

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122420\
 Data File : VW017731.D
 Acq On : 24 Dec 2020 12:39
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 07:23:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 24 12:31:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	387408	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	349112	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	182217	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	137346	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.64%
7) Chloroethane-d5	2.89	69	118164	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
10) 1,1-Dichloroethene-d2	4.03	63	245826	23.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.16%
20) 2-Butanone-d5	7.08	46	52712	54.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.52%
24) Chloroform-d	7.65	84	256318	25.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.28%
26) 1,2-Dichloroethane-d4	8.30	65	136415	26.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.12%
29) Benzene-d6	8.27	84	488254	24.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.32%
33) 1,2-Dichloropropane-d6	9.27	67	137759	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.64%
37) Toluene-d8	10.32	98	471330	24.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.84%
38) trans-1,3-Dichloropropene-	10.58	79	66058	27.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.36%
39) 2-Hexanone-d5	10.93	63	38085	55.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110989	27.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	163066	25.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	88873	20.778	ug/L 97
3) Chloromethane	2.21	50	75410	19.835	ug/L 97
5) Vinyl chloride	2.37	62	135945	21.136	ug/L 98
6) Bromomethane	2.78	94	103464	21.693	ug/L 100
8) Chloroethane	2.93	64	88284	21.893	ug/L 97
9) Trichlorofluoromethane	3.27	101	101053	19.150	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	109163	22.165	ug/L 98
12) 1,1-Dichloroethene	4.05	96	105106	22.014	ug/L 97
13) Acetone	4.12	43	39868	47.522	ug/L 95
14) Carbon disulfide	4.39	76	324105	22.733	ug/L 99
15) Methyl Acetate	4.67	43	39987	24.592	ug/L 99
16) Methylene chloride	4.92	84	111090	20.052	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	142329	23.522	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	116687	22.658	ug/L 91
19) 1,1-Dichloroethane	6.22	63	199686	22.696	ug/L 99
21) 2-Butanone	7.17	43	55901	49.538	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	120860	22.334	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

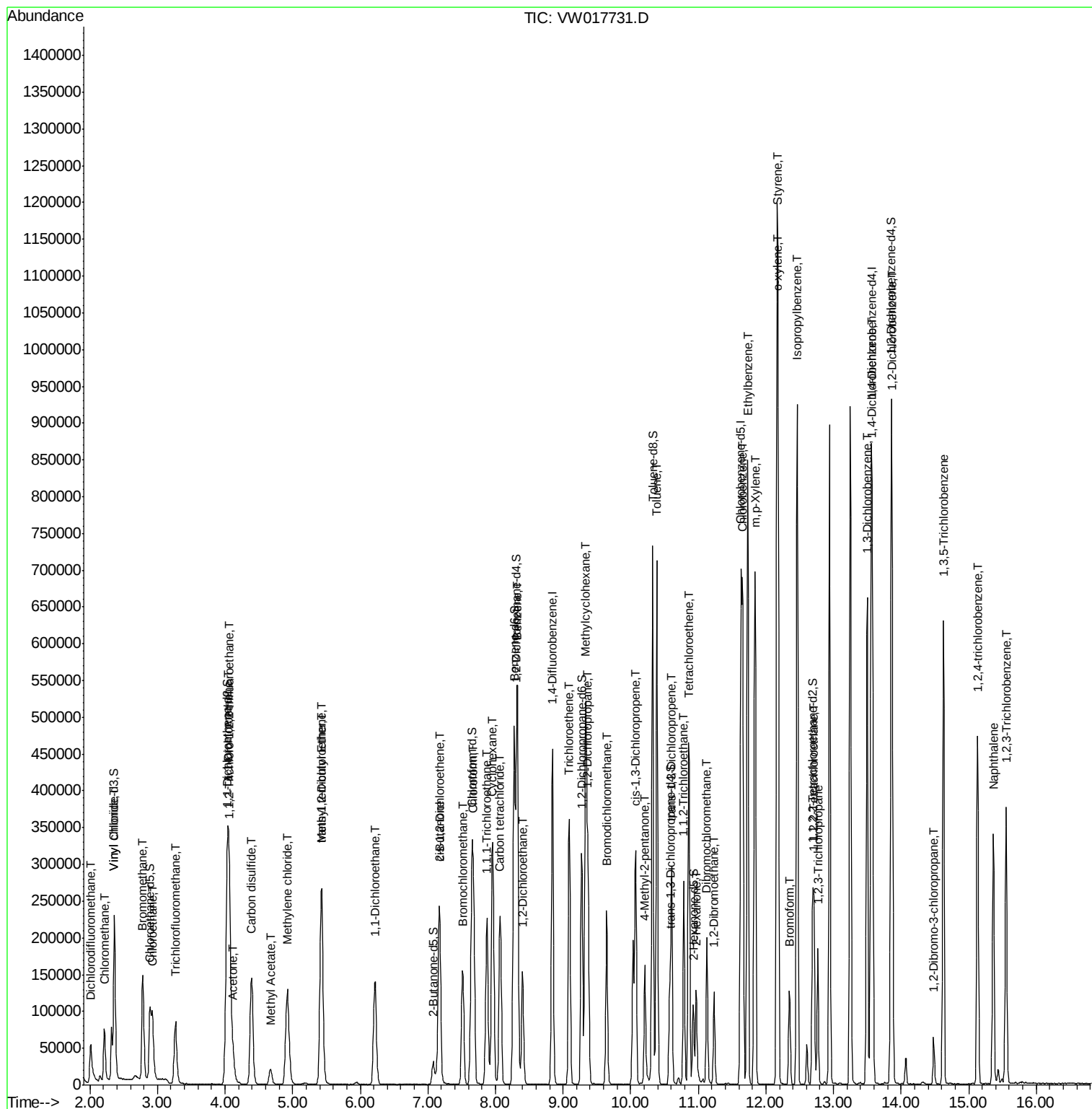
23) Bromochloromethane	7.51	128	52632	22.959	ug/L #	86
25) Chloroform	7.68	83	210381	22.724	ug/L	99
27) 1,2-Dichloroethane	8.40	62	139822	23.348	ug/L	99
30) Cyclohexane	7.96	56	185037	22.268	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	178759	22.260	ug/L	98
32) Carbon tetrachloride	8.07	117	170422	22.494	ug/L	99
34) Benzene	8.32	78	457308	22.910	ug/L	100
35) Trichloroethene	9.09	95	123913	22.427	ug/L	98
36) Methylcyclohexane	9.34	83	215766	22.339	ug/L	99
40) 1,2-Dichloropropane	9.37	63	108590	23.044	ug/L	100
41) Bromodichloromethane	9.65	83	149055	23.108	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	179082	23.815	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	114961	50.215	ug/L	100
44) Toluene	10.39	91	508611	22.345	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	153685	24.000	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	82273	23.489	ug/L	94
47) Tetrachloroethene	10.87	164	97849	22.651	ug/L	92
49) 2-Hexanone	10.97	43	80600	49.621	ug/L	97
50) Dibromochloromethane	11.13	129	98571	23.704	ug/L	98
51) 1,2-Dibromoethane	11.24	107	81036	24.438	ug/L	96
52) Chlorobenzene	11.66	112	320975	22.589	ug/L	97
53) Ethylbenzene	11.73	91	587806	22.760	ug/L	99
54) m,p-Xylene	11.84	106	223653	22.138	ug/L	97
55) o-xylene	12.16	106	217229	22.863	ug/L	98
56) Styrene	12.18	104	367001	23.222	ug/L	98
57) Isopropylbenzene	12.46	105	596993	22.696	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	94614	24.201	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	70122	24.400	ug/L	99
62) Bromoform	12.35	173	52504	23.549	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	253894	22.575	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	251608	22.262	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	225755	22.844	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	15892	24.416	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	175396	22.748	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	141040	22.224	ug/L	95
69) Naphthalene	15.36	128	282077	23.340	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	119348	22.270	ug/L	98

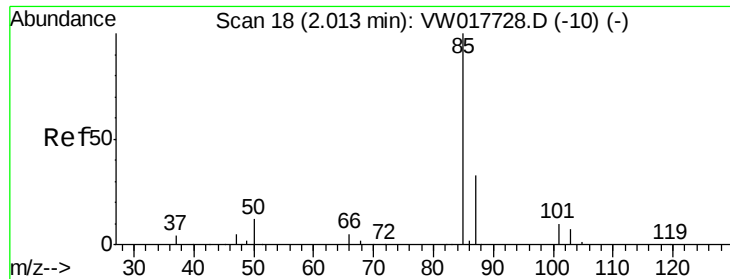
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.778 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

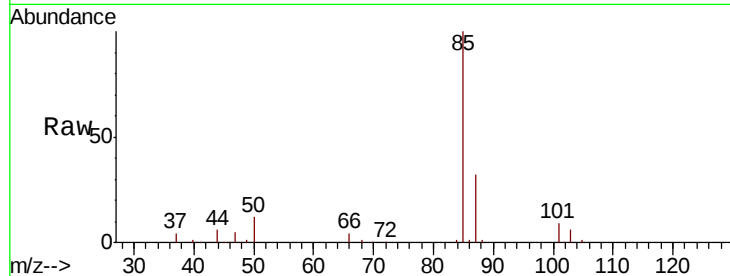
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 88873

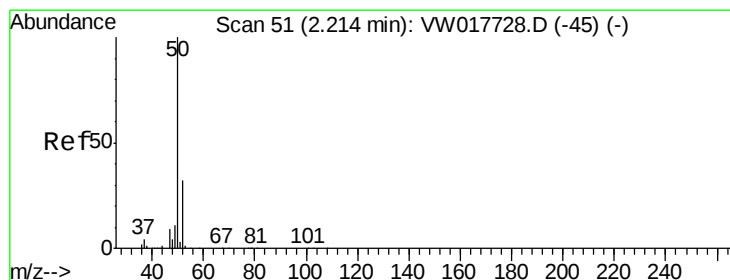
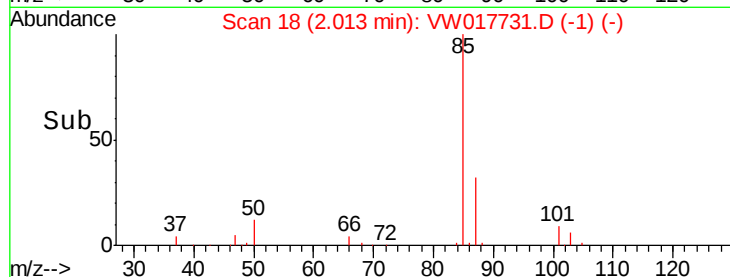
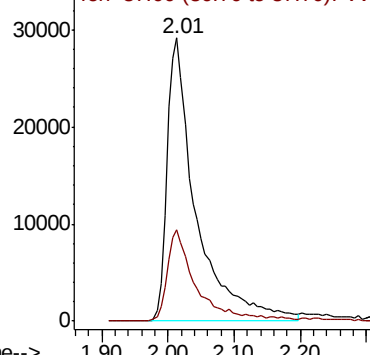
Ion Ratio Lower Upper

85 100

87 29.9 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.835 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017731.D

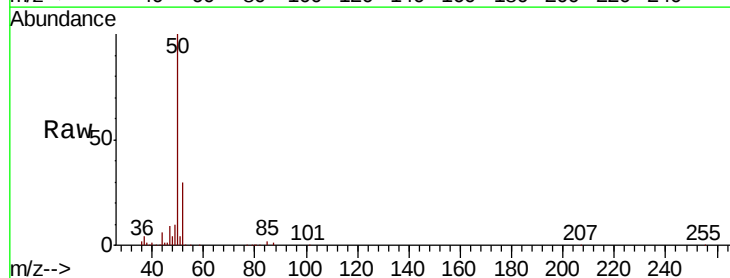
Acq: 24 Dec 2020 12:39

Tgt Ion: 50 Resp: 75410

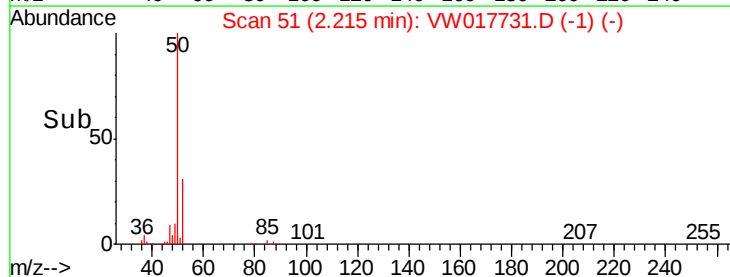
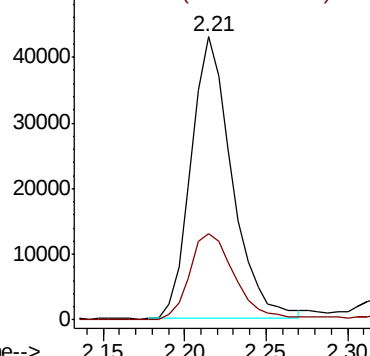
Ion Ratio Lower Upper

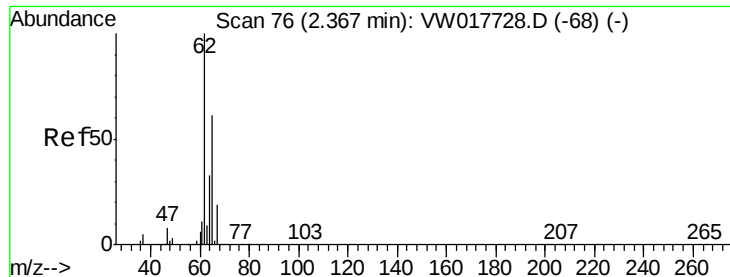
50 100

52 30.5 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.136 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

Instrument :

MSVOA_W

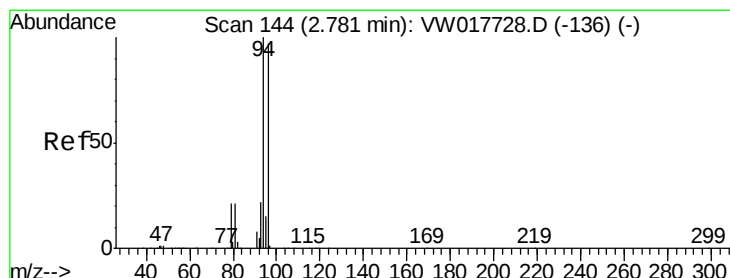
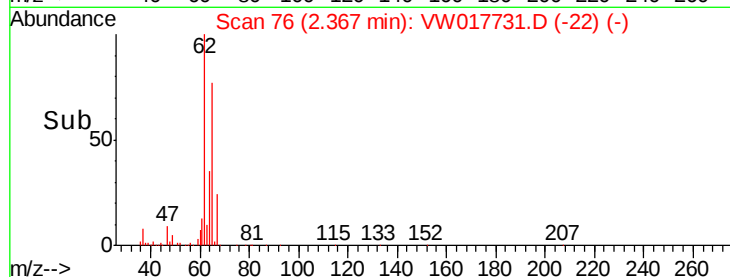
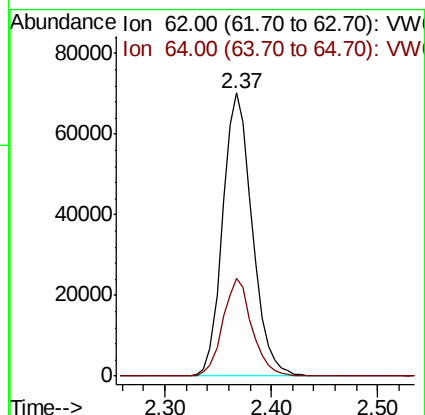
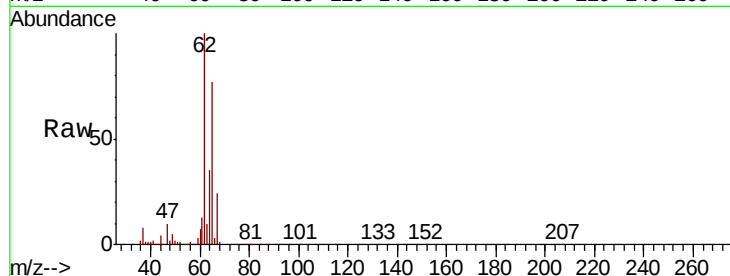
ClientSampled :

Tot Ion: 62 Resp: 135945

Ion Ratio Lower Upper

62 100

64 34.5 23.3 43.3



#6

Bromomethane

Concen: 21.693 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017731.D

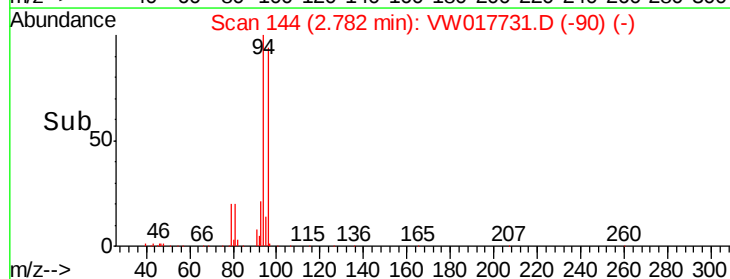
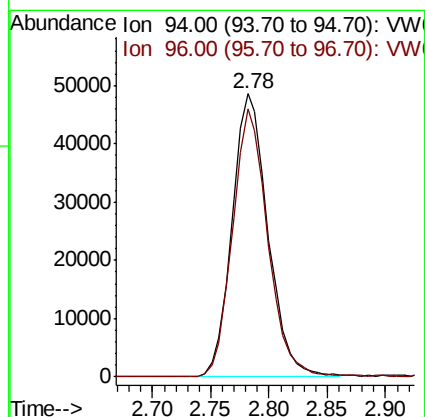
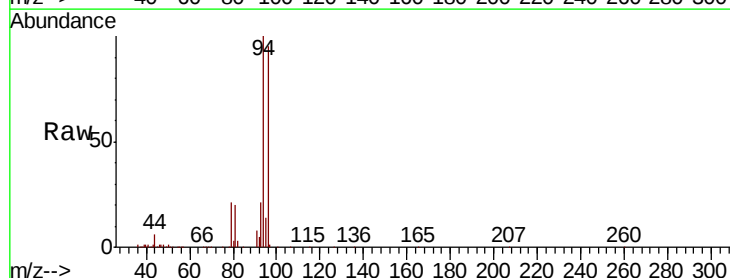
Acq: 24 Dec 2020 12:39

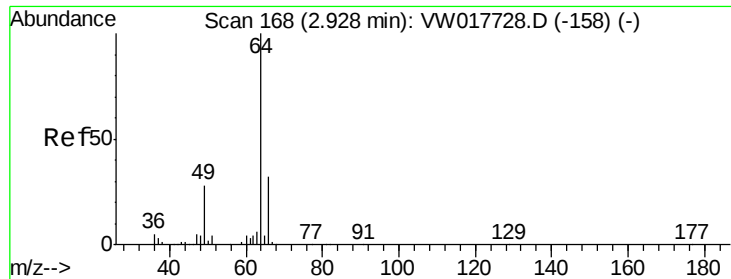
Tgt Ion: 94 Resp: 103464

Ion Ratio Lower Upper

94 100

96 93.5 9.4 178.6

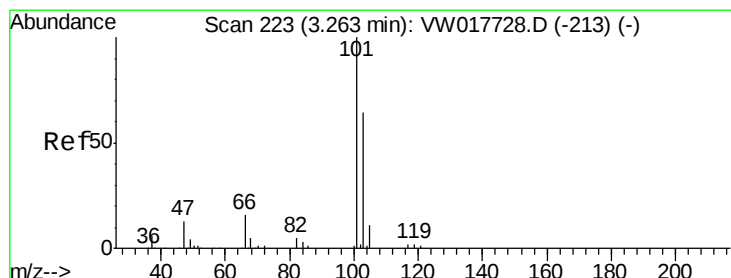
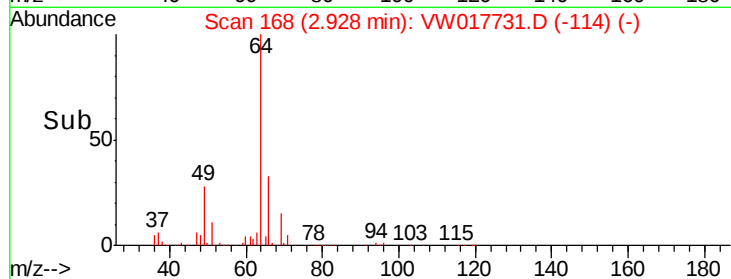
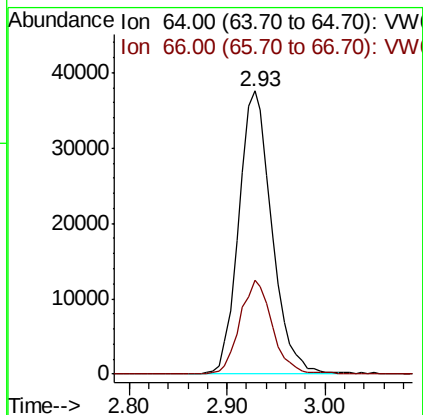
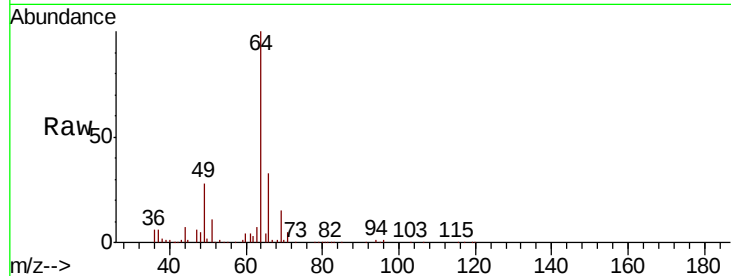




#8
Chloroethane
Concen: 21.893 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

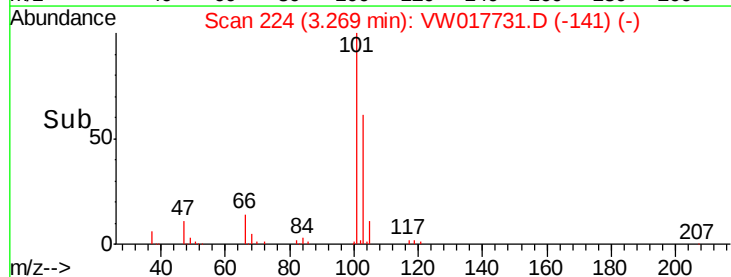
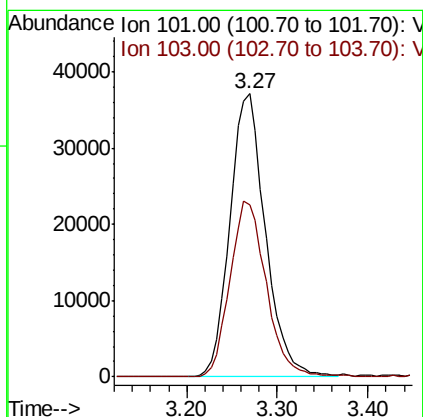
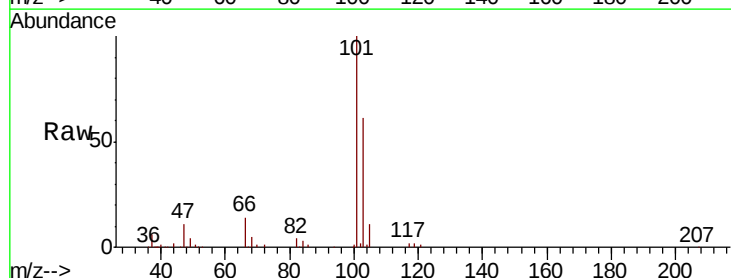
Instrument :
MSVOA_W
ClientSampleId :

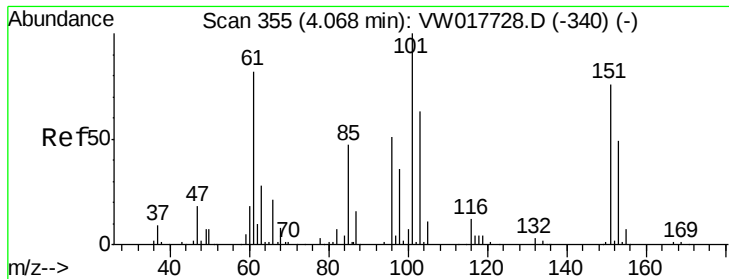
Tot Ion: 64 Resp: 88284
Ion Ratio Lower Upper
64 100
66 33.3 22.3 41.5



#9
Trichlorofluoromethane
Concen: 19.150 ug/L
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Tgt Ion: 101 Resp: 101053
Ion Ratio Lower Upper
101 100
103 62.9 46.0 85.4





#11

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

Concen: 22.165 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017731.D

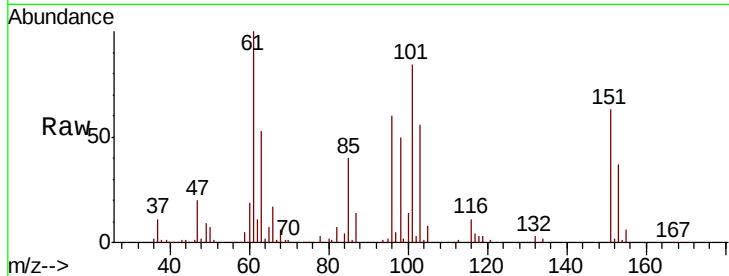
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Instrument :

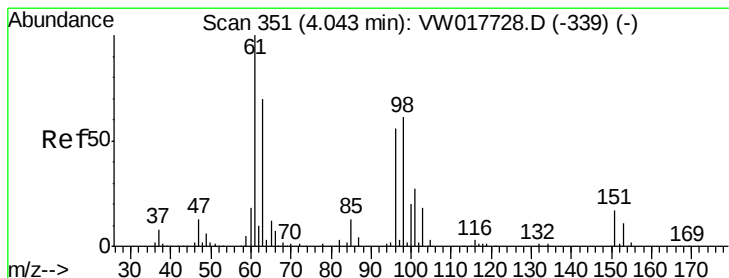
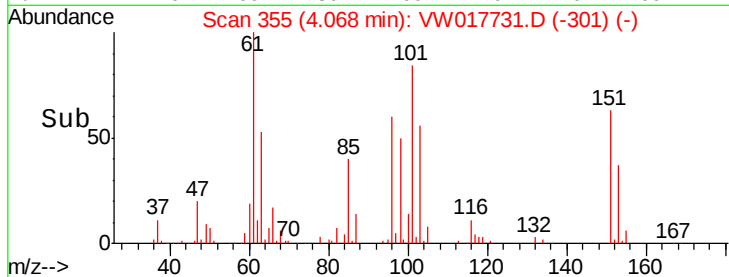
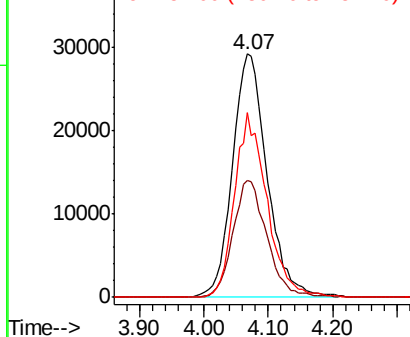
MSVOA_W

ClientSampleId :

Tot Ion:	101	Resp:	109163
Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.7	55.1
151	70.0	57.7	86.5



Abundance Ion 101.00 (100.70 to 101.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): VW



#12

1,1-Dichloroethene

Concen: 22.014 ug/L

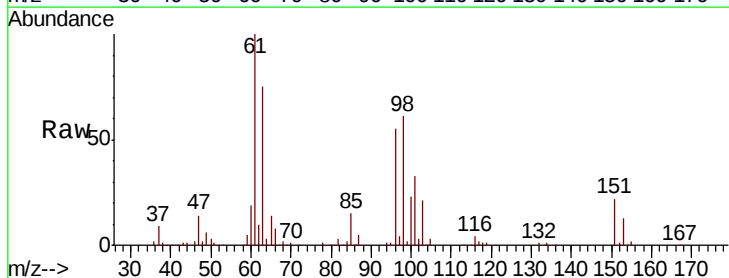
RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

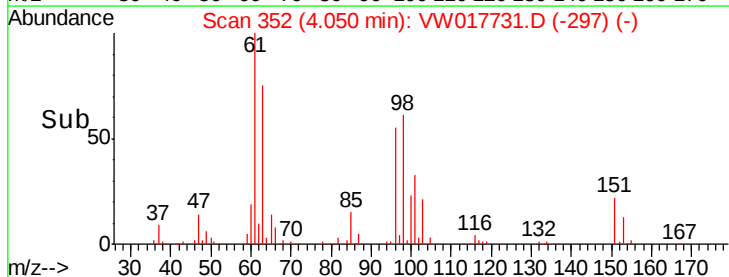
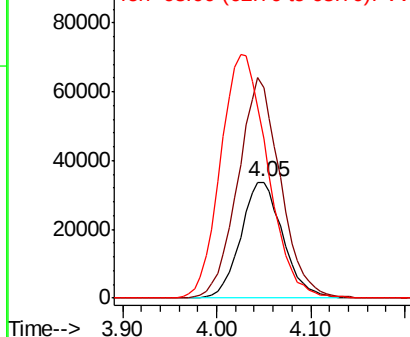
Lab File: VW017731.D

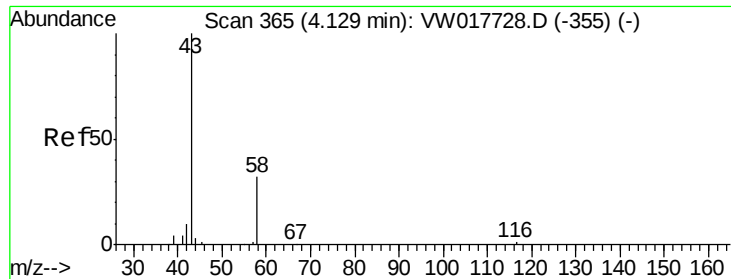
Acq: 24 Dec 2020 12:39

Tgt Ion:	96	Resp:	105106
Ion	Ratio	Lower	Upper
96	100		
61	181.3	126.1	234.1
63	136.8	90.0	167.2



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

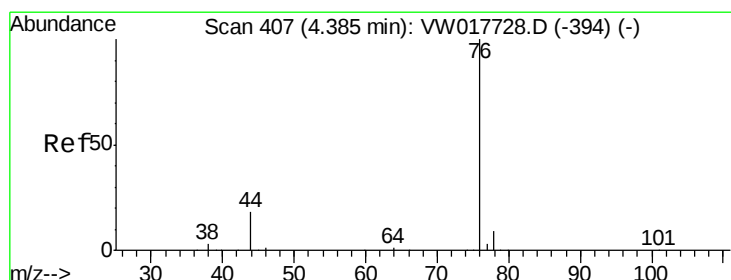
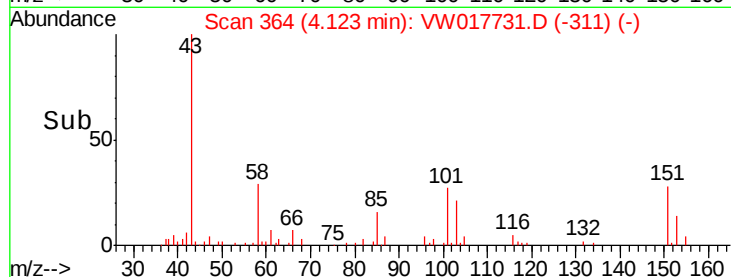
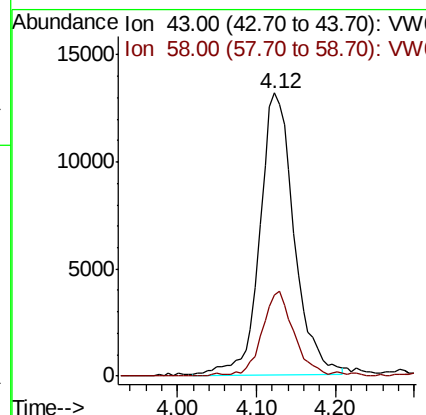
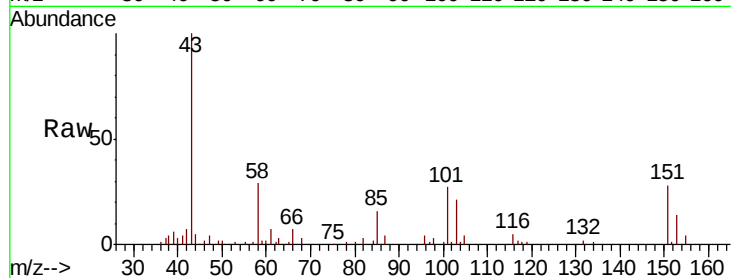




#13
Acetone
Concen: 47.522 ug/L
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

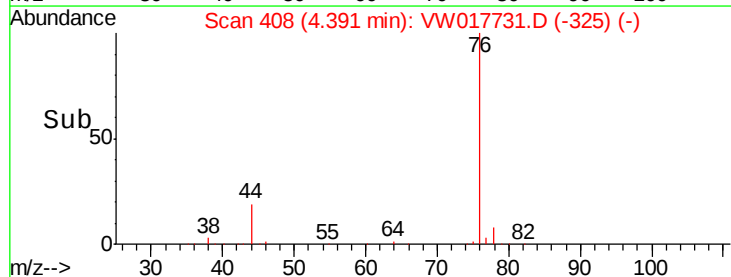
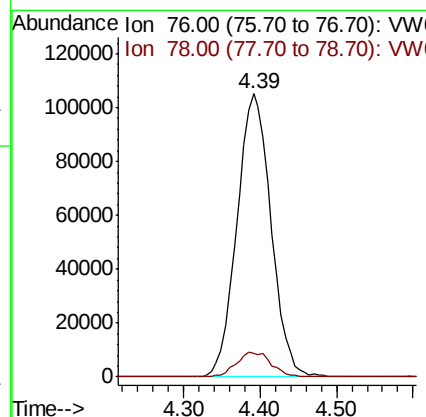
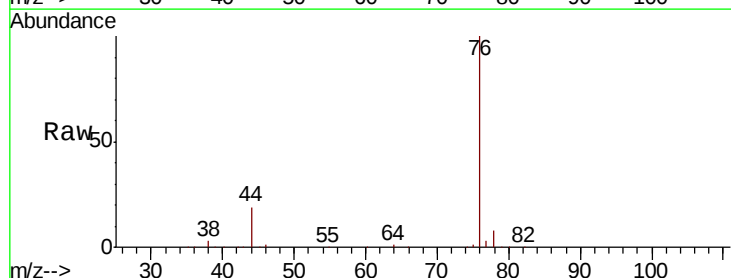
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ClientSampled :

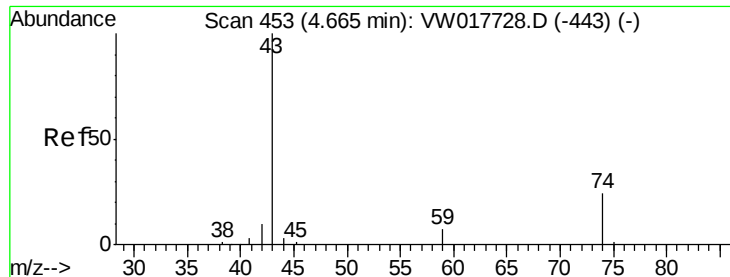
Tot Ion: 43 Resp: 39868
Ion Ratio Lower Upper
43 100
58 27.6 0.0 60.8



#14
Carbon disulfide
Concen: 22.733 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Tgt Ion: 76 Resp: 324105
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

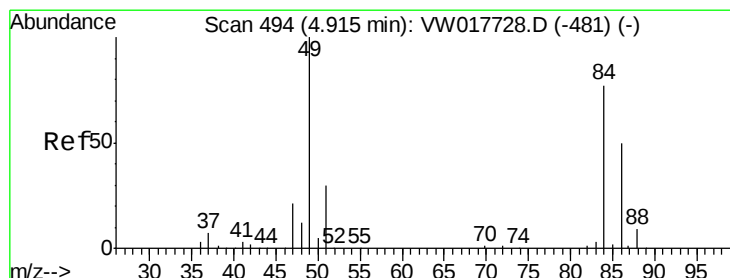
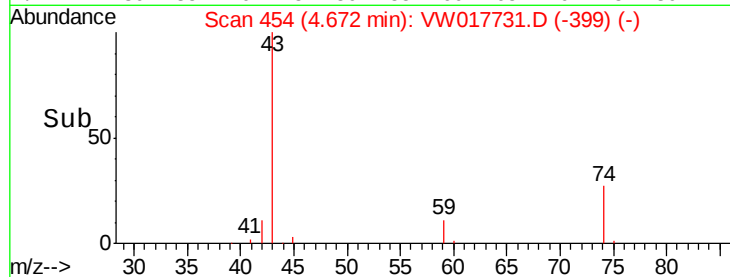
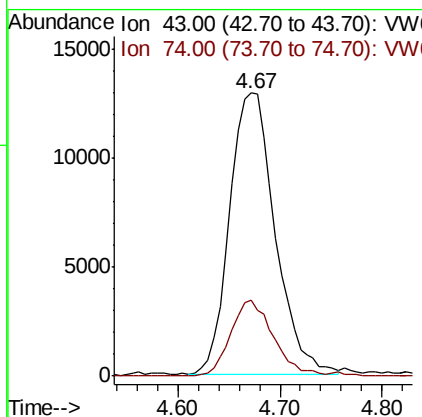
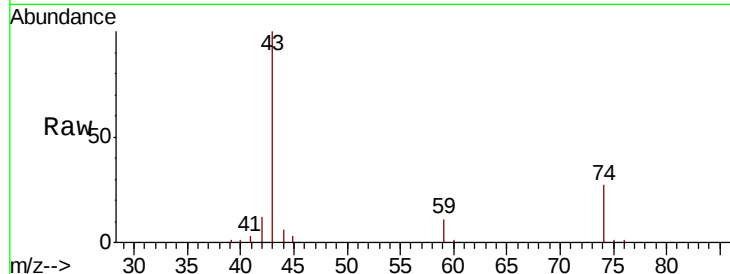




#15
Methvl Acetate
Concen: 24.592 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

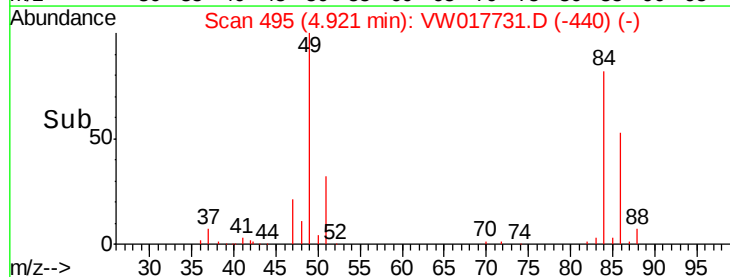
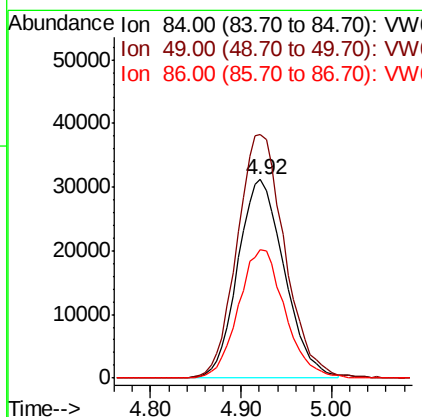
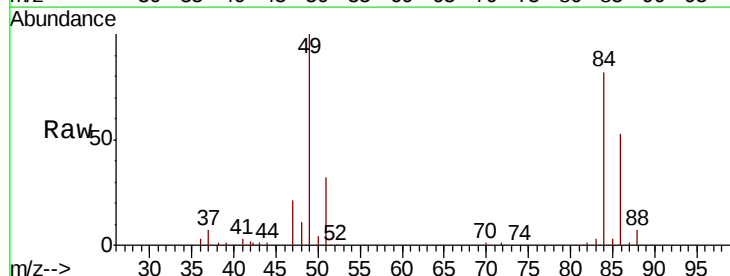
Instrument :
MSVOA_W
ClientSampled :

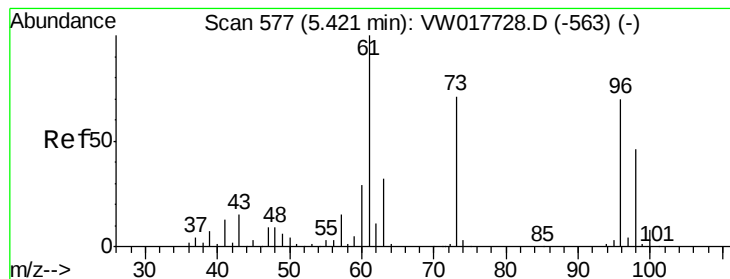
Tot Ion: 43 Resp: 39987
Ion Ratio Lower Upper
43 100
74 24.8 20.2 30.4



#16
Methylene chloride
Concen: 20.052 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Tgt Ion: 84 Resp: 111090
Ion Ratio Lower Upper
84 100
49 122.6 90.5 168.1
86 64.8 44.8 83.2



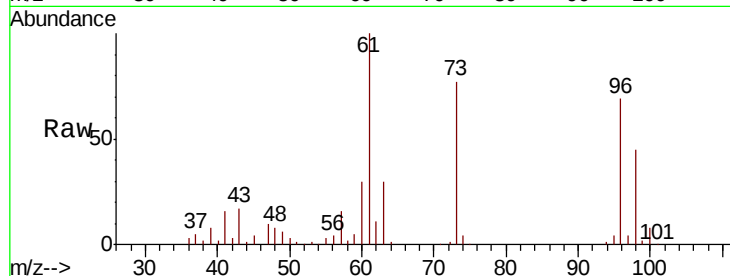


#17

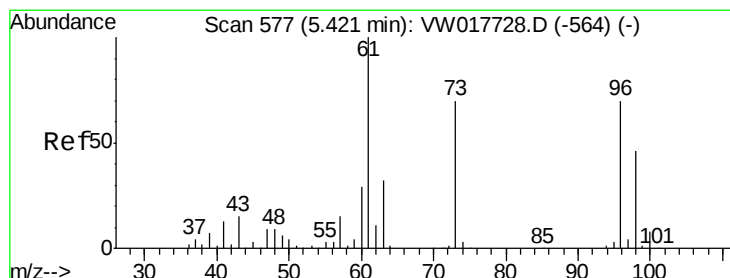
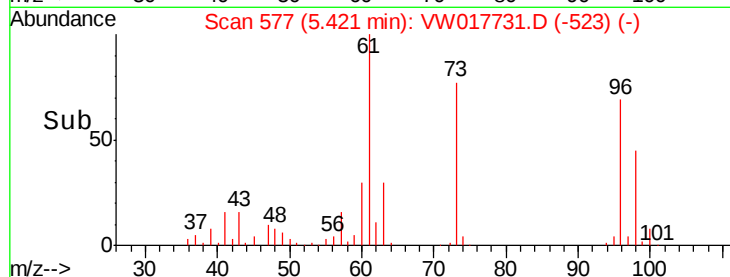
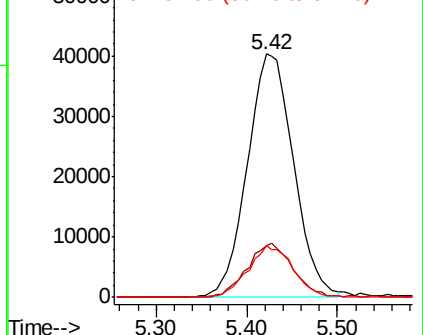
Methvl tert-butvl Ether
 Concen: 23.522 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 142329
 Ion Ratio Lower Upper
 73 100
 43 21.7 17.1 25.7
 57 20.7 16.6 25.0



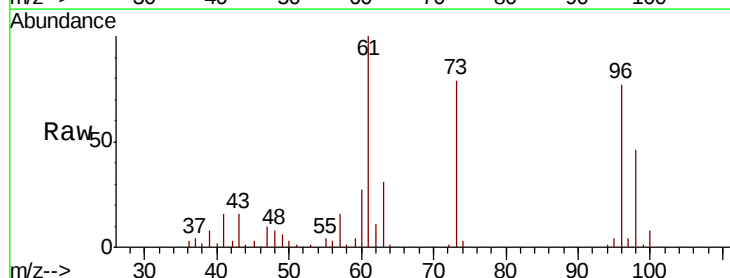
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



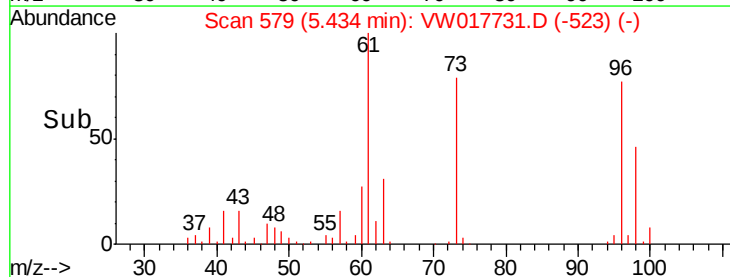
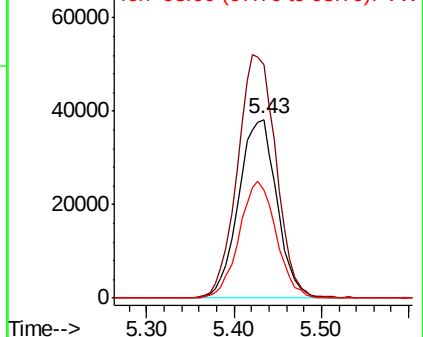
#18

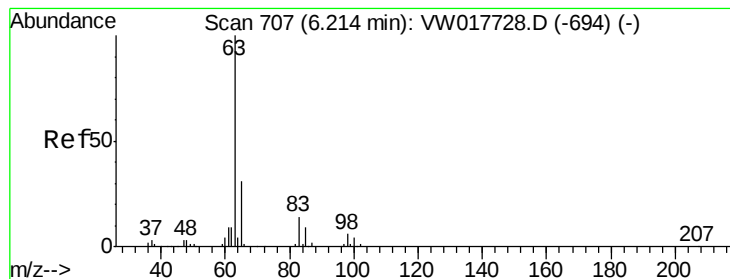
trans-1,2-Dichloroethene
 Concen: 22.658 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

Tgt Ion: 96 Resp: 116687
 Ion Ratio Lower Upper
 96 100
 61 130.3 99.5 184.9
 98 60.5 45.8 85.2



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: 22.696 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

Instrument :

MSVOA_W

ClientSampleId :

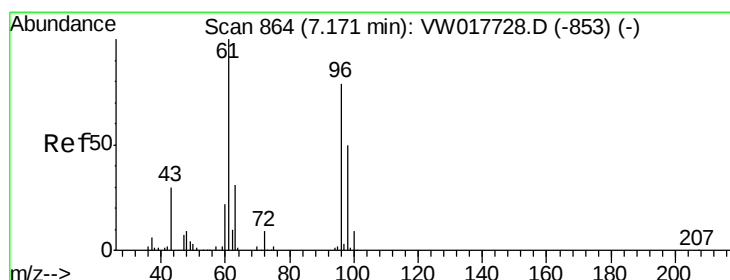
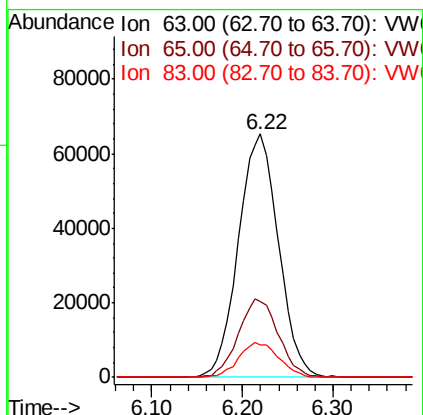
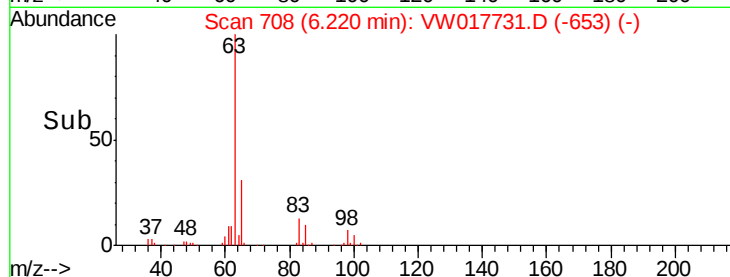
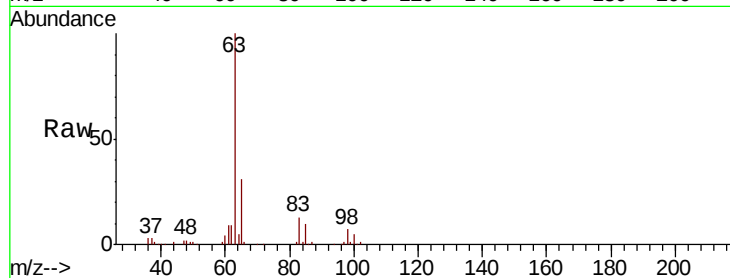
Tot Ion: 63 Resp: 199686

Ion Ratio Lower Upper

63 100

65 31.2 21.9 40.7

83 13.2 10.0 18.6



#21

2-Butanone

Concen: 49.538 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017731.D

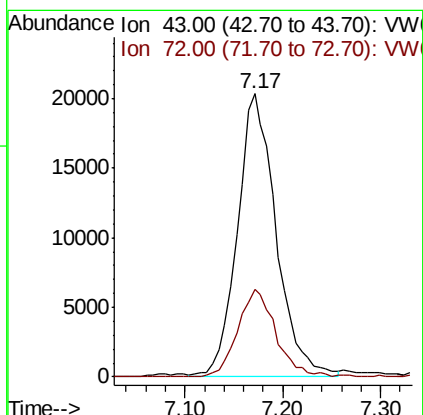
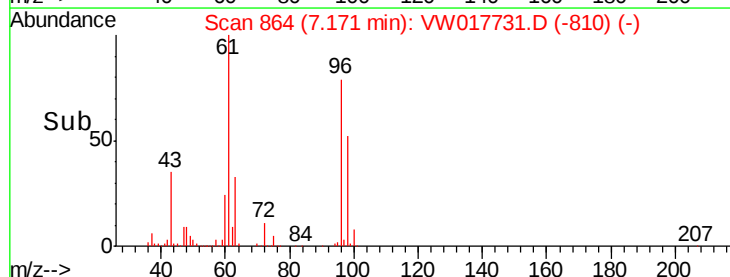
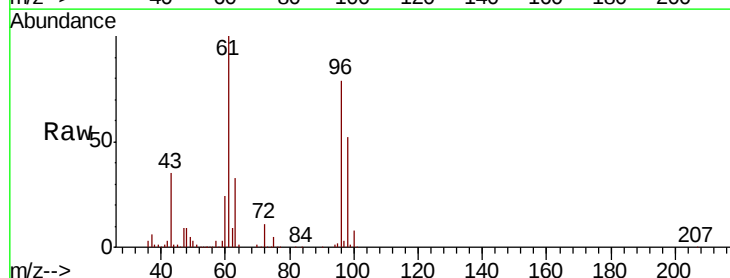
Acq: 24 Dec 2020 12:39

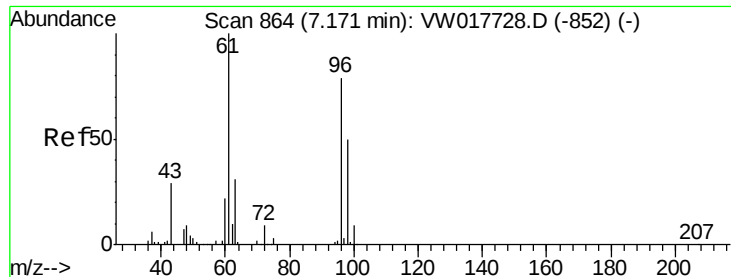
Tgt Ion: 43 Resp: 55901

Ion Ratio Lower Upper

43 100

72 29.7 15.4 46.2



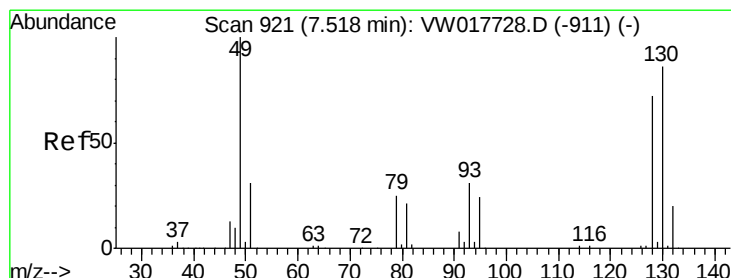
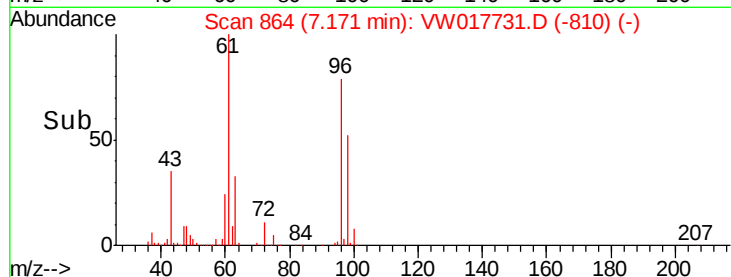
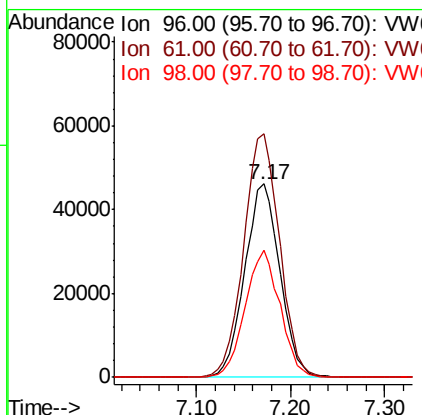
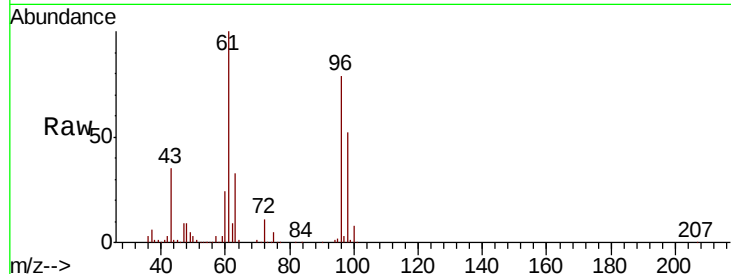


#22

cis-1,2-Dichloroethene
Concen: 22.334 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Instrument :
MSVOA_W
ClientSampleId :

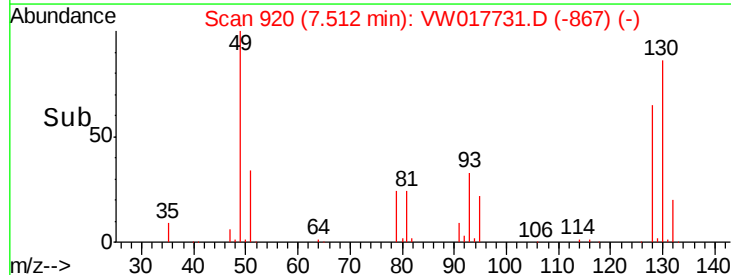
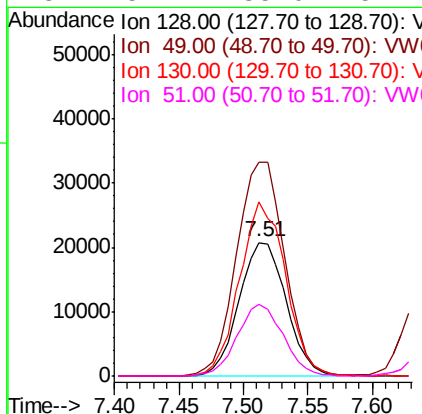
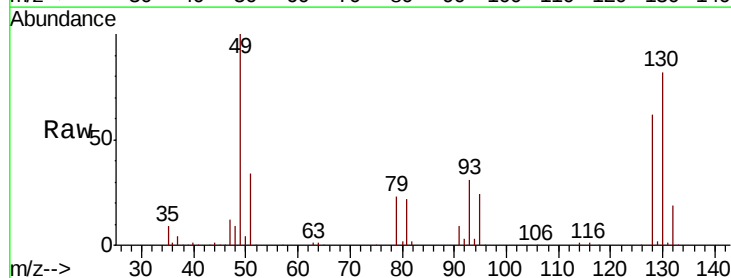
Tot Ion	96	Resp	120860
Ion Ratio	Lower	Upper	
96	100		
61	125.9	88.2	163.8
98	65.5	43.7	81.1

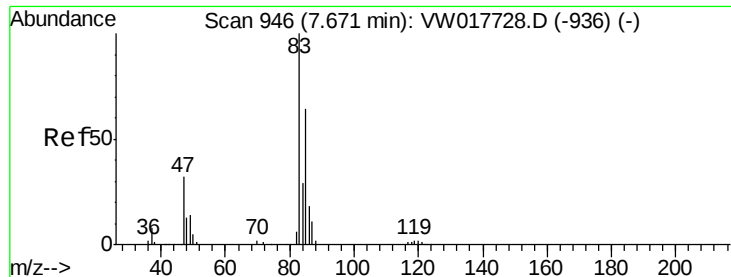


#23

Bromochloromethane
Concen: 22.959 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Tgt Ion	128	Resp	52632
Ion Ratio	Lower	Upper	
128	100		
49	160.4	98.3	182.5
130	131.2	84.4	156.7
51	54.2	35.0	52.4#

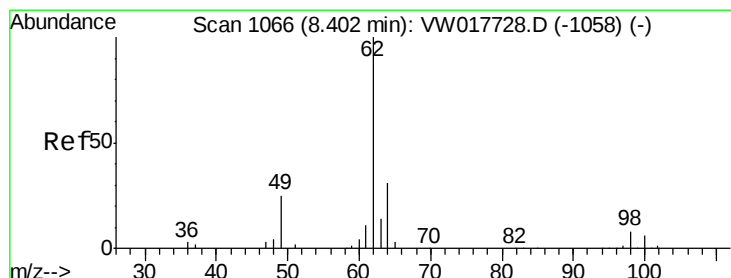
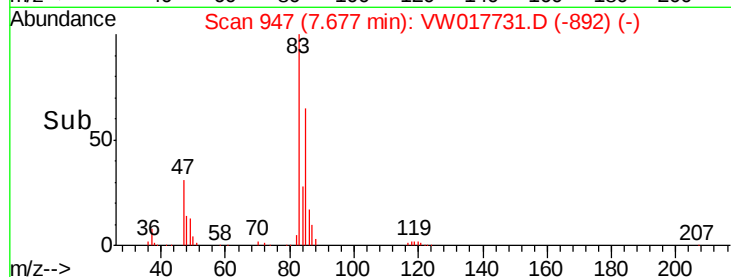
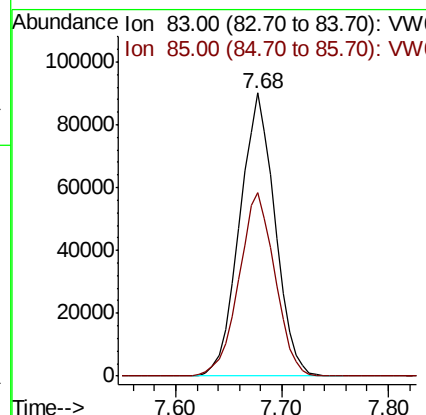
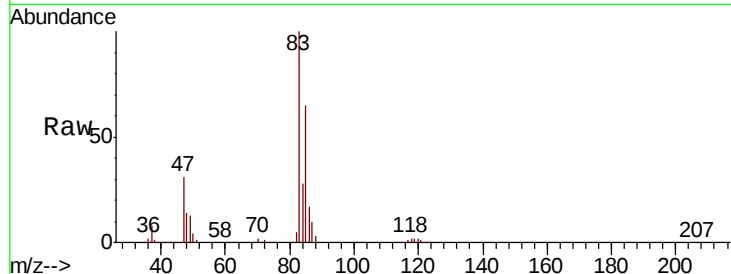




#25
Chloroform
Concen: 22.724 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

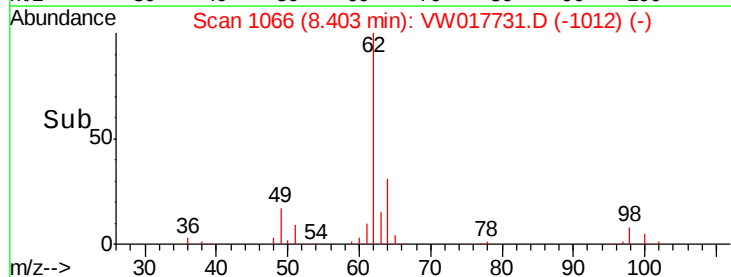
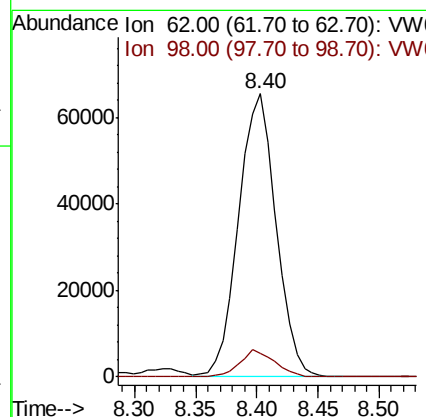
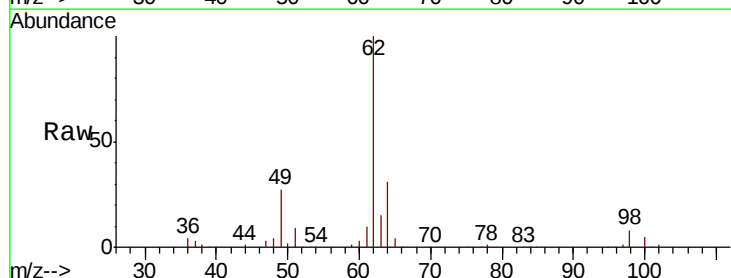
Instrument :
MSVOA_W
ClientSampled :

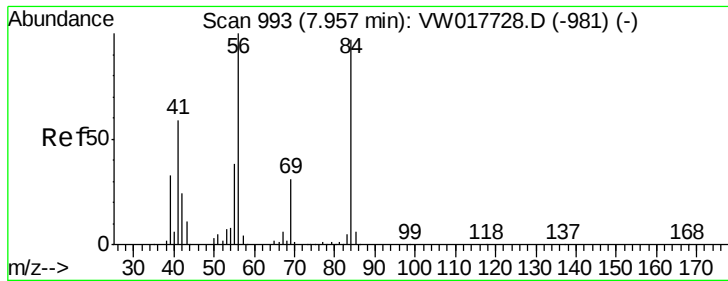
Tot Ion: 83 Resp: 210381
Ion Ratio Lower Upper
83 100
85 66.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 23.348 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Tgt Ion: 62 Resp: 139822
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5

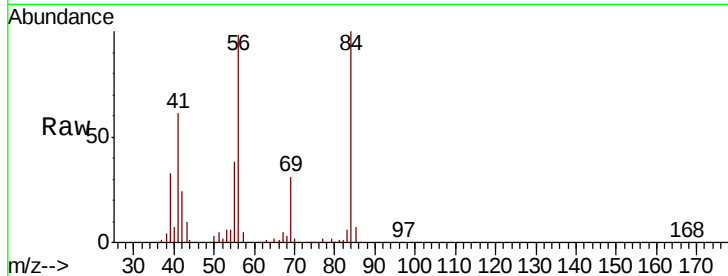




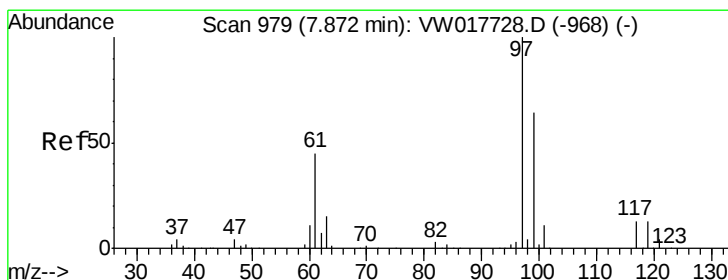
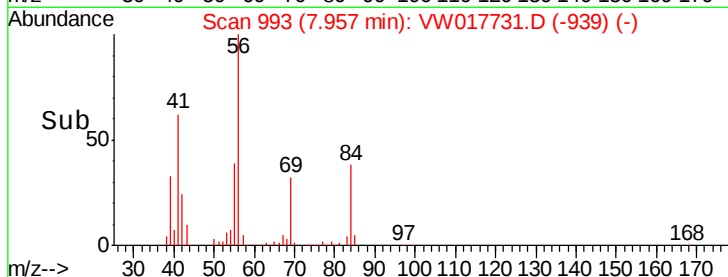
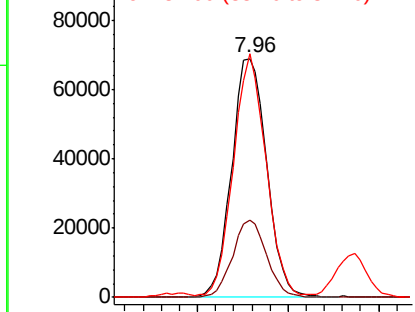
#30
Cyclohexane
Concen: 22.268 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.0	37.4
84	95.2	76.6	115.0

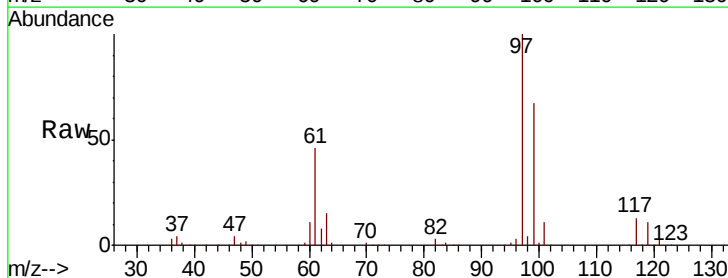


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

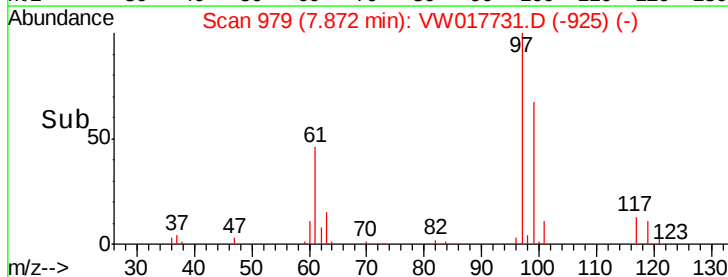
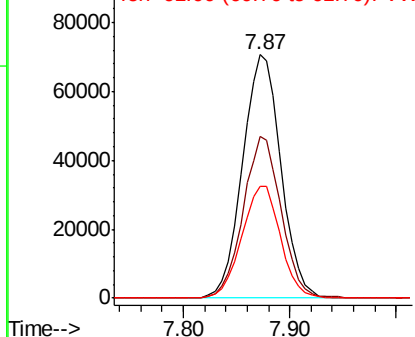


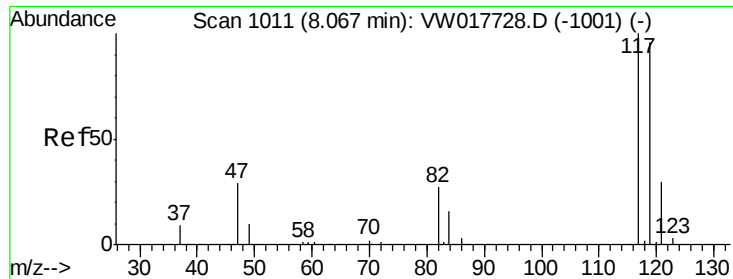
#31
1,1,1-Trichloroethane
Concen: 22.260 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.1	76.7
61	46.3	35.8	53.8



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: 22.494 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

Instrument :

MSVOA_W

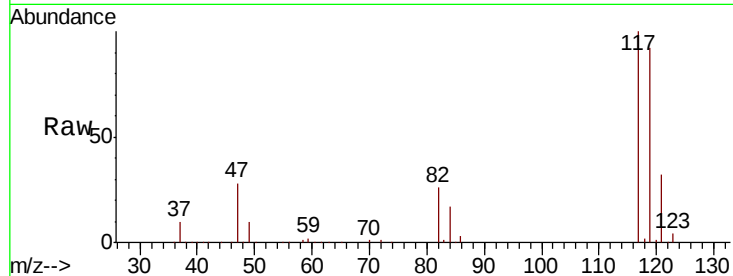
ClientSampleId :

Tot Ion:117 Resp: 170422

Ion Ratio Lower Upper

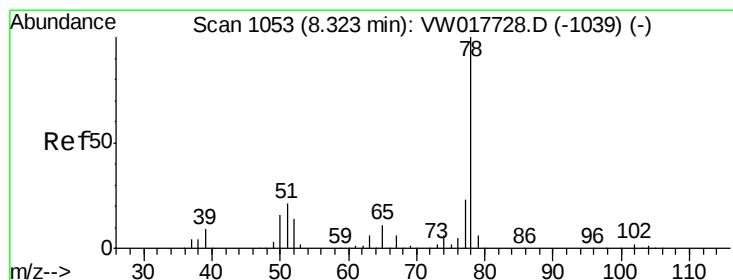
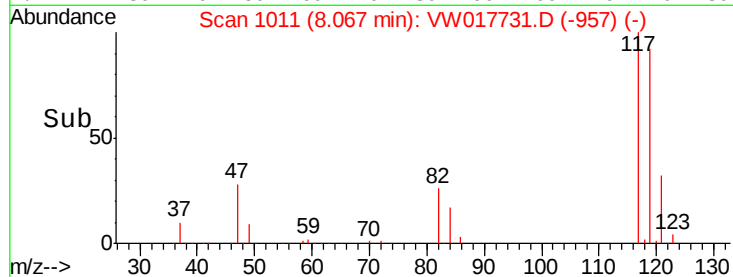
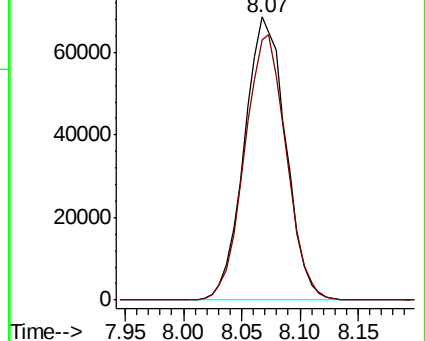
117 100

119 94.2 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.910 ug/L

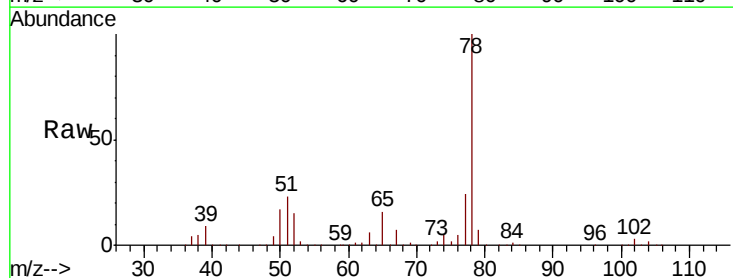
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

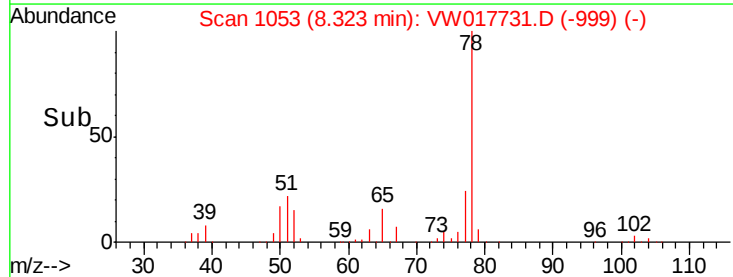
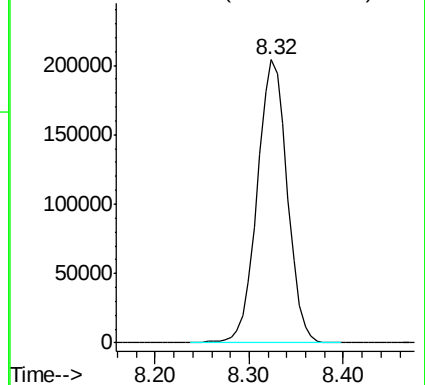
Lab File: VW017731.D

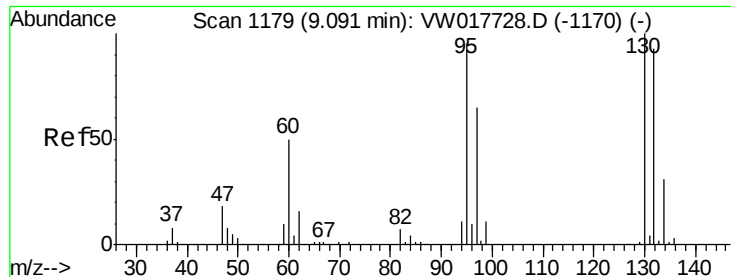
Acq: 24 Dec 2020 12:39

Tgt Ion: 78 Resp: 457308



Abundance Ion 78.00 (77.70 to 78.70): VW

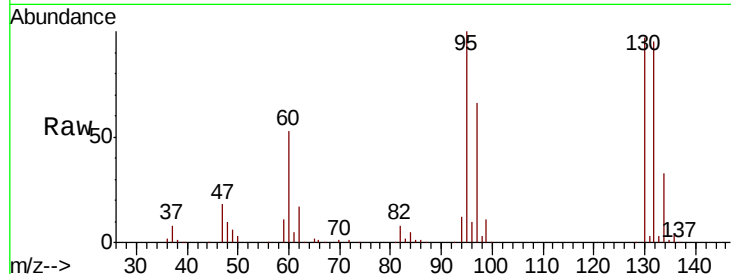




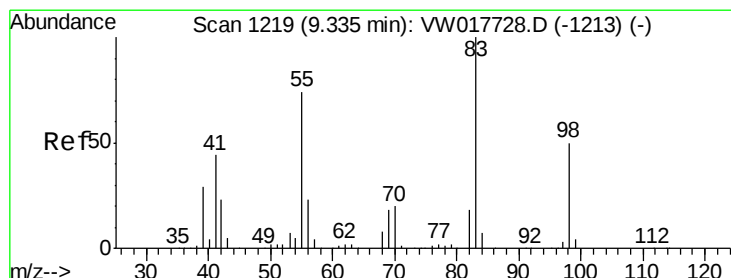
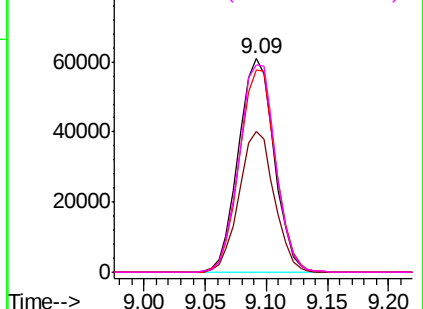
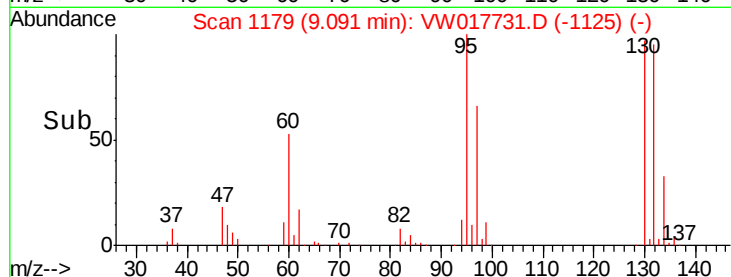
#35
 Trichloroethene
 Concen: 22.427 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	123913
Ion	Ratio	Lower	Upper
95	100		
97	64.8	46.8	87.0
132	96.3	68.3	126.9
130	99.3	71.8	133.4

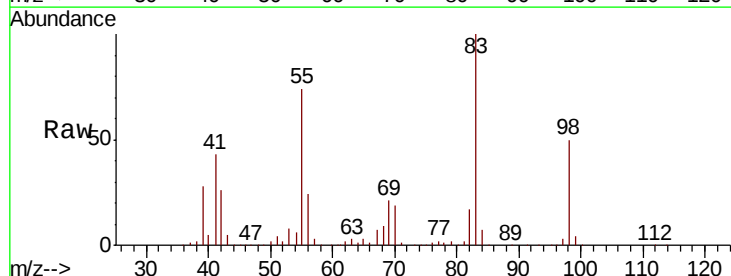


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

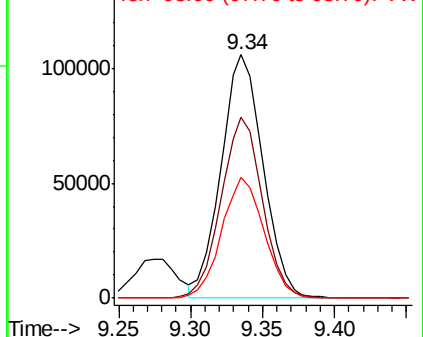
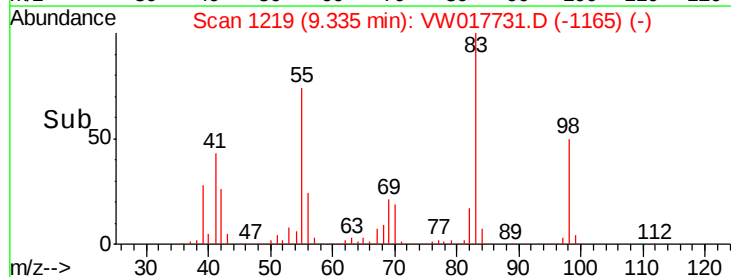


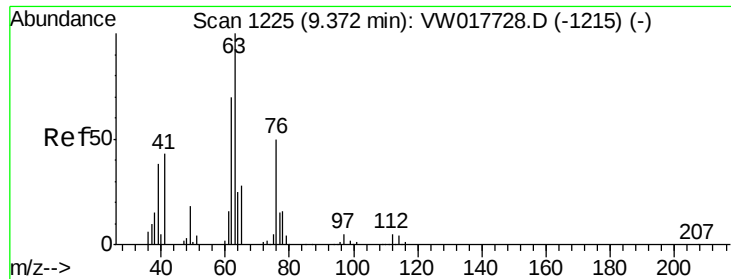
#36
 Methylcyclohexane
 Concen: 22.339 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

Tgt Ion:	83	Resp:	215766
Ion	Ratio	Lower	Upper
83	100		
55	73.1	57.6	86.4
98	50.0	39.7	59.5



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

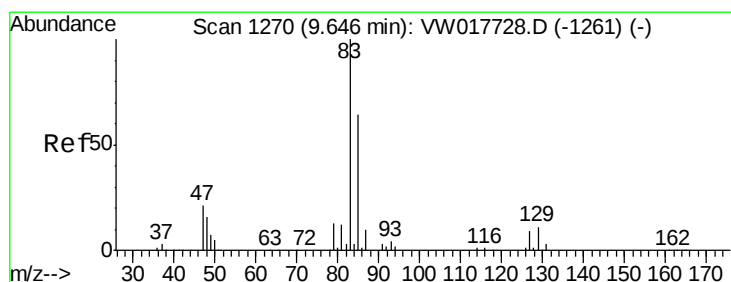
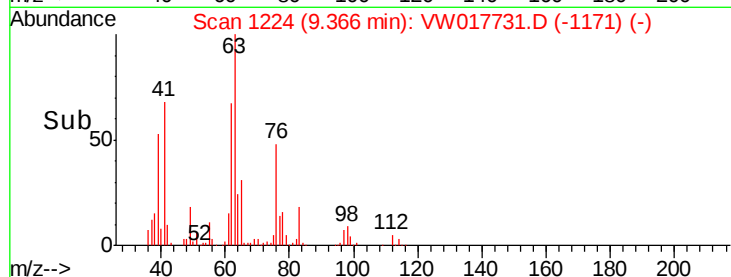
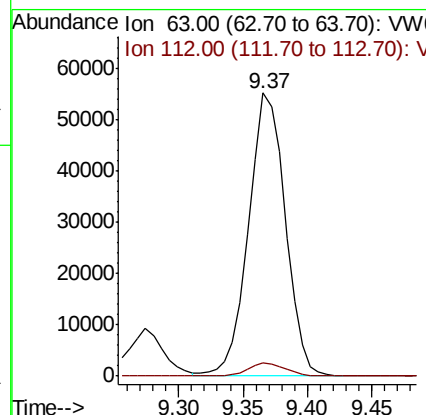
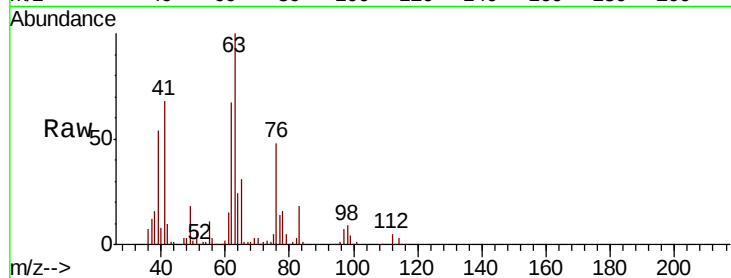




#40
 1,2-Dichloropropane
 Concen: 23.044 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

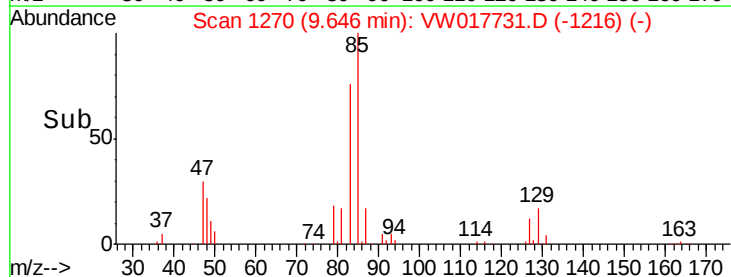
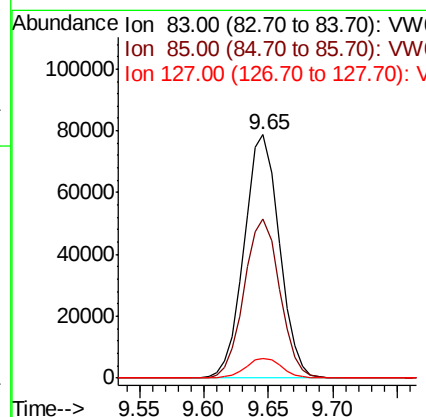
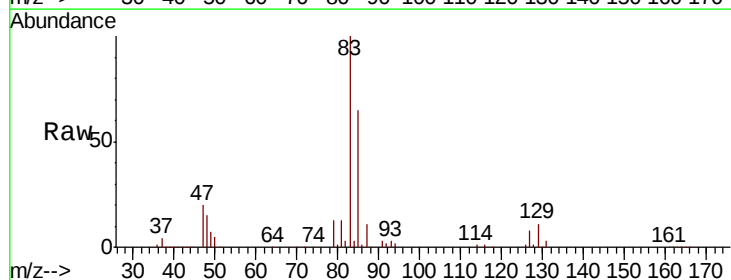
Instrument :
 MSVOA_W
 ClientSampleId :

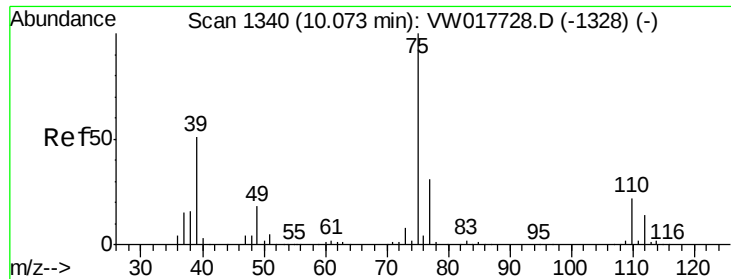
Tot Ion: 63 Resp: 108590
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#41
 Bromodichloromethane
 Concen: 23.108 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

Tgt Ion: 83 Resp: 149055
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.5 82.7
 127 7.8 6.9 10.3

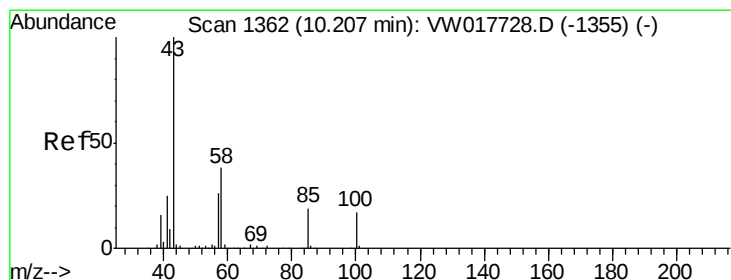
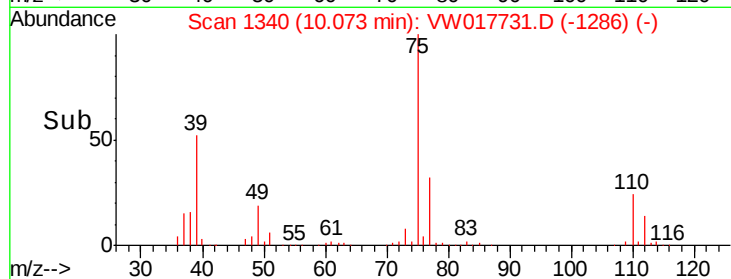
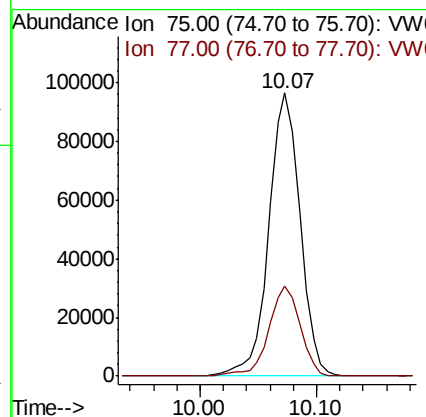
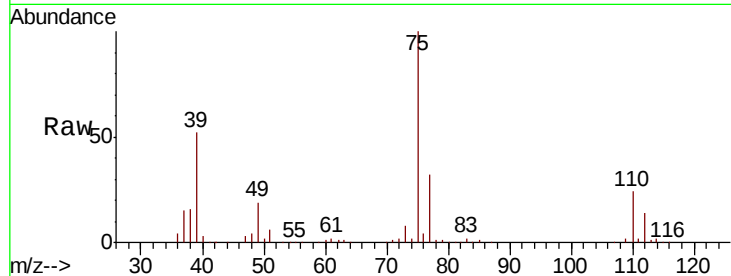




#42
 cis-1,3-Dichloropropene
 Concen: 23.815 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

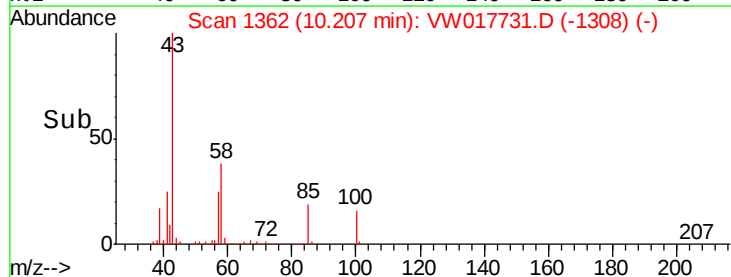
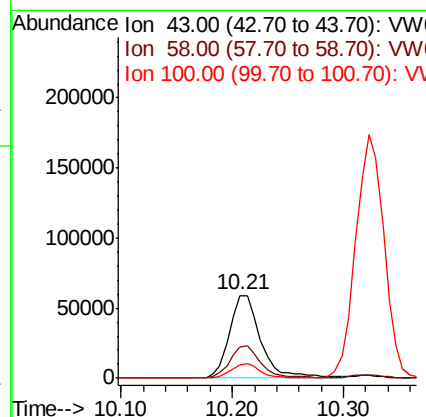
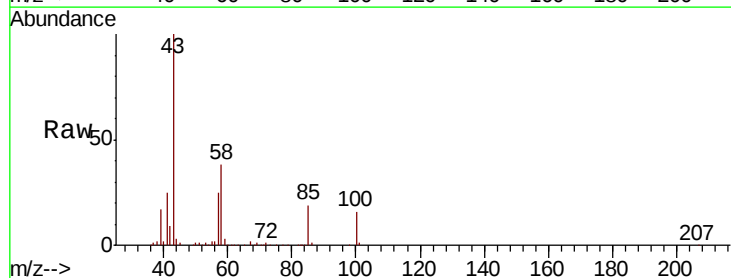
Instrument :
 MSVOA_W
 ClientSampled :

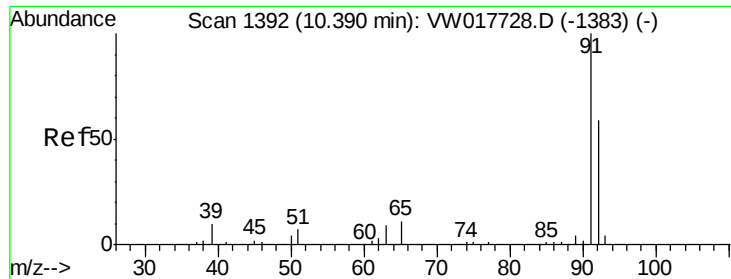
Tot Ion: 75 Resp: 179082
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 50.215 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

Tgt Ion: 43 Resp: 114961
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.0 46.4
 100 16.7 13.5 20.3





#44

Toluene

Concen: 22.345 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

Instrument :

MSVOA_W

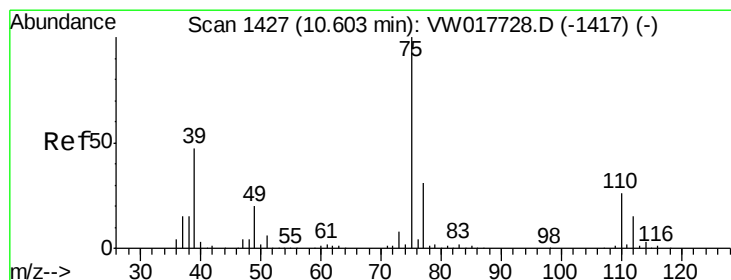
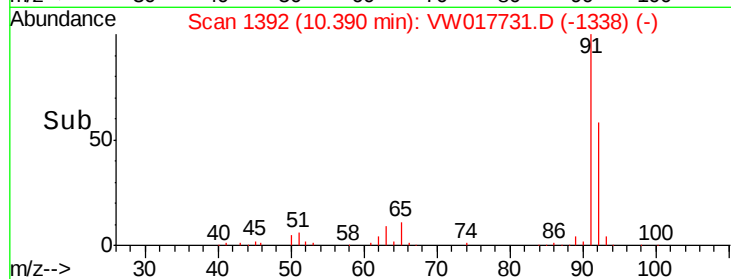
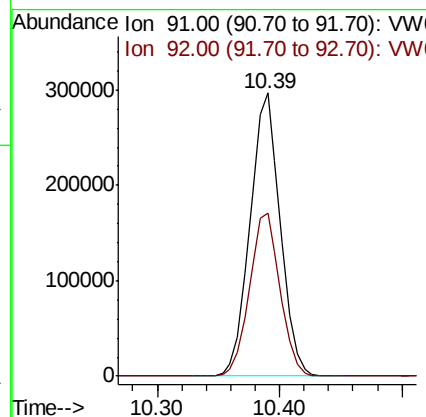
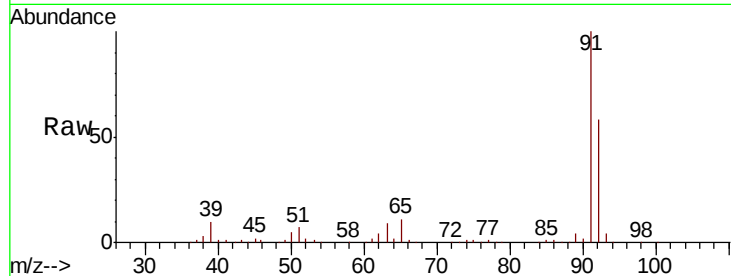
ClientSampleId :

Tot Ion: 91 Resp: 508611

Ion Ratio Lower Upper

91 100

92 57.8 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 24.000 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017731.D

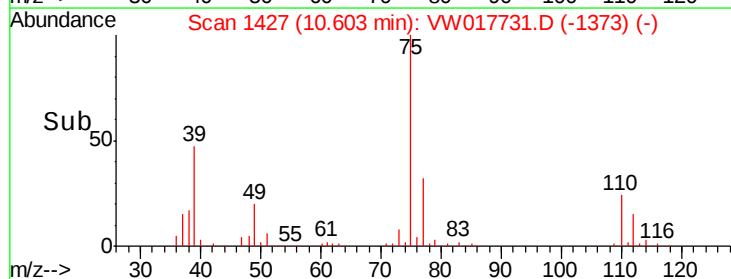
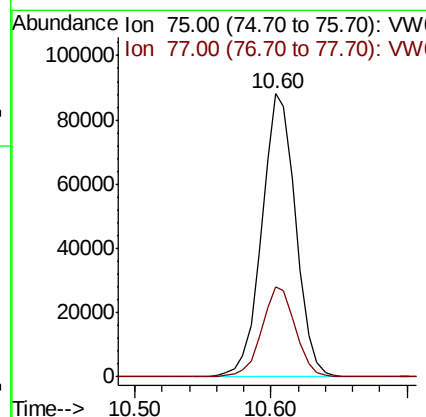
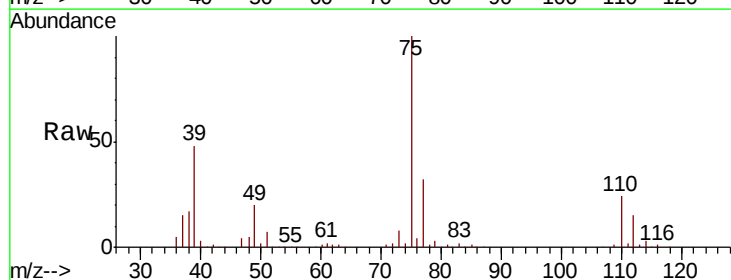
Acq: 24 Dec 2020 12:39

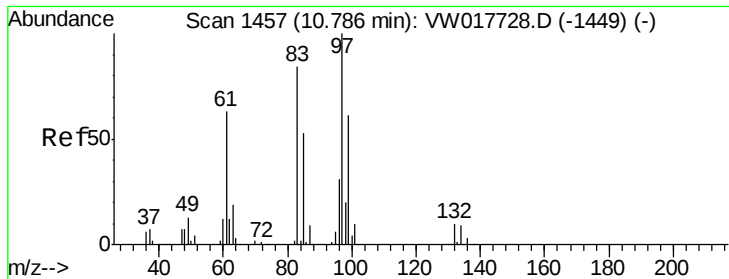
Tgt Ion: 75 Resp: 153685

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 23.489 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 82273

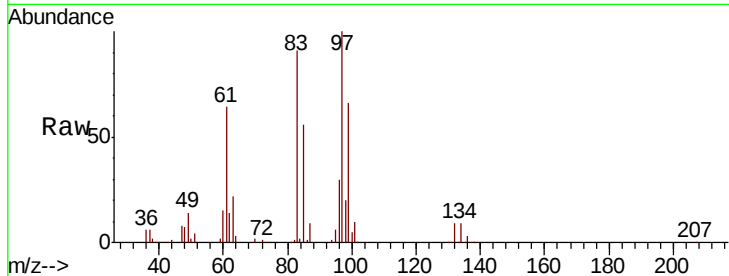
Ion Ratio Lower Upper

97 100

83 90.7 58.9 109.5

85 56.5 37.1 68.9

99 65.8 42.7 79.3



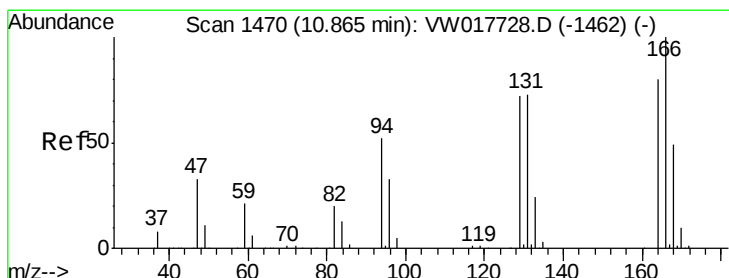
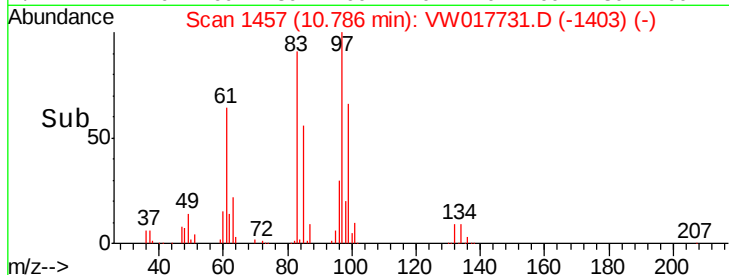
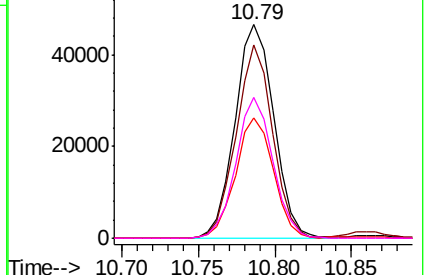
Abundance

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: 22.651 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

Tgt Ion: 164 Resp: 97849

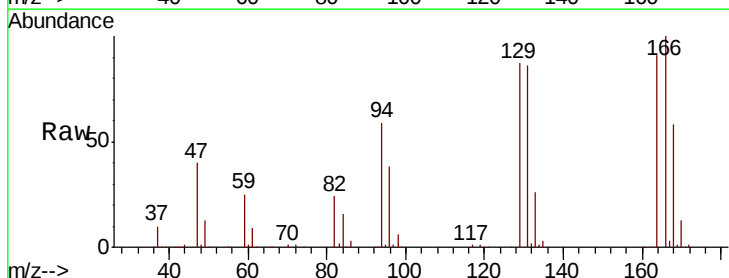
Ion Ratio Lower Upper

164 100

129 95.4 62.9 116.9

131 93.8 63.8 118.6

166 109.7 87.4 162.2



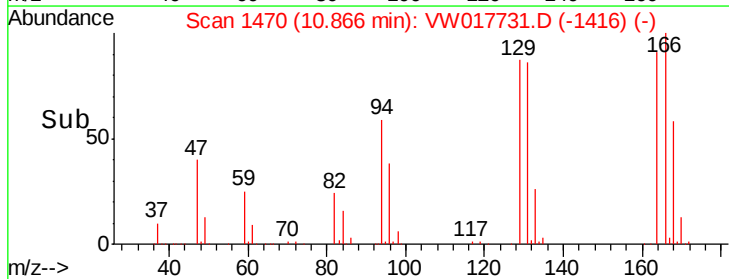
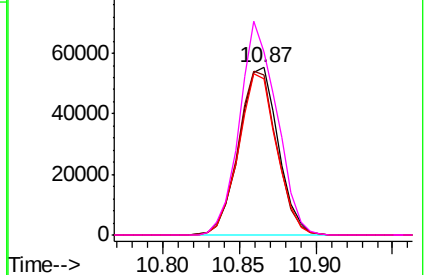
Abundance

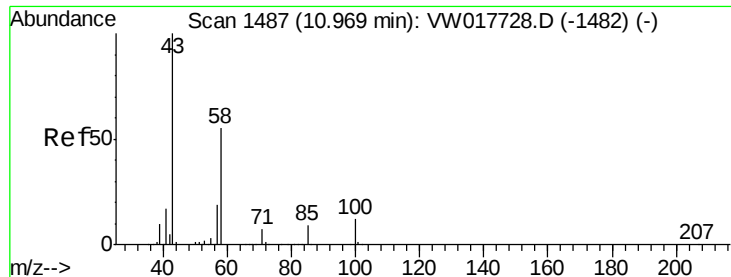
Ion 164.00 (163.70 to 164.70): V

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

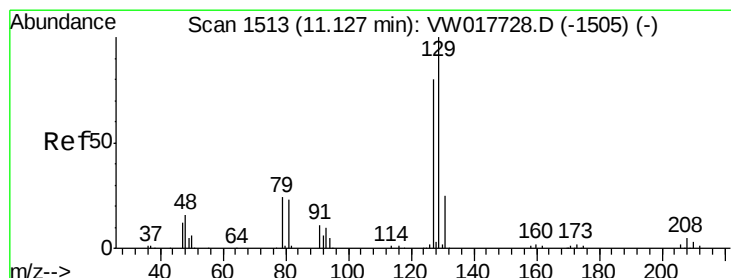
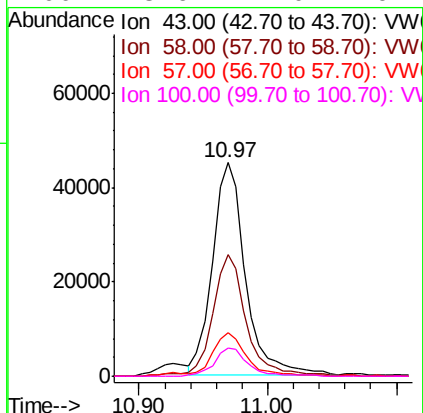
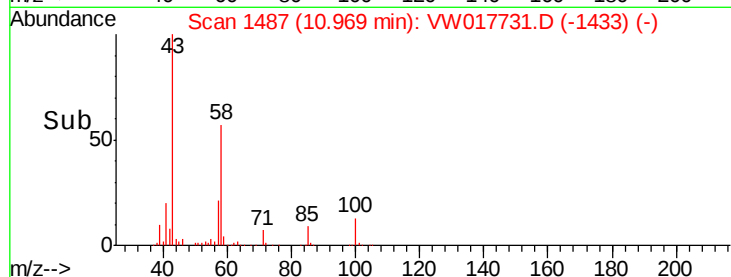
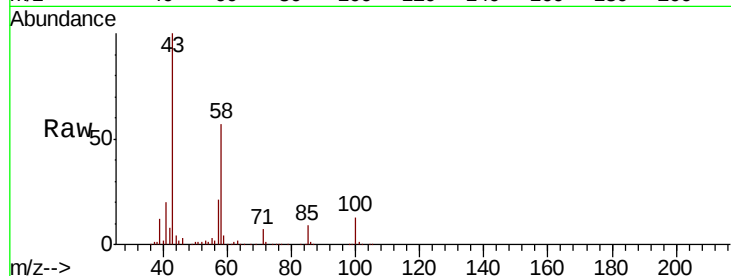




#49
2-Hexanone
Concen: 49.621 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

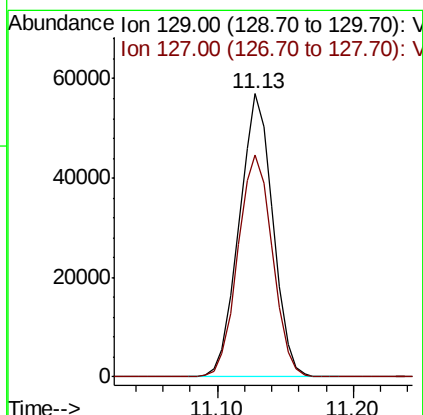
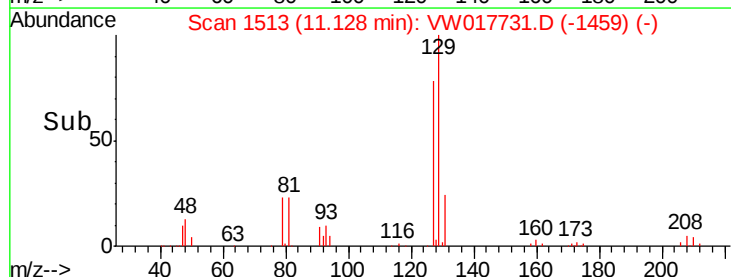
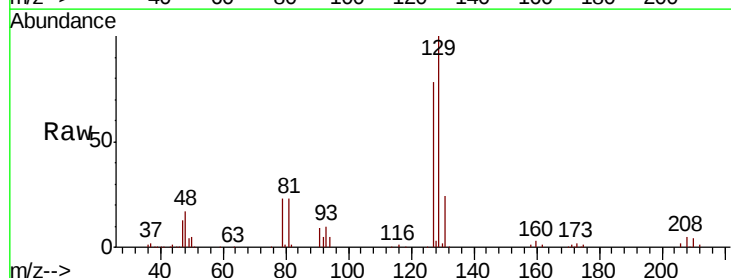
Instrument :
MSVOA_W
ClientSampleId :

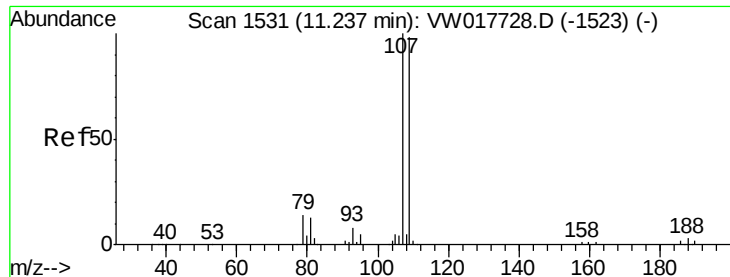
Tot Ion:	43	Resp:	80600
Ion	Ratio	Lower	Upper
43	100		
58	58.4	44.2	66.4
57	21.0	16.1	24.1
100	13.6	11.0	16.4



#50
Dibromochloromethane
Concen: 23.704 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Tgt Ion:	129	Resp:	98571
Ion	Ratio	Lower	Upper
129	100		
127	78.2	56.1	104.3

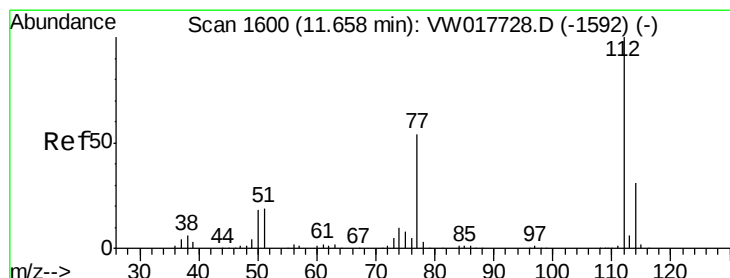
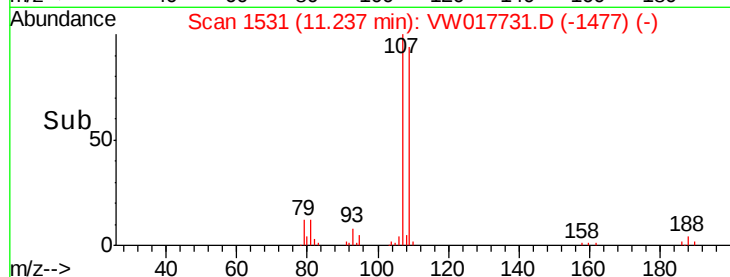
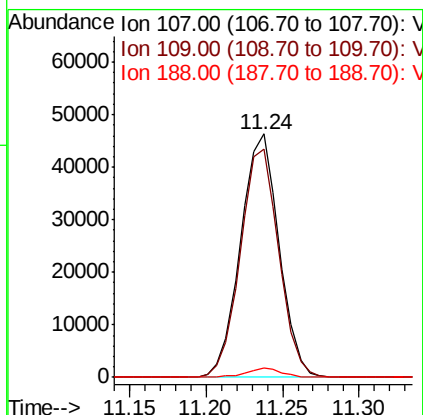
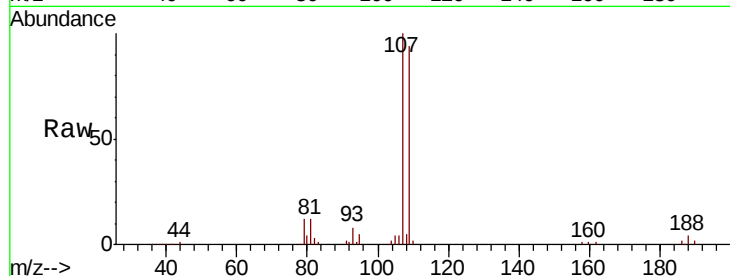




#51
1,2-Dibromoethane
Concen: 24.438 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

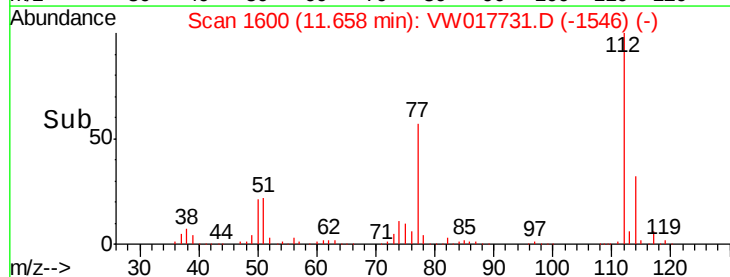
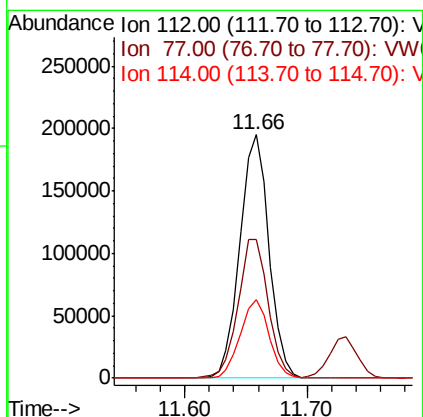
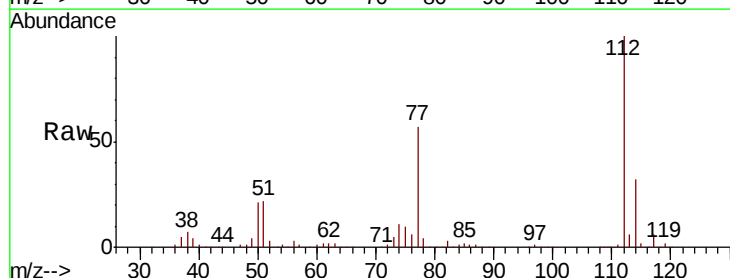
Instrument :
MSVOA_W
ClientSampleId :

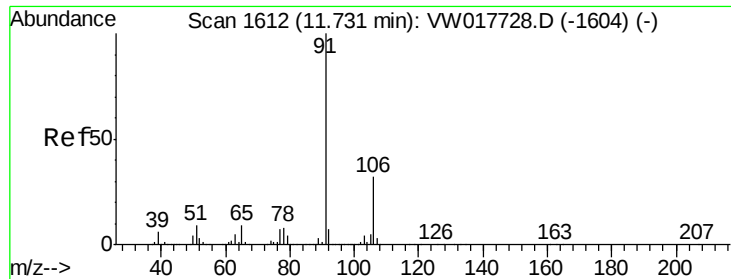
Tot Ion:107 Resp: 81036
Ion Ratio Lower Upper
107 100
109 94.0 68.5 127.1
188 3.8 2.7 4.1



#52
Chlorobenzene
Concen: 22.589 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Tgt Ion:112 Resp: 320975
Ion Ratio Lower Upper
112 100
77 56.8 43.4 65.2
114 32.1 21.6 40.2

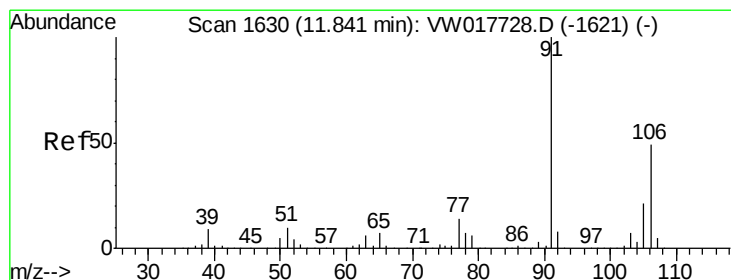
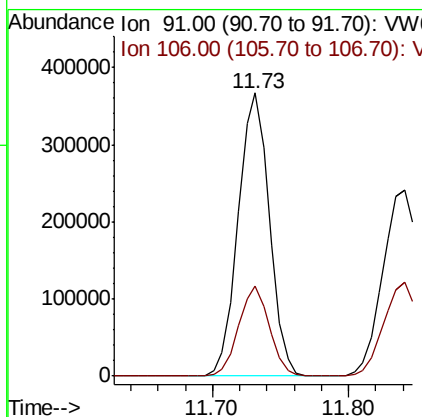
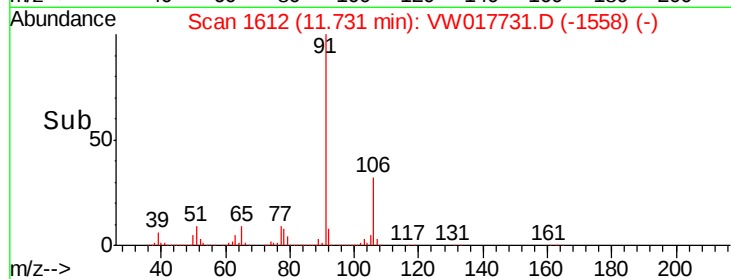
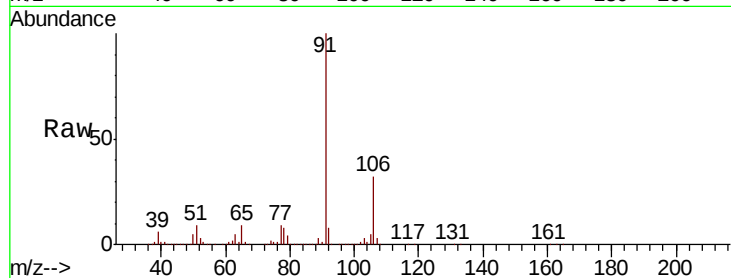




#53
Ethylbenzene
Concen: 22.760 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

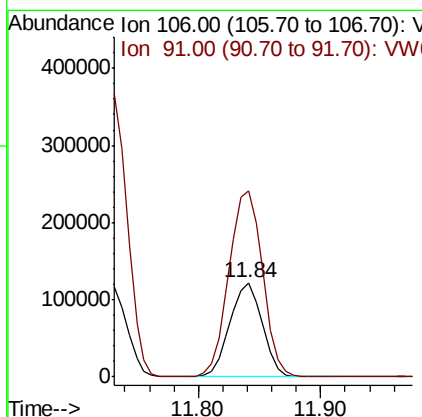
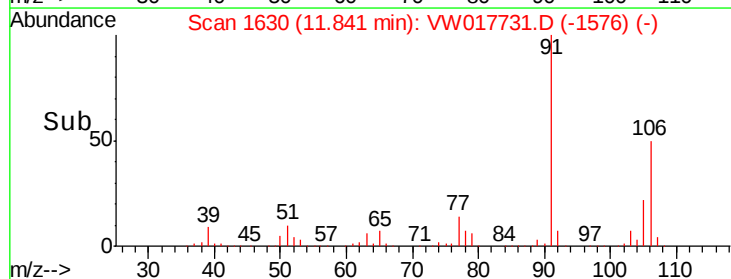
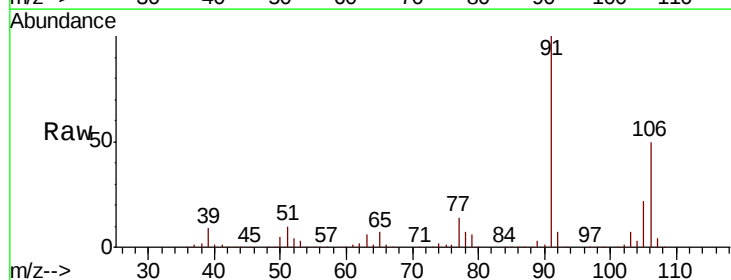
Instrument :
MSVOA_W
ClientSampled :

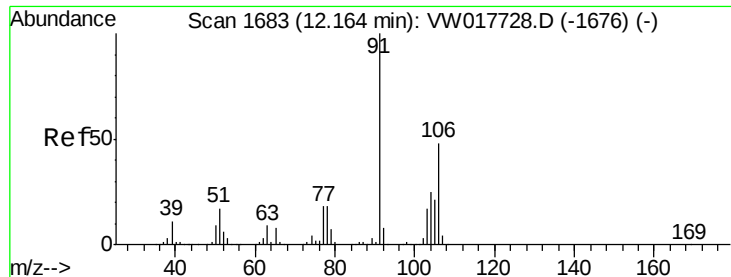
Tot Ion: 91 Resp: 587806
Ion Ratio Lower Upper
91 100
106 31.8 22.0 41.0



#54
m,p-Xylene
Concen: 22.138 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Tgt Ion: 106 Resp: 223653
Ion Ratio Lower Upper
106 100
91 198.2 141.6 263.0

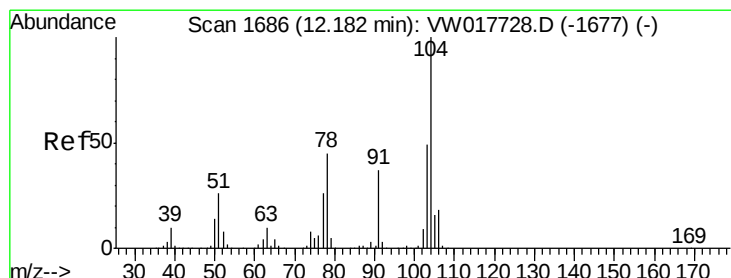
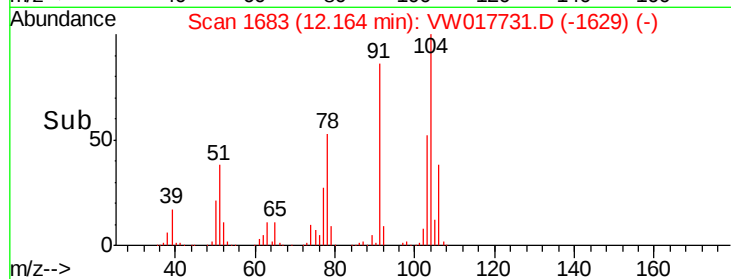
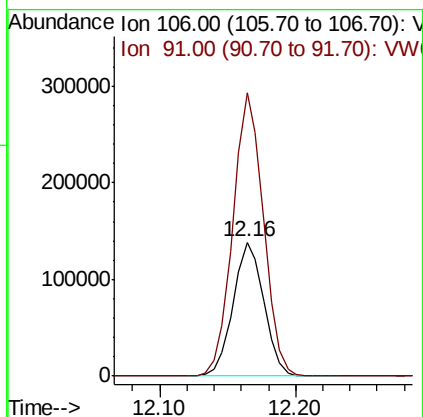
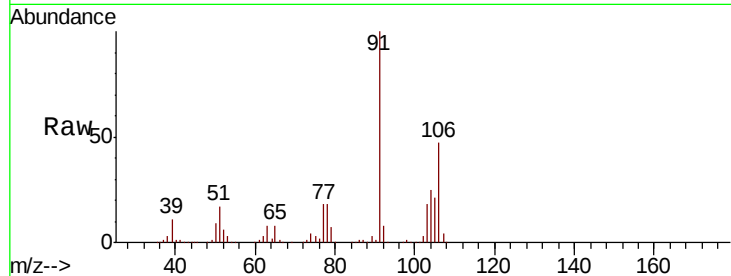




#55
o-xylene
Concen: 22.863 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

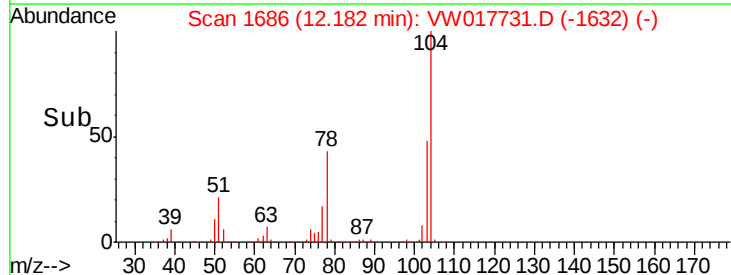
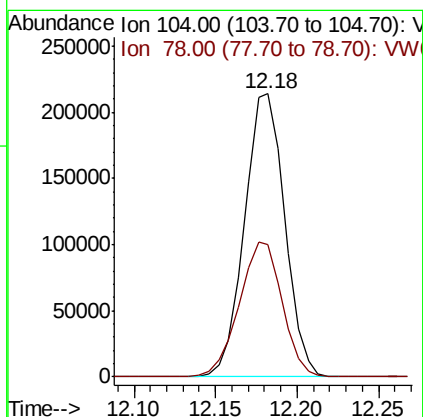
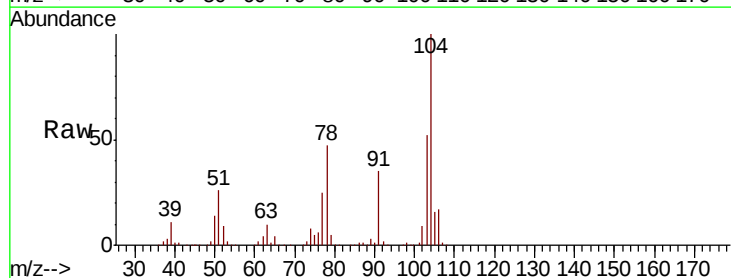
Instrument :
MSVOA_W
ClientSampled :

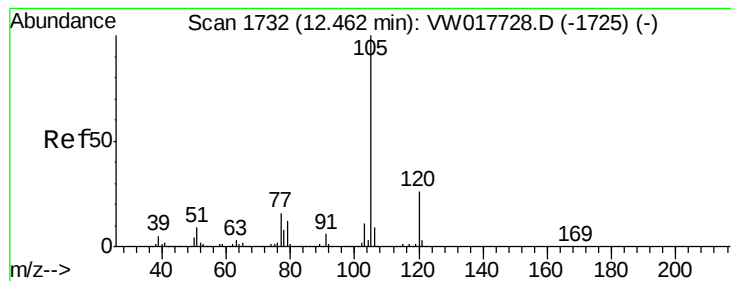
Tot Ion:106 Resp: 217229
Ion Ratio Lower Upper
106 100
91 211.3 145.7 270.7



#56
Styrene
Concen: 23.222 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017731.D
Acq: 24 Dec 2020 12:39

Tgt Ion:104 Resp: 367001
Ion Ratio Lower Upper
104 100
78 46.6 31.6 58.8





#57

Isopropylbenzene

Concen: 22.696 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

Instrument :

MSVOA_W

ClientSampleId :

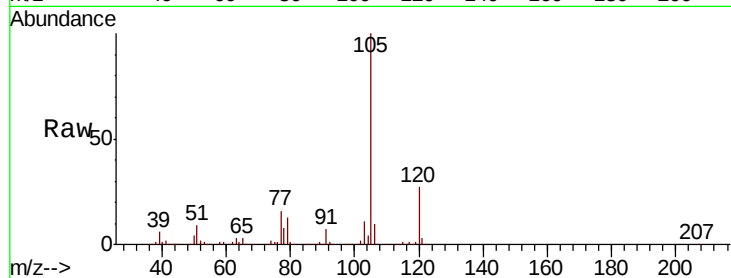
Tot Ion:105 Resp: 596993

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

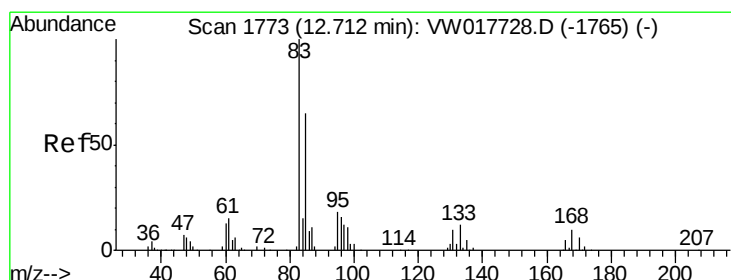
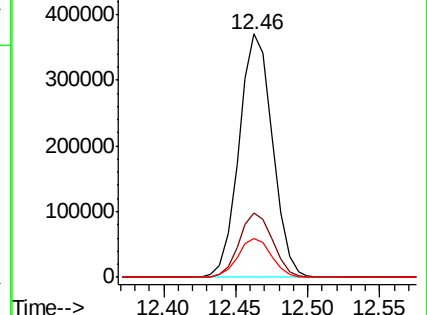
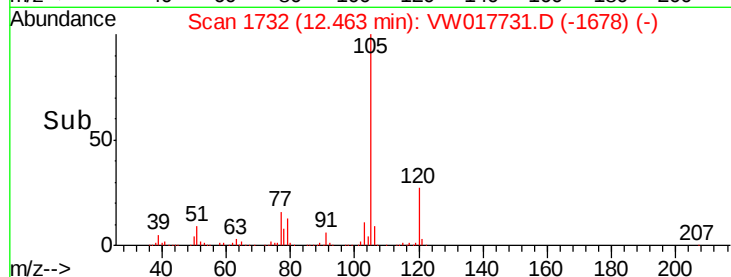
77 16.0 12.7 19.1



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: 24.201 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

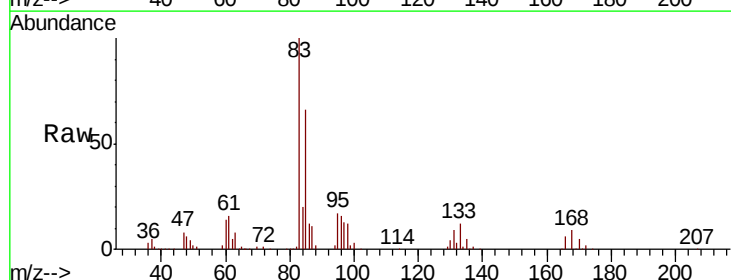
Tgt Ion: 83 Resp: 94614

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.8

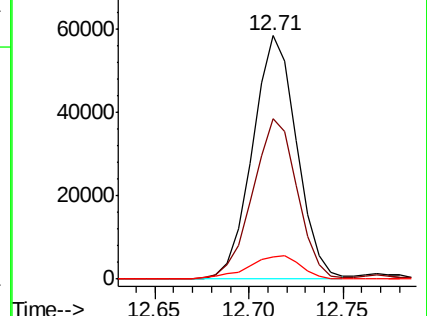
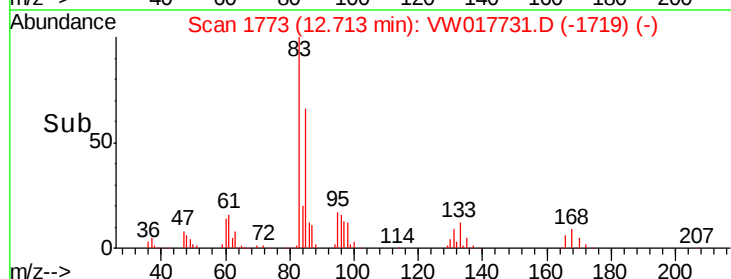
131 9.4 7.8 11.8

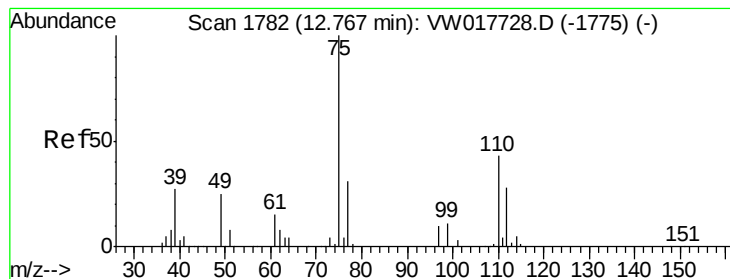


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.400 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

Instrument :

MSVOA_W

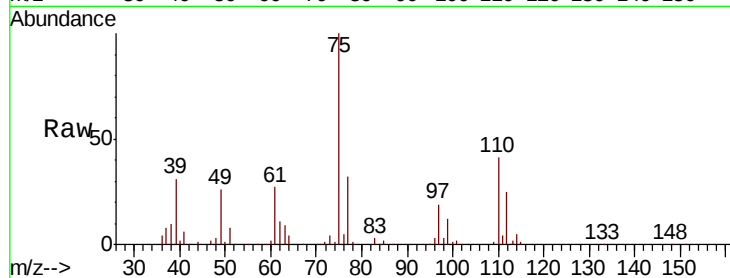
ClientSampled :

Tot Ion: 75 Resp: 70122

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

50000

40000

30000

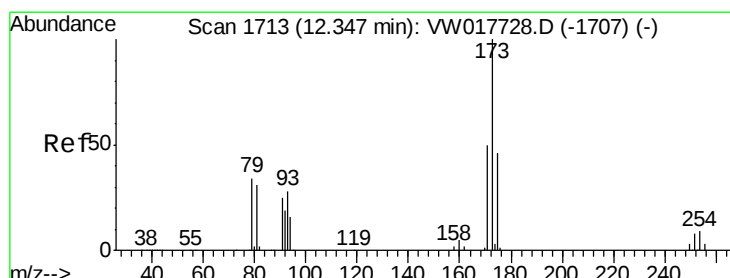
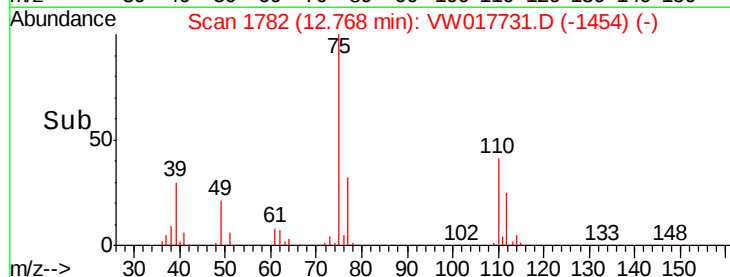
20000

10000

0

12.70 12.75 12.80 12.85

Time-->



#62

Bromoform

Concen: 23.549 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

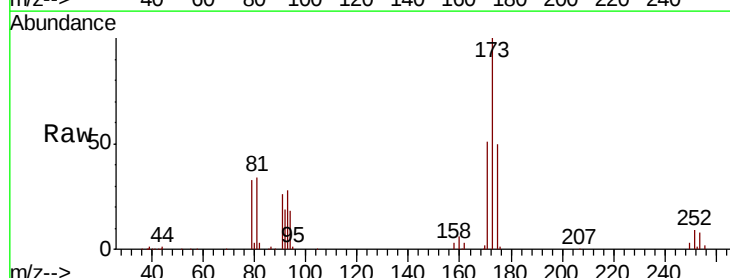
Tgt Ion: 173 Resp: 52504

Ion Ratio Lower Upper

173 100

175 48.6 38.1 57.1

254 9.0 6.7 10.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

40000

30000

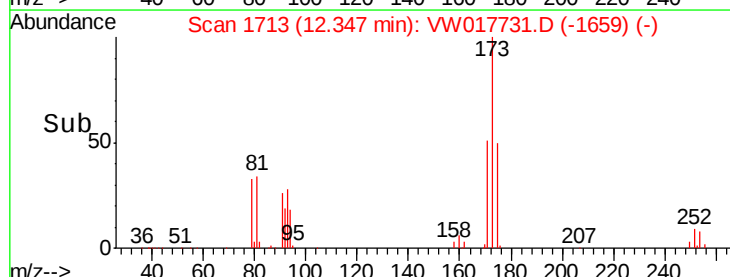
20000

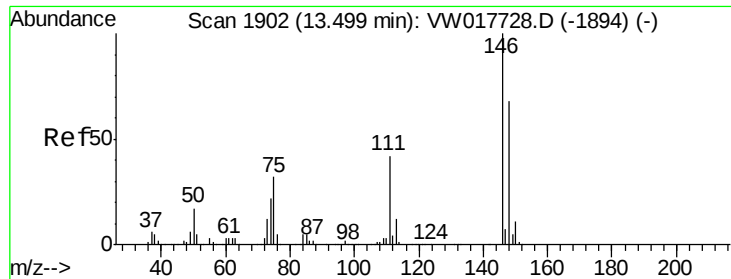
10000

0

12.30 12.35 12.40

Time-->

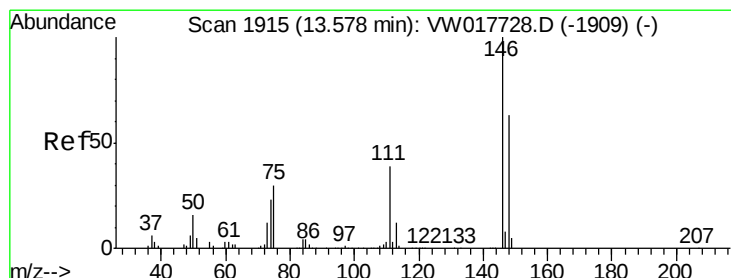
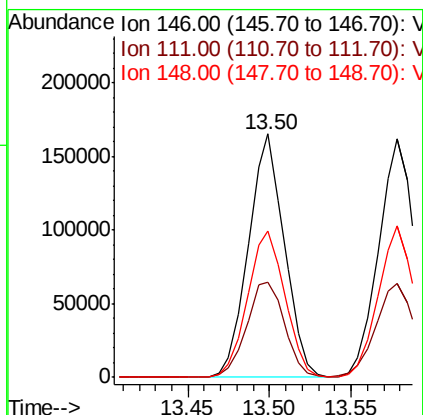
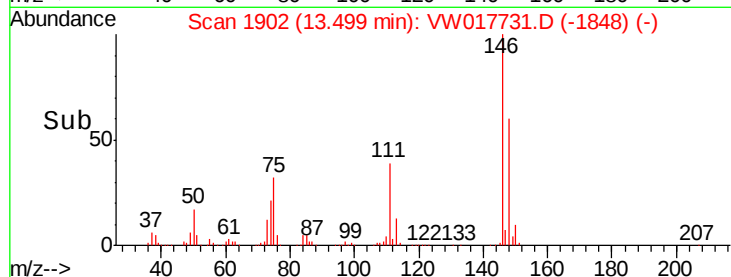
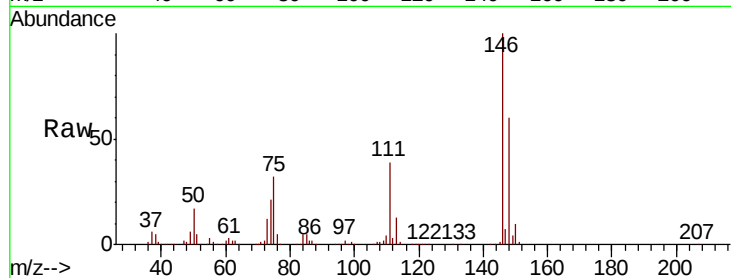




#63
 1,3-Dichlorobenzene
 Concen: 22.575 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

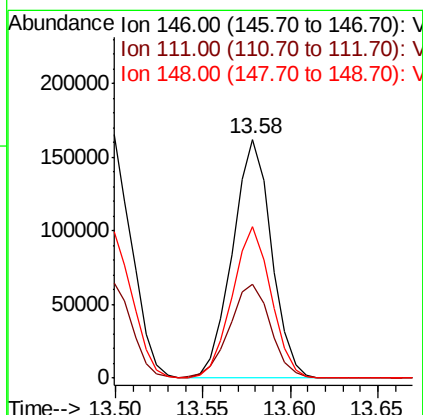
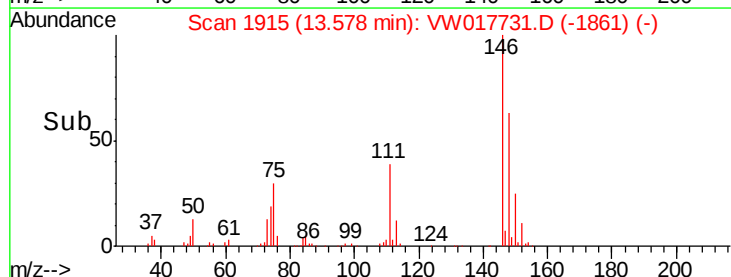
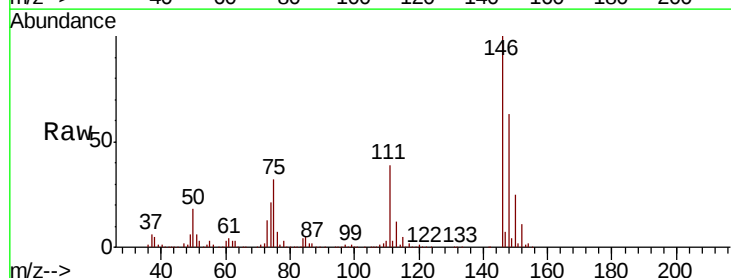
Instrument :
 MSVOA_W
 ClientSampled :

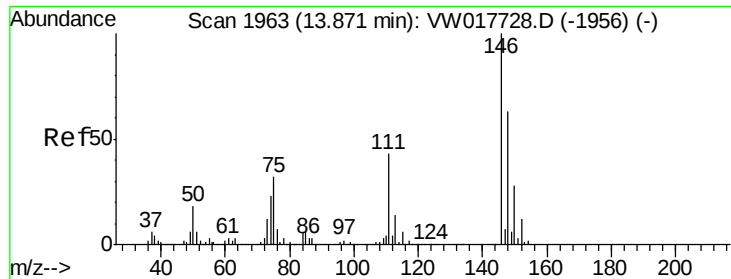
Tot Ion:146 Resp: 253894
 Ion Ratio Lower Upper
 146 100
 111 39.2 29.5 54.7
 148 60.3 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 22.262 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

Tgt Ion:146 Resp: 251608
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.7 51.5
 148 63.4 44.2 82.2

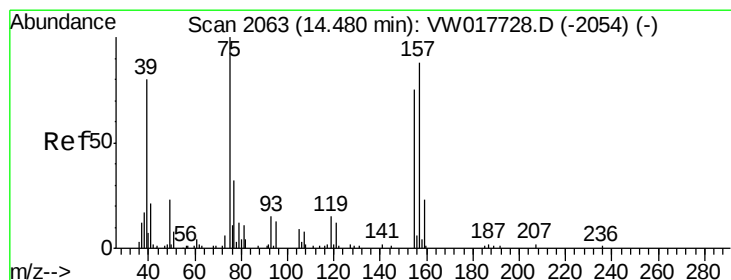
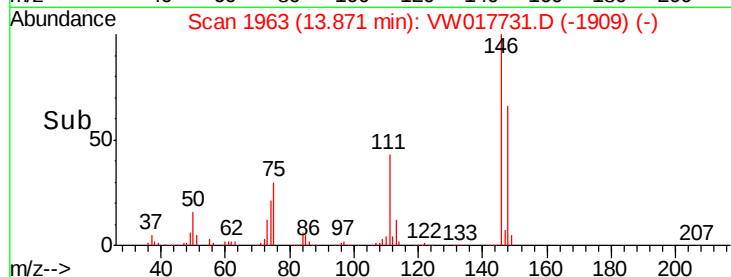
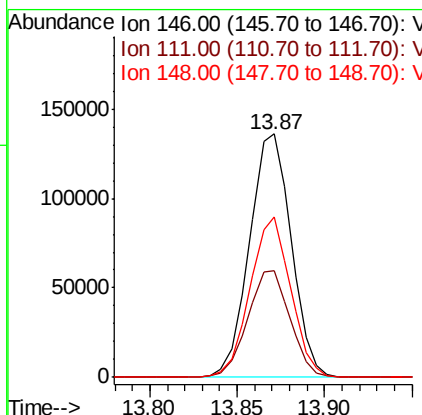
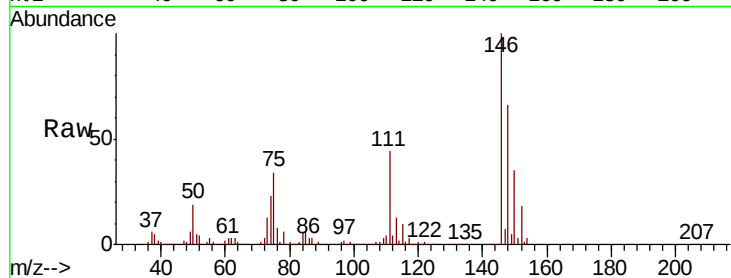




#65
 1,2-Dichlorobenzene
 Concen: 22.844 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

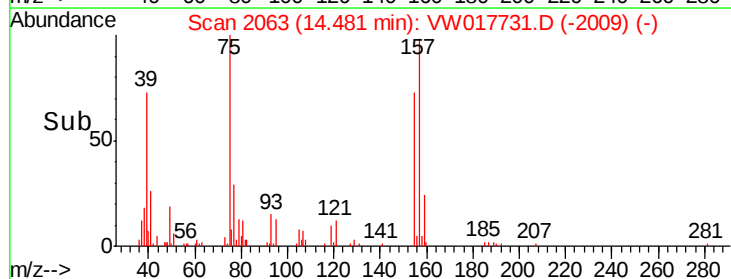
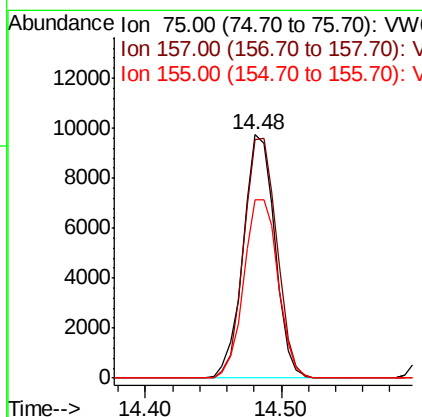
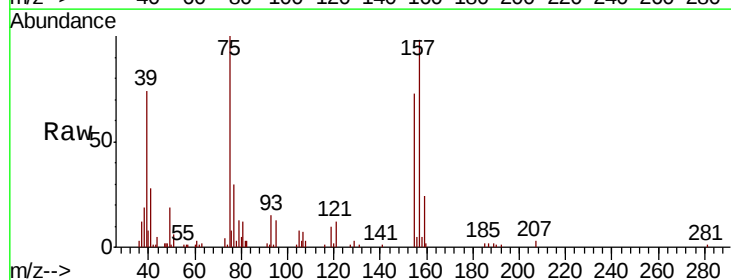
Instrument :
 MSVOA_W
 ClientSampleId :

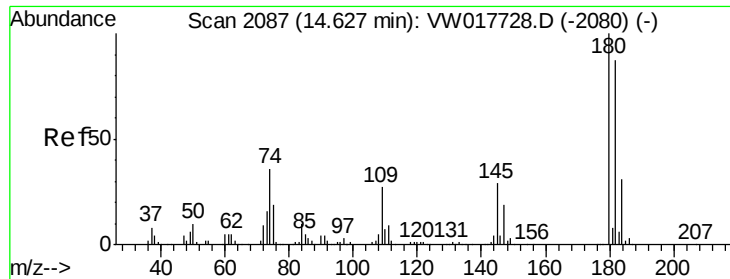
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	34.4	51.6
148	66.1	50.6	76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.416 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
157	97.8	70.2	105.4
155	73.0	59.8	89.6

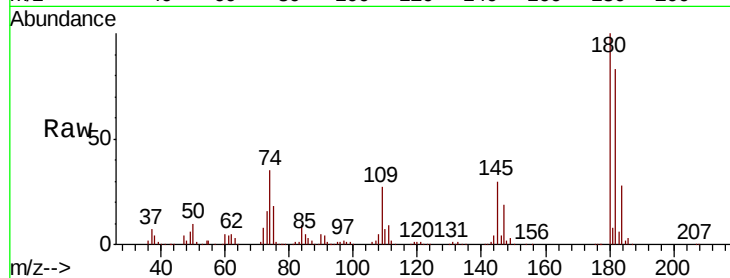




#67
 1,3,5-Trichlorobenzene
 Concen: 22.748 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.9	76.2	114.2
184	28.9	23.6	35.4
145	30.9	25.2	37.8



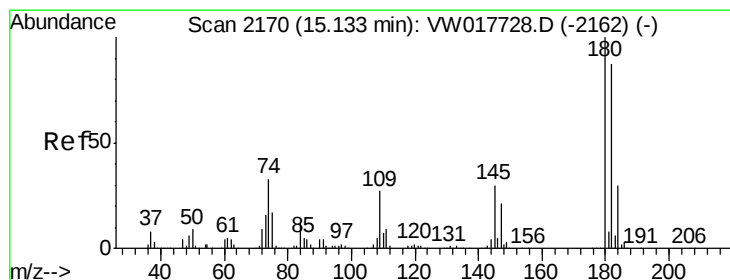
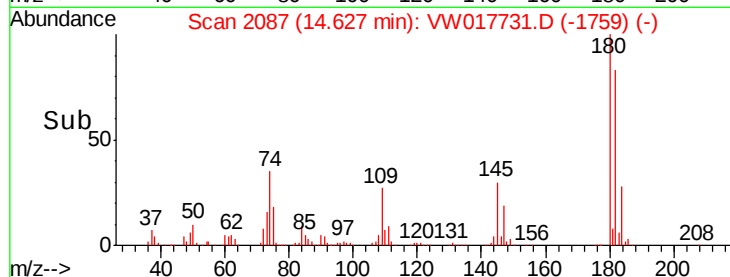
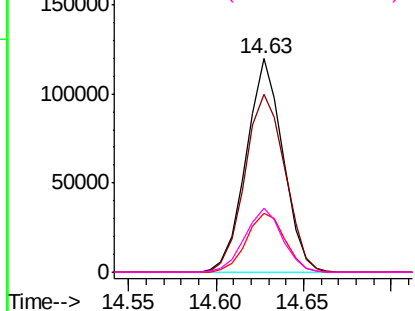
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

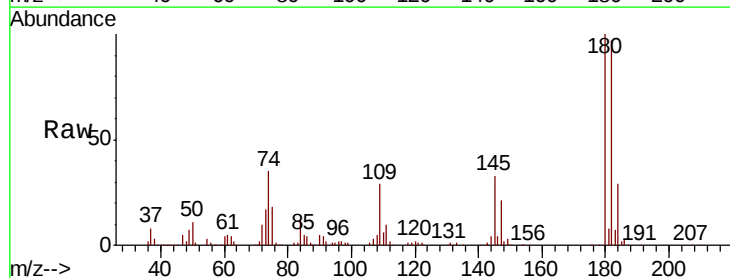
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 22.224 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017731.D
 Acq: 24 Dec 2020 12:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	73.0	109.6
145	32.6	25.8	38.6

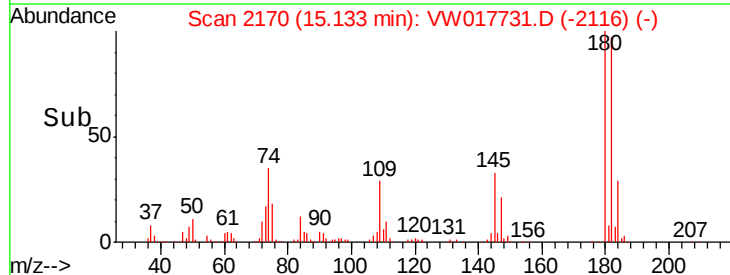
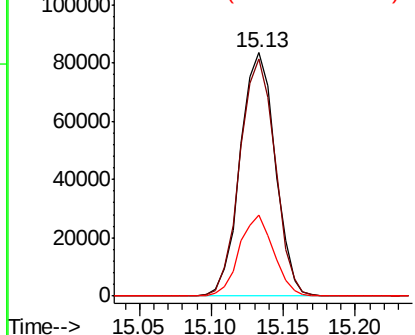


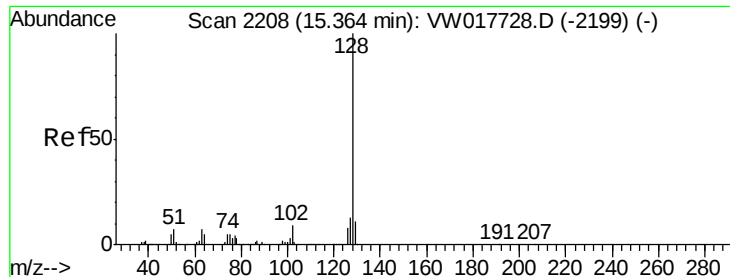
Abundance

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: 23.340 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

Instrument :

MSVOA_W

ClientSampleId :

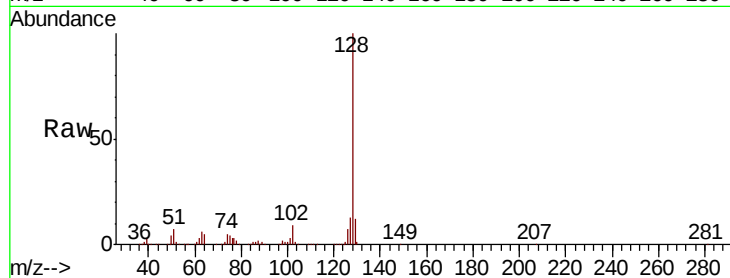
Tot Ion:128 Resp: 282077

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

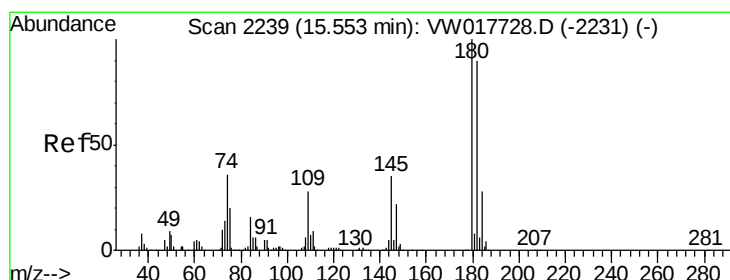
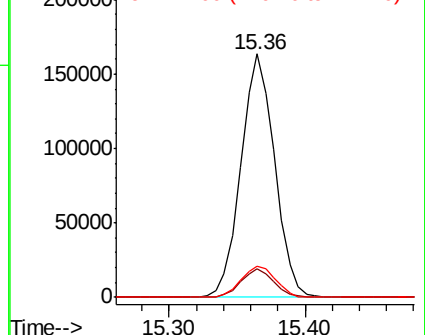
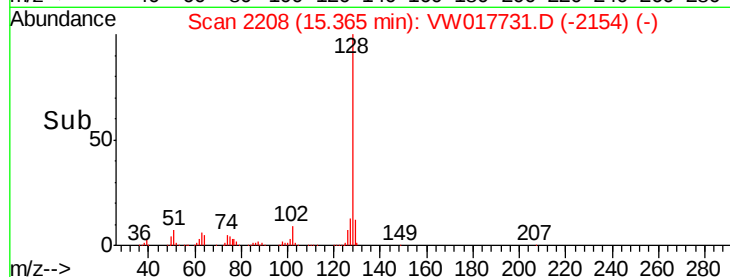
127 13.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.270 ug/L

RT: 15.55 min Scan# 2238

Delta R.T. -0.01 min

Lab File: VW017731.D

Acq: 24 Dec 2020 12:39

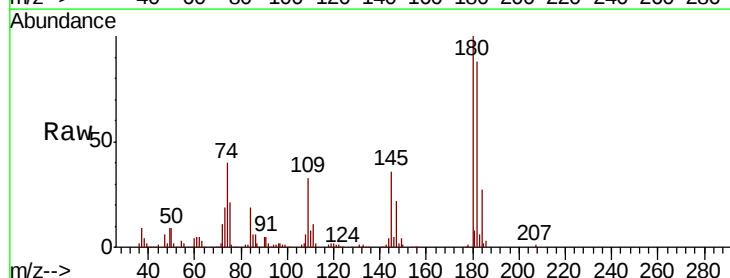
Tgt Ion:180 Resp: 119348

Ion Ratio Lower Upper

180 100

182 94.8 74.8 112.2

145 34.3 28.6 43.0



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

