

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032824\
 Data File : VW028272.D
 Acq On : 28 Mar 2024 16:04
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 28 23:34:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Mar 28 23:31:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	231716	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	219471	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	113736	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.369	65	51339	18.936	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.760%
7) Chloroethane-d5	2.899	69	43962	23.209	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.840%
11) 1,1-Dichloroethene-d2	4.021	65	34201	19.893	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.560%
21) 2-Butanone-d5	7.082	46	55325	69.188	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.380%#
24) Chloroform-d	7.648	84	180675	26.443	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.760%
26) 1,2-Dichloroethane-d4	8.307	65	98688	26.209	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.840%
32) Benzene-d6	8.276	84	344723	25.726	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.920%
36) 1,2-Dichloropropane-d6	9.270	67	108551	28.151	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.600%
41) Toluene-d8	10.325	98	308724	24.979	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.920%
43) trans-1,3-Dichloroprop...	10.575	79	46187	26.372	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.480%
47) 2-Hexanone-d5	10.922	63	45044	70.669	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	141.340%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	91842	32.243	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	128.960%#
66) 1,2-Dichlorobenzene-d4	13.849	152	115701	27.925	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.720%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.015	85	59383	17.666	ug/L	93
3) Chloromethane	2.223	50	52285	21.931	ug/L	97
5) Vinyl chloride	2.375	62	60012	22.269	ug/L	90
6) Bromomethane	2.796	94	37403	23.305	ug/L	99
8) Chloroethane	2.942	64	35445	24.470	ug/L	100
9) Trichlorofluoromethane	3.271	101	67804	20.810	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	69898	21.595	ug/L	95
12) 1,1-Dichloroethene	4.045	96	69324	23.168	ug/L	93
13) Acetone	4.131	43	34200	38.520	ug/L	97
14) Carbon disulfide	4.393	76	201046	21.542	ug/L	99
15) Methyl Acetate	4.673	43	40747	29.795	ug/L	99
16) Methylene chloride	4.923	84	79053	22.415	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	76332	24.004	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	134556	28.046	ug/L	98
19) 1,1-Dichloroethane	6.216	63	155383	25.240	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	88648	25.812	ug/L	96
22) 2-Butanone	7.173	43	50397	49.995	ug/L	95
23) Bromochloromethane	7.514	128	39458	25.988	ug/L	92
25) Chloroform	7.679	83	157955	24.923	ug/L	98

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 QLast Update : Thu Mar 28 23:31:04 2024
 Response via : Initial Calibration

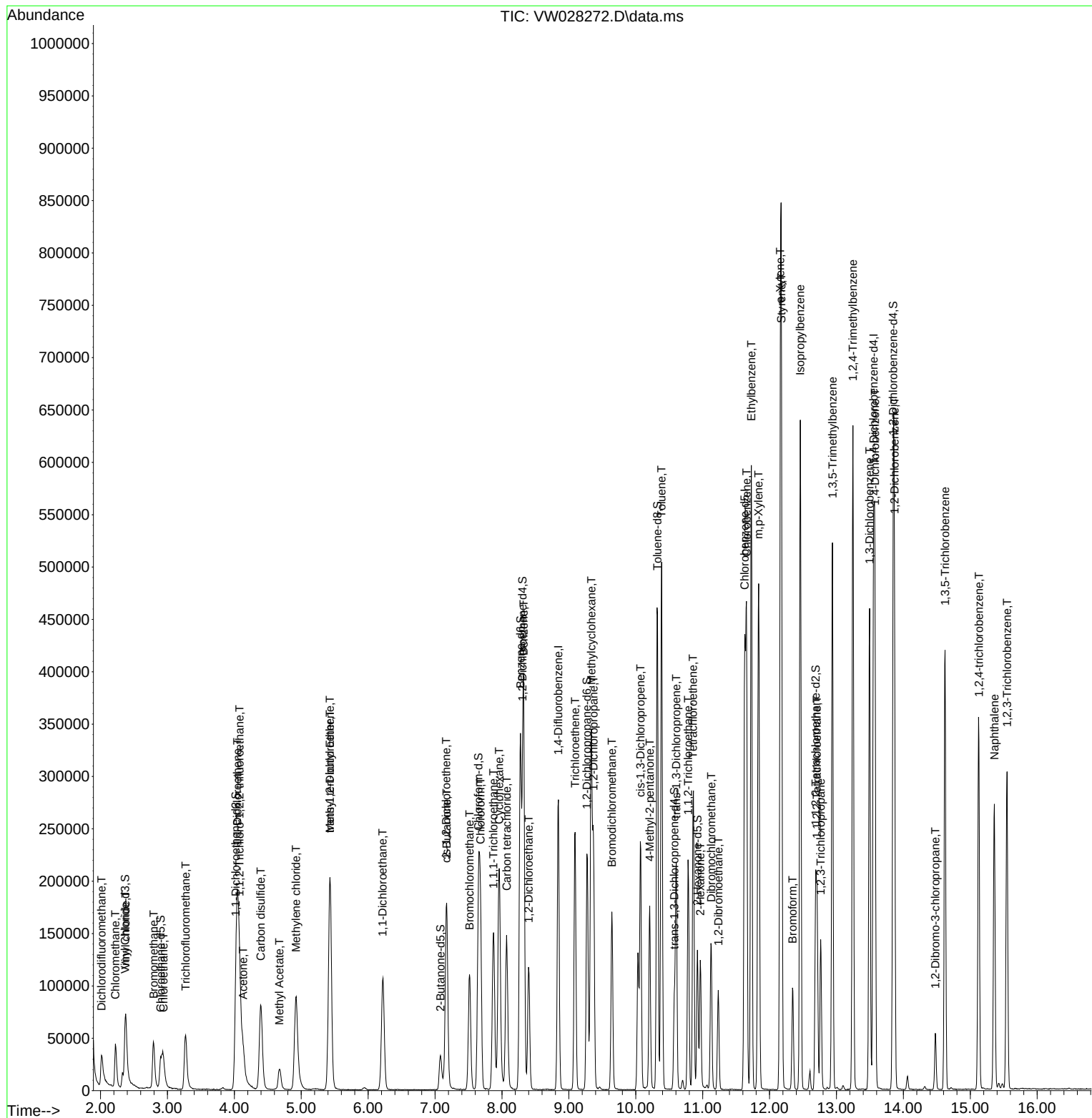
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	108935	24.340	ug/L #	95
29) Cyclohexane	7.959	56	129080	22.549	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	125281	21.776	ug/L	99
31) Carbon tetrachloride	8.069	117	113656	21.061	ug/L	98
33) Benzene	8.325	78	328888	24.353	ug/L	100
34) Trichloroethene	9.093	95	88001	23.356	ug/L	98
35) Methylcyclohexane	9.337	83	139873	21.962	ug/L	100
37) 1,2-Dichloropropane	9.368	63	88180	25.527	ug/L	100
38) Bromodichloromethane	9.642	83	115377	24.773	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	139080	25.141	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	113005	59.266	ug/L	98
42) Toluene	10.386	91	355015	24.086	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	117633	25.186	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	67270	26.953	ug/L	98
46) Tetrachloroethene	10.855	164	65506	21.568	ug/L	93
48) 2-Hexanone	10.965	43	77040	51.579	ug/L	97
49) Dibromochloromethane	11.130	129	73380	24.826	ug/L	95
50) 1,2-Dibromoethane	11.233	107	63723	26.702	ug/L	96
51) Chlorobenzene	11.654	112	229143	24.493	ug/L	97
52) Ethylbenzene	11.727	91	413898	24.055	ug/L	100
53) m,p-Xylene	11.837	106	154696	23.892	ug/L	93
54) o-Xylene	12.160	106	147968	24.643	ug/L	91
55) Styrene	12.178	104	260150	25.224	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.709	83	80925	28.348	ug/L	96
59) Bromoform	12.343	173	45449	26.667	ug/L	97
60) Isopropylbenzene	12.459	105	409418	24.228	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	59421	27.375	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	278078	24.525	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	335713	24.521	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	183790	24.379	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	184438	24.466	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	168653	25.978	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.477	75	13660	26.789	ug/L	86
69) 1,3,5-Trichlorobenzene	14.623	180	134655	25.642	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	113250	25.386	ug/L	97
71) Naphthalene	15.361	128	230371	30.086	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	97278	26.451	ug/L	100

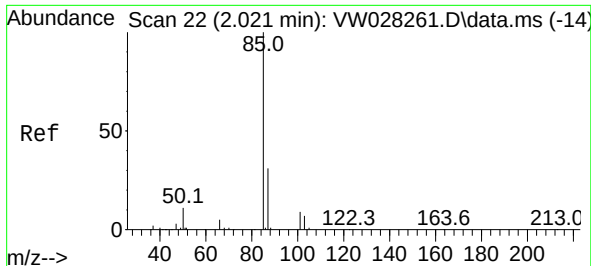
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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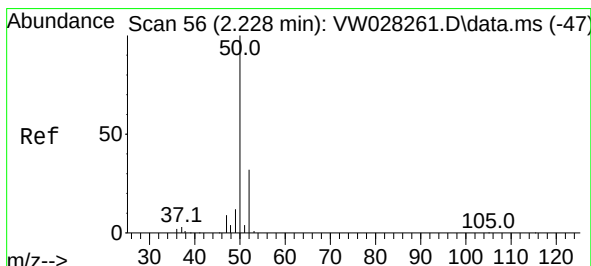
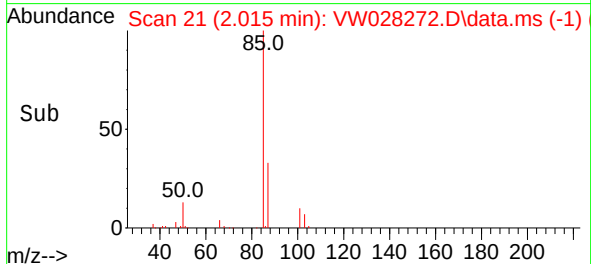
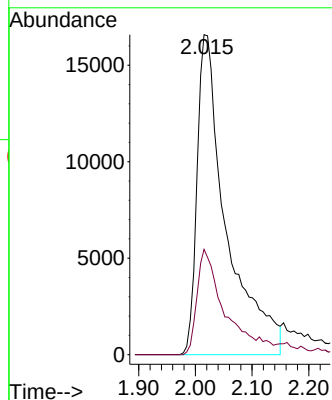
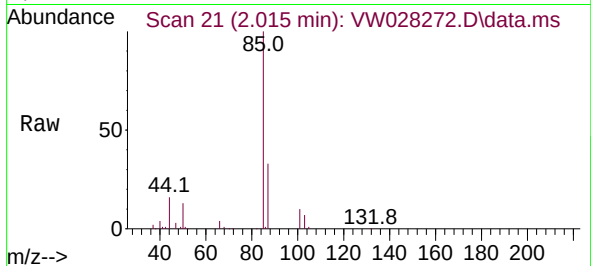




#2
Dichlorodifluoromethane
Concen: 17.666 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

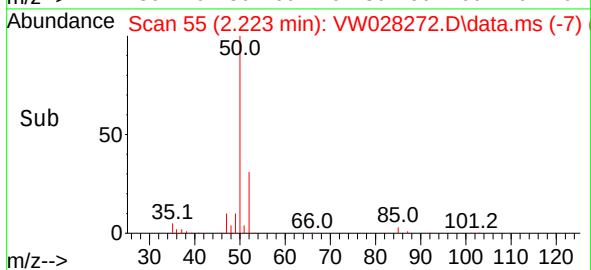
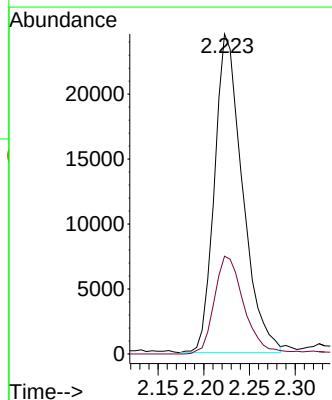
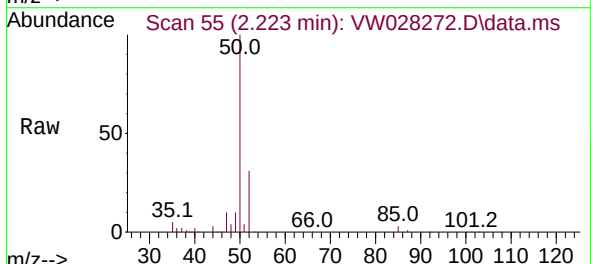
Instrument :
MSVOA_W
ClientSampleId :

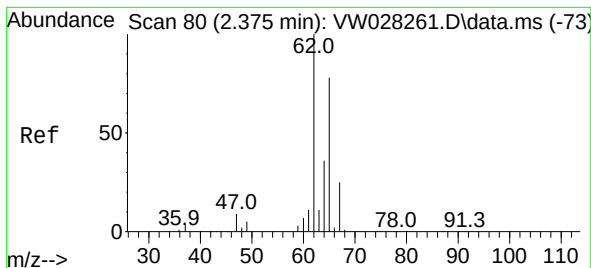
Tgt Ion: 85 Resp: 59383
Ion Ratio Lower Upper
85 100
87 29.8 20.9 31.3



#3
Chloromethane
Concen: 21.931 ug/L
RT: 2.223 min Scan# 55
Delta R.T. -0.006 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

Tgt Ion: 50 Resp: 52285
Ion Ratio Lower Upper
50 100
52 30.5 22.7 42.1





#5

Vinyl chloride

Concen: 22.269 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

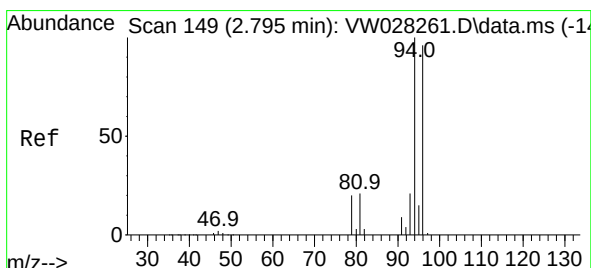
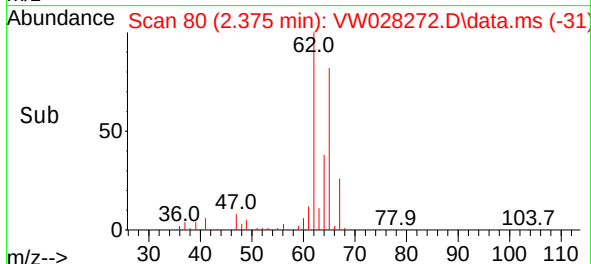
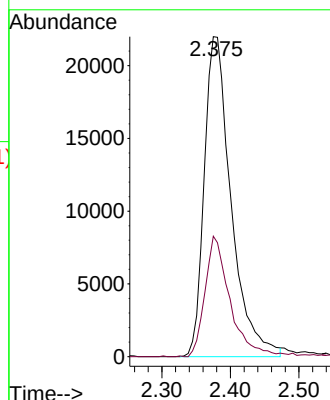
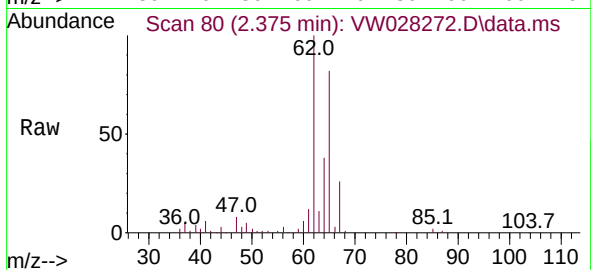
ClientSampleId :

Tgt Ion: 62 Resp: 60012

Ion Ratio Lower Upper

62 100

64 37.6 22.5 41.7



#6

Bromomethane

Concen: 23.305 ug/L

RT: 2.796 min Scan# 149

Delta R.T. 0.001 min

Lab File: VW028272.D

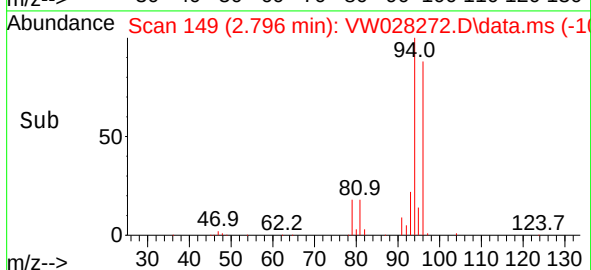
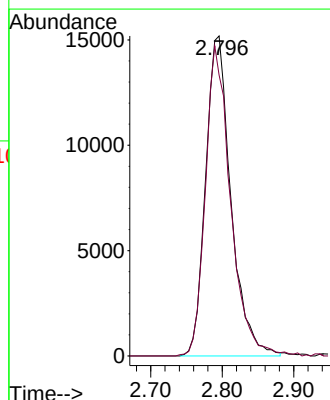
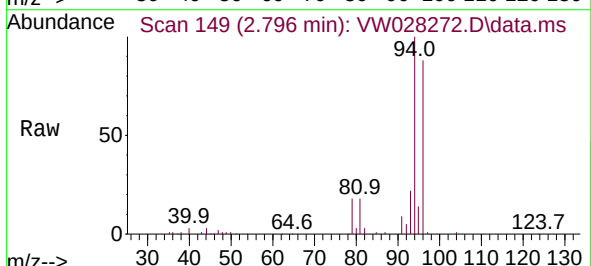
Acq: 28 Mar 2024 16:04

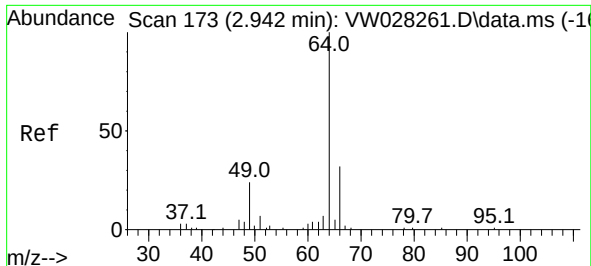
Tgt Ion: 94 Resp: 37403

Ion Ratio Lower Upper

94 100

96 87.8 60.8 113.0

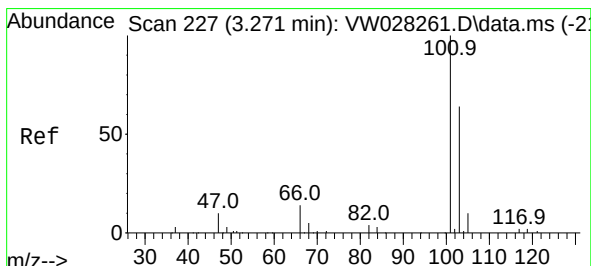
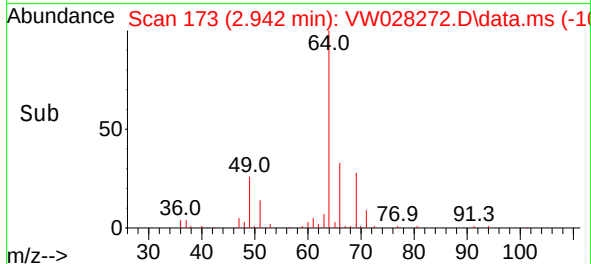
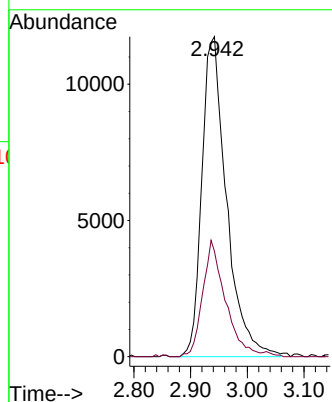
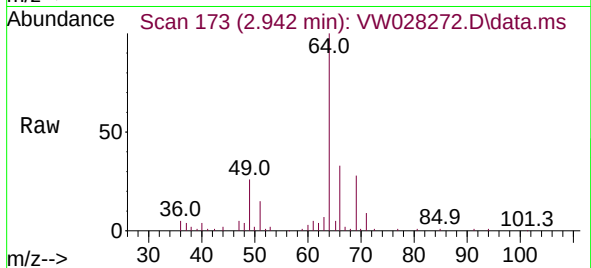




#8
Chloroethane
Concen: 24.470 ug/L
RT: 2.942 min Scan# 173
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

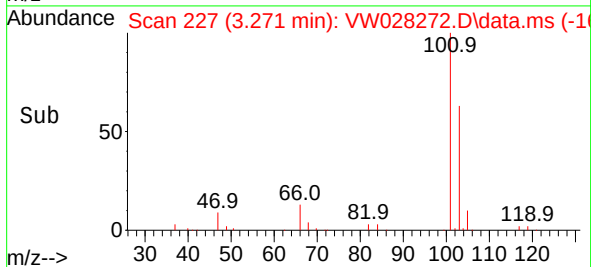
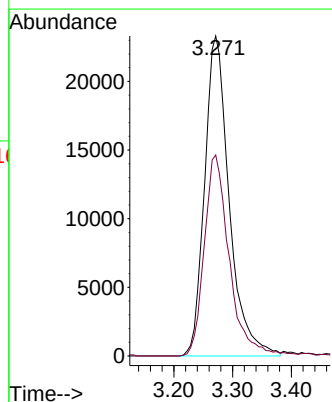
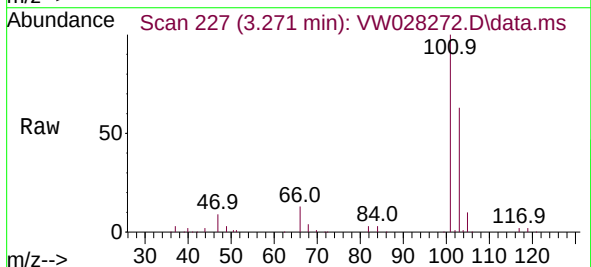
Instrument :
MSVOA_W
ClientSampleId :

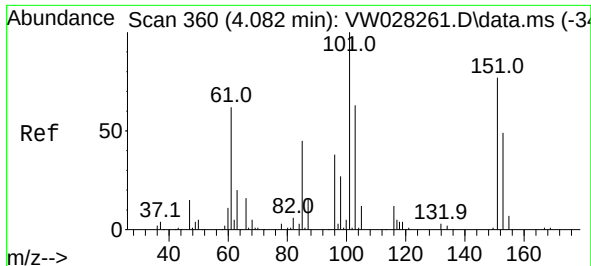
Tgt Ion: 64 Resp: 35445
Ion Ratio Lower Upper
64 100
66 33.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 20.810 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

Tgt Ion:101 Resp: 67804
Ion Ratio Lower Upper
101 100
103 63.3 50.9 76.3





#10

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

Concen: 21.595 ug/L

RT: 4.076 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

ClientSampleId :

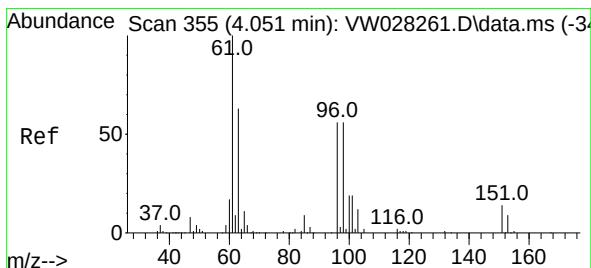
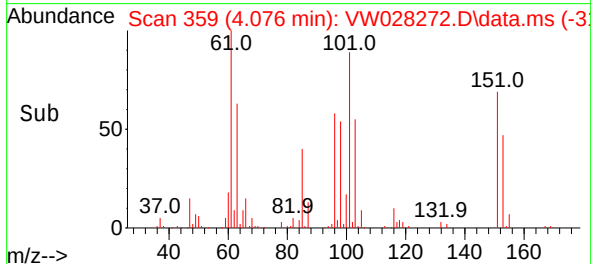
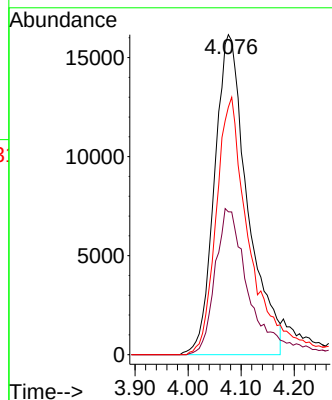
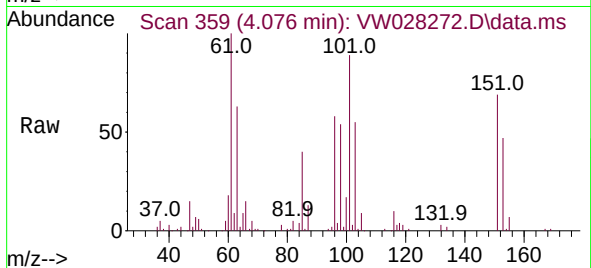
Tgt Ion:101 Resp: 69898

Ion Ratio Lower Upper

101 100

85 42.0 36.4 54.6

151 68.6 58.4 87.6



#12

1,1-Dichloroethene

Concen: 23.168 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.006 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

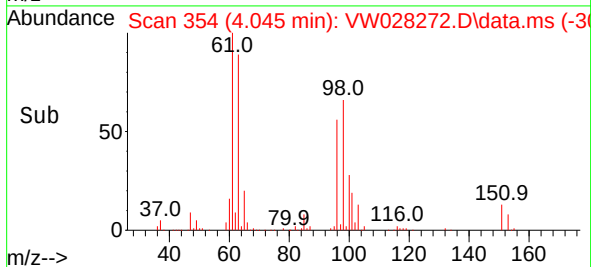
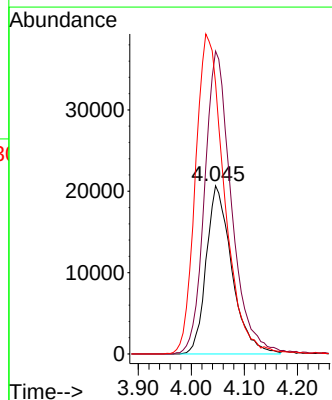
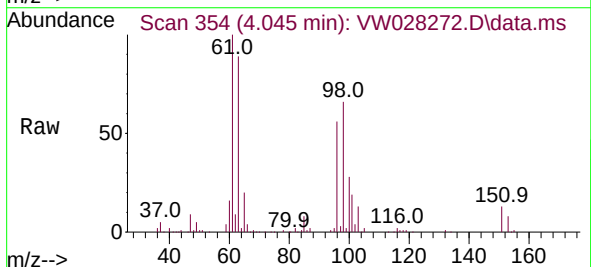
Tgt Ion: 96 Resp: 69324

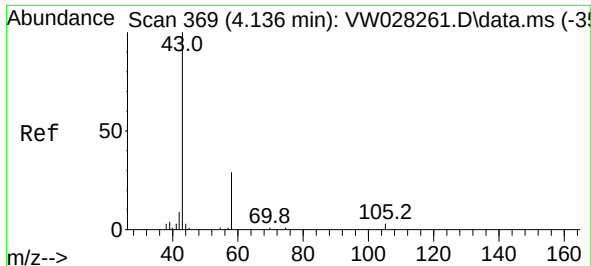
Ion Ratio Lower Upper

96 100

61 180.0 132.2 245.4

63 160.9 104.6 194.2

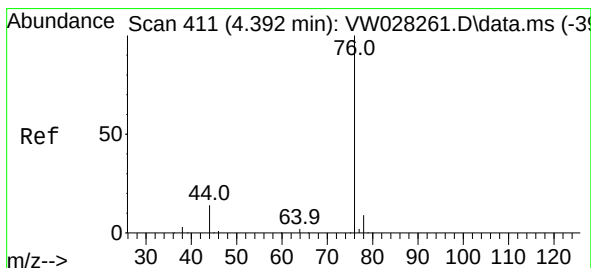
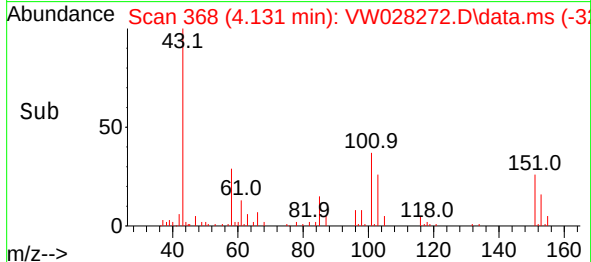
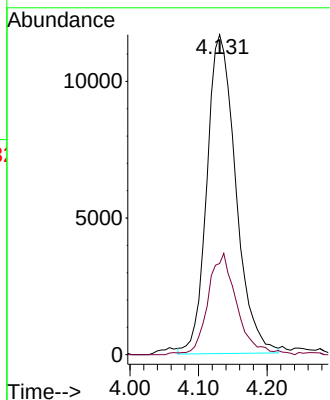
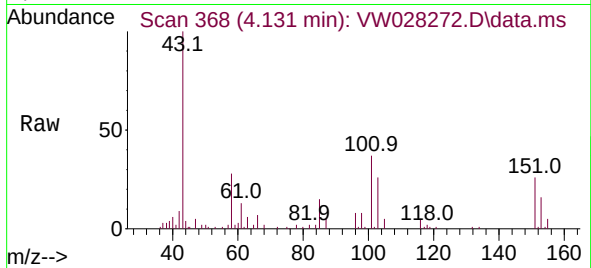




#13
Acetone
Concen: 38.520 ug/L
RT: 4.131 min Scan# 368
Delta R.T. -0.006 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

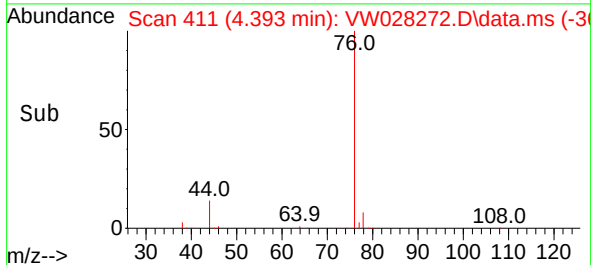
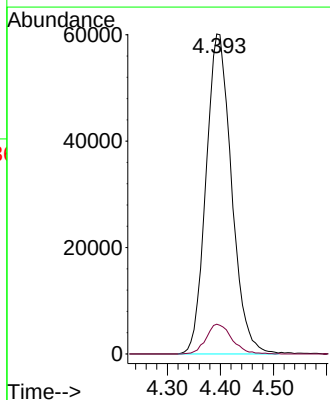
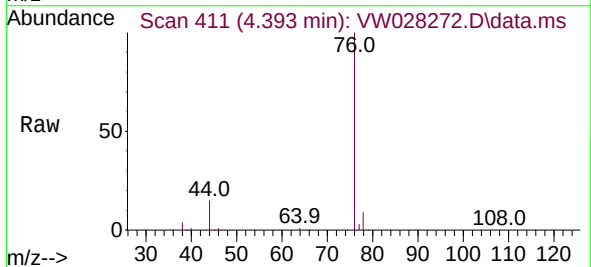
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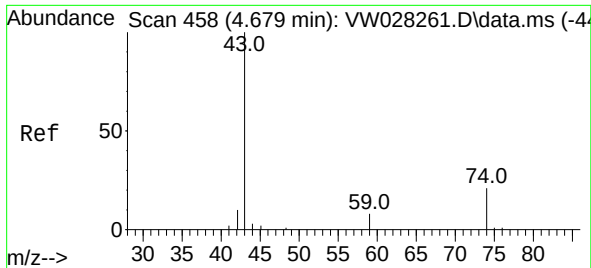
Tgt Ion: 43 Resp: 34200
Ion Ratio Lower Upper
43 100
58 30.3 0.0 57.8



#14
Carbon disulfide
Concen: 21.542 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.001 min
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Tgt Ion: 76 Resp: 201046
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

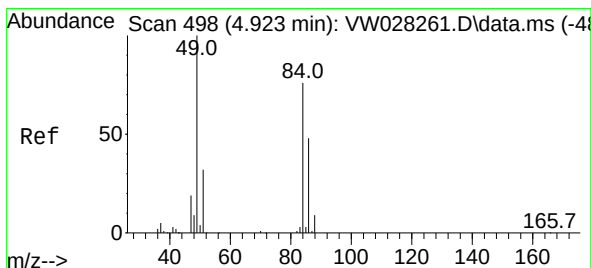
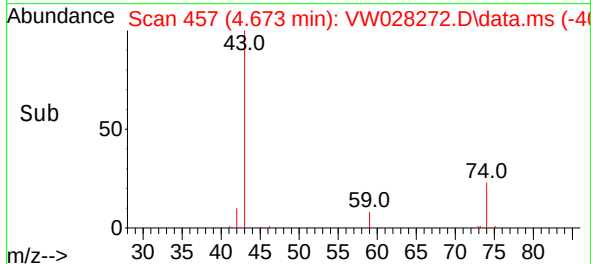
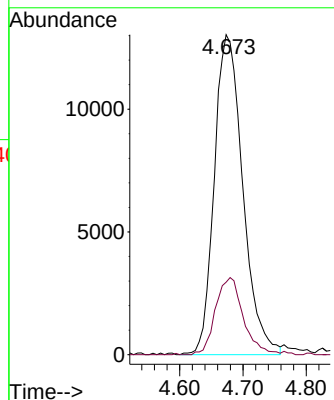
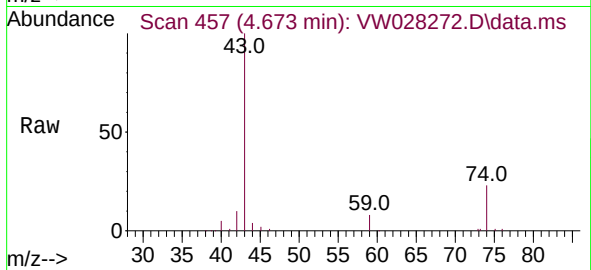




#15
Methyl Acetate
Concen: 29.795 ug/L
RT: 4.673 min Scan# 458
Delta R.T. -0.006 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

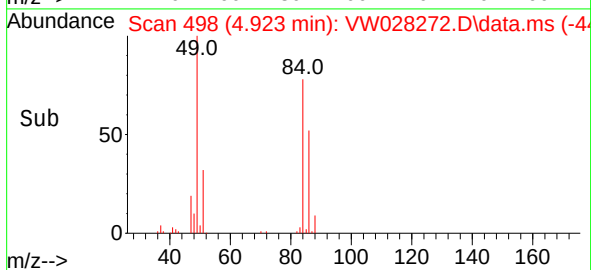
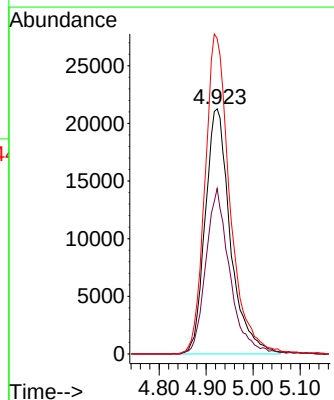
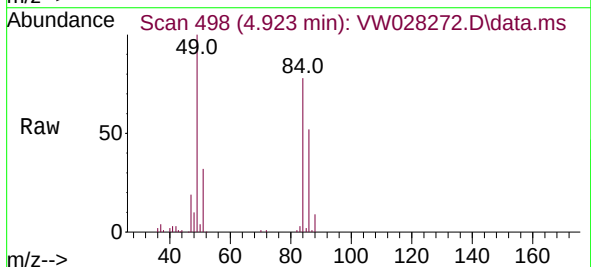
Instrument :
MSVOA_W
ClientSampleId :

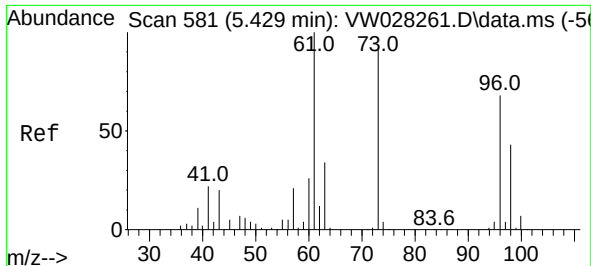
Tgt Ion: 43 Resp: 40747
Ion Ratio Lower Upper
43 100
74 23.3 18.2 27.2



#16
Methylene chloride
Concen: 22.415 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

Tgt Ion: 84 Resp: 79053
Ion Ratio Lower Upper
84 100
86 67.5 43.1 80.1
49 128.7 89.4 166.0





#17

trans-1,2-Dichloroethene

Concen: 24.004 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

ClientSampleId :

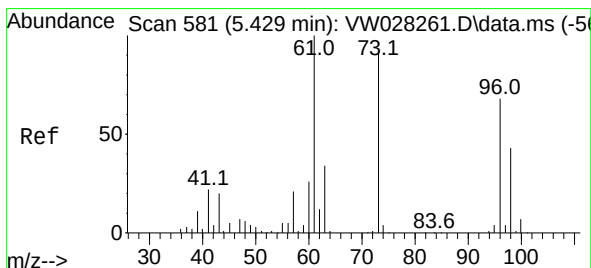
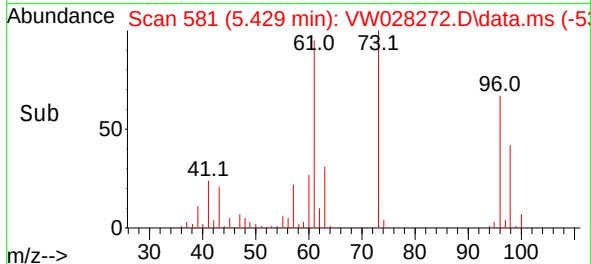
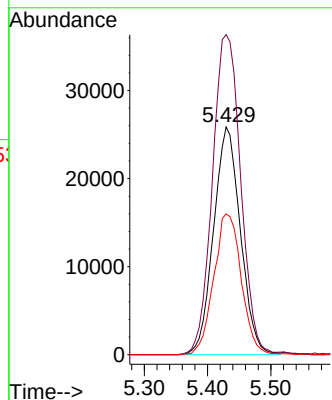
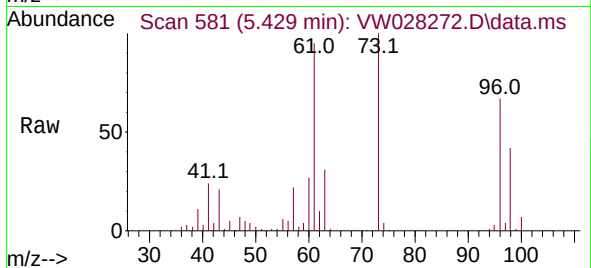
Tgt Ion: 96 Resp: 76332

Ion Ratio Lower Upper

96 100

61 140.5 98.4 182.8

98 61.8 45.6 84.8



#18

Methyl tert-butyl Ether

Concen: 28.046 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

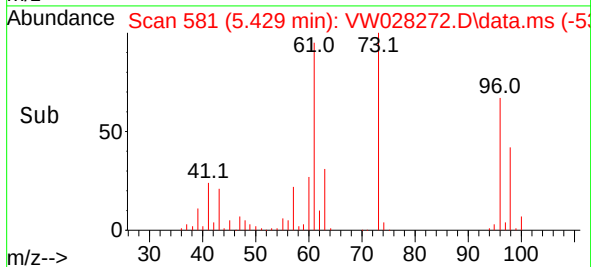
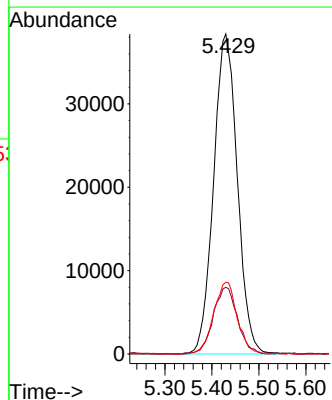
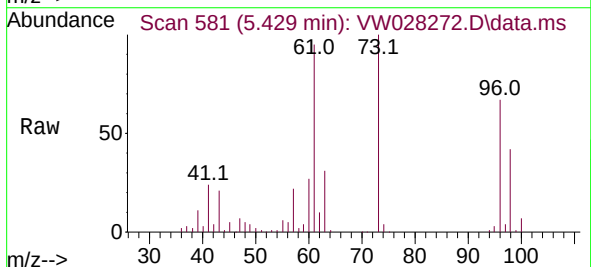
Tgt Ion: 73 Resp: 134556

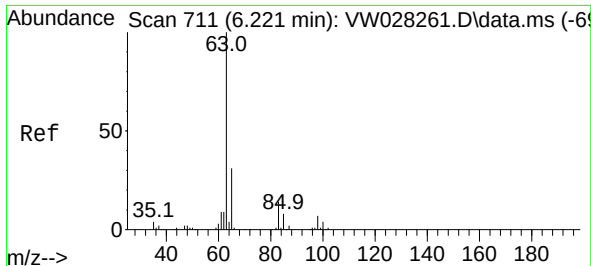
Ion Ratio Lower Upper

73 100

43 21.3 18.2 27.4

57 22.2 17.4 26.2





#19

1,1-Dichloroethane

Concen: 25.240 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

ClientSampleId :

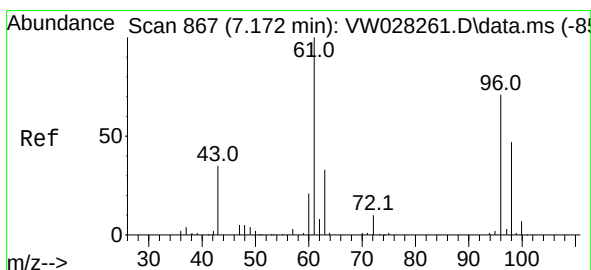
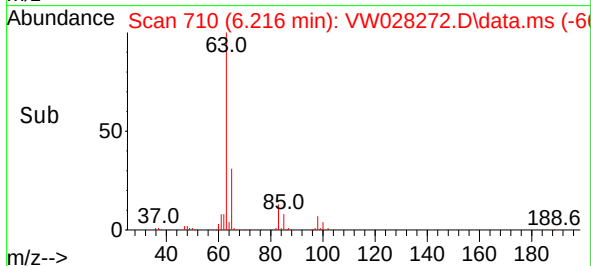
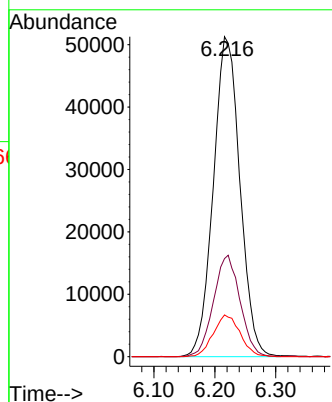
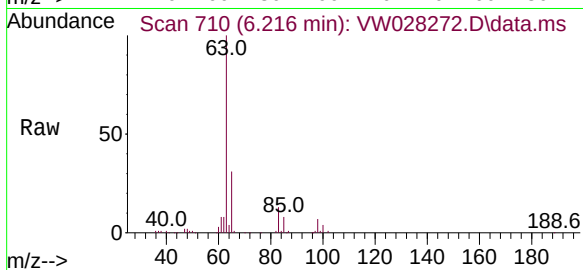
Tgt Ion: 63 Resp: 155383

Ion Ratio Lower Upper

63 100

65 30.7 22.1 41.1

83 13.1 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 25.812 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

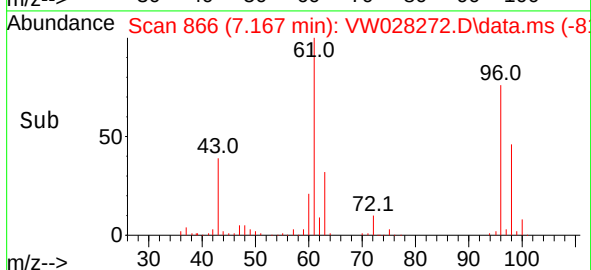
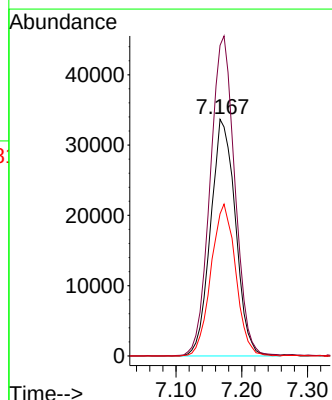
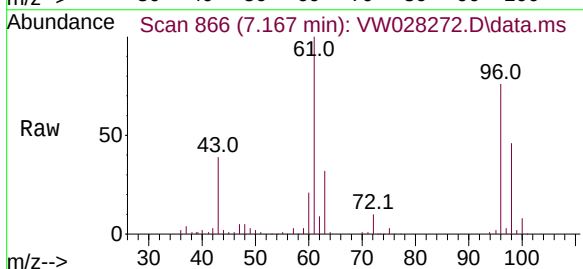
Tgt Ion: 96 Resp: 88648

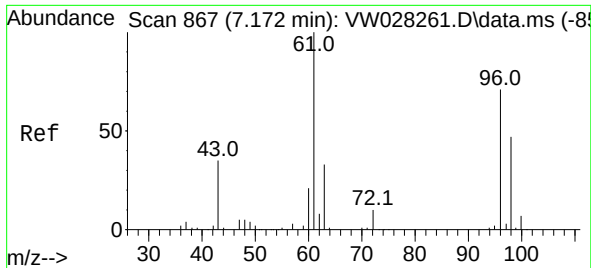
Ion Ratio Lower Upper

96 100

61 131.2 95.7 177.7

98 60.0 43.9 81.5

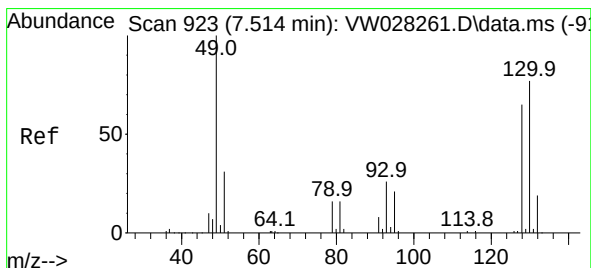
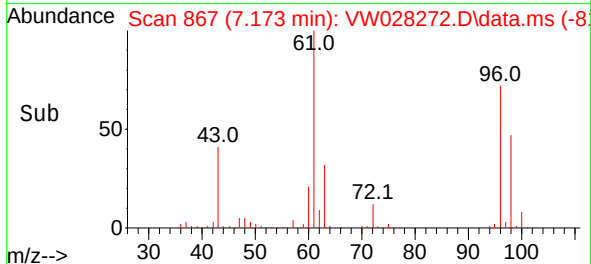
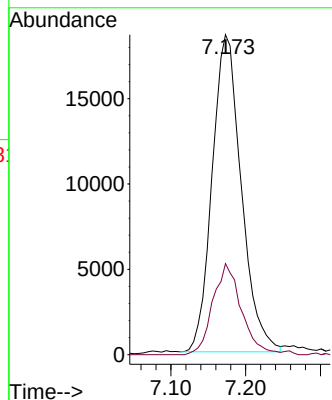
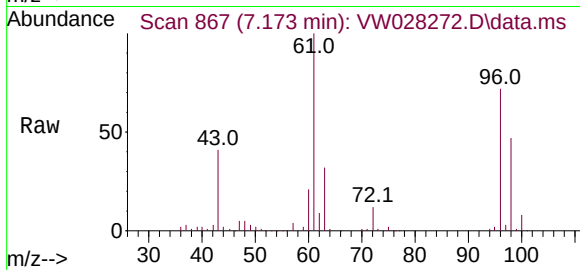




#22
2-Butanone
Concen: 49.995 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

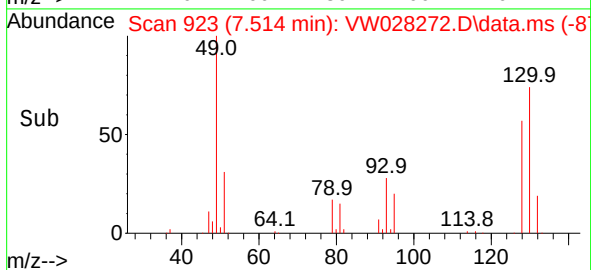
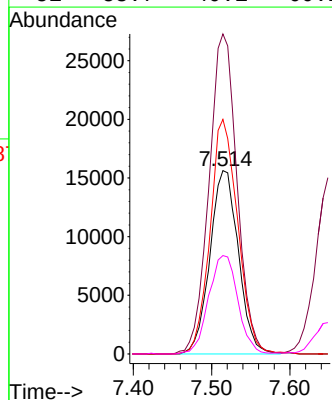
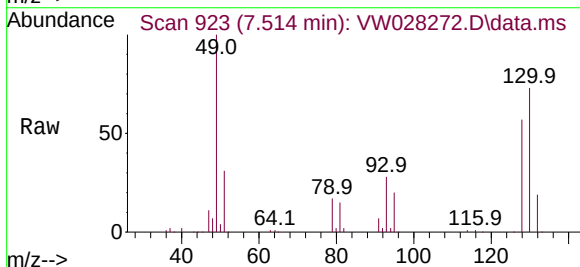
Instrument :
MSVOA_W
ClientSampleId :

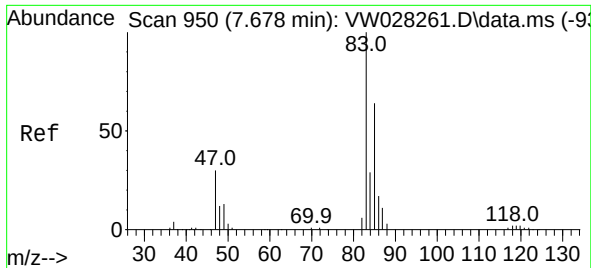
Tgt Ion: 43 Resp: 50397
Ion Ratio Lower Upper
43 100
72 28.0 12.8 38.4



#23
Bromochloromethane
Concen: 25.988 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

Tgt Ion: 128 Resp: 39458
Ion Ratio Lower Upper
128 100
49 174.5 116.6 216.6
130 127.9 80.1 148.7
51 53.7 40.1 60.1

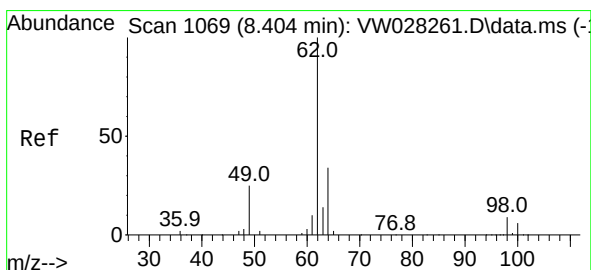
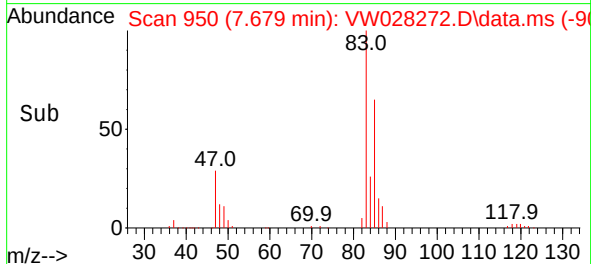
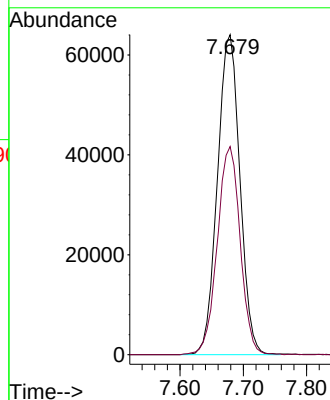
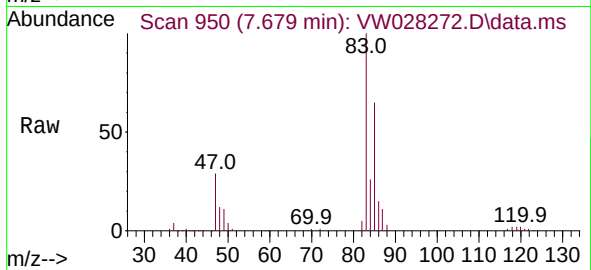




#25
Chloroform
Concen: 24.923 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

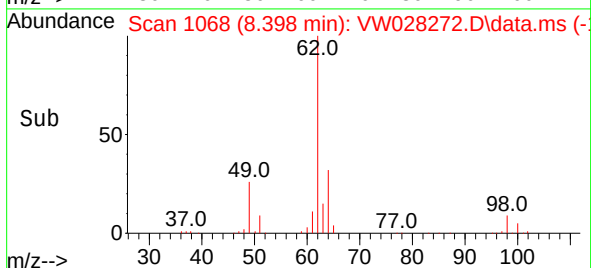
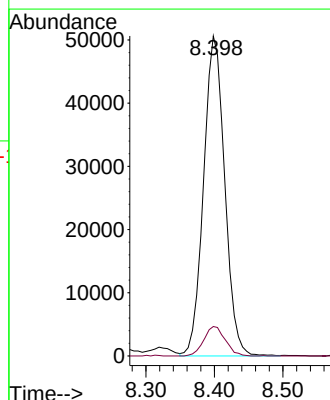
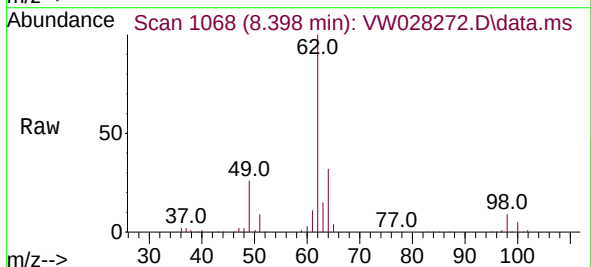
Instrument :
MSVOA_W
ClientSampleId :

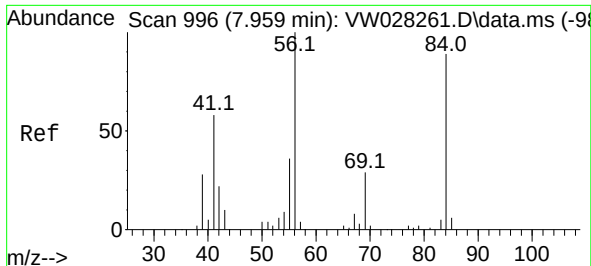
Tgt Ion: 83 Resp: 157955
Ion Ratio Lower Upper
83 100
85 65.1 44.5 82.7



#27
1,2-Dichloroethane
Concen: 24.340 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

Tgt Ion: 62 Resp: 108935
Ion Ratio Lower Upper
62 100
98 9.2 5.9 8.9#





#29

Cyclohexane

Concen: 22.549 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

ClientSampleId :

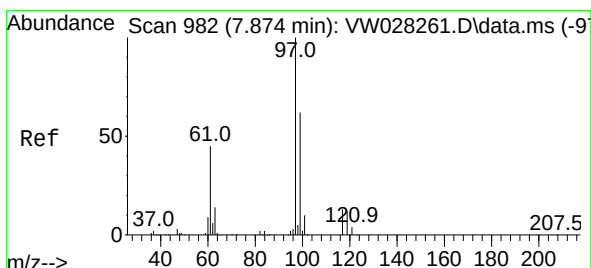
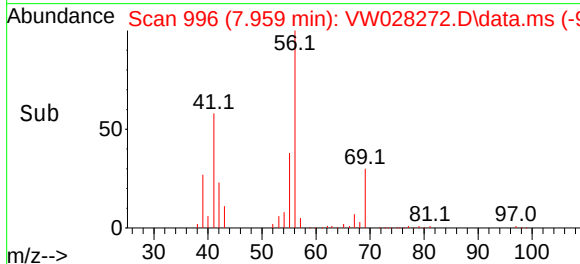
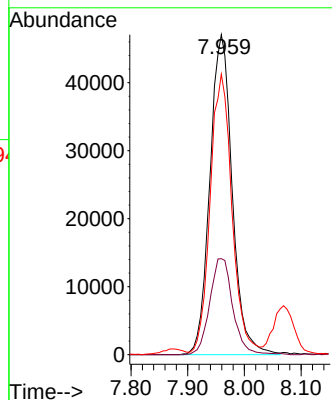
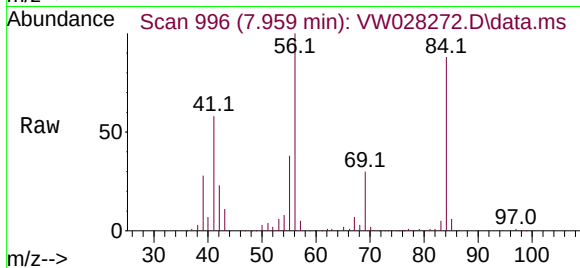
Tgt Ion: 56 Resp: 129080

Ion Ratio Lower Upper

56 100

69 30.8 24.0 36.0

84 85.7 68.4 102.6



#30

1,1,1-Trichloroethane

Concen: 21.776 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

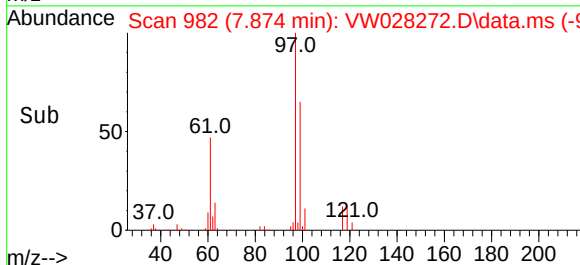
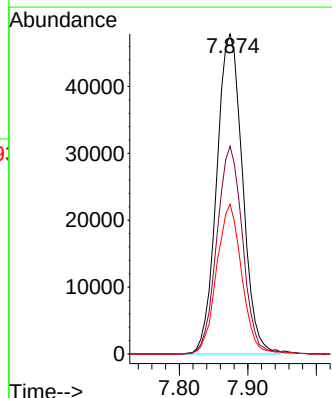
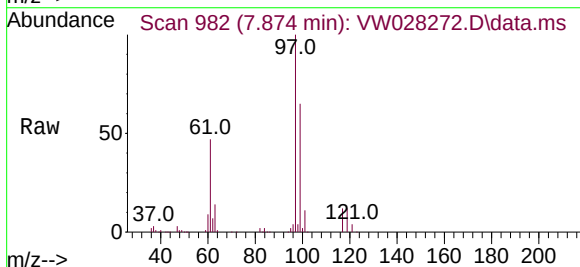
Tgt Ion: 97 Resp: 125281

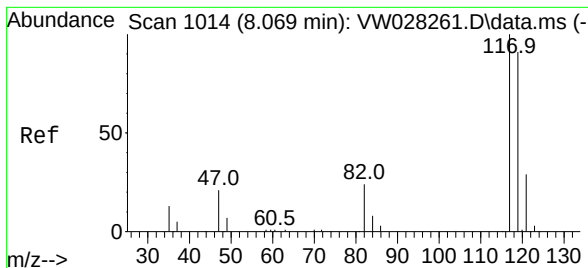
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 45.4 37.0 55.6





#31

Carbon tetrachloride

Concen: 21.061 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

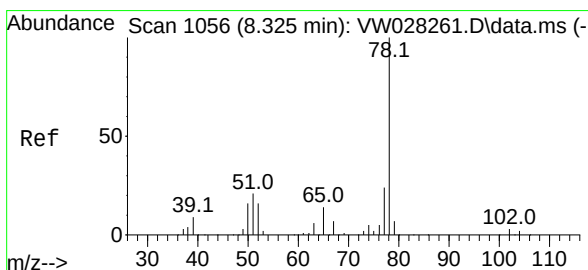
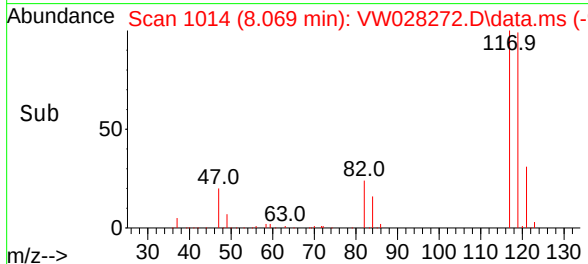
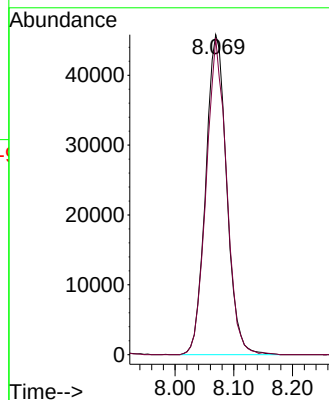
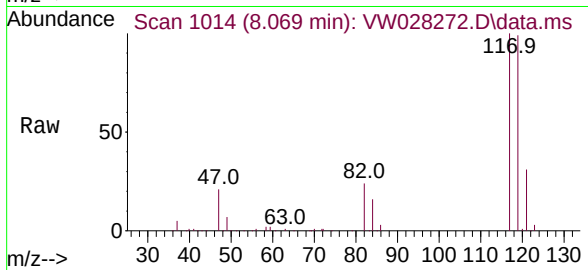
ClientSampleId :

Tgt Ion:117 Resp: 113656

Ion Ratio Lower Upper

117 100

119 95.7 78.2 117.4



#33

Benzene

Concen: 24.353 ug/L

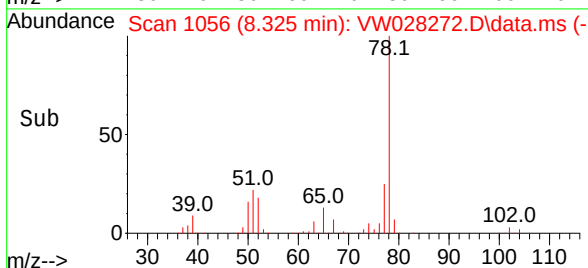
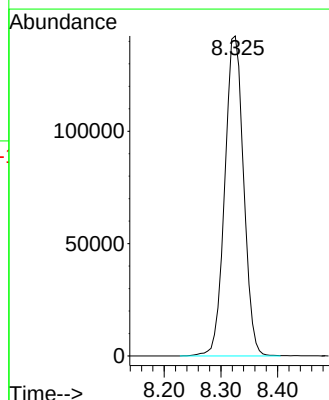
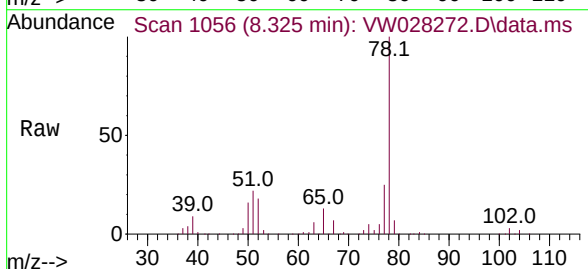
RT: 8.325 min Scan# 1056

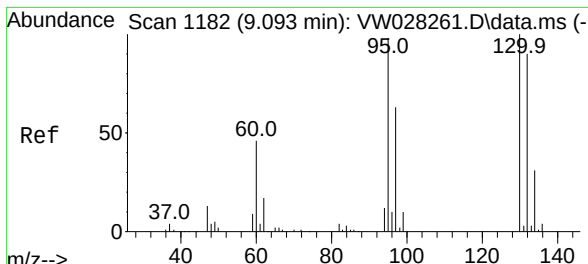
Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Tgt Ion: 78 Resp: 328888



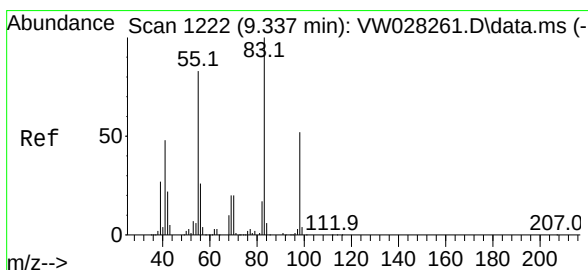
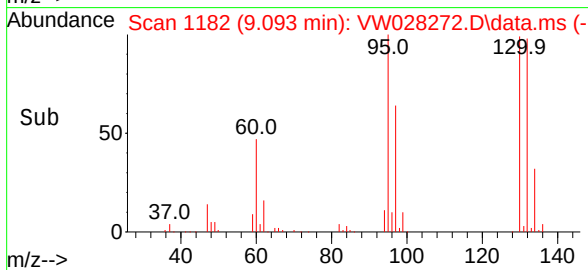
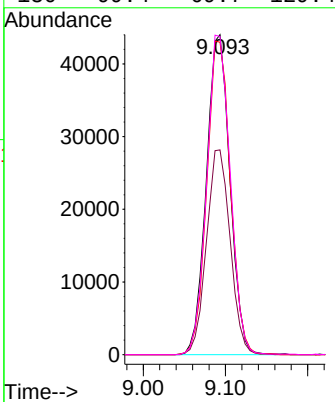
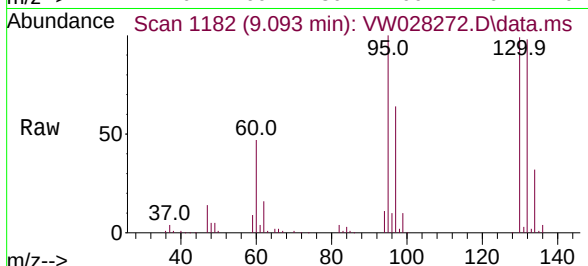


#34
 Trichloroethene
 Concen: 23.356 ug/L
 RT: 9.093 min Scan# 1182
 Delta R.T. 0.001 min
 Lab File: VW028272.D
 Acq: 28 Mar 2024 16:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 95 Resp: 88001

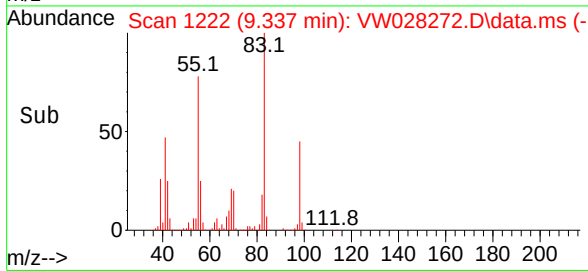
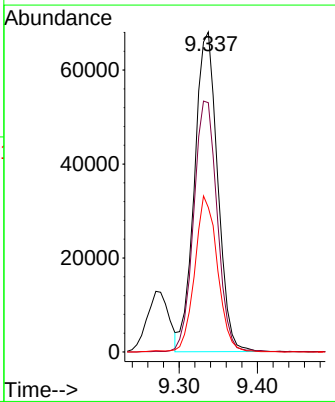
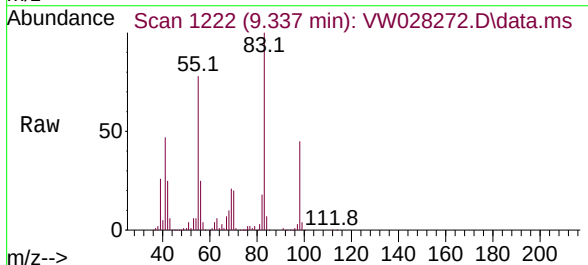
Ion	Ratio	Lower	Upper
95	100		
97	64.0	42.4	78.6
132	97.6	69.4	128.8
130	99.4	69.7	129.4

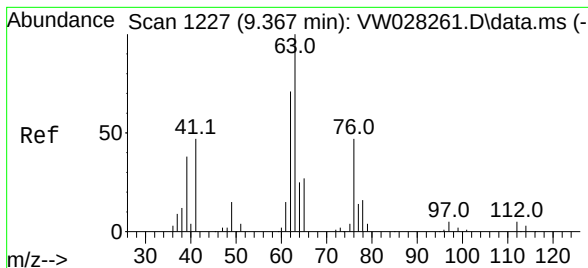


#35
 Methylcyclohexane
 Concen: 21.962 ug/L
 RT: 9.337 min Scan# 1222
 Delta R.T. 0.001 min
 Lab File: VW028272.D
 Acq: 28 Mar 2024 16:04

Tgt Ion: 83 Resp: 139873

Ion	Ratio	Lower	Upper
83	100		
55	79.9	64.2	96.4
98	47.9	38.3	57.5





#37

1,2-Dichloropropane

Concen: 25.527 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

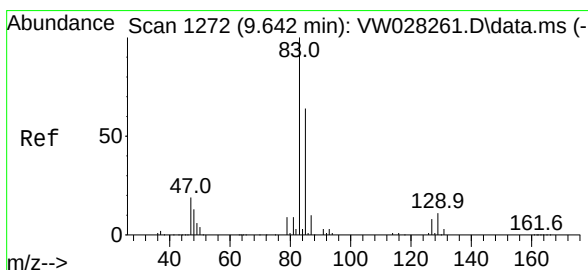
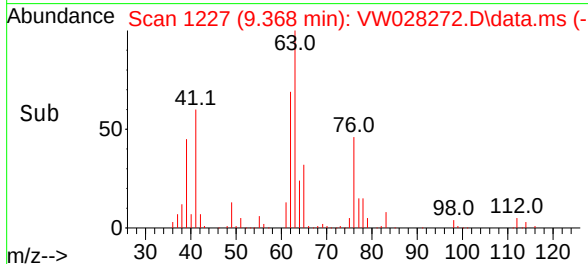
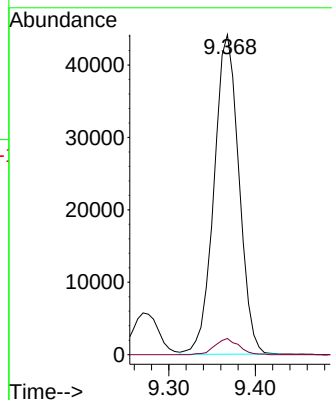
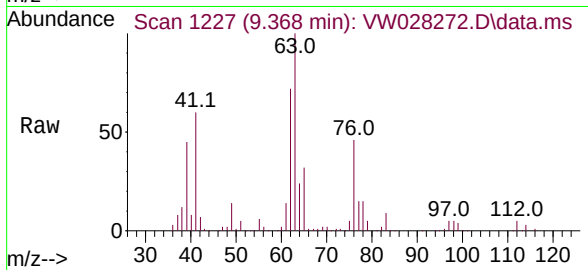
ClientSampleId :

Tgt Ion: 63 Resp: 88180

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 24.773 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

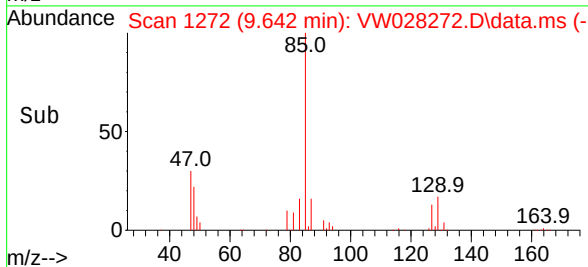
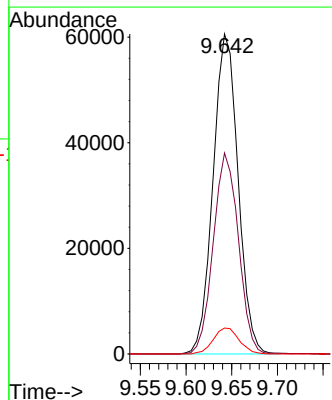
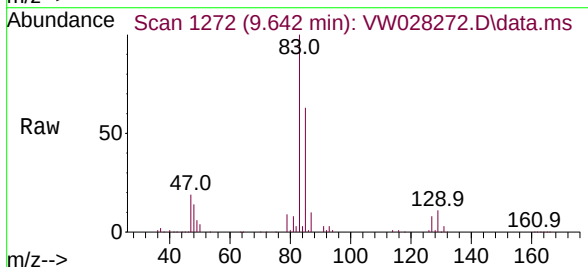
Tgt Ion: 83 Resp: 115377

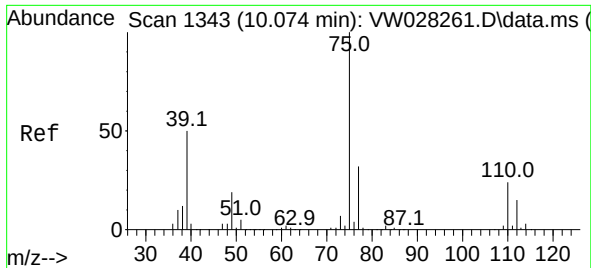
Ion Ratio Lower Upper

83 100

85 62.8 45.8 85.2

127 8.1 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 25.141 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

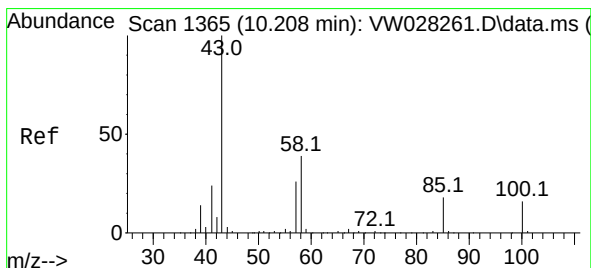
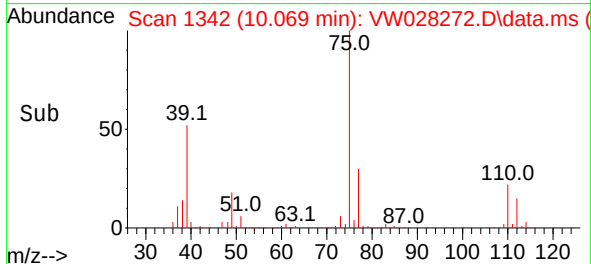
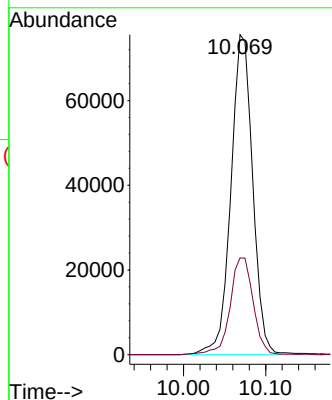
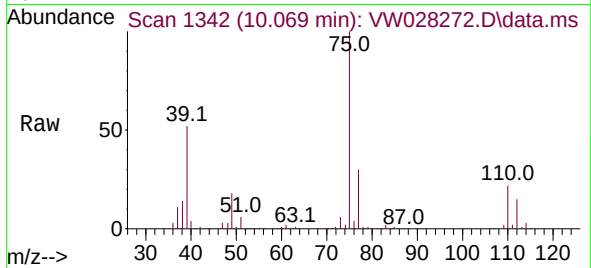
ClientSampleId :

Tgt Ion: 75 Resp: 139080

Ion Ratio Lower Upper

75 100

77 30.3 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 59.266 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

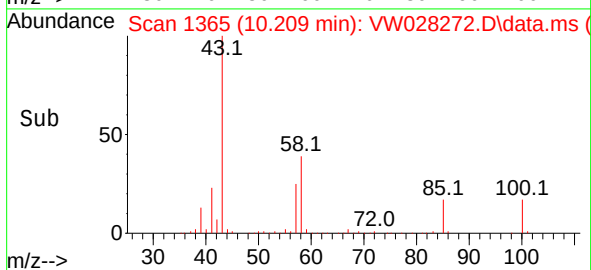
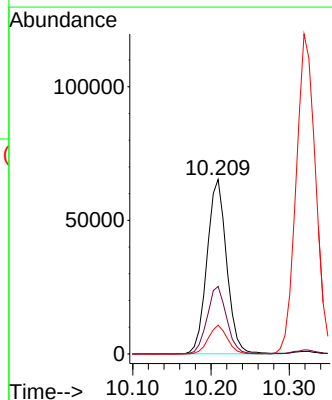
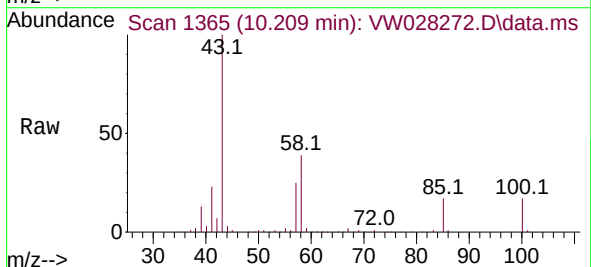
Tgt Ion: 43 Resp: 113005

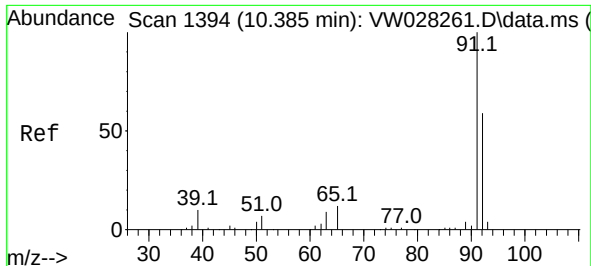
Ion Ratio Lower Upper

43 100

58 38.7 30.1 45.1

100 16.0 11.8 17.8





#42

Toluene

Concen: 24.086 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

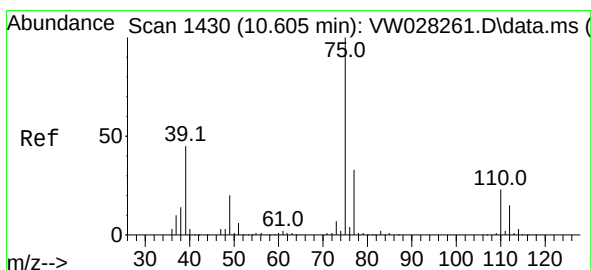
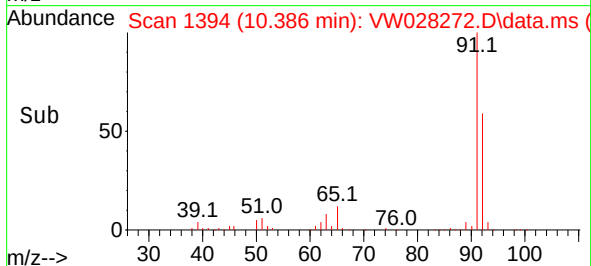
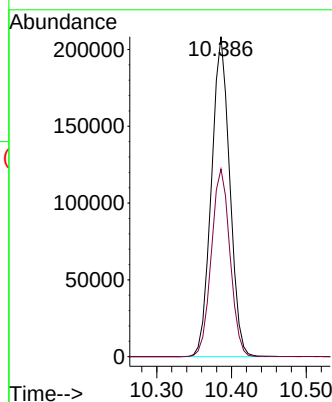
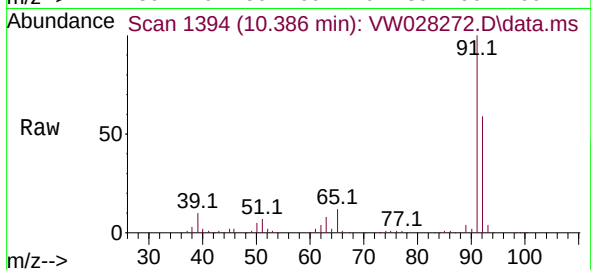
ClientSampleId :

Tgt Ion: 91 Resp: 355015

Ion Ratio Lower Upper

91 100

92 58.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 25.186 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.001 min

Lab File: VW028272.D

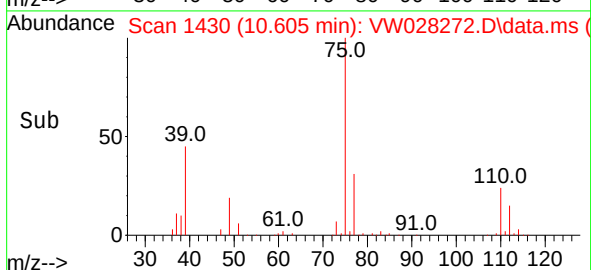
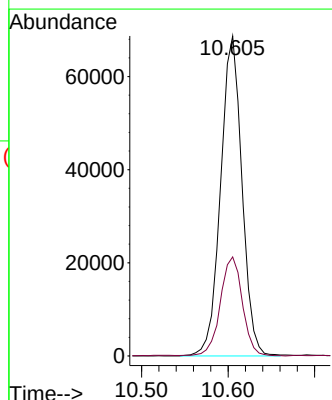
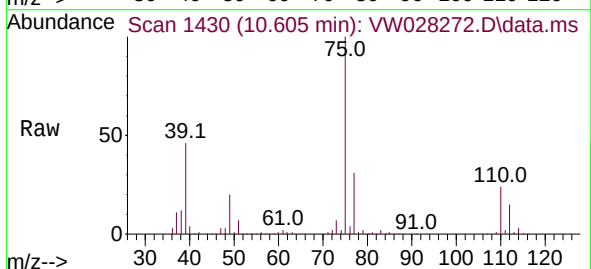
Acq: 28 Mar 2024 16:04

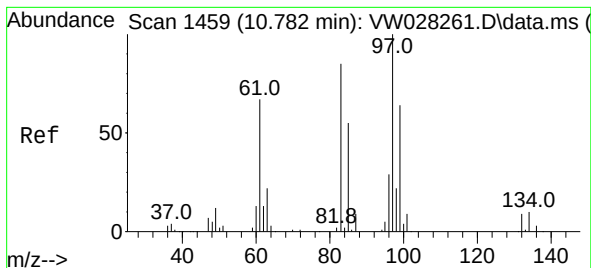
Tgt Ion: 75 Resp: 117633

Ion Ratio Lower Upper

75 100

77 31.0 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 26.953 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 67270

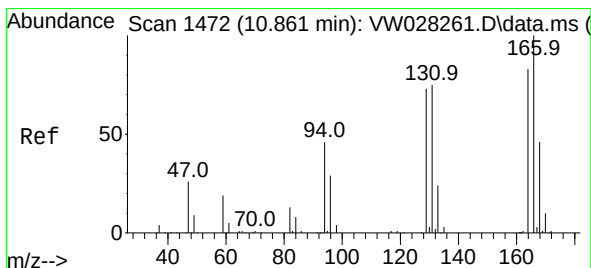
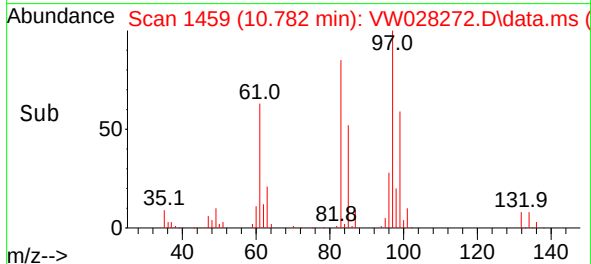
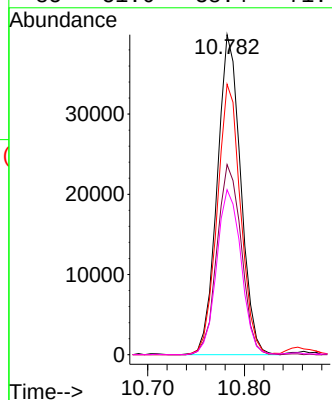
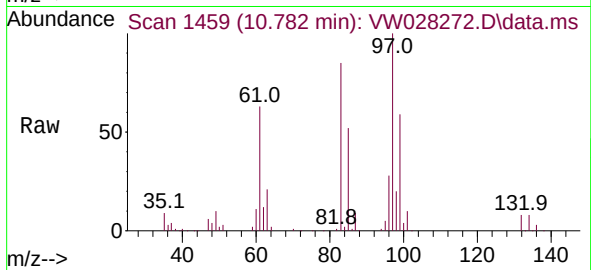
Ion Ratio Lower Upper

97 100

99 59.4 43.4 80.6

83 84.5 59.4 110.4

85 51.6 38.4 71.4



#46

Tetrachloroethene

Concen: 21.568 ug/L

RT: 10.855 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Tgt Ion:164 Resp: 65506

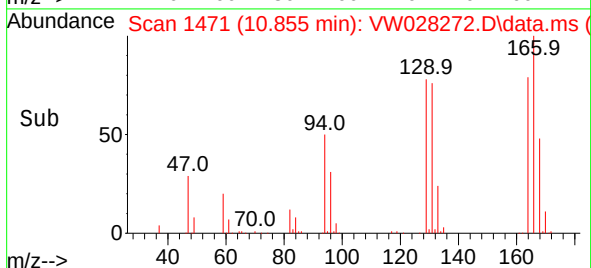
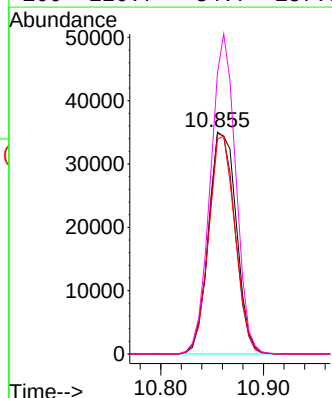
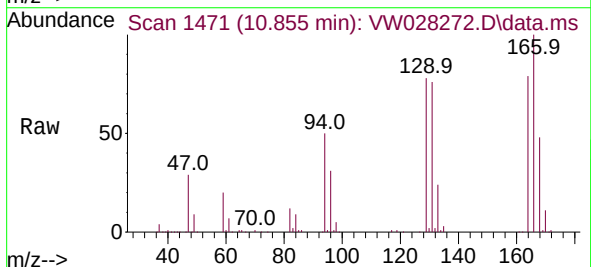
Ion Ratio Lower Upper

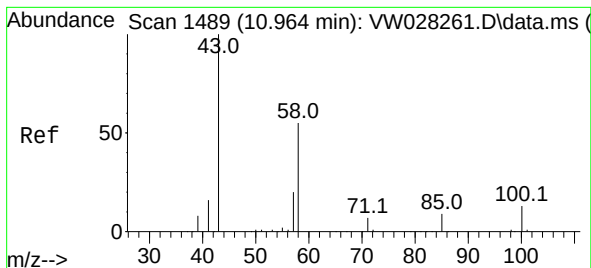
164 100

129 99.4 64.0 119.0

131 96.8 62.6 116.3

166 126.7 84.7 157.3

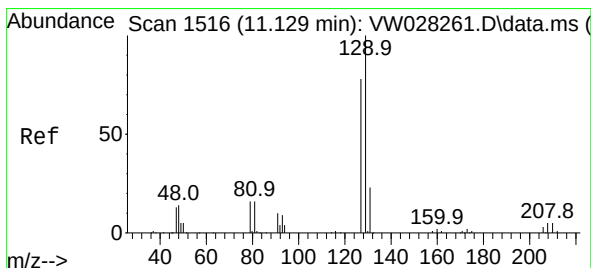
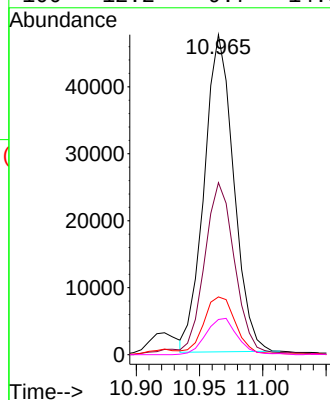
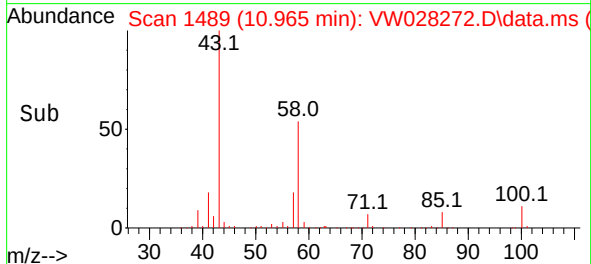
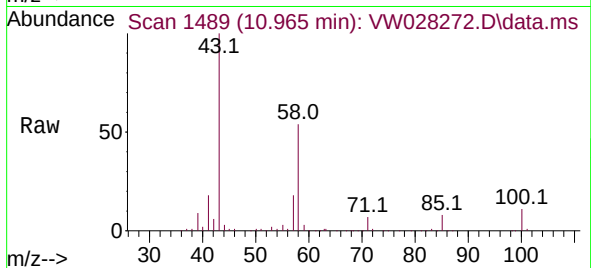




#48
2-Hexanone
Concen: 51.579 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

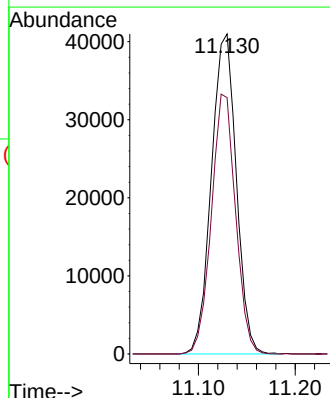
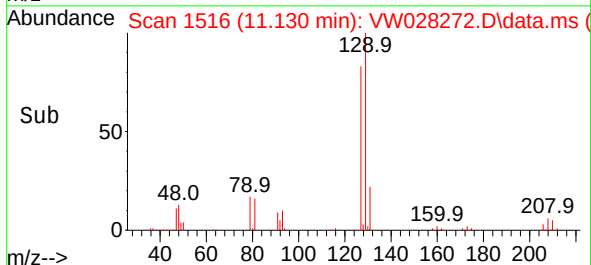
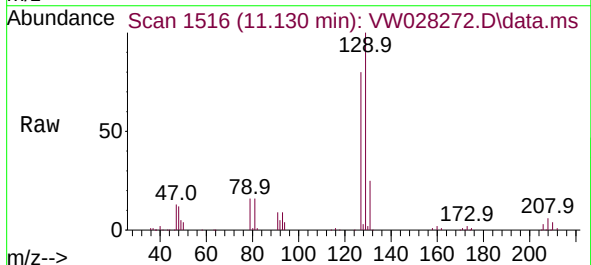
Instrument :
MSVOA_W
ClientSampleId :

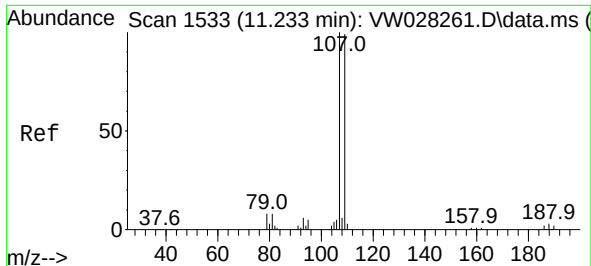
Tgt Ion:	43	Resp:	77040
Ion	Ratio	Lower	Upper
43	100		
58	53.9	40.6	61.0
57	19.9	15.7	23.5
100	12.2	9.7	14.5



#49
Dibromochloromethane
Concen: 24.826 ug/L
RT: 11.130 min Scan# 1516
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

Tgt Ion:	129	Resp:	73380
Ion	Ratio	Lower	Upper
129	100		
127	80.1	53.1	98.7





#50

1,2-Dibromoethane

Concen: 26.702 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.001 min

Lab File: VW028272.D

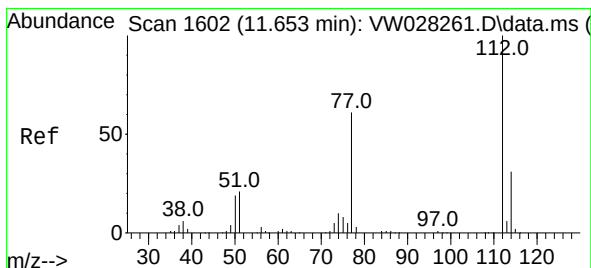
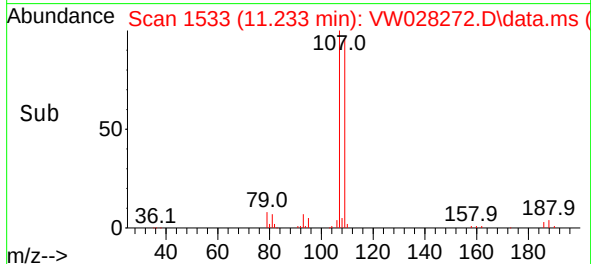
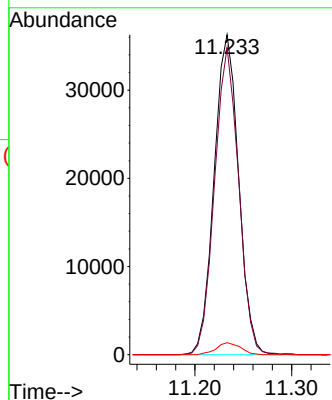
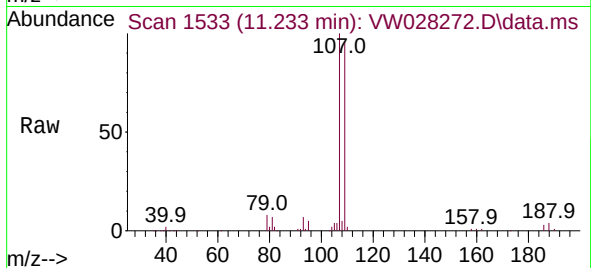
Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	107	Resp:	63723
Ion	Ratio	Lower	Upper
107	100		
109	96.0	64.4	119.6
188	3.8	3.4	5.2



#51

Chlorobenzene

Concen: 24.493 ug/L

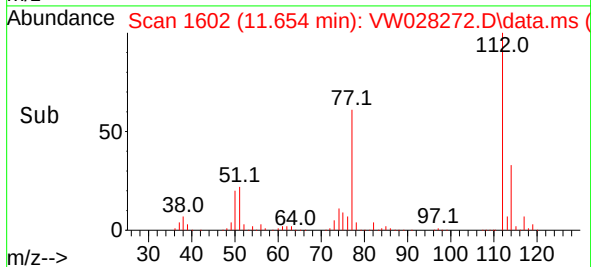
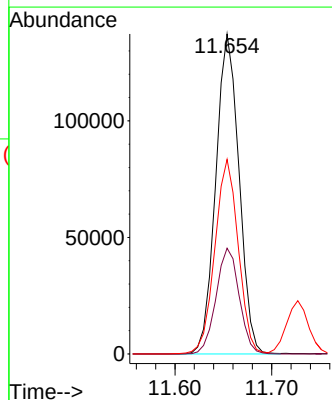
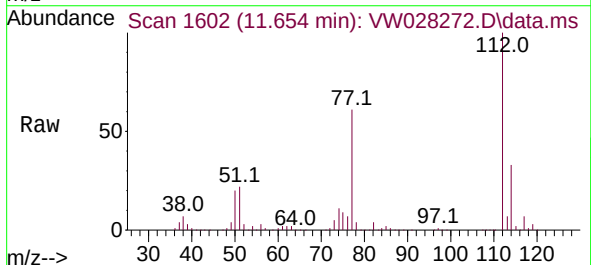
RT: 11.654 min Scan# 1602

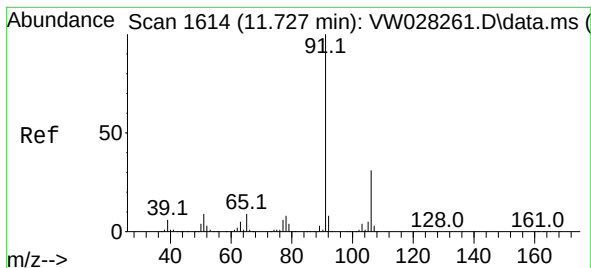
Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Tgt Ion:	112	Resp:	229143
Ion	Ratio	Lower	Upper
112	100		
114	33.1	21.8	40.6
77	60.8	50.6	76.0





#52

Ethylbenzene

Concen: 24.055 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

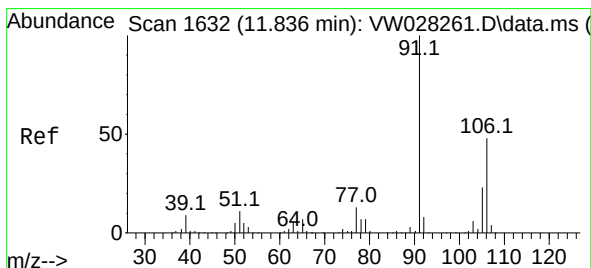
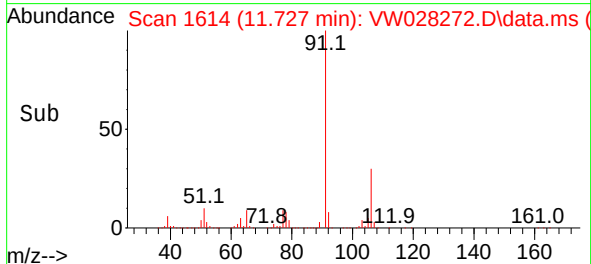
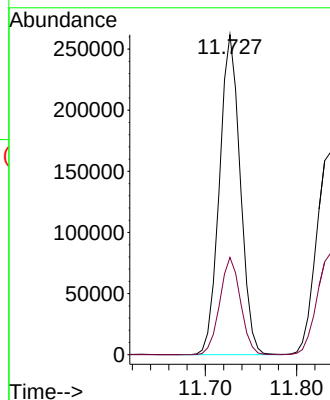
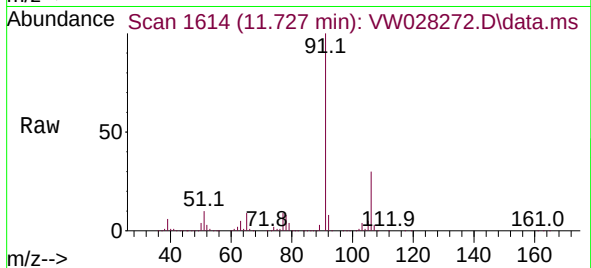
ClientSampleId :

Tgt Ion: 91 Resp: 413898

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5



#53

m,p-Xylene

Concen: 23.892 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.001 min

Lab File: VW028272.D

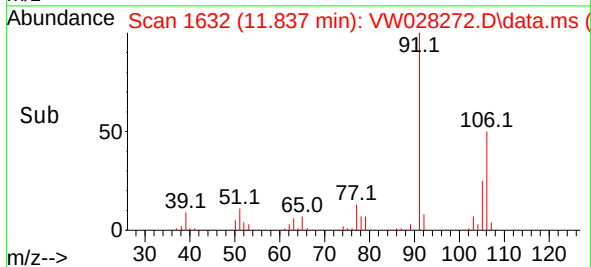
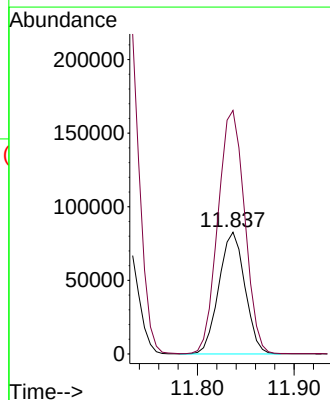
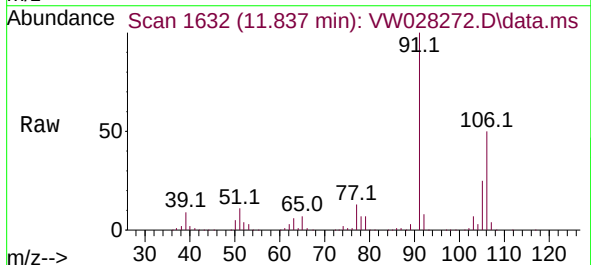
Acq: 28 Mar 2024 16:04

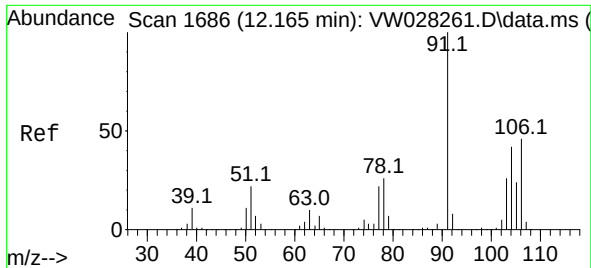
Tgt Ion:106 Resp: 154696

Ion Ratio Lower Upper

106 100

91 199.9 147.1 273.1

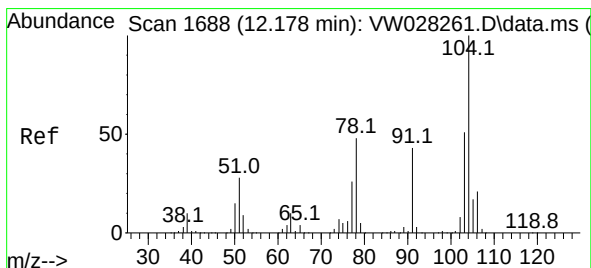
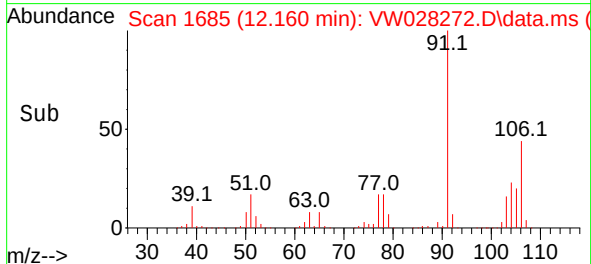
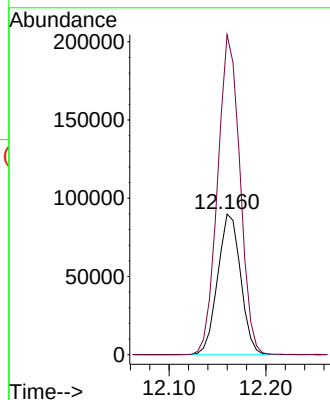
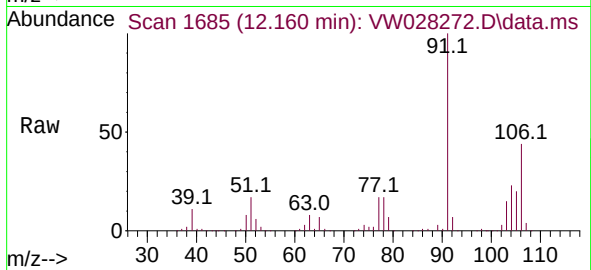




#54
o-Xylene
Concen: 24.643 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

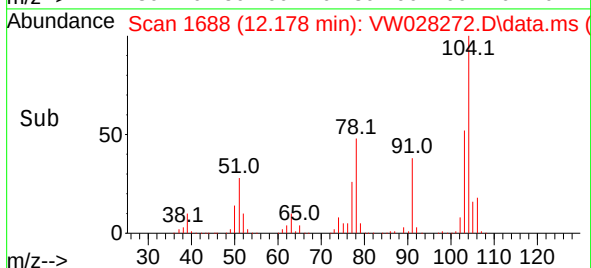
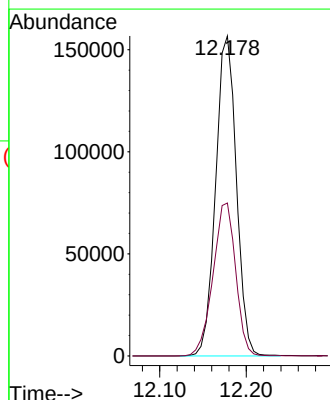
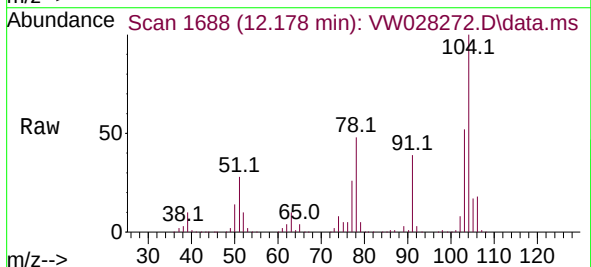
Instrument :
MSVOA_W
ClientSampleId :

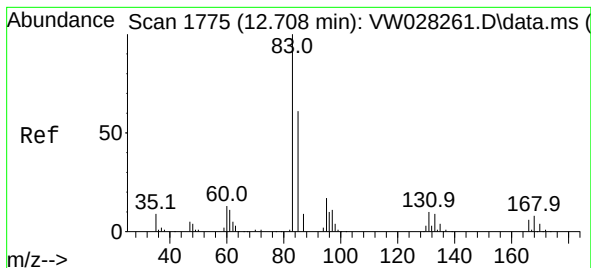
Tgt Ion:106 Resp: 147968
Ion Ratio Lower Upper
106 100
91 227.5 149.2 277.2



#55
Styrene
Concen: 25.224 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

Tgt Ion:104 Resp: 260150
Ion Ratio Lower Upper
104 100
78 47.8 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 28.348 ug/L

RT: 12.709 min Scan# 1

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

ClientSampleId :

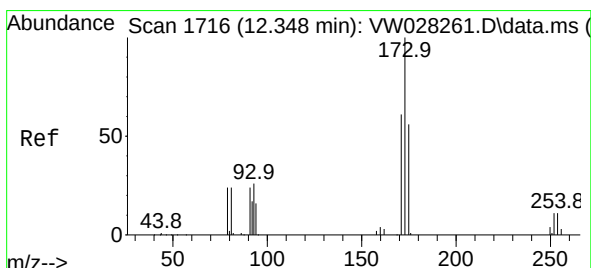
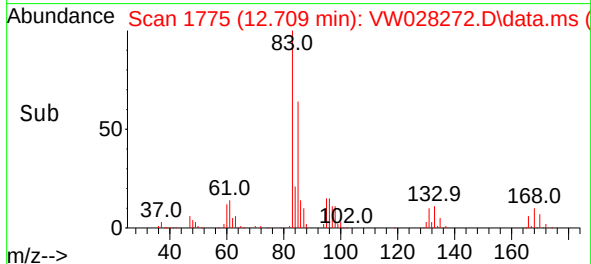
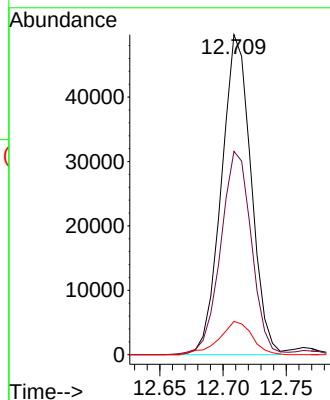
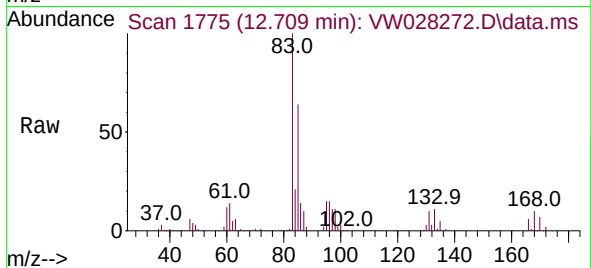
Tgt Ion: 83 Resp: 80925

Ion Ratio Lower Upper

83 100

85 63.6 47.0 87.2

131 10.4 8.9 13.3



#59

Bromoform

Concen: 26.667 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

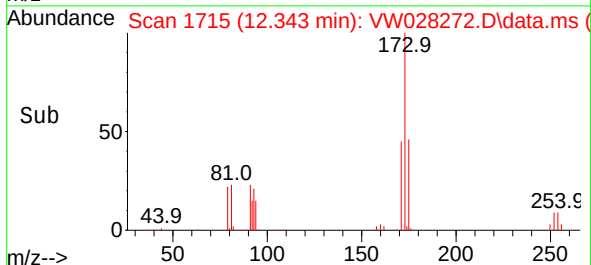
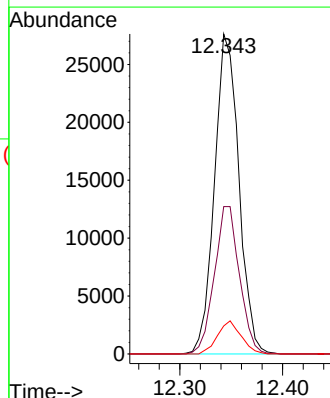
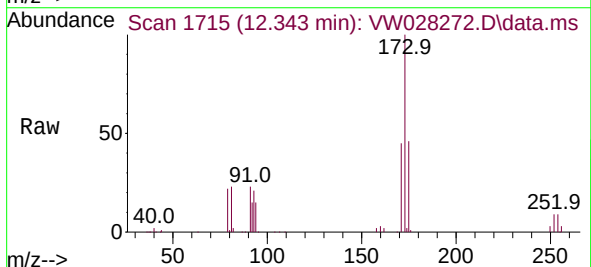
Tgt Ion:173 Resp: 45449

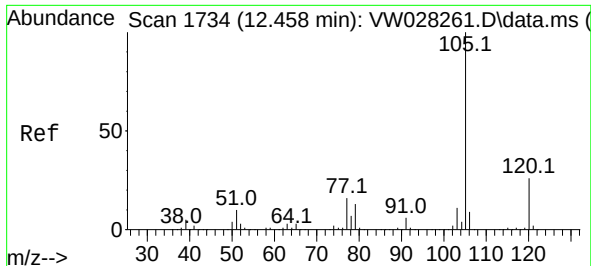
Ion Ratio Lower Upper

173 100

175 47.4 39.8 59.6

254 10.0 8.5 12.7

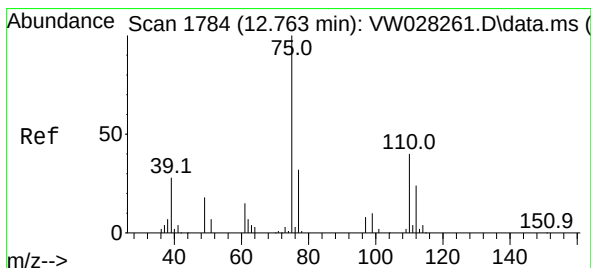
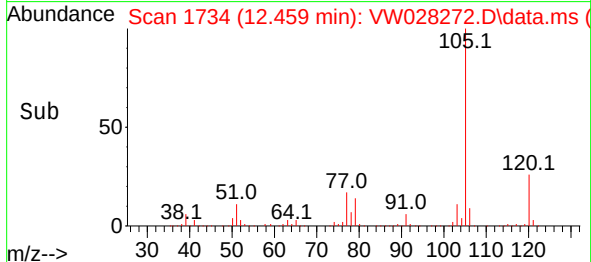
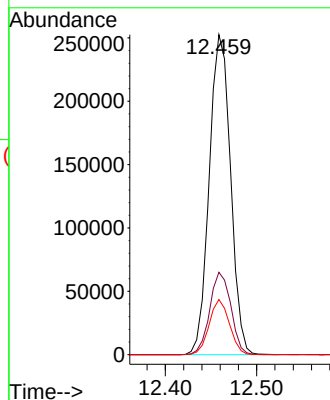
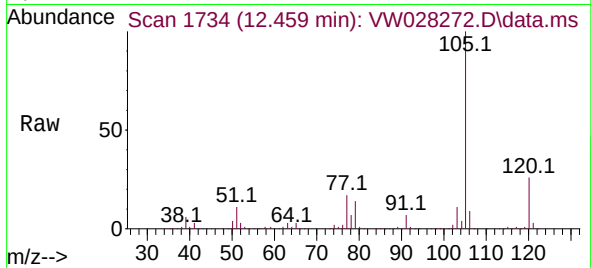




#60
Isopropylbenzene
Concen: 24.228 ug/L
RT: 12.459 min Scan# 1734
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

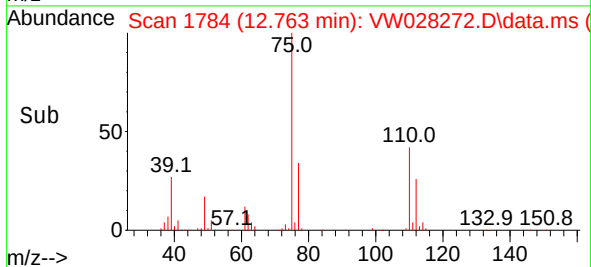
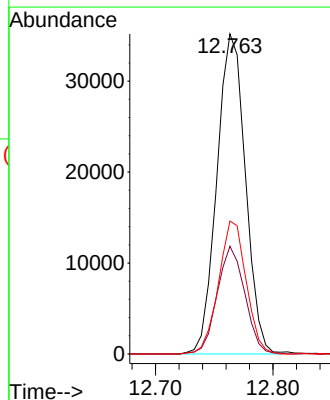
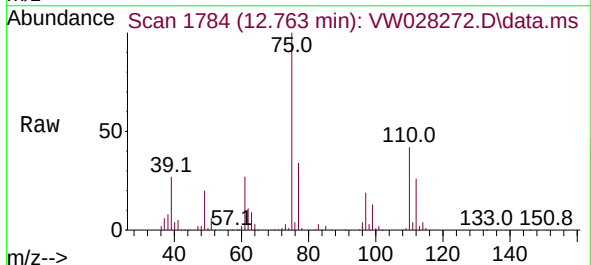
Instrument :
MSVOA_W
ClientSampleId :

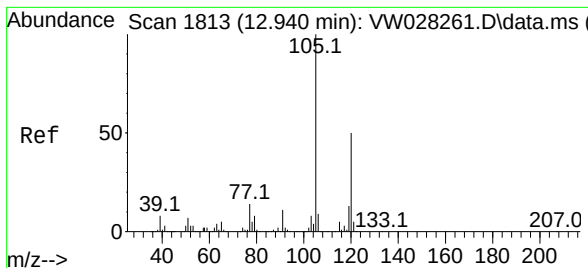
Tgt Ion:105 Resp: 409418
Ion Ratio Lower Upper
105 100
120 25.5 21.0 31.6
77 16.4 13.7 20.5



#61
1,2,3-Trichloropropane
Concen: 27.375 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

Tgt Ion: 75 Resp: 59421
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
110 40.2 32.2 48.2





#62

1,3,5-Trimethylbenzene

Concen: 24.525 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

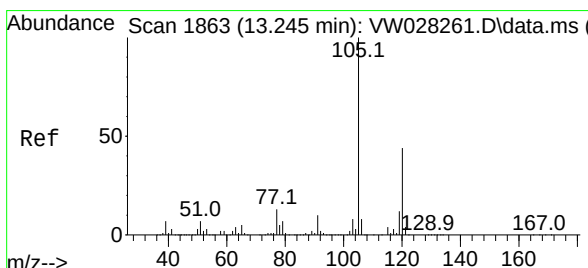
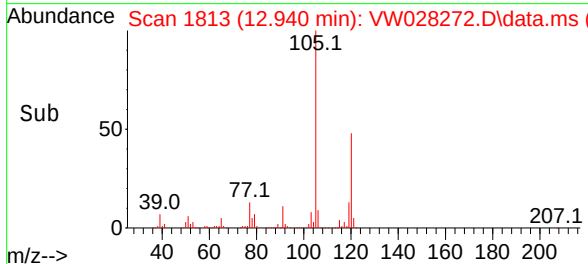
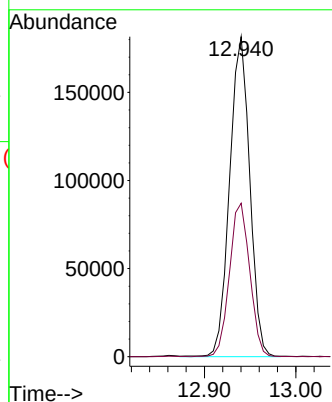
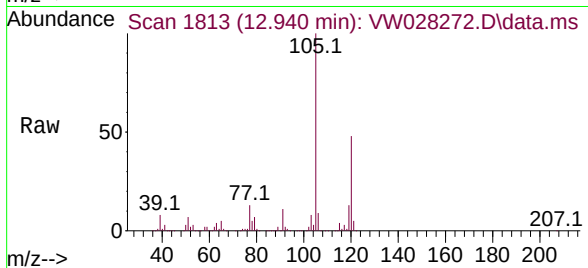
ClientSampleId :

Tgt Ion:105 Resp: 278078

Ion Ratio Lower Upper

105 100

120 48.3 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 24.521 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.001 min

Lab File: VW028272.D

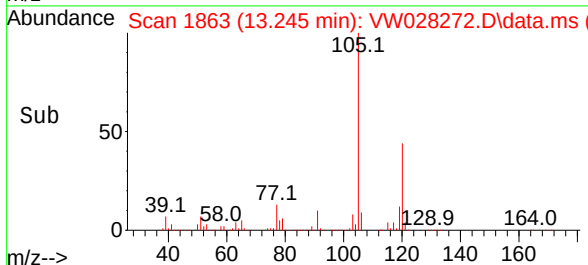
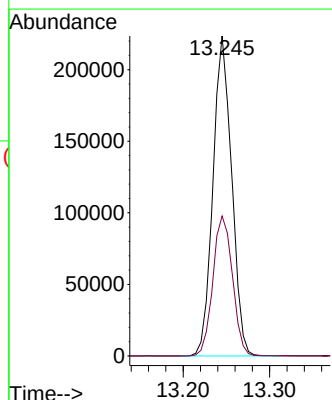
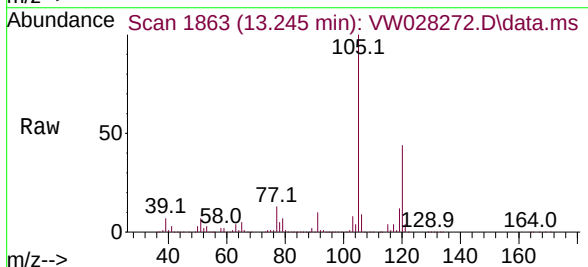
Acq: 28 Mar 2024 16:04

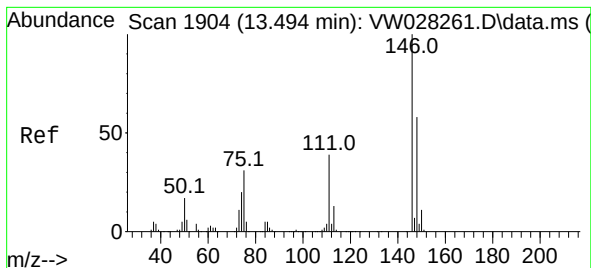
Tgt Ion:105 Resp: 335713

Ion Ratio Lower Upper

105 100

120 45.7 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 24.379 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

ClientSampleId :

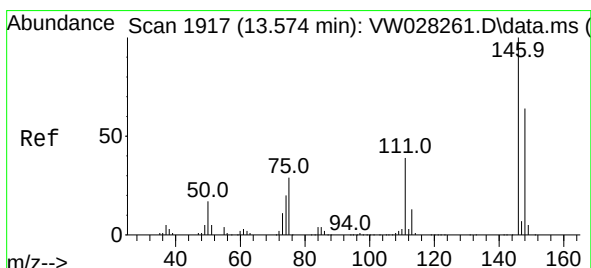
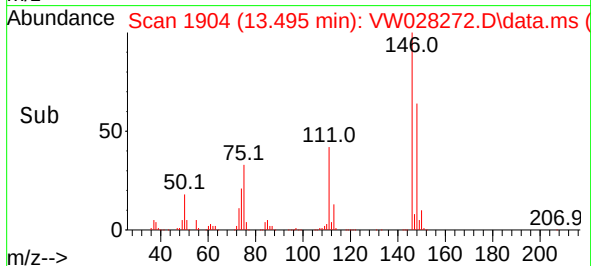
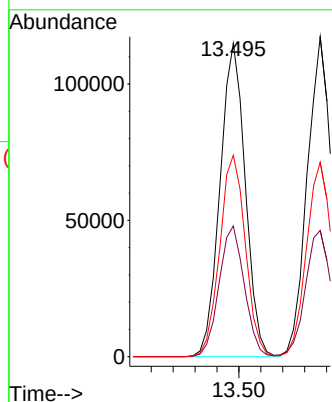
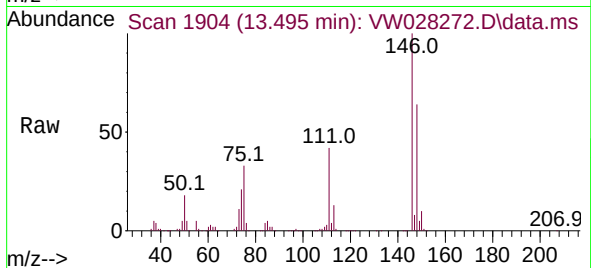
Tgt Ion:146 Resp: 183790

Ion Ratio Lower Upper

146 100

111 41.7 28.5 52.9

148 64.3 43.0 80.0



#65

1,4-Dichlorobenzene

Concen: 24.466 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

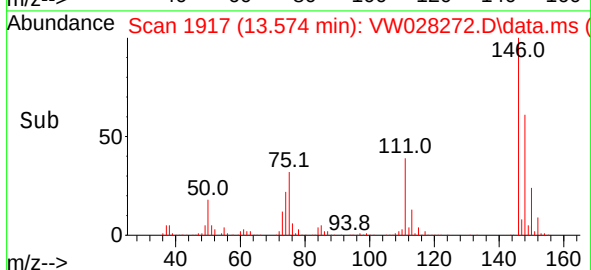
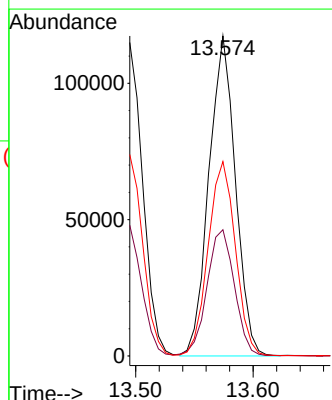
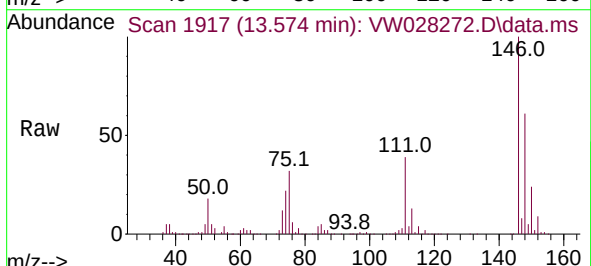
Tgt Ion:146 Resp: 184438

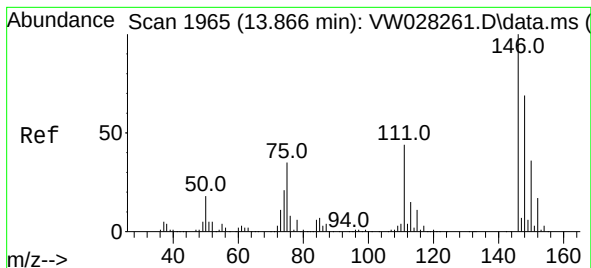
Ion Ratio Lower Upper

146 100

111 39.5 28.8 53.6

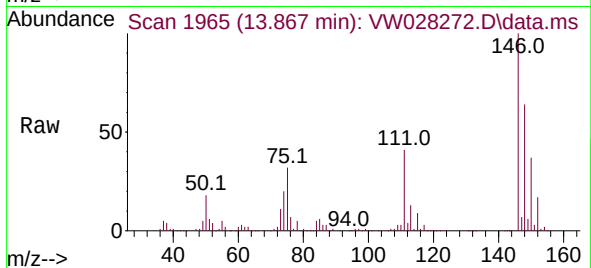
148 60.8 45.3 84.1



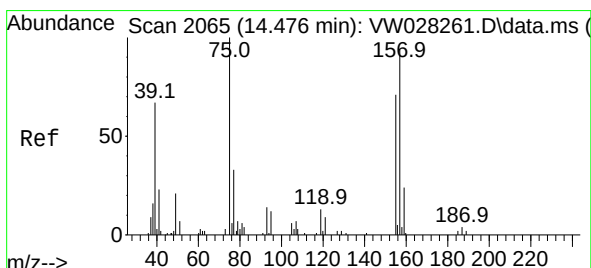
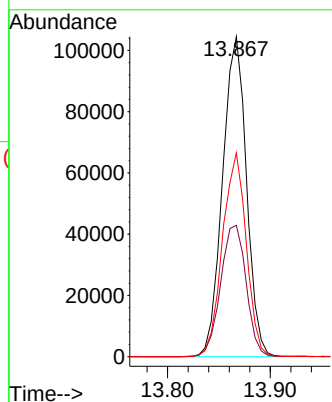
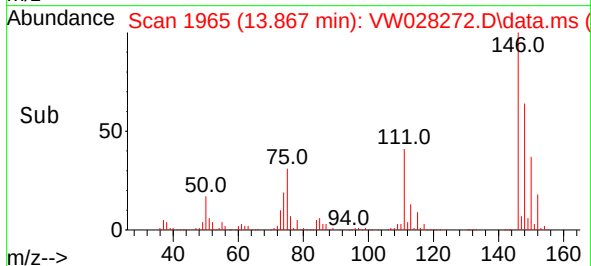


#67
1,2-Dichlorobenzene
Concen: 25.978 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04

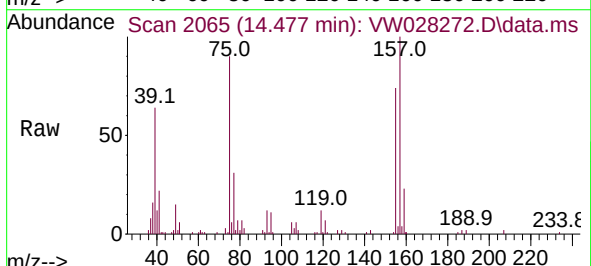
Instrument :
MSVOA_W
ClientSampleId :



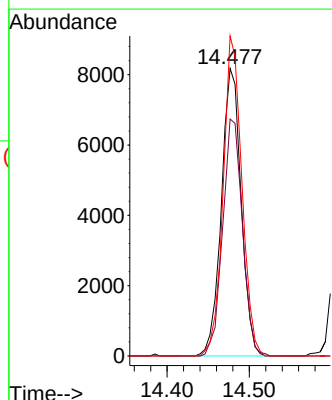
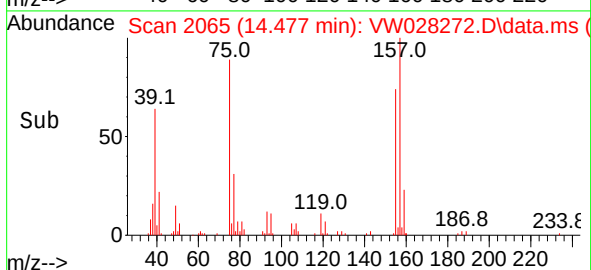
Tgt Ion:146 Resp: 168653
Ion Ratio Lower Upper
146 100
111 41.1 34.2 51.2
148 63.7 48.1 72.1

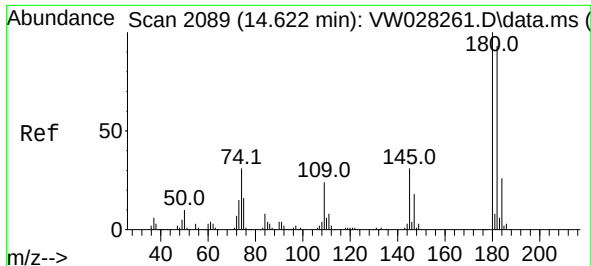


#68
1,2-Dibromo-3-chloropropane
Concen: 26.789 ug/L
RT: 14.477 min Scan# 2065
Delta R.T. 0.001 min
Lab File: VW028272.D
Acq: 28 Mar 2024 16:04



Tgt Ion: 75 Resp: 13660
Ion Ratio Lower Upper
75 100
155 82.5 61.1 91.7
157 111.3 74.2 111.4





#69

1,3,5-Trichlorobenzene

Concen: 25.642 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 134655

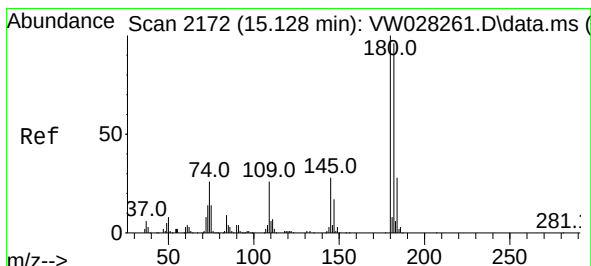
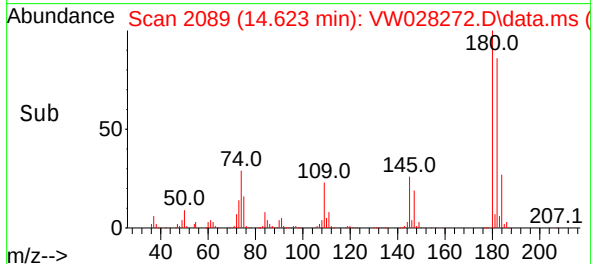
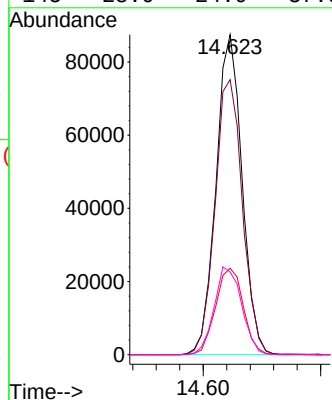
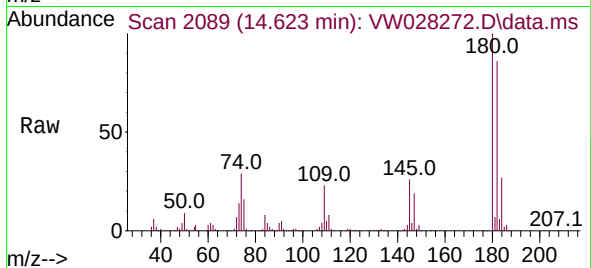
Ion Ratio Lower Upper

180 100

182 90.4 76.6 114.8

184 28.7 23.5 35.3

145 28.9 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 25.386 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

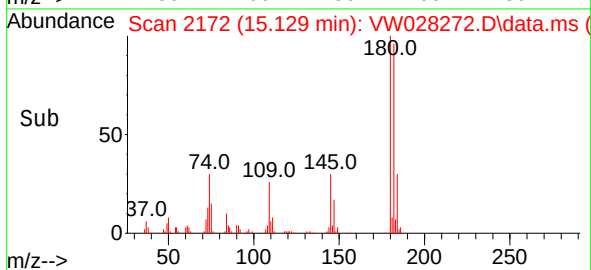
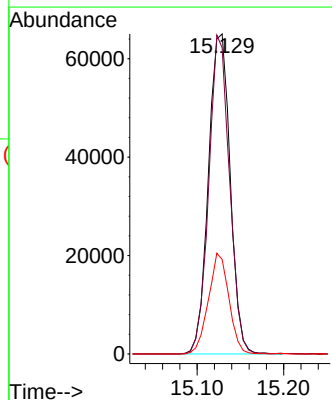
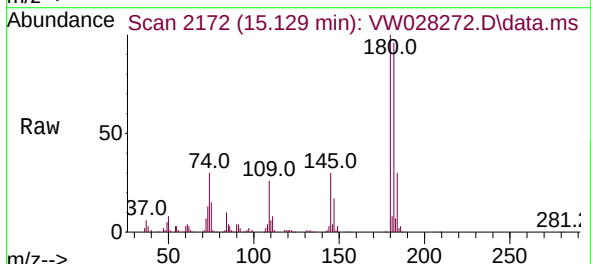
Tgt Ion:180 Resp: 113250

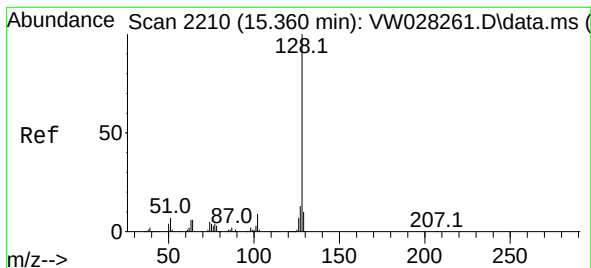
Ion Ratio Lower Upper

180 100

182 94.9 73.8 110.8

145 29.7 25.0 37.6





#71

Naphthalene

Concen: 30.086 ug/L

RT: 15.361 min Scan# 2210

Delta R.T. 0.001 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Instrument :

MSVOA_W

ClientSampleId :

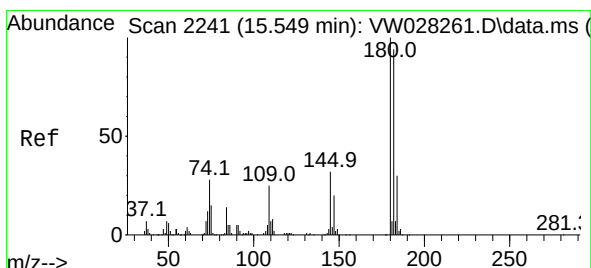
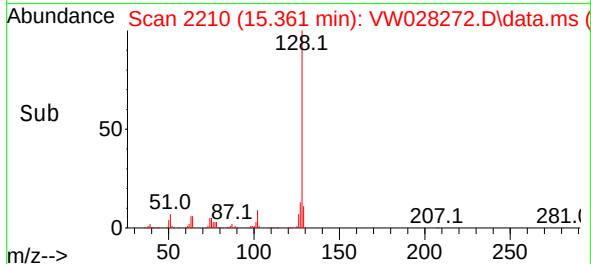
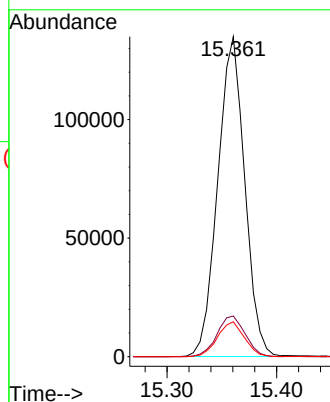
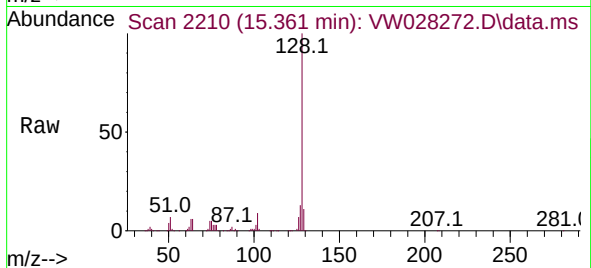
Tgt Ion:128 Resp: 230371

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

129 10.9 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 26.451 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW028272.D

Acq: 28 Mar 2024 16:04

Tgt Ion:180 Resp: 97278

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 34.2 27.1 40.7

