

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101923\
 Data File : VW027360.D
 Acq On : 19 Oct 2023 20:00
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 20 02:54:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 20 02:46:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	410254	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	379067	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	186066	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	144126	23.019	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.080%
7) Chloroethane-d5	2.899	69	116764	25.973	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.880%
11) 1,1-Dichloroethene-d2	4.021	65	73906	23.557	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.240%
21) 2-Butanone-d5	7.088	46	100489	48.288	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.580%
24) Chloroform-d	7.648	84	325069	26.585	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.320%
26) 1,2-Dichloroethane-d4	8.307	65	176583	26.884	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.520%
32) Benzene-d6	8.276	84	663676	25.878	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.520%
36) 1,2-Dichloropropane-d6	9.276	67	207606	26.502	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.000%
41) Toluene-d8	10.325	98	573519	24.660	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.640%
43) trans-1,3-Dichloroprop...	10.575	79	83970	23.511	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.040%
47) 2-Hexanone-d5	10.922	63	70890	43.740	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.480%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	157397	26.931	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.720%
66) 1,2-Dichlorobenzene-d4	13.849	152	167565	24.851	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	104529	21.414	ug/L	96
3) Chloromethane	2.223	50	144926	25.835	ug/L	99
5) Vinyl chloride	2.375	62	155309	24.785	ug/L	96
6) Bromomethane	2.790	94	86071	24.116	ug/L	94
8) Chloroethane	2.930	64	92058	25.523	ug/L	98
9) Trichlorofluoromethane	3.265	101	121024	27.376	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	135985	24.565	ug/L	92
12) 1,1-Dichloroethene	4.039	96	131865	24.512	ug/L	98
13) Acetone	4.143	43	86216	47.967	ug/L	100
14) Carbon disulfide	4.387	76	385326	23.105	ug/L	100
15) Methyl Acetate	4.679	43	106443	34.673	ug/L	99
16) Methylene chloride	4.917	84	182135	24.254	ug/L	92
17) trans-1,2-Dichloroethene	5.429	96	144940	25.069	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	278468	27.917	ug/L	100
19) 1,1-Dichloroethane	6.216	63	317501	26.916	ug/L	96
20) cis-1,2-Dichloroethene	7.173	96	172664	26.445	ug/L	96
22) 2-Butanone	7.179	43	111274	41.360	ug/L	99
23) Bromochloromethane	7.514	128	69151	25.653	ug/L	84
25) Chloroform	7.679	83	298851	27.069	ug/L	99

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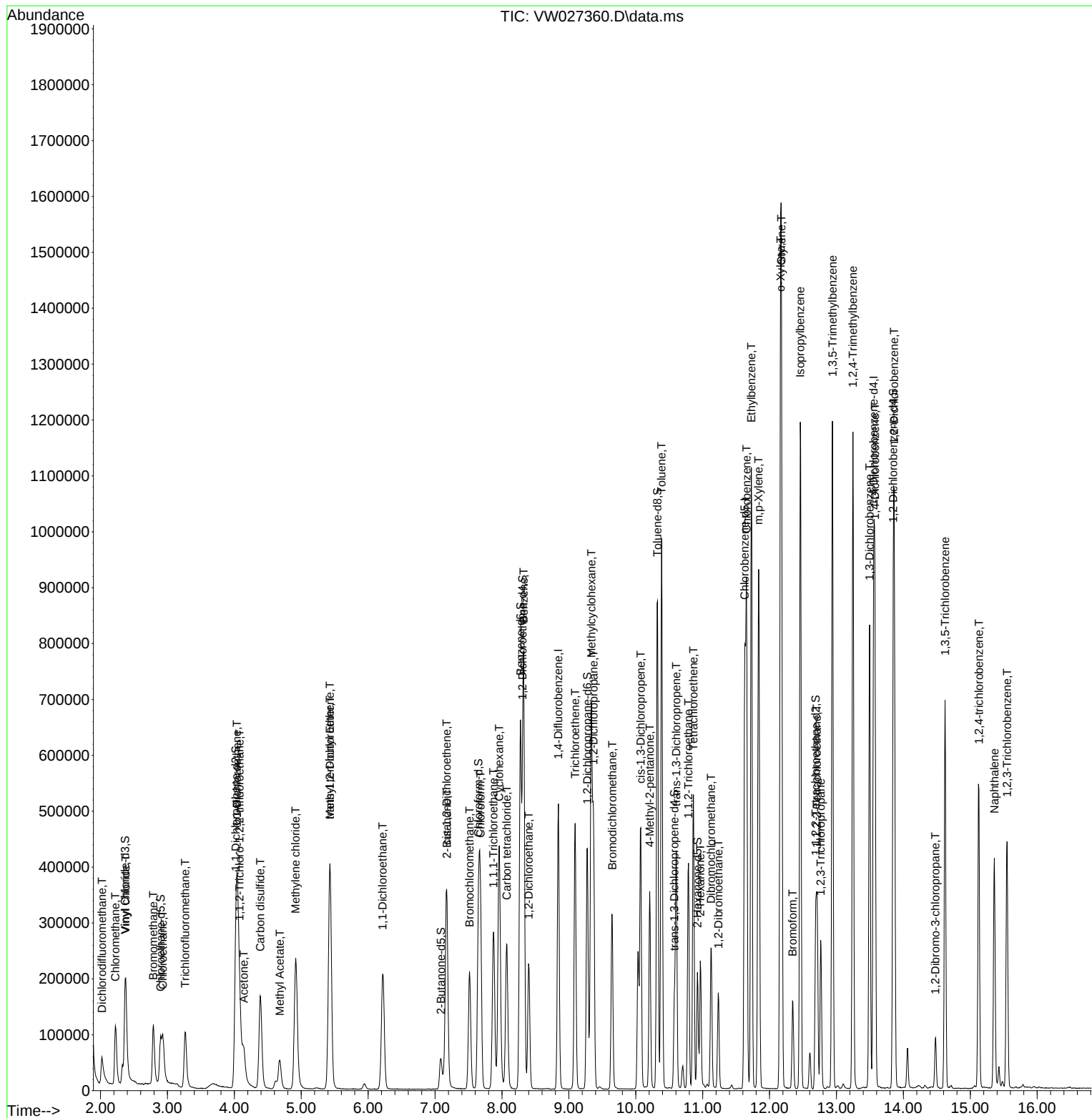
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	205136	27.353	ug/L	98
29) Cyclohexane	7.959	56	273319	23.747	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	235569	25.476	ug/L	99
31) Carbon tetrachloride	8.069	117	203295	24.383	ug/L	97
33) Benzene	8.325	78	661206	26.690	ug/L	100
34) Trichloroethene	9.093	95	169631	25.922	ug/L	95
35) Methylcyclohexane	9.337	83	277420	23.706	ug/L	99
37) 1,2-Dichloropropane	9.368	63	181925	27.159	ug/L	99
38) Bromodichloromethane	9.648	83	215497	26.163	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	274759	24.831	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	240153	52.132	ug/L	99
42) Toluene	10.386	91	688953	26.510	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	232609	24.914	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	125763	27.284	ug/L	98
46) Tetrachloroethene	10.861	164	108634	24.042	ug/L	98
48) 2-Hexanone	10.965	43	147836	43.360	ug/L	100
49) Dibromochloromethane	11.123	129	129821	25.360	ug/L	95
50) 1,2-Dibromoethane	11.233	107	118528	26.522	ug/L	94
51) Chlorobenzene	11.654	112	427054	26.242	ug/L	98
52) Ethylbenzene	11.727	91	786701	26.050	ug/L	96
53) m,p-Xylene	11.837	106	289803	25.301	ug/L	99
54) o-Xylene	12.166	106	283474	25.844	ug/L	99
55) Styrene	12.178	104	484616	25.869	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	152115	27.033	ug/L	98
59) Bromoform	12.343	173	70638	25.513	ug/L	95
60) Isopropylbenzene	12.459	105	771372	26.390	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	113979	28.055	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	639840	26.243	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	621254	26.042	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	306718	25.876	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	303182	25.613	ug/L	96
67) 1,2-Dichlorobenzene	13.861	146	273281	25.982	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.476	75	24456	24.086	ug/L	98
69) 1,3,5-Trichlorobenzene	14.623	180	192285	24.989	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	158327	24.175	ug/L	98
71) Naphthalene	15.360	128	335800	24.933	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	136968	25.433	ug/L	94

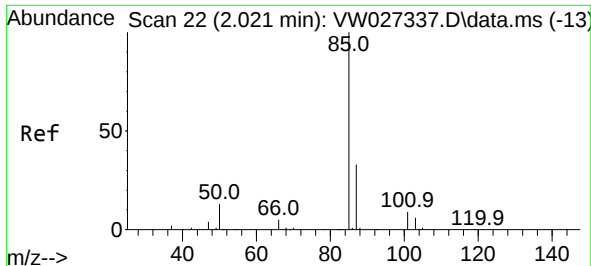
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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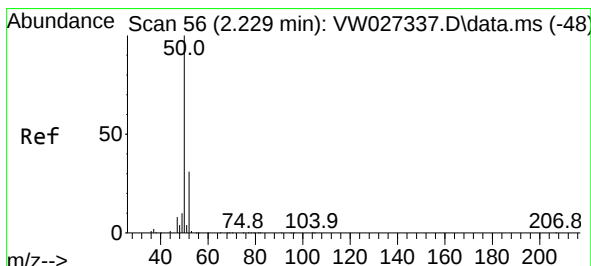
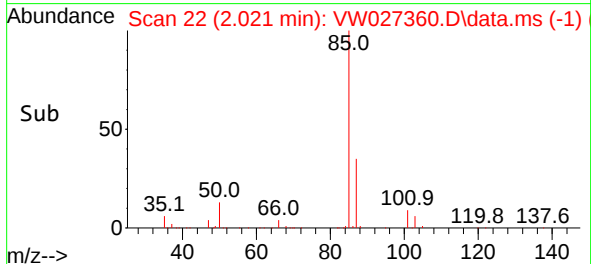
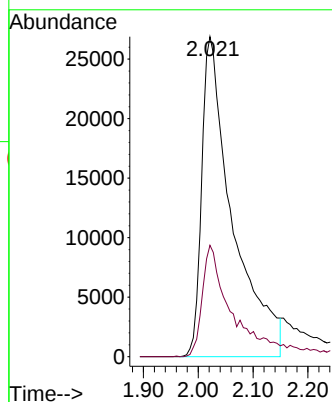
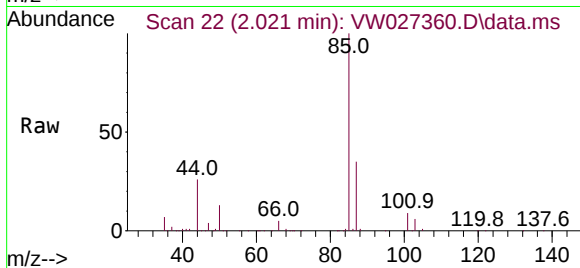




#2
 Dichlorodifluoromethane
 Concen: 21.414 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW027360.D
 Acq: 19 Oct 2023 20:00

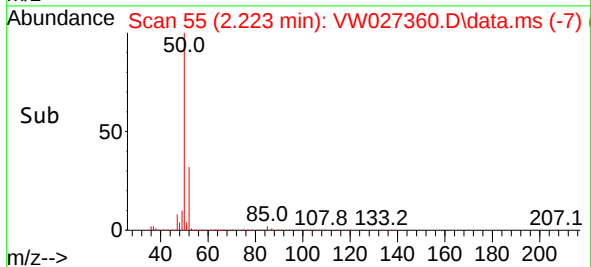
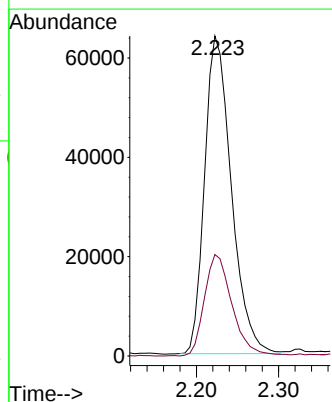
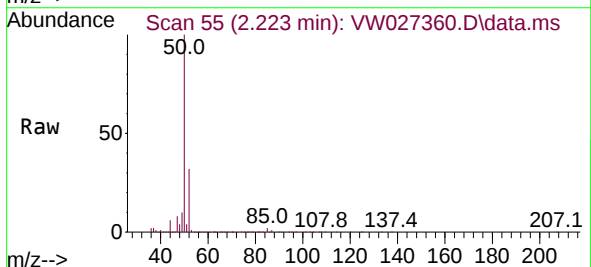
Instrument :
 MSVOA_W
 ClientSampleId :

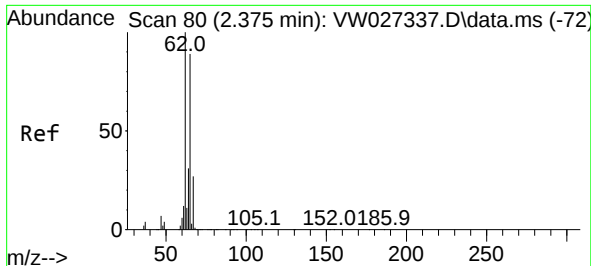
Tgt Ion: 85 Resp: 104529
 Ion Ratio Lower Upper
 85 100
 87 24.7 18.3 27.5



#3
 Chloromethane
 Concen: 25.835 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW027360.D
 Acq: 19 Oct 2023 20:00

Tgt Ion: 50 Resp: 144926
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.7 42.3

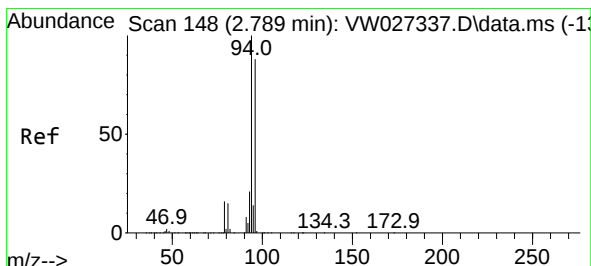
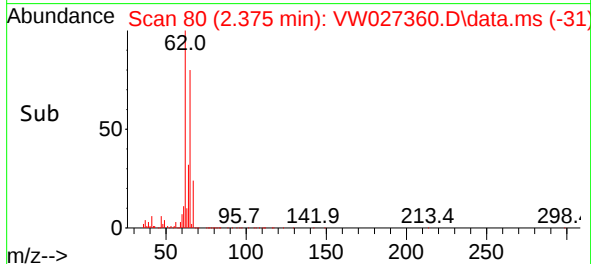
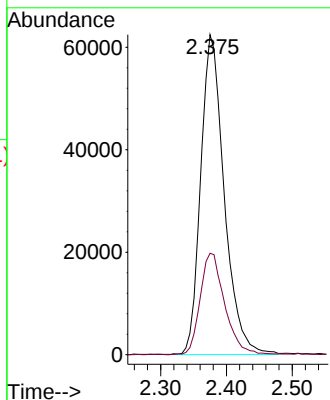
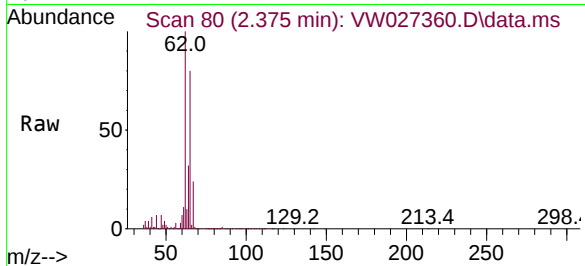




#5
 Vinyl chloride
 Concen: 24.785 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW027360.D
 Acq: 19 Oct 2023 20:00

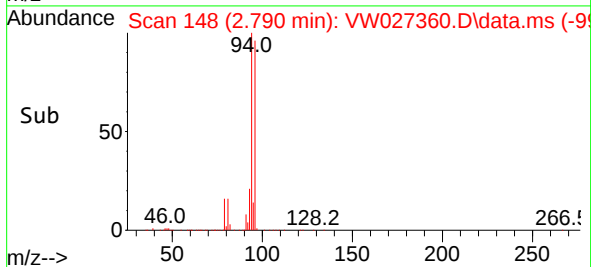
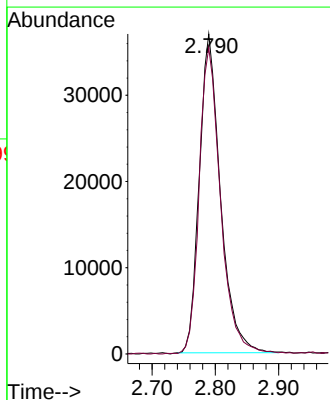
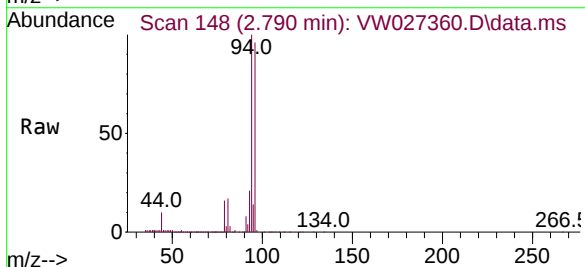
Instrument :
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 ClientSampleId :

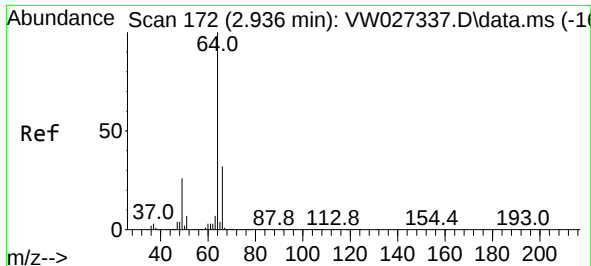
Tgt Ion: 62 Resp: 155309
 Ion Ratio Lower Upper
 62 100
 64 31.7 23.8 44.2



#6
 Bromomethane
 Concen: 24.116 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW027360.D
 Acq: 19 Oct 2023 20:00

Tgt Ion: 94 Resp: 86071
 Ion Ratio Lower Upper
 94 100
 96 95.6 62.9 116.9

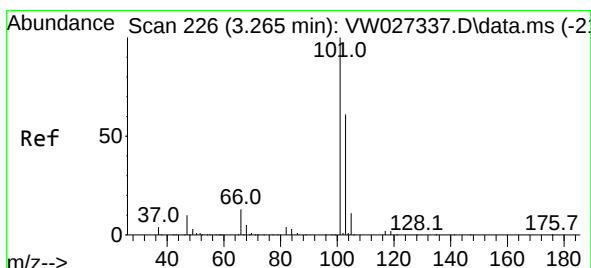
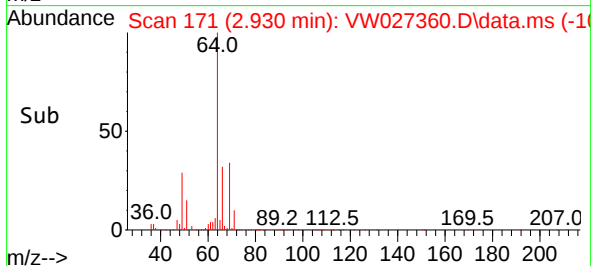
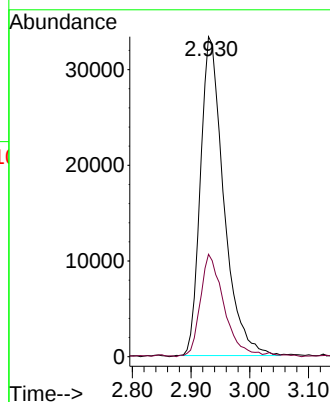
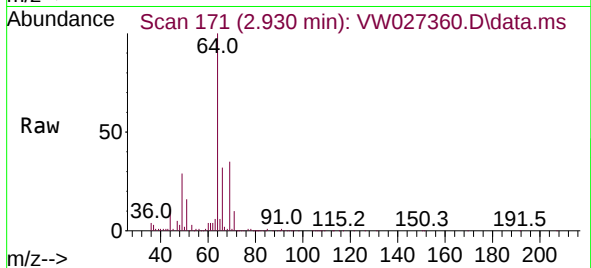




#8
Chloroethane
Concen: 25.523 ug/L
RT: 2.930 min Scan# 172
Delta R.T. -0.006 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

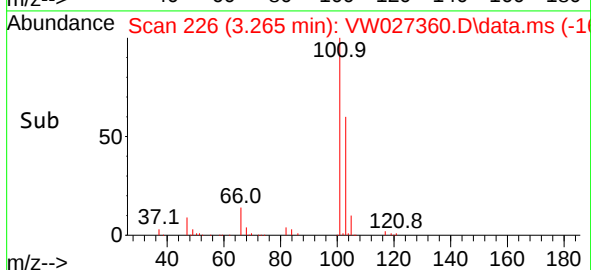
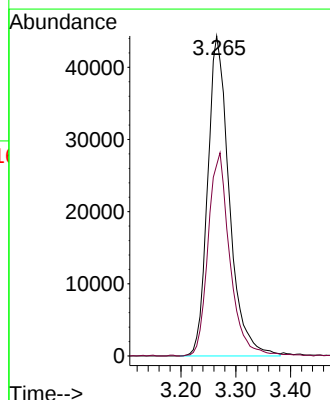
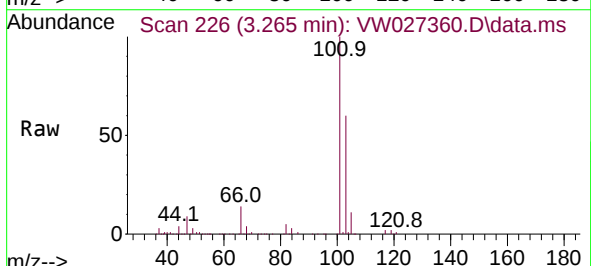
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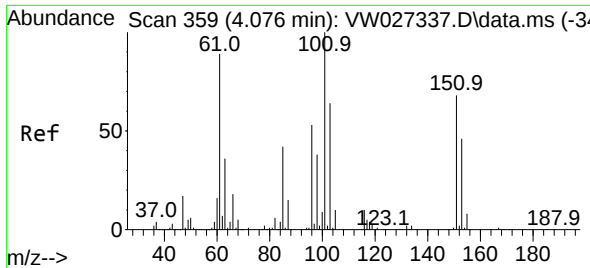
Tgt Ion: 64 Resp: 92058
Ion Ratio Lower Upper
64 100
66 32.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 27.376 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

Tgt Ion:101 Resp: 121024
Ion Ratio Lower Upper
101 100
103 63.4 51.6 77.4

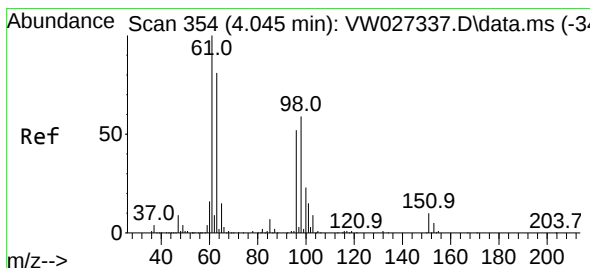
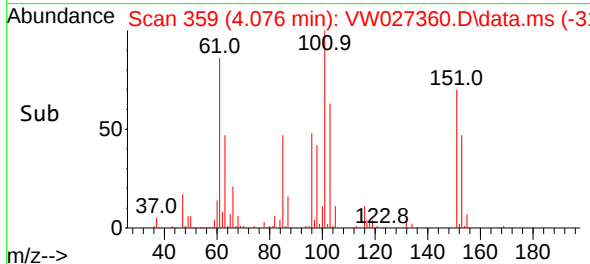
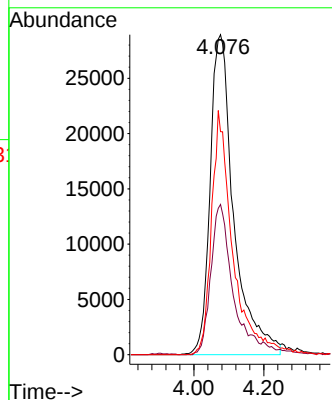
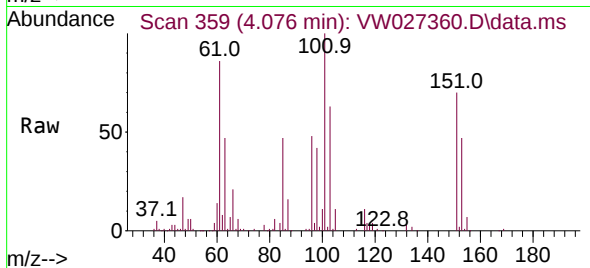




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.565 ug/L
 RT: 4.076 min Scan# 359
 Delta R.T. 0.000 min
 Lab File: VW027360.D
 Acq: 19 Oct 2023 20:00

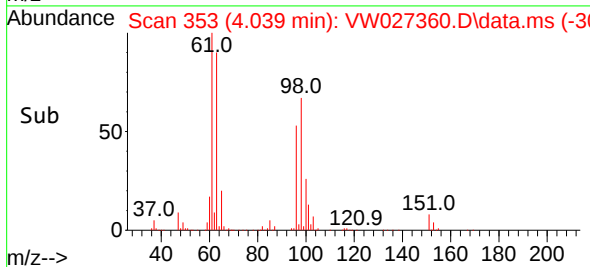
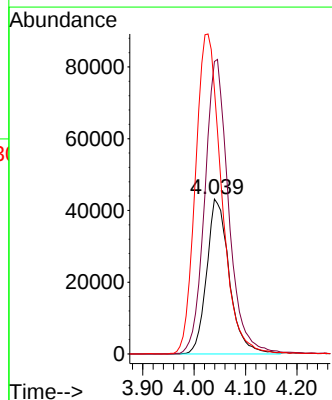
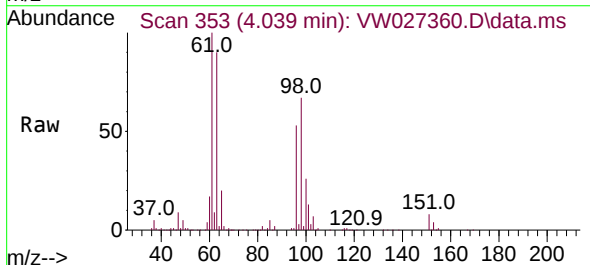
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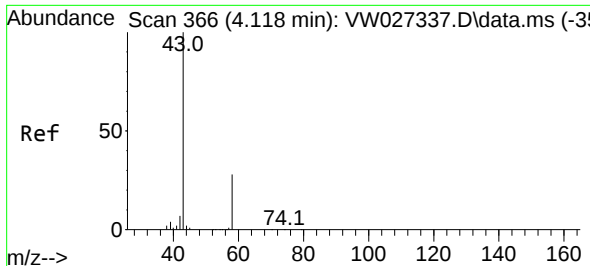
Tgt Ion:101 Resp: 135985
 Ion Ratio Lower Upper
 101 100
 85 38.7 34.1 51.1
 151 68.4 49.5 74.3



#12
 1,1-Dichloroethene
 Concen: 24.512 ug/L
 RT: 4.039 min Scan# 353
 Delta R.T. -0.006 min
 Lab File: VW027360.D
 Acq: 19 Oct 2023 20:00

Tgt Ion: 96 Resp: 131865
 Ion Ratio Lower Upper
 96 100
 61 188.8 133.3 247.5
 63 170.6 115.8 215.2





#13

Acetone

Concen: 47.967 ug/L

RT: 4.143 min Scan# 31

Delta R.T. 0.024 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

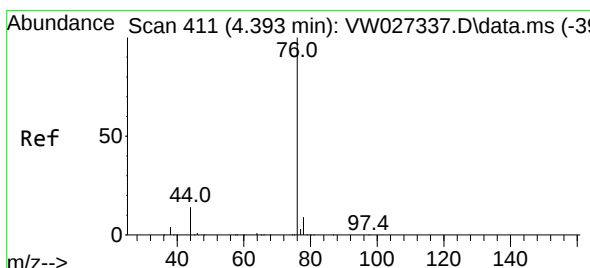
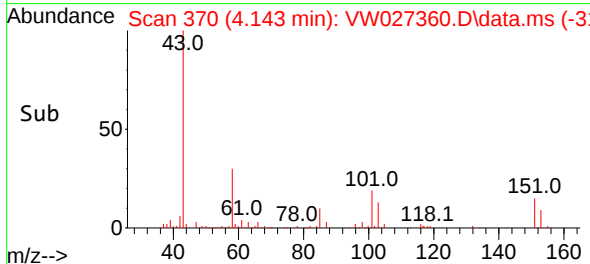
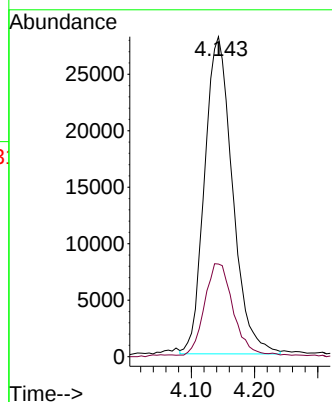
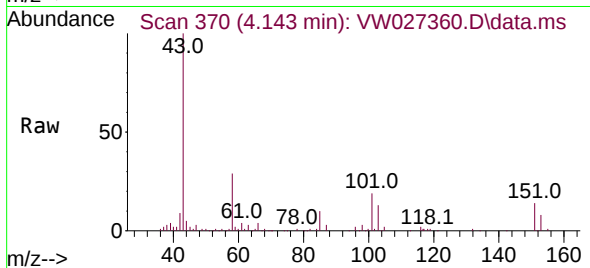
ClientSampleId :

Tgt Ion: 43 Resp: 86216

Ion Ratio Lower Upper

43 100

58 30.3 0.0 60.8



#14

Carbon disulfide

Concen: 23.105 ug/L

RT: 4.387 min Scan# 410

Delta R.T. -0.006 min

Lab File: VW027360.D

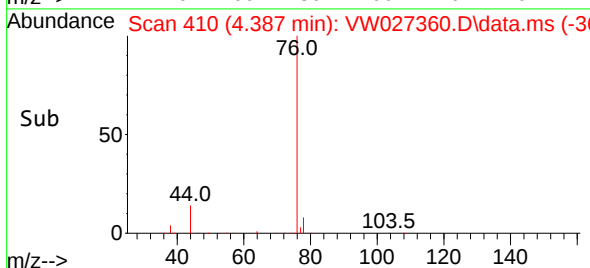
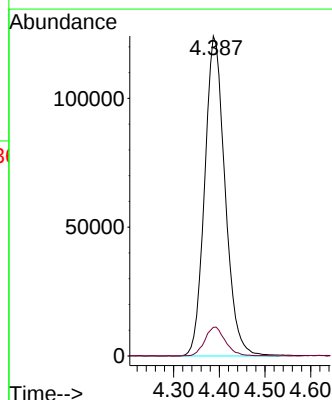
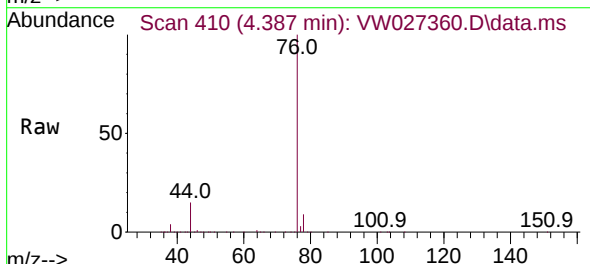
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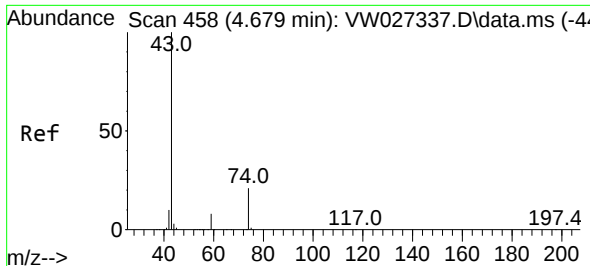
Tgt Ion: 76 Resp: 385326

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

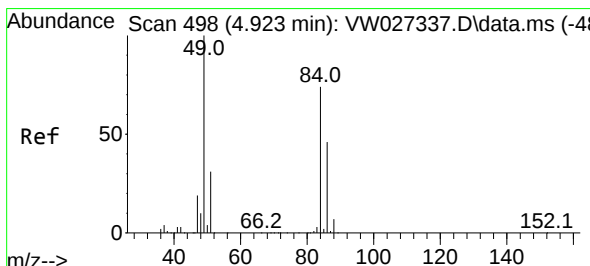
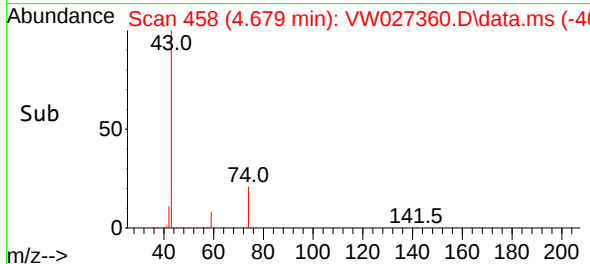
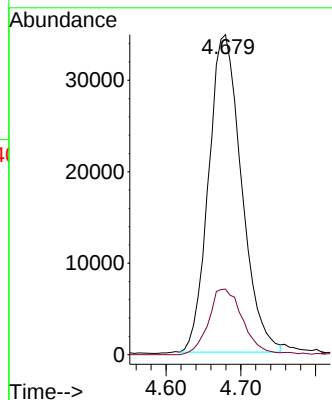
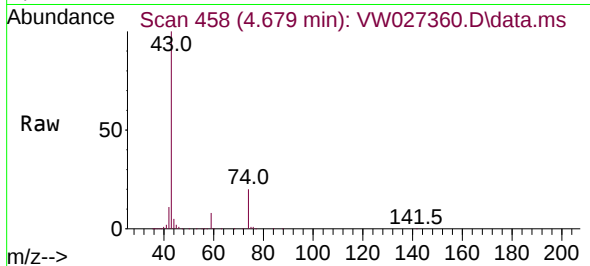




#15
Methyl Acetate
Concen: 34.673 ug/L
RT: 4.679 min Scan# 458
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

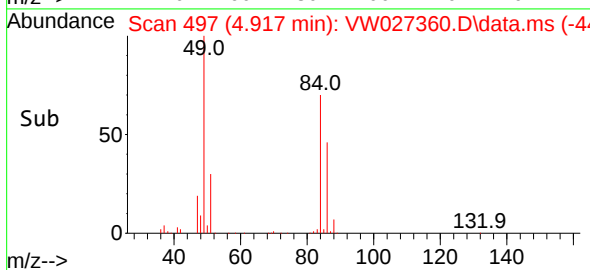
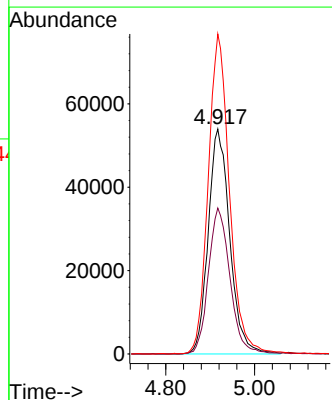
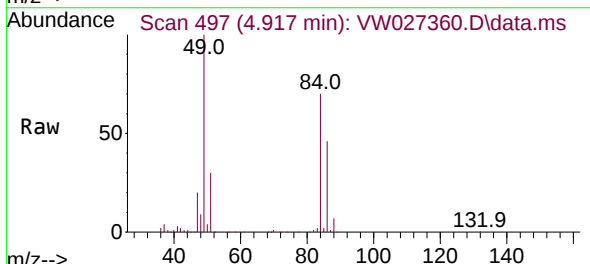
Instrument :
MSVOA_W
ClientSampleId :

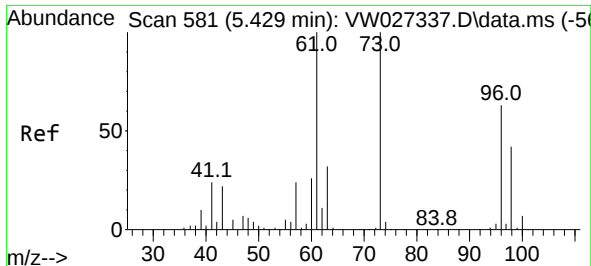
Tgt Ion: 43 Resp: 106443
Ion Ratio Lower Upper
43 100
74 21.3 17.5 26.3



#16
Methylene chloride
Concen: 24.254 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

Tgt Ion: 84 Resp: 182135
Ion Ratio Lower Upper
84 100
86 64.8 41.3 76.7
49 142.2 92.8 172.4

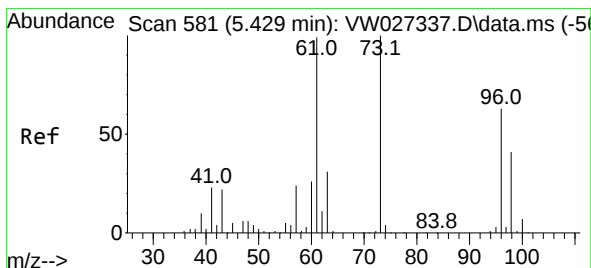
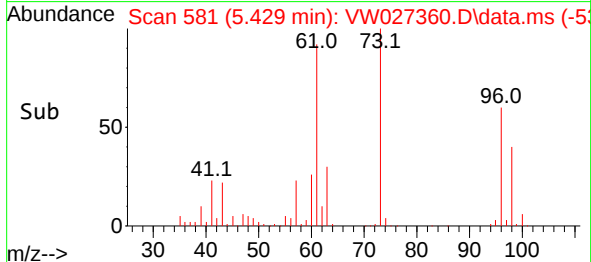
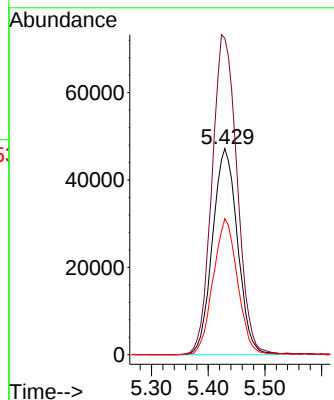
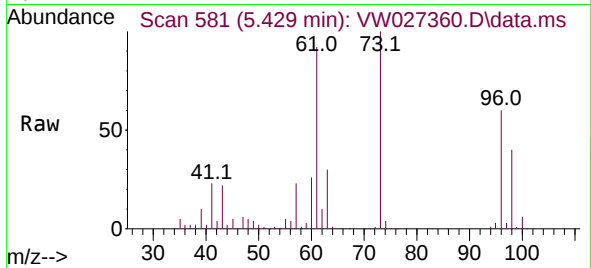




#17
trans-1,2-Dichloroethene
Concen: 25.069 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

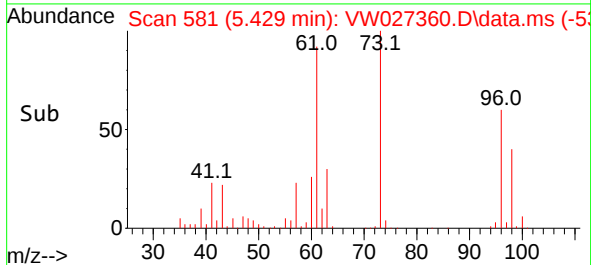
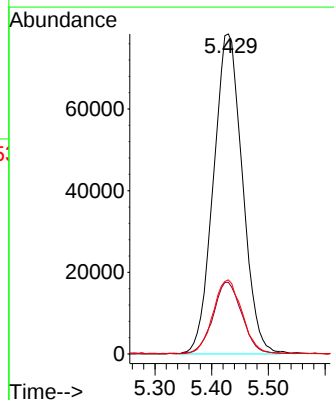
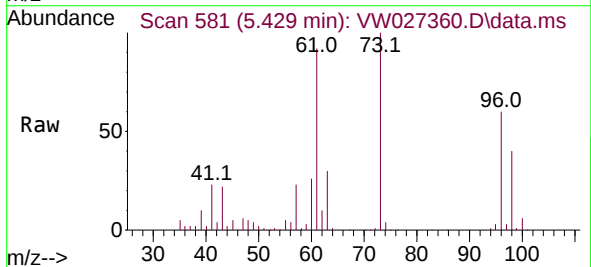
Instrument :
MSVOA_W
ClientSampleId :

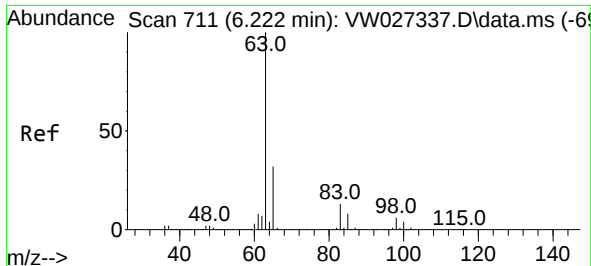
Tgt Ion: 96 Resp: 144940
Ion Ratio Lower Upper
96 100
61 153.5 105.6 196.0
98 66.0 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 27.917 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

Tgt Ion: 73 Resp: 278468
Ion Ratio Lower Upper
73 100
43 22.1 17.7 26.5
57 23.2 18.5 27.7





#19

1,1-Dichloroethane

Concen: 26.916 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

ClientSampleId :

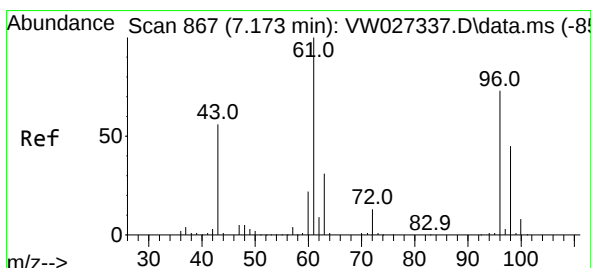
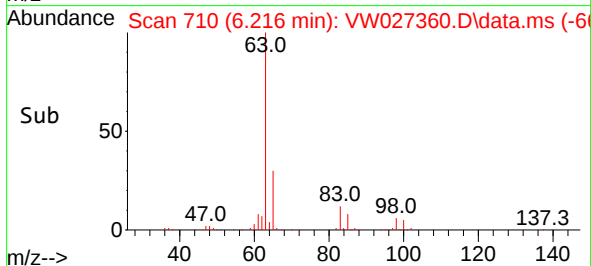
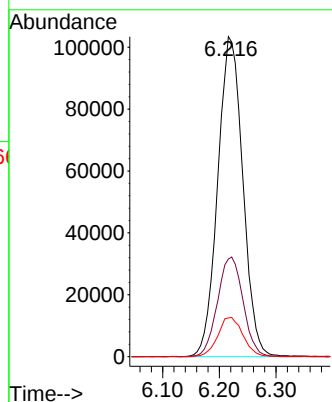
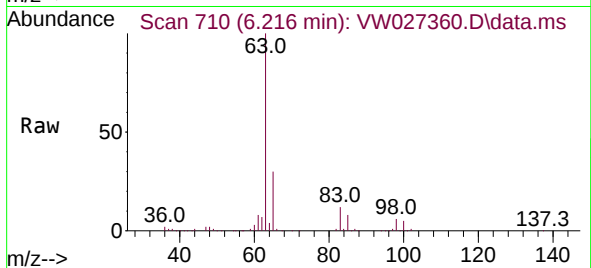
Tgt Ion: 63 Resp: 317501

Ion Ratio Lower Upper

63 100

65 30.5 22.9 42.5

83 12.1 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 26.445 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

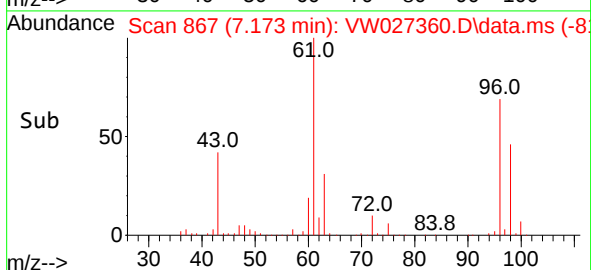
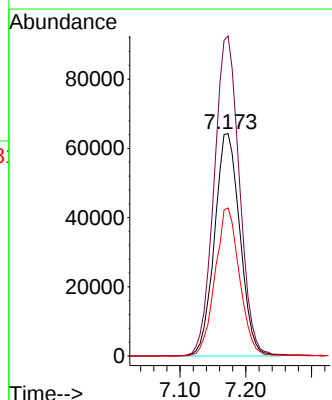
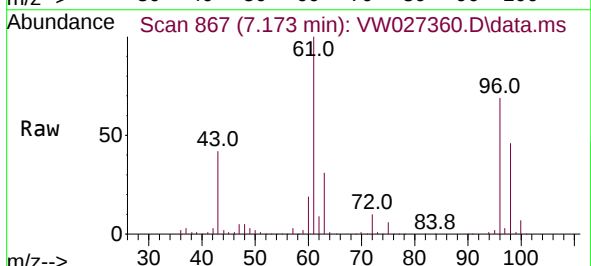
Tgt Ion: 96 Resp: 172664

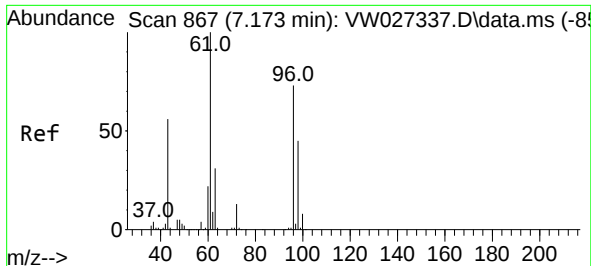
Ion Ratio Lower Upper

96 100

61 143.9 96.2 178.8

98 66.6 46.0 85.4

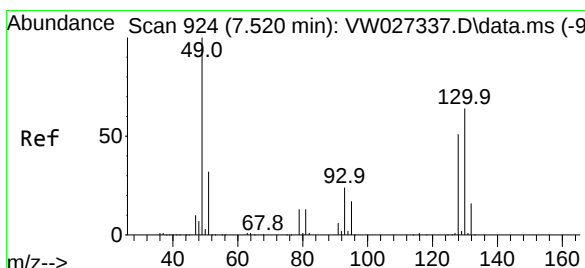
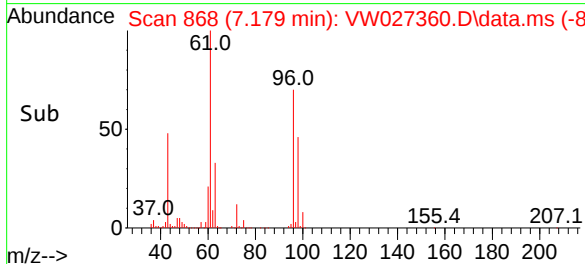
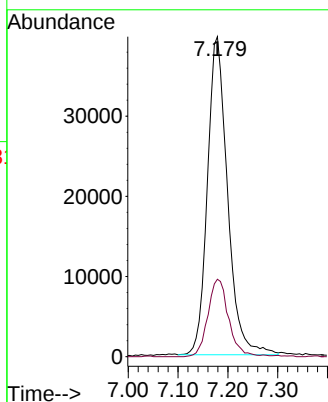
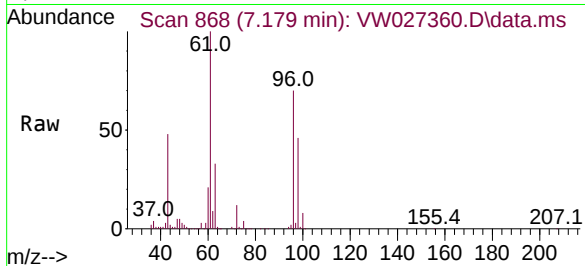




#22
2-Butanone
Concen: 41.360 ug/L
RT: 7.179 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

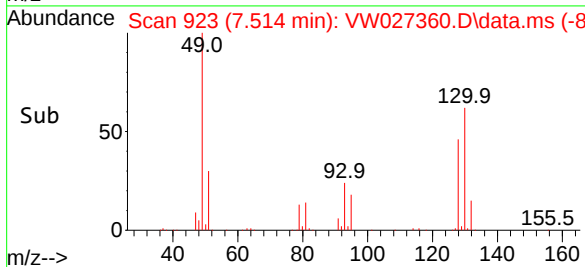
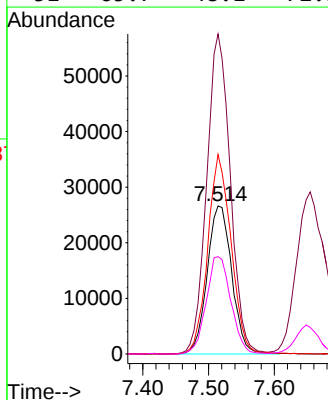
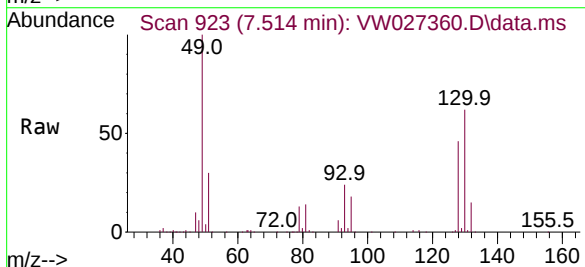
Instrument :
MSVOA_W
ClientSampleId :

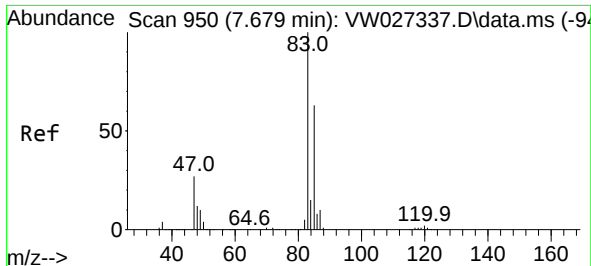
Tgt Ion: 43 Resp: 111274
Ion Ratio Lower Upper
43 100
72 24.9 12.3 36.8



#23
Bromochloromethane
Concen: 25.653 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

Tgt Ion: 128 Resp: 69151
Ion Ratio Lower Upper
128 100
49 216.2 128.9 239.5
130 134.6 85.0 157.8
51 65.7 48.1 72.1

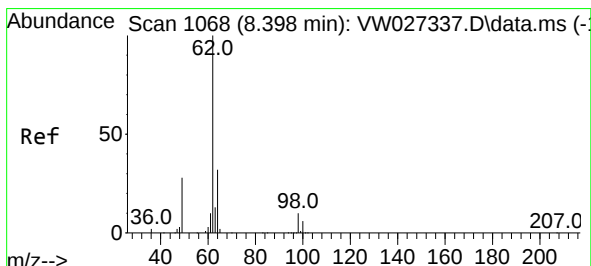
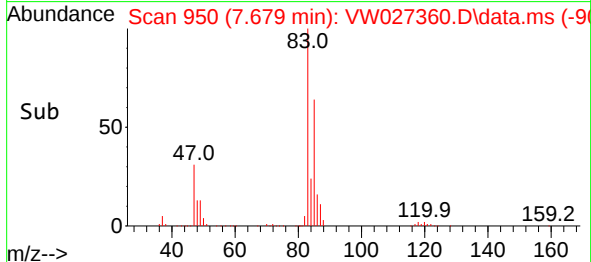
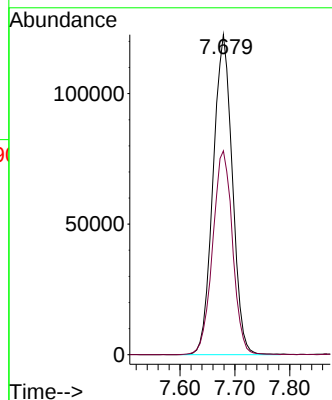
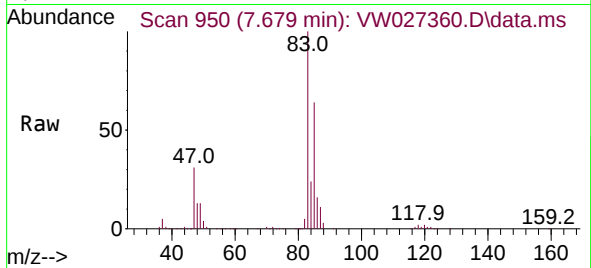




#25
Chloroform
Concen: 27.069 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

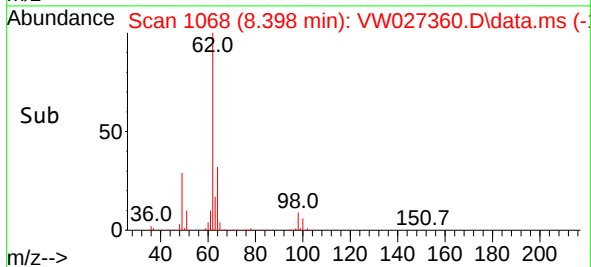
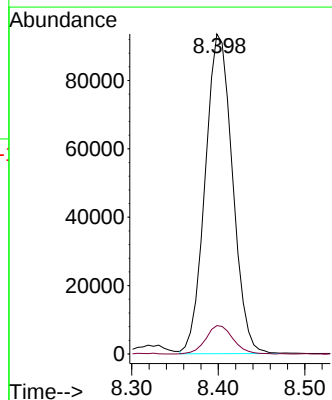
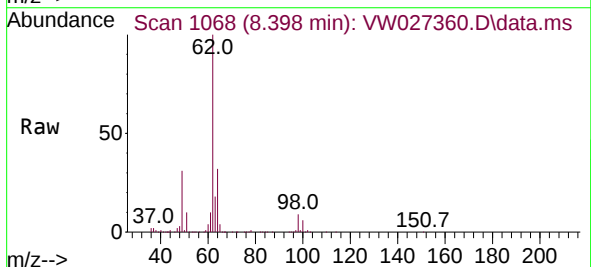
Instrument :
MSVOA_W
ClientSampleId :

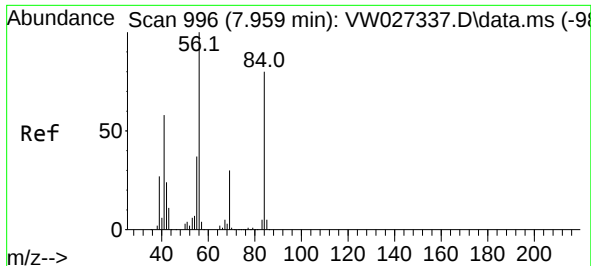
Tgt Ion: 83 Resp: 298851
Ion Ratio Lower Upper
83 100
85 63.7 44.1 81.9



#27
1,2-Dichloroethane
Concen: 27.353 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

Tgt Ion: 62 Resp: 205136
Ion Ratio Lower Upper
62 100
98 8.8 7.5 11.3





#29

Cyclohexane

Concen: 23.747 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

ClientSampleId :

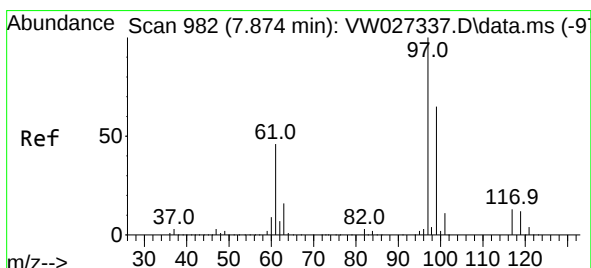
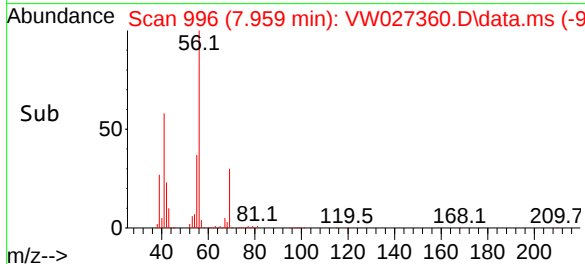
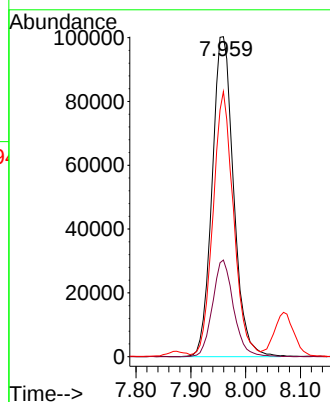
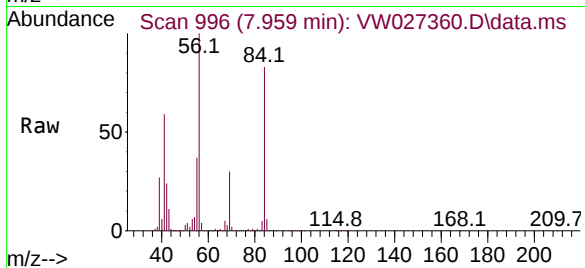
Tgt Ion: 56 Resp: 273319

Ion Ratio Lower Upper

56 100

69 29.5 24.2 36.4

84 79.1 65.1 97.7



#30

1,1,1-Trichloroethane

Concen: 25.476 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

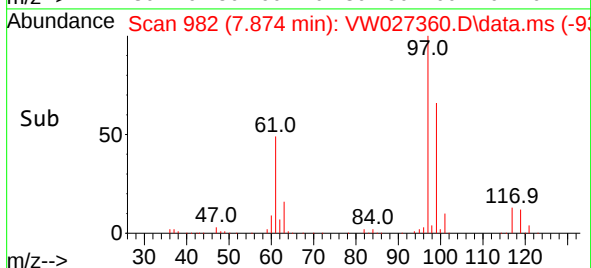
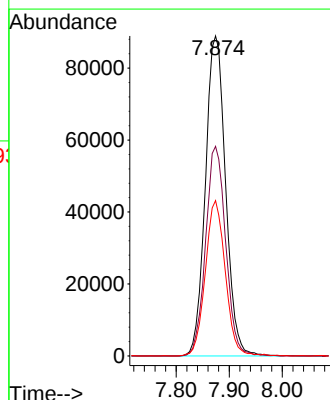
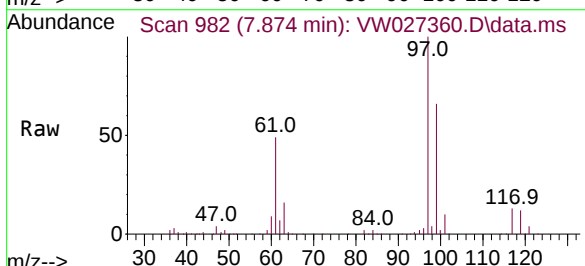
Tgt Ion: 97 Resp: 235569

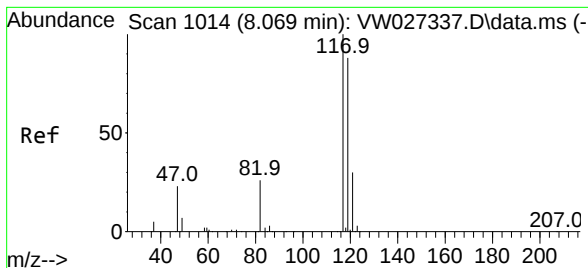
Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.0

61 47.9 37.4 56.0

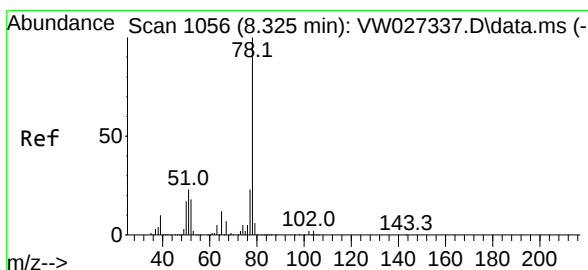
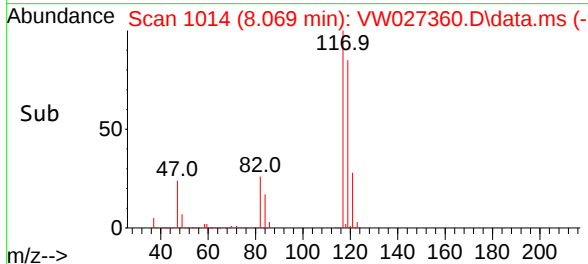
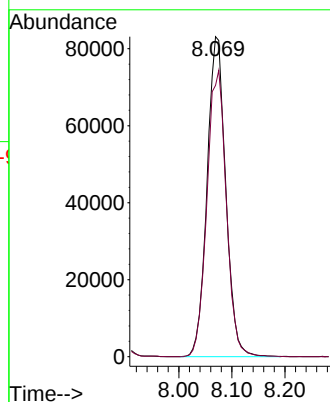
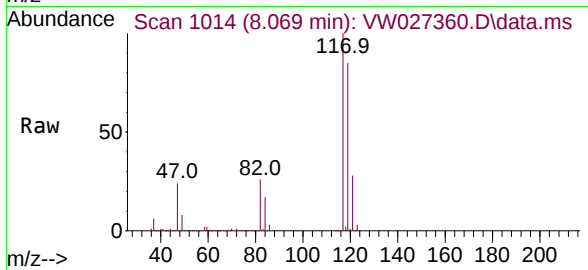




#31
Carbon tetrachloride
Concen: 24.383 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

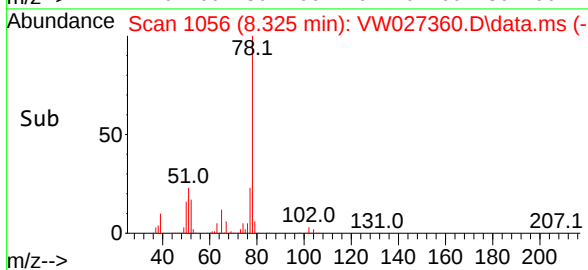
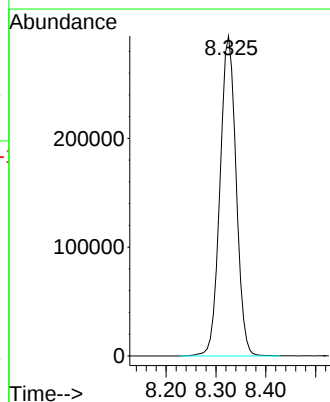
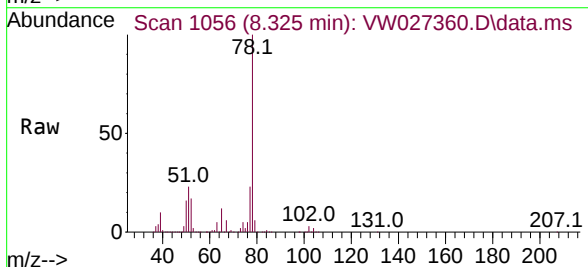
Instrument :
MSVOA_W
ClientSampleId :

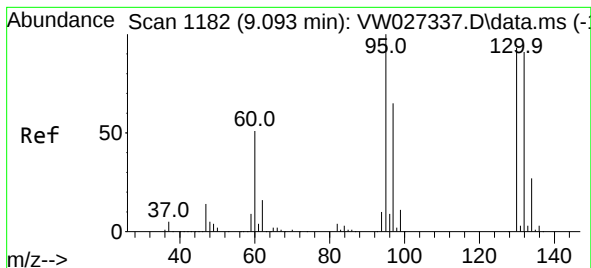
Tgt Ion:117 Resp: 203295
Ion Ratio Lower Upper
117 100
119 93.1 77.1 115.7



#33
Benzene
Concen: 26.690 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

Tgt Ion: 78 Resp: 661206





#34

Trichloroethene

Concen: 25.922 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

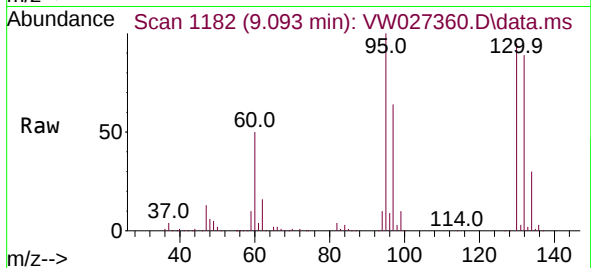
Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 169631

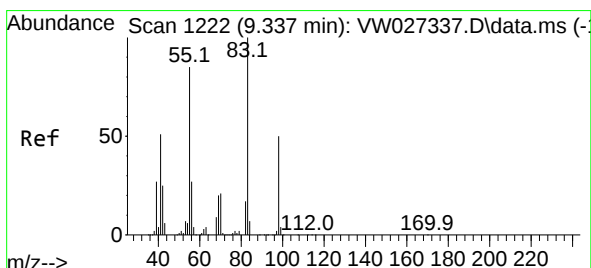
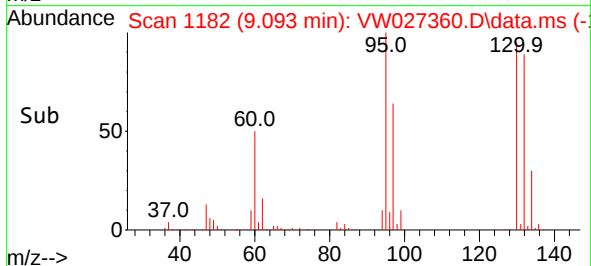
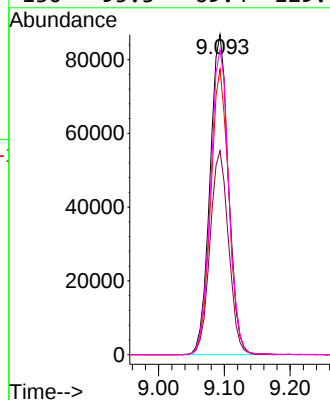
Ion Ratio Lower Upper

95 100

97 63.7 43.4 80.6

132 89.2 67.6 125.6

130 95.3 69.4 129.0



#35

Methylcyclohexane

Concen: 23.706 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

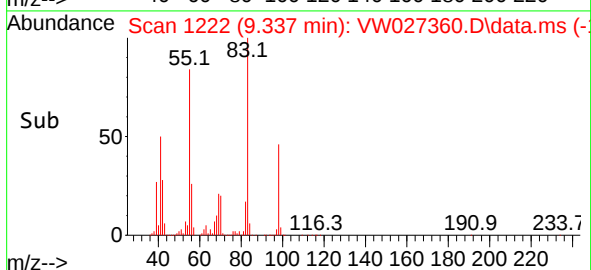
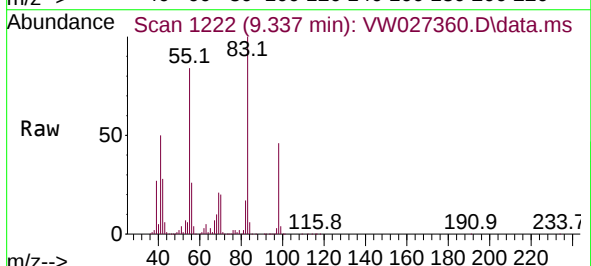
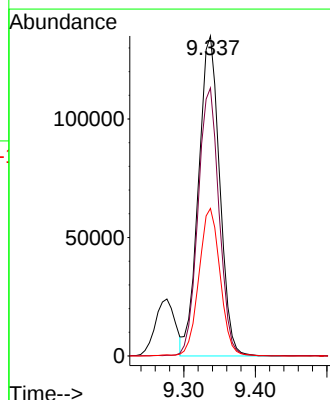
Tgt Ion: 83 Resp: 277420

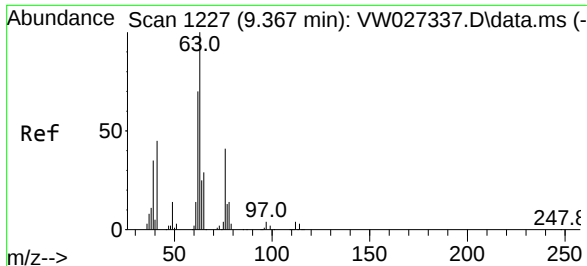
Ion Ratio Lower Upper

83 100

55 83.0 65.8 98.8

98 46.2 38.1 57.1





#37

1,2-Dichloropropane

Concen: 27.159 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

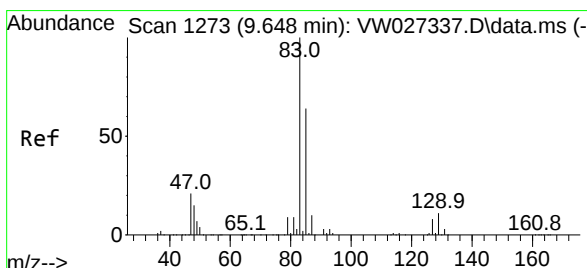
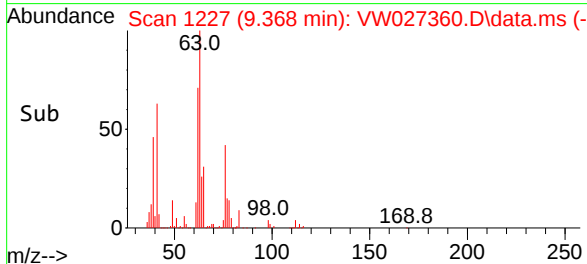
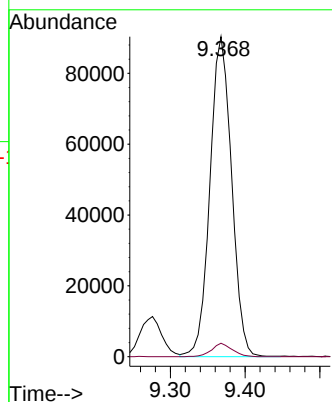
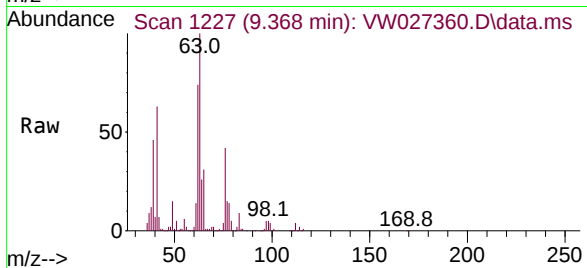
ClientSampleId :

Tgt Ion: 63 Resp: 181925

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



#38

Bromodichloromethane

Concen: 26.163 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

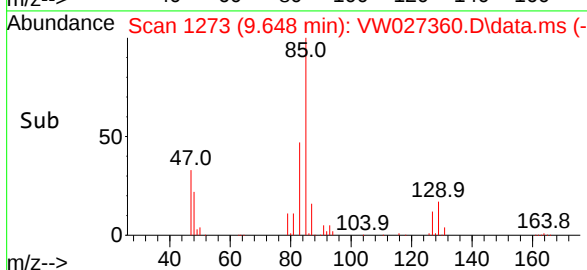
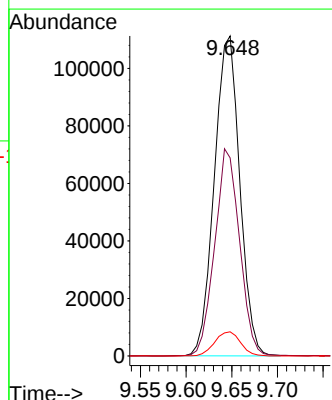
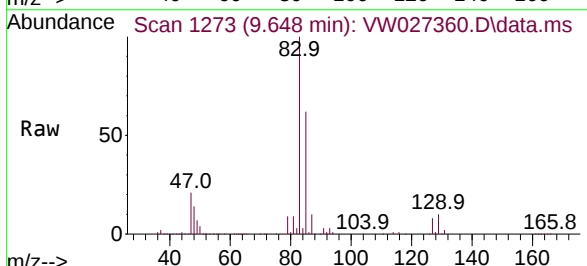
Tgt Ion: 83 Resp: 215497

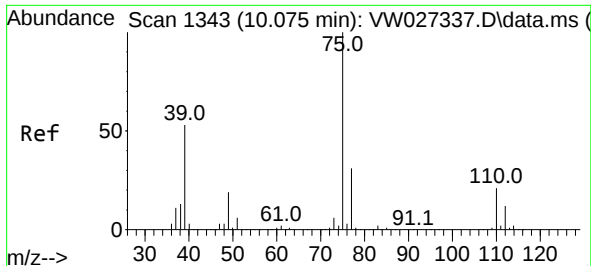
Ion Ratio Lower Upper

83 100

85 61.9 43.9 81.5

127 7.6 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 24.831 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

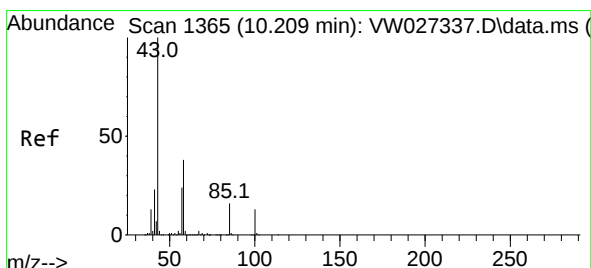
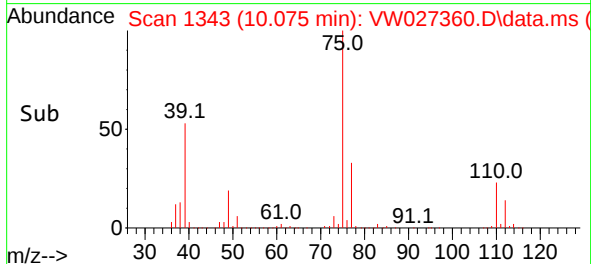
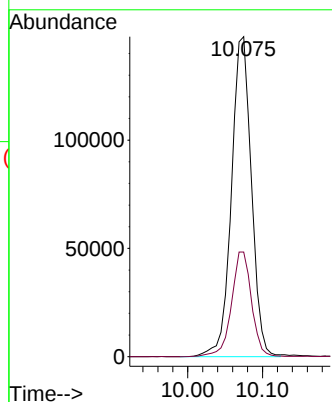
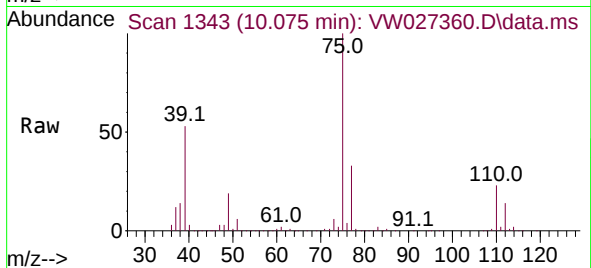
ClientSampleId :

Tgt Ion: 75 Resp: 274759

Ion Ratio Lower Upper

75 100

77 32.7 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 52.132 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

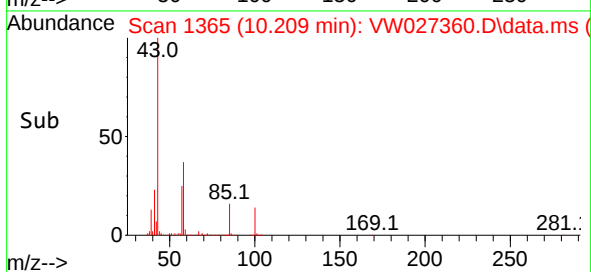
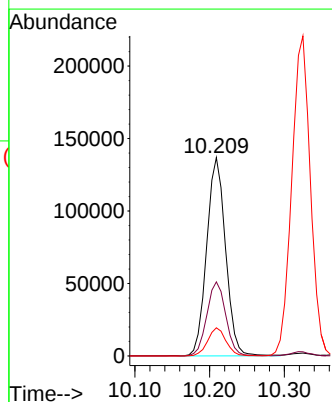
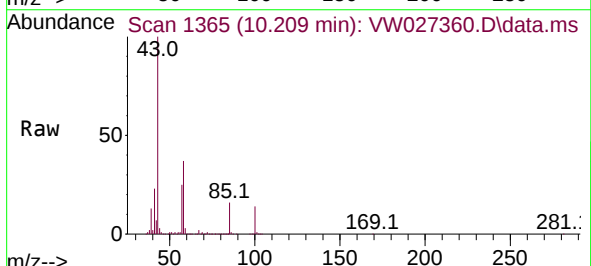
Tgt Ion: 43 Resp: 240153

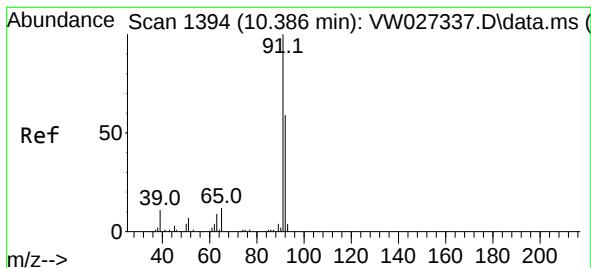
Ion Ratio Lower Upper

43 100

58 37.5 30.5 45.7

100 13.8 11.5 17.3





#42

Toluene

Concen: 26.510 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

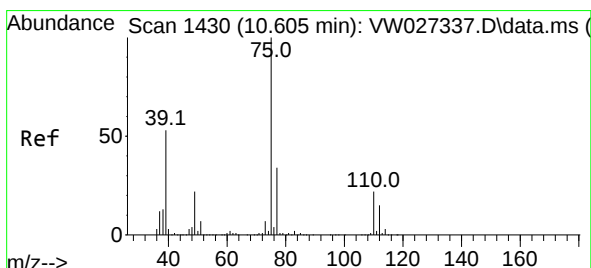
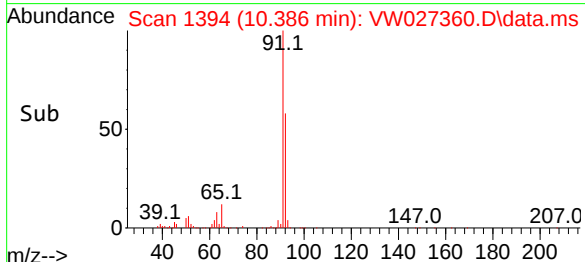
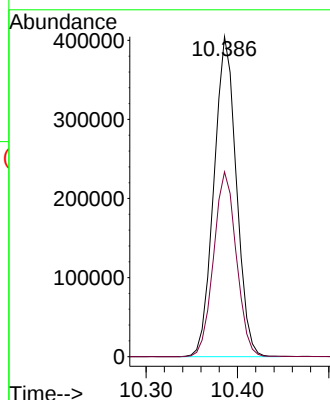
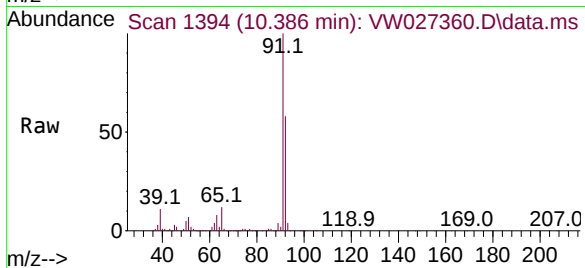
ClientSampleId :

Tgt Ion: 91 Resp: 688953

Ion Ratio Lower Upper

91 100

92 57.8 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 24.914 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW027360.D

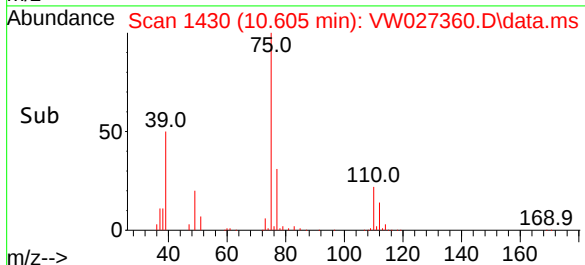
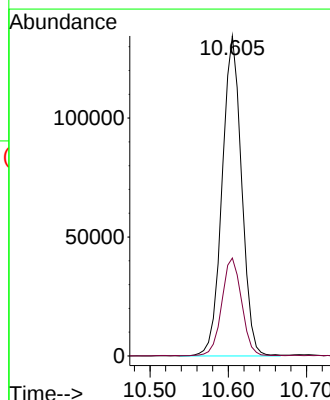
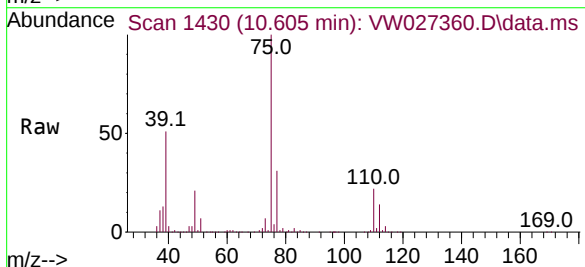
Acq: 19 Oct 2023 20:00

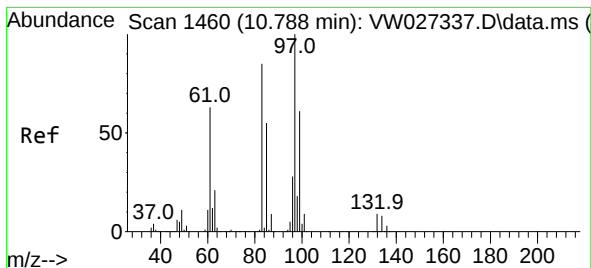
Tgt Ion: 75 Resp: 232609

Ion Ratio Lower Upper

75 100

77 30.6 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 27.284 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 125763

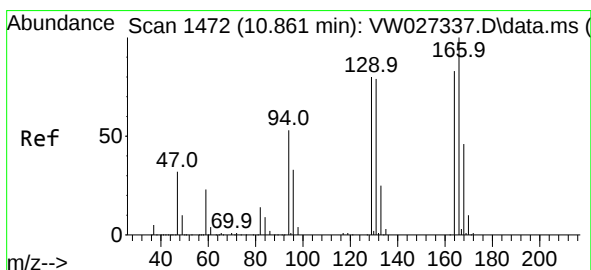
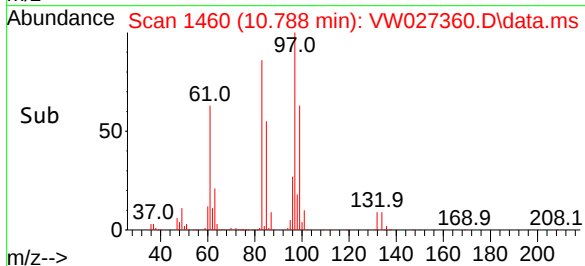
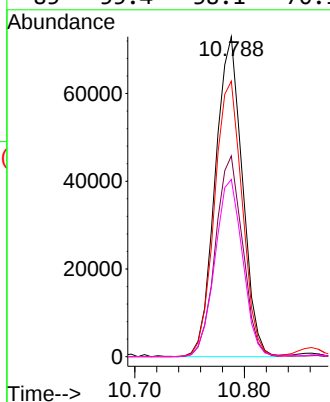
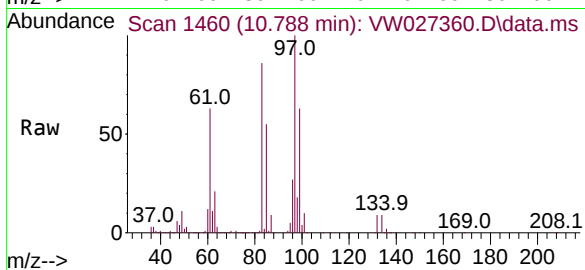
Ion Ratio Lower Upper

97 100

99 62.7 43.8 81.4

83 86.1 57.5 106.7

85 55.4 38.1 70.9



#46

Tetrachloroethene

Concen: 24.042 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Tgt Ion:164 Resp: 108634

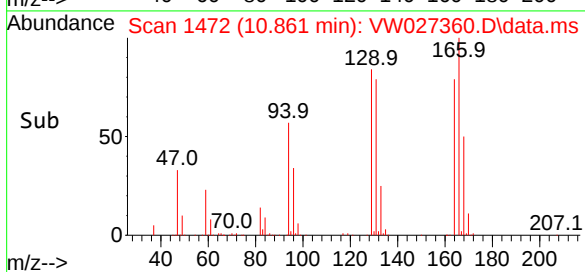
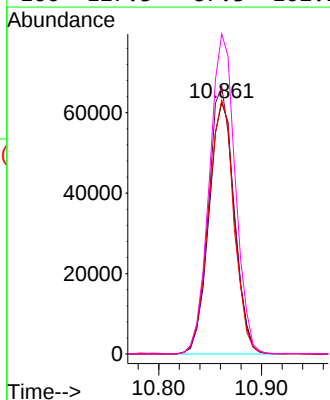
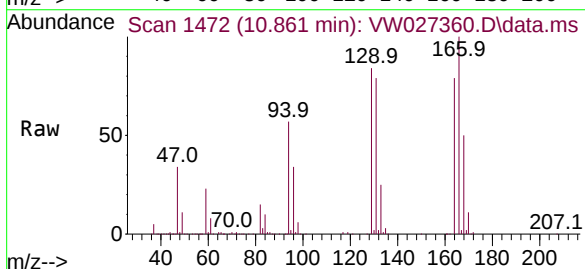
Ion Ratio Lower Upper

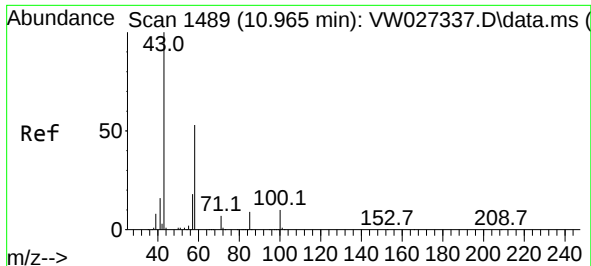
164 100

129 106.5 74.7 138.7

131 100.9 73.2 136.0

166 127.3 87.3 162.1





#48

2-Hexanone

Concen: 43.360 ug/L

RT: 10.965 min Scan# 14

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 147836

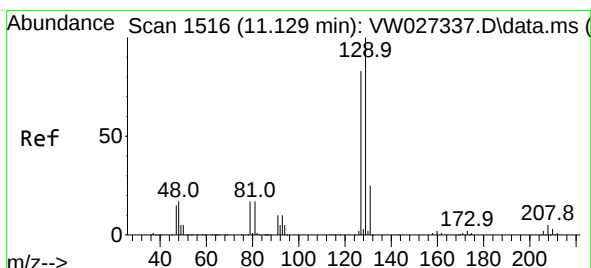
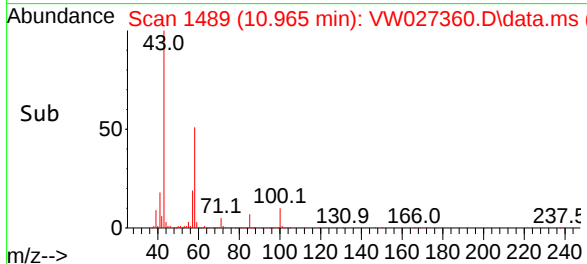
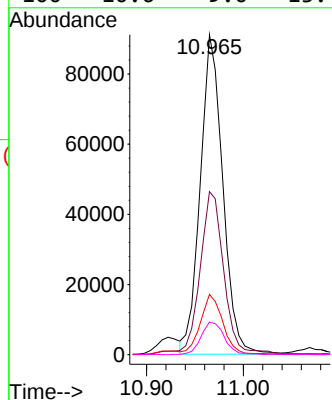
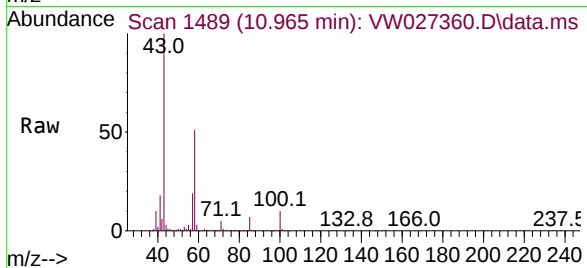
Ion Ratio Lower Upper

43 100

58 52.5 42.2 63.4

57 18.9 15.1 22.7

100 10.6 9.0 13.4



#49

Dibromochloromethane

Concen: 25.360 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.006 min

Lab File: VW027360.D

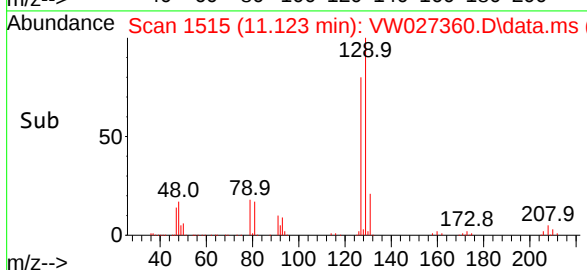
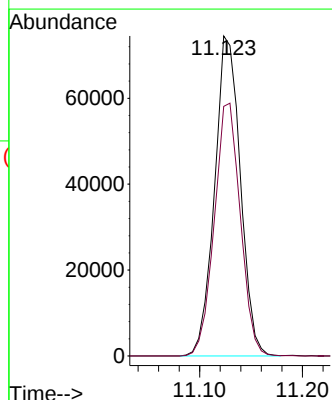
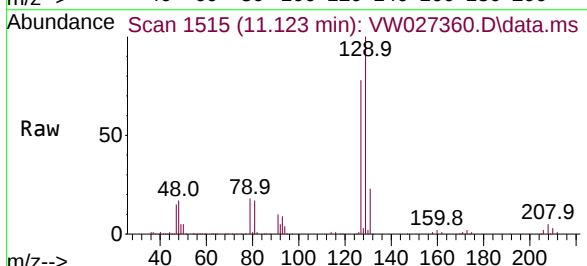
Acq: 19 Oct 2023 20:00

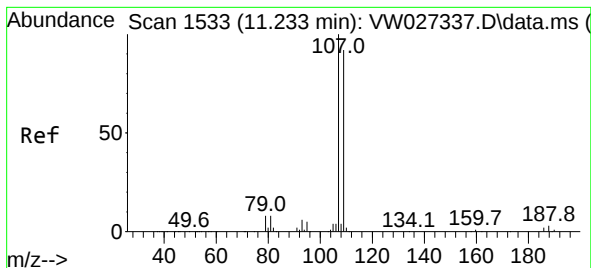
Tgt Ion:129 Resp: 129821

Ion Ratio Lower Upper

129 100

127 78.0 51.7 95.9

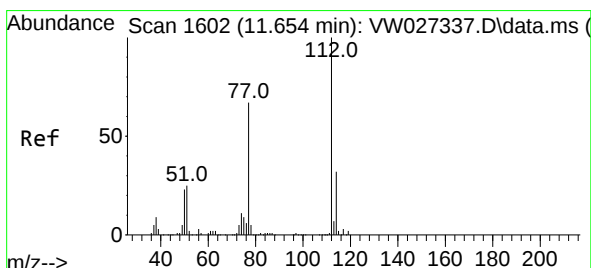
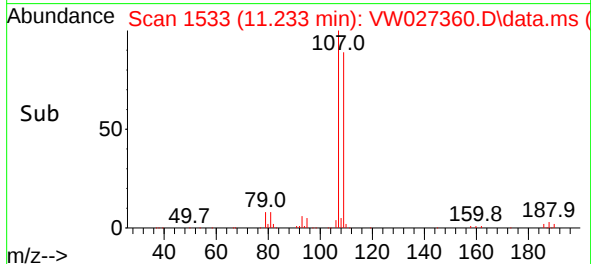
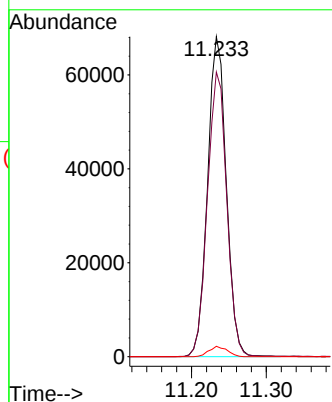
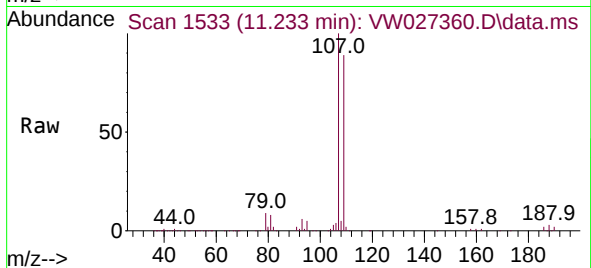




#50
1,2-Dibromoethane
Concen: 26.522 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

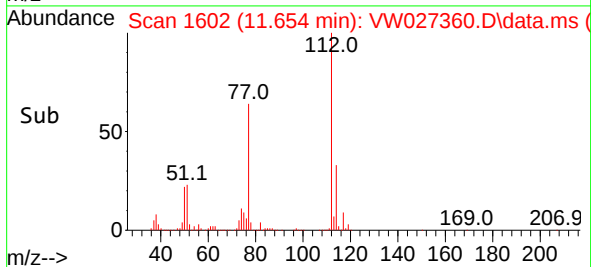
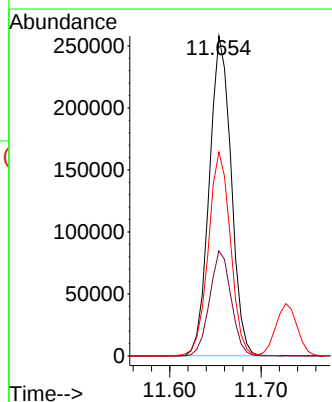
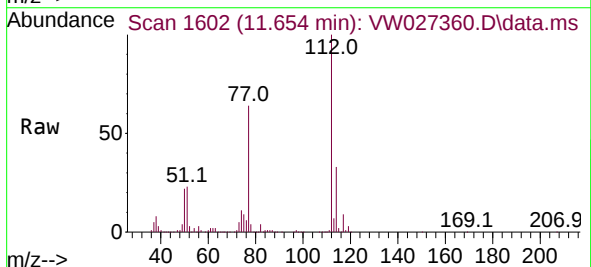
Instrument :
MSVOA_W
ClientSampleId :

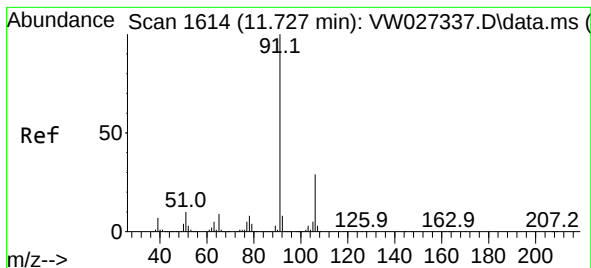
Tgt Ion:107 Resp: 118528
Ion Ratio Lower Upper
107 100
109 88.9 66.3 123.1
188 3.3 3.0 4.4



#51
Chlorobenzene
Concen: 26.242 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

Tgt Ion:112 Resp: 427054
Ion Ratio Lower Upper
112 100
114 32.9 21.8 40.6
77 63.7 52.2 78.4





#52

Ethylbenzene

Concen: 26.050 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

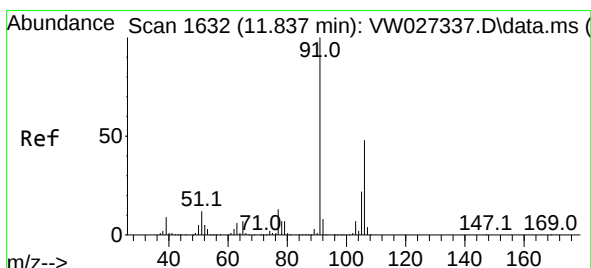
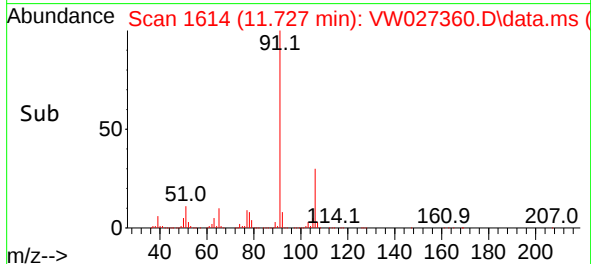
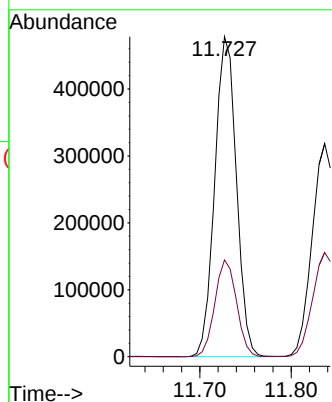
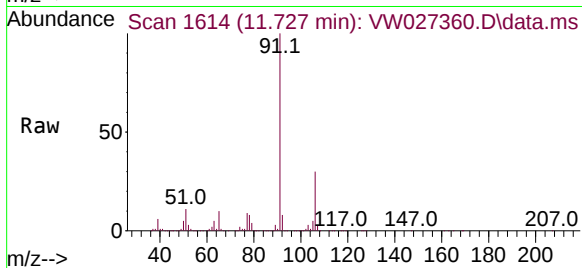
ClientSampleId :

Tgt Ion: 91 Resp: 786701

Ion Ratio Lower Upper

91 100

106 30.3 19.8 36.8



#53

m,p-Xylene

Concen: 25.301 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW027360.D

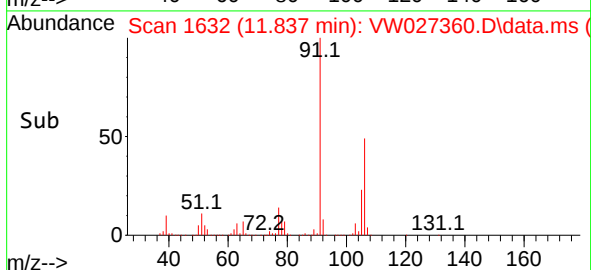
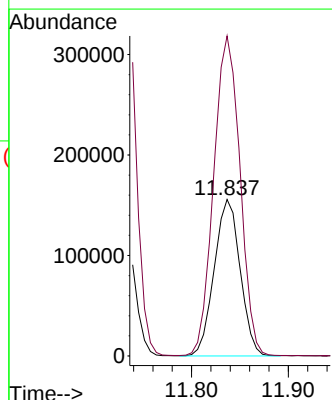
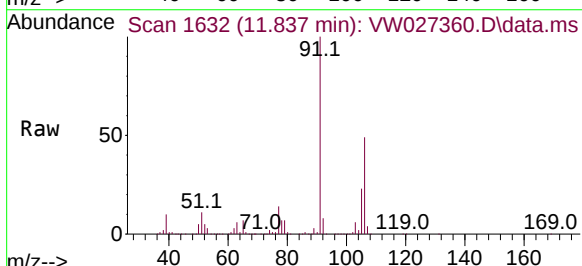
Acq: 19 Oct 2023 20:00

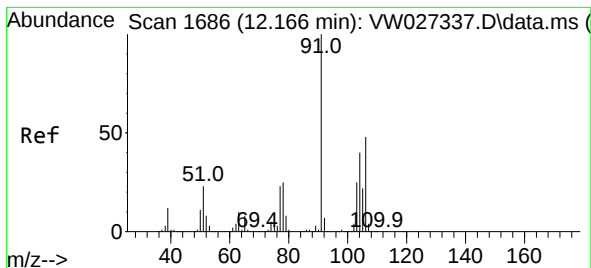
Tgt Ion:106 Resp: 289803

Ion Ratio Lower Upper

106 100

91 204.5 144.5 268.4





#54

o-Xylene

Concen: 25.844 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

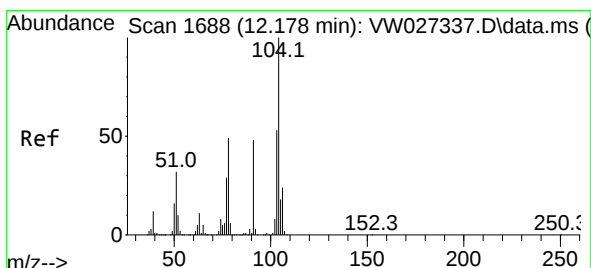
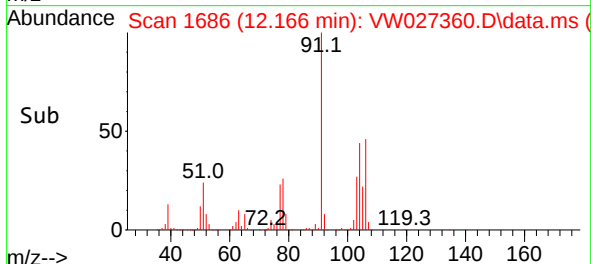
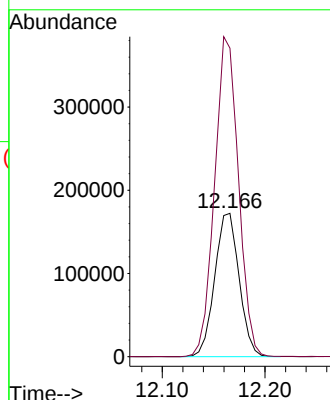
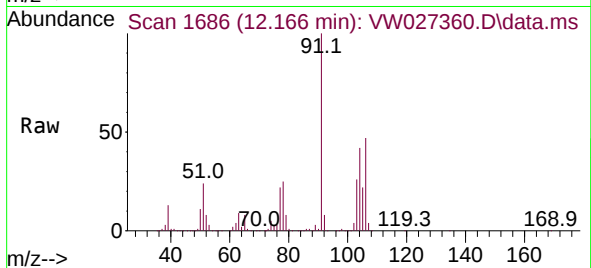
ClientSampleId :

Tgt Ion:106 Resp: 283474

Ion Ratio Lower Upper

106 100

91 215.0 152.0 282.2



#55

Styrene

Concen: 25.869 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW027360.D

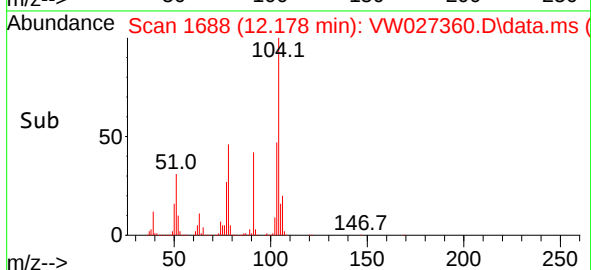
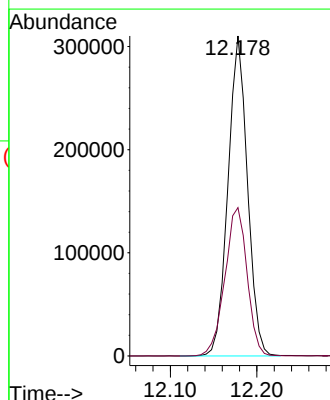
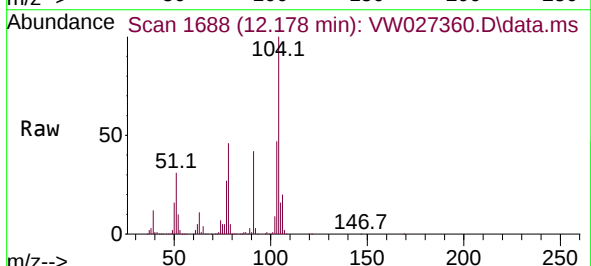
Acq: 19 Oct 2023 20:00

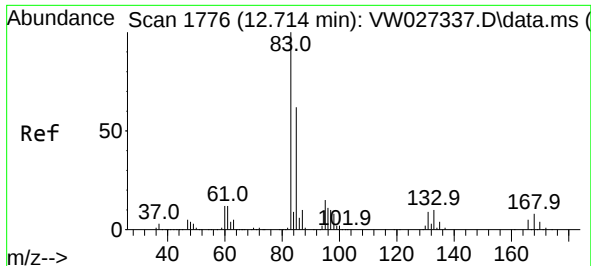
Tgt Ion:104 Resp: 484616

Ion Ratio Lower Upper

104 100

78 46.4 33.2 61.6





#57

1,1,2-Tetrachloroethane

Concen: 27.033 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

ClientSampleId :

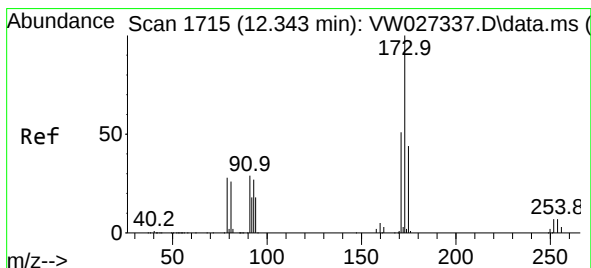
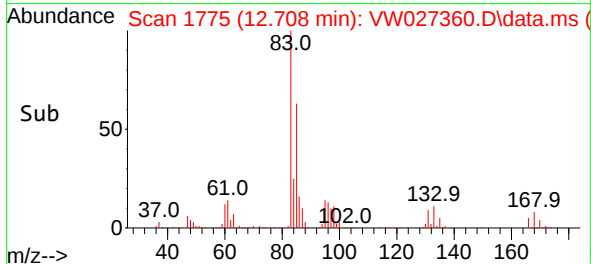
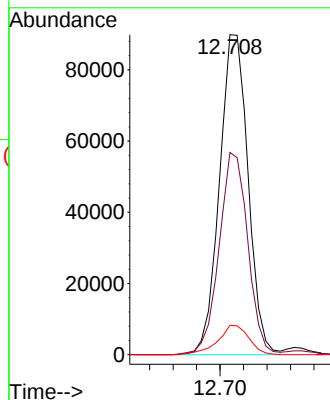
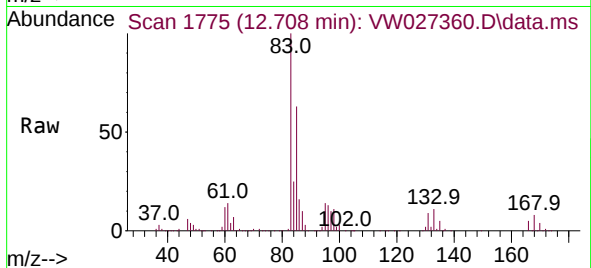
Tgt Ion: 83 Resp: 152115

Ion Ratio Lower Upper

83 100

85 63.2 43.2 80.2

131 9.2 7.2 10.8



#59

Bromoform

Concen: 25.513 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

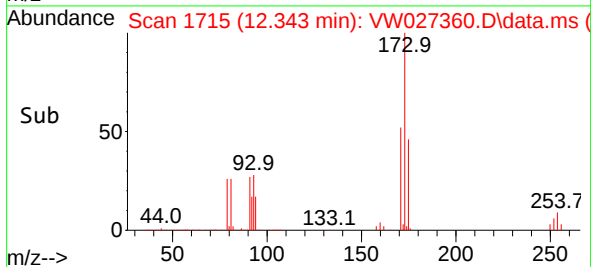
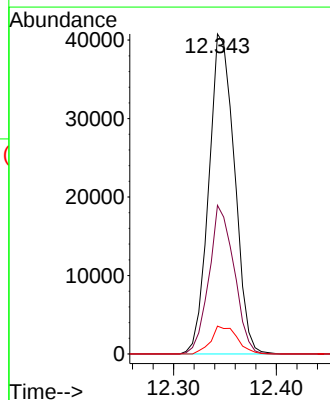
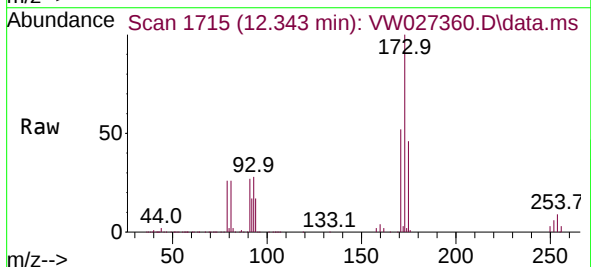
Tgt Ion:173 Resp: 70638

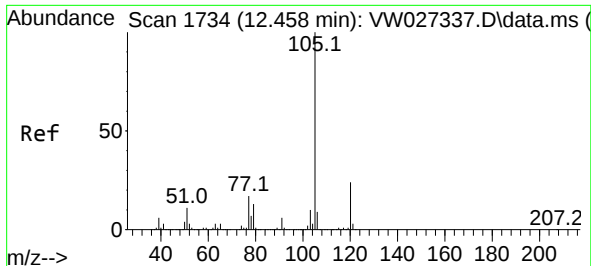
Ion Ratio Lower Upper

173 100

175 45.5 39.6 59.4

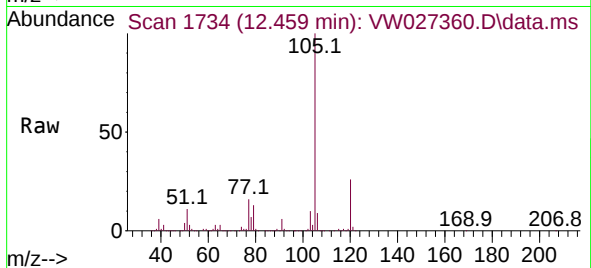
254 8.8 6.6 10.0



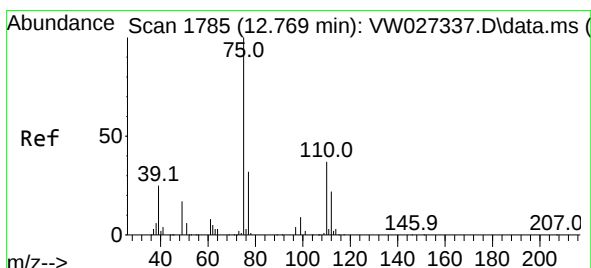
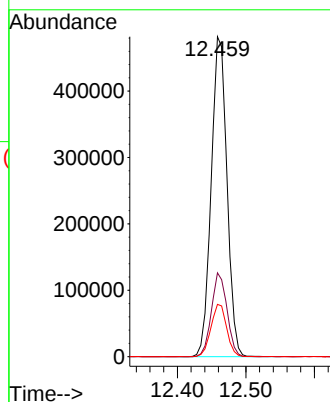
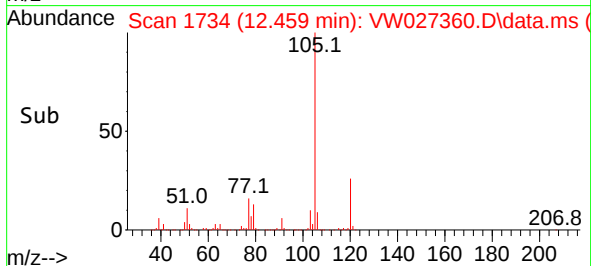


#60
Isopropylbenzene
Concen: 26.390 ug/L
RT: 12.459 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

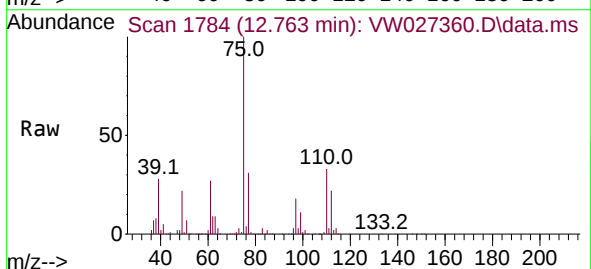
Instrument :
MSVOA_W
ClientSampleId :



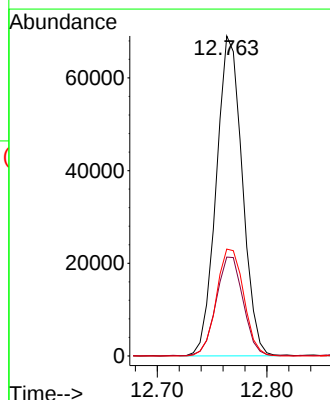
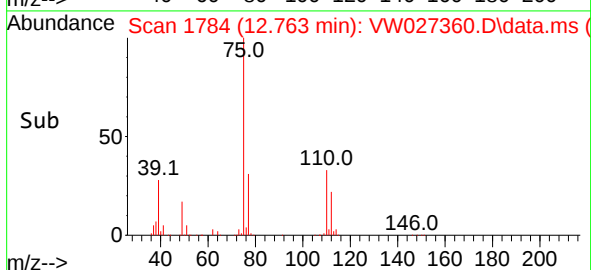
Tgt Ion:105 Resp: 771372
Ion Ratio Lower Upper
105 100
120 25.8 20.1 30.1
77 16.4 12.9 19.3

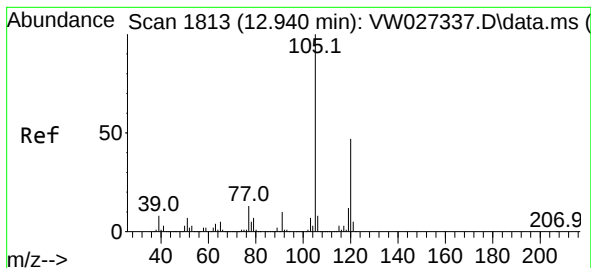


#61
1,2,3-Trichloropropane
Concen: 28.055 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00



Tgt Ion: 75 Resp: 113979
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0
110 35.1 29.7 44.5

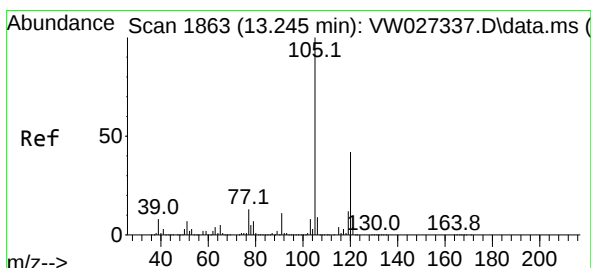
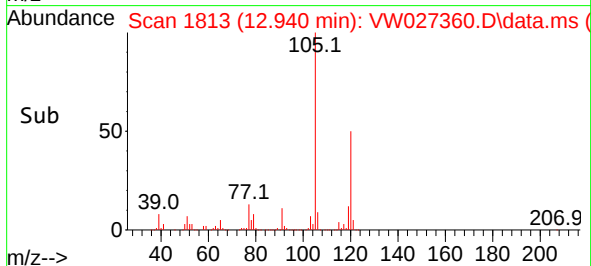
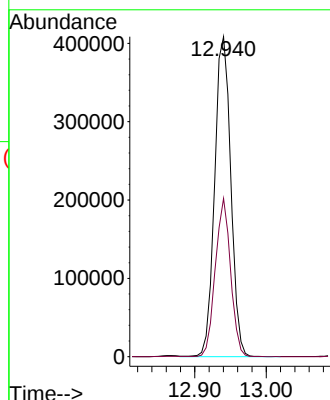
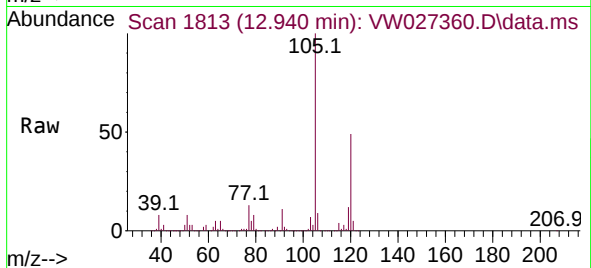




#62
1,3,5-Trimethylbenzene
Concen: 26.243 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

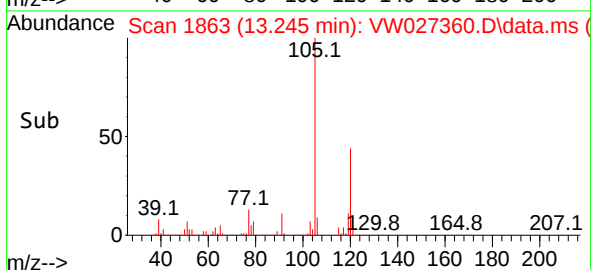
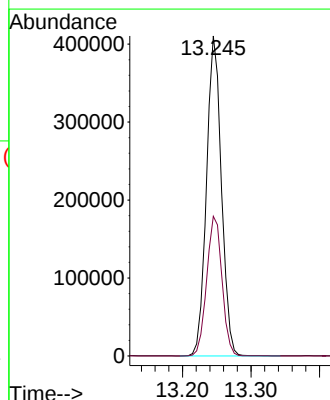
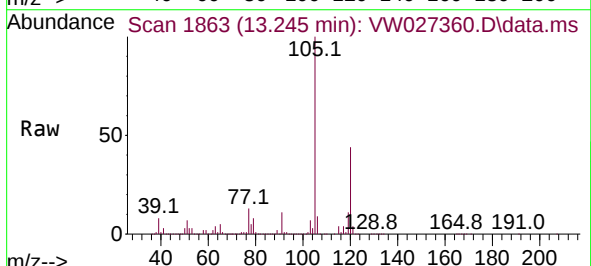
Instrument :
MSVOA_W
ClientSampleId :

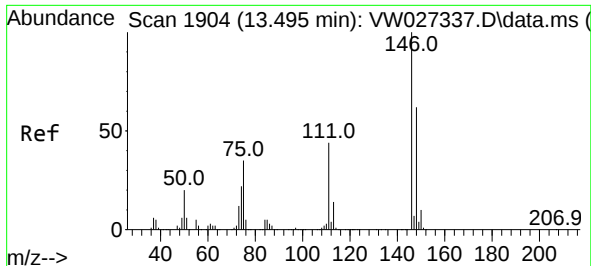
Tgt Ion:105 Resp: 639840
Ion Ratio Lower Upper
105 100
120 46.7 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 26.042 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

Tgt Ion:105 Resp: 621254
Ion Ratio Lower Upper
105 100
120 44.8 35.4 53.2

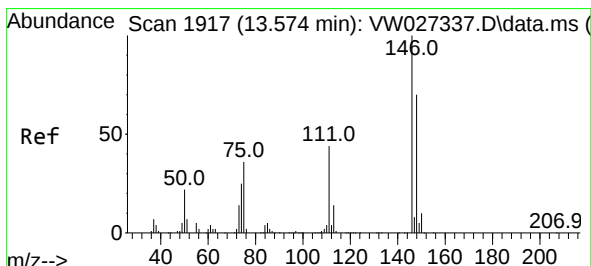
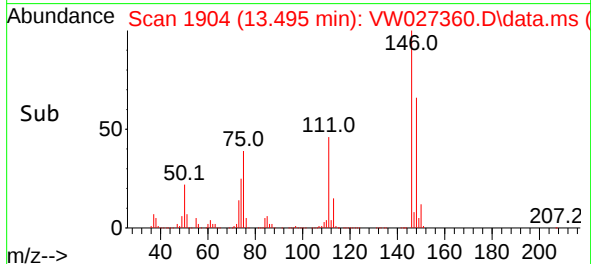
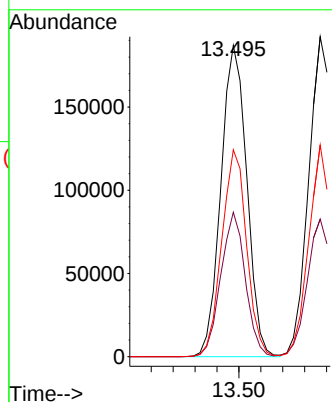
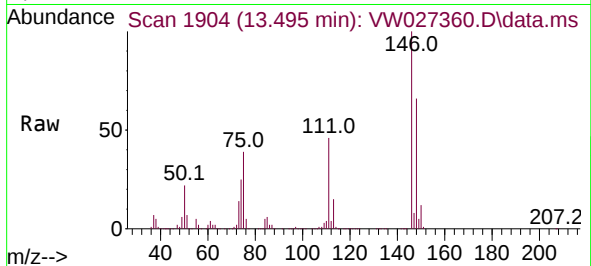




#64
1,3-Dichlorobenzene
Concen: 25.876 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

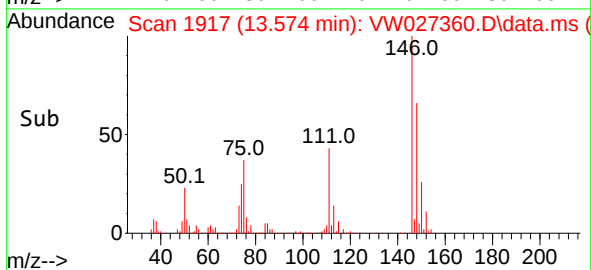
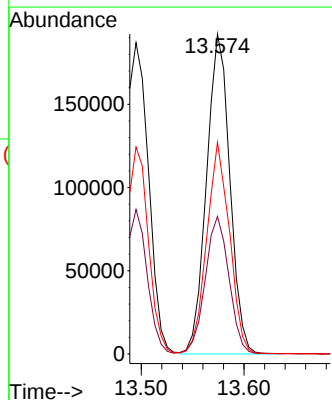
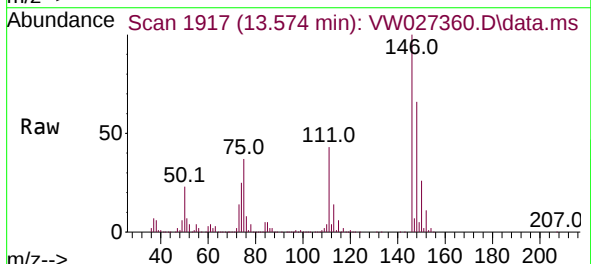
Instrument :
MSVOA_W
ClientSampleId :

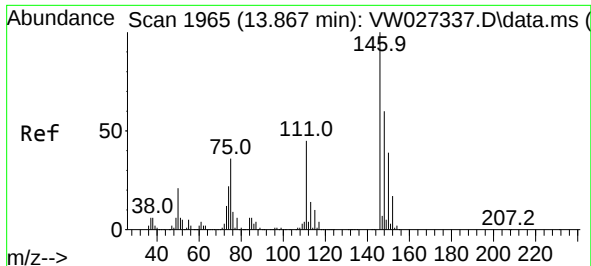
Tgt Ion:146 Resp: 306718
Ion Ratio Lower Upper
146 100
111 46.4 30.8 57.2
148 66.5 46.3 85.9



#65
1,4-Dichlorobenzene
Concen: 25.613 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027360.D
Acq: 19 Oct 2023 20:00

Tgt Ion:146 Resp: 303182
Ion Ratio Lower Upper
146 100
111 43.0 29.5 54.9
148 66.1 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 25.982 ug/L

RT: 13.861 min Scan# 1965

Delta R.T. -0.006 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

ClientSampleId :

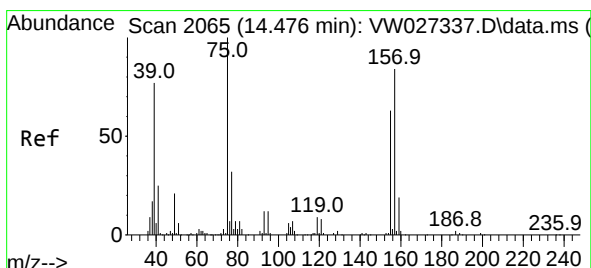
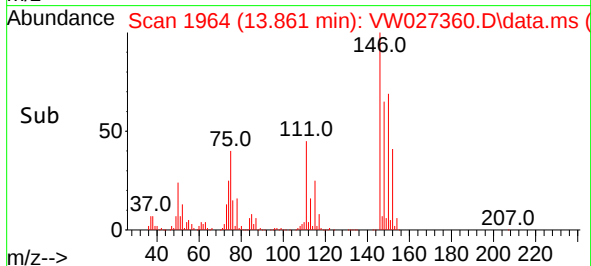
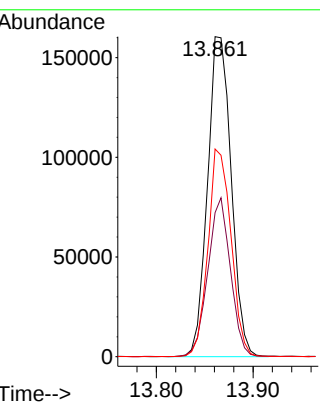
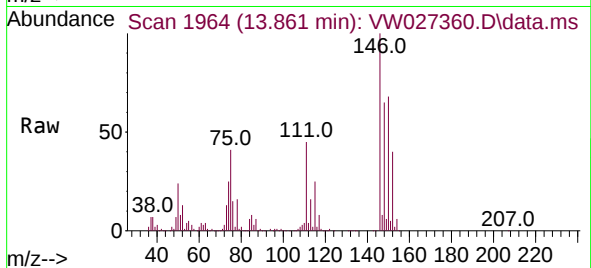
Tgt Ion:146 Resp: 273281

Ion Ratio Lower Upper

146 100

111 45.0 36.8 55.2

148 64.9 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 24.086 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

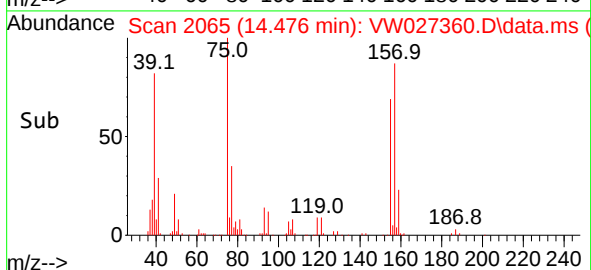
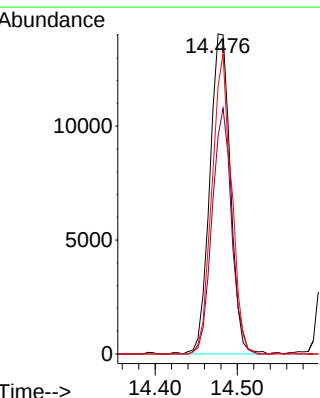
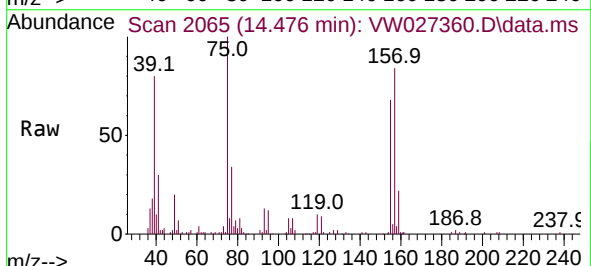
Tgt Ion: 75 Resp: 24456

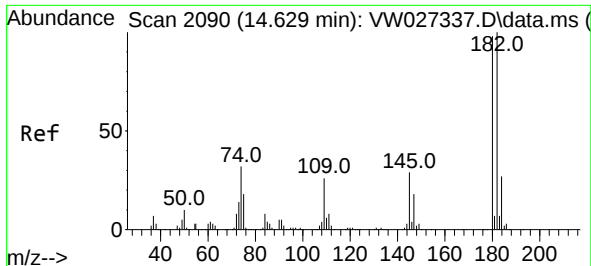
Ion Ratio Lower Upper

75 100

155 68.0 54.9 82.3

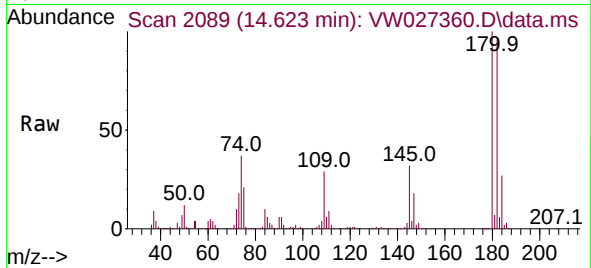
157 83.8 64.7 97.1



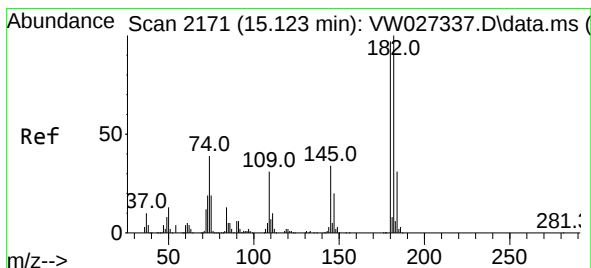
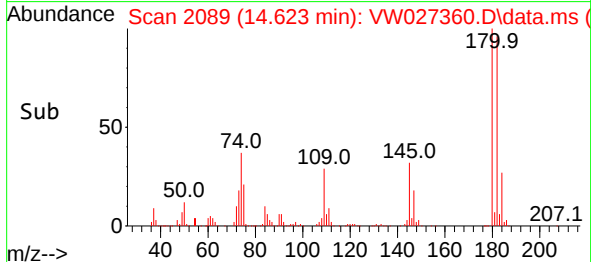
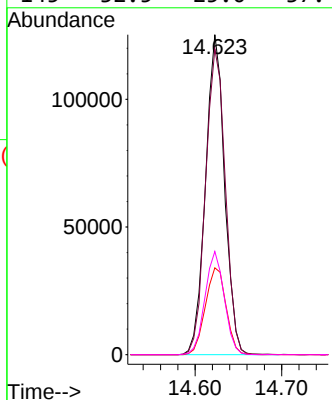


#69
 1,3,5-Trichlorobenzene
 Concen: 24.989 ug/L
 RT: 14.623 min Scan# 2090
 Delta R.T. -0.006 min
 Lab File: VW027360.D
 Acq: 19 Oct 2023 20:00

Instrument :
 MSVOA_W
 ClientSampleId :

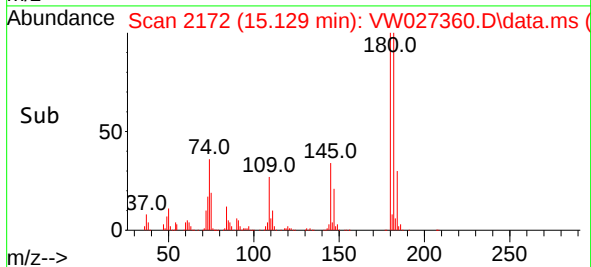
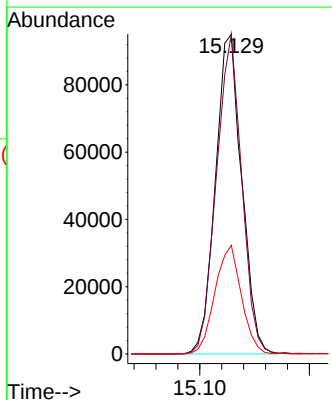
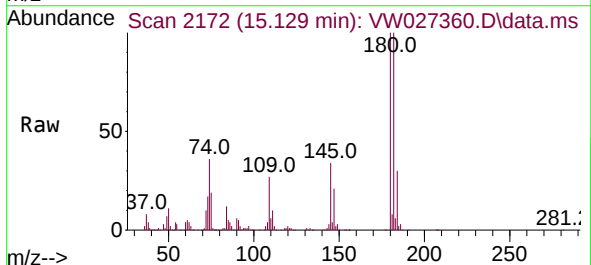


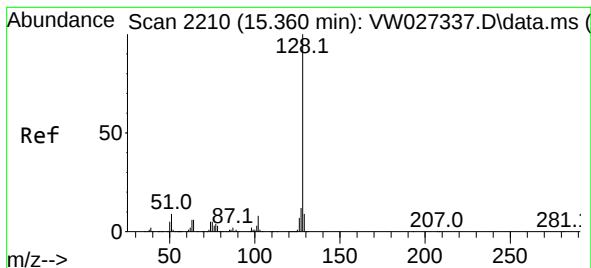
Tgt Ion:180 Resp: 192285
 Ion Ratio Lower Upper
 180 100
 182 98.7 73.4 110.0
 184 29.4 23.3 34.9
 145 32.5 25.0 37.4



#70
 1,2,4-trichlorobenzene
 Concen: 24.175 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.006 min
 Lab File: VW027360.D
 Acq: 19 Oct 2023 20:00

Tgt Ion:180 Resp: 158327
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.5 113.3
 145 34.2 26.4 39.6





#71

Naphthalene

Concen: 24.933 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Instrument :

MSVOA_W

ClientSampleId :

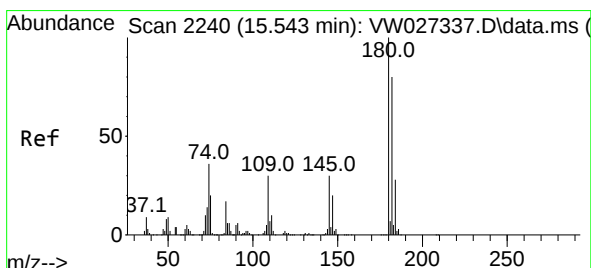
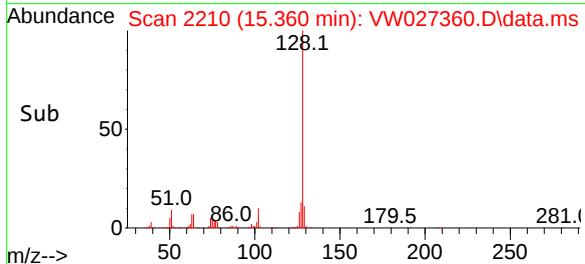
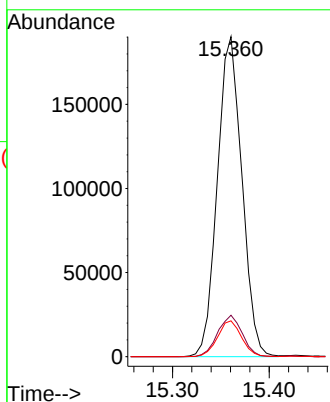
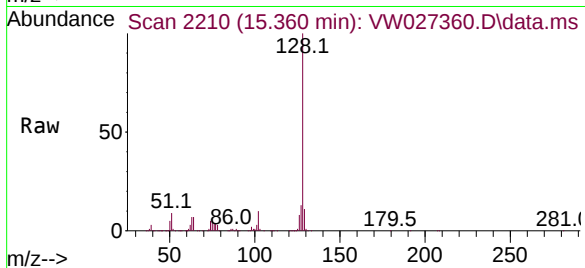
Tgt Ion:128 Resp: 335800

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 25.433 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW027360.D

Acq: 19 Oct 2023 20:00

Tgt Ion:180 Resp: 136968

Ion Ratio Lower Upper

180 100

182 95.2 81.1 121.7

145 34.6 30.6 45.8

