

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
 Data File : VW026437.D
 Acq On : 29 Jun 2023 16:45
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV477

Quant Time: Jun 30 01:12:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 30 01:06:07 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	871515	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	767136	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	372342	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	218433	22.013	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.040%
7) Chloroethane-d5	2.893	69	167796	20.766	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.080%
11) 1,1-Dichloroethene-d2	4.027	65	105059	21.160	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.640%
21) 2-Butanone-d5	7.075	46	156582	41.754	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.500%
24) Chloroform-d	7.648	84	451977	21.277	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.120%
26) 1,2-Dichloroethane-d4	8.307	65	240804	20.739	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.960%
32) Benzene-d6	8.276	84	923034	20.689	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.760%
36) 1,2-Dichloropropane-d6	9.270	67	295895	20.809	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.240%
41) Toluene-d8	10.325	98	815492	20.692	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.760%
43) trans-1,3-Dichloroprop...	10.575	79	115478	20.147	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.600%
47) 2-Hexanone-d5	10.922	63	104420	43.910	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.820%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	233038	21.225	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.880%
66) 1,2-Dichlorobenzene-d4	13.848	152	262069	20.214	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	214267	25.195	ug/L	94
3) Chloromethane	2.229	50	324617	27.079	ug/L	100
5) Vinyl chloride	2.375	62	307534	24.891	ug/L	100
6) Bromomethane	2.789	94	169566	24.133	ug/L	99
8) Chloroethane	2.930	64	178463	23.816	ug/L	99
9) Trichlorofluoromethane	3.265	101	206239	22.957	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	240196	24.088	ug/L	96
12) 1,1-Dichloroethene	4.045	96	238527	24.440	ug/L	95
13) Acetone	4.118	43	102121	38.548	ug/L	98
14) Carbon disulfide	4.393	76	810646	25.665	ug/L	98
15) Methyl Acetate	4.667	43	153932	26.761	ug/L	99
16) Methylene chloride	4.923	84	310258	21.068	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	262425	24.997	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	448617	26.148	ug/L	100
19) 1,1-Dichloroethane	6.216	63	546034	25.848	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	293797	24.707	ug/L	97
22) 2-Butanone	7.173	43	196899	45.334	ug/L	99
23) Bromochloromethane	7.514	128	124722	25.218	ug/L	93
25) Chloroform	7.673	83	500479	24.409	ug/L	100

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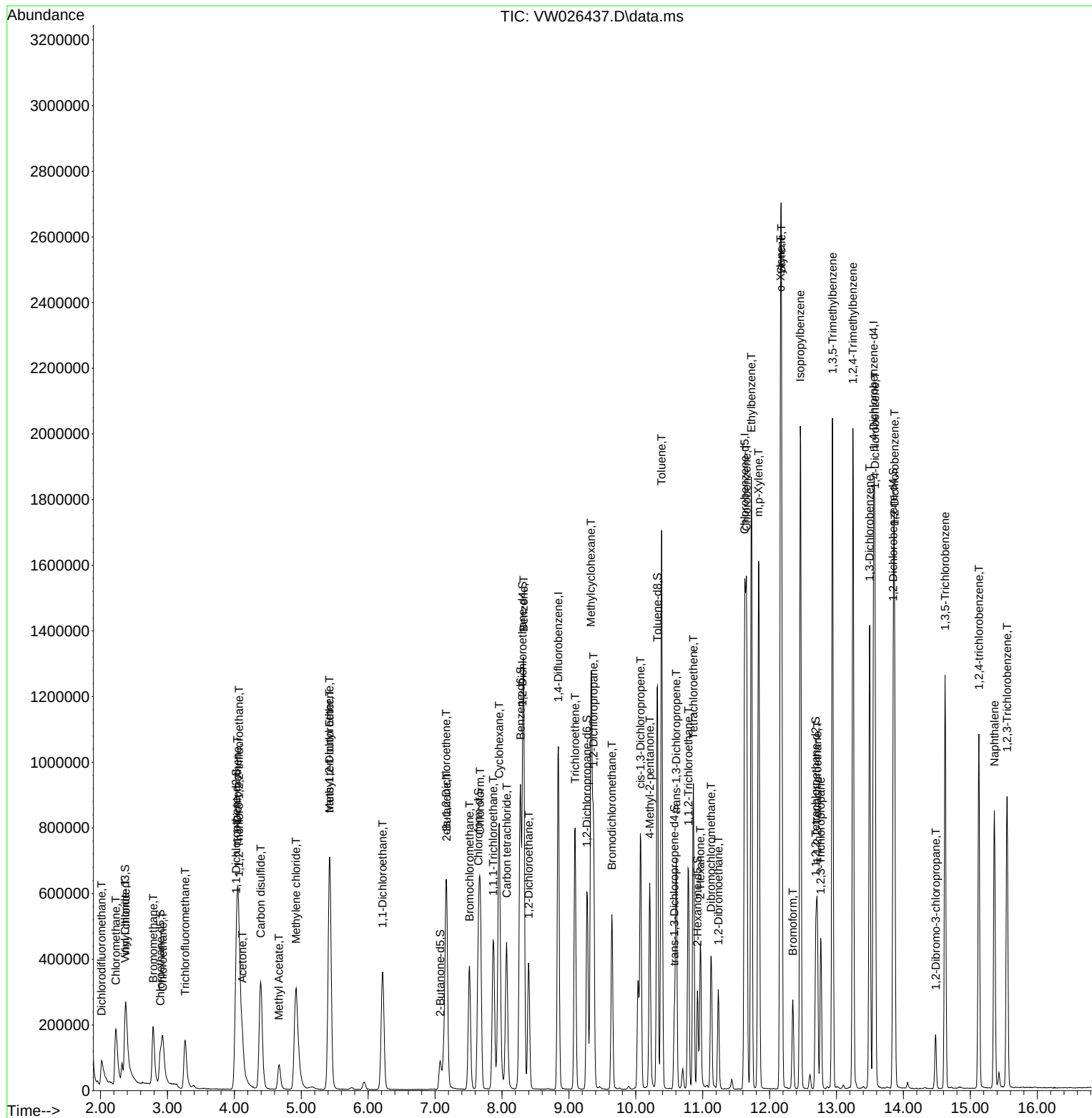
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	344709	24.588	ug/L	100
29) Cyclohexane	7.959	56	515220	23.691	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	388290	23.760	ug/L	99
31) Carbon tetrachloride	8.069	117	335912	22.831	ug/L	98
33) Benzene	8.325	78	1154743	24.037	ug/L	100
34) Trichloroethene	9.093	95	287283	23.476	ug/L	99
35) Methylcyclohexane	9.331	83	524371	24.052	ug/L	100
37) 1,2-Dichloropropane	9.367	63	314121	24.631	ug/L	100
38) Bromodichloromethane	9.642	83	355138	24.811	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	462550	24.233	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	439370	50.177	ug/L	99
42) Toluene	10.386	91	1194606	24.306	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	383866	24.607	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	213839	24.615	ug/L	99
46) Tetrachloroethene	10.861	164	202363	23.389	ug/L	90
48) 2-Hexanone	10.965	43	308551	52.498	ug/L	98
49) Dibromochloromethane	11.123	129	220634	25.499	ug/L	98
50) 1,2-Dibromoethane	11.233	107	200701	25.124	ug/L	97
51) Chlorobenzene	11.654	112	723800	23.801	ug/L	99
52) Ethylbenzene	11.727	91	1310196	23.690	ug/L	97
53) m,p-Xylene	11.837	106	499148	24.339	ug/L	100
54) o-Xylene	12.166	106	471811	24.806	ug/L	98
55) Styrene	12.178	104	826988	25.472	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.714	83	268381	25.300	ug/L	99
59) Bromoform	12.349	173	121249	24.593	ug/L	99
60) Isopropylbenzene	12.458	105	1301568	23.966	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	196920	24.197	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	1063663	24.630	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	1062366	25.181	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	535169	23.487	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	531187	23.440	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	484917	23.517	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.482	75	44916	24.085	ug/L	99
69) 1,3,5-Trichlorobenzene	14.623	180	356351	22.973	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	320625	23.882	ug/L	98
71) Naphthalene	15.360	128	699079	25.546	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	292821	25.363	ug/L	98

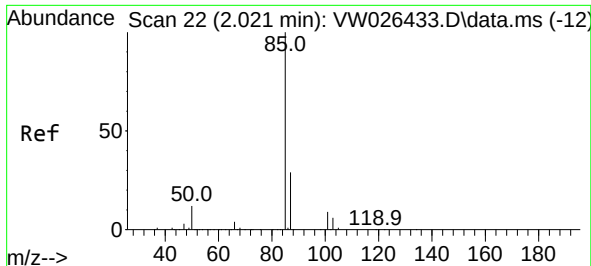
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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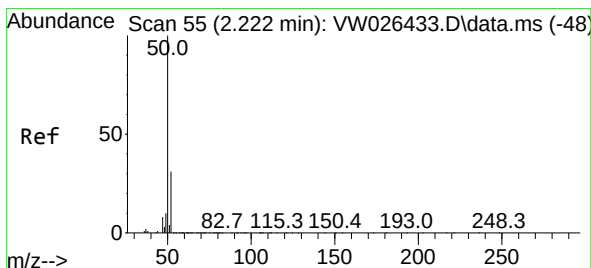
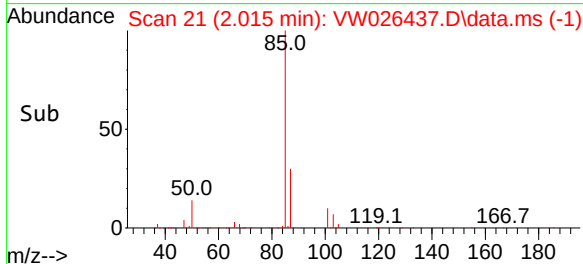
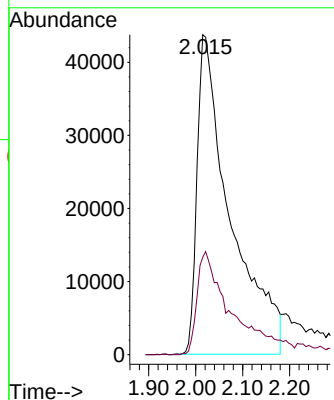
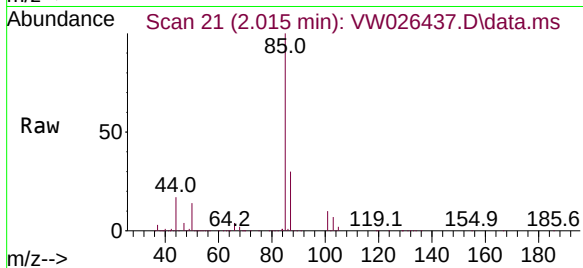




#2
Dichlorodifluoromethane
Concen: 25.195 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

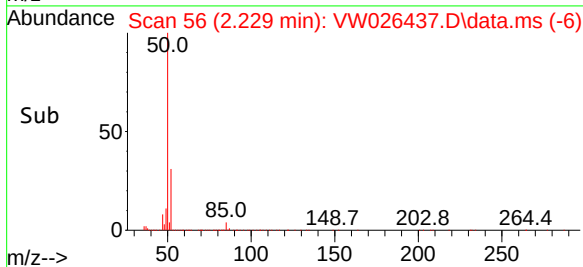
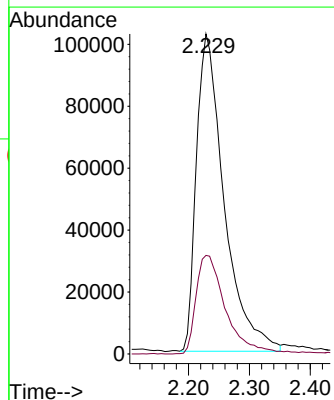
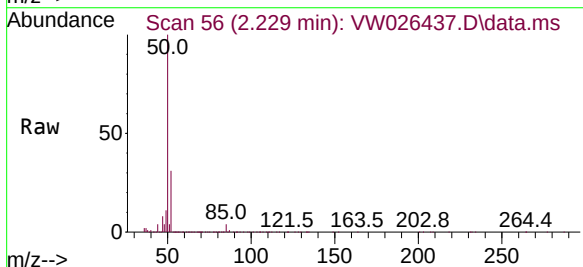
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MSVOA_W
ClientSampleId :
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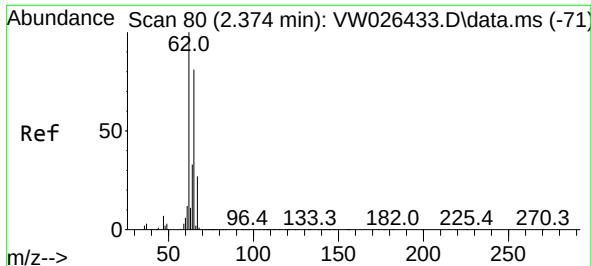
Tgt Ion: 85 Resp: 214267
Ion Ratio Lower Upper
85 100
87 20.7 19.0 28.4



#3
Chloromethane
Concen: 27.079 ug/L
RT: 2.229 min Scan# 56
Delta R.T. 0.006 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion: 50 Resp: 324617
Ion Ratio Lower Upper
50 100
52 30.8 21.7 40.3

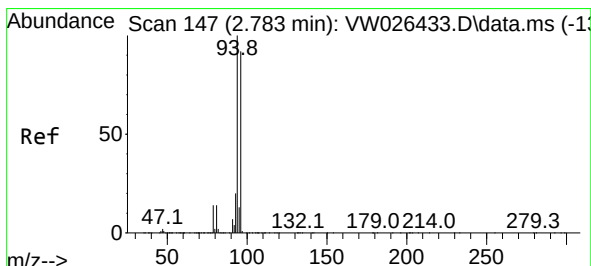
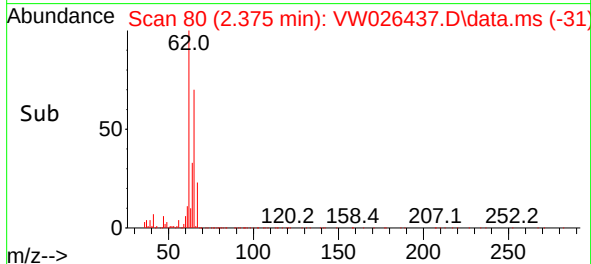
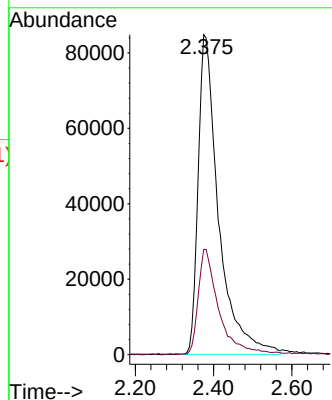
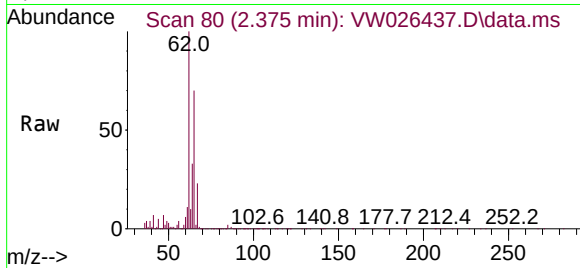




#5
 Vinyl chloride
 Concen: 24.891 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026437.D
 Acq: 29 Jun 2023 16:45

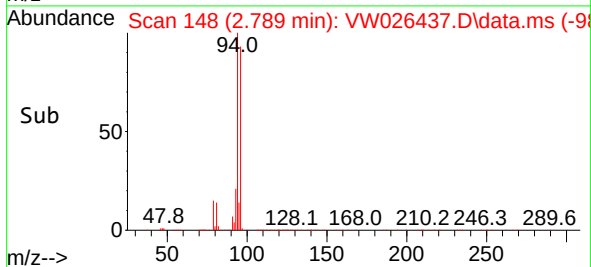
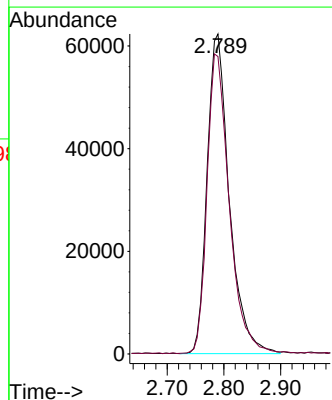
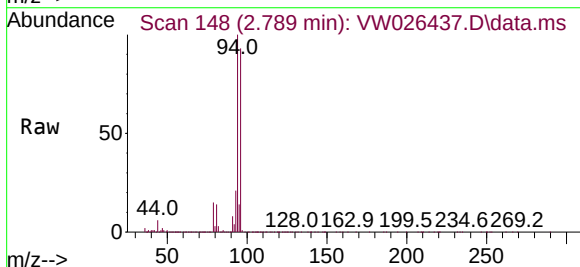
Instrument :
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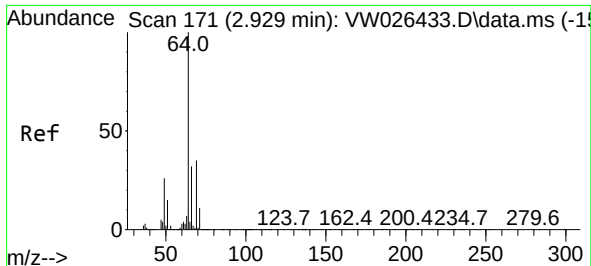
Tgt Ion: 62 Resp: 307534
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.0 42.8



#6
 Bromomethane
 Concen: 24.133 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.006 min
 Lab File: VW026437.D
 Acq: 29 Jun 2023 16:45

Tgt Ion: 94 Resp: 169566
 Ion Ratio Lower Upper
 94 100
 96 93.0 64.3 119.3

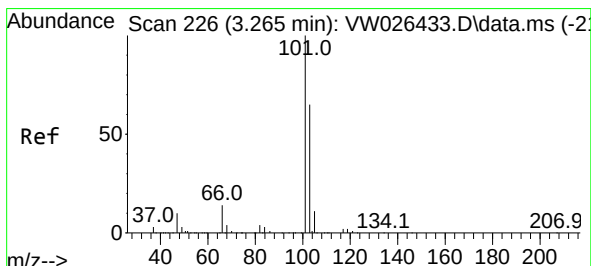
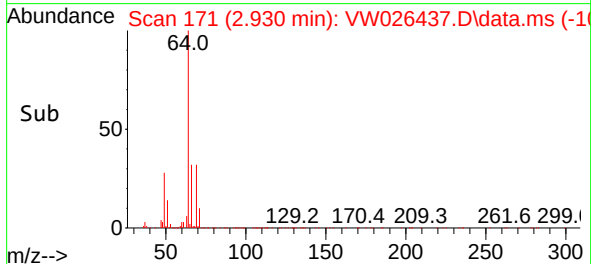
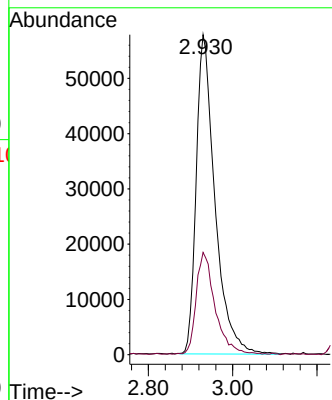
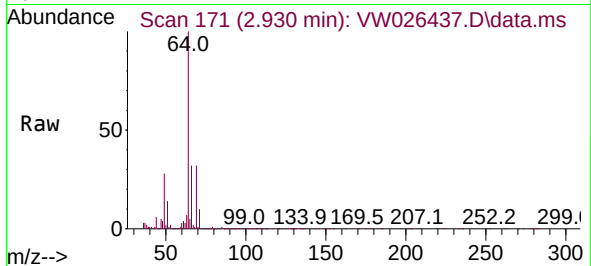




#8
Chloroethane
Concen: 23.816 ug/L
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

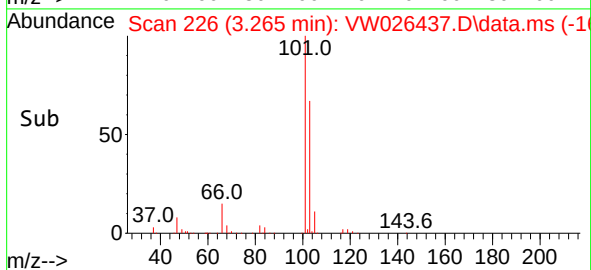
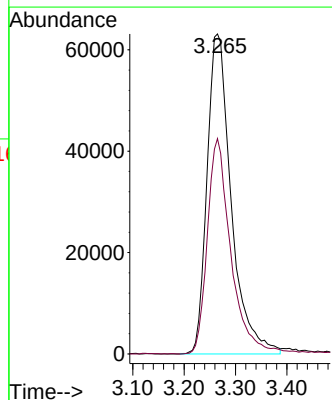
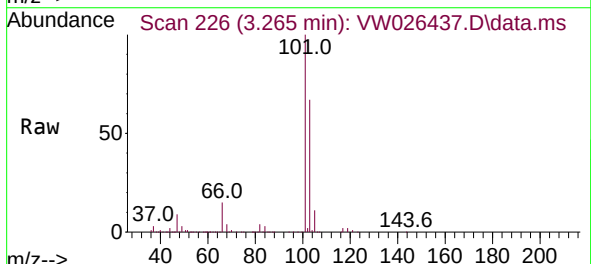
Instrument :
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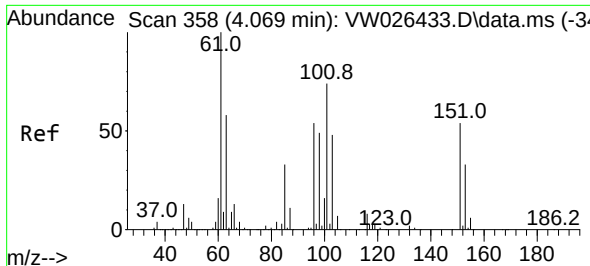
Tgt Ion: 64 Resp: 178463
Ion Ratio Lower Upper
64 100
66 32.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 22.957 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion:101 Resp: 206239
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

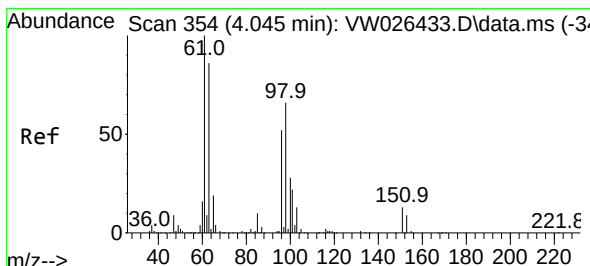
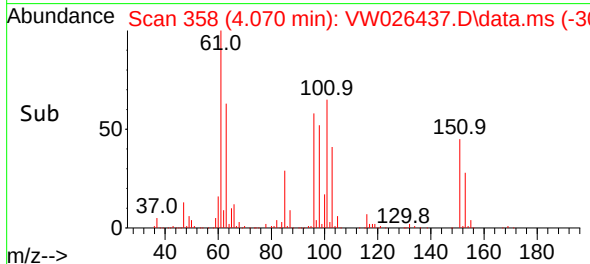
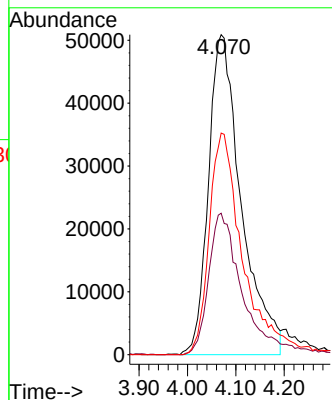
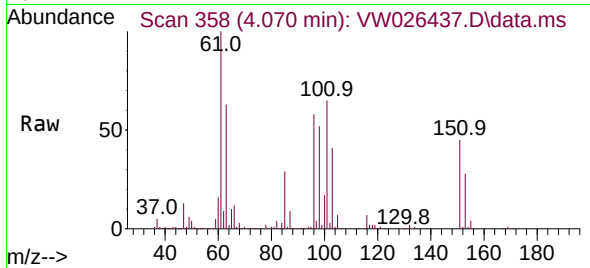




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.088 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: VW026437.D
 Acq: 29 Jun 2023 16:45

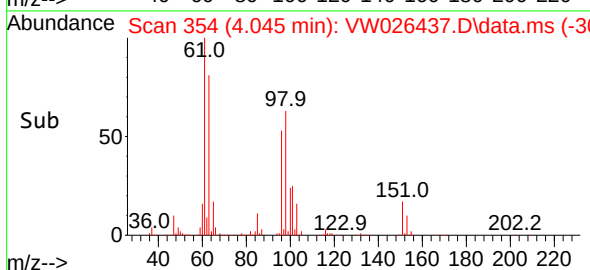
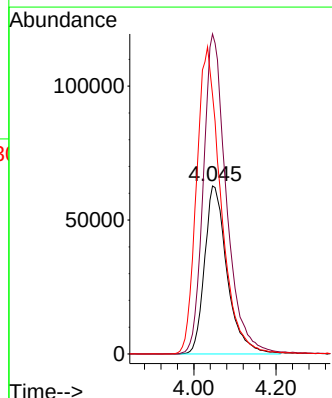
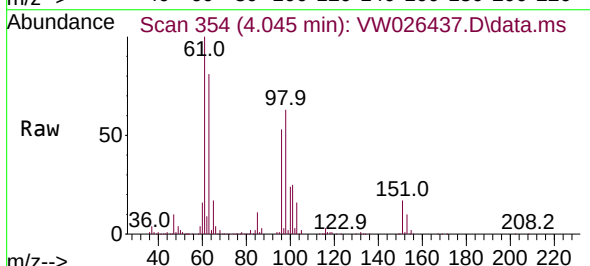
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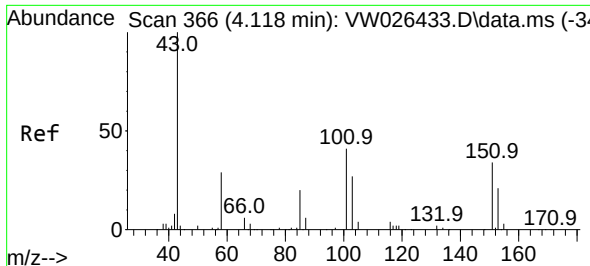
Tgt Ion:101 Resp: 240196
 Ion Ratio Lower Upper
 101 100
 85 43.8 34.1 51.1
 151 62.3 53.7 80.5



#12
 1,1-Dichloroethene
 Concen: 24.440 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW026437.D
 Acq: 29 Jun 2023 16:45

Tgt Ion: 96 Resp: 238527
 Ion Ratio Lower Upper
 96 100
 61 190.4 134.0 248.8
 63 154.4 117.1 217.5

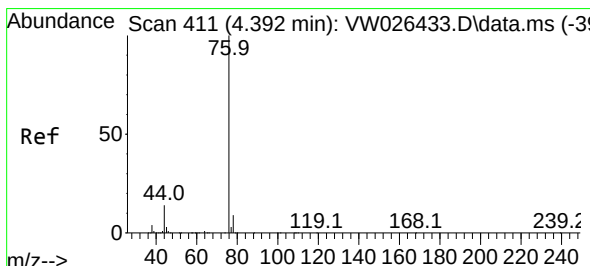
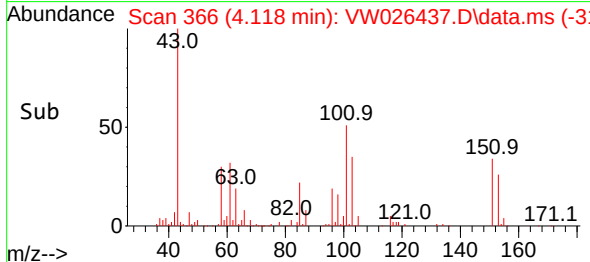
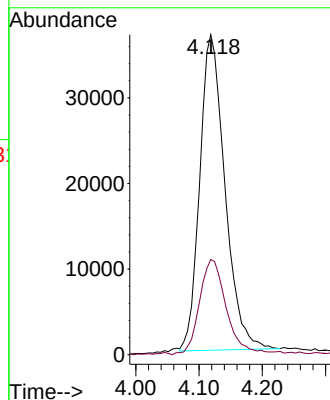
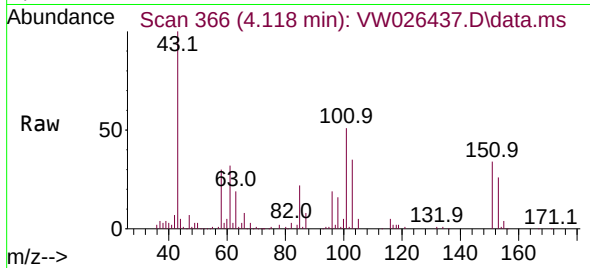




#13
Acetone
Concen: 38.548 ug/L
RT: 4.118 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

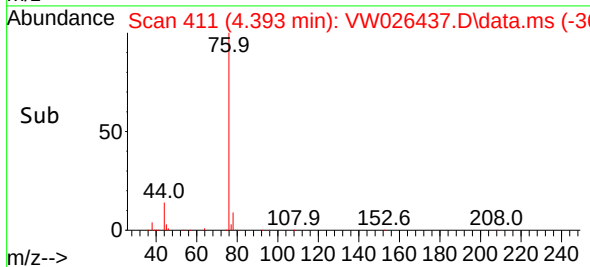
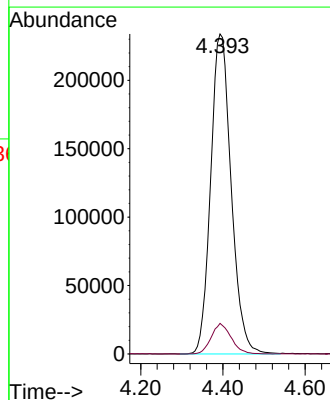
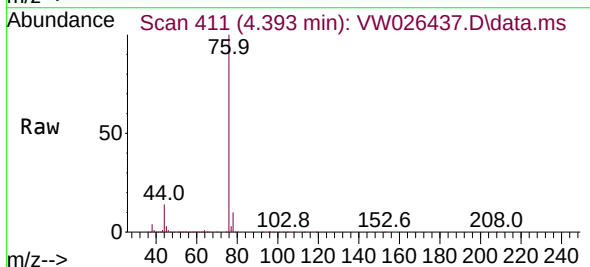
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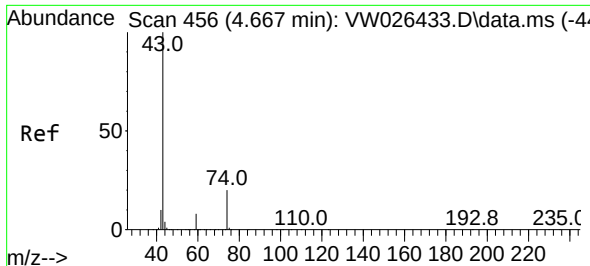
Tgt Ion: 43 Resp: 102121
Ion Ratio Lower Upper
43 100
58 30.7 0.0 63.2



#14
Carbon disulfide
Concen: 25.665 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 810646
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

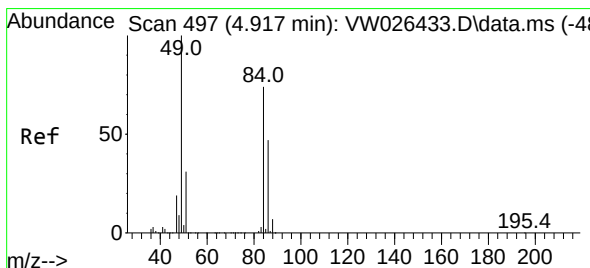
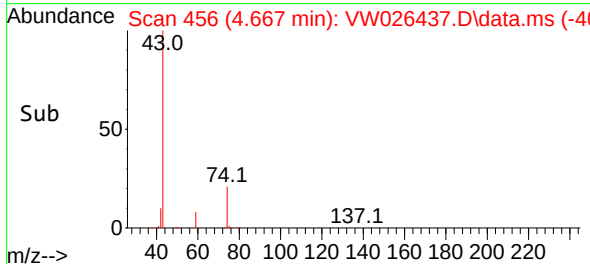
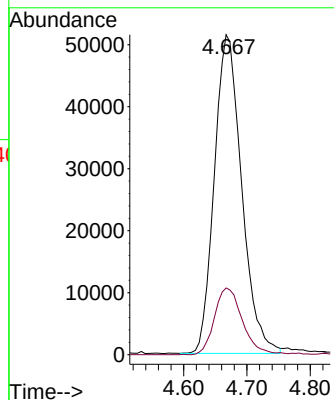
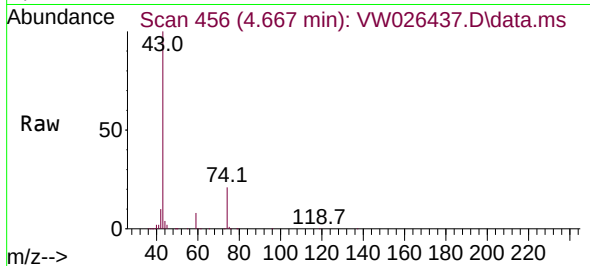




#15
Methyl Acetate
Concen: 26.761 ug/L
RT: 4.667 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

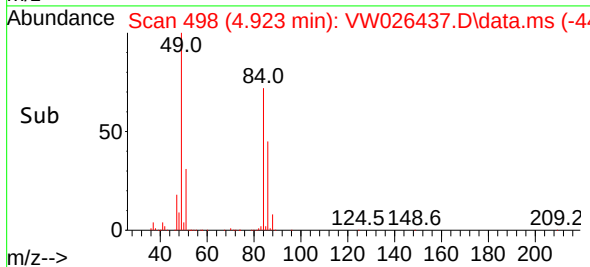
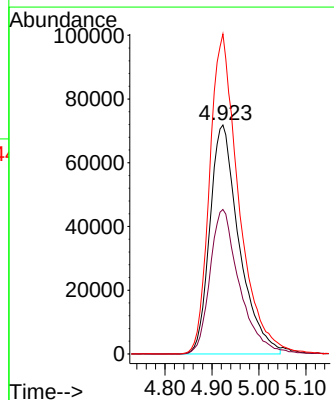
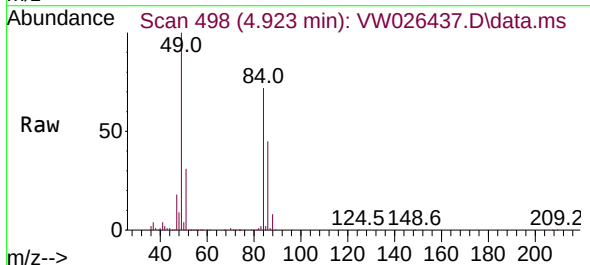
Instrument :
MSVOA_W
ClientSampleId :
VICV477

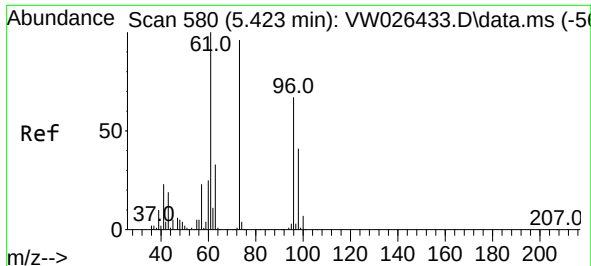
Tgt Ion: 43 Resp: 153932
Ion Ratio Lower Upper
43 100
74 21.3 16.6 24.8



#16
Methylene chloride
Concen: 21.068 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion: 84 Resp: 310258
Ion Ratio Lower Upper
84 100
86 63.1 44.1 81.9
49 139.7 94.1 174.8

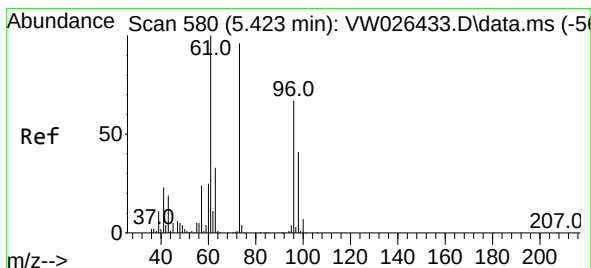
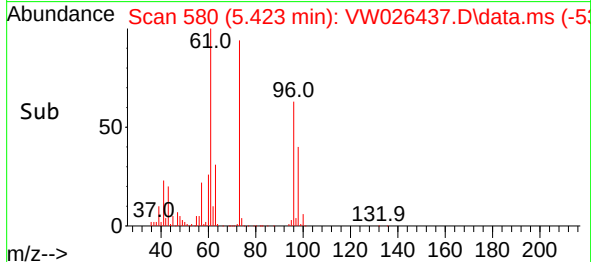
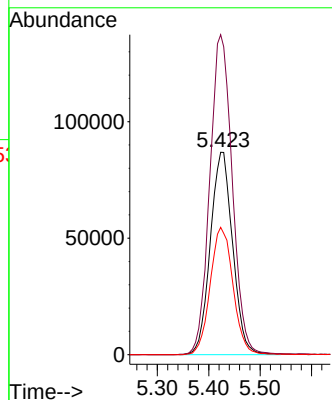
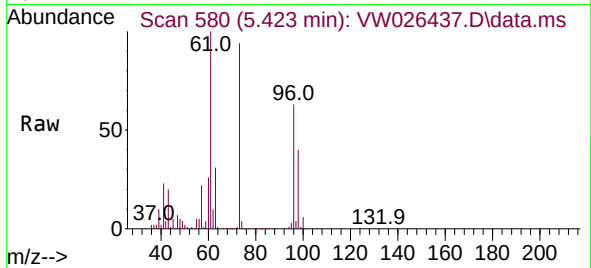




#17
trans-1,2-Dichloroethene
Concen: 24.997 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

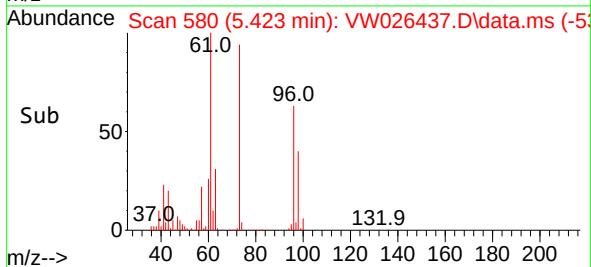
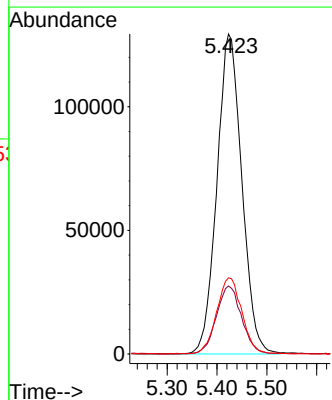
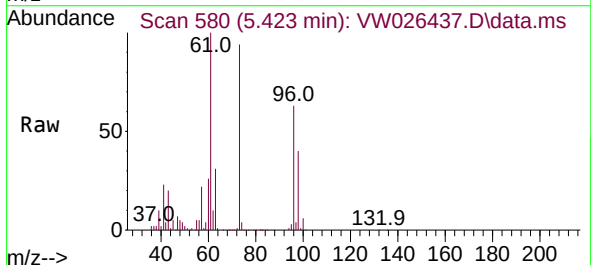
Instrument :
MSVOA_W
ClientSampleId :
VICV477

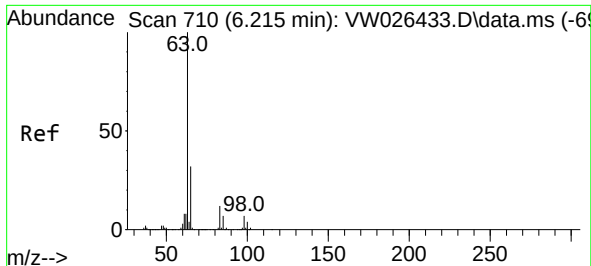
Tgt Ion: 96 Resp: 262425
Ion Ratio Lower Upper
96 100
61 158.2 105.2 195.4
98 63.0 43.2 80.2



#18
Methyl tert-butyl Ether
Concen: 26.148 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion: 73 Resp: 448617
Ion Ratio Lower Upper
73 100
43 21.1 16.6 25.0
57 24.1 19.3 28.9





#19

1,1-Dichloroethane

Concen: 25.848 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV477

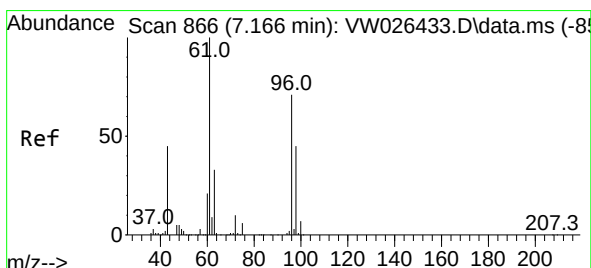
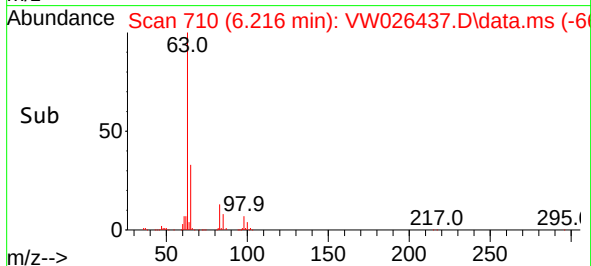
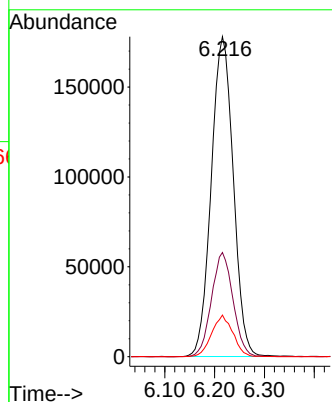
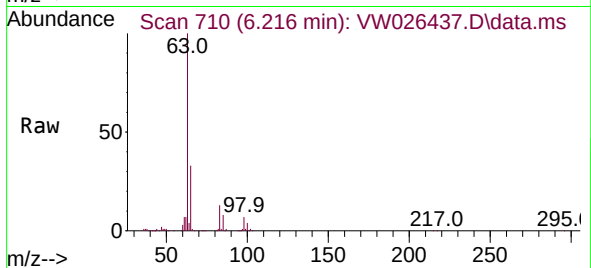
Tgt Ion: 63 Resp: 546034

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

83 13.0 8.3 15.3



#20

cis-1,2-Dichloroethene

Concen: 24.707 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

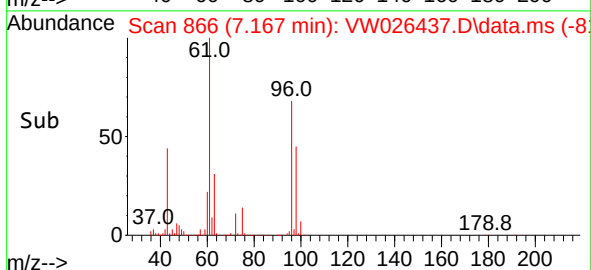
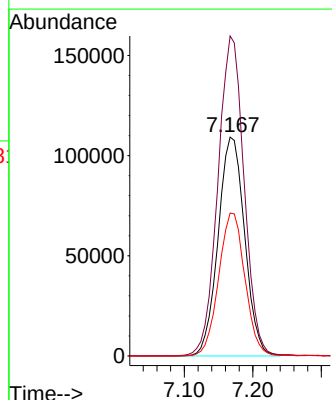
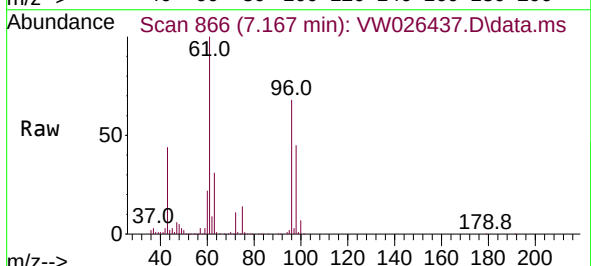
Tgt Ion: 96 Resp: 293797

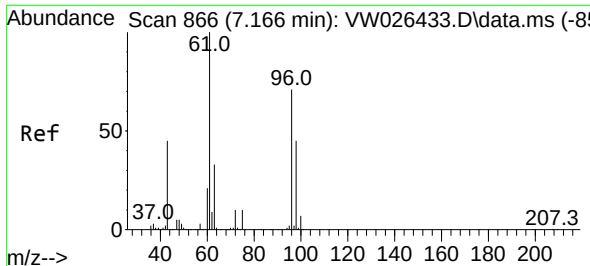
Ion Ratio Lower Upper

96 100

61 146.2 99.3 184.5

98 65.3 44.3 82.3

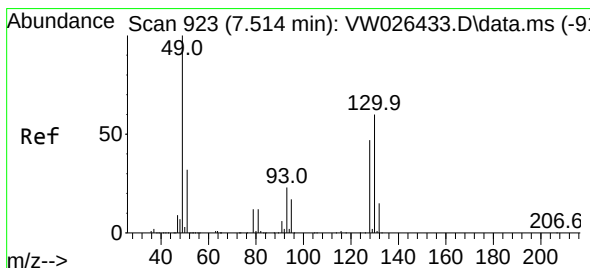
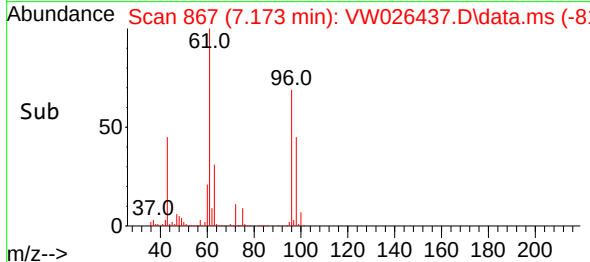
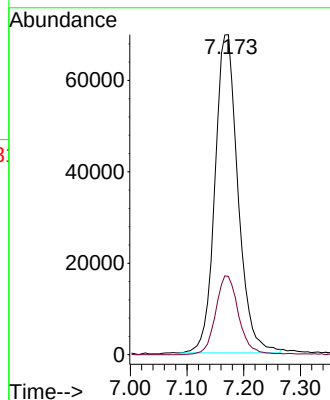
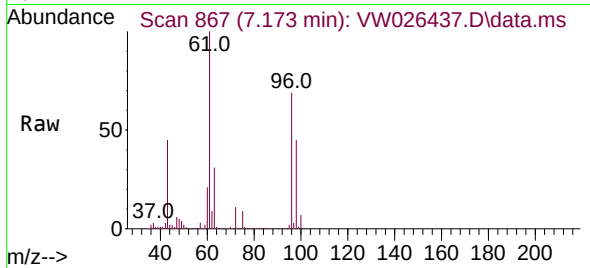




#22
2-Butanone
Concen: 45.334 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

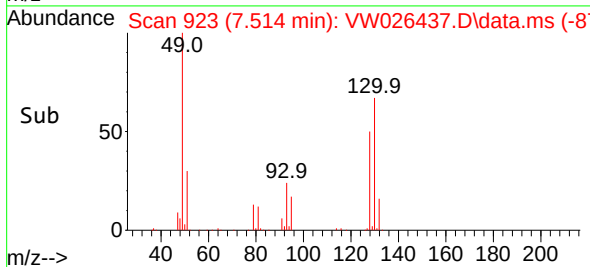
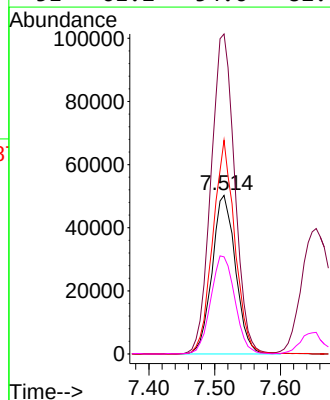
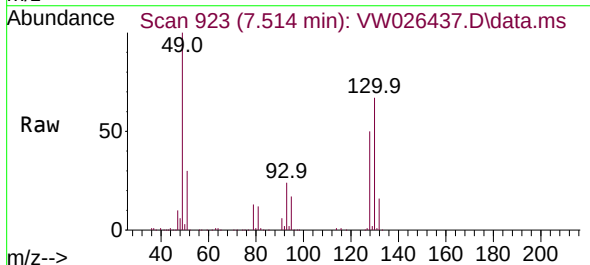
Instrument :
MSVOA_W
ClientSampleId :
VICV477

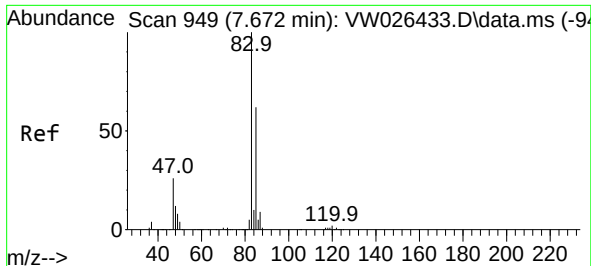
Tgt Ion: 43 Resp: 196899
Ion Ratio Lower Upper
43 100
72 24.7 12.6 37.8



#23
Bromochloromethane
Concen: 25.218 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion: 128 Resp: 124722
Ion Ratio Lower Upper
128 100
49 201.8 149.2 277.2
130 134.8 89.2 165.8
51 61.2 54.6 82.0

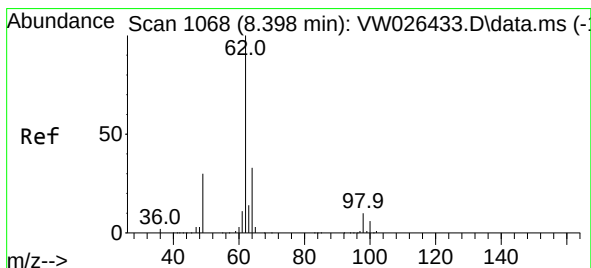
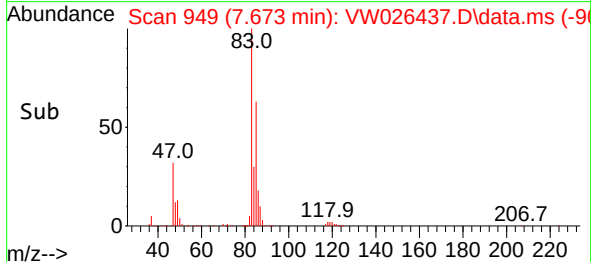
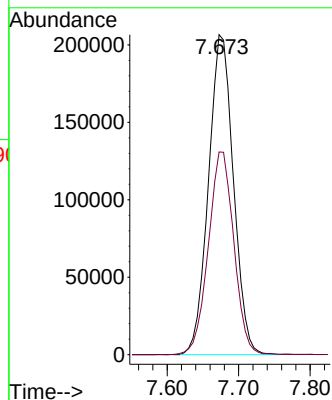
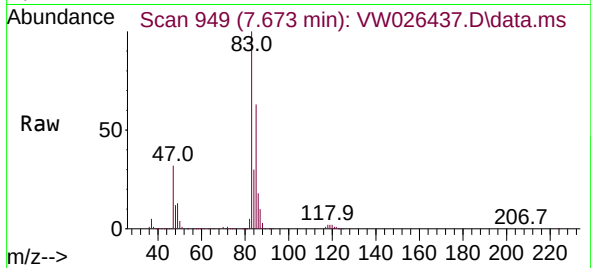




#25
Chloroform
Concen: 24.409 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

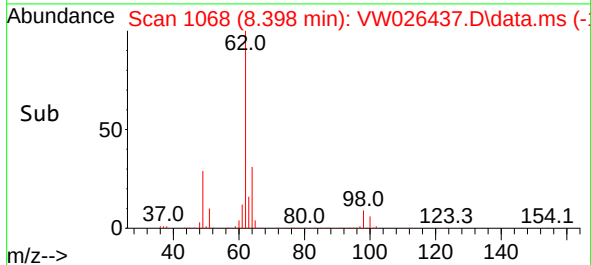
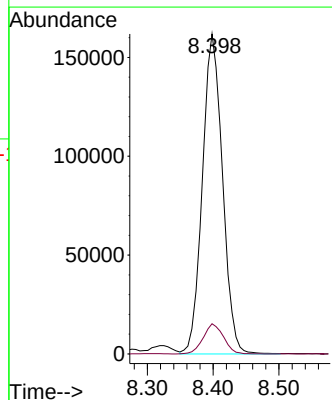
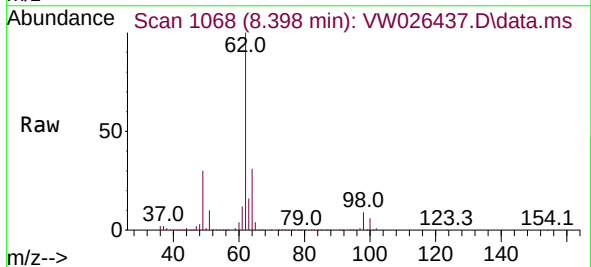
Instrument :
MSVOA_W
ClientSampleId :
VICV477

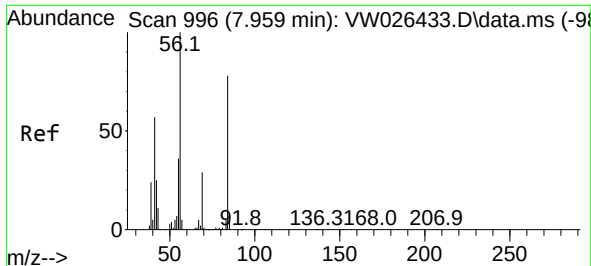
Tgt Ion: 83 Resp: 500479
Ion Ratio Lower Upper
83 100
85 63.3 44.4 82.4



#27
1,2-Dichloroethane
Concen: 24.588 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion: 62 Resp: 344709
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

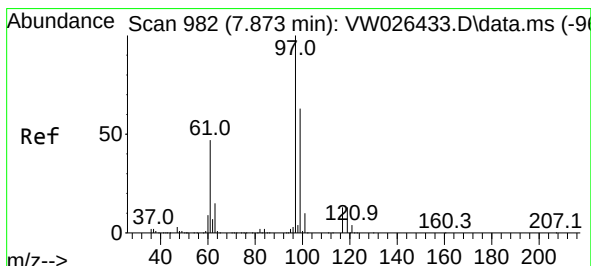
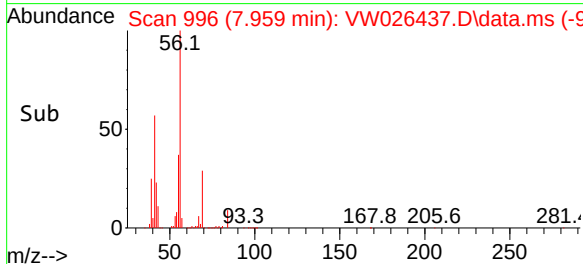
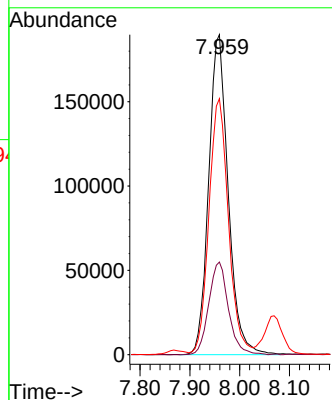
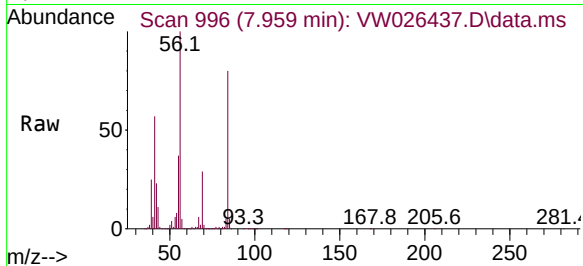




#29
Cyclohexane
Concen: 23.691 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

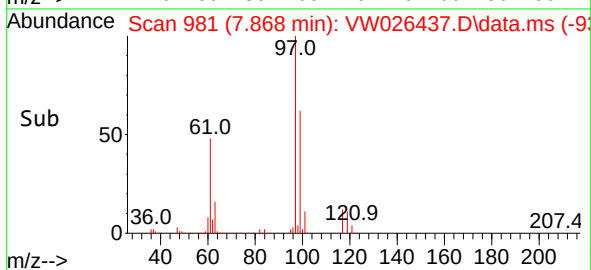
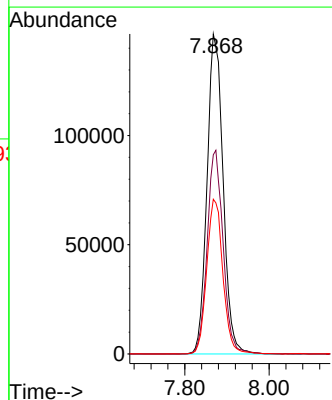
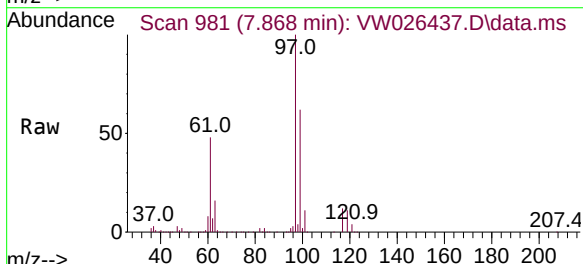
Instrument :
MSVOA_W
ClientSampleId :
VICV477

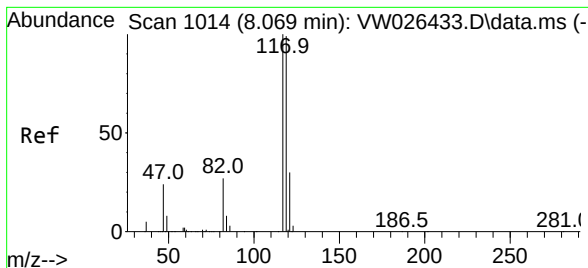
Tgt Ion: 56 Resp: 515220
Ion Ratio Lower Upper
56 100
69 29.1 23.2 34.8
84 80.0 63.5 95.3



#30
1,1,1-Trichloroethane
Concen: 23.760 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion: 97 Resp: 388290
Ion Ratio Lower Upper
97 100
99 63.0 51.3 76.9
61 48.8 39.5 59.3

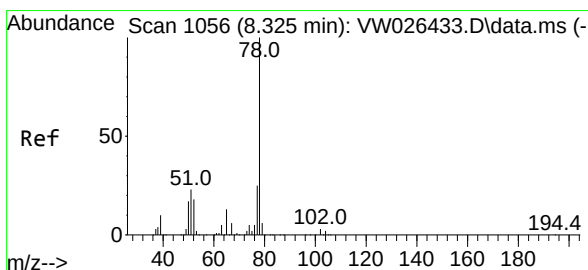
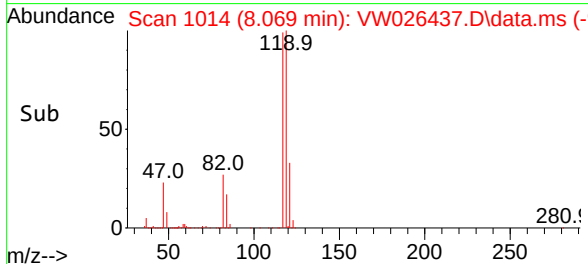
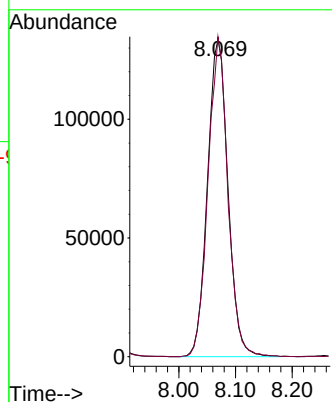
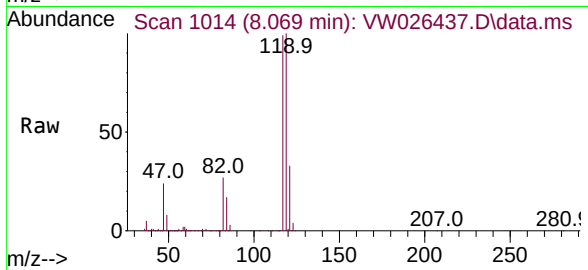




#31
Carbon tetrachloride
Concen: 22.831 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

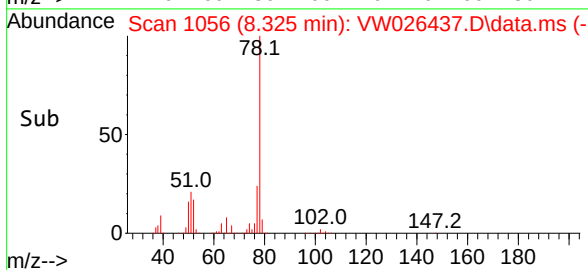
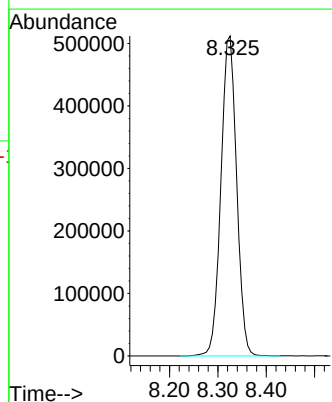
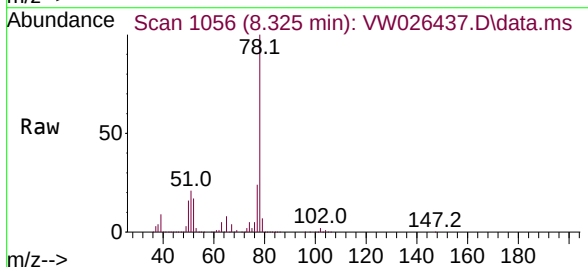
Instrument :
MSVOA_W
ClientSampleId :
VICV477

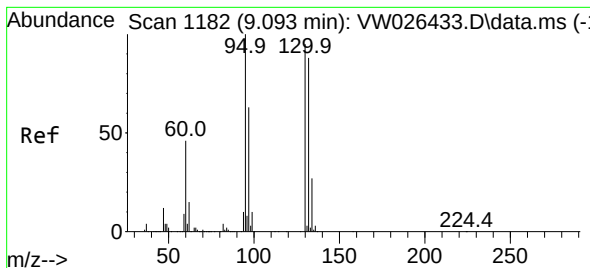
Tgt Ion:117 Resp: 335912
Ion Ratio Lower Upper
117 100
119 97.3 76.2 114.2



#33
Benzene
Concen: 24.037 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion: 78 Resp: 1154743





#34

Trichloroethene

Concen: 23.476 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV477

Tgt Ion: 95 Resp: 287283

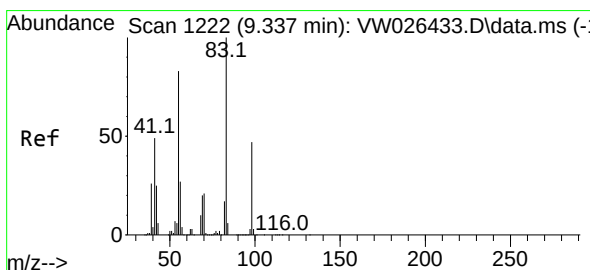
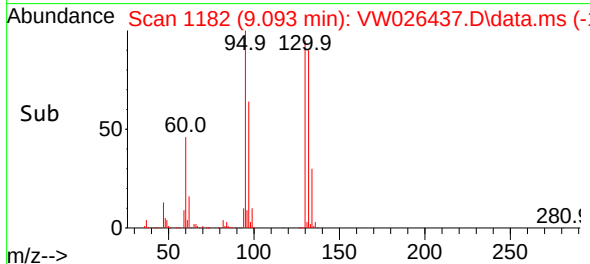
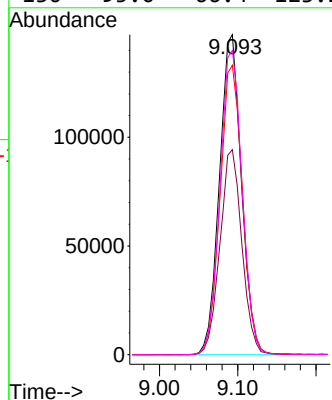
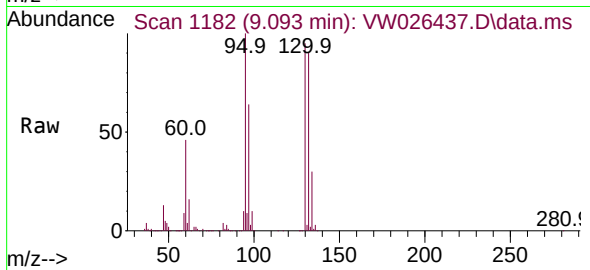
Ion Ratio Lower Upper

95 100

97 64.1 44.1 81.9

132 90.4 61.8 114.8

130 95.0 66.4 123.2



#35

Methylcyclohexane

Concen: 24.052 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

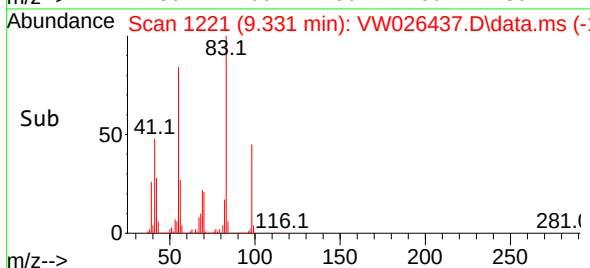
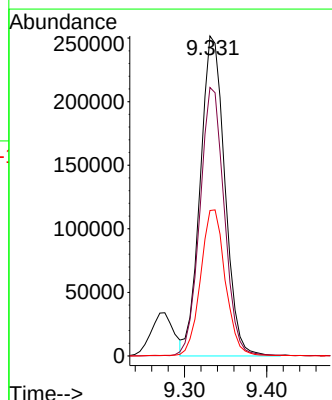
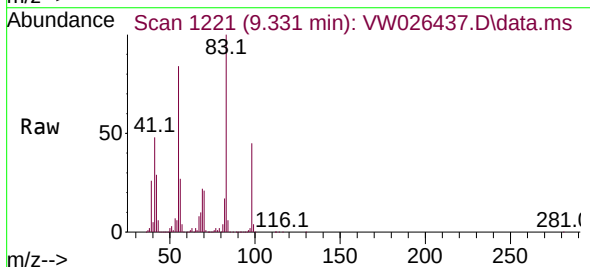
Tgt Ion: 83 Resp: 524371

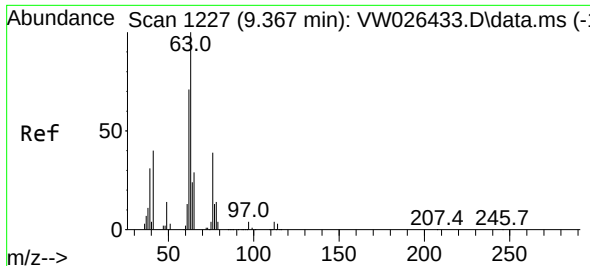
Ion Ratio Lower Upper

83 100

55 82.9 66.5 99.7

98 45.9 37.0 55.6





#37

1,2-Dichloropropane

Concen: 24.631 ug/L

RT: 9.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

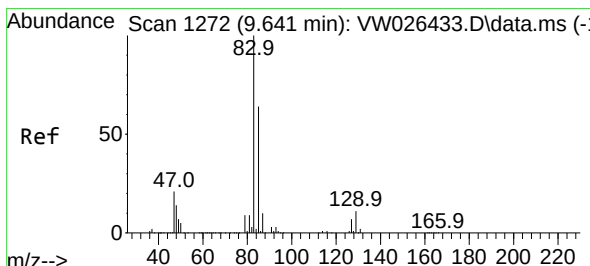
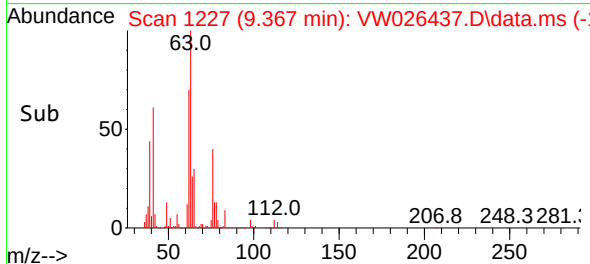
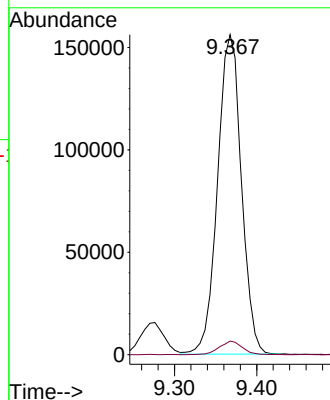
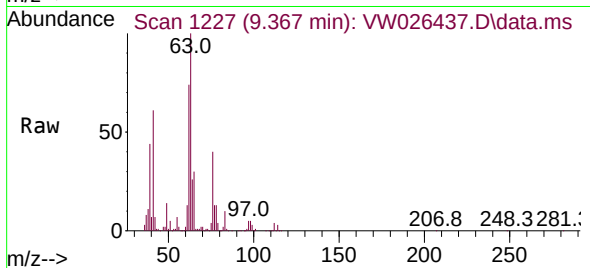
VICV477

Tgt Ion: 63 Resp: 314121

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



#38

Bromodichloromethane

Concen: 24.811 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

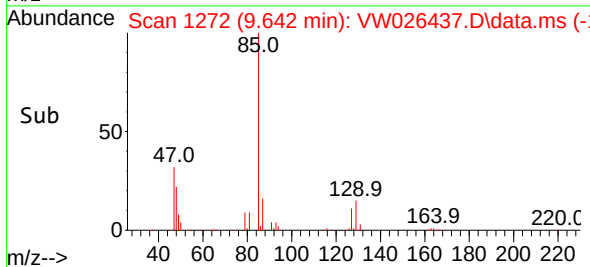
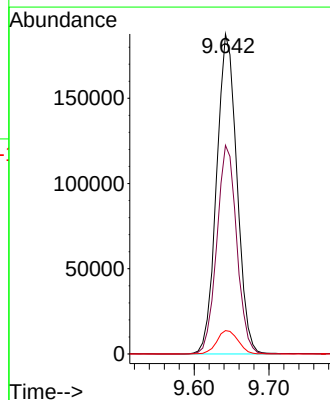
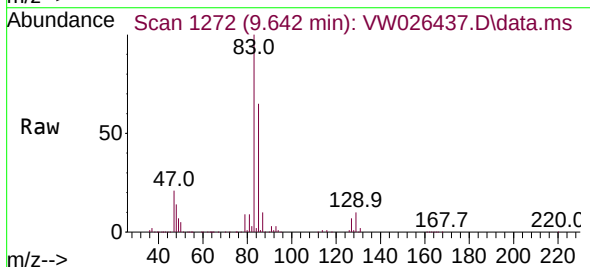
Tgt Ion: 83 Resp: 355138

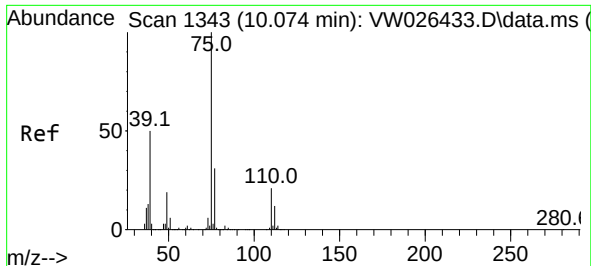
Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.7

127 7.3 5.9 8.9

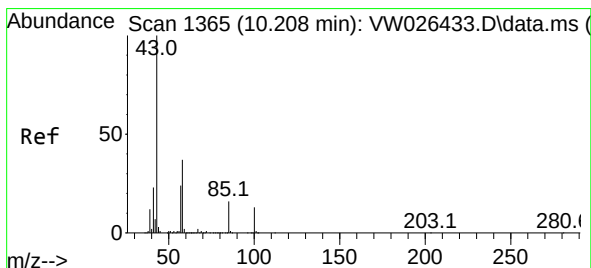
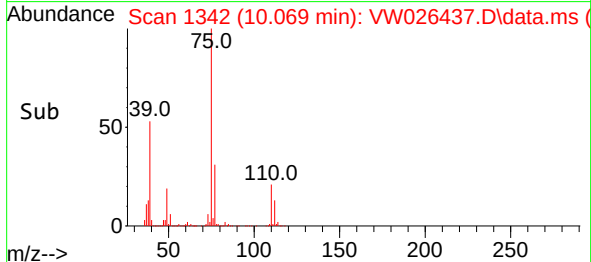
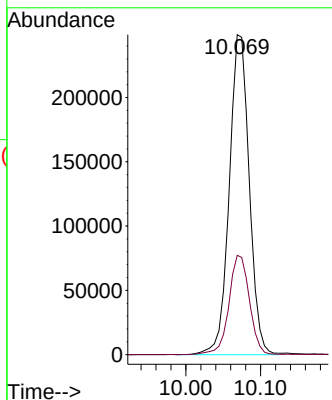
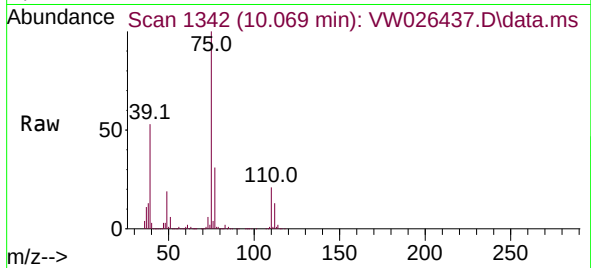




#39
cis-1,3-Dichloropropene
Concen: 24.233 ug/L
RT: 10.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

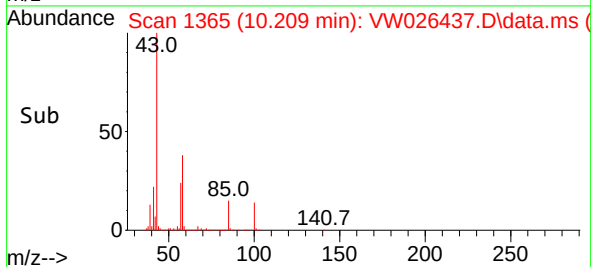
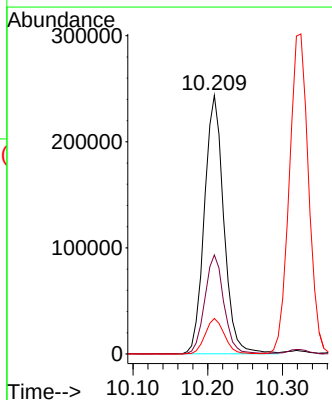
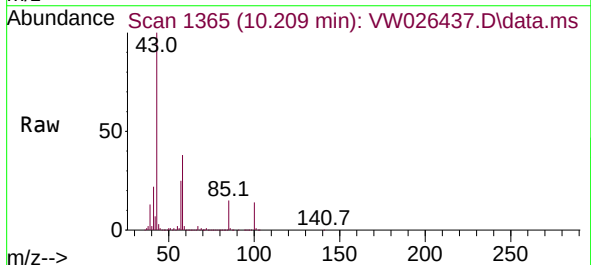
Instrument :
MSVOA_W
ClientSampleId :
VICV477

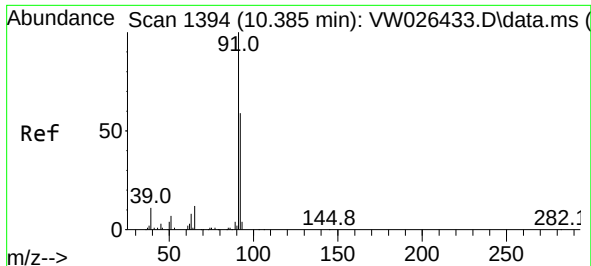
Tgt Ion: 75 Resp: 462550
Ion Ratio Lower Upper
75 100
77 31.1 21.9 40.7



#40
4-Methyl-2-pentanone
Concen: 50.177 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion: 43 Resp: 439370
Ion Ratio Lower Upper
43 100
58 37.8 29.7 44.5
100 13.7 10.9 16.3

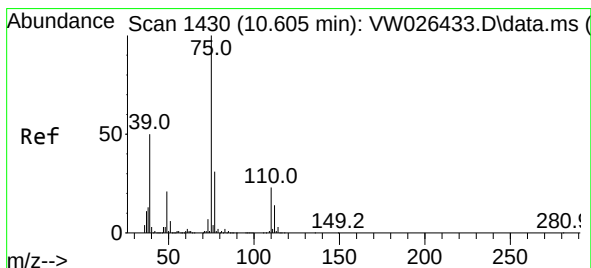
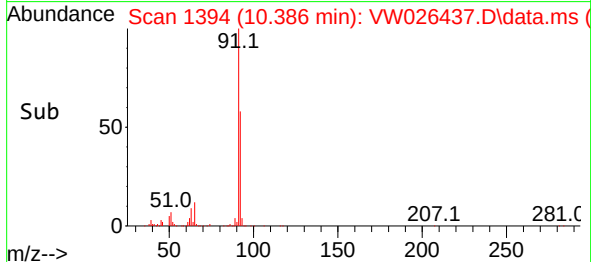
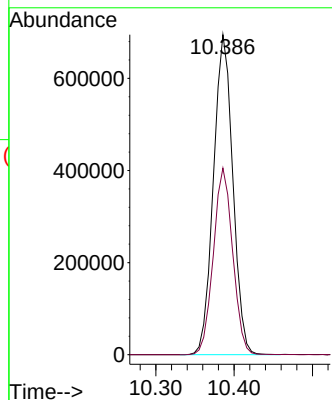
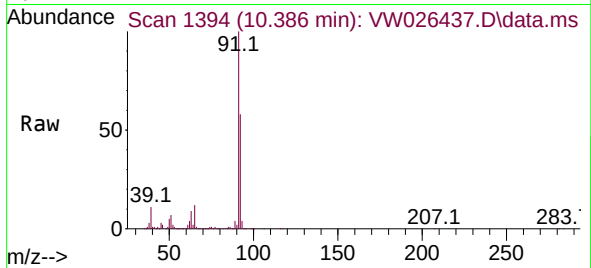




#42
Toluene
Concen: 24.306 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

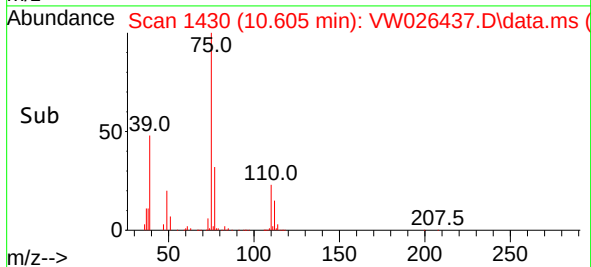
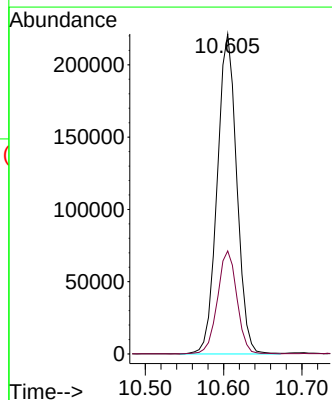
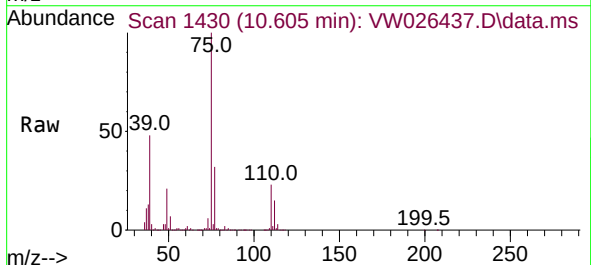
Instrument :
MSVOA_W
ClientSampleId :
VICV477

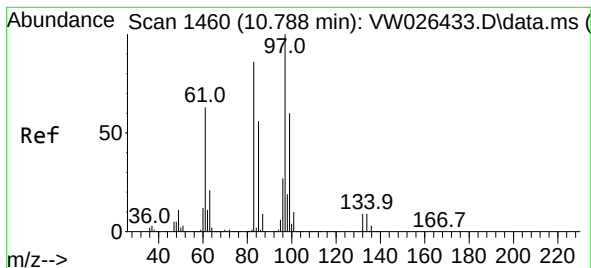
Tgt Ion: 91 Resp: 1194606
Ion Ratio Lower Upper
91 100
92 58.3 41.4 76.8



#44
trans-1,3-Dichloropropene
Concen: 24.607 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion: 75 Resp: 383866
Ion Ratio Lower Upper
75 100
77 32.2 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 24.615 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV477

Tgt Ion: 97 Resp: 213839

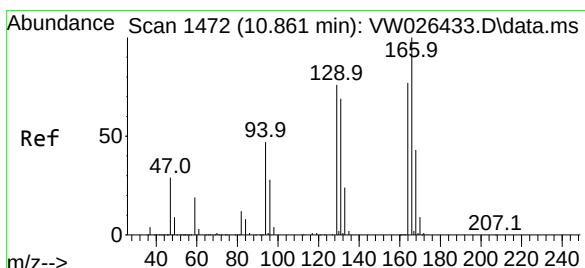
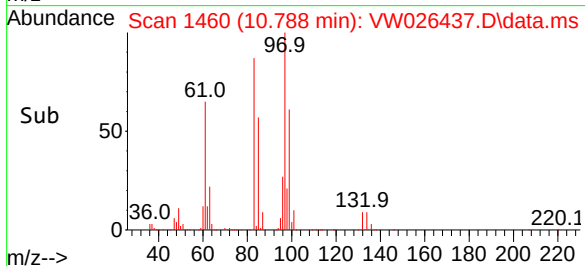
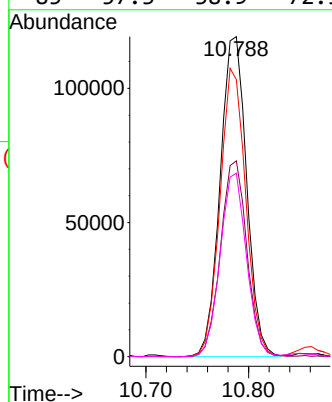
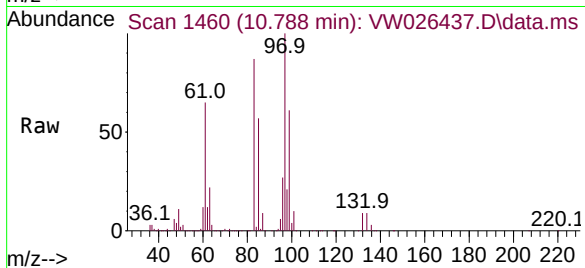
Ion Ratio Lower Upper

97 100

99 61.2 42.1 78.3

83 86.6 60.5 112.5

85 57.3 38.9 72.3



#46

Tetrachloroethene

Concen: 23.389 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Tgt Ion:164 Resp: 202363

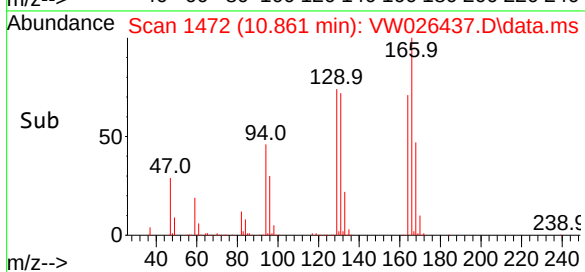
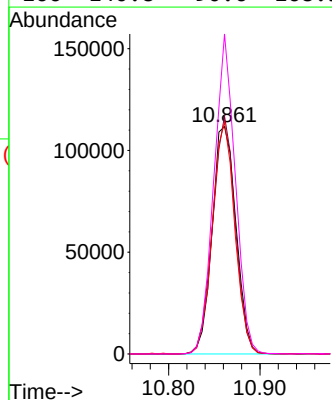
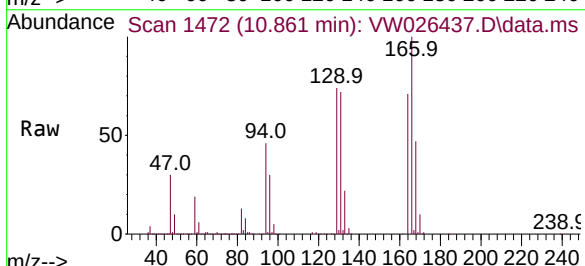
Ion Ratio Lower Upper

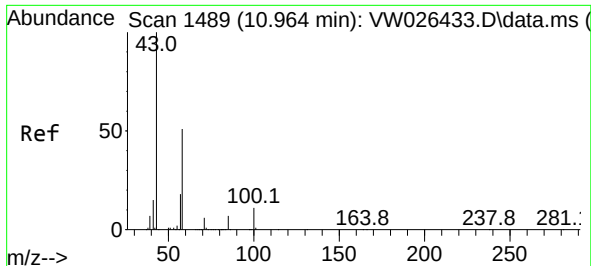
164 100

129 104.6 69.0 128.2

131 102.0 62.6 116.3

166 140.8 90.6 168.3

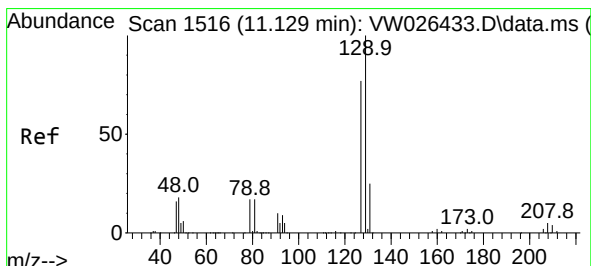
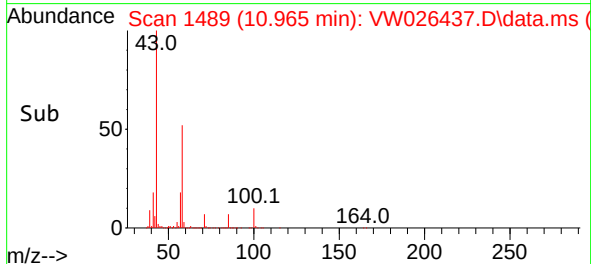
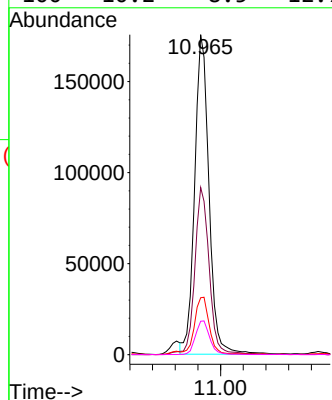
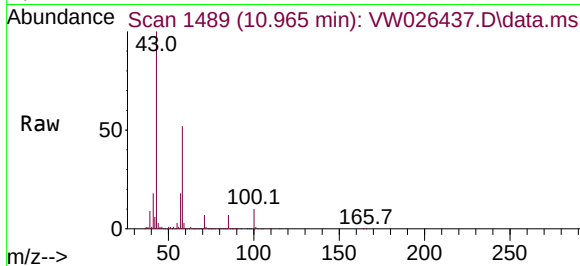




#48
2-Hexanone
Concen: 52.498 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

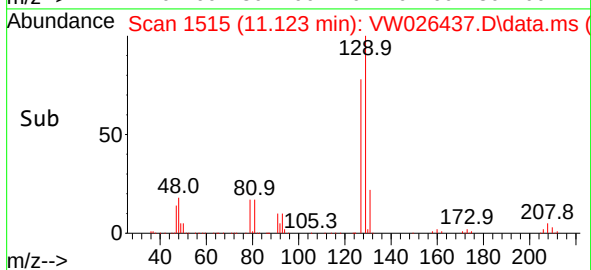
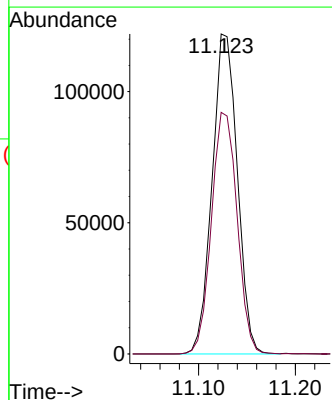
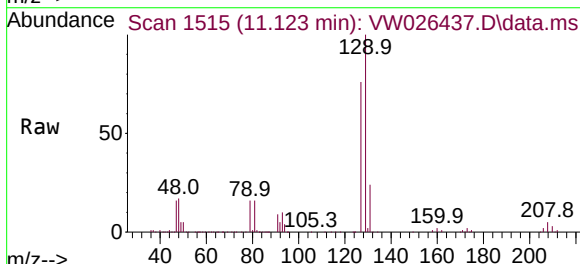
Instrument :
MSVOA_W
ClientSampleId :
VICV477

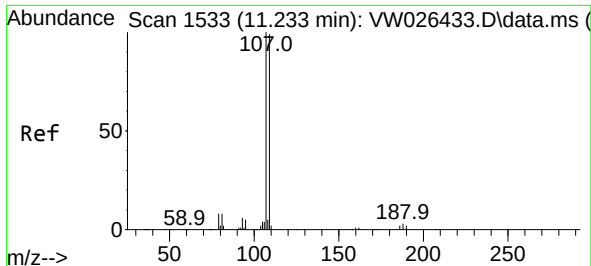
Tgt Ion: 43 Resp: 308551
Ion Ratio Lower Upper
43 100
58 50.5 42.1 63.1
57 17.5 14.5 21.7
100 10.2 8.5 12.7



#49
Dibromochloromethane
Concen: 25.499 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion:129 Resp: 220634
Ion Ratio Lower Upper
129 100
127 75.5 54.0 100.4





#50

1,2-Dibromoethane

Concen: 25.124 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV477

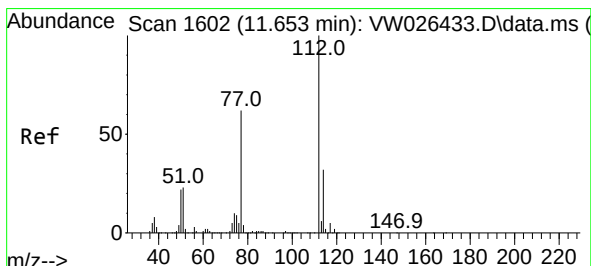
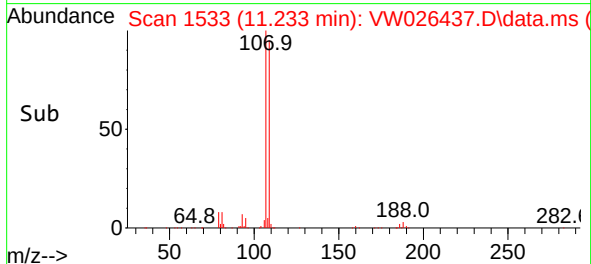
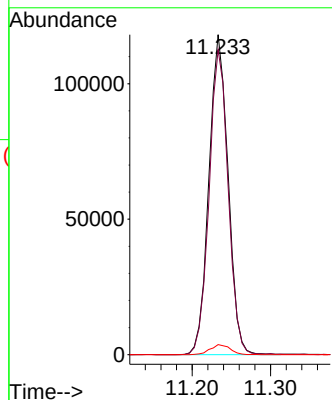
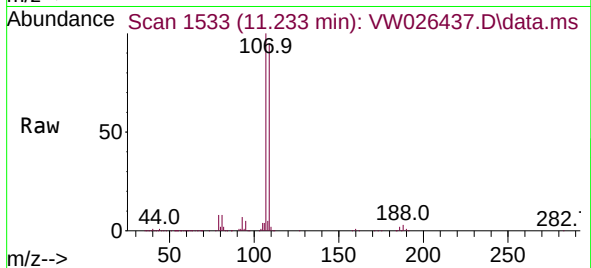
Tgt Ion:107 Resp: 200701

Ion Ratio Lower Upper

107 100

109 95.3 69.0 128.2

188 3.1 2.8 4.2



#51

Chlorobenzene

Concen: 23.801 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

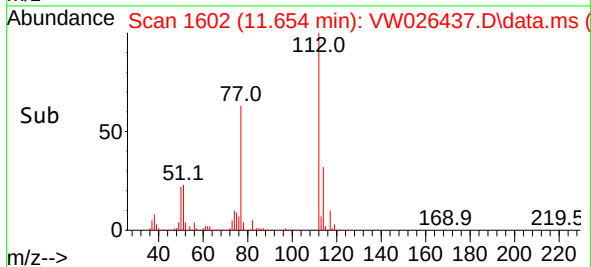
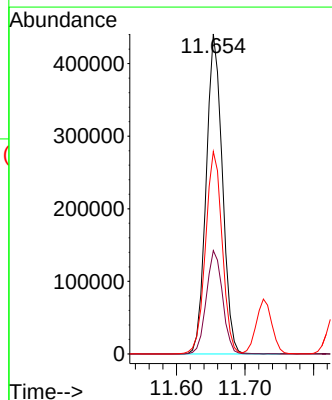
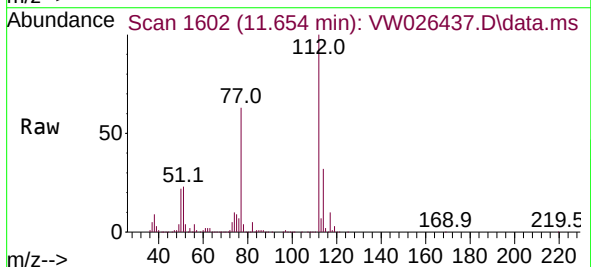
Tgt Ion:112 Resp: 723800

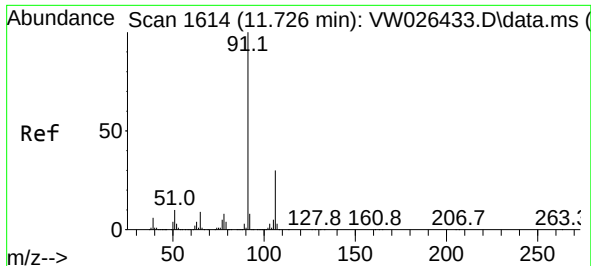
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

77 63.2 49.6 74.4

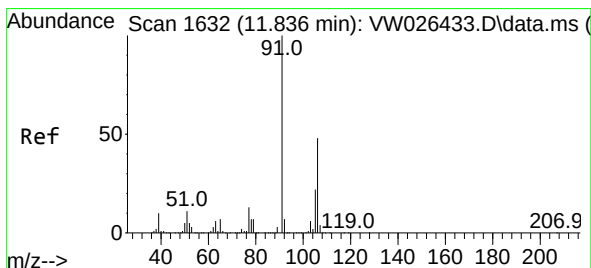
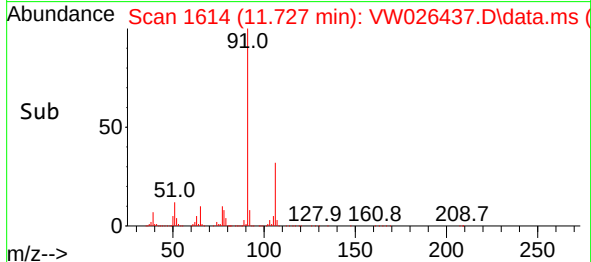
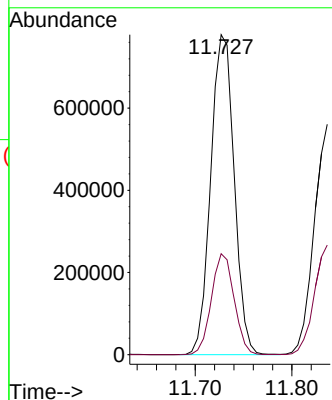
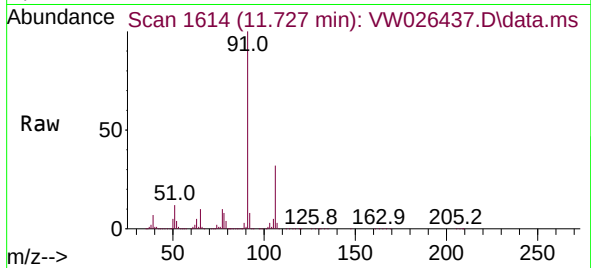




#52
Ethylbenzene
Concen: 23.690 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

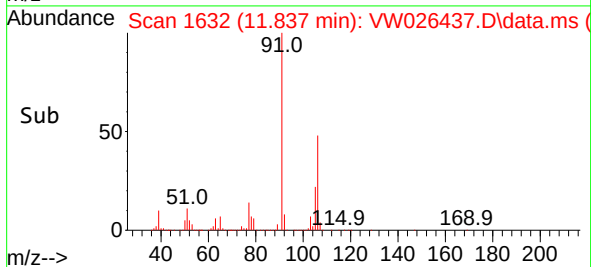
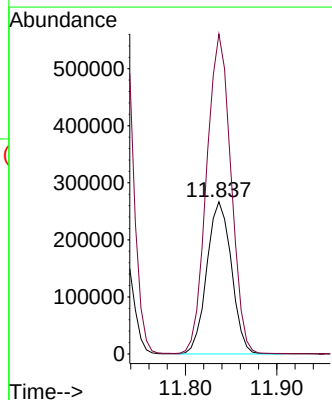
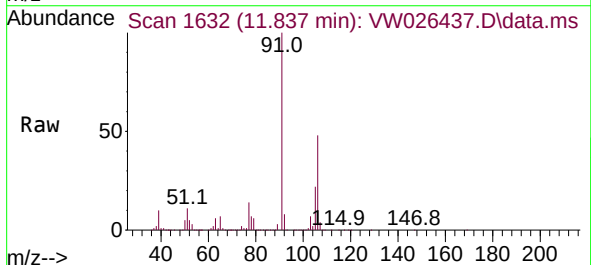
Instrument :
MSVOA_W
ClientSampleId :
VICV477

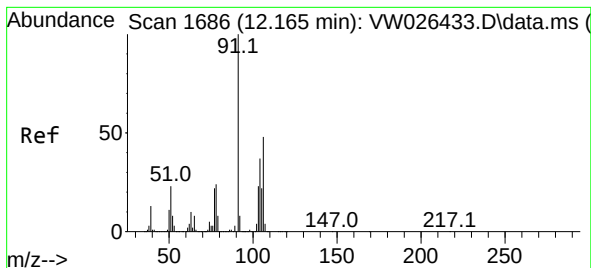
Tgt Ion: 91 Resp: 1310196
Ion Ratio Lower Upper
91 100
106 31.6 20.9 38.7



#53
m,p-Xylene
Concen: 24.339 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion:106 Resp: 499148
Ion Ratio Lower Upper
106 100
91 210.4 146.7 272.5





#54

o-Xylene

Concen: 24.806 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

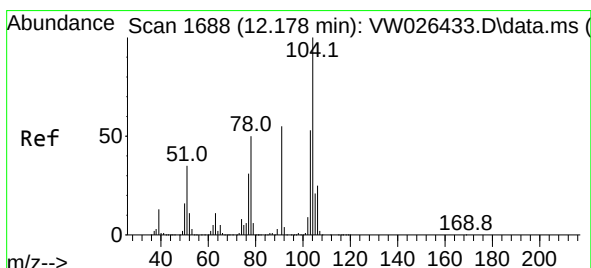
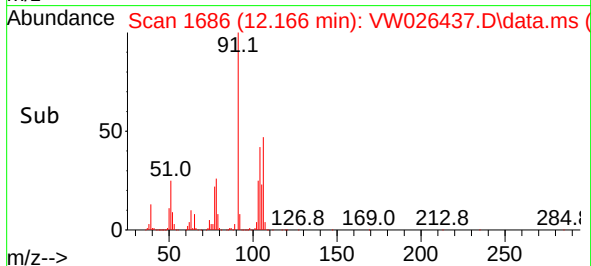
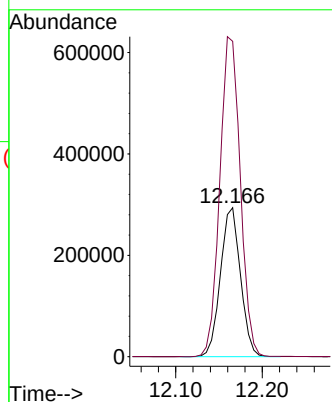
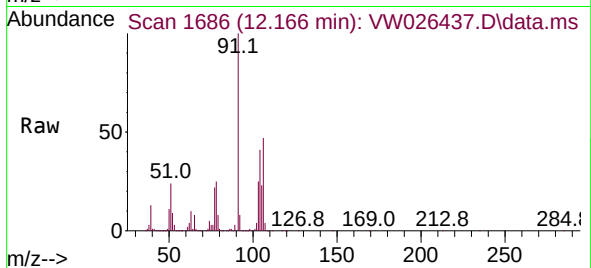
VICV477

Tgt Ion:106 Resp: 471811

Ion Ratio Lower Upper

106 100

91 211.6 145.5 270.1



#55

Styrene

Concen: 25.472 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW026437.D

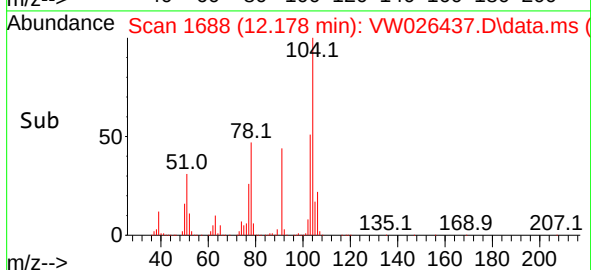
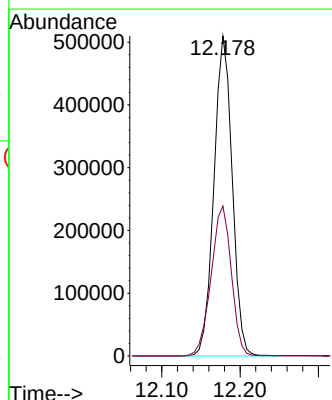
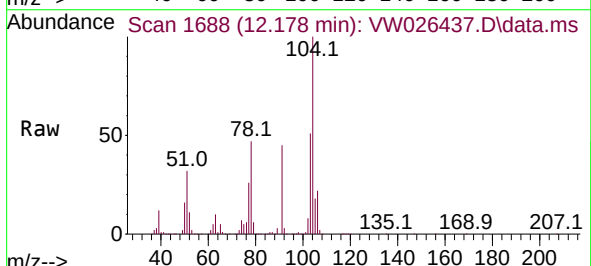
Acq: 29 Jun 2023 16:45

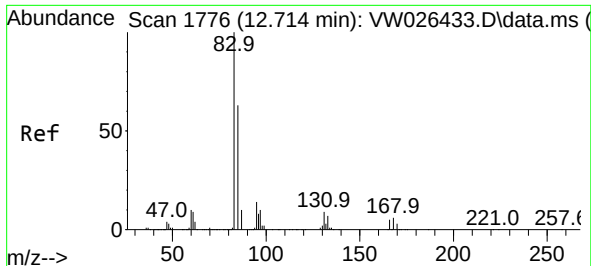
Tgt Ion:104 Resp: 826988

Ion Ratio Lower Upper

104 100

78 46.9 34.8 64.6





#57

1,1,2,2-Tetrachloroethane

Concen: 25.300 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV477

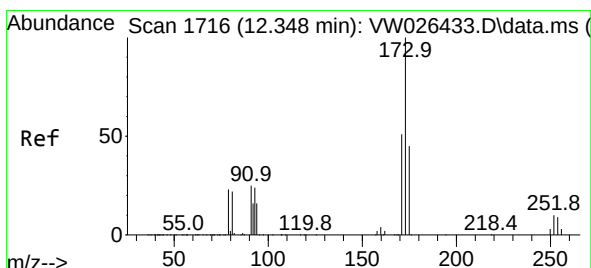
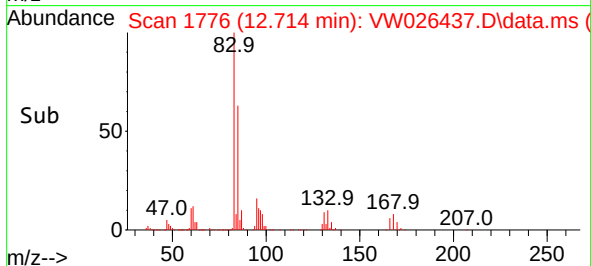
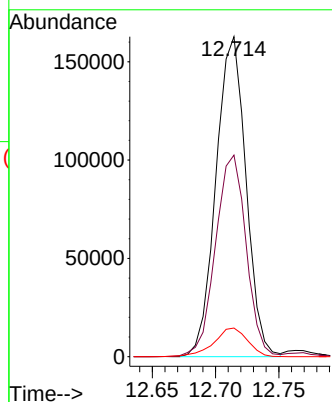
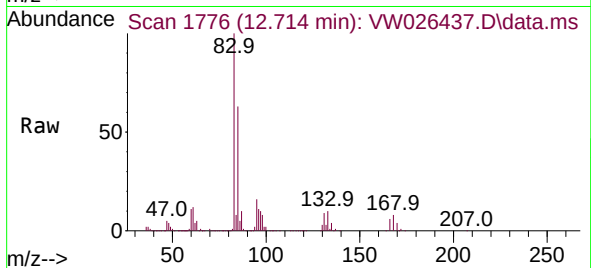
Tgt Ion: 83 Resp: 268381

Ion Ratio Lower Upper

83 100

85 63.0 44.6 82.8

131 9.0 7.2 10.8



#59

Bromoform

Concen: 24.593 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

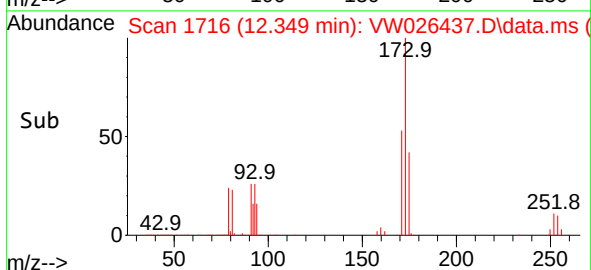
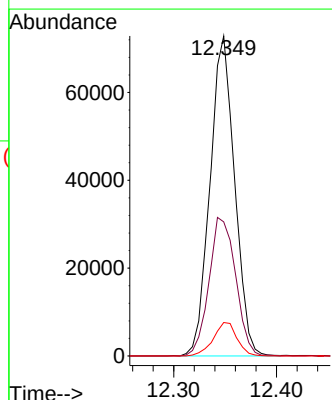
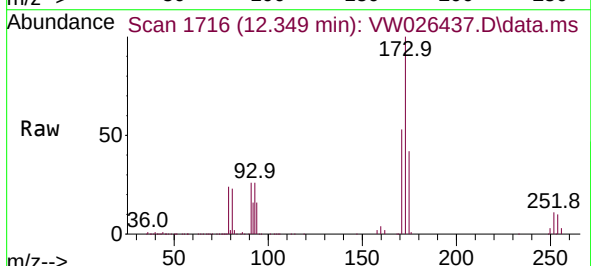
Tgt Ion: 173 Resp: 121249

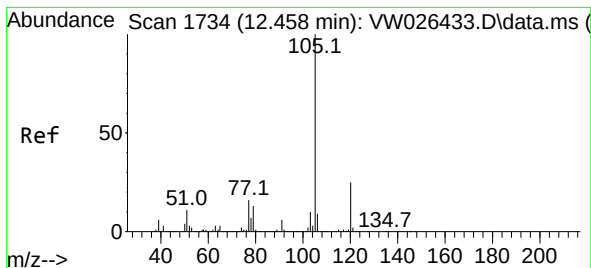
Ion Ratio Lower Upper

173 100

175 46.7 37.4 56.2

254 10.1 7.3 10.9





#60

Isopropylbenzene

Concen: 23.966 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV477

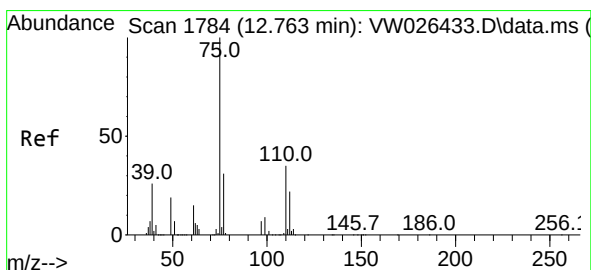
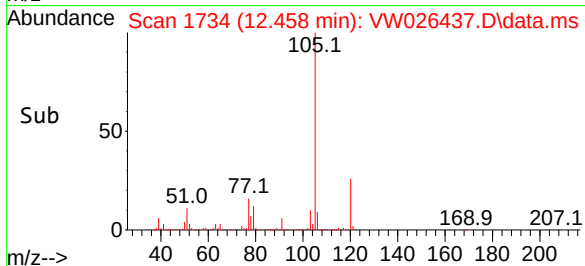
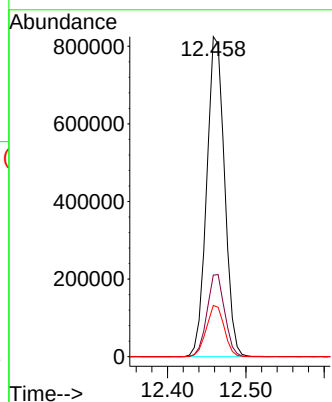
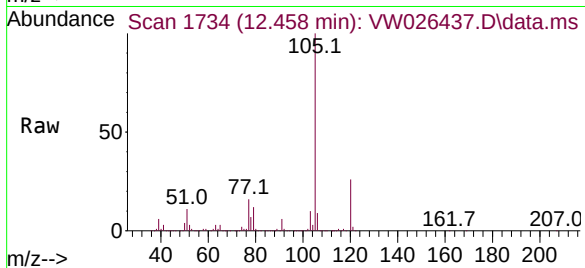
Tgt Ion:105 Resp: 1301568

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

77 16.1 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 24.197 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

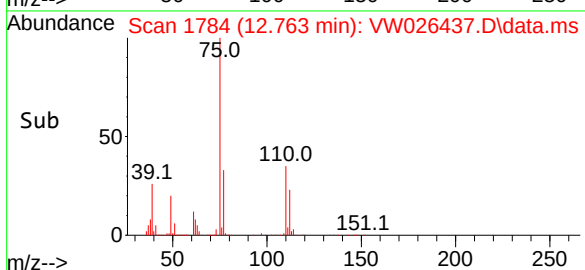
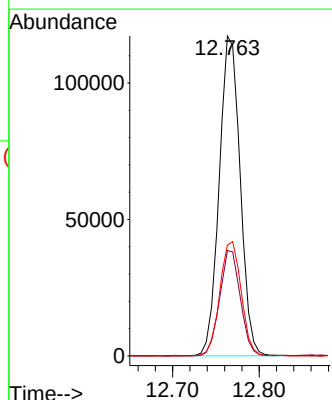
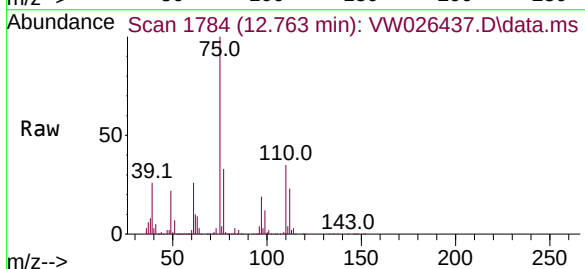
Tgt Ion: 75 Resp: 196920

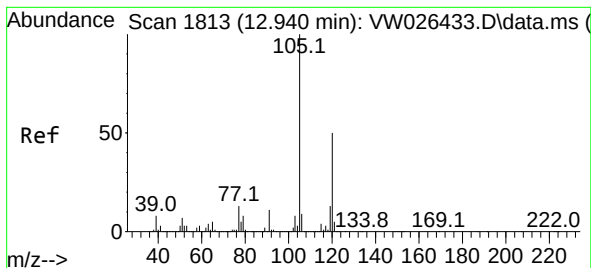
Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

110 36.4 28.2 42.4





#62

1,3,5-Trimethylbenzene

Concen: 24.630 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

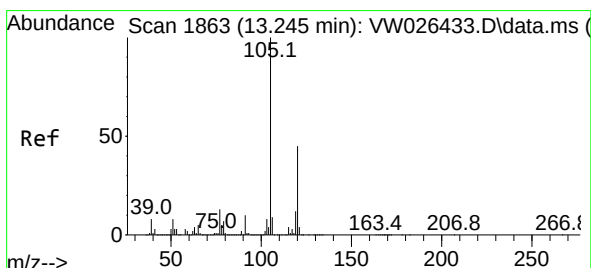
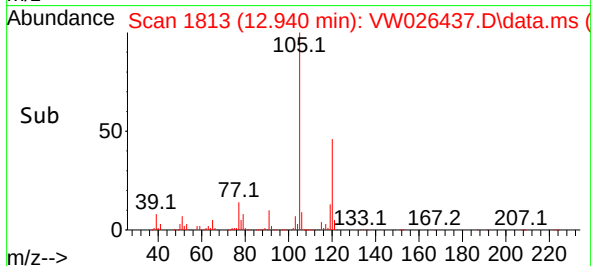
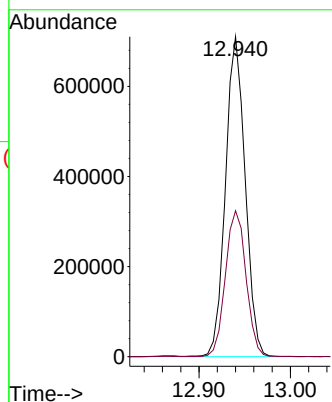
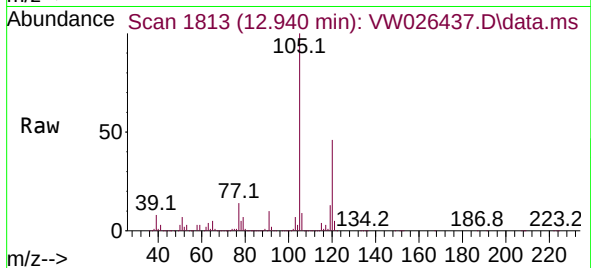
VICV477

Tgt Ion:105 Resp: 1063663

Ion Ratio Lower Upper

105 100

120 47.7 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 25.181 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026437.D

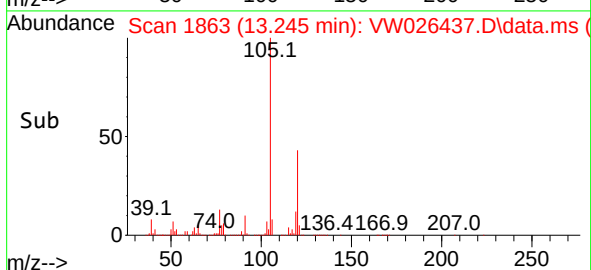
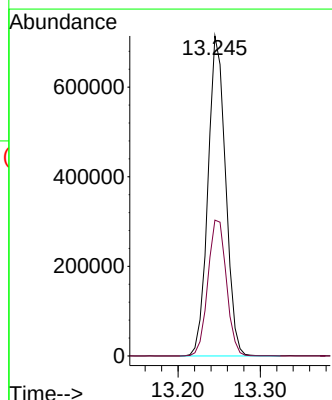
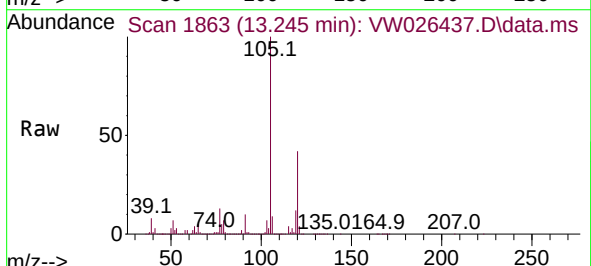
Acq: 29 Jun 2023 16:45

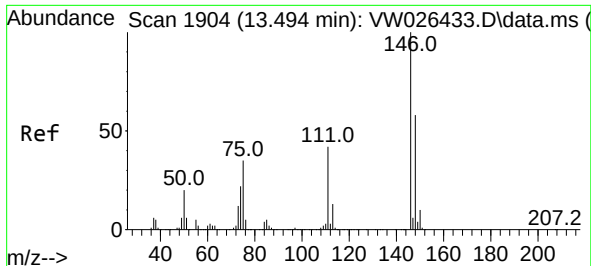
Tgt Ion:105 Resp: 1062366

Ion Ratio Lower Upper

105 100

120 44.7 36.0 54.0

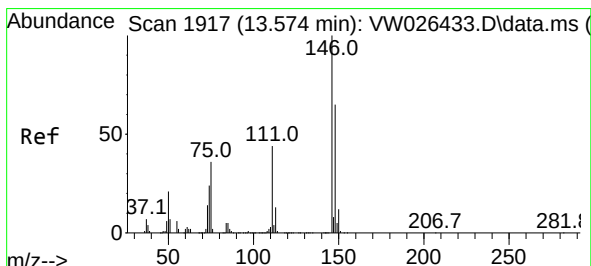
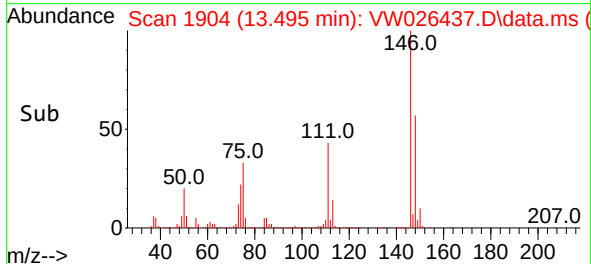
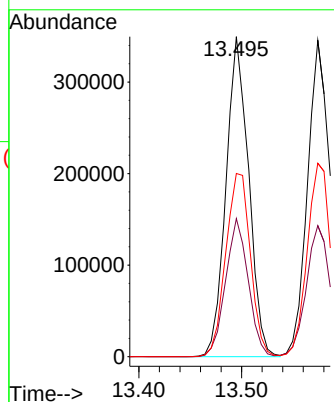
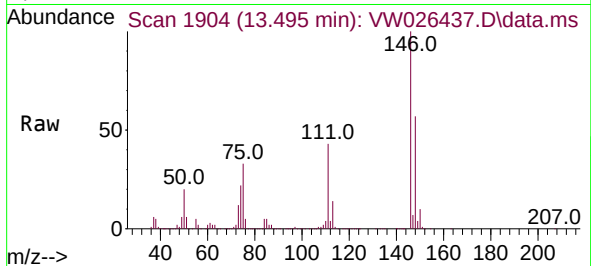




#64
1,3-Dichlorobenzene
Concen: 23.487 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

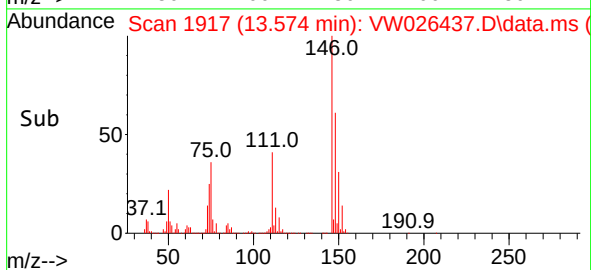
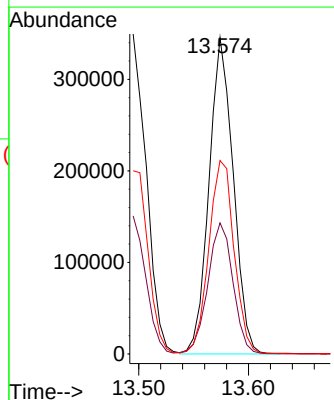
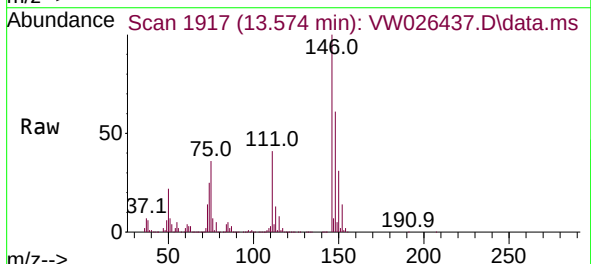
Instrument :
MSVOA_W
ClientSampleId :
VICV477

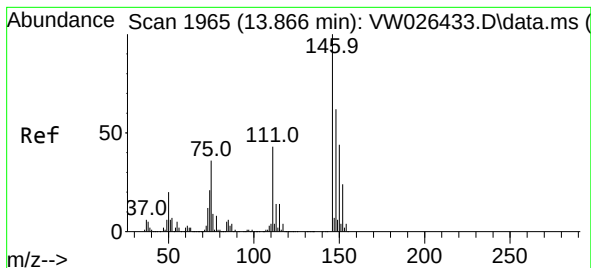
Tgt Ion:146 Resp: 535169
Ion Ratio Lower Upper
146 100
111 43.2 29.5 54.9
148 57.2 40.8 75.8



#65
1,4-Dichlorobenzene
Concen: 23.440 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026437.D
Acq: 29 Jun 2023 16:45

Tgt Ion:146 Resp: 531187
Ion Ratio Lower Upper
146 100
111 41.4 30.7 56.9
148 61.2 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 23.517 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV477

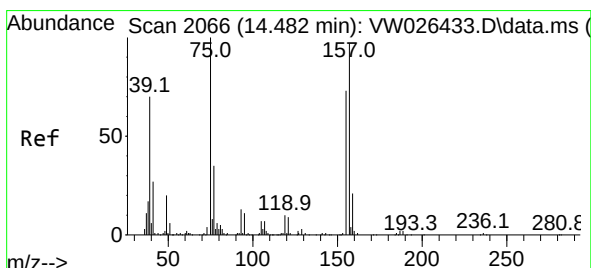
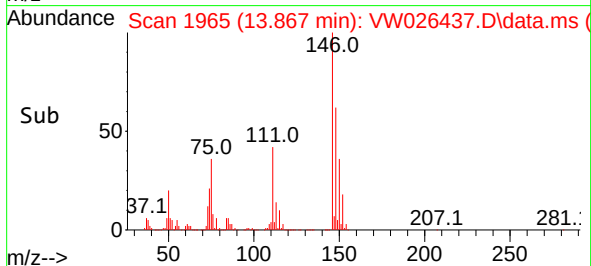
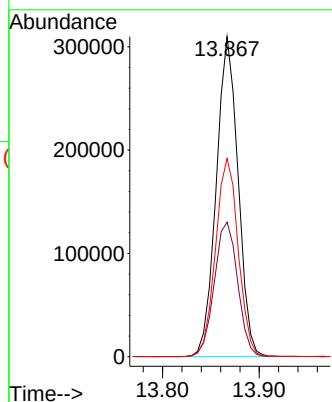
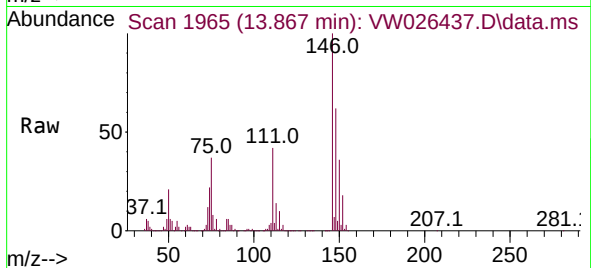
Tgt Ion:146 Resp: 484917

Ion Ratio Lower Upper

146 100

111 42.0 34.7 52.1

148 62.0 49.6 74.4



#68

1,2-Dibromo-3-chloropropane

Concen: 24.085 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

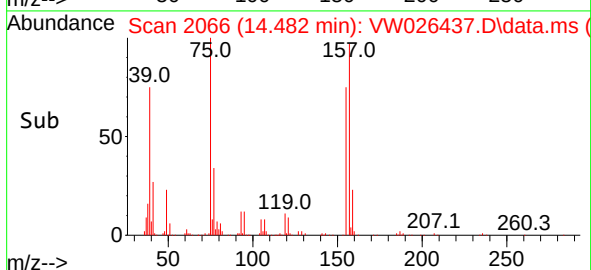
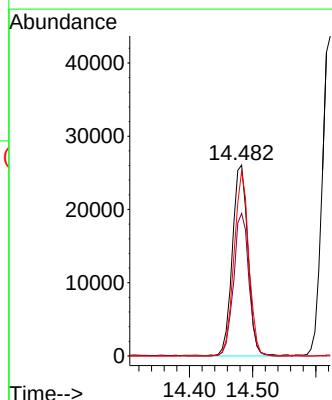
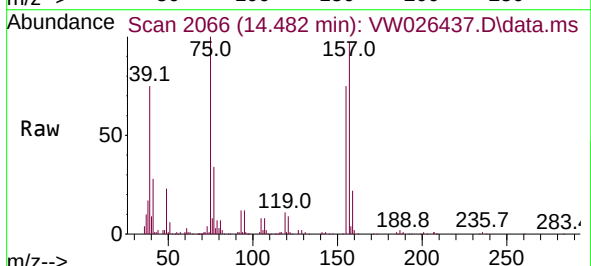
Tgt Ion: 75 Resp: 44916

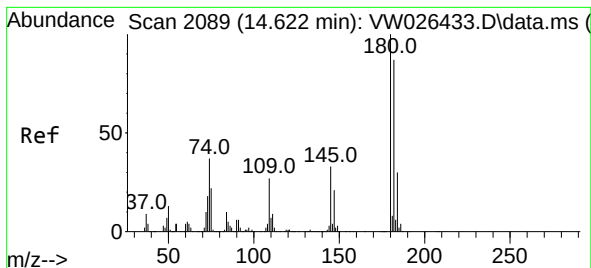
Ion Ratio Lower Upper

75 100

155 74.7 58.5 87.7

157 96.8 77.4 116.2





#69

1,3,5-Trichlorobenzene

Concen: 22.973 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV477

Tgt Ion:180 Resp: 356351

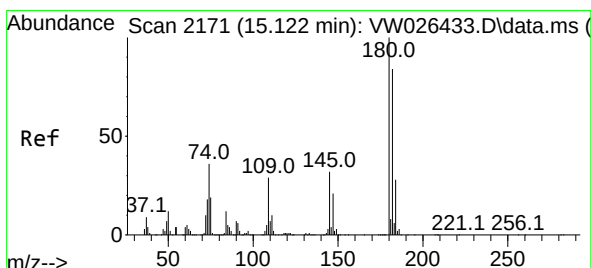
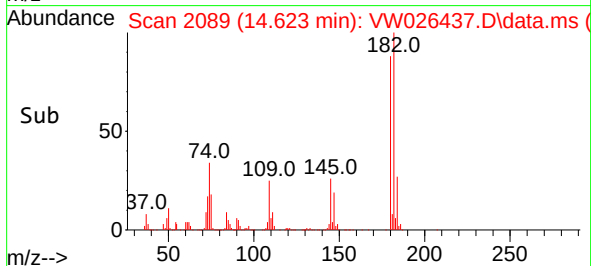
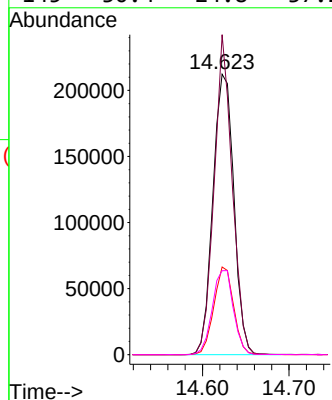
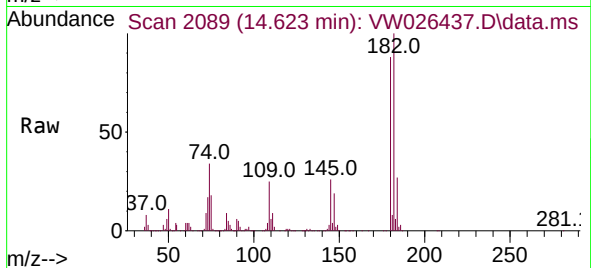
Ion Ratio Lower Upper

180 100

182 98.8 74.5 111.7

184 29.6 23.8 35.6

145 30.4 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 23.882 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

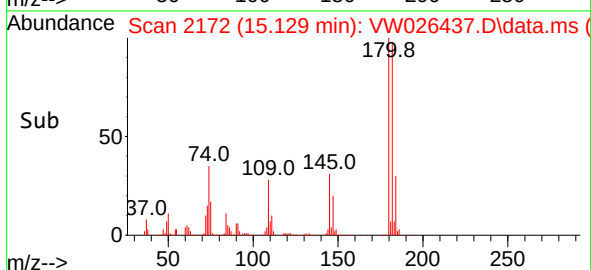
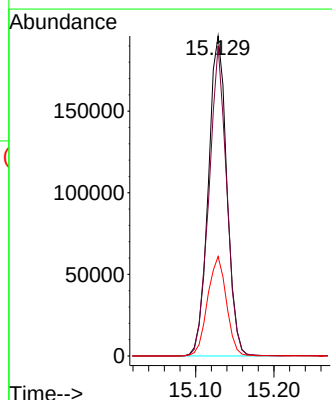
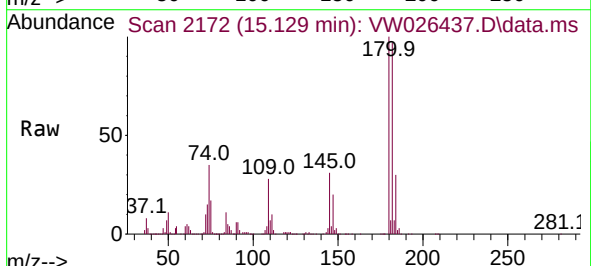
Tgt Ion:180 Resp: 320625

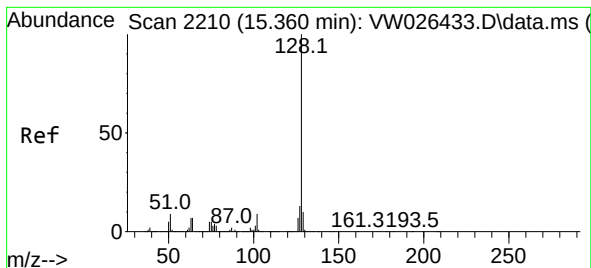
Ion Ratio Lower Upper

180 100

182 93.0 75.5 113.3

145 31.6 26.2 39.2





#71

Naphthalene

Concen: 25.546 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Instrument :

MSVOA_W

ClientSampleId :

VICV477

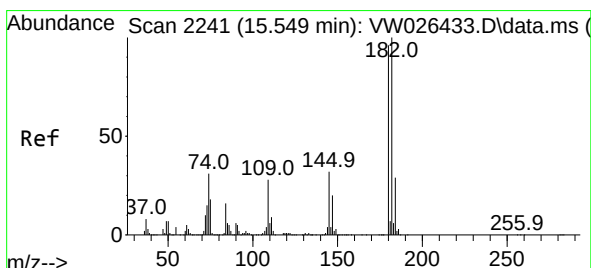
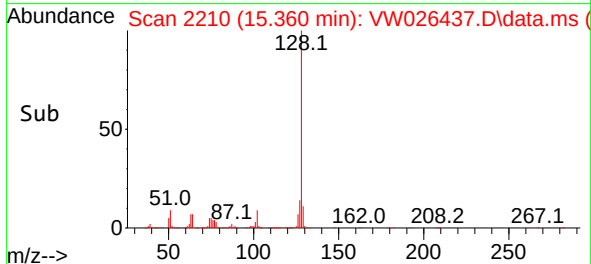
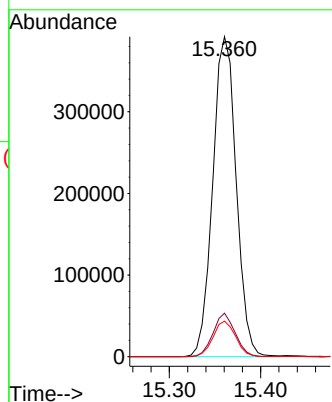
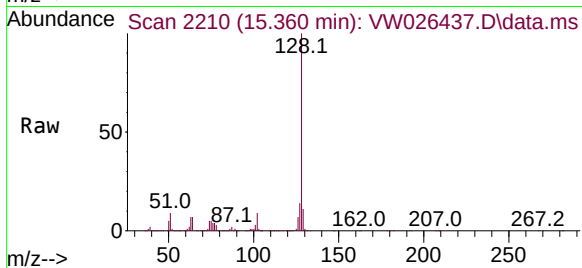
Tgt Ion:128 Resp: 699079

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.7 8.3 12.5



#72

1,2,3-Trichlorobenzene

Concen: 25.363 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026437.D

Acq: 29 Jun 2023 16:45

Tgt Ion:180 Resp: 292821

Ion Ratio Lower Upper

180 100

182 92.2 75.7 113.5

145 32.6 27.0 40.6

