

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112520\
 Data File : VW017507.D
 Acq On : 25 Nov 2020 17:01
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 26 07:25:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 07:23:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	383783	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	348887	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	190655	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	128325	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.68%
7) Chloroethane-d5	2.89	69	98570	23.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.56%
10) 1,1-Dichloroethene-d2	4.03	63	272807	24.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.08%
20) 2-Butanone-d5	7.08	46	69310	65.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.20%
24) Chloroform-d	7.65	84	273327	25.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.28%
26) 1,2-Dichloroethane-d4	8.31	65	142882	26.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.84%
29) Benzene-d6	8.27	84	535373	24.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.80%
33) 1,2-Dichloropropane-d6	9.27	67	151958	25.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.40%
37) Toluene-d8	10.32	98	489466	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.20%
38) trans-1,3-Dichloropropene-	10.58	79	70748	26.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.68%
39) 2-Hexanone-d5	10.93	63	49774	67.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.48%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129379	30.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.16%#
61) 1,2-Dichlorobenzene-d4	13.85	152	177679	25.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	78257	21.459	ug/L	97
3) Chloromethane	2.21	50	84818	22.591	ug/L	99
5) Vinyl chloride	2.37	62	118431	25.435	ug/L	97
6) Bromomethane	2.78	94	79025	23.569	ug/L	98
8) Chloroethane	2.93	64	72316	23.116	ug/L	99
9) Trichlorofluoromethane	3.27	101	113563	21.299	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	133242	24.415	ug/L #	53
12) 1,1-Dichloroethene	4.05	96	125477	23.579	ug/L	92
13) Acetone	4.13	43	52005	50.763	ug/L	99
14) Carbon disulfide	4.39	76	356573	23.427	ug/L	99
15) Methyl Acetate	4.67	43	52450	29.412	ug/L	96
16) Methylene chloride	4.93	84	143306	24.870	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	147255	25.727	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	130622	23.879	ug/L	94
19) 1,1-Dichloroethane	6.22	63	223336	24.181	ug/L	99
21) 2-Butanone	7.18	43	73891	60.271	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	137295	24.055	ug/L	96

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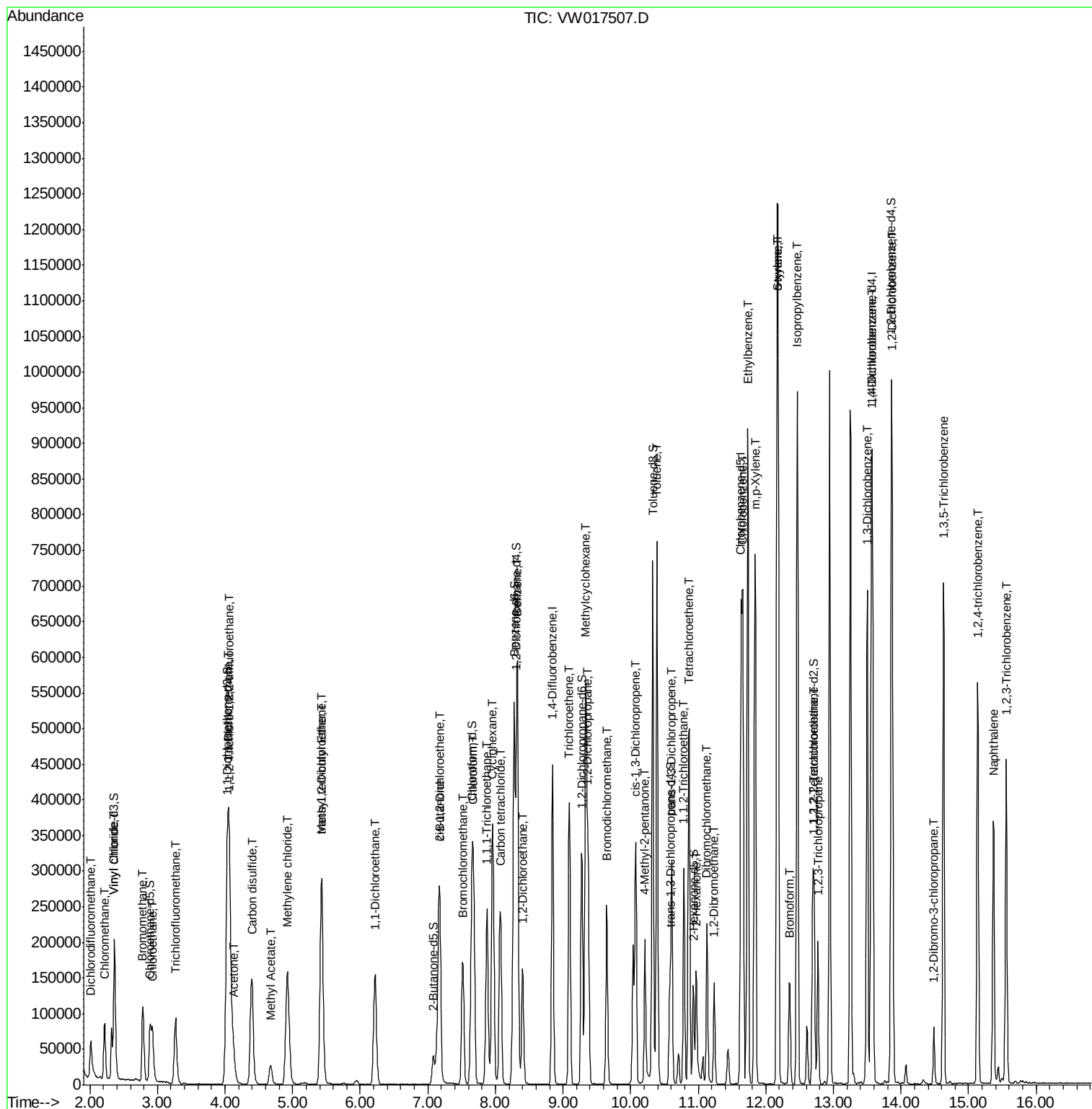
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	63129	24.350	ug/L	99
25) Chloroform	7.68	83	237243	24.331	ug/L	99
27) 1,2-Dichloroethane	8.40	62	152668	25.998	ug/L	97
30) Cyclohexane	7.96	56	205010	24.635	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	202286	24.498	ug/L	99
32) Carbon tetrachloride	8.07	117	197918	24.685	ug/L	99
34) Benzene	8.32	78	509355	24.290	ug/L	100
35) Trichloroethene	9.09	95	140416	24.154	ug/L	98
36) Methylcyclohexane	9.34	83	234791	24.424	ug/L	100
40) 1,2-Dichloropropane	9.37	63	121671	24.703	ug/L	99
41) Bromodichloromethane	9.65	83	166985	24.538	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	195569	25.635	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	135413	59.718	ug/L	100
44) Toluene	10.39	91	556056	24.642	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	175632	26.865	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96125	26.047	ug/L	97
47) Tetrachloroethene	10.87	164	114642	23.145	ug/L	99
49) 2-Hexanone	10.97	43	106275	66.364	ug/L	90
50) Dibromochloromethane	11.13	129	119127	25.842	ug/L	92
51) 1,2-Dibromoethane	11.24	107	93589	26.461	ug/L #	95
52) Chlorobenzene	11.66	112	358597	24.269	ug/L	93
53) Ethylbenzene	11.73	91	633350	24.755	ug/L	99
54) m,p-Xylene	11.84	106	242472	24.840	ug/L	98
55) o-xylene	12.16	106	229134	25.203	ug/L	100
56) Styrene	12.18	104	396184	25.904	ug/L	99
57) Isopropylbenzene	12.46	105	638624	25.573	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	112747	28.384	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	83697	28.548	ug/L	97
62) Bromoform	12.35	173	67609	25.015	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	292399	23.785	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	296211	24.322	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	259995	24.282	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	19312	28.013	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	213790	24.276	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	182808	25.677	ug/L	97
69) Naphthalene	15.36	128	320219	29.129	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	159929	26.931	ug/L	97

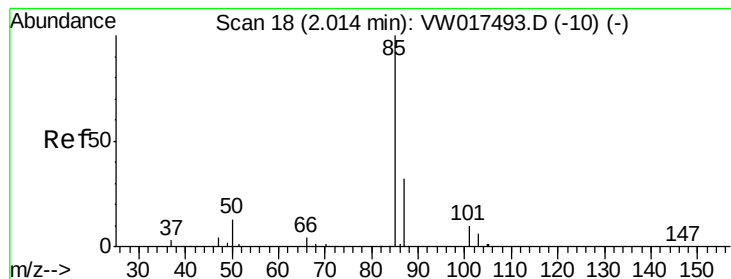
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.459 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

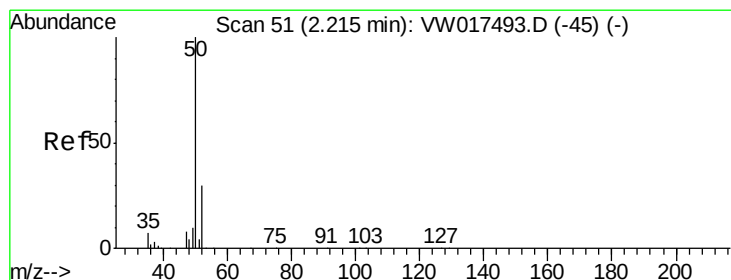
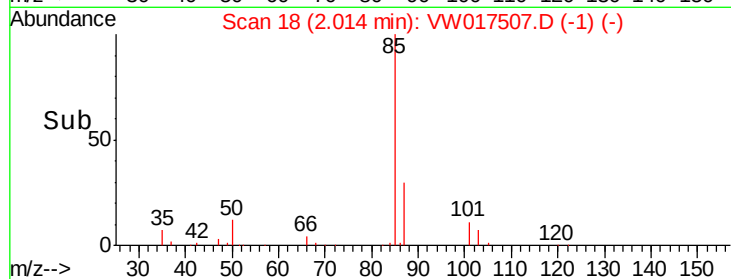
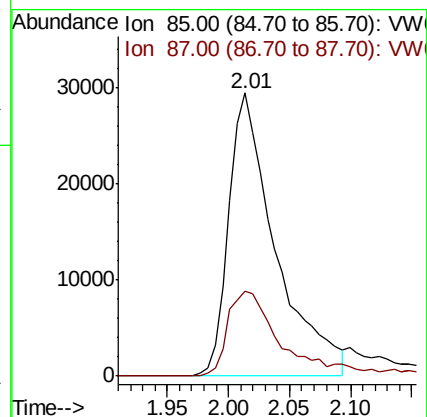
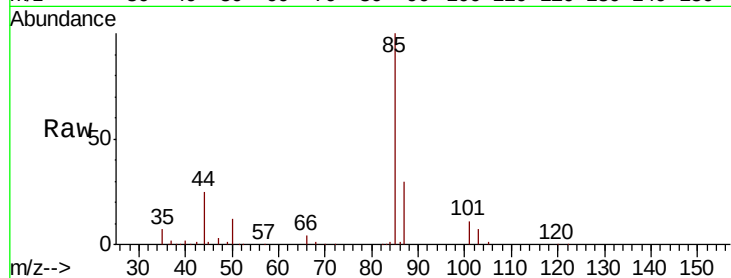
ClientSampleId :

Tot Ion: 85 Resp: 78257

Ion Ratio Lower Upper

85 100

87 31.5 23.2 43.0



#3

Chloromethane

Concen: 22.591 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017507.D

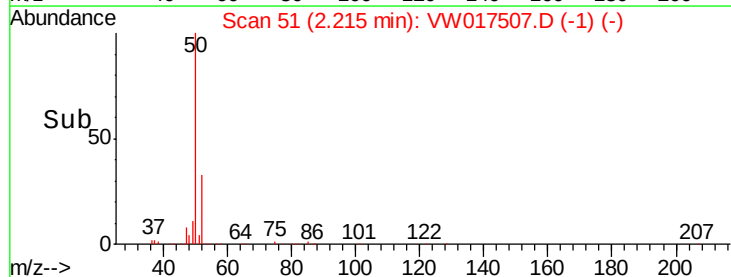
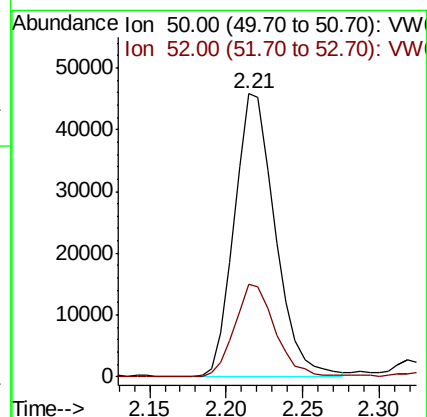
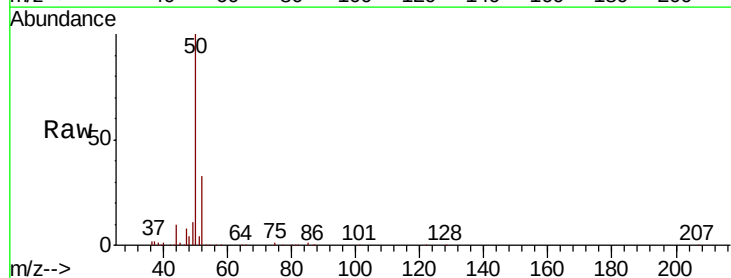
Acq: 25 Nov 2020 17:01

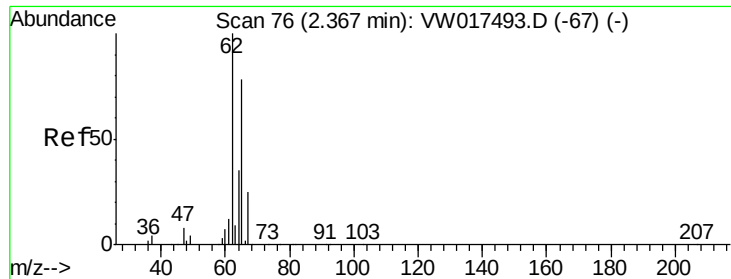
Tgt Ion: 50 Resp: 84818

Ion Ratio Lower Upper

50 100

52 32.8 23.4 43.6





#5

Vinyl chloride

Concen: 25.435 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

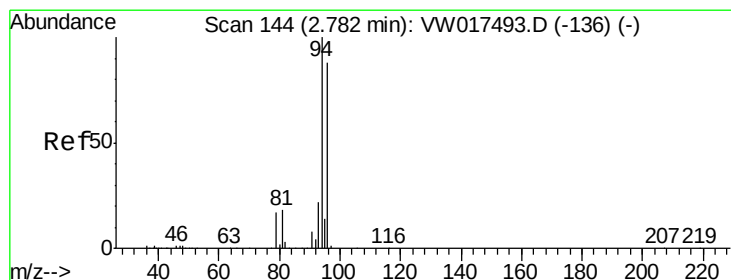
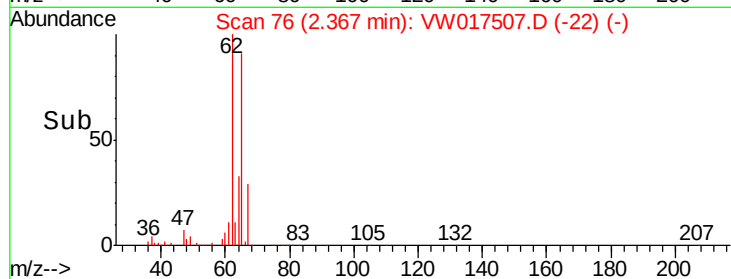
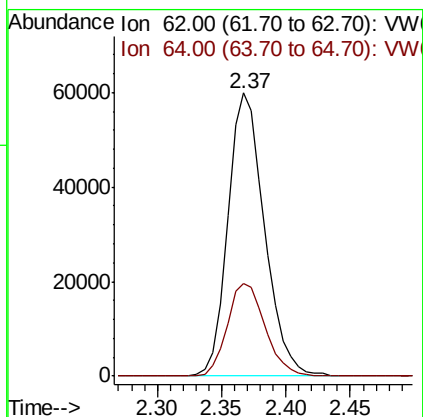
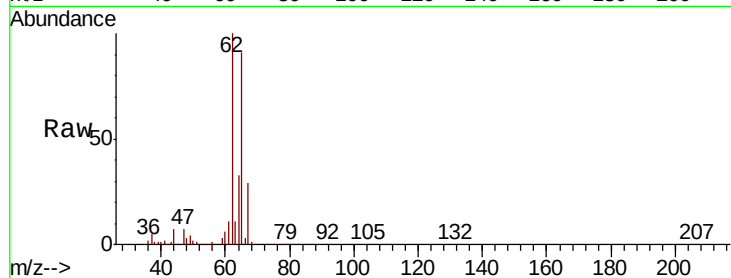
ClientSampleId :

Tot Ion: 62 Resp: 118431

Ion Ratio Lower Upper

62 100

64 32.5 23.9 44.5



#6

Bromomethane

Concen: 23.569 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017507.D

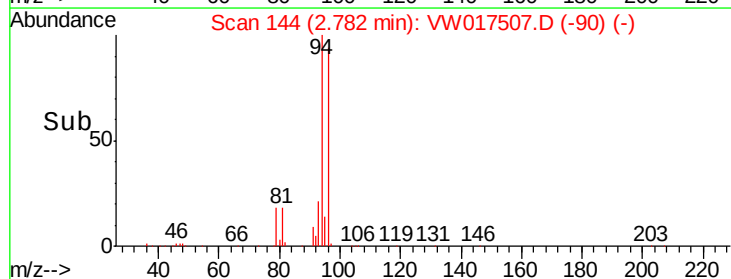
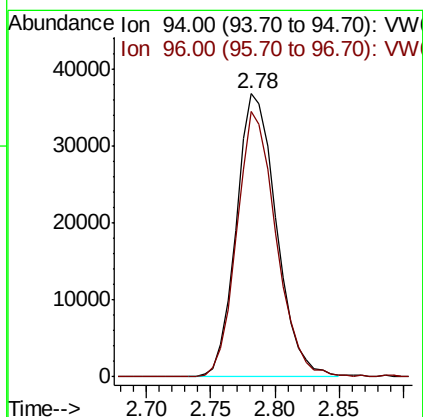
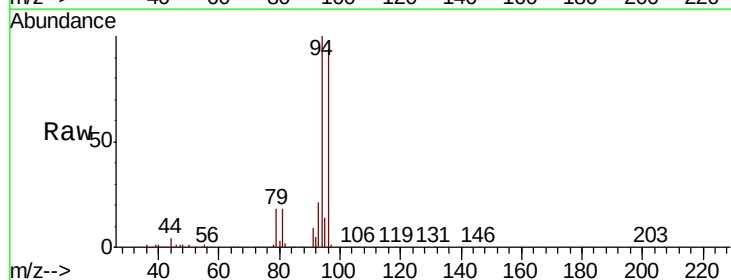
Acq: 25 Nov 2020 17:01

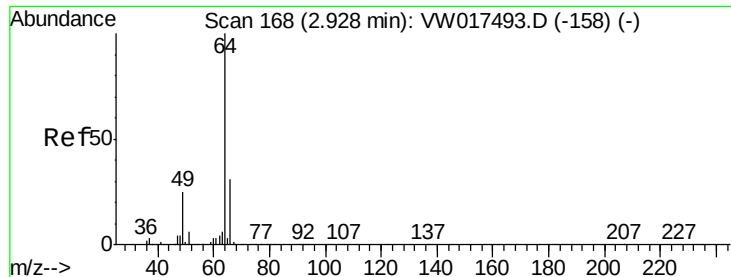
Tgt Ion: 94 Resp: 79025

Ion Ratio Lower Upper

94 100

96 92.0 9.4 178.0





#8

Chloroethane

Concen: 23.116 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

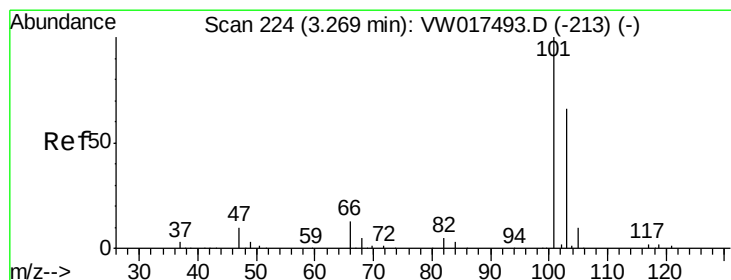
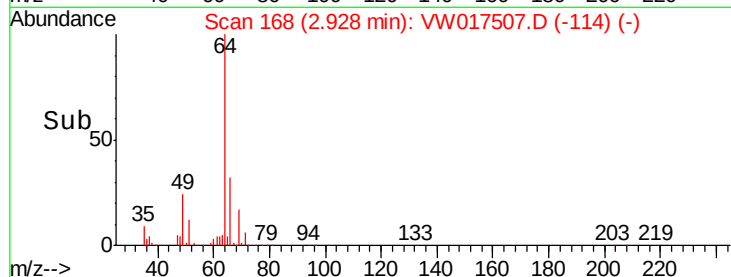
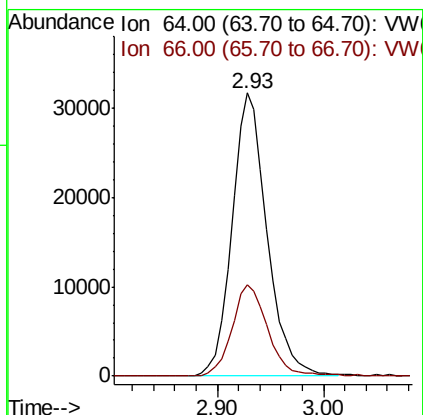
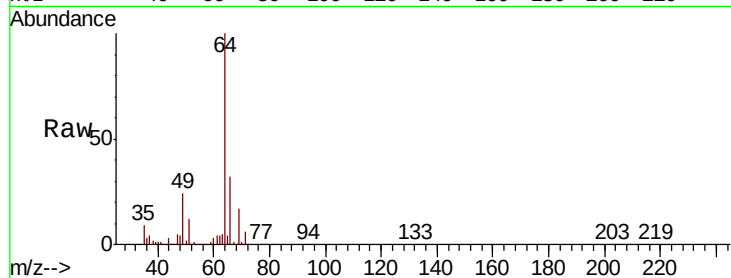
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 64 Resp: 72316

Ion Ratio Lower Upper

64 100

66 32.3 22.0 41.0



#9

Trichlorofluoromethane

Concen: 21.299 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017507.D

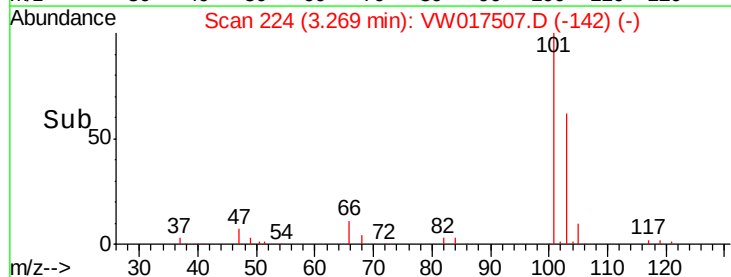
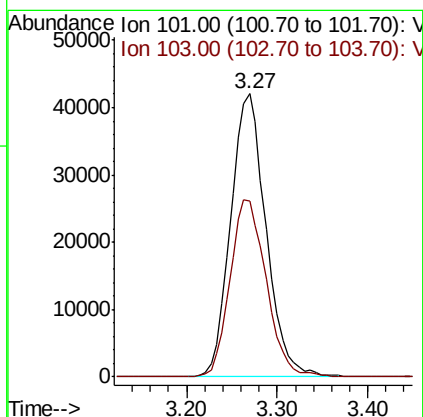
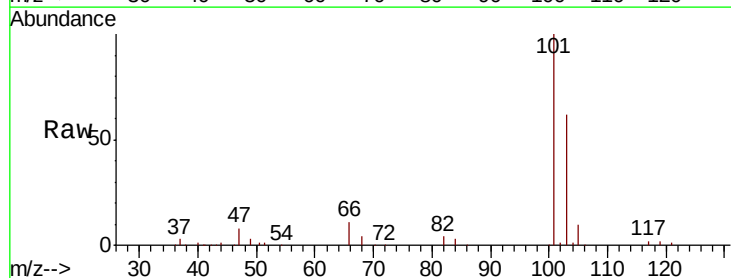
Acq: 25 Nov 2020 17:01

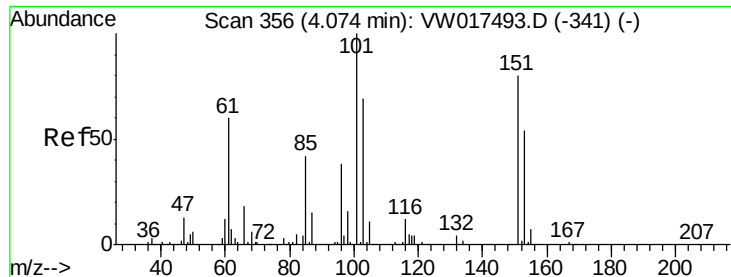
Tgt Ion: 101 Resp: 113563

Ion Ratio Lower Upper

101 100

103 64.1 45.0 83.6





#11

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

Concen: 24.415 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

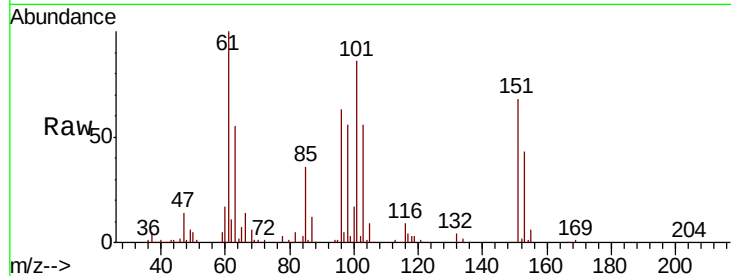
Tot Ion:101 Resp: 133242

Ion Ratio Lower Upper

101 100

85 22.6 34.2 51.4#

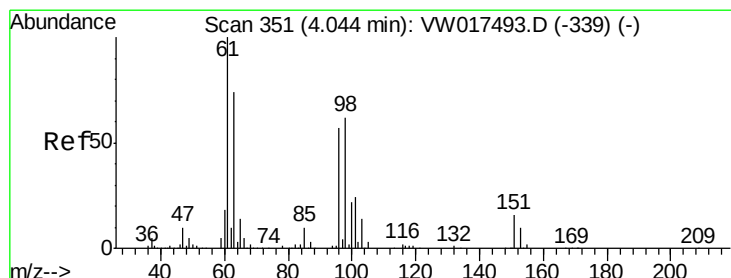
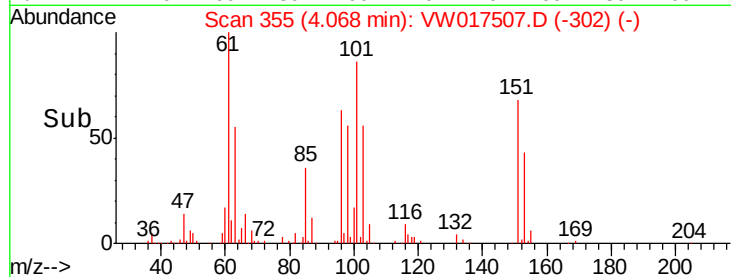
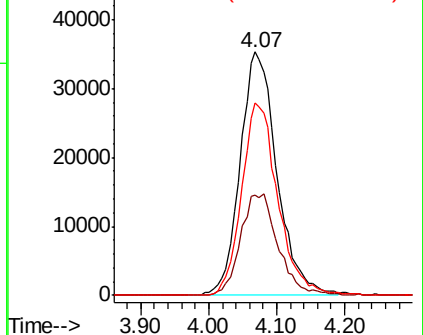
151 77.3 30.4 45.6#



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: 23.579 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

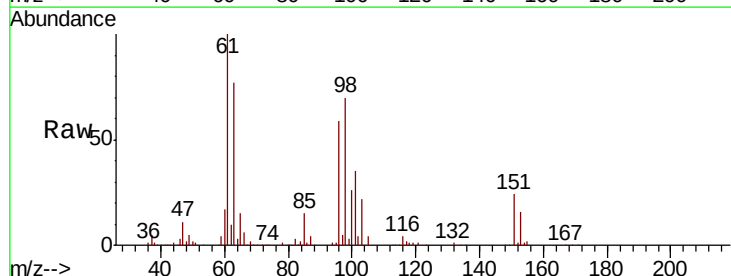
Tgt Ion: 96 Resp: 125477

Ion Ratio Lower Upper

96 100

61 168.7 112.5 208.9

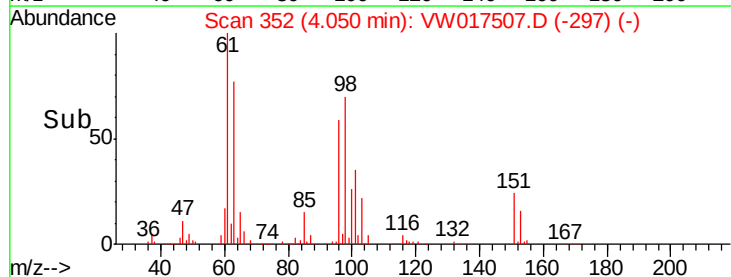
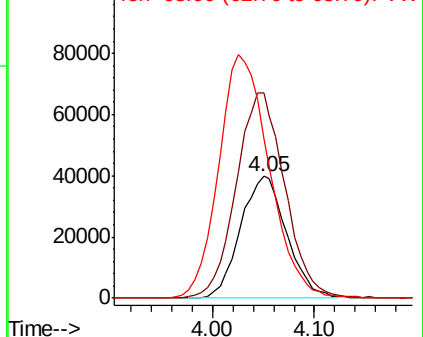
63 130.4 83.1 154.3

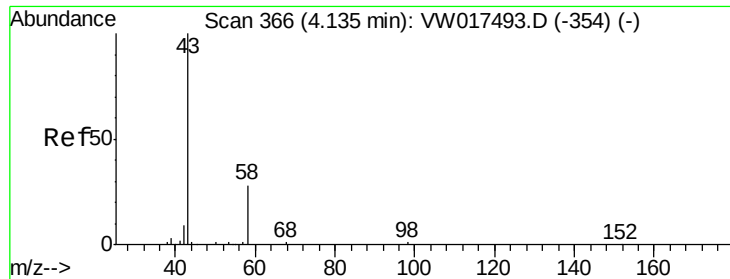


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

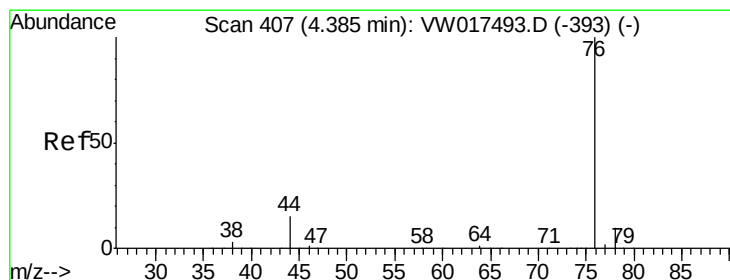
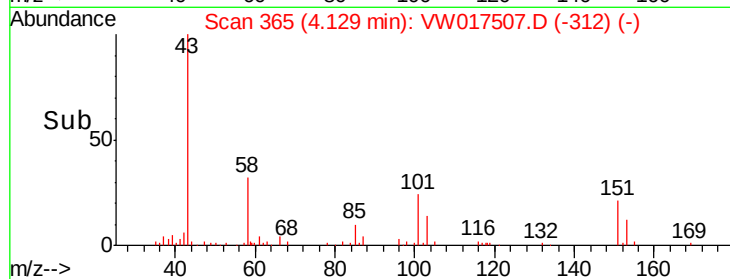
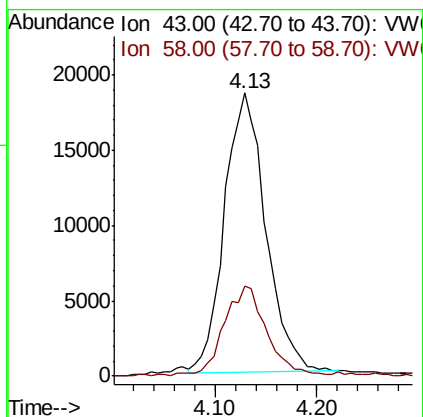
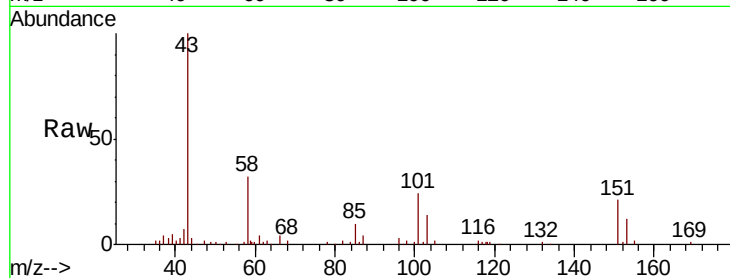




#13
Acetone
Concen: 50.763 ug/L
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

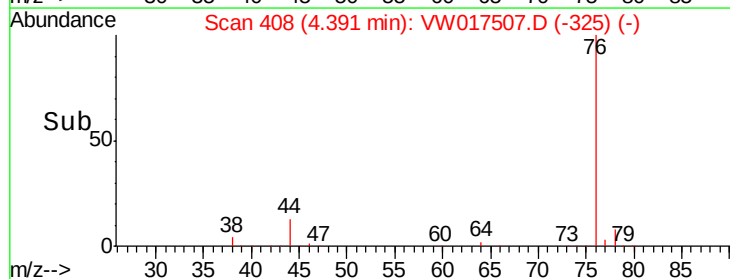
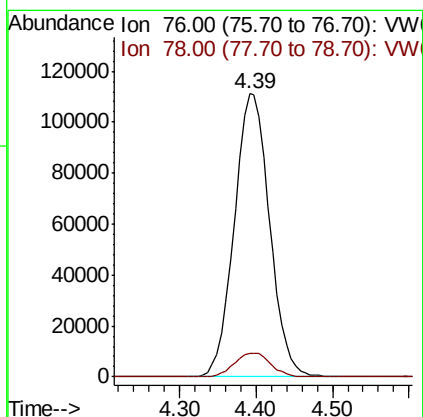
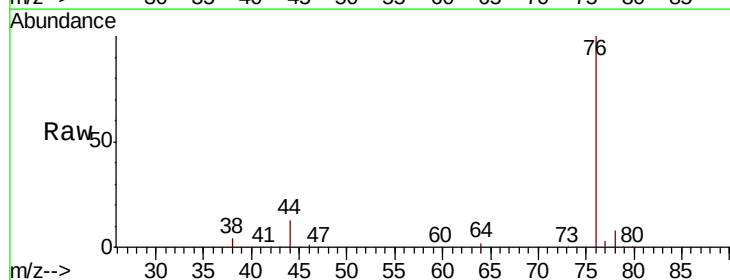
Instrument :
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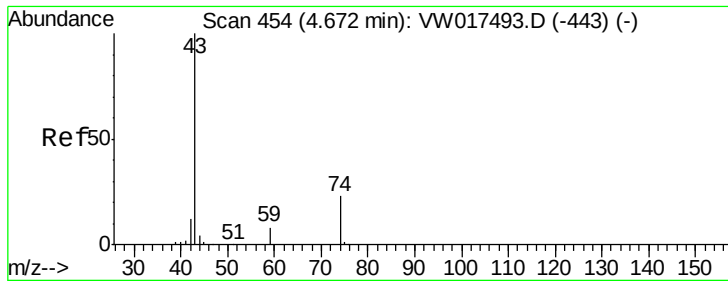
Tot Ion: 43 Resp: 52005
Ion Ratio Lower Upper
43 100
58 33.6 0.0 68.4



#14
Carbon disulfide
Concen: 23.427 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
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Tgt Ion: 76 Resp: 356573
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.4

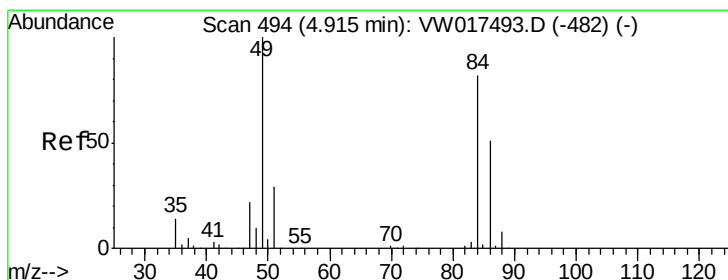
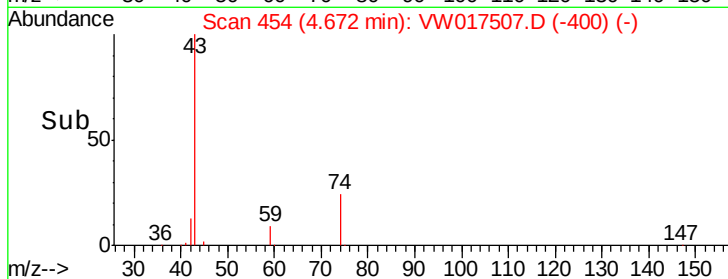
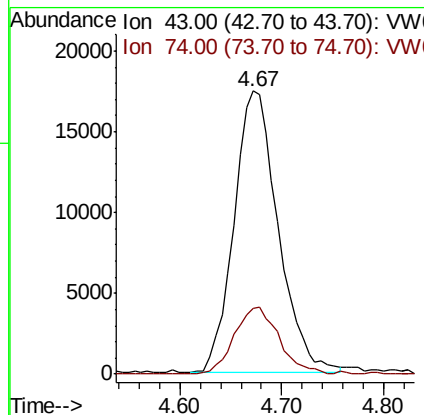
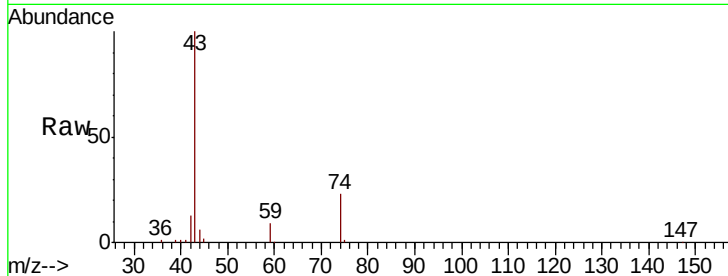




#15
Methvl Acetate
Concen: 29.412 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

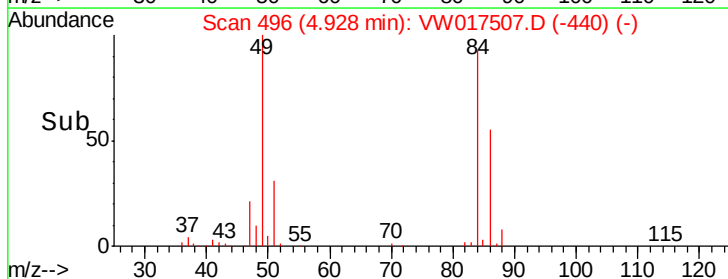
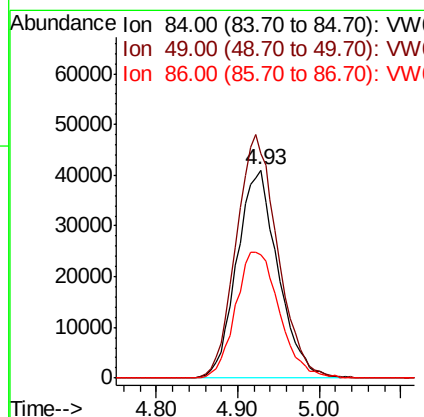
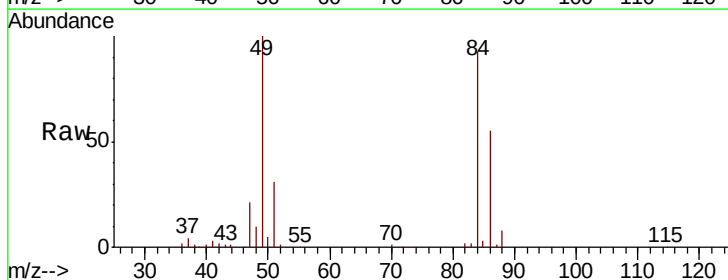
Instrument :
MSVOA_W
ClientSampleId :

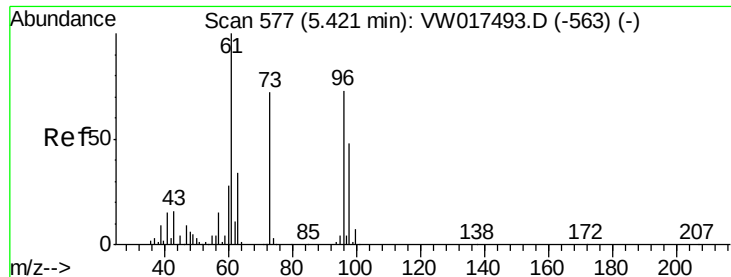
Tot Ion: 43 Resp: 52450
Ion Ratio Lower Upper
43 100
74 24.0 20.7 31.1



#16
Methylene chloride
Concen: 24.870 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Tgt Ion: 84 Resp: 143306
Ion Ratio Lower Upper
84 100
49 107.9 81.2 150.8
86 59.2 44.5 82.7

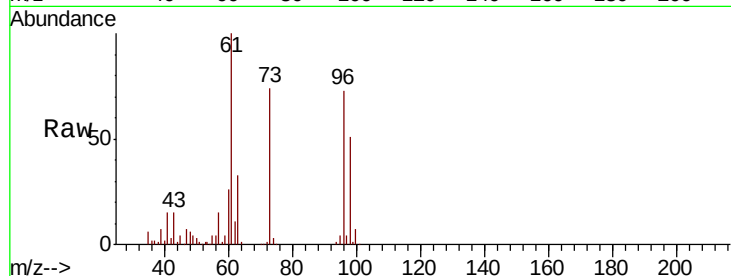




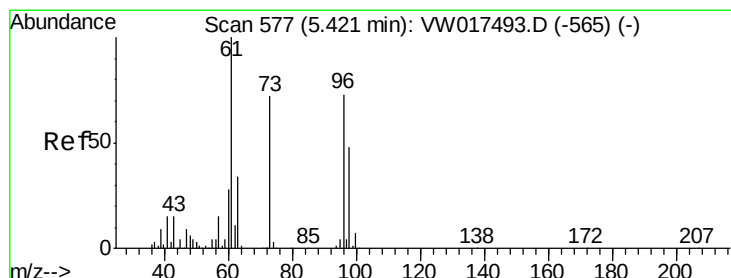
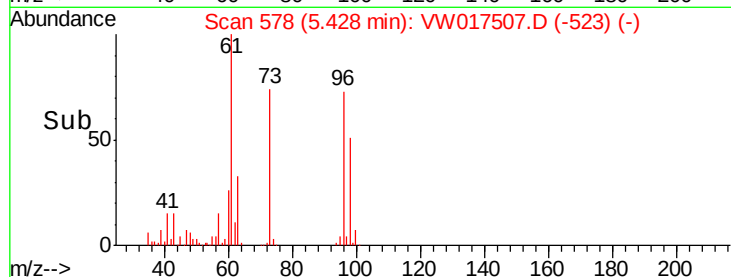
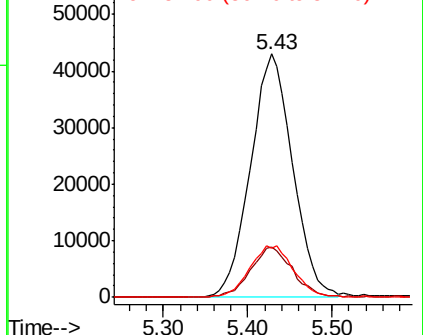
#17
Methyl tert-butyl Ether
Concen: 25.727 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.3	16.2	24.4
57	21.8	17.2	25.8

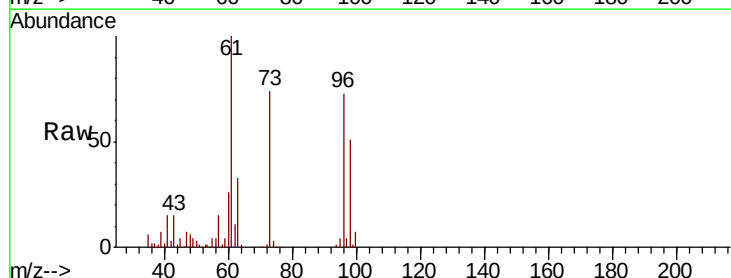


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

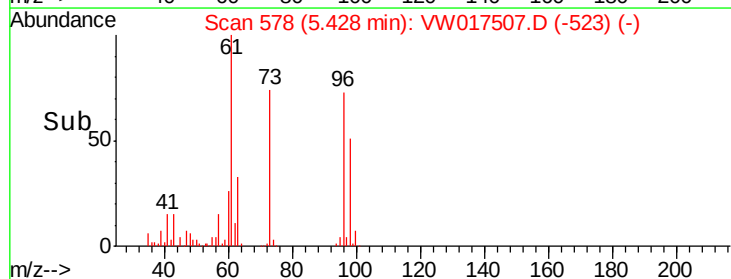
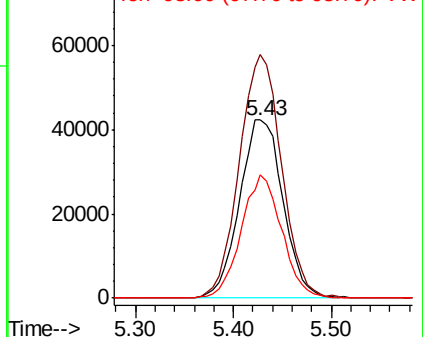


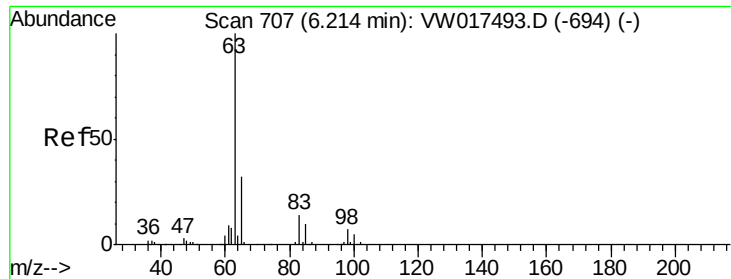
#18
trans-1,2-Dichloroethene
Concen: 23.879 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.7	92.7	172.1
98	69.5	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: 24.181 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

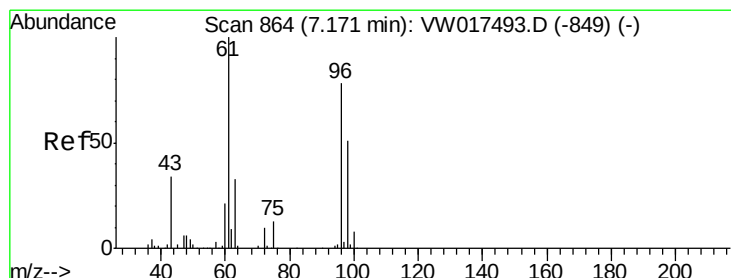
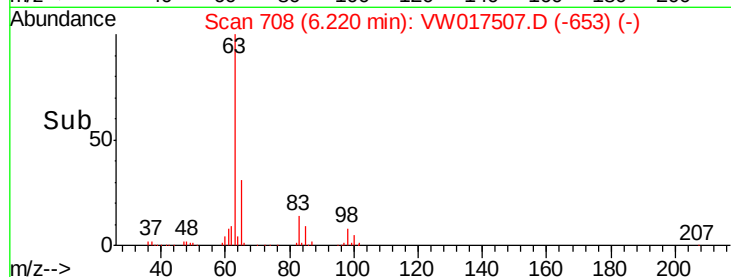
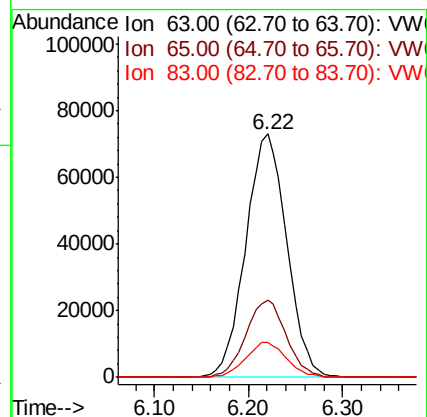
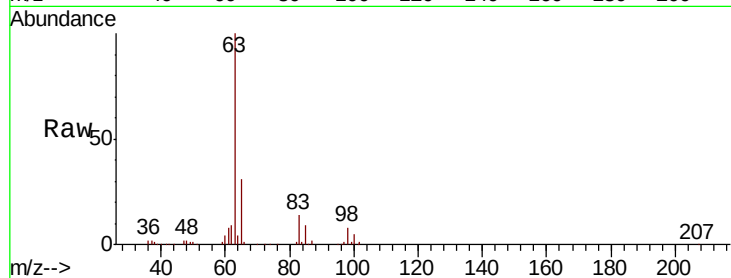
Tot Ion: 63 Resp: 223336

Ion Ratio Lower Upper

63 100

65 31.5 21.9 40.7

83 14.3 9.4 17.6



#21

2-Butanone

Concen: 60.271 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017507.D

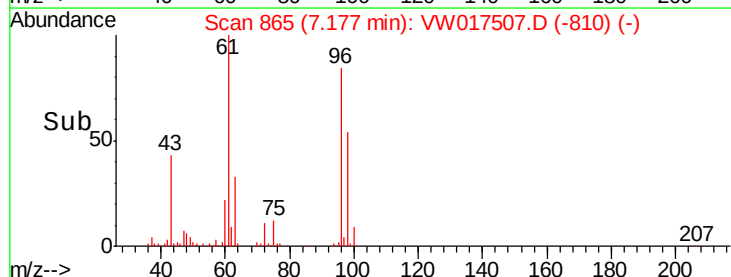
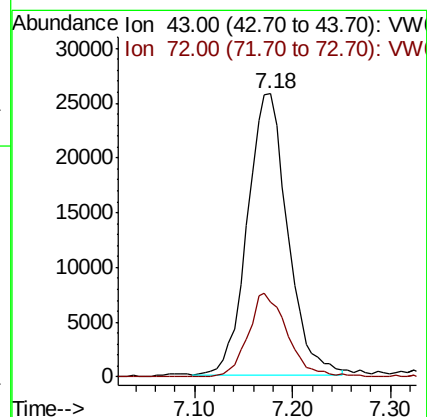
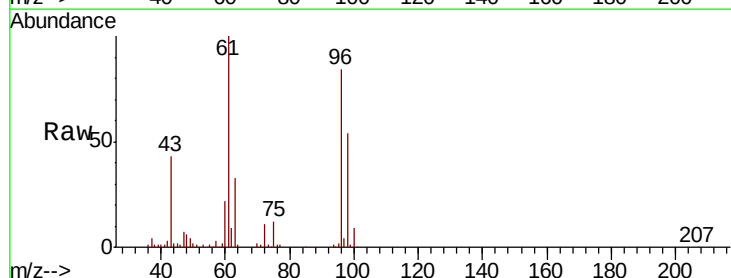
Acq: 25 Nov 2020 17:01

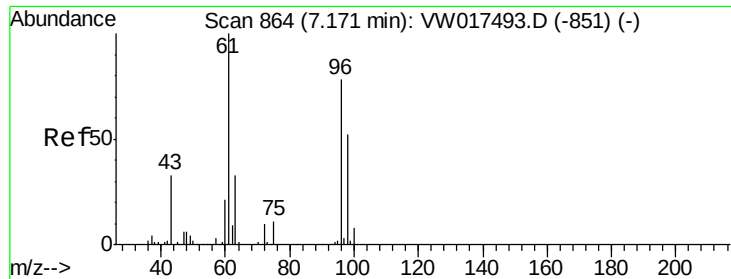
Tgt Ion: 43 Resp: 73891

Ion Ratio Lower Upper

43 100

72 28.6 14.4 43.2



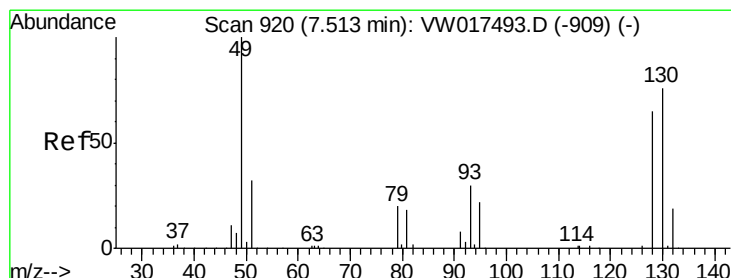
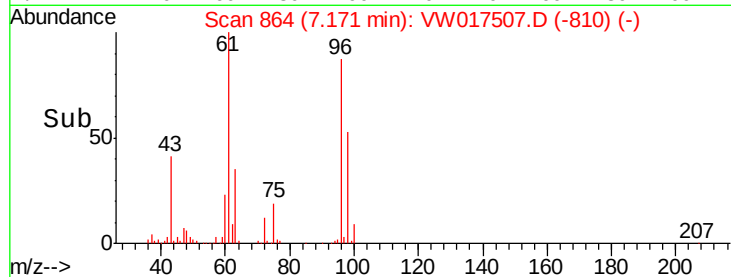
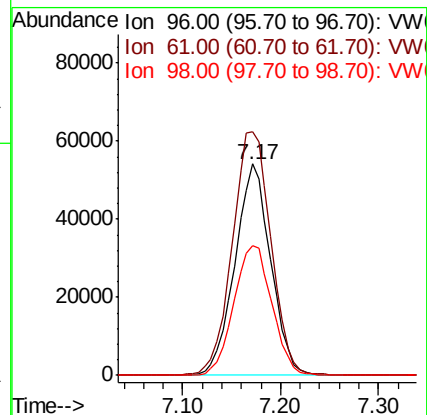
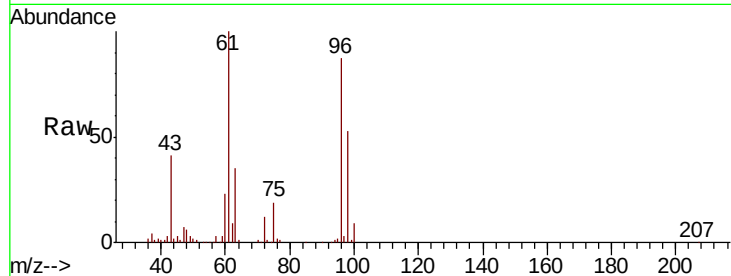


#22

cis-1,2-Dichloroethene
Concen: 24.055 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Instrument :
MSVOA_W
ClientSampled :

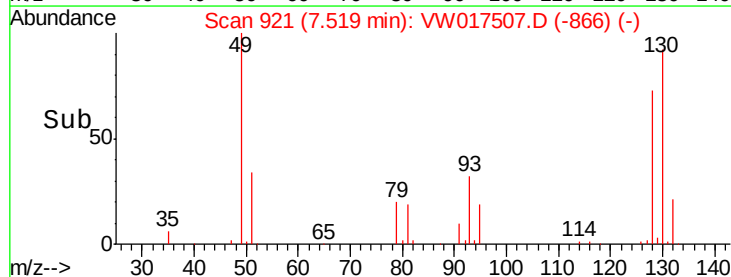
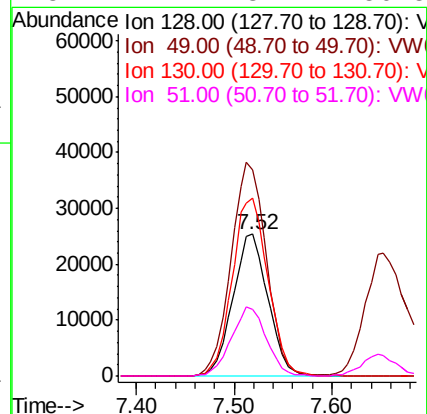
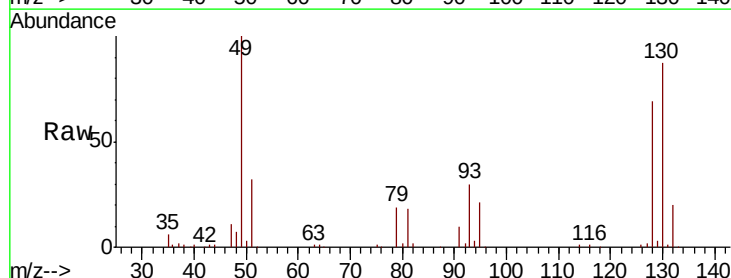
Tot Ion	96	Resp	137295
Ion Ratio	Lower	Upper	
96	100		
61	115.1	84.6	157.2
98	61.6	44.7	82.9

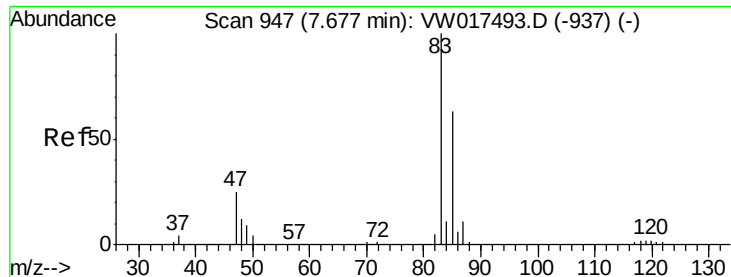


#23

Bromochloromethane
Concen: 24.350 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Tgt Ion	128	Resp	63129
Ion Ratio	Lower	Upper	
128	100		
49	145.2	101.6	188.6
130	126.0	90.4	167.8
51	47.2	37.7	56.5

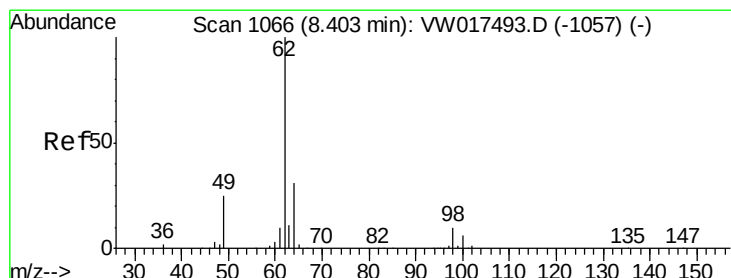
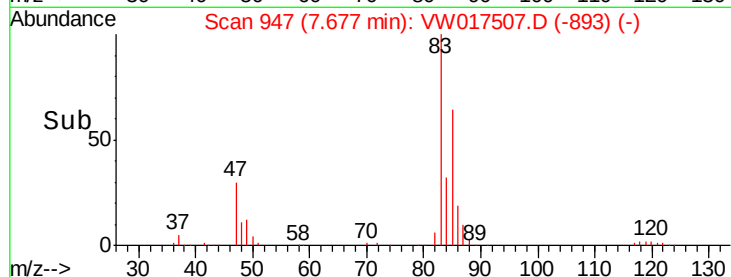
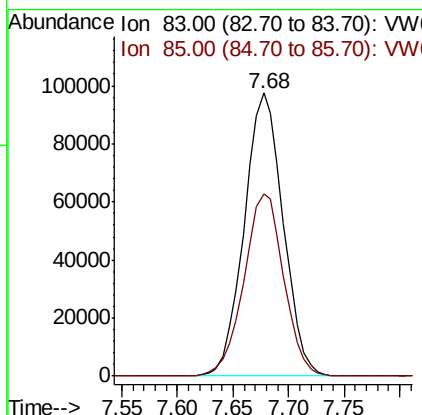
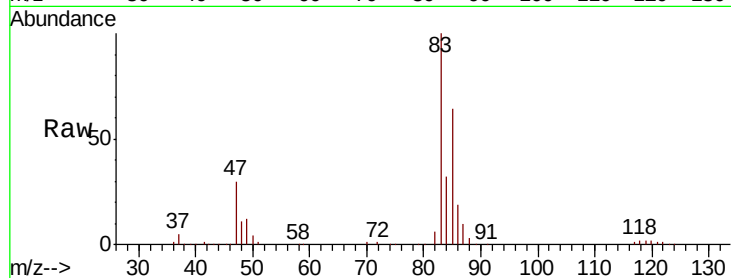




#25
Chloroform
Concen: 24.331 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

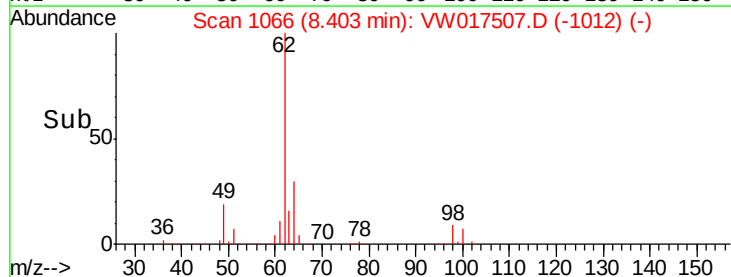
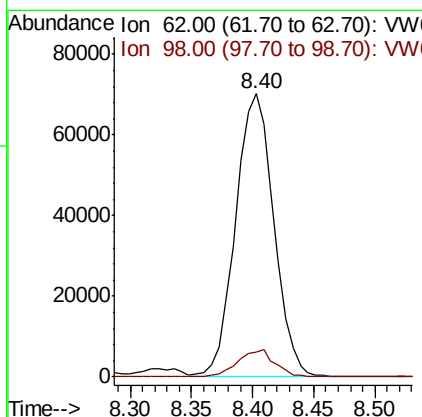
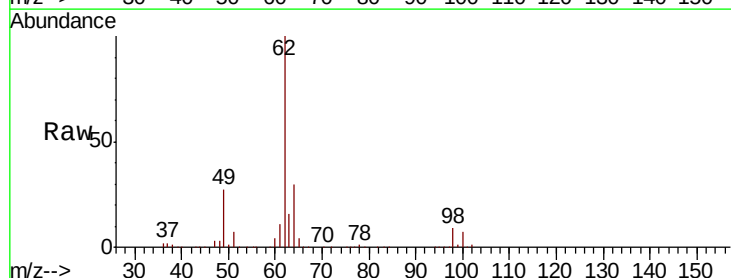
Instrument :
MSVOA_W
ClientSampled :

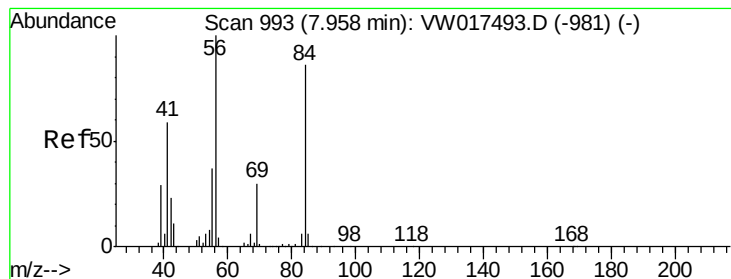
Tot Ion: 83 Resp: 237243
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.998 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Tgt Ion: 62 Resp: 152668
Ion Ratio Lower Upper
62 100
98 9.0 8.0 12.0





#30

Cyclohexane

Concen: 24.635 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

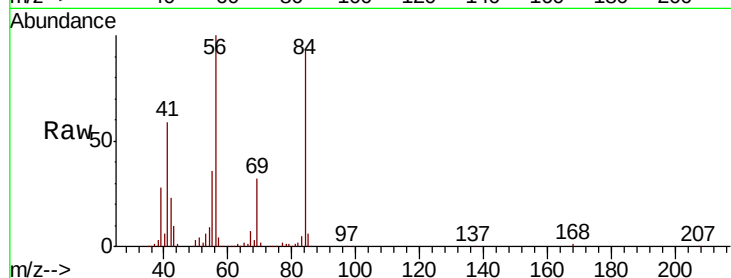
Tot Ion: 56 Resp: 205010

Ion Ratio Lower Upper

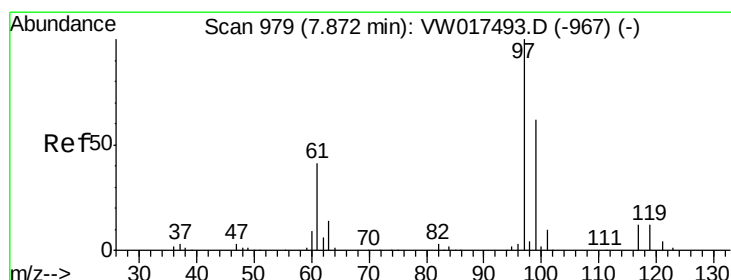
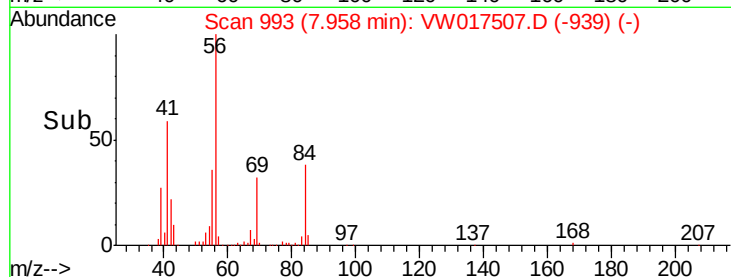
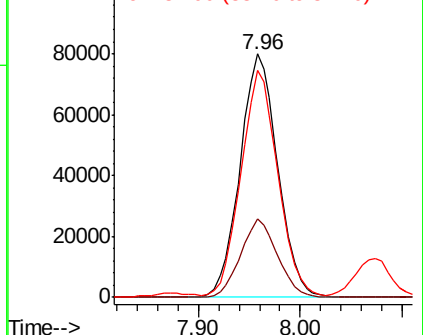
56 100

69 31.4 24.8 37.2

84 91.9 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: 24.498 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

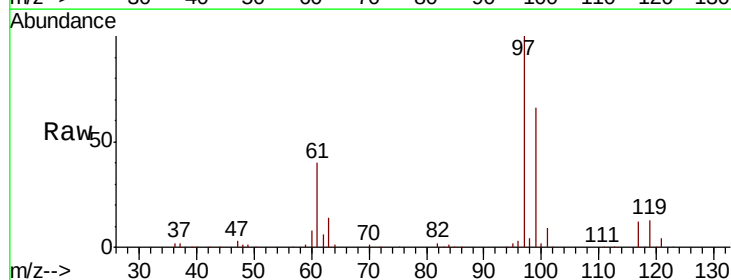
Tgt Ion: 97 Resp: 202286

Ion Ratio Lower Upper

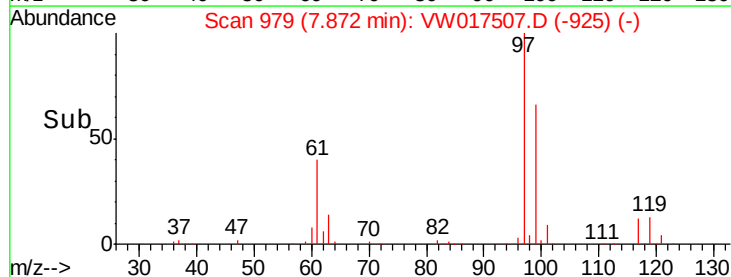
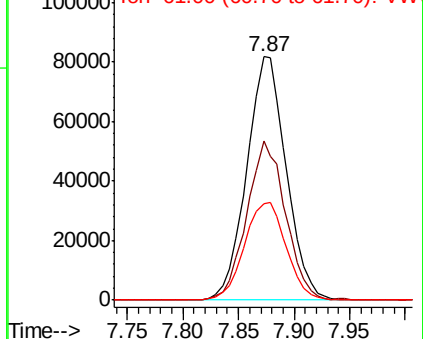
97 100

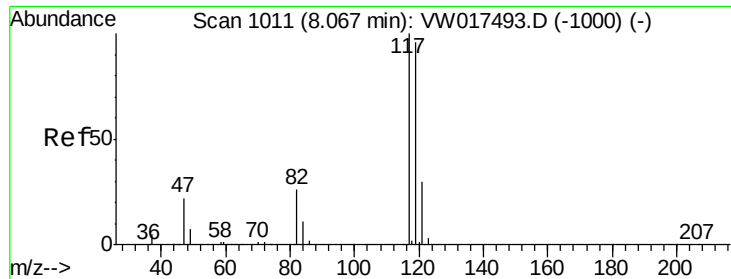
99 64.0 51.0 76.4

61 42.5 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: 24.685 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

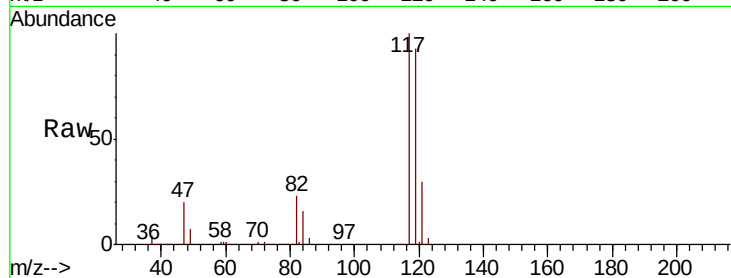
ClientSampleId :

Tot Ion:117 Resp: 197918

Ion Ratio Lower Upper

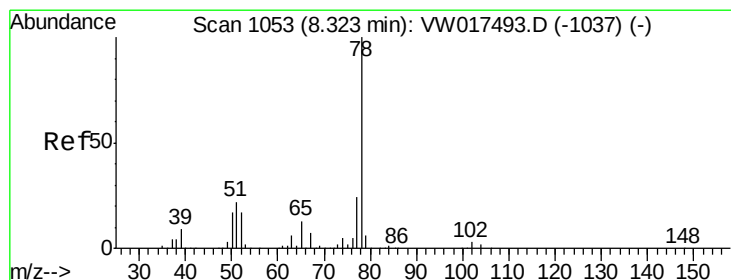
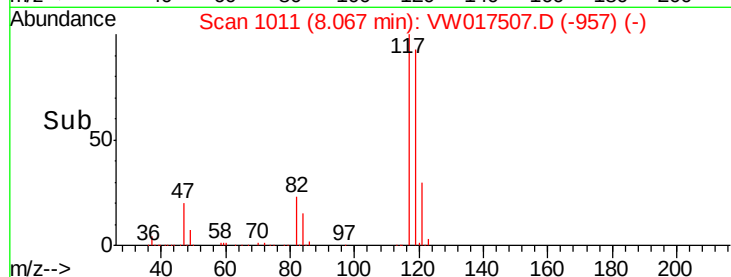
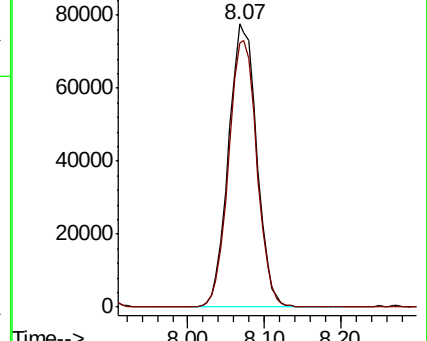
117 100

119 94.1 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: 24.290 ug/L

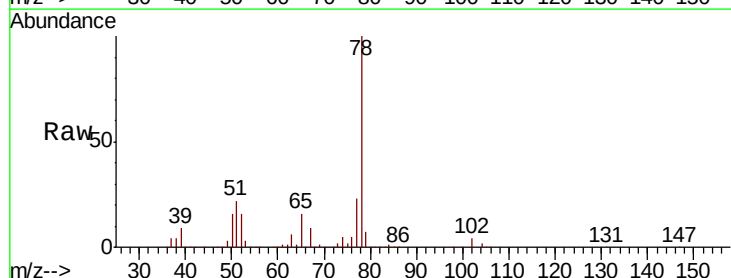
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

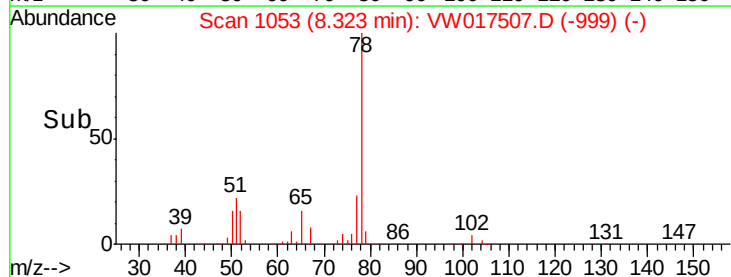
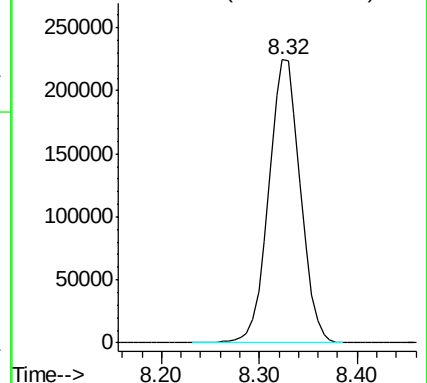
Lab File: VW017507.D

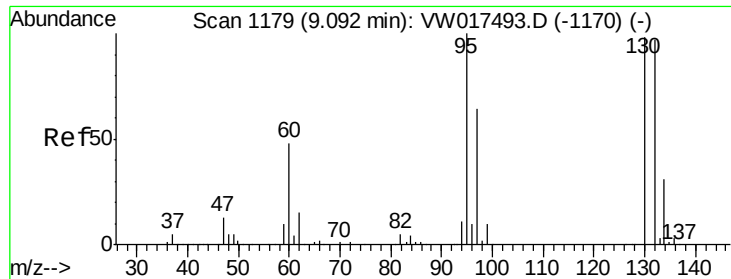
Acq: 25 Nov 2020 17:01

Tgt Ion: 78 Resp: 509355



Abundance Ion 78.00 (77.70 to 78.70): VW

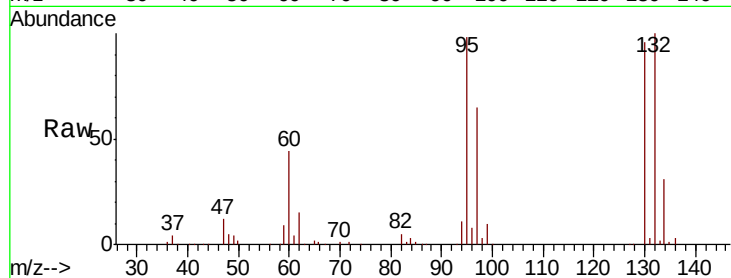




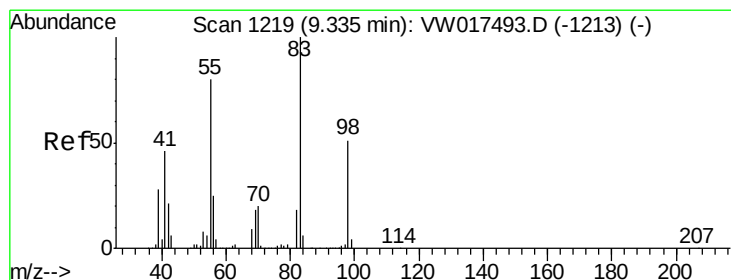
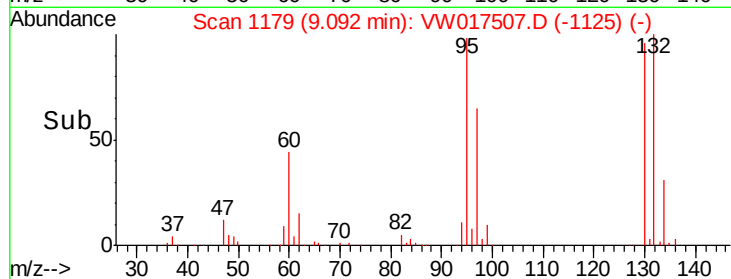
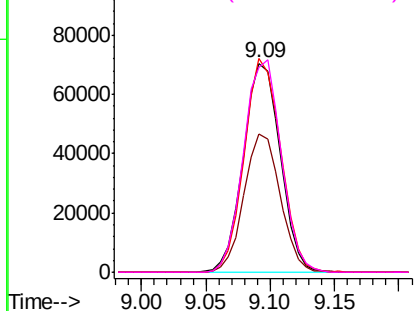
#35
 Trichloroethene
 Concen: 24.154 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017507.D
 Acq: 25 Nov 2020 17:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	140416
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.0	83.6
132	100.6	71.0	131.8
130	103.2	75.6	140.4

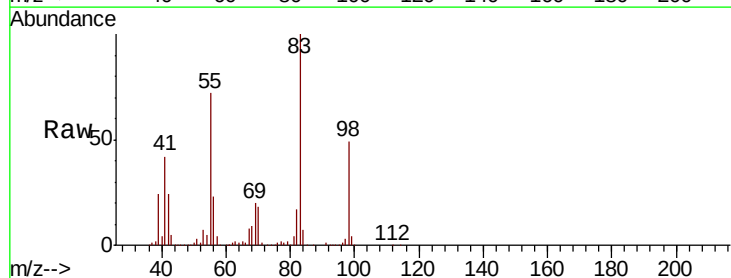


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

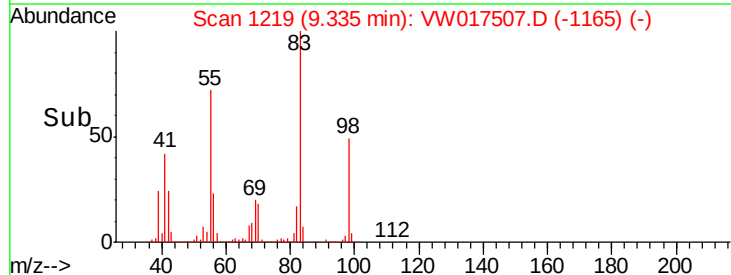
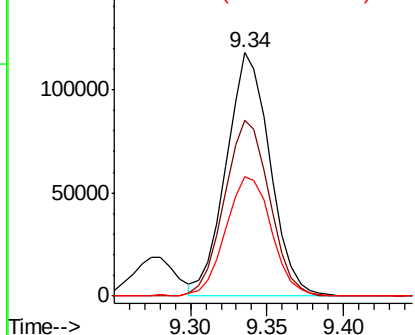


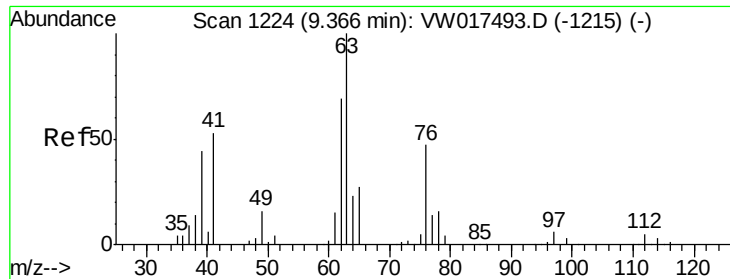
#36
 Methylcyclohexane
 Concen: 24.424 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017507.D
 Acq: 25 Nov 2020 17:01

Tgt Ion:	83	Resp:	234791
Ion	Ratio	Lower	Upper
83	100		
55	74.2	59.4	89.0
98	51.3	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: 24.703 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

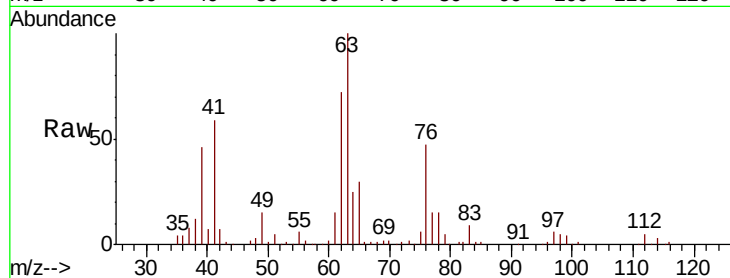
ClientSampleId :

Tot Ion: 63 Resp: 121671

Ion Ratio Lower Upper

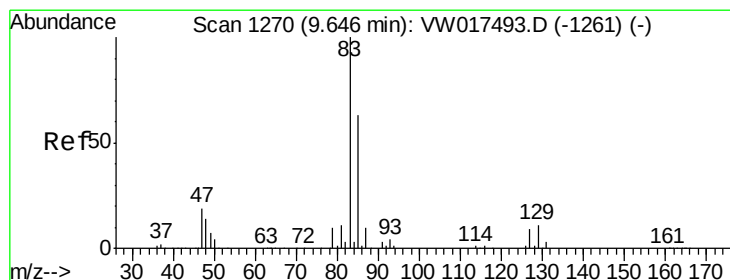
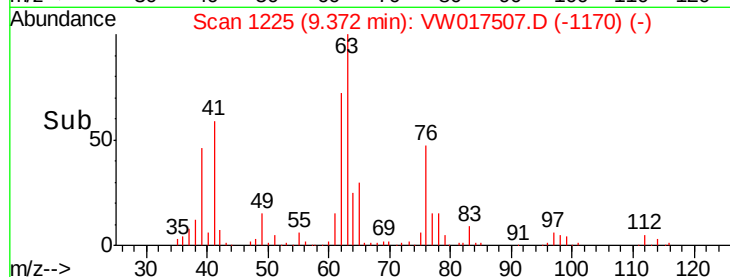
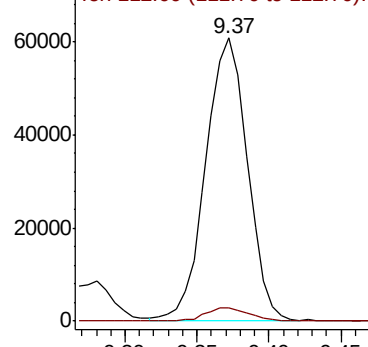
63 100

112 5.1 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: 24.538 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

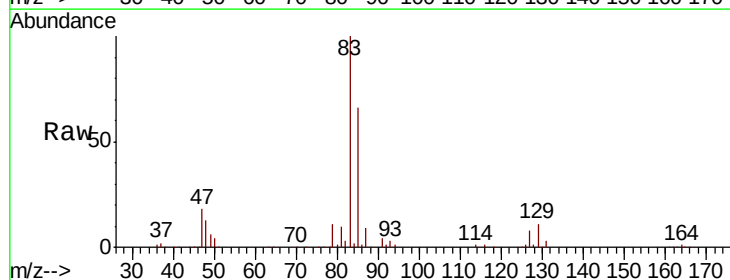
Tgt Ion: 83 Resp: 166985

Ion Ratio Lower Upper

83 100

85 66.2 46.8 86.8

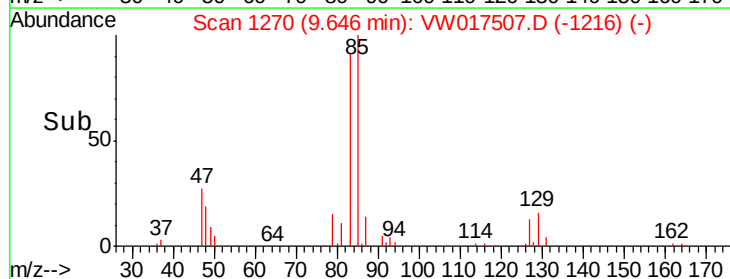
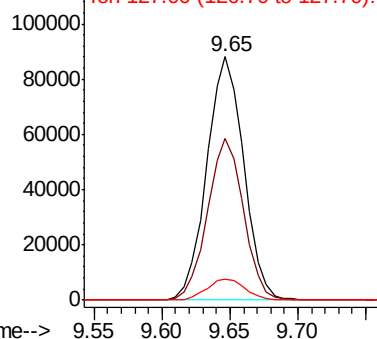
127 8.4 7.6 11.4

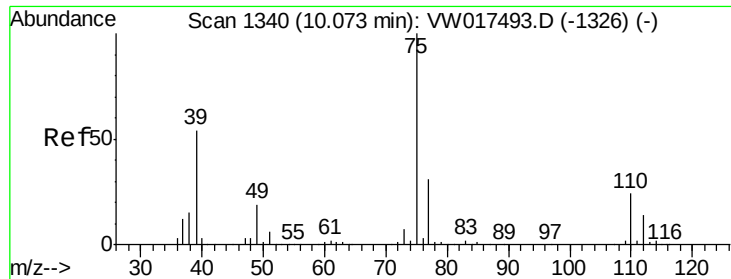


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

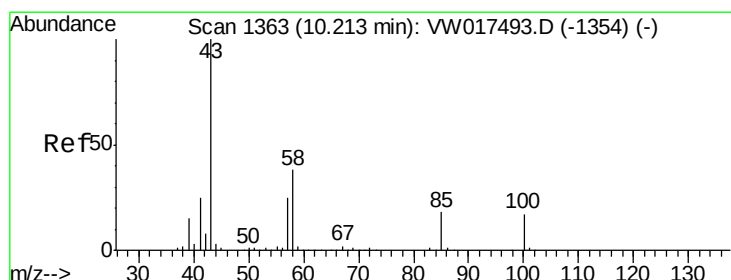
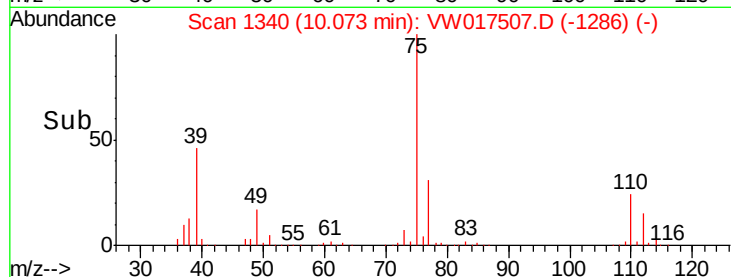
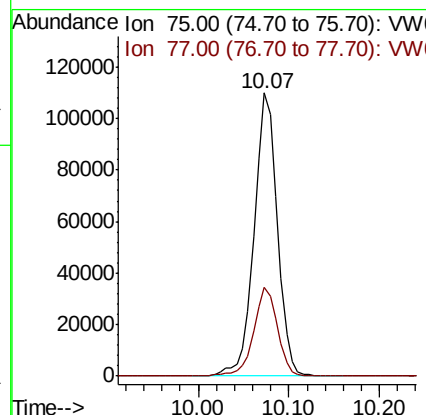
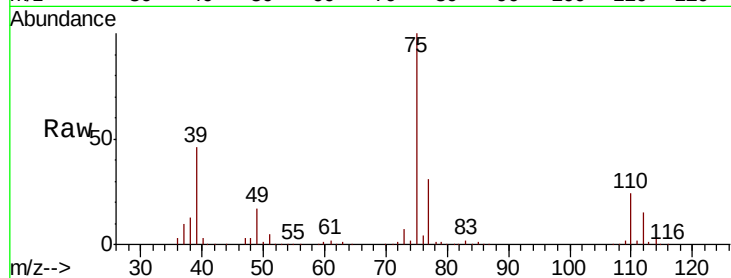




#42
 cis-1,3-Dichloropropene
 Concen: 25.635 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017507.D
 Acq: 25 Nov 2020 17:01

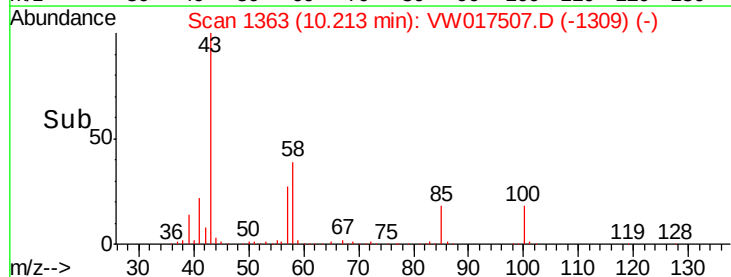
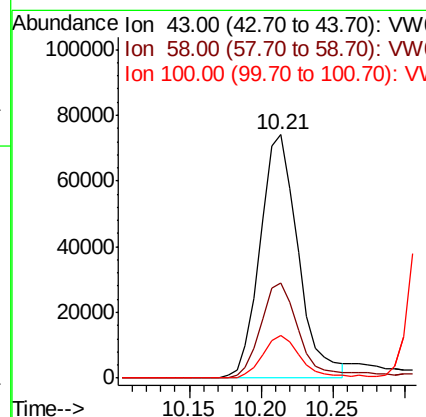
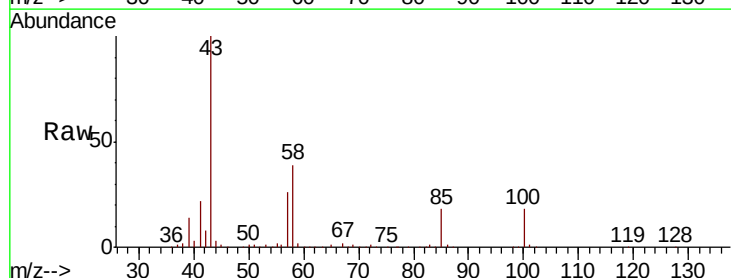
Instrument :
 MSVOA_W
 ClientSampleId :

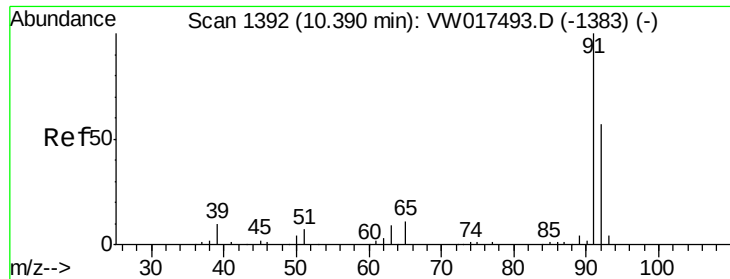
Tot Ion: 75 Resp: 195569
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 59.718 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017507.D
 Acq: 25 Nov 2020 17:01

Tgt Ion: 43 Resp: 135413
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.6 47.4
 100 17.7 14.1 21.1





#44

Toluene

Concen: 24.642 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

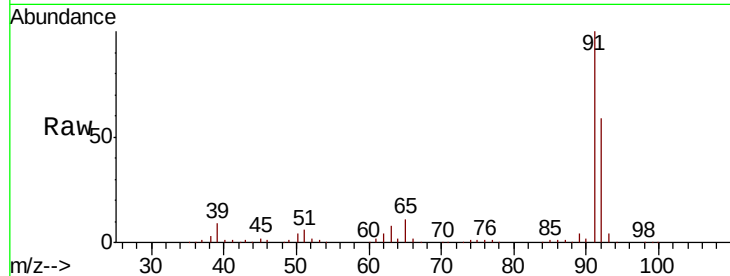
ClientSampled :

Tot Ion: 91 Resp: 556056

Ion Ratio Lower Upper

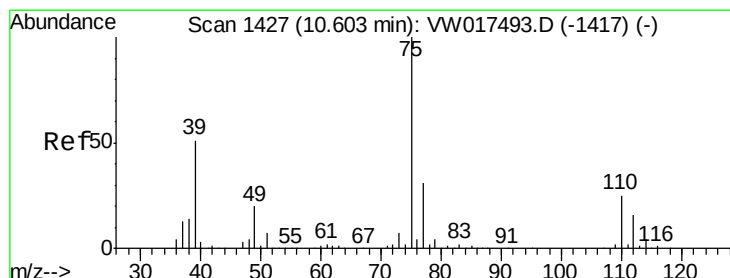
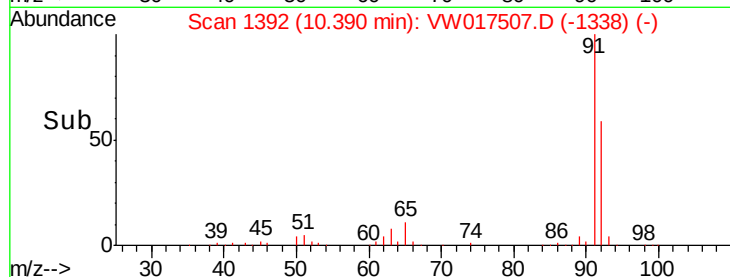
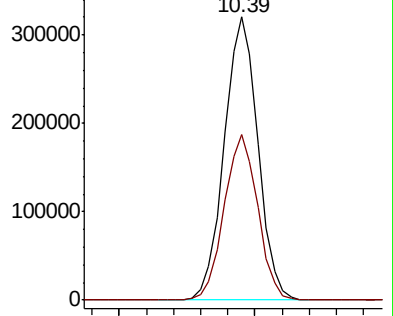
91 100

92 58.7 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 26.865 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017507.D

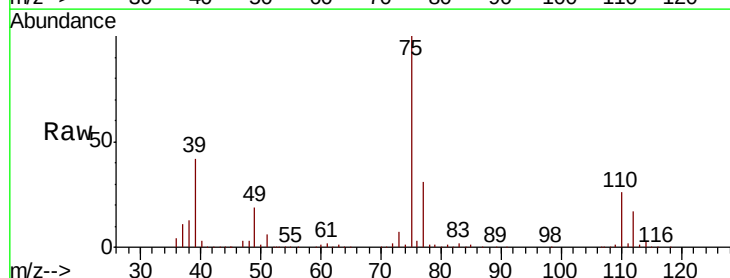
Acq: 25 Nov 2020 17:01

Tgt Ion: 75 Resp: 175632

Ion Ratio Lower Upper

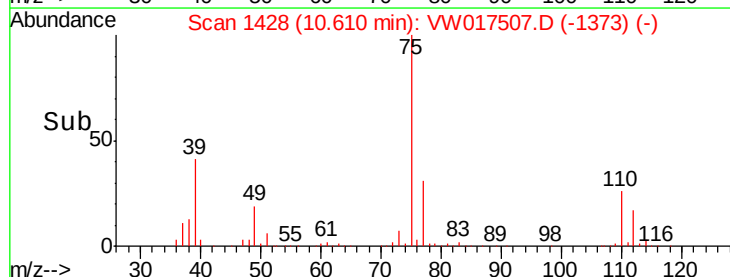
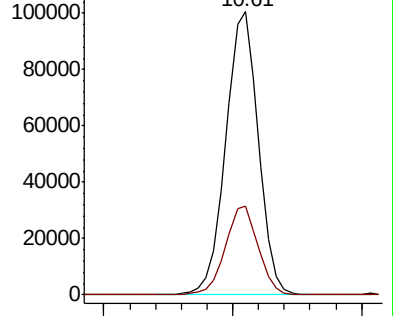
75 100

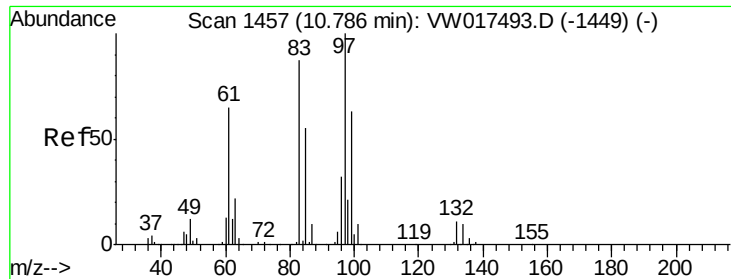
77 31.5 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

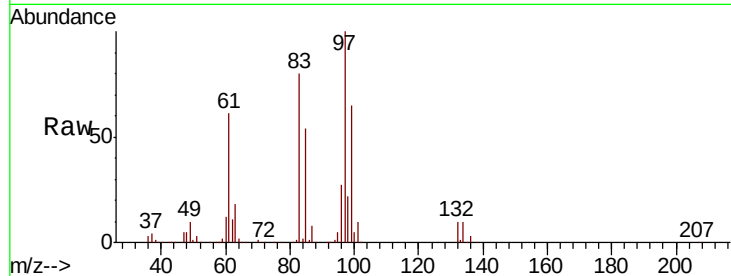




#46
1,1,2-Trichloroethane
Concen: 26.047 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	97	Resp	96125
Ion	Ratio	Lower	Upper
97	100		
83	80.0	58.5	108.7
85	54.4	37.8	70.2
99	65.1	43.7	81.1



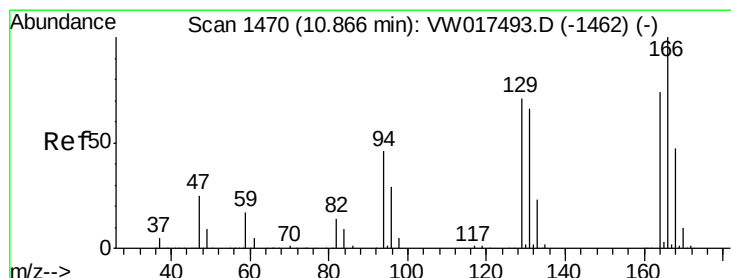
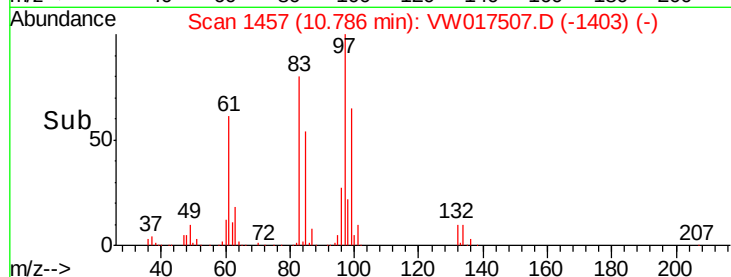
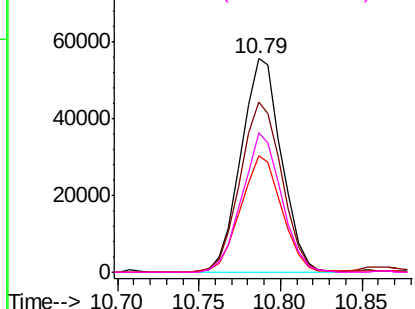
Abundance

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: 23.145 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Tgt Ion	164	Resp	114642
Ion	Ratio	Lower	Upper
164	100		
129	96.2	67.6	125.6
131	94.4	65.2	121.2
166	136.1	93.2	173.2

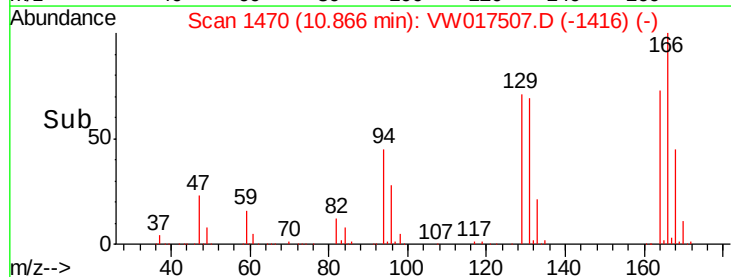
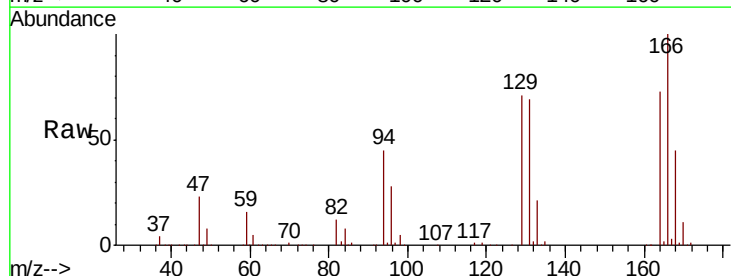
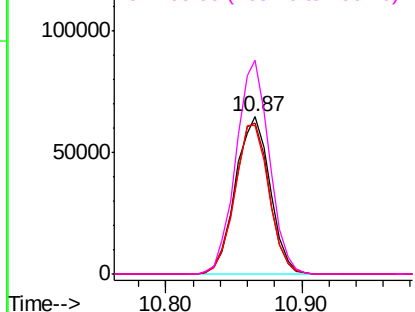
Abundance

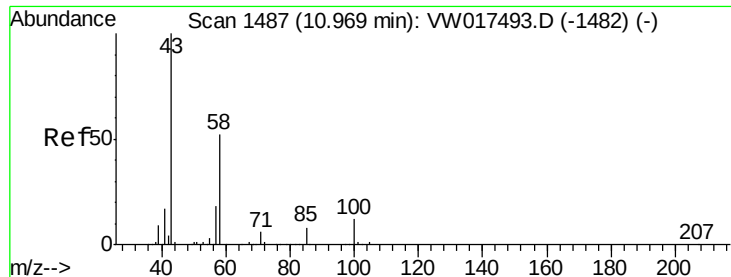
Ion 164.00 (163.70 to 164.70): V

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

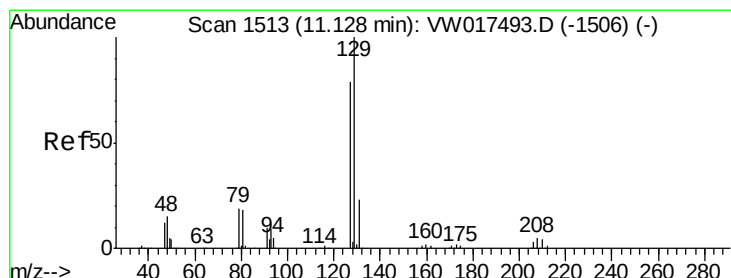
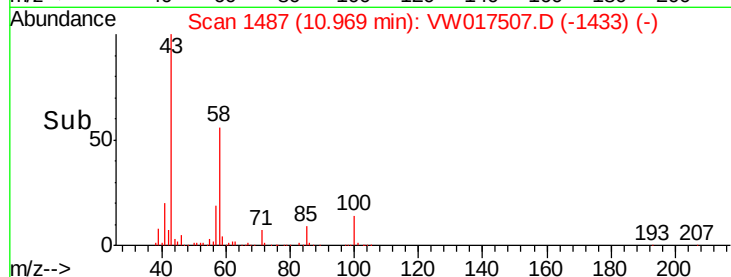
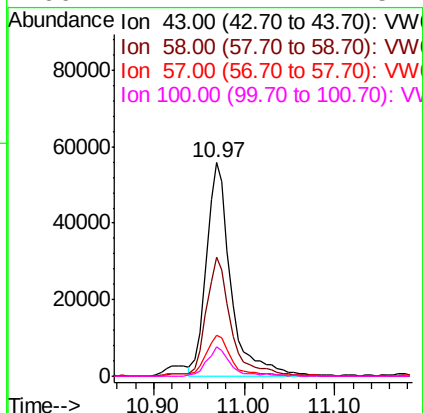
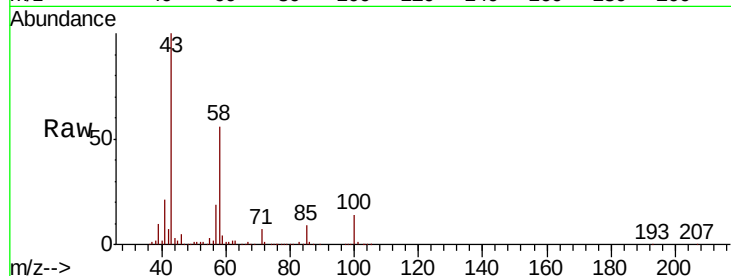




#49
2-Hexanone
Concen: 66.364 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

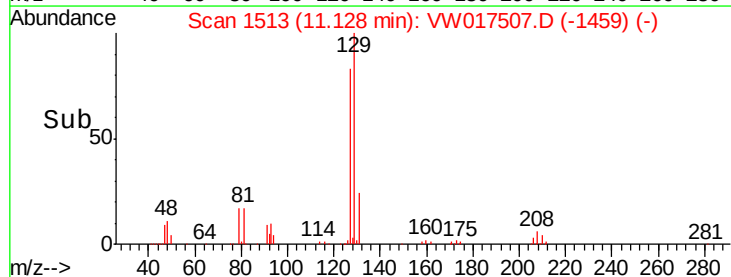
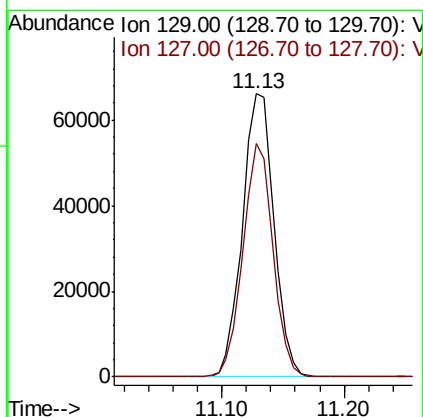
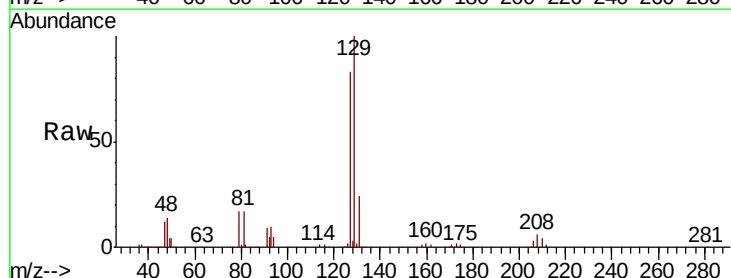
Instrument :
MSVOA_W
ClientSampleId :

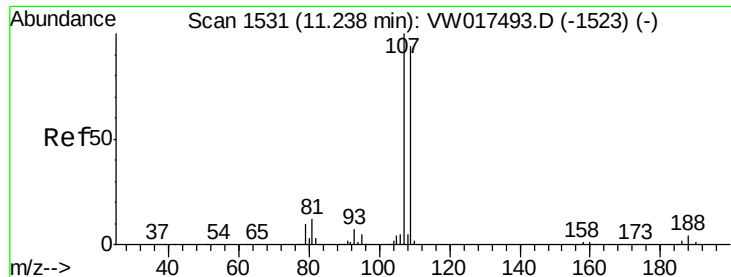
Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	51.3	76.9
57	16.3	15.0	22.6
100	12.2	12.2	18.2



#50
Dibromochloromethane
Concen: 25.842 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.5	53.2	98.8

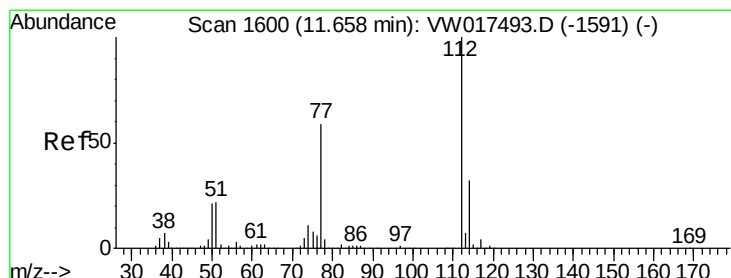
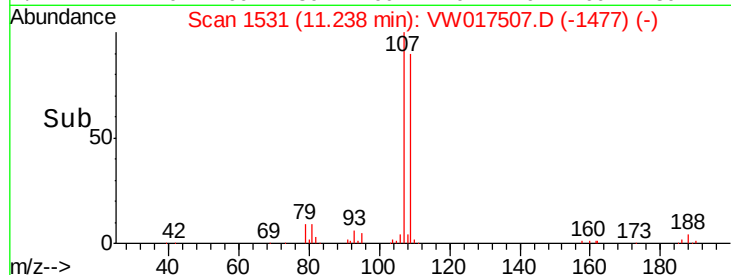
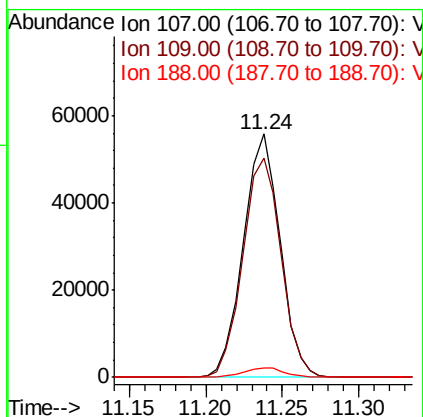
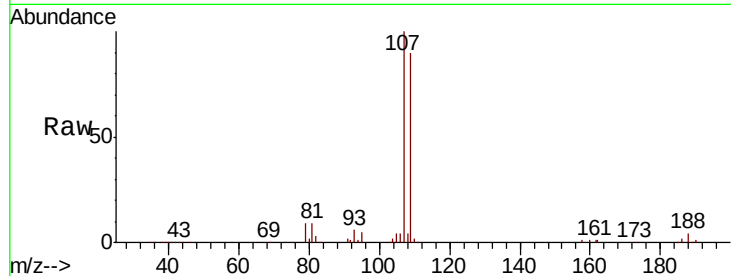




#51
1,2-Dibromoethane
Concen: 26.461 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

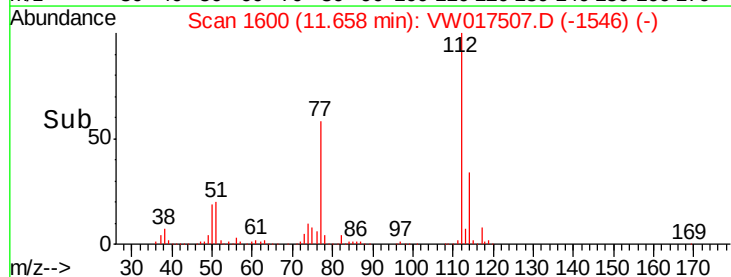
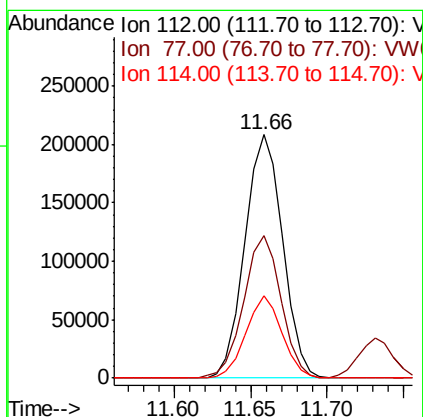
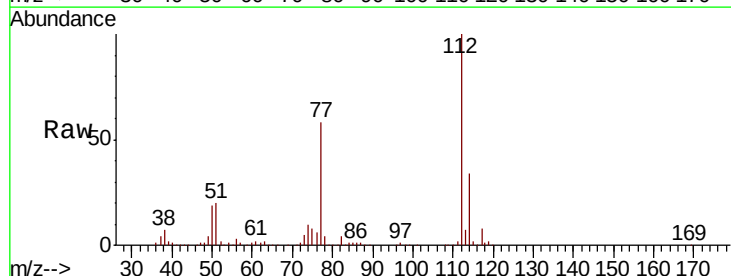
Instrument :
MSVOA_W
ClientSampleId :

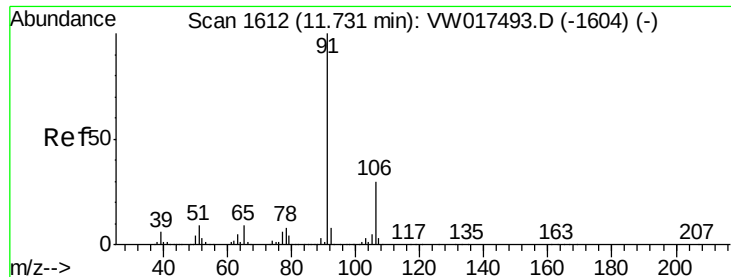
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.2	66.4	123.2
188	3.6	4.0	6.0#



#52
Chlorobenzene
Concen: 24.269 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.4	42.6	64.0
114	34.0	21.6	40.2

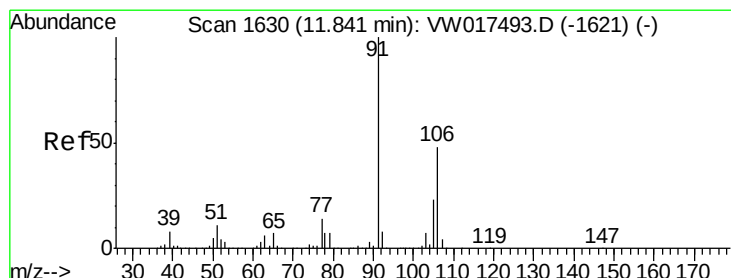
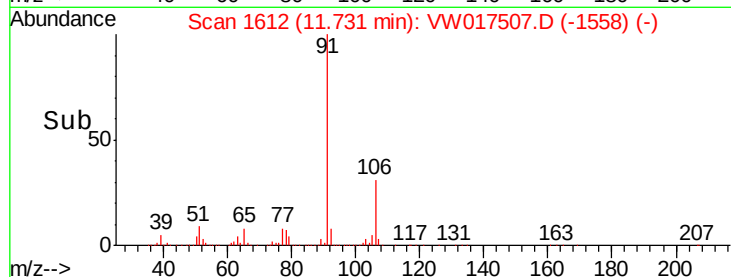
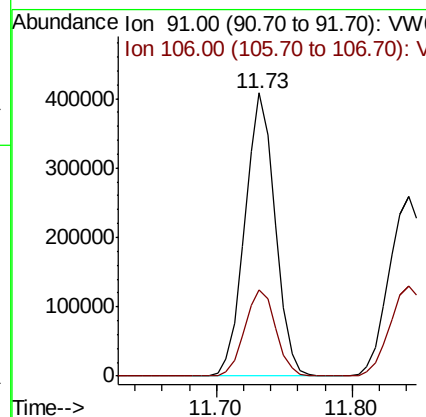
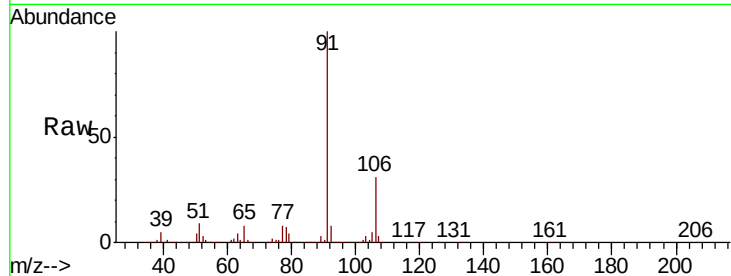




#53
Ethylbenzene
Concen: 24.755 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

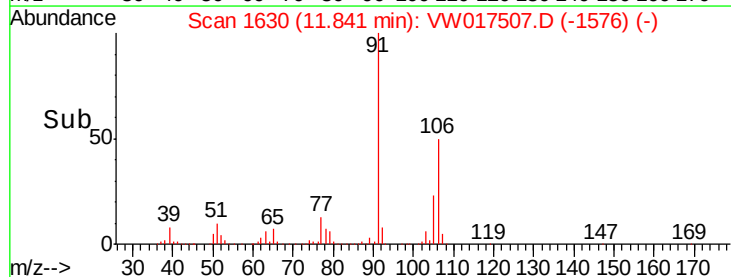
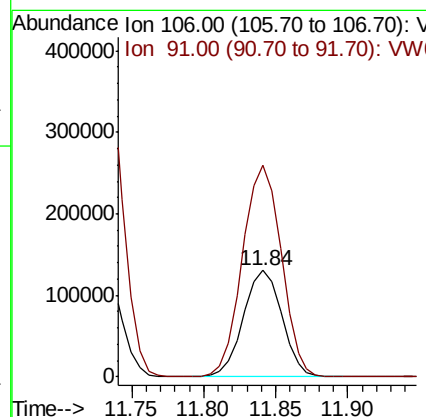
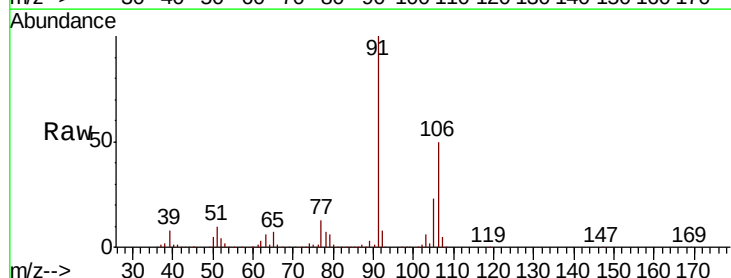
Instrument :
MSVOA_W
ClientSampled :

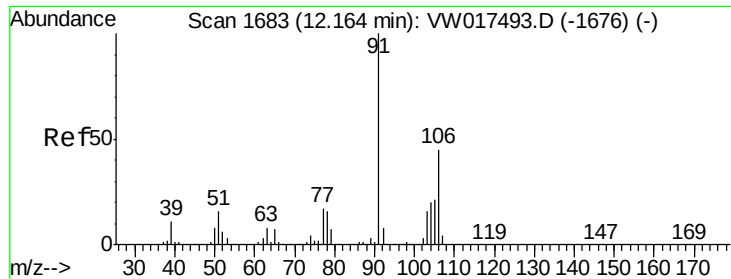
Tot Ion: 91 Resp: 633350
Ion Ratio Lower Upper
91 100
106 30.6 21.1 39.1



#54
m,p-Xylene
Concen: 24.840 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Tgt Ion: 106 Resp: 242472
Ion Ratio Lower Upper
106 100
91 198.4 136.4 253.4

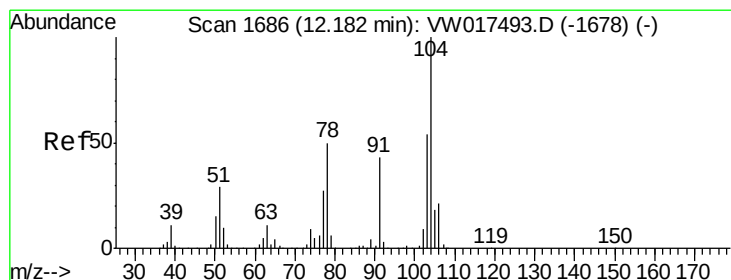
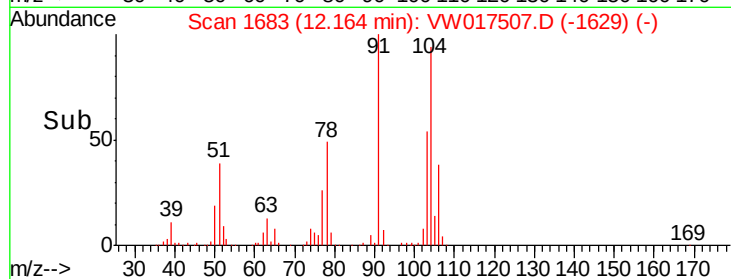
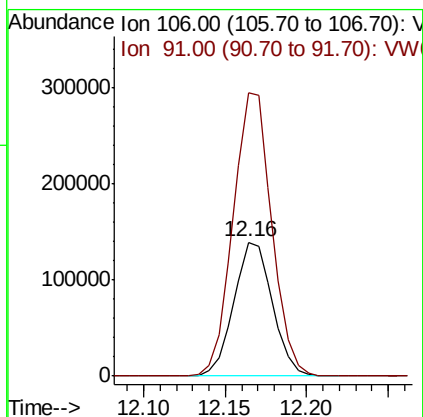
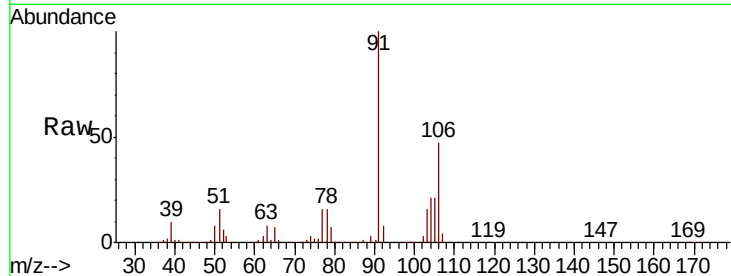




#55
o-xylene
Concen: 25.203 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

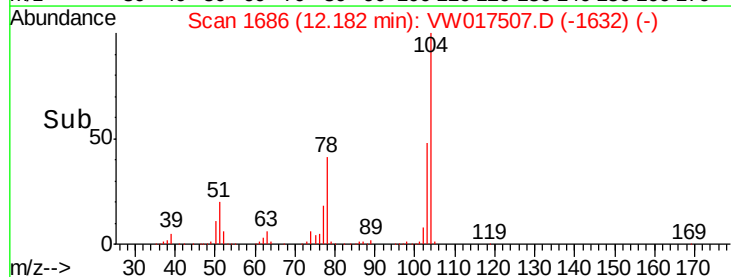
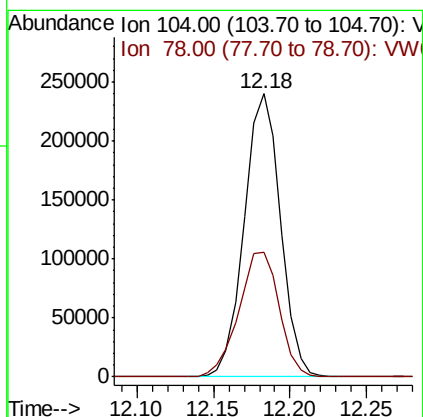
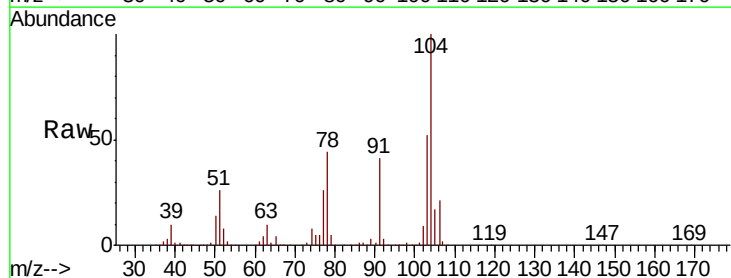
Instrument :
MSVOA_W
ClientSampled :

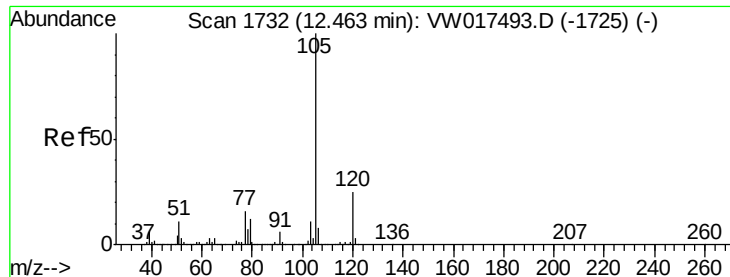
Tot Ion:106 Resp: 229134
Ion Ratio Lower Upper
106 100
91 211.2 147.6 274.2



#56
Styrene
Concen: 25.904 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017507.D
Acq: 25 Nov 2020 17:01

Tgt Ion:104 Resp: 396184
Ion Ratio Lower Upper
104 100
78 44.2 31.3 58.1





#57

Isopropylbenzene

Concen: 25.573 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

ClientSampled :

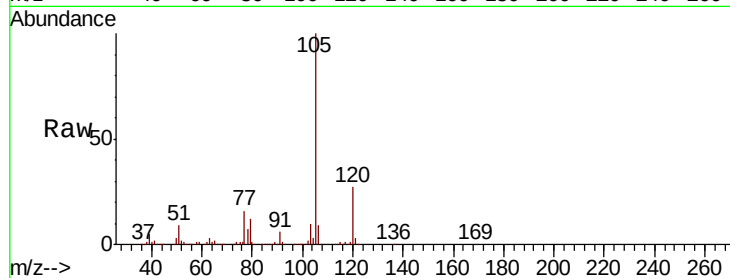
Tot Ion:105 Resp: 638624

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

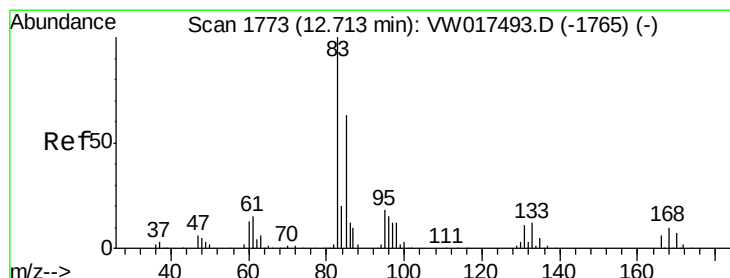
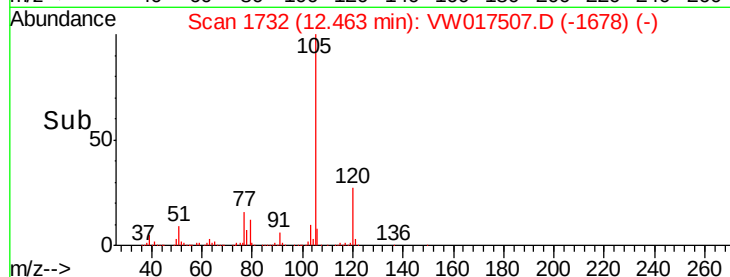
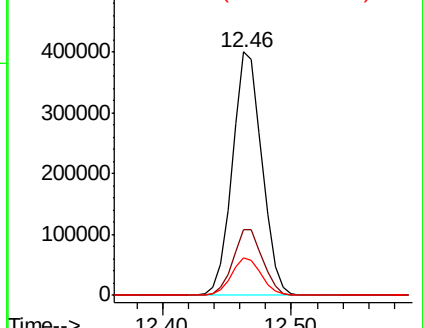
77 15.6 12.1 18.1



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: 28.384 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

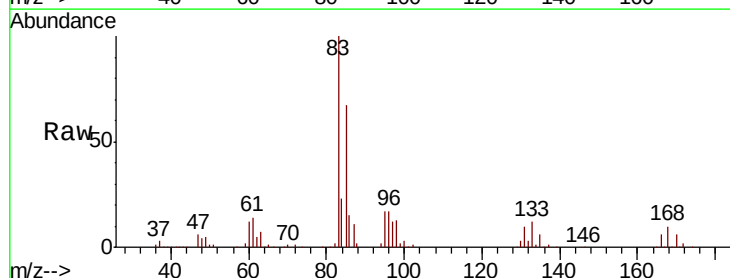
Tgt Ion: 83 Resp: 112747

Ion Ratio Lower Upper

83 100

85 67.3 45.3 84.1

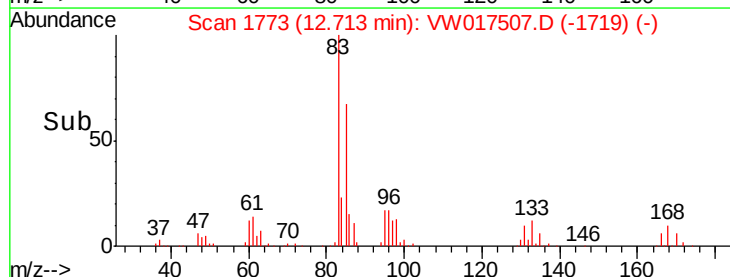
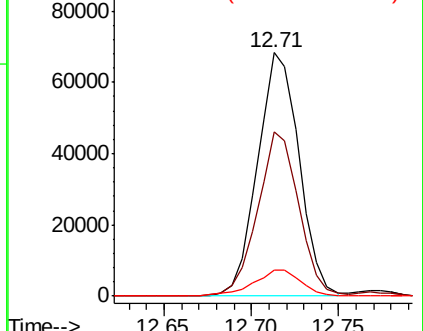
131 10.5 8.3 12.5

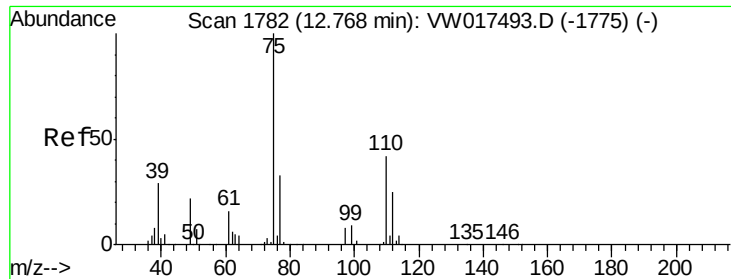


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

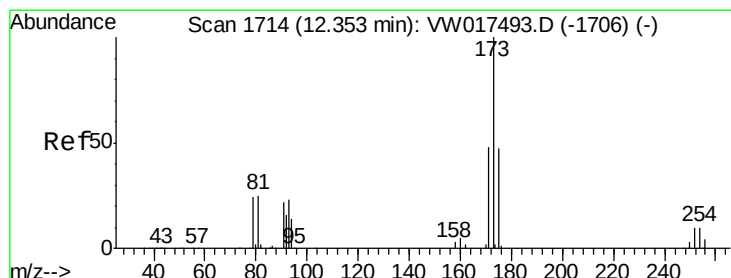
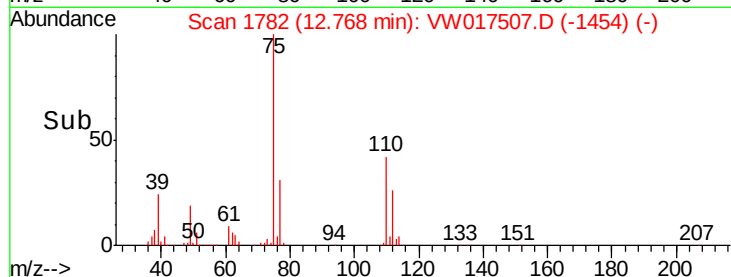
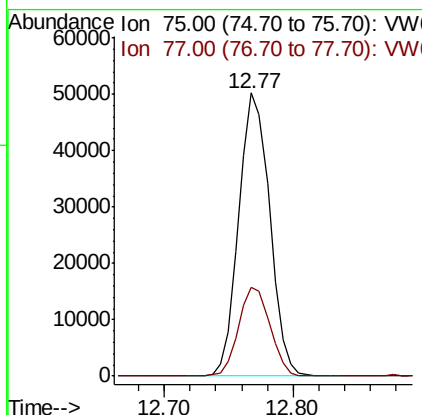
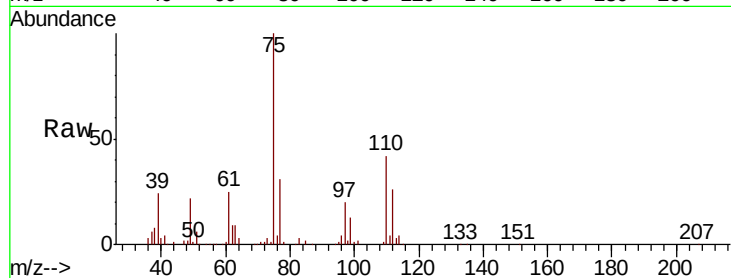




#59
 1,2,3-Trichloropropane
 Concen: 28.548 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017507.D
 Acq: 25 Nov 2020 17:01

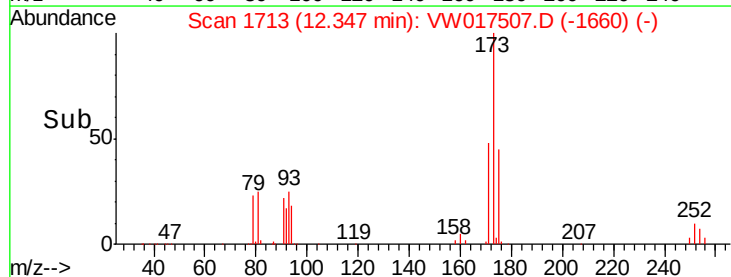
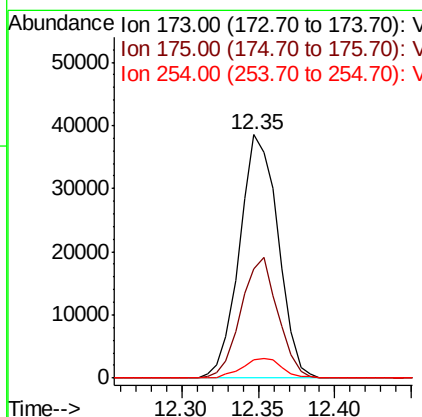
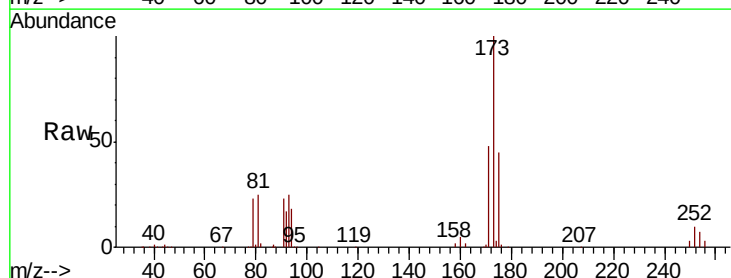
Instrument :
 MSVOA_W
 ClientSampleId :

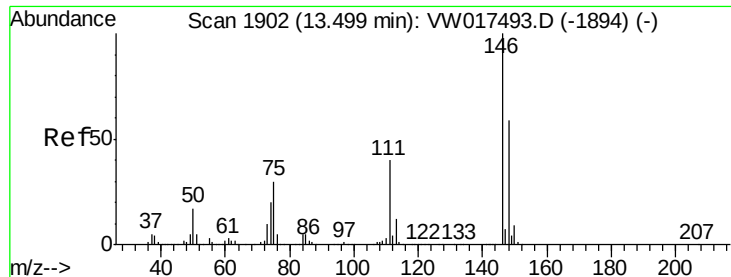
Tot Ion: 75 Resp: 83697
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.6 39.8



#62
 Bromoform
 Concen: 25.015 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW017507.D
 Acq: 25 Nov 2020 17:01

Tgt Ion: 173 Resp: 67609
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.1 58.7
 254 8.5 7.1 10.7





#63

1,3-Dichlorobenzene

Concen: 23.785 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017507.D

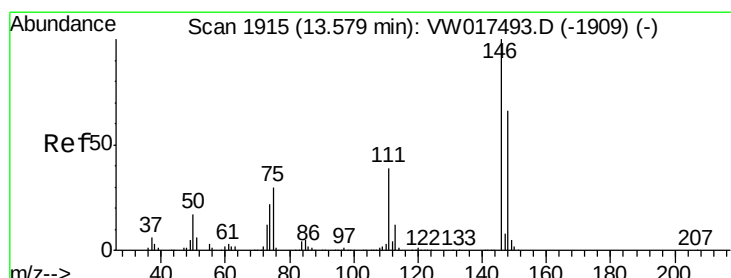
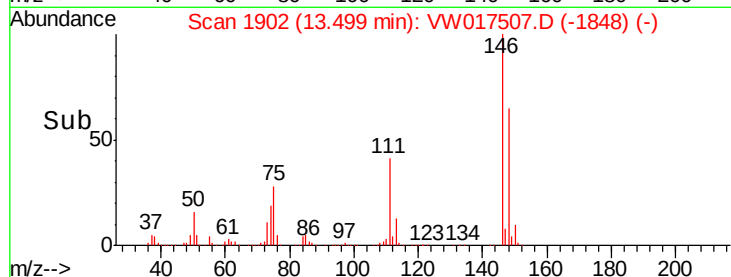
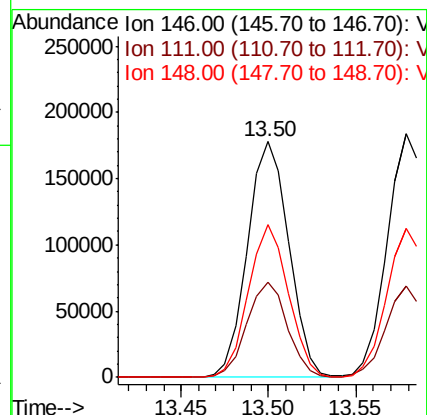
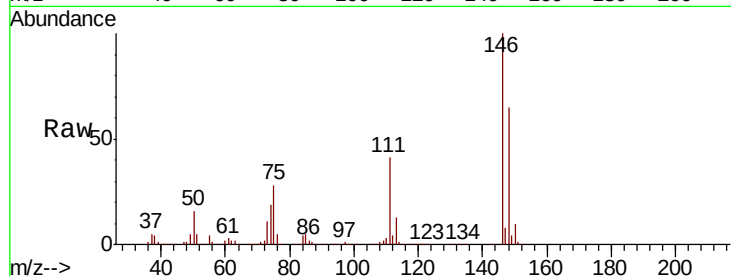
Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146	Resp:	292399
Ion Ratio	Lower	Upper
146	100	
111	40.6	28.5 52.9
148	65.1	47.8 88.8



#64

1,4-Dichlorobenzene

Concen: 24.322 ug/L

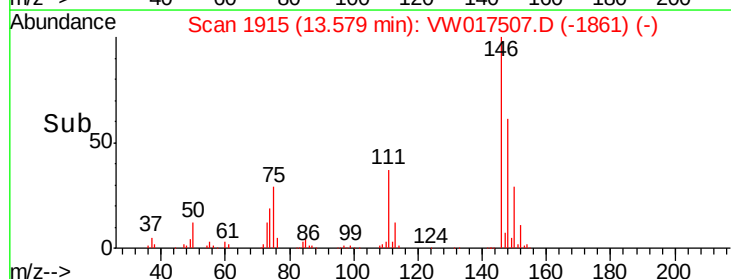
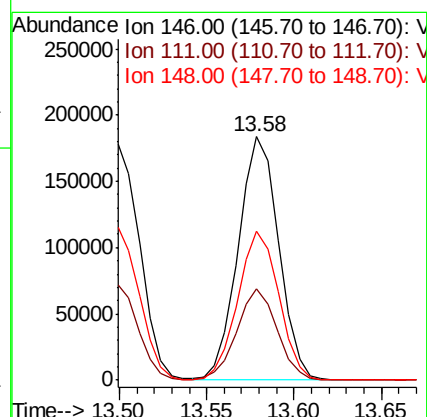
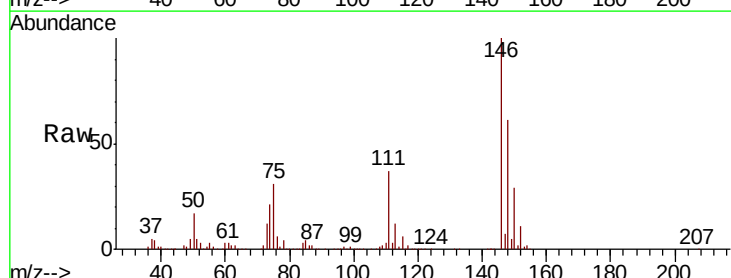
RT: 13.58 min Scan# 1915

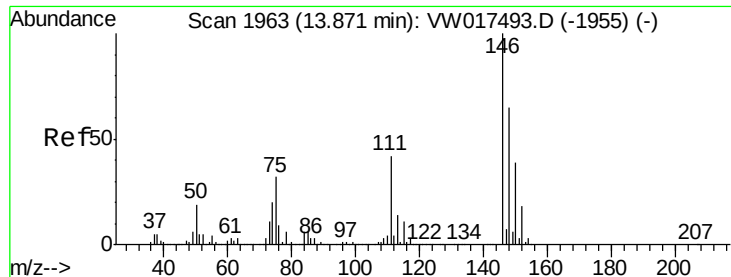
Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Tgt Ion:146	Resp:	296211
Ion Ratio	Lower	Upper
146	100	
111	37.4	27.7 51.5
148	61.1	47.0 87.2





#65

1,2-Dichlorobenzene

Concen: 24.282 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

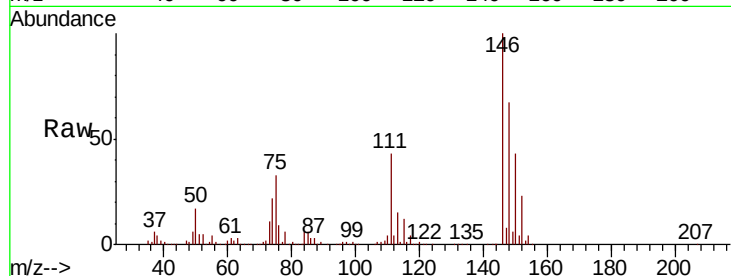
Tot Ion:146 Resp: 259995

Ion Ratio Lower Upper

146 100

111 43.5 31.7 47.5

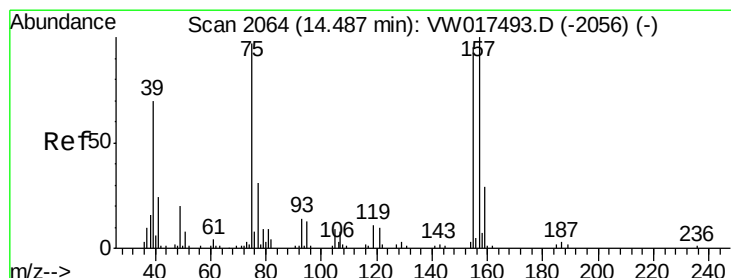
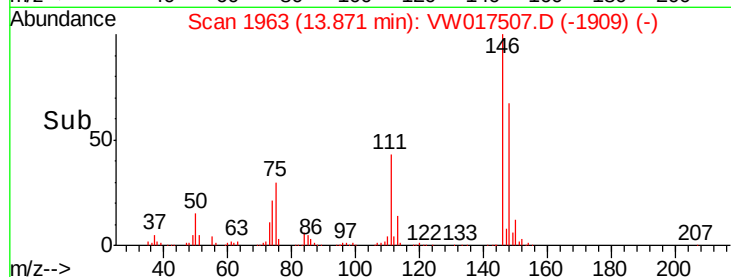
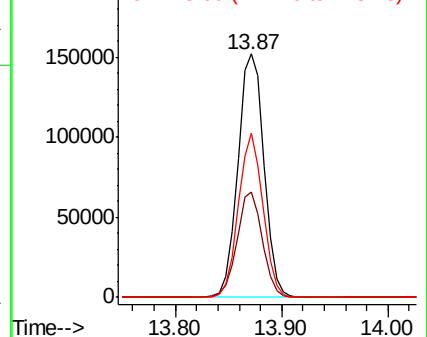
148 67.5 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 28.013 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

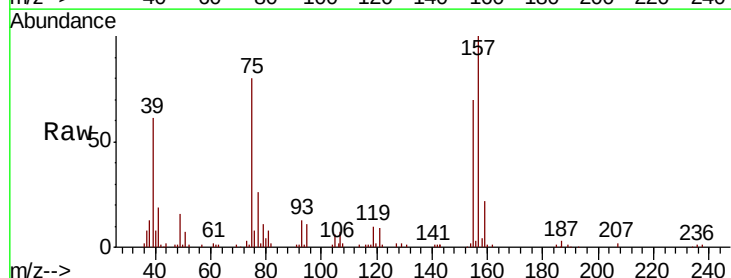
Tgt Ion: 75 Resp: 19312

Ion Ratio Lower Upper

75 100

157 124.4 99.9 149.9

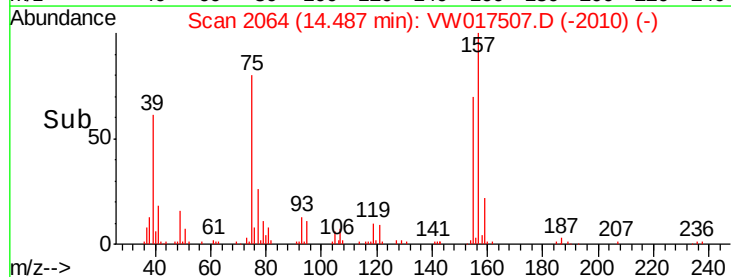
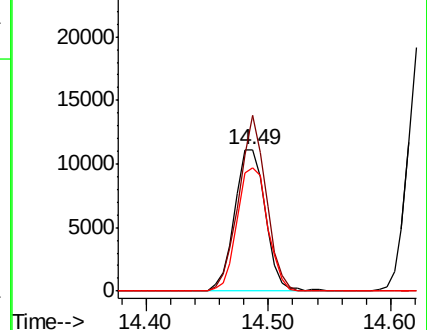
155 87.3 71.4 107.0

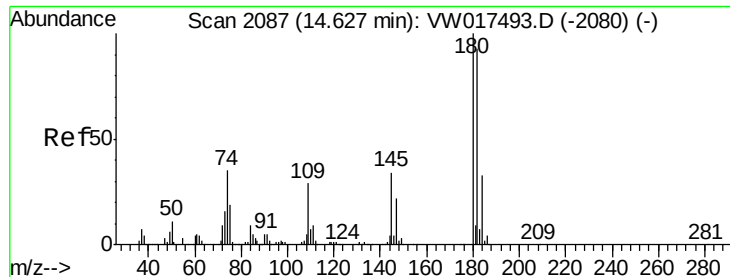


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

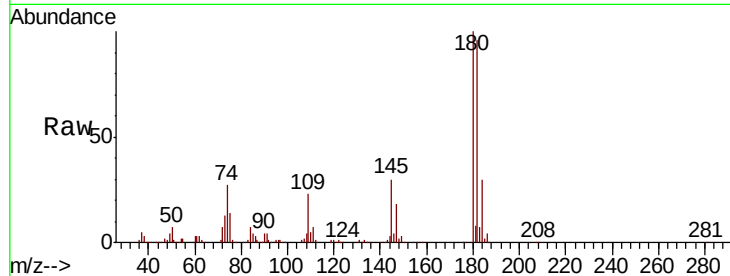




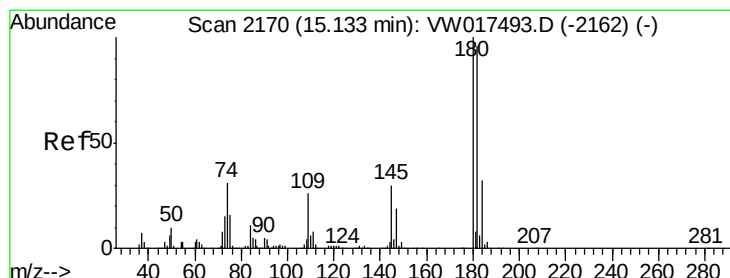
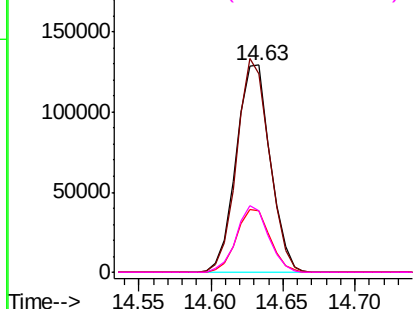
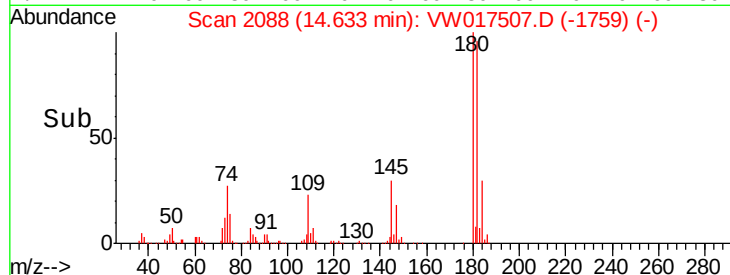
#67
 1,3,5-Trichlorobenzene
 Concen: 24.276 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017507.D
 Acq: 25 Nov 2020 17:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	213790
Ion Ratio	Lower	Upper
180	100	
182	97.7	77.0 115.6
184	29.9	24.2 36.4
145	30.3	23.5 35.3

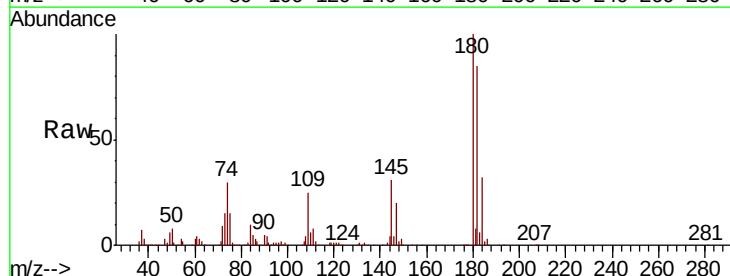


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

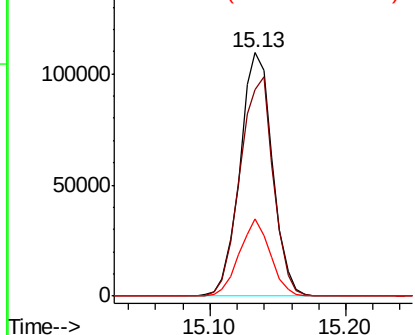
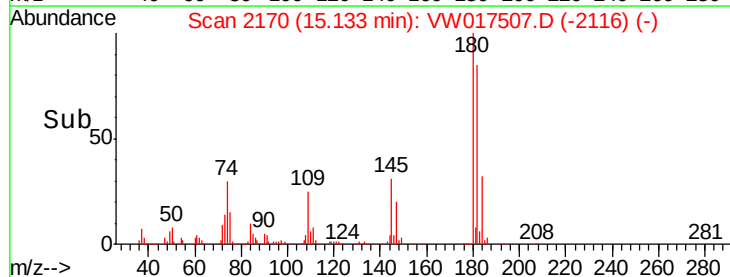


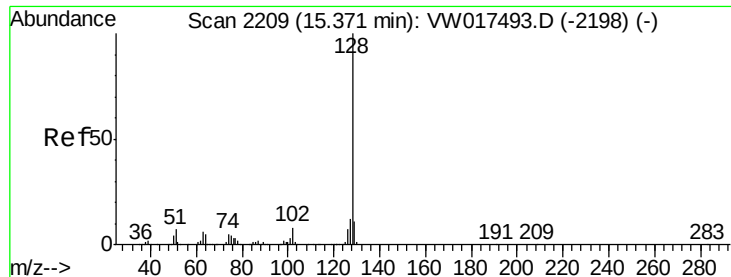
#68
 1,2,4-trichlorobenzene
 Concen: 25.677 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017507.D
 Acq: 25 Nov 2020 17:01

Tgt Ion:180	Resp:	182808
Ion Ratio	Lower	Upper
180	100	
182	92.1	71.3 106.9
145	30.2	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: 29.129 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

Instrument :

MSVOA_W

ClientSampled :

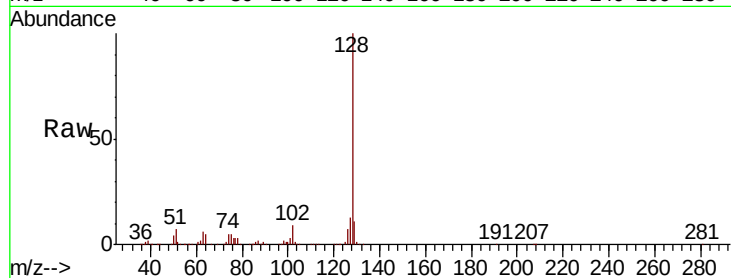
Tot Ion:128 Resp: 320219

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.0 10.7 16.1

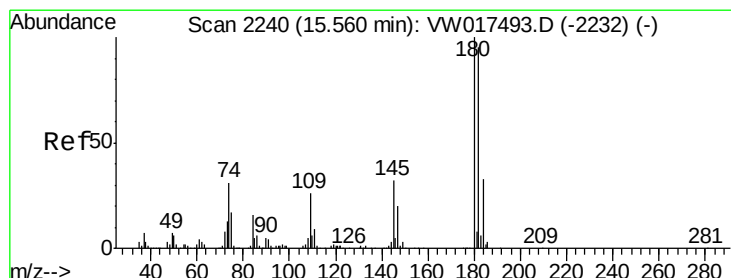
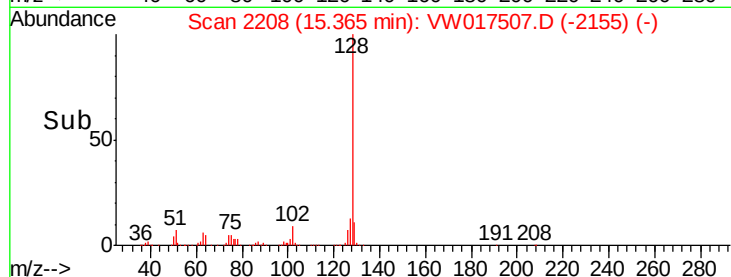
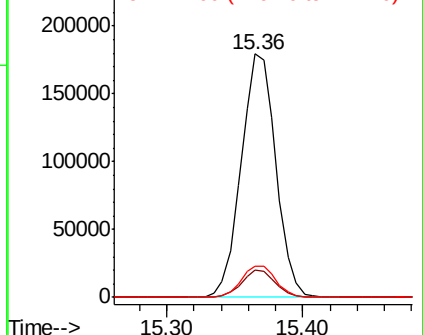


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.931 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017507.D

Acq: 25 Nov 2020 17:01

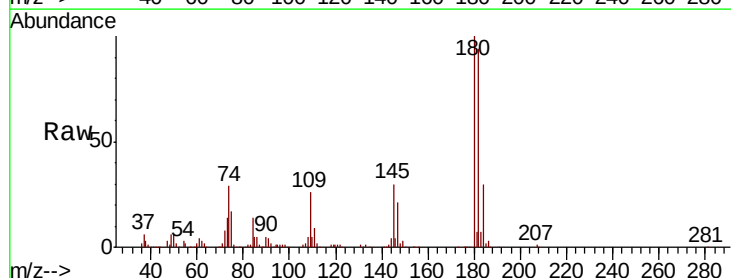
Tgt Ion:180 Resp: 159929

Ion Ratio Lower Upper

180 100

182 97.1 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

