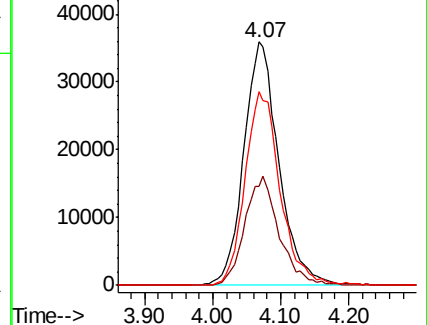
151 79.4 30.4 45.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 21.782 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

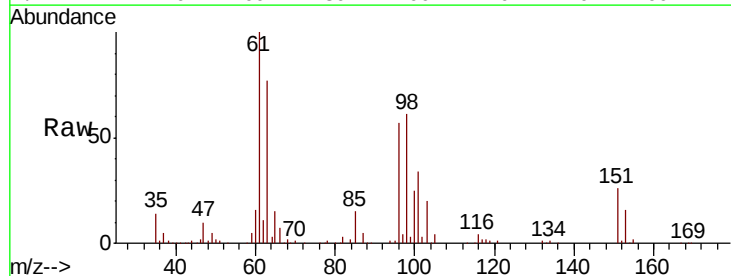
Tgt Ion: 96 Resp: 122277

Ion Ratio Lower Upper

96 100

61 175.6 112.5 208.9

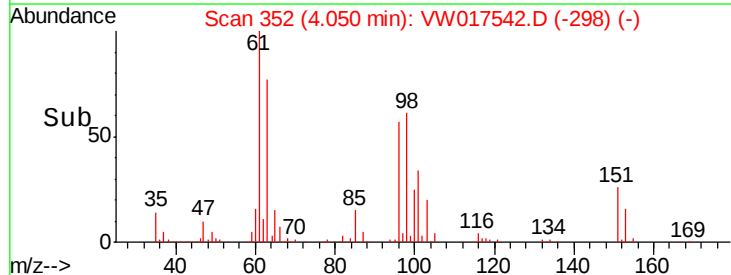
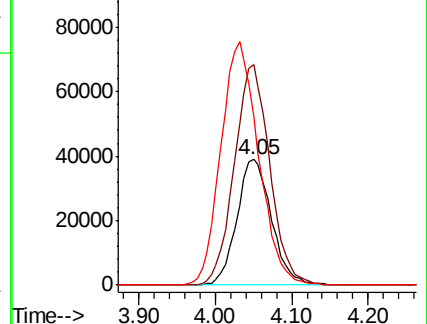
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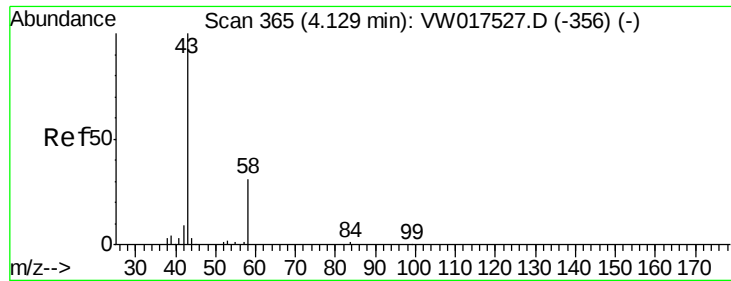


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 36.861 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

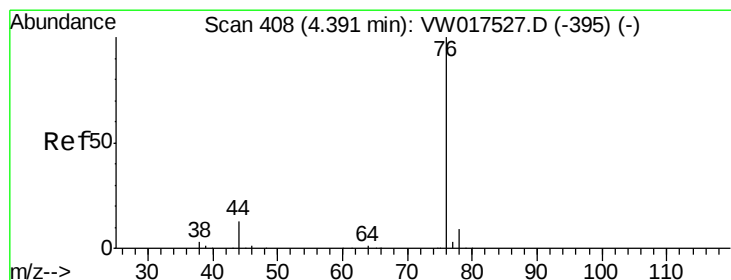
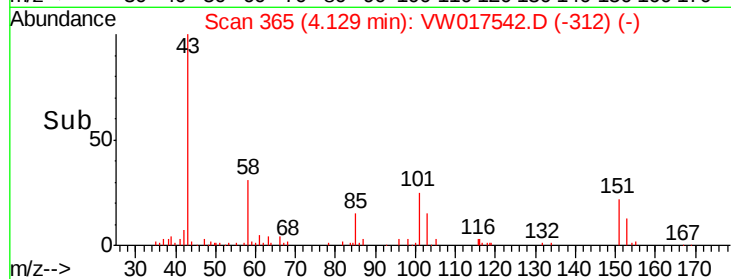
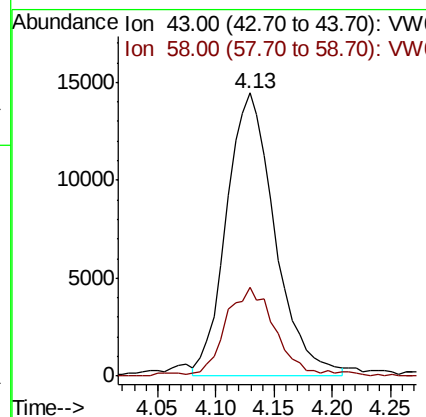
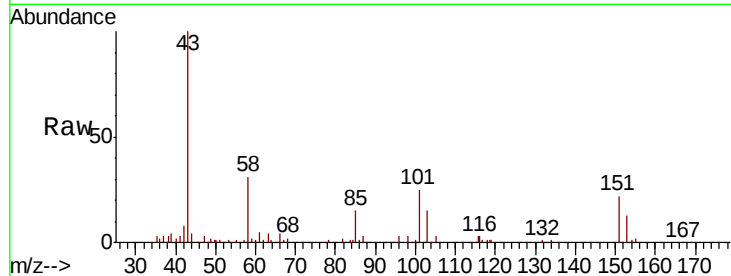
VSTD02527

Tot Ion: 43 Resp: 41690

Ion Ratio Lower Upper

43 100

58 31.3 0.0 68.4



#14

Carbon disulfide

Concen: 21.355 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017542.D

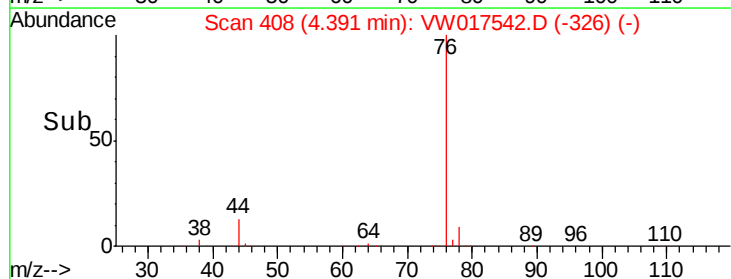
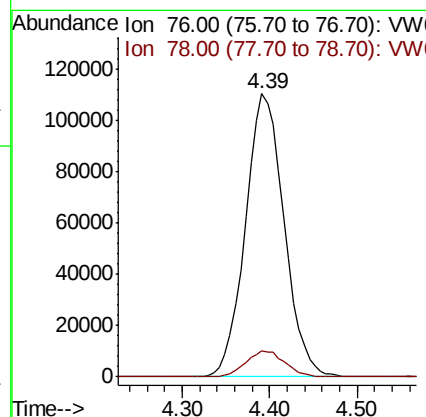
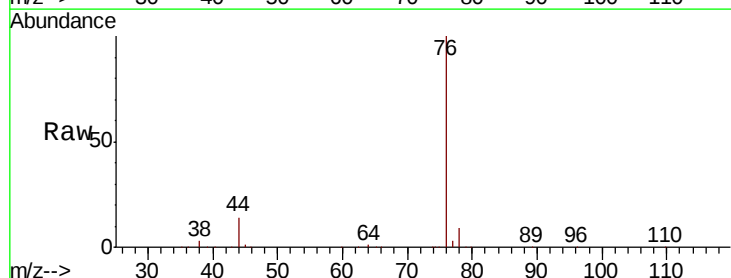
Acq: 03 Dec 2020 19:30

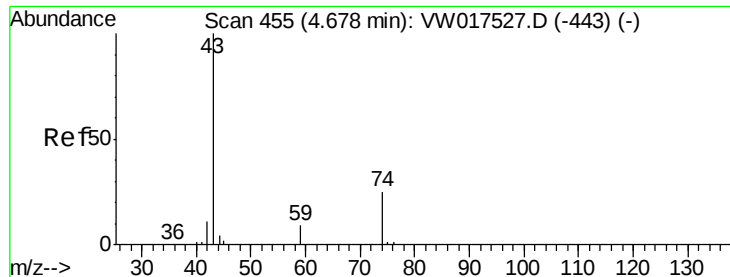
Tgt Ion: 76 Resp: 340645

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

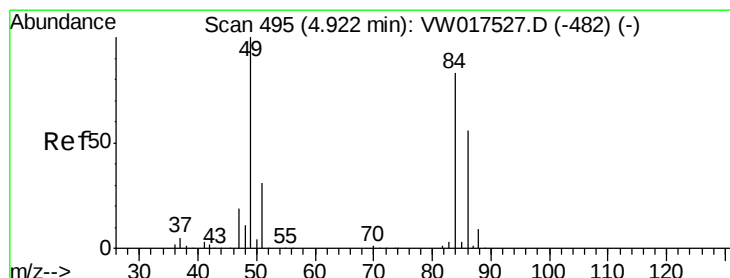
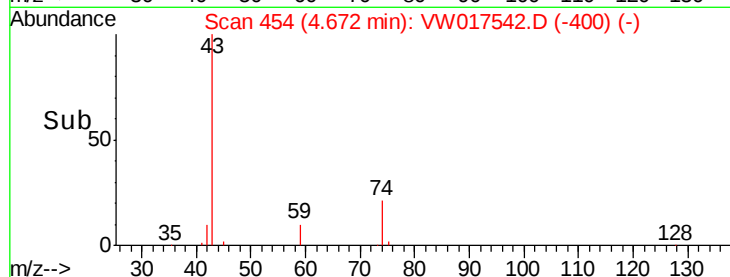
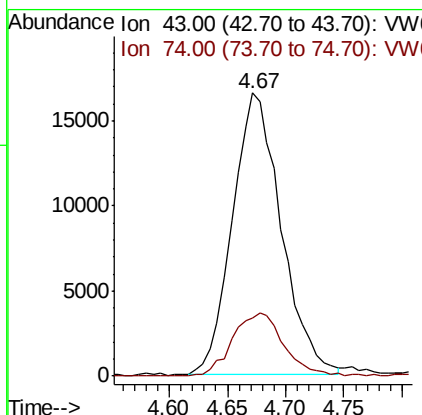
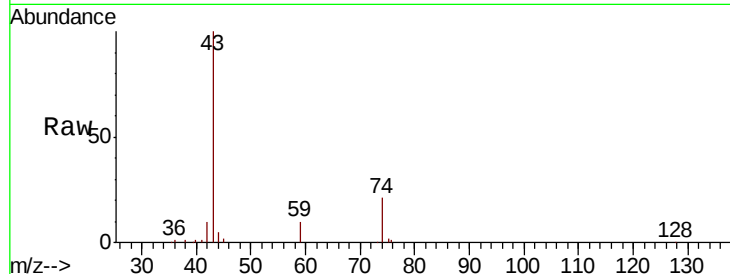




#15
Methvl Acetate
Concen: 24.921 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

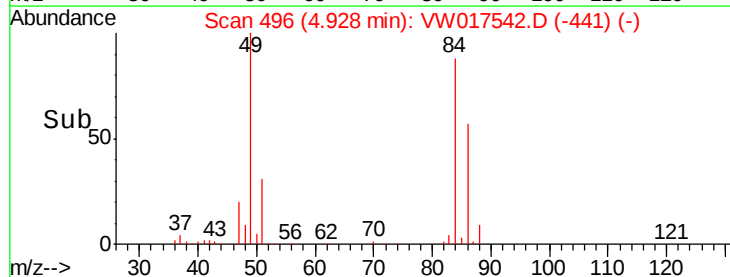
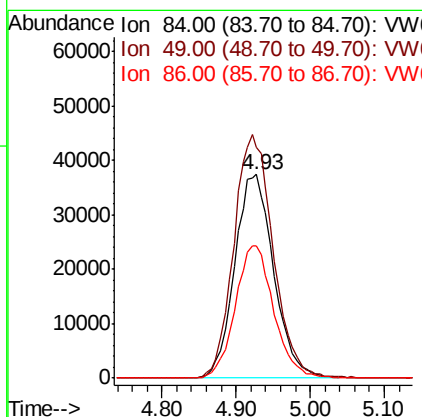
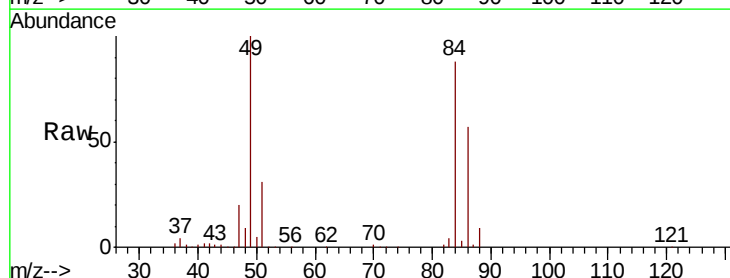
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

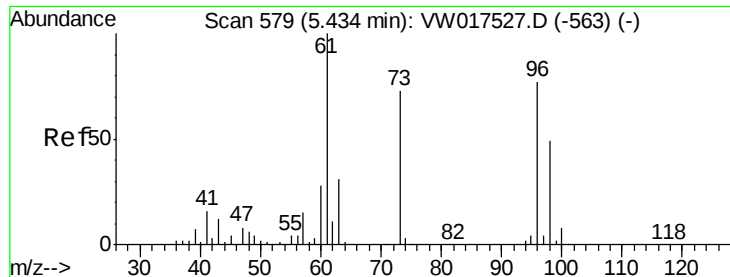
Tot Ion: 43 Resp: 48087
Ion Ratio Lower Upper
43 100
74 23.8 20.7 31.1



#16
Methylene chloride
Concen: 22.627 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion: 84 Resp: 137414
Ion Ratio Lower Upper
84 100
49 113.3 81.2 150.8
86 65.0 44.5 82.7

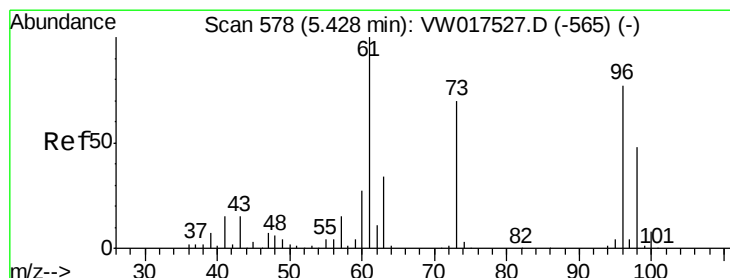
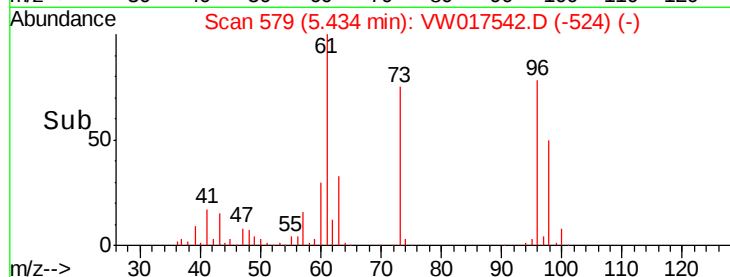
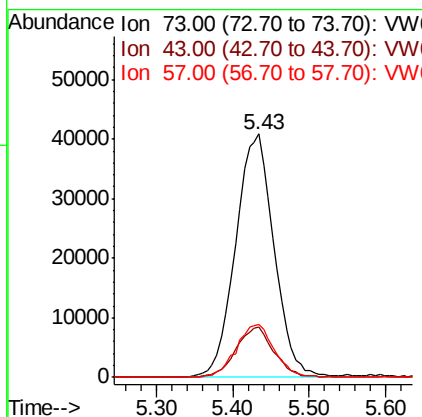
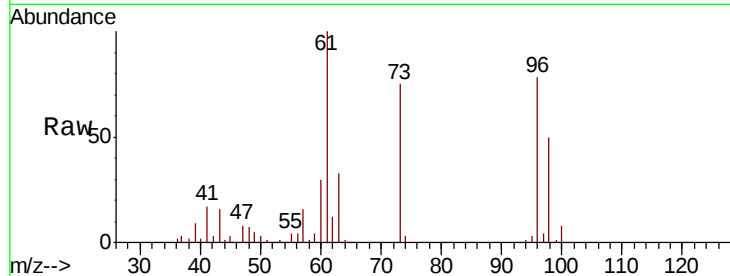




#17
Methvl tert-butvl Ether
Concen: 23.245 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

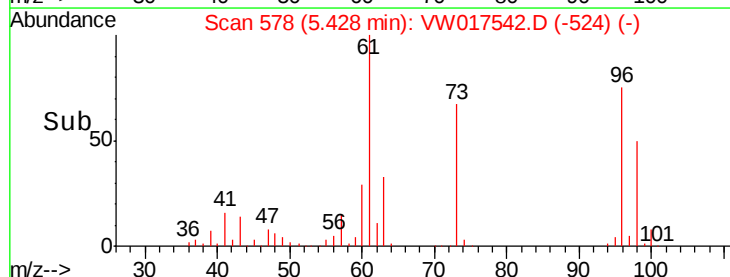
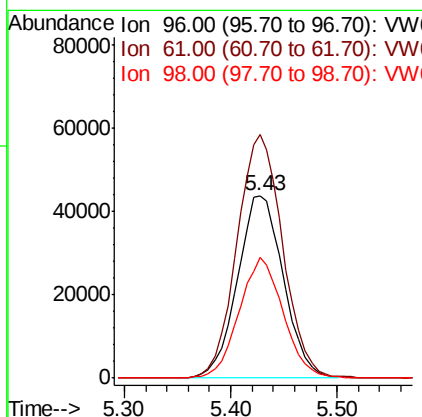
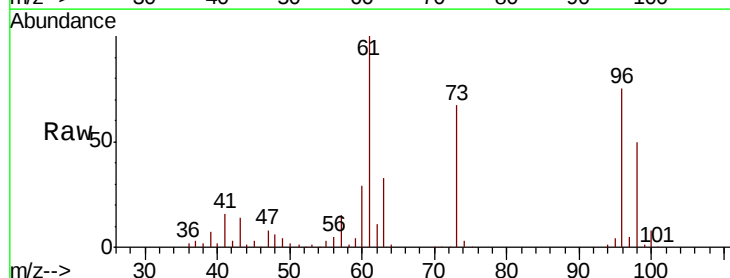
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

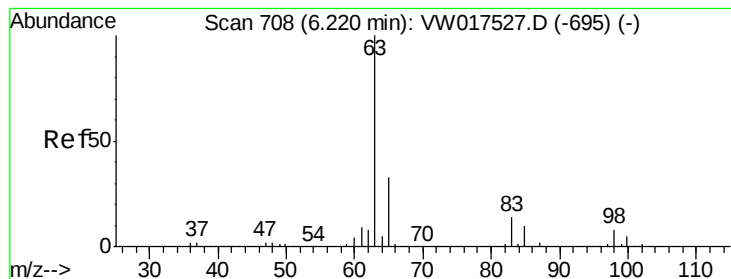
Tot Ion: 73 Resp: 142691
Ion Ratio Lower Upper
73 100
43 20.3 16.2 24.4
57 21.4 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 22.964 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion: 96 Resp: 132121
Ion Ratio Lower Upper
96 100
61 133.4 92.7 172.1
98 66.5 43.3 80.3





#19

1,1-Dichloroethane

Concen: 23.715 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

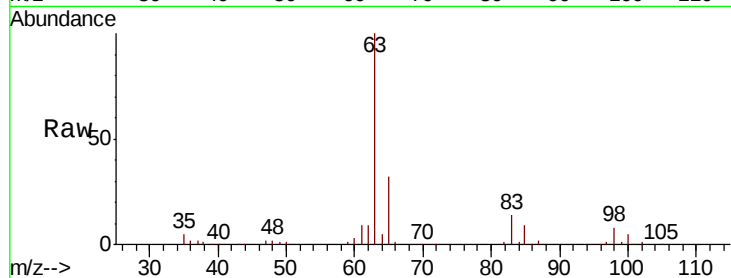
Tot Ion: 63 Resp: 231652

Ion Ratio Lower Upper

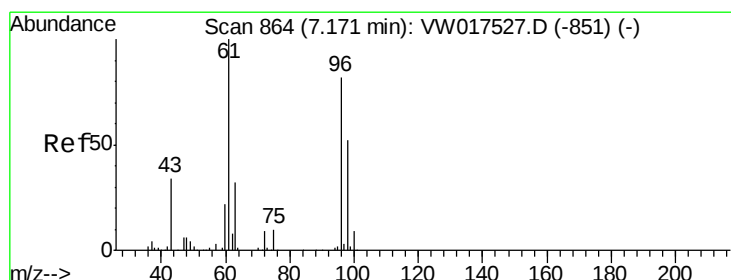
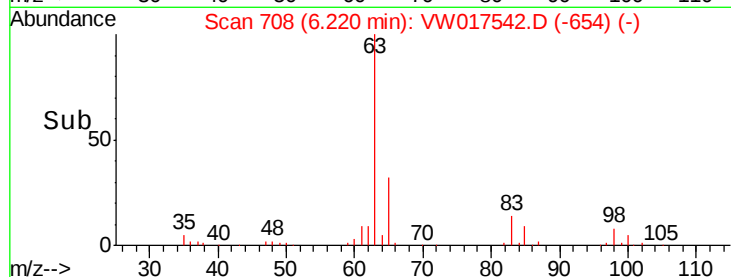
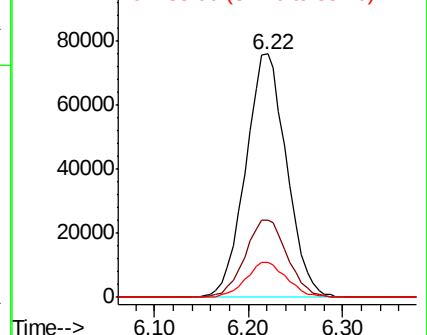
63 100

65 31.5 21.9 40.7

83 14.4 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: 44.881 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017542.D

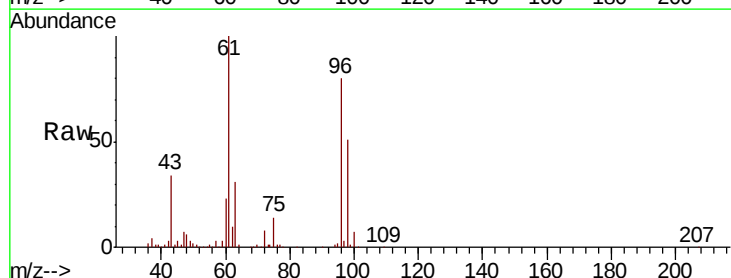
Acq: 03 Dec 2020 19:30

Tgt Ion: 43 Resp: 60177

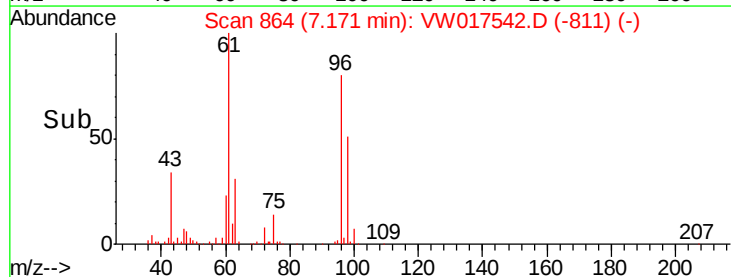
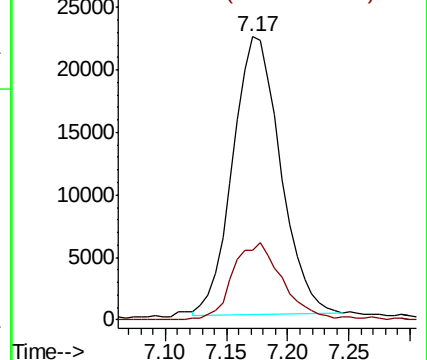
Ion Ratio Lower Upper

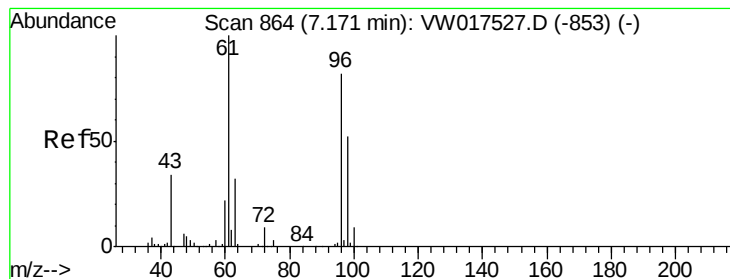
43 100

72 28.9 14.4 43.2



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



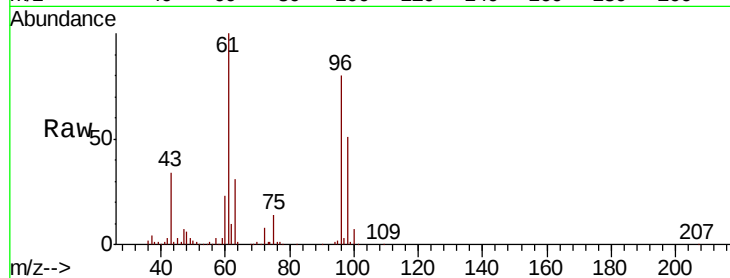


#22

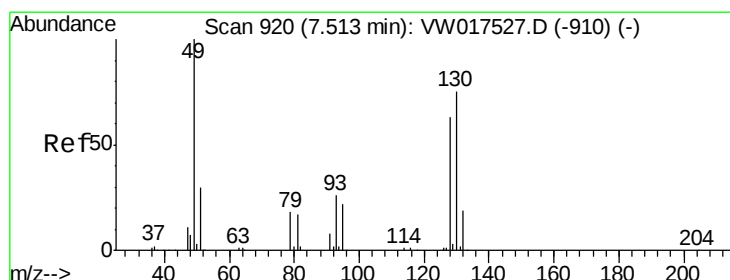
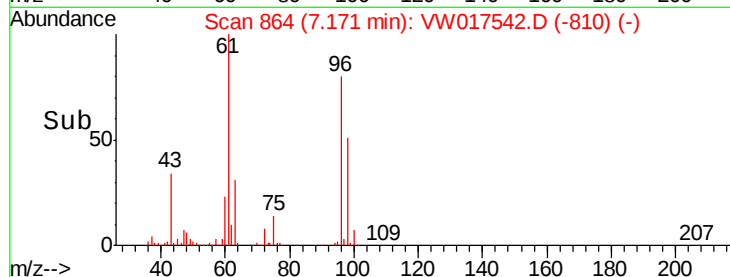
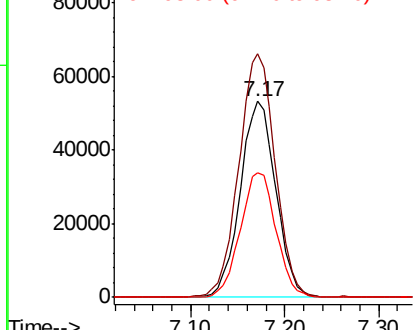
cis-1,2-Dichloroethene
Concen: 23.363 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Tot Ion: 96 Resp: 140788
Ion Ratio Lower Upper
96 100
61 124.3 84.6 157.2
98 63.6 44.7 82.9



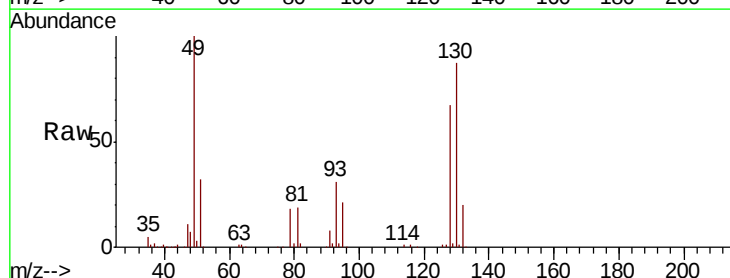
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



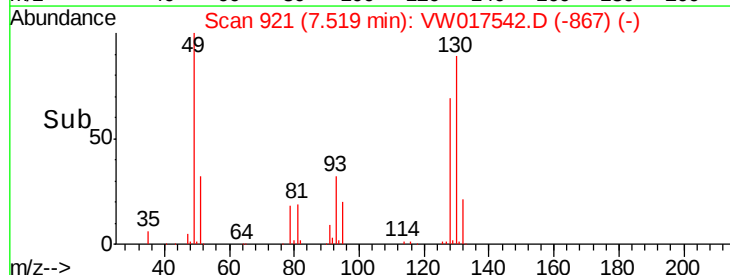
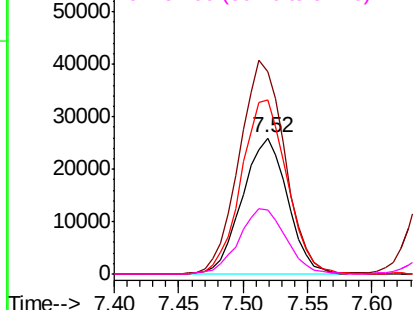
#23

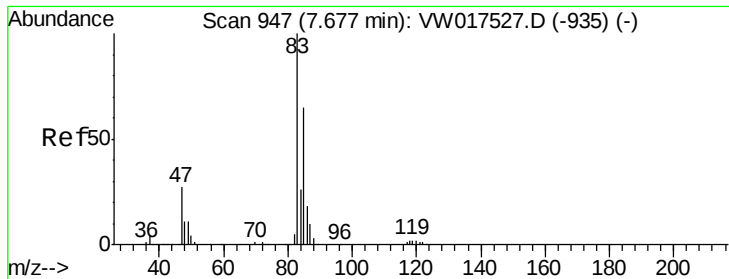
Bromochloromethane
Concen: 23.163 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion: 128 Resp: 63384
Ion Ratio Lower Upper
128 100
49 148.5 101.6 188.6
130 128.6 90.4 167.8
51 46.8 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

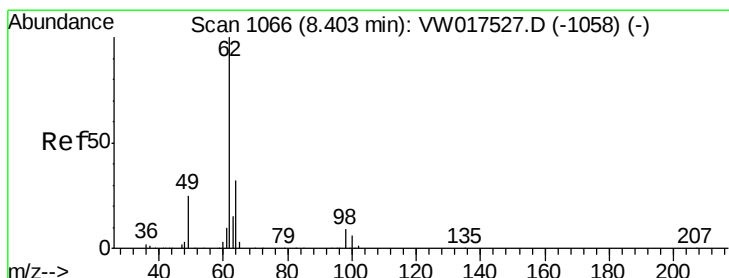
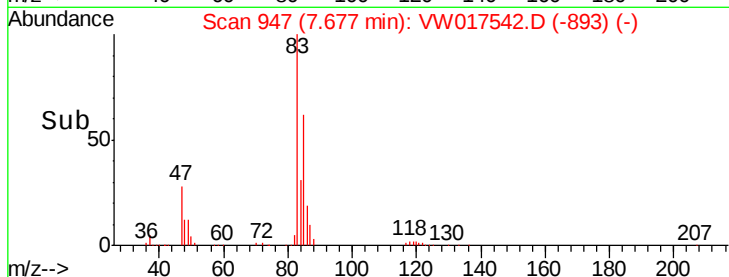
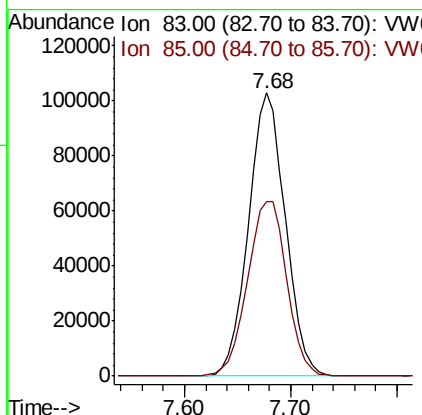
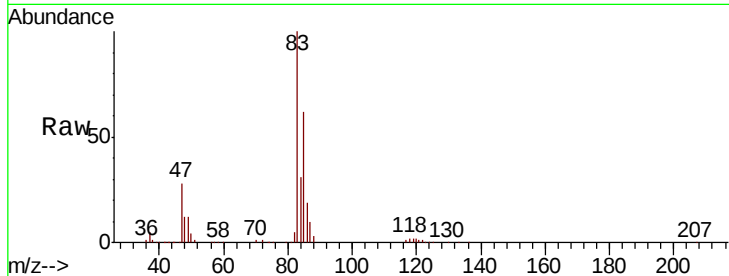




#25
Chloroform
Concen: 24.232 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

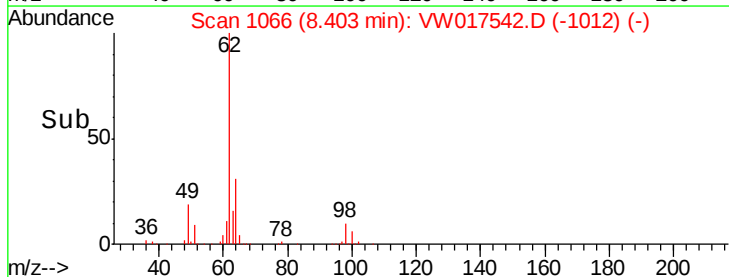
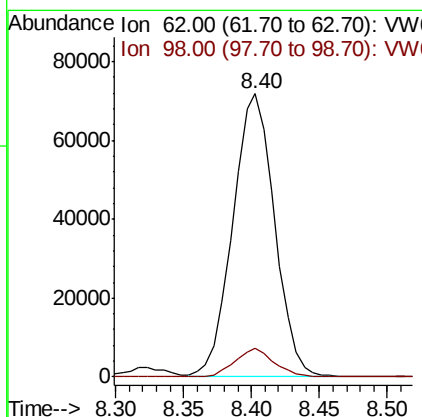
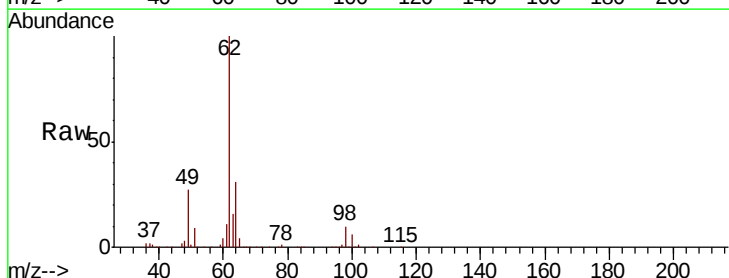
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

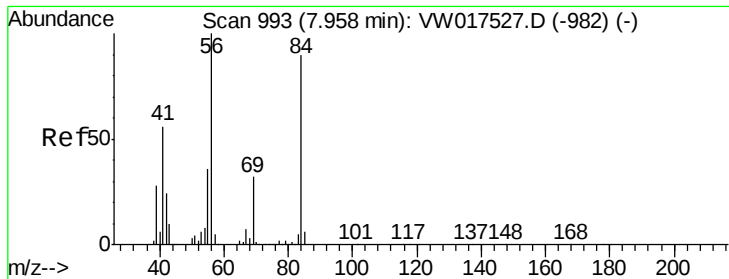
Tot Ion: 83 Resp: 249889
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.620 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion: 62 Resp: 154247
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0

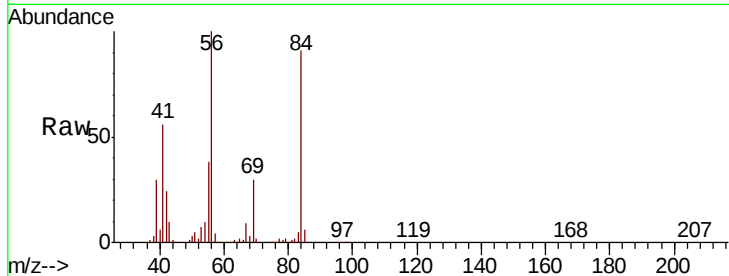




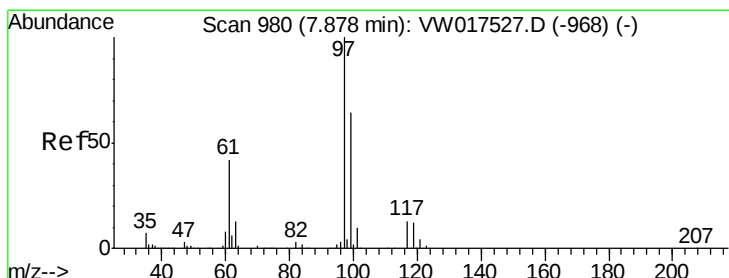
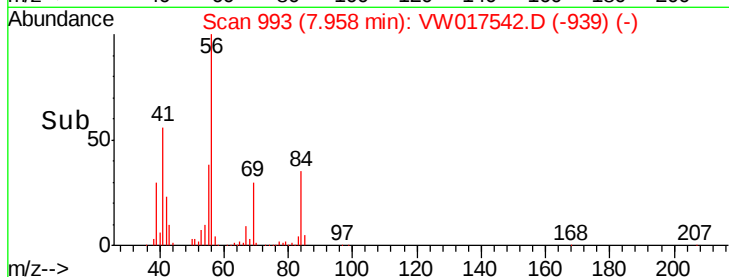
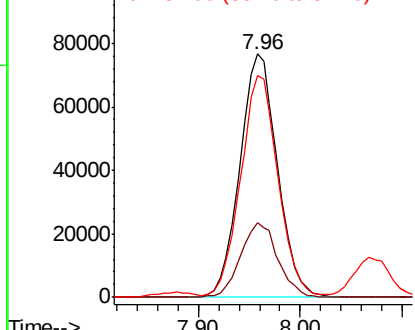
#30
Cyclohexane
Concen: 22.117 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Tot Ion: 56 Resp: 195922
Ion Ratio Lower Upper
56 100
69 30.4 24.8 37.2
84 91.2 74.2 111.4

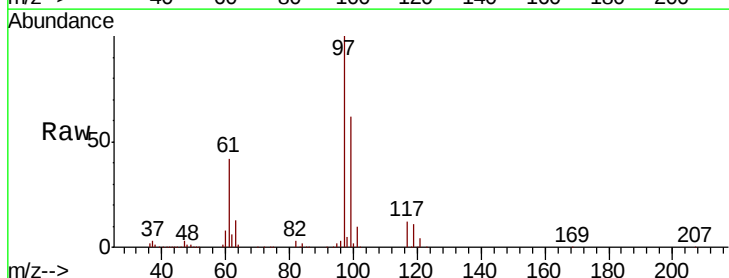


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

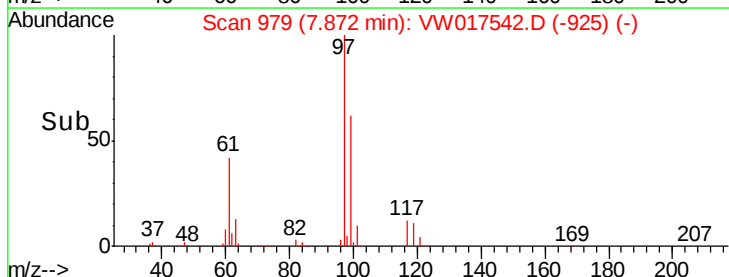
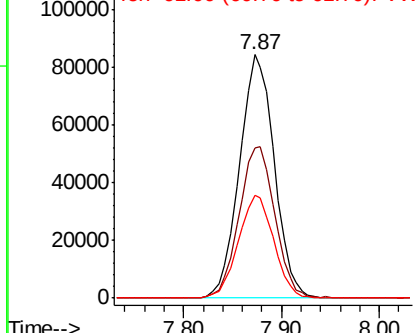


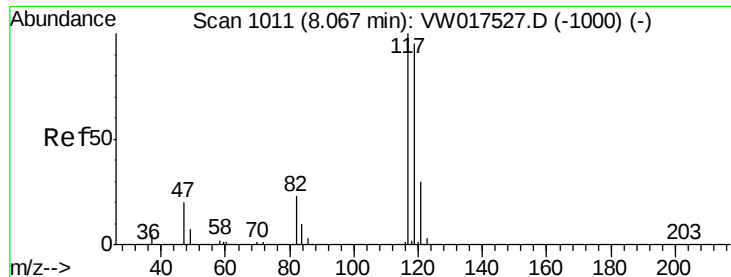
#31
1,1,1-Trichloroethane
Concen: 23.489 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion: 97 Resp: 208443
Ion Ratio Lower Upper
97 100
99 63.8 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: 23.610 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

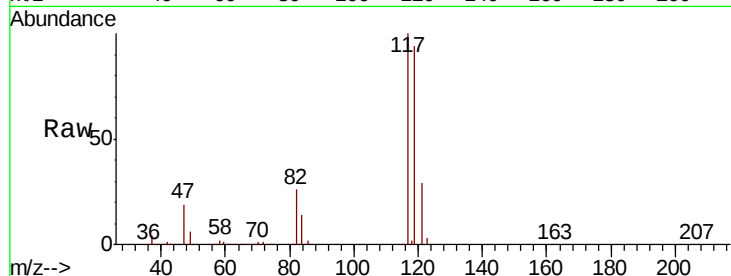
VSTD02527

Tot Ion:117 Resp: 203180

Ion Ratio Lower Upper

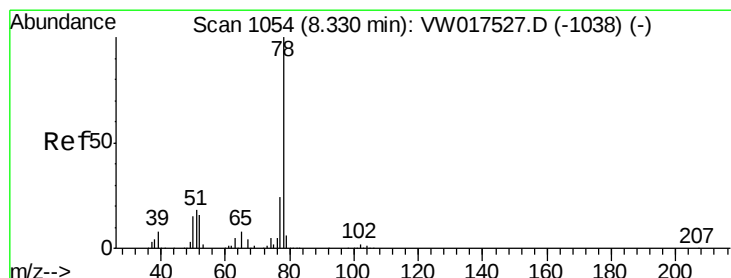
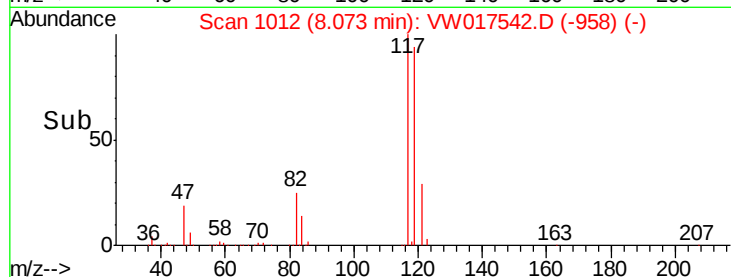
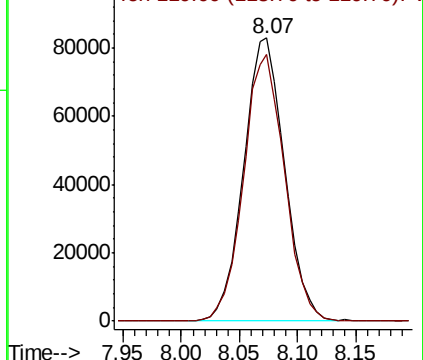
117 100

119 94.4 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: 23.706 ug/L

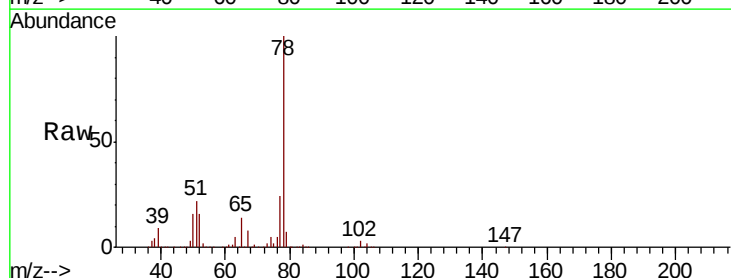
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

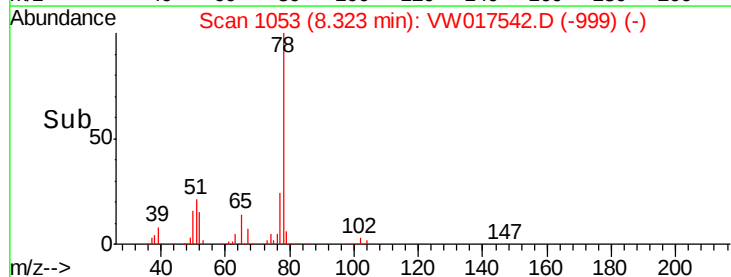
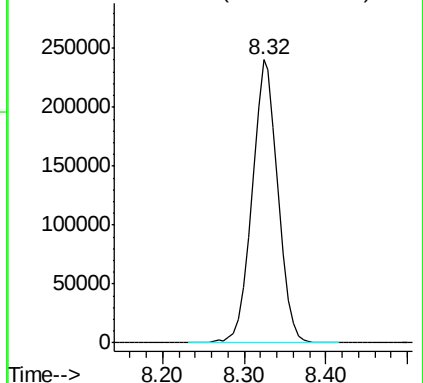
Lab File: VW017542.D

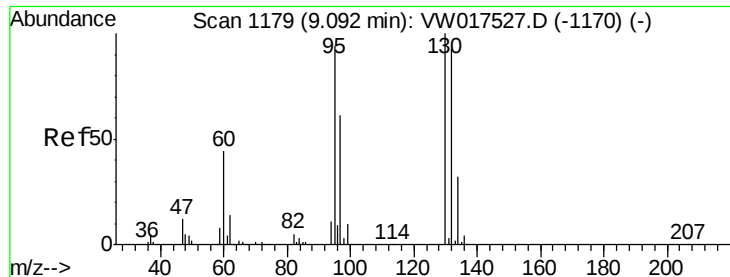
Acq: 03 Dec 2020 19:30

Tgt Ion: 78 Resp: 529694



Abundance Ion 78.00 (77.70 to 78.70): VW

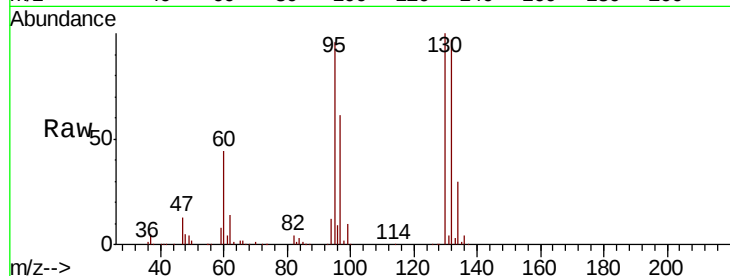




#35
 Trichloroethene
 Concen: 22.749 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion:	95	Resp:	141388
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.0	83.6
132	100.3	71.0	131.8
130	104.5	75.6	140.4



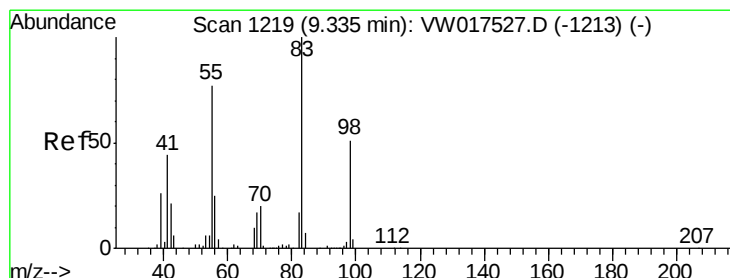
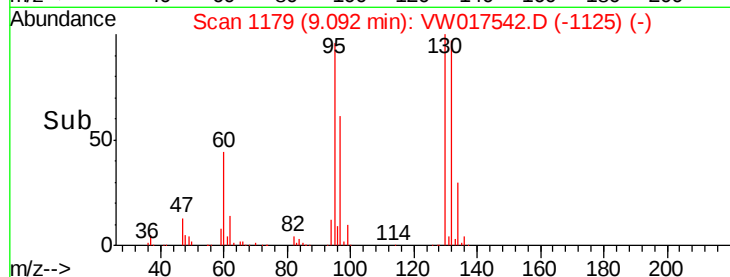
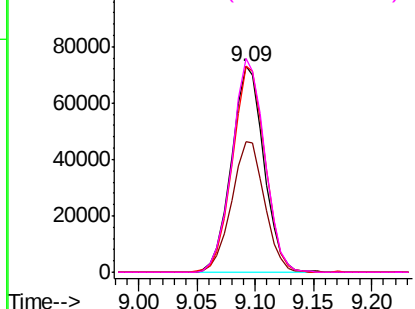
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

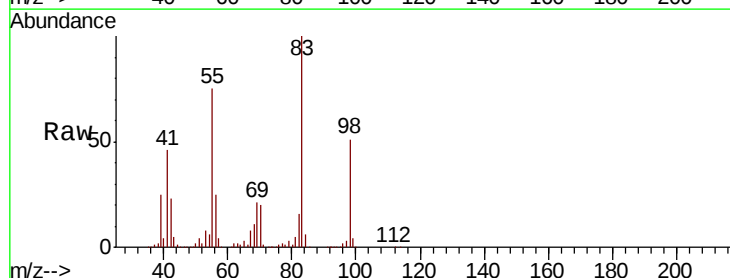
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 21.840 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion:	83	Resp:	223103
Ion	Ratio	Lower	Upper
83	100		
55	74.8	59.4	89.0
98	50.7	40.7	61.1

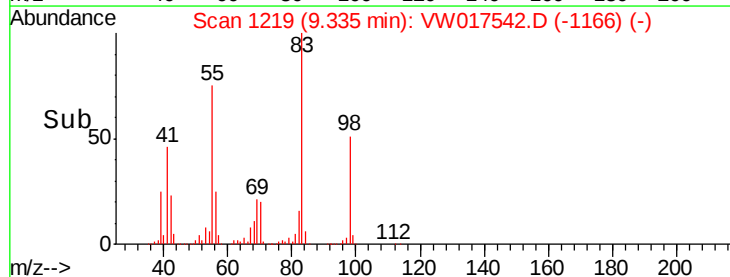
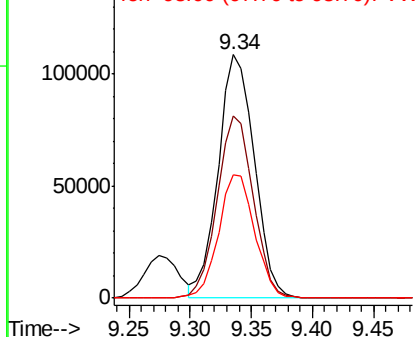


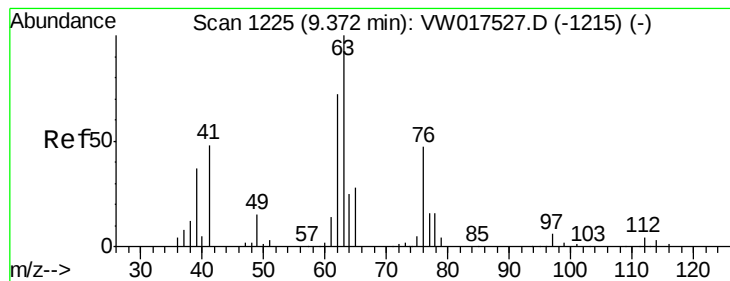
Abundance

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: 24.509 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

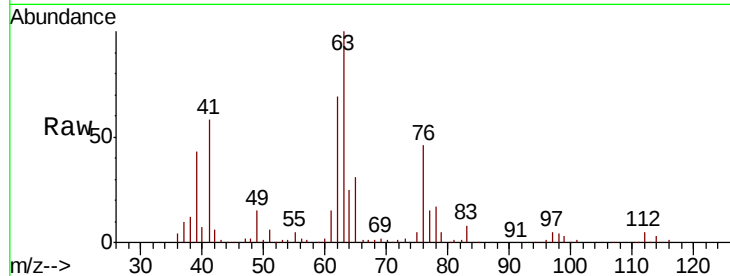
VSTD02527

Tot Ion: 63 Resp: 129204

Ion Ratio Lower Upper

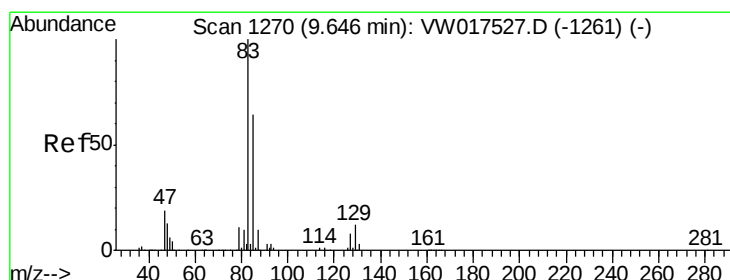
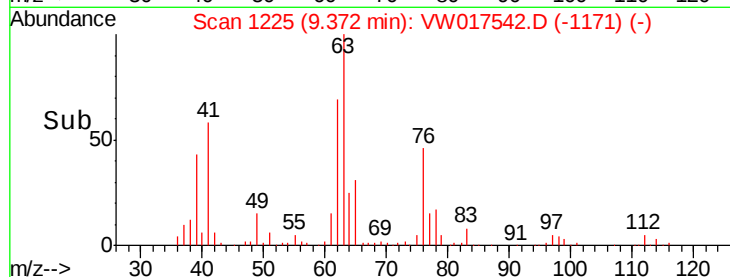
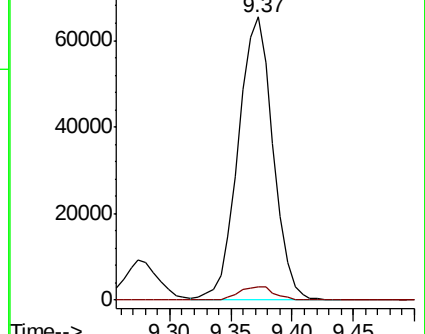
63 100

112 4.9 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.533 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

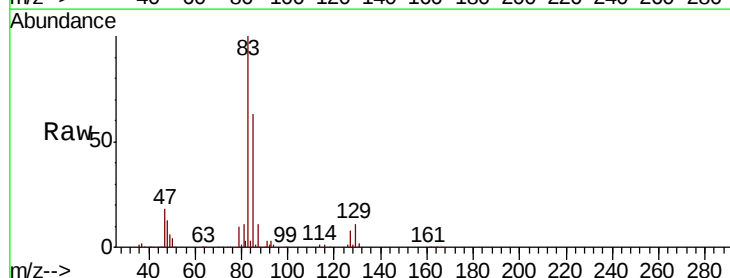
Tgt Ion: 83 Resp: 178830

Ion Ratio Lower Upper

83 100

85 62.9 46.8 86.8

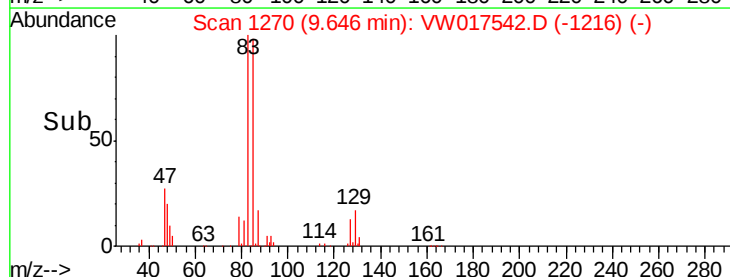
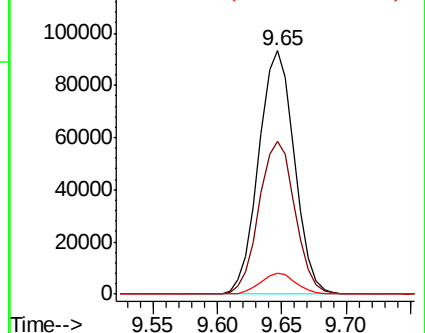
127 8.4 7.6 11.4

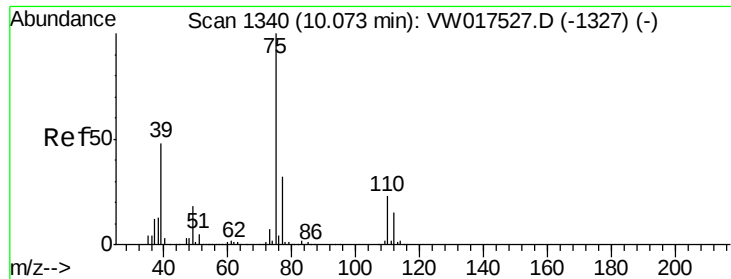


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

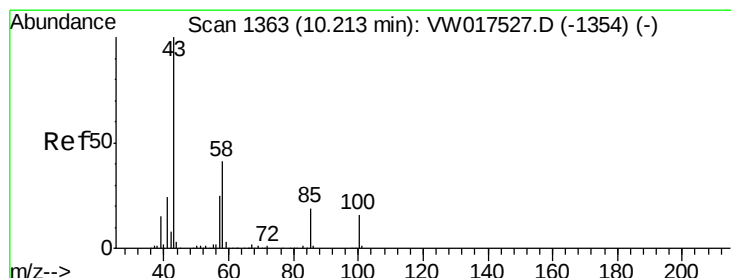
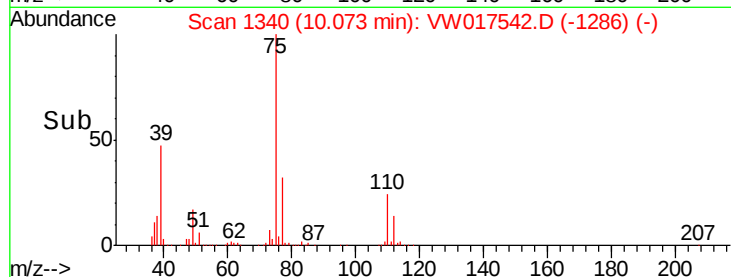
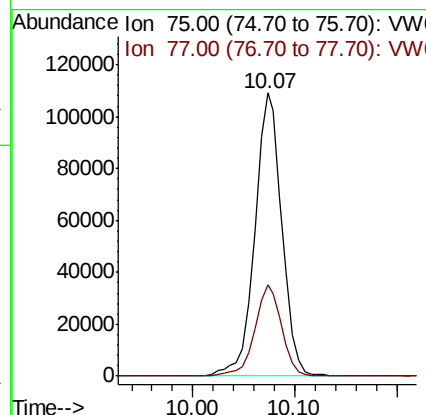
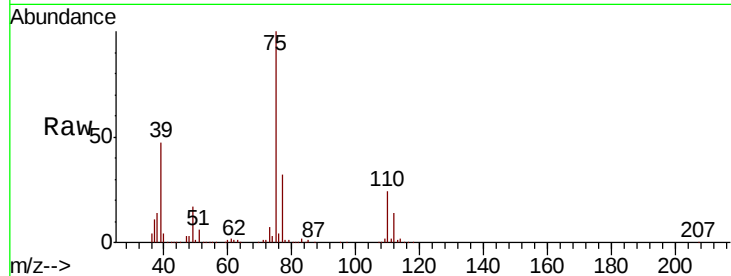




#42
 cis-1,3-Dichloropropene
 Concen: 24.560 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

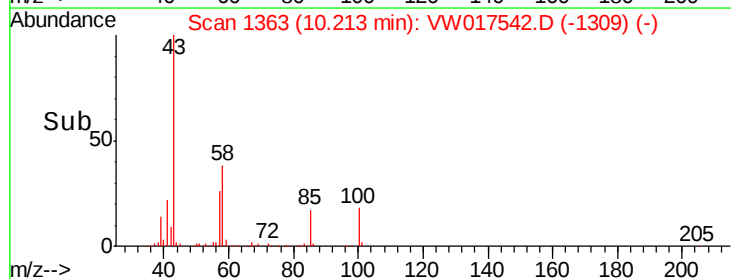
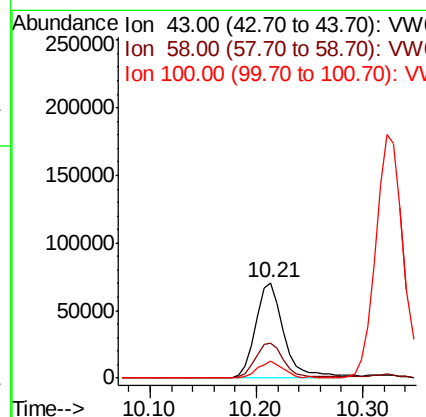
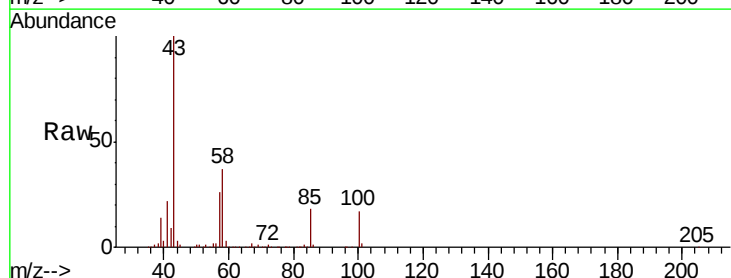
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

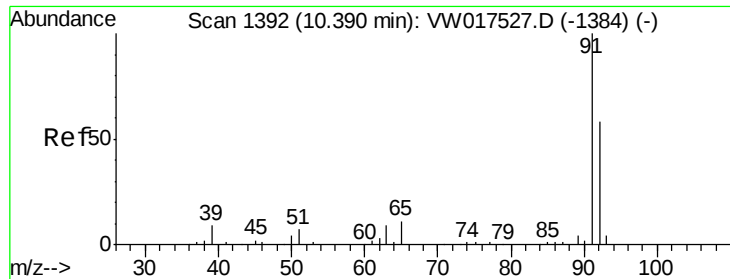
Tot Ion: 75 Resp: 201354
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 53.623 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion: 43 Resp: 132282
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.6 47.4
 100 15.7 14.1 21.1





#44

Toluene

Concen: 23.980 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

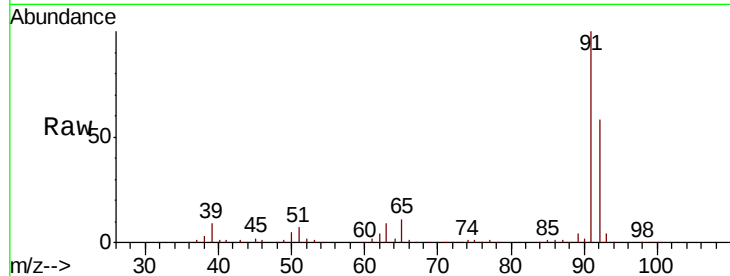
VSTD02527

Tot Ion: 91 Resp: 577545

Ion Ratio Lower Upper

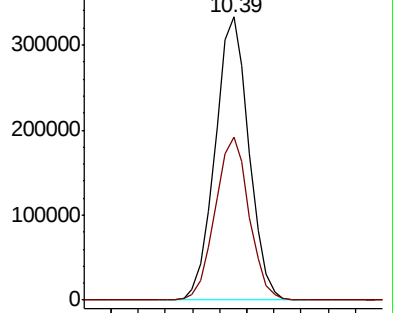
91 100

92 57.7 41.6 77.3

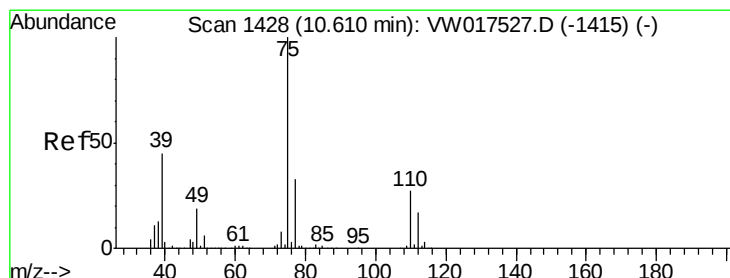
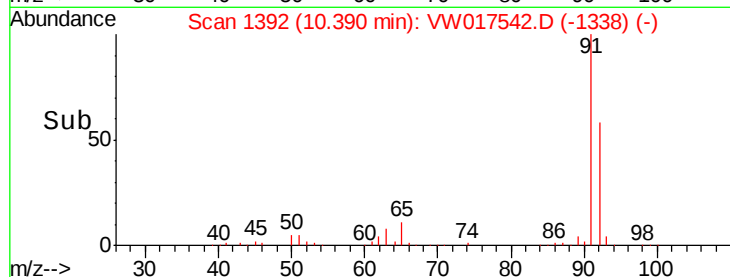


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.039 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017542.D

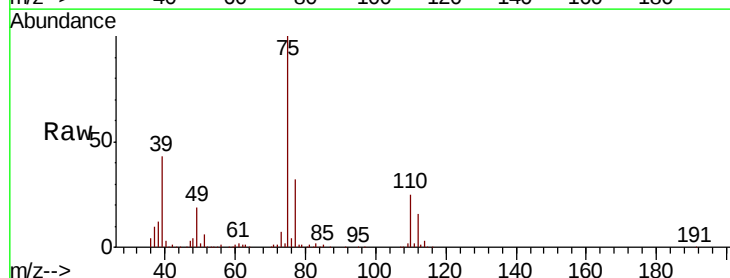
Acq: 03 Dec 2020 19:30

Tgt Ion: 75 Resp: 176684

Ion Ratio Lower Upper

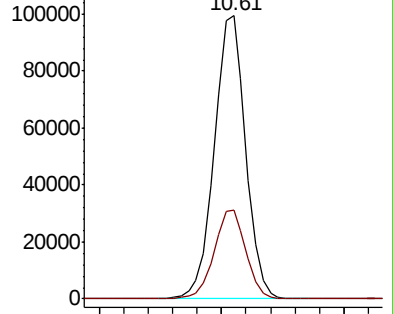
75 100

77 31.6 22.6 42.0

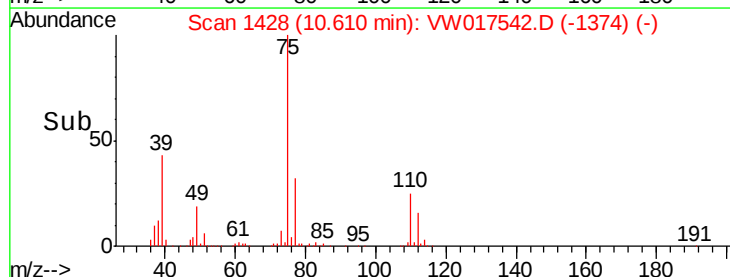


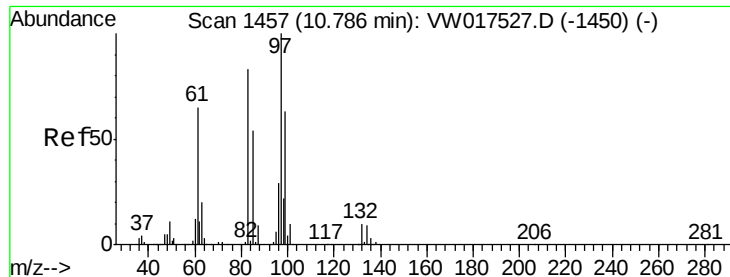
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#46

1,1,2-Trichloroethane

Concen: 24.367 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 97 Resp: 96934

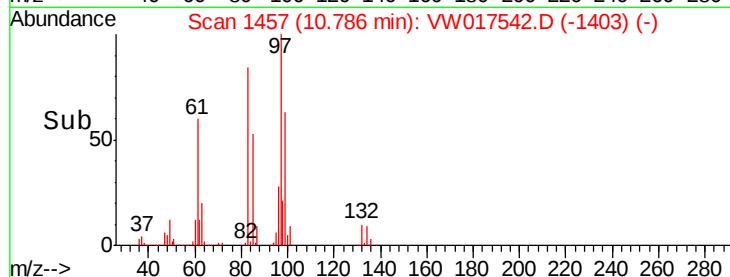
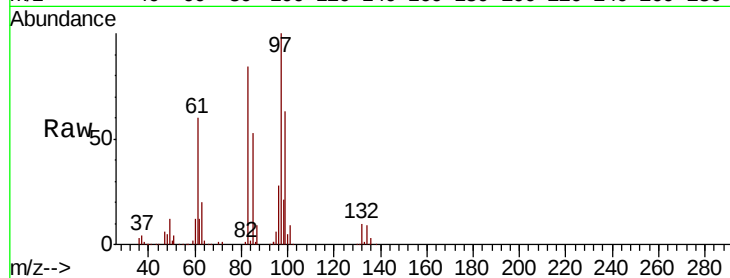
Ion Ratio Lower Upper

97 100

83 84.0 58.5 108.7

85 53.5 37.8 70.2

99 63.1 43.7 81.1

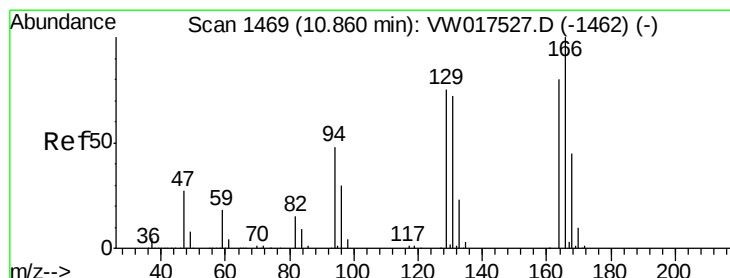
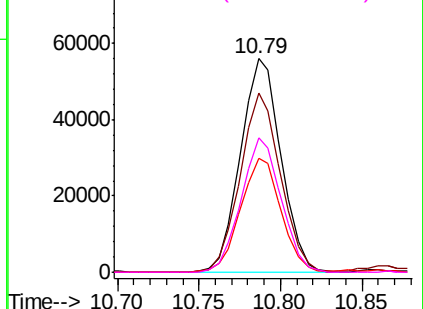


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.741 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Tgt Ion: 164 Resp: 130210

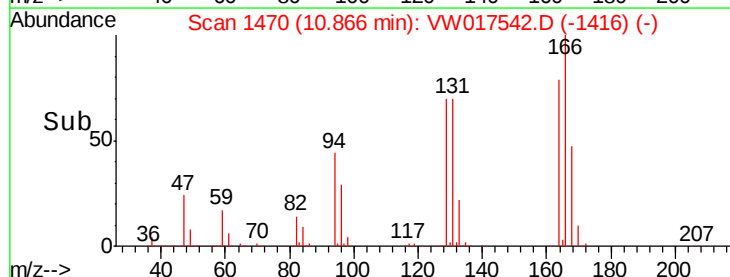
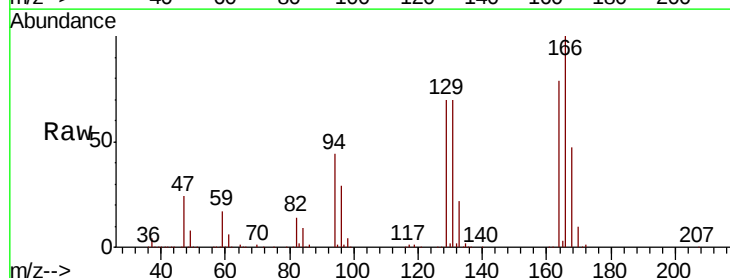
Ion Ratio Lower Upper

164 100

129 89.2 67.6 125.6

131 88.6 65.2 121.2

166 126.5 93.2 173.2

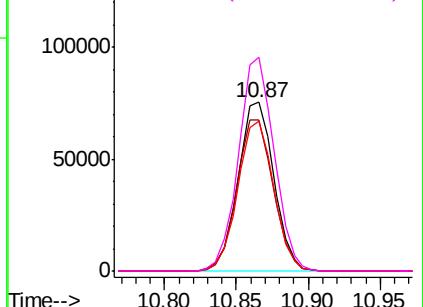


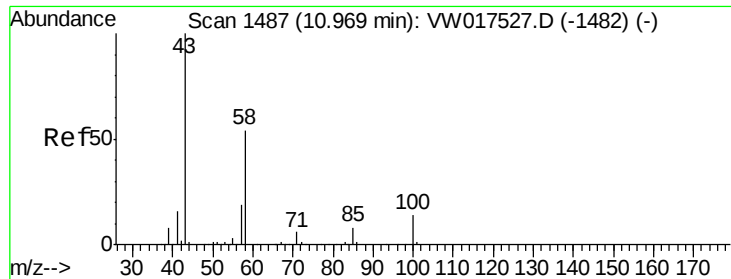
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 51.240 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 43 Resp: 92171

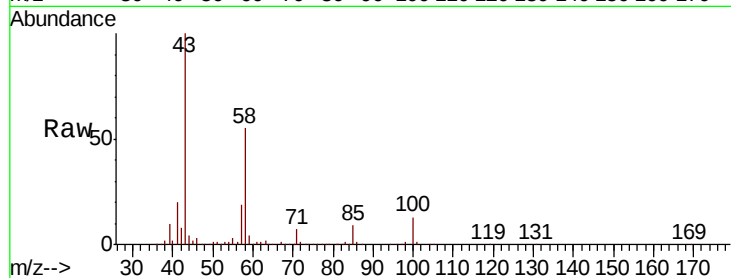
Ion Ratio Lower Upper

43 100

58 49.5 51.3 76.9#

57 16.6 15.0 22.6

100 12.6 12.2 18.2



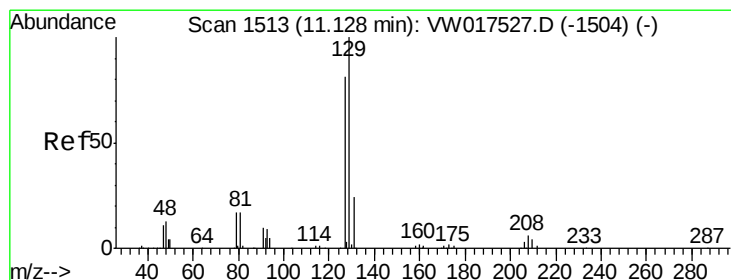
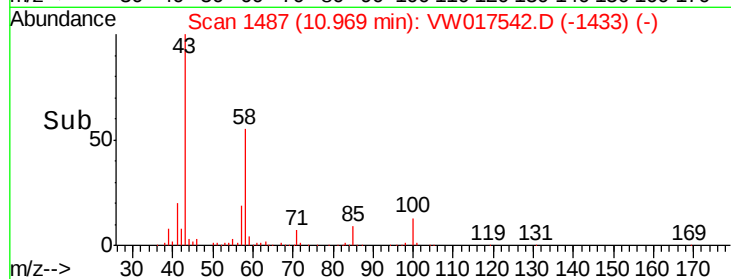
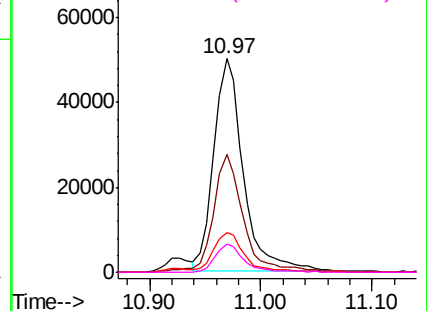
Abundance

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: 24.387 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017542.D

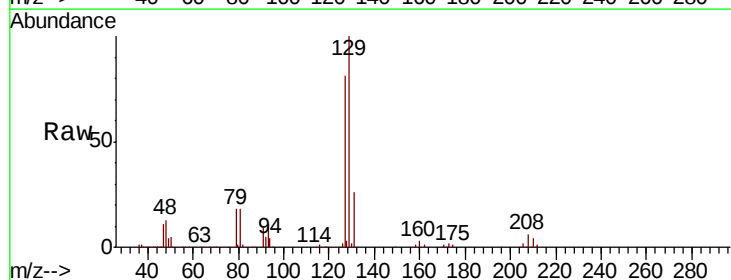
Acq: 03 Dec 2020 19:30

Tgt Ion: 129 Resp: 120249

Ion Ratio Lower Upper

129 100

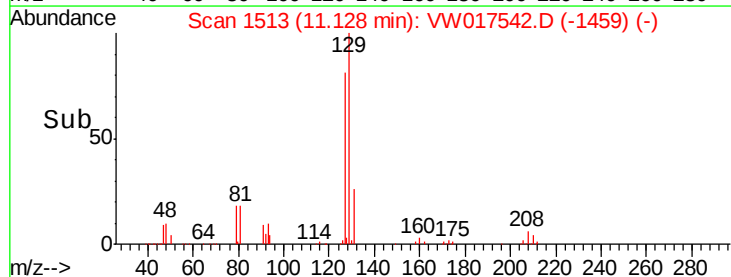
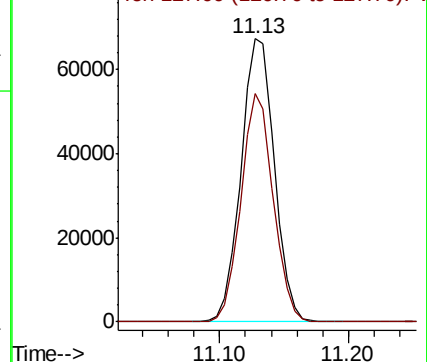
127 80.7 53.2 98.8

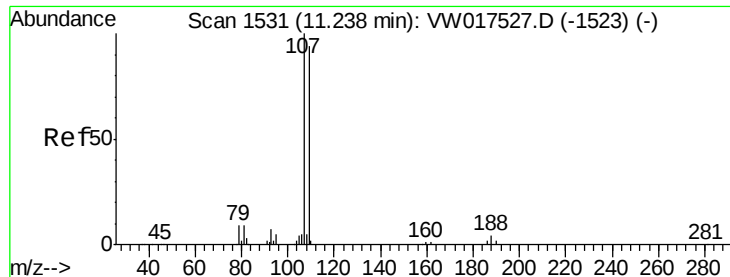


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

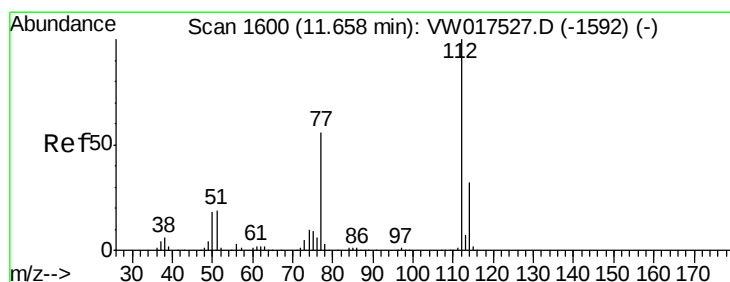
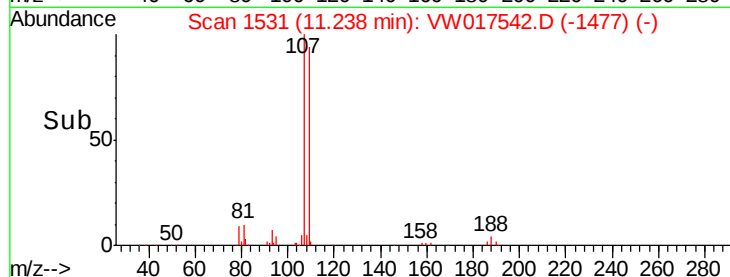
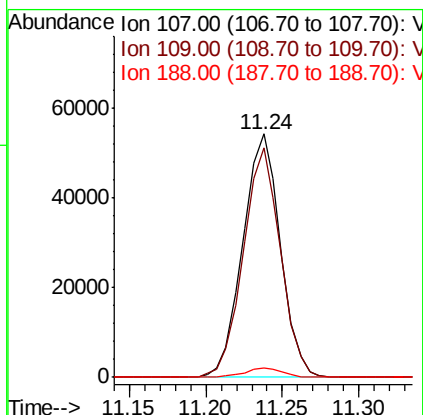
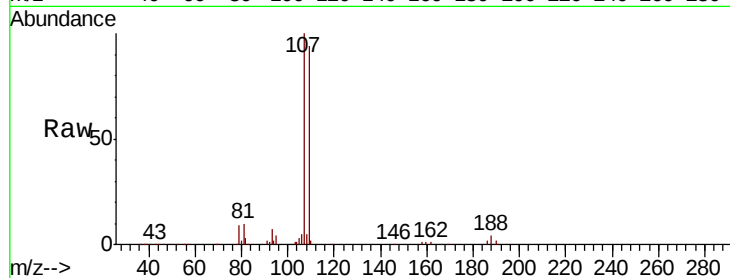




#51
1,2-Dibromoethane
Concen: 24.327 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

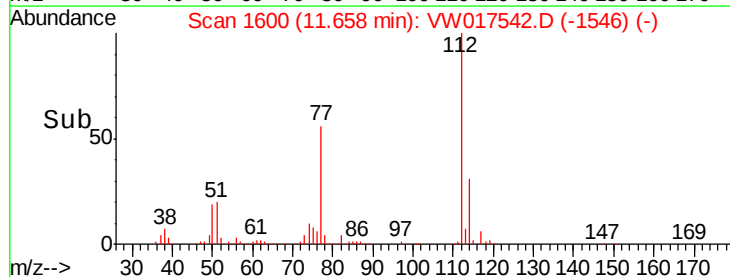
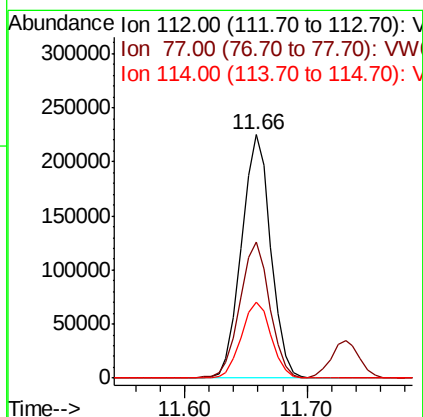
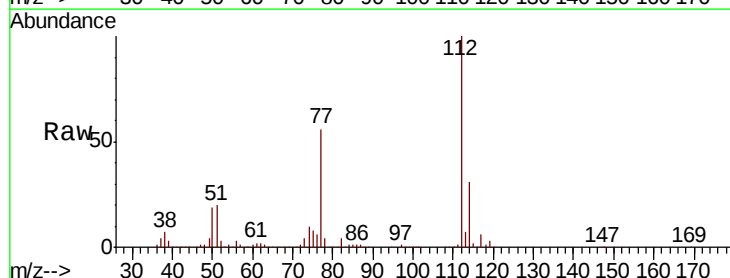
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

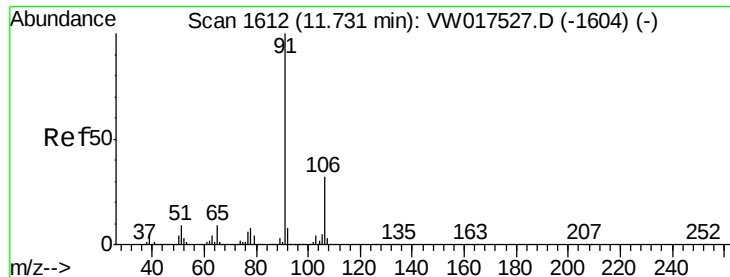
Tot Ion:107 Resp: 92523
Ion Ratio Lower Upper
107 100
109 94.5 66.4 123.2
188 3.9 4.0 6.0#



#52
Chlorobenzene
Concen: 23.701 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion:112 Resp: 372901
Ion Ratio Lower Upper
112 100
77 55.7 42.6 64.0
114 31.3 21.6 40.2

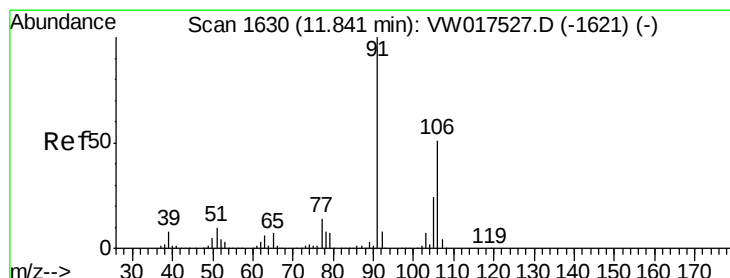
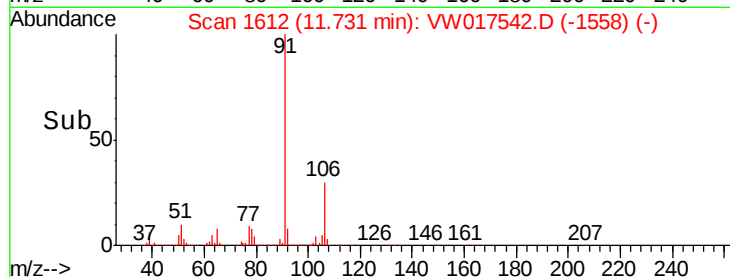
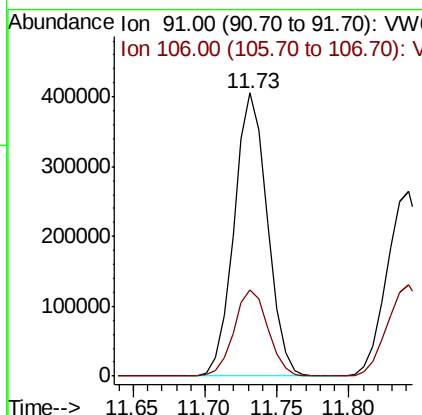
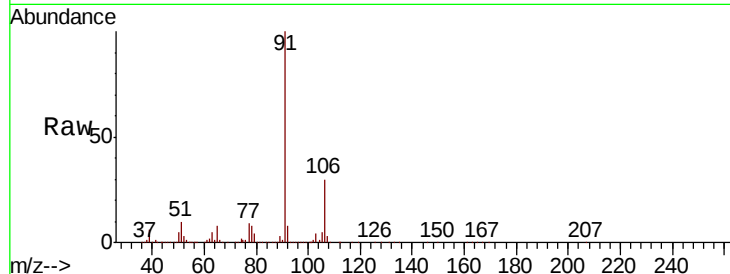




#53
Ethylbenzene
Concen: 23.887 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

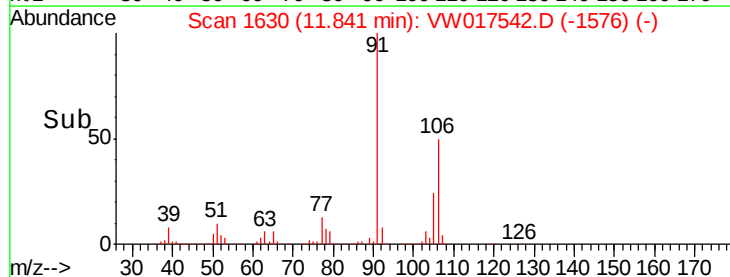
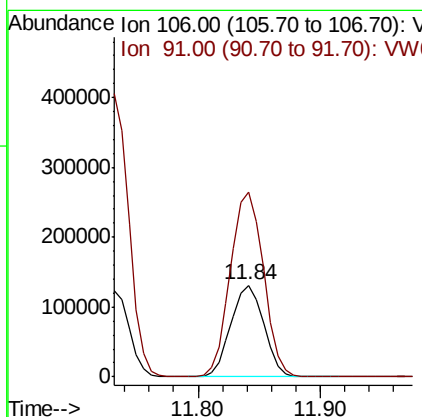
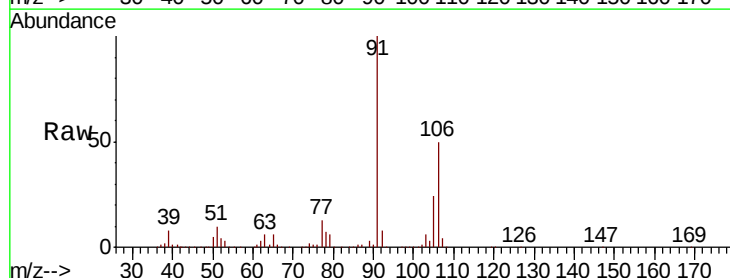
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

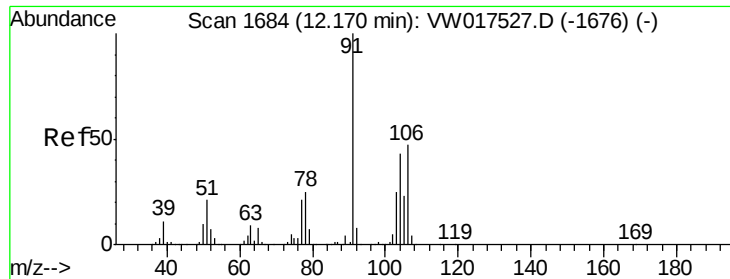
Tot Ion: 91 Resp: 650996
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.1



#54
m,p-Xylene
Concen: 23.612 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion: 106 Resp: 245282
Ion Ratio Lower Upper
106 100
91 201.1 136.4 253.4

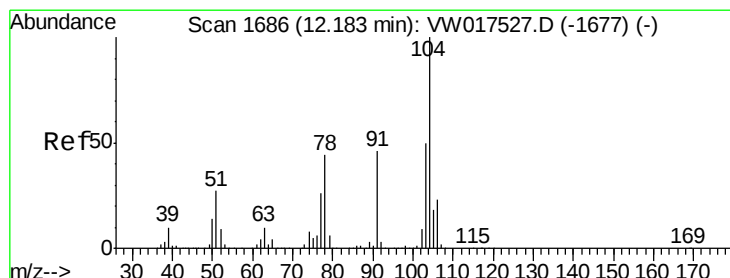
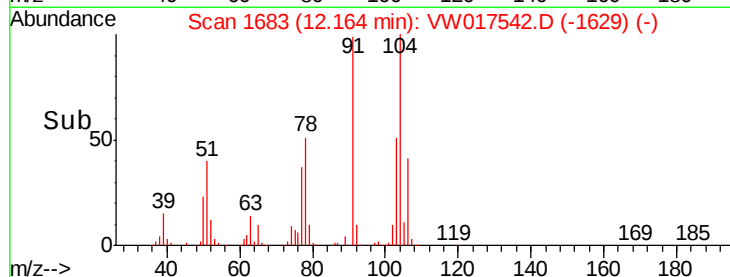
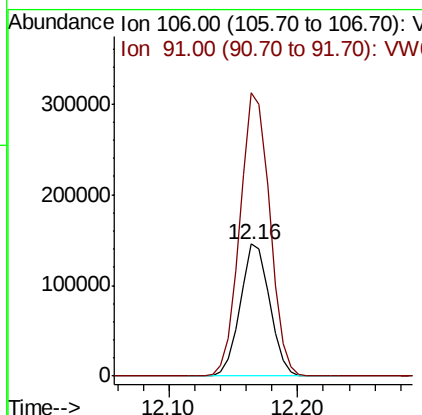
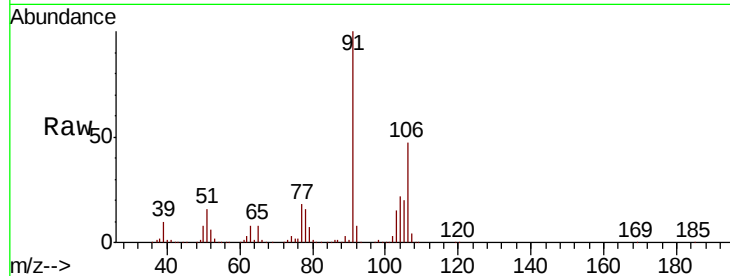




#55
o-xylene
Concen: 23.829 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

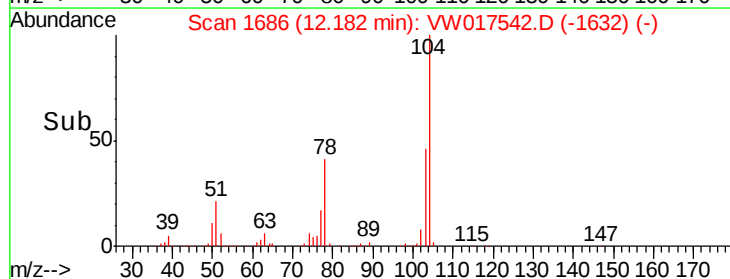
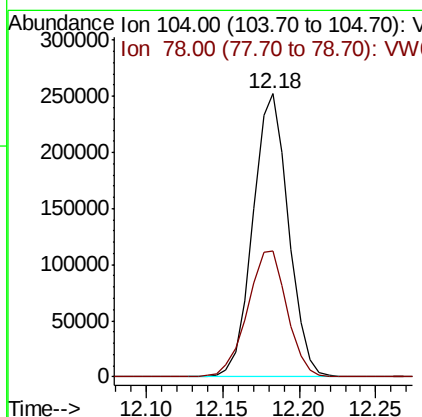
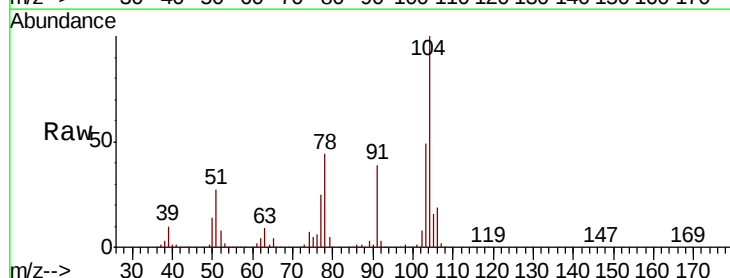
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

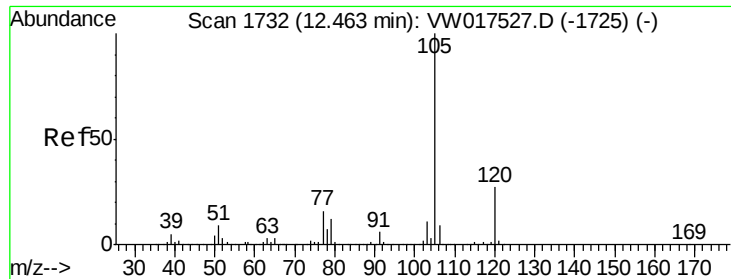
Tot Ion:106 Resp: 230460
Ion Ratio Lower Upper
106 100
91 214.2 147.6 274.2



#56
Styrene
Concen: 25.083 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion:104 Resp: 408542
Ion Ratio Lower Upper
104 100
78 44.4 31.3 58.1





#57

Isopropylbenzene

Concen: 24.213 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

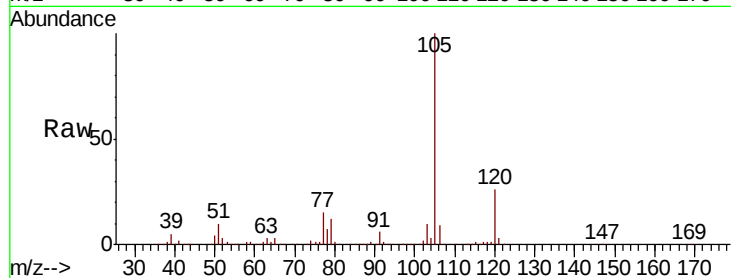
Tot Ion: 105 Resp: 643503

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

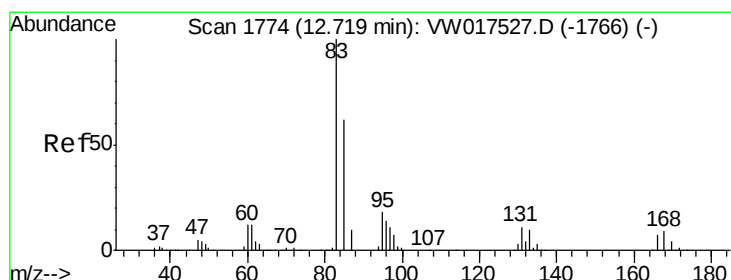
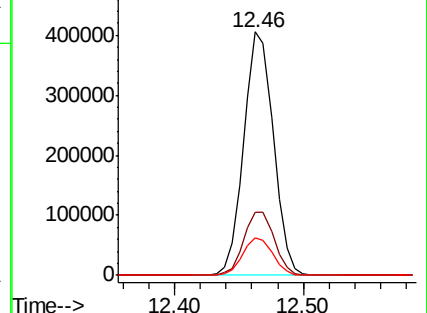
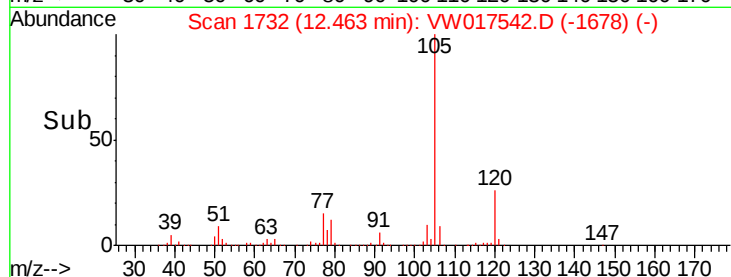
77 15.7 12.1 18.1



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: 25.959 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

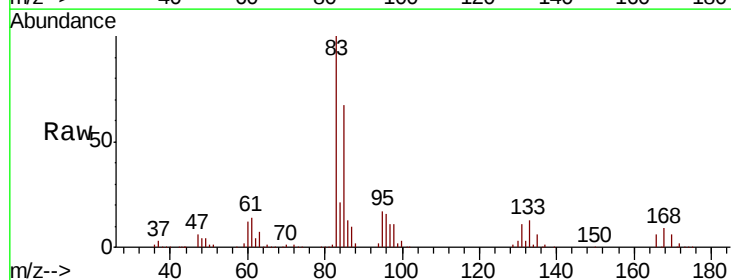
Tgt Ion: 83 Resp: 111830

Ion Ratio Lower Upper

83 100

85 66.6 45.3 84.1

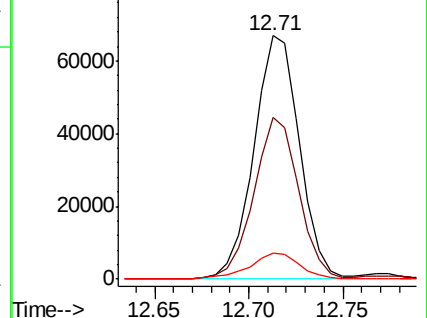
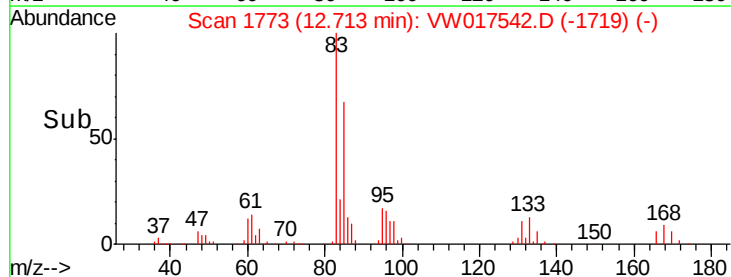
131 10.8 8.3 12.5

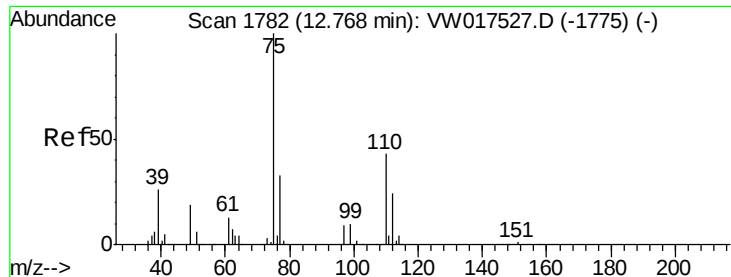


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.202 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

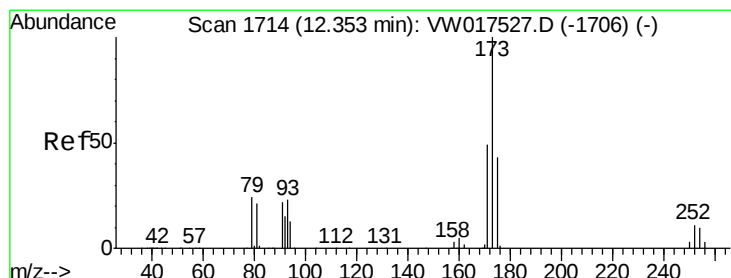
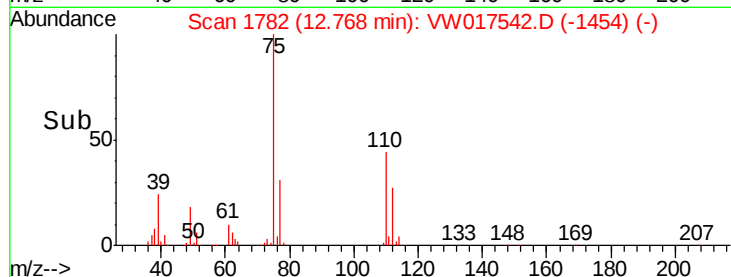
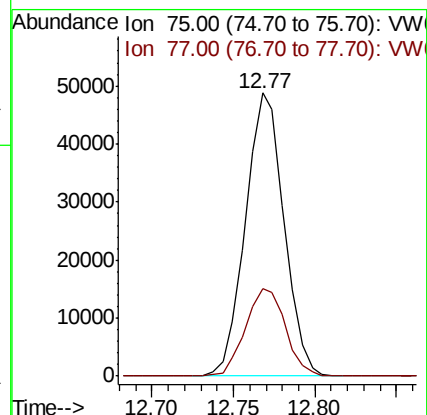
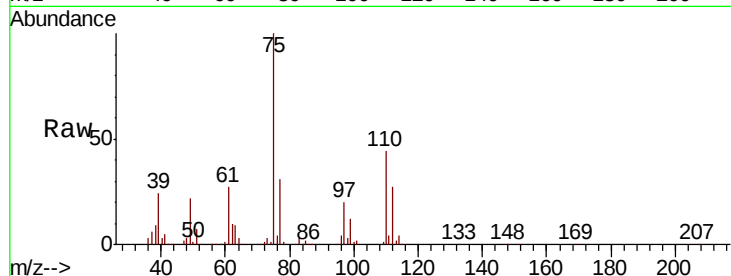
VSTD02527

Tot Ion: 75 Resp: 80152

Ion Ratio Lower Upper

75 100

77 32.0 26.6 39.8



#62

Bromoform

Concen: 23.719 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

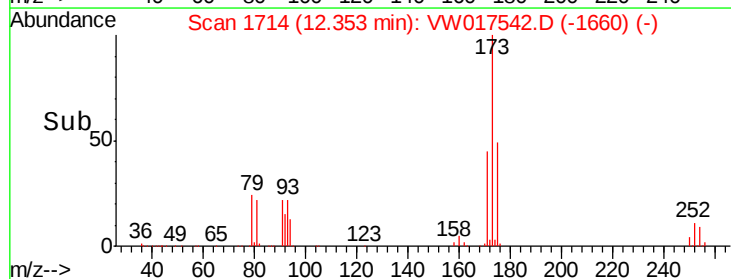
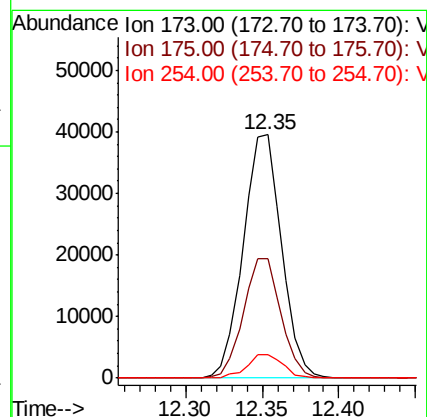
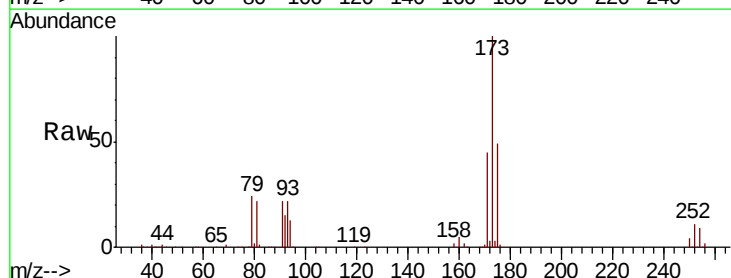
Tgt Ion: 173 Resp: 68768

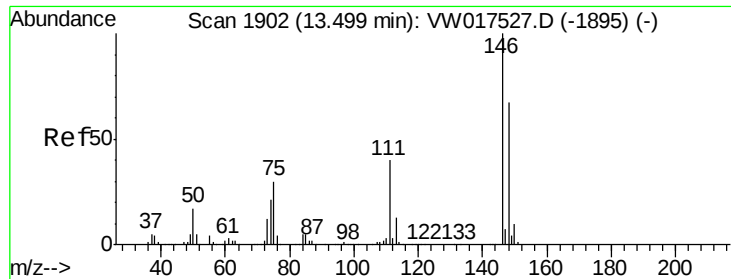
Ion Ratio Lower Upper

173 100

175 48.0 39.1 58.7

254 9.3 7.1 10.7

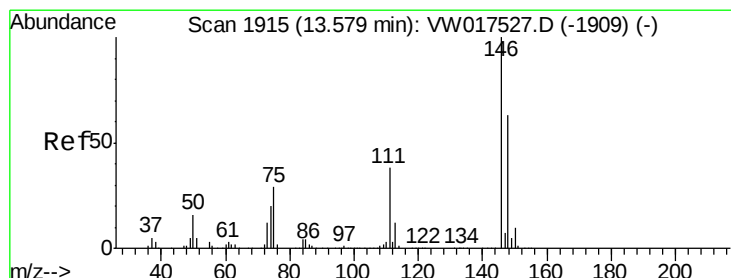
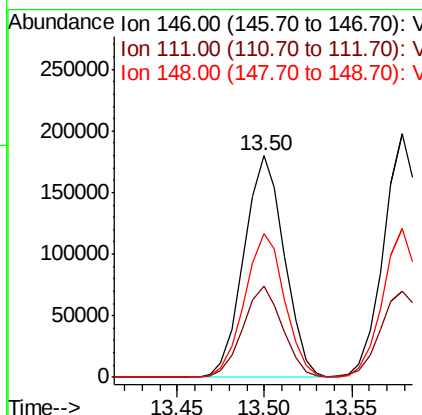
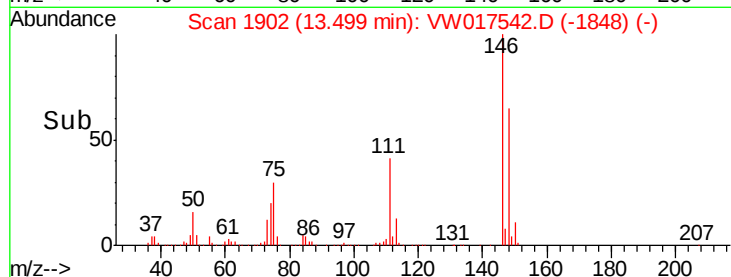
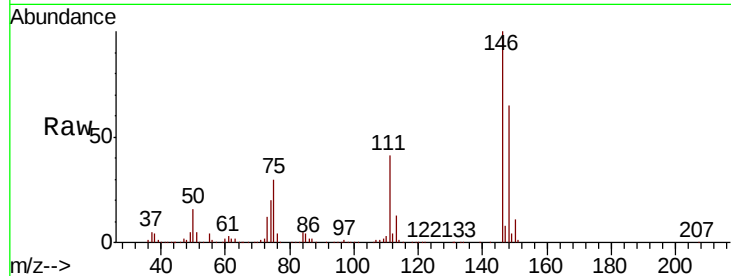




#63
 1,3-Dichlorobenzene
 Concen: 22.393 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

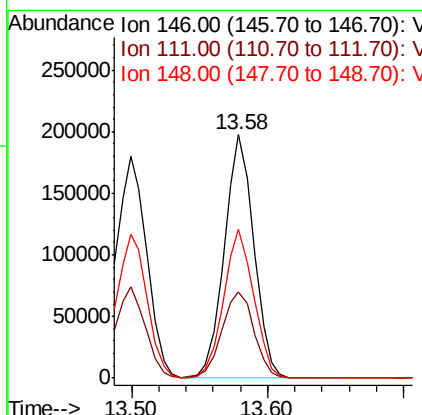
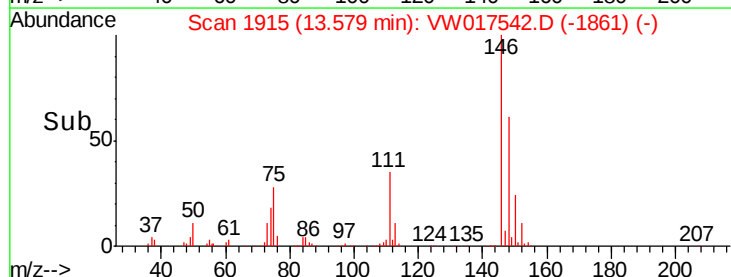
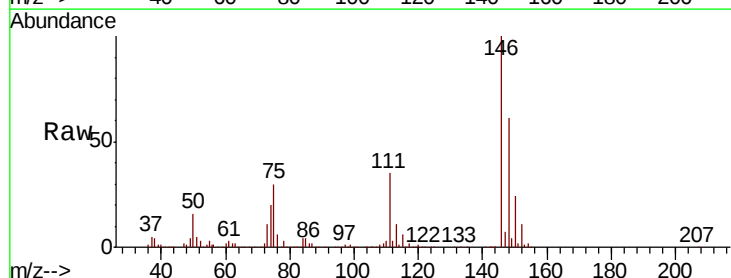
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

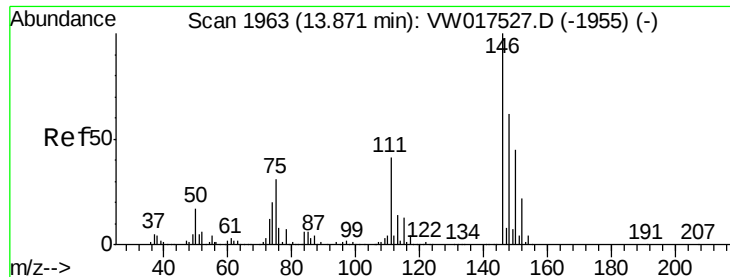
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	28.5	52.9
148	64.9	47.8	88.8



#64
 1,4-Dichlorobenzene
 Concen: 23.067 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	27.7	51.5
148	61.3	47.0	87.2

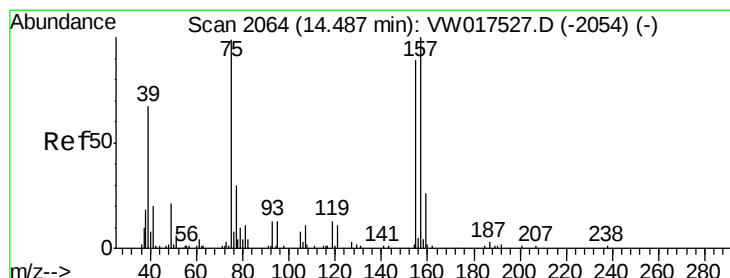
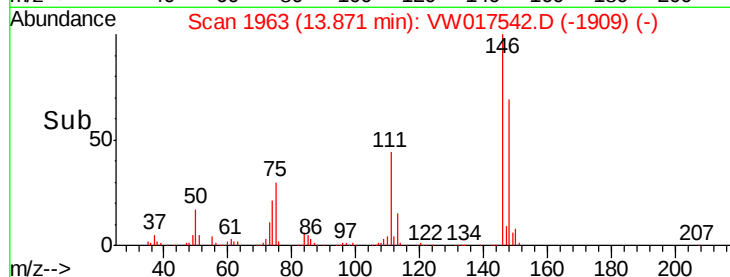
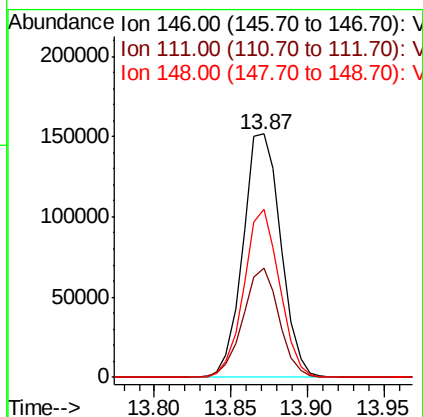
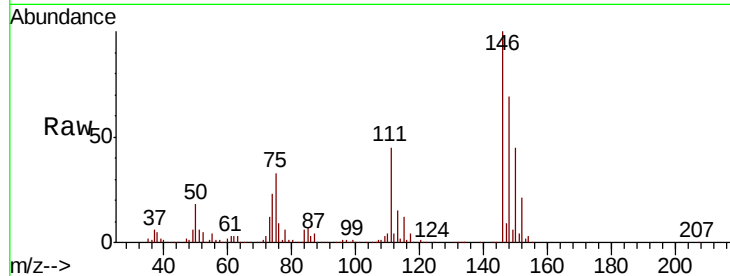




#65
 1,2-Dichlorobenzene
 Concen: 23.227 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

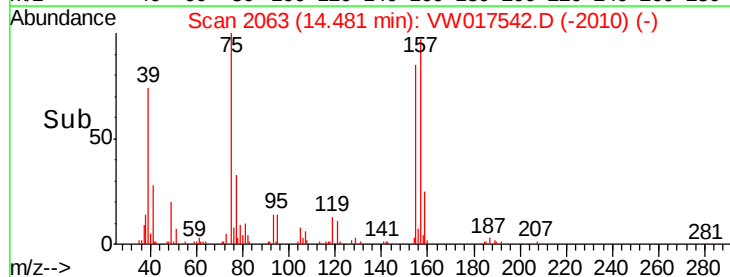
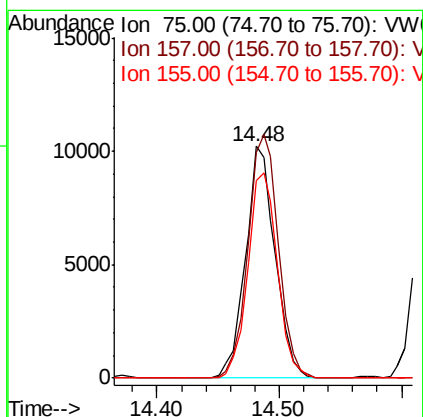
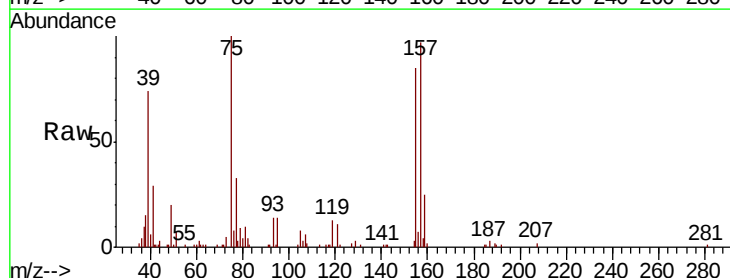
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02527

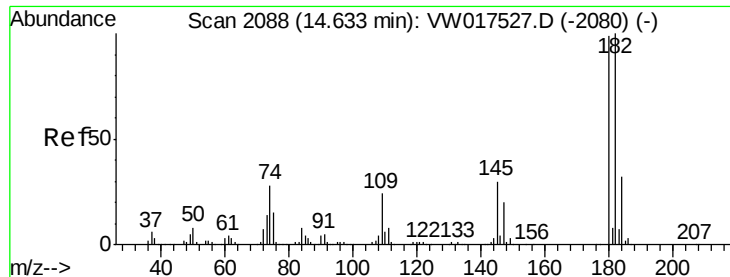
Tot Ion:146 Resp: 260527
 Ion Ratio Lower Upper
 146 100
 111 44.9 31.7 47.5
 148 69.2 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.119 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion: 75 Resp: 17175
 Ion Ratio Lower Upper
 75 100
 157 97.1 99.9 149.9#
 155 85.5 71.4 107.0

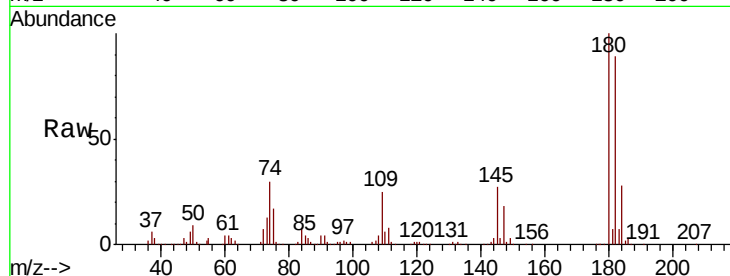




#67
 1,3,5-Trichlorobenzene
 Concen: 22.247 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion:	180	Resp:	205078
Ion	Ratio	Lower	Upper
180	100		
182	93.1	77.0	115.6
184	29.3	24.2	36.4
145	29.8	23.5	35.3



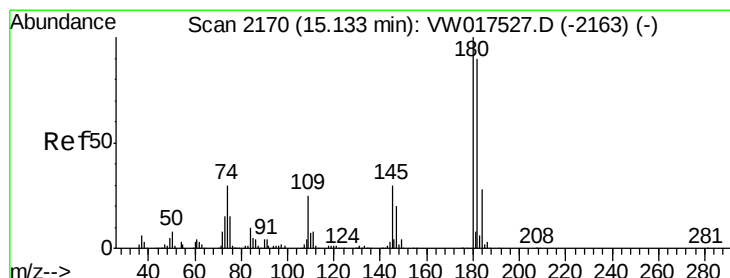
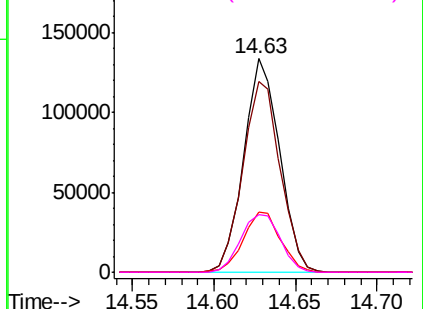
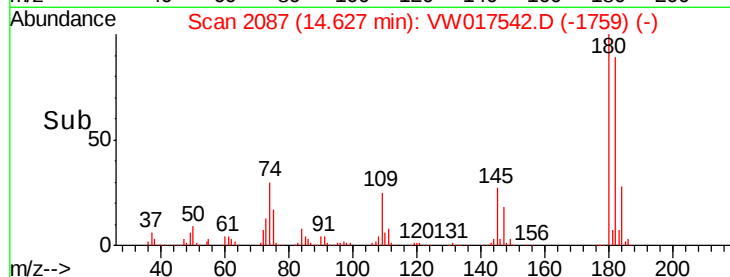
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

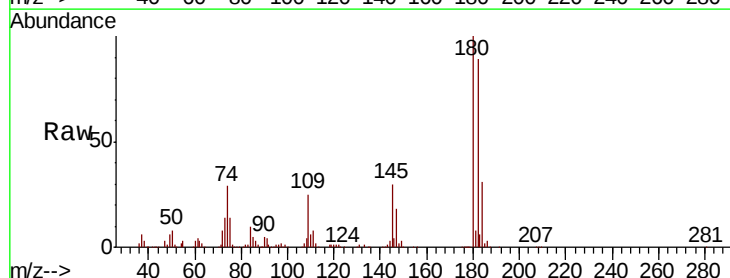
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.368 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion:	180	Resp:	175204
Ion	Ratio	Lower	Upper
180	100		
182	90.5	71.3	106.9
145	29.2	24.0	36.0

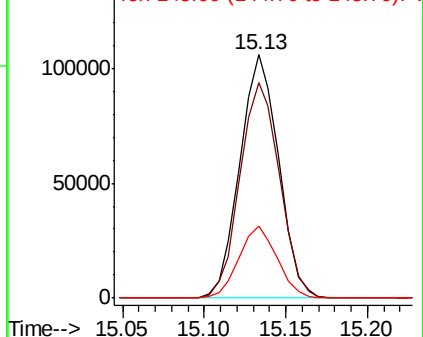
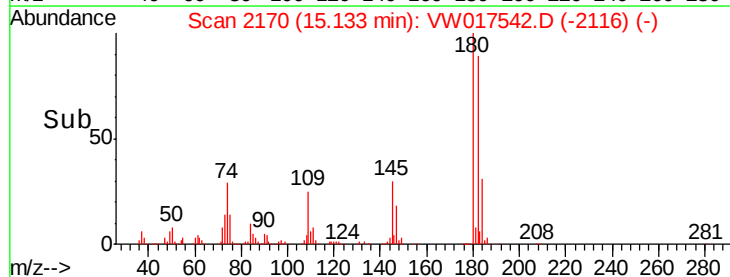


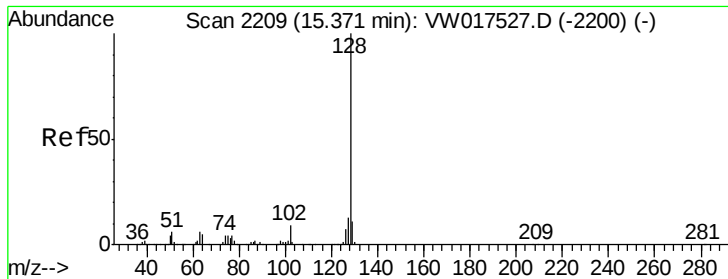
Abundance

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: 24.582 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

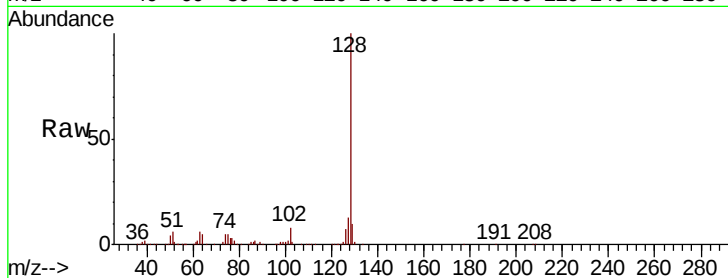
Tot Ion:128 Resp: 289032

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

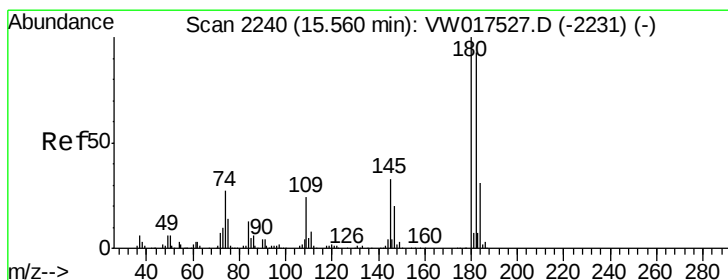
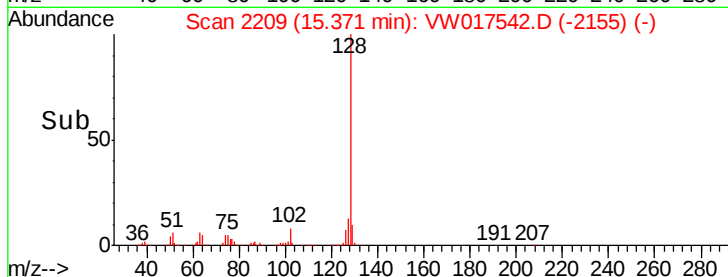
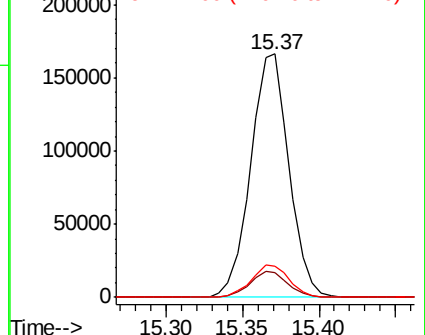
127 13.3 10.7 16.1



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: 24.125 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

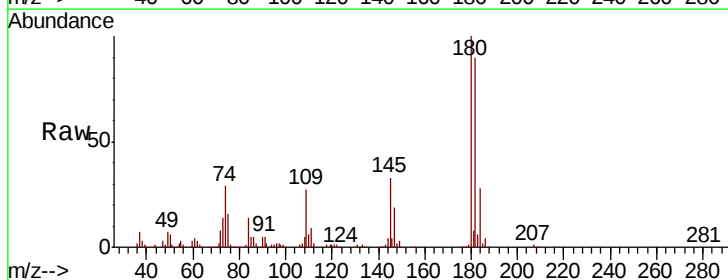
Tgt Ion:180 Resp: 151407

Ion Ratio Lower Upper

180 100

182 91.2 74.7 112.1

145 32.1 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

