

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062123\
 Data File : VW026291.D
 Acq On : 21 Jun 2023 17:59
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025528

Quant Time: Jun 22 01:36:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 22 01:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	633454	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	568009	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	286615	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	154852	17.377	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.520%
7) Chloroethane-d5	2.893	69	156717	23.493	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.960%
11) 1,1-Dichloroethene-d2	4.021	65	83508	19.005	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.000%
21) 2-Butanone-d5	7.075	46	174464	67.246	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.500%
24) Chloroform-d	7.648	84	443676	23.918	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.680%
26) 1,2-Dichloroethane-d4	8.307	65	246187	24.271	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.080%
32) Benzene-d6	8.270	84	836280	21.880	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.520%
36) 1,2-Dichloropropane-d6	9.270	67	282590	23.338	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.360%
41) Toluene-d8	10.319	98	705819	20.823	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.280%
43) trans-1,3-Dichloroprop...	10.575	79	96674	20.148	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.600%
47) 2-Hexanone-d5	10.922	63	119470	62.573	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.140%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	254845	28.922	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.680%
66) 1,2-Dichlorobenzene-d4	13.848	152	239195	21.804	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	143500	18.480	ug/L	99
3) Chloromethane	2.222	50	229011	23.000	ug/L	97
5) Vinyl chloride	2.375	62	241938	22.732	ug/L	98
6) Bromomethane	2.783	94	137843	23.757	ug/L	100
8) Chloroethane	2.930	64	153107	26.621	ug/L	98
9) Trichlorofluoromethane	3.265	101	171541	25.053	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	205795	23.819	ug/L	98
12) 1,1-Dichloroethene	4.051	96	185241	22.968	ug/L #	73
13) Acetone	4.112	43	94074	46.862	ug/L	99
14) Carbon disulfide	4.387	76	569830	20.014	ug/L	100
15) Methyl Acetate	4.667	43	128340	28.485	ug/L	100
16) Methylene chloride	4.917	84	218843	21.645	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	211233	23.343	ug/L	92
18) Methyl tert-butyl Ether	5.423	73	340372	23.866	ug/L	99
19) 1,1-Dichloroethane	6.216	63	457134	24.814	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	232299	24.235	ug/L	94
22) 2-Butanone	7.167	43	165543	57.809	ug/L	98
23) Bromochloromethane	7.514	128	99247	24.279	ug/L	95
25) Chloroform	7.673	83	424828	24.759	ug/L	99

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 Response via : Initial Calibration

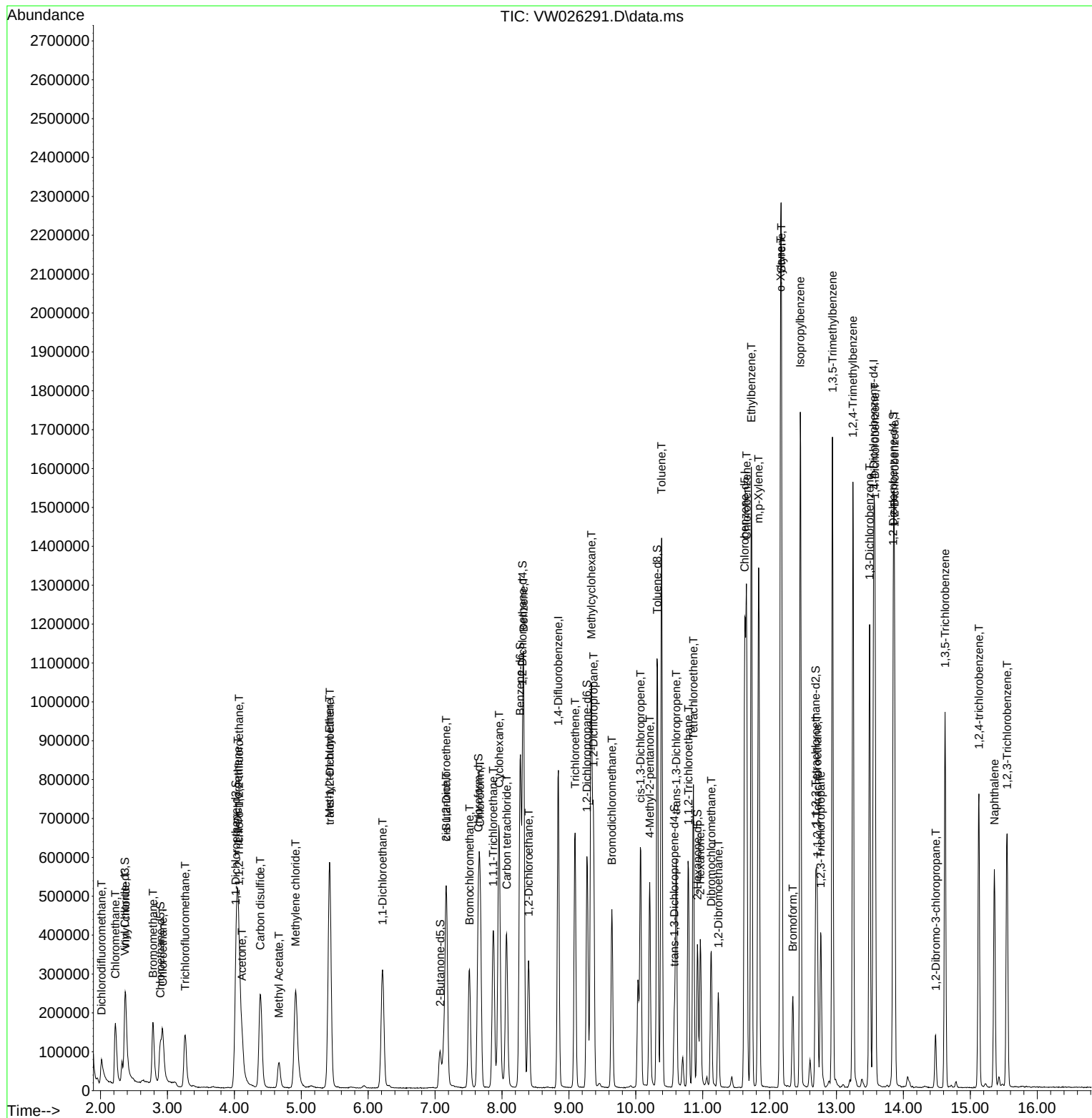
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	295546	24.974	ug/L	100
29) Cyclohexane	7.959	56	386713	22.052	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	331402	24.042	ug/L	98
31) Carbon tetrachloride	8.069	117	299183	23.785	ug/L	99
33) Benzene	8.325	78	931740	23.946	ug/L	100
34) Trichloroethene	9.093	95	231506	23.235	ug/L	97
35) Methylcyclohexane	9.337	83	389780	22.108	ug/L	99
37) 1,2-Dichloropropane	9.368	63	260575	24.725	ug/L	100
38) Bromodichloromethane	9.642	83	298056	24.343	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	355555	22.957	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	362229	58.297	ug/L	100
42) Toluene	10.386	91	975710	24.516	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	305322	23.663	ug/L	96
45) 1,1,2-Trichloroethane	10.788	97	175445	25.259	ug/L	98
46) Tetrachloroethene	10.861	164	155846	22.114	ug/L	93
48) 2-Hexanone	10.965	43	256425	58.530	ug/L	97
49) Dibromochloromethane	11.129	129	176238	24.200	ug/L	90
50) 1,2-Dibromoethane	11.233	107	161322	25.084	ug/L	99
51) Chlorobenzene	11.654	112	597248	23.948	ug/L	98
52) Ethylbenzene	11.727	91	1084161	24.149	ug/L	98
53) m,p-Xylene	11.837	106	404928	24.245	ug/L	99
54) o-Xylene	12.166	106	378788	24.029	ug/L	95
55) Styrene	12.178	104	666686	24.652	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	225567	26.834	ug/L	97
59) Bromoform	12.349	173	101420	23.559	ug/L	97
60) Isopropylbenzene	12.458	105	1070509	23.776	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	164891	25.684	ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	832787	23.267	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	775784	23.664	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	436270	23.045	ug/L	100
65) 1,4-Dichlorobenzene	13.574	146	445573	23.378	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	392988	23.117	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.482	75	36726	24.691	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	265079	20.384	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	216885	20.212	ug/L	97
71) Naphthalene	15.360	128	454076	23.742	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	205822	21.947	ug/L	99

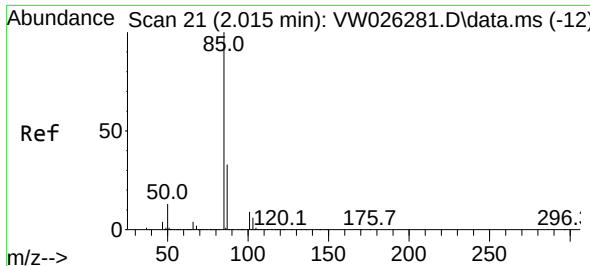
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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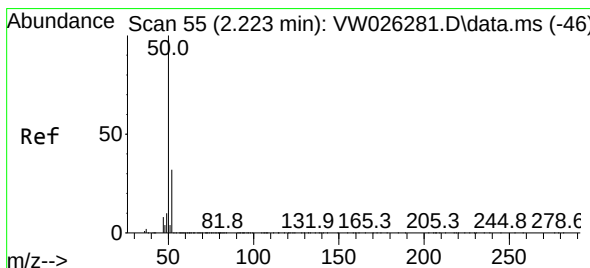
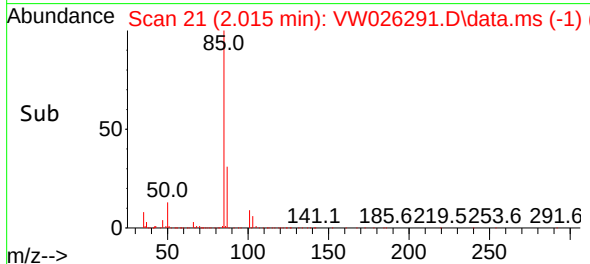
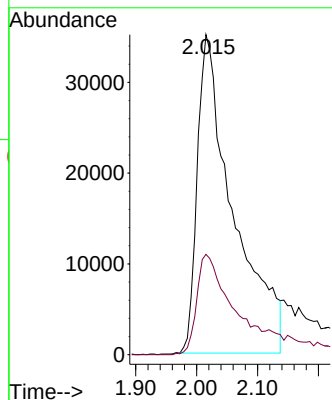
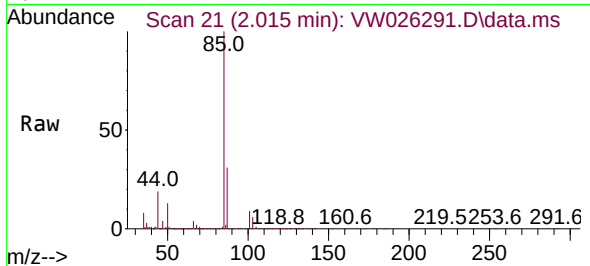




#2
 Dichlorodifluoromethane
 Concen: 18.480 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW026291.D
 Acq: 21 Jun 2023 17:59

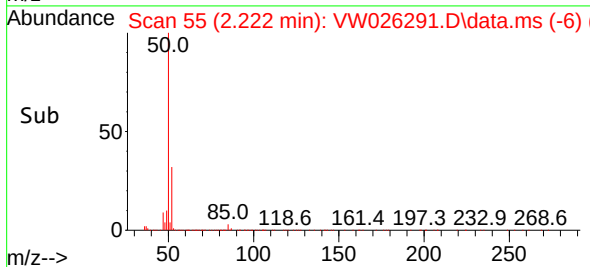
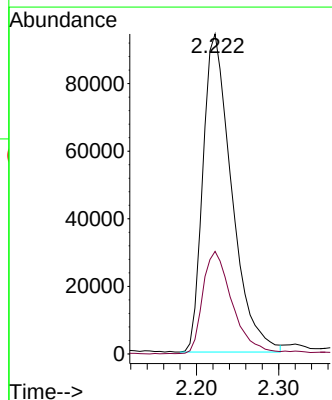
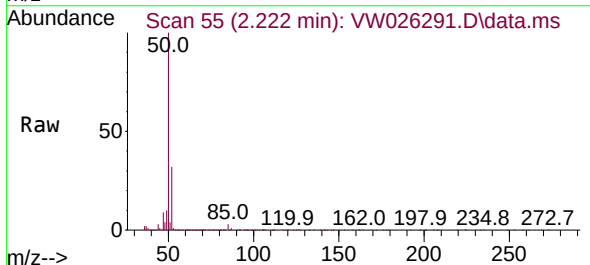
Instrument :
 MSVOA_W
 ClientSampleId :
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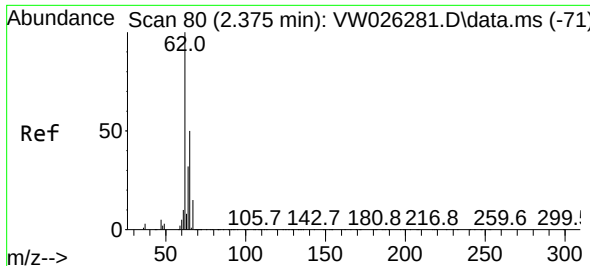
Tgt Ion: 85 Resp: 143500
 Ion Ratio Lower Upper
 85 100
 87 28.3 22.2 33.2



#3
 Chloromethane
 Concen: 23.000 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW026291.D
 Acq: 21 Jun 2023 17:59

Tgt Ion: 50 Resp: 229011
 Ion Ratio Lower Upper
 50 100
 52 32.1 21.3 39.6

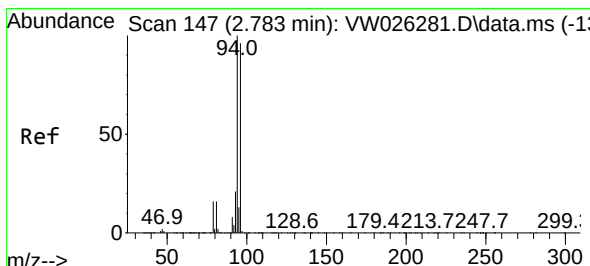
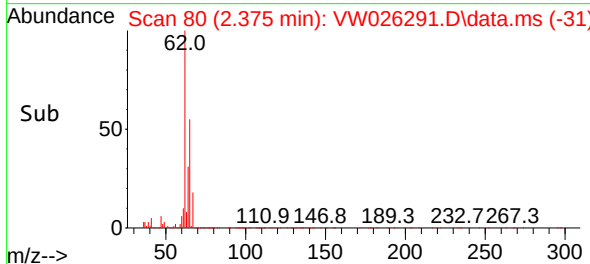
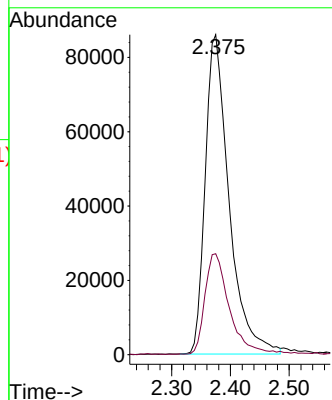
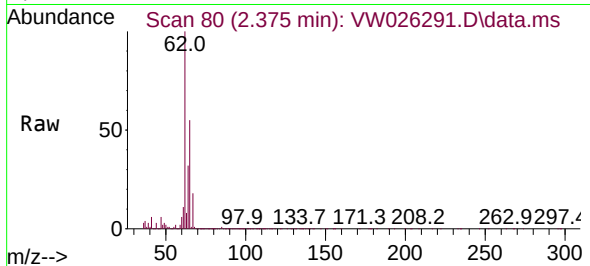




#5
 Vinyl chloride
 Concen: 22.732 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW026291.D
 Acq: 21 Jun 2023 17:59

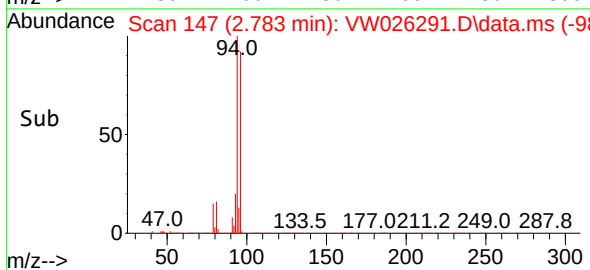
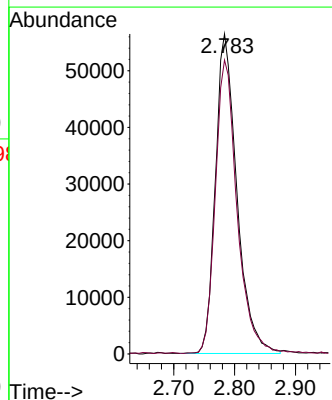
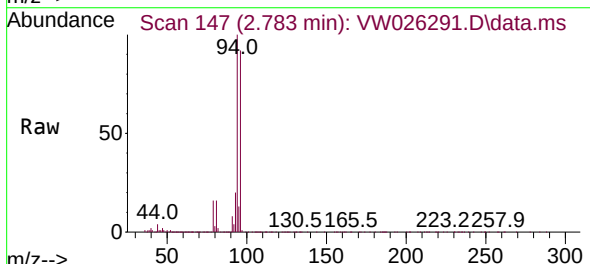
Instrument :
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 ClientSampleId :
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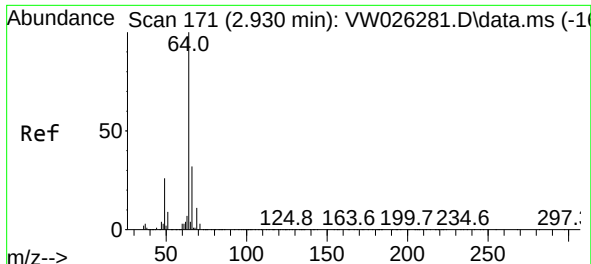
Tgt Ion: 62 Resp: 241938
 Ion Ratio Lower Upper
 62 100
 64 31.5 22.7 42.1



#6
 Bromomethane
 Concen: 23.757 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.000 min
 Lab File: VW026291.D
 Acq: 21 Jun 2023 17:59

Tgt Ion: 94 Resp: 137843
 Ion Ratio Lower Upper
 94 100
 96 91.8 64.2 119.2

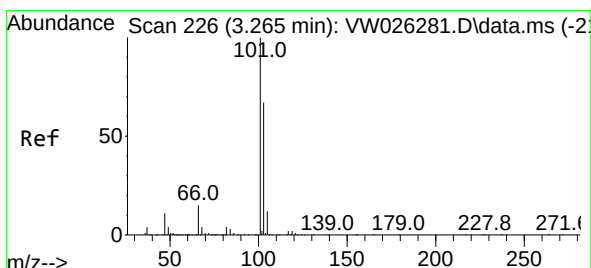
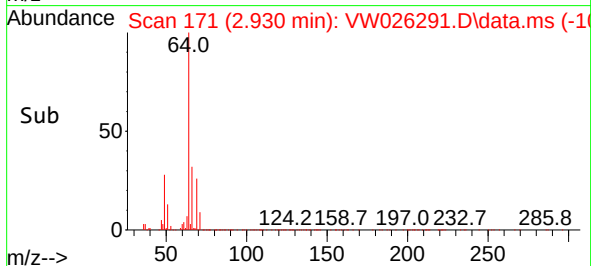
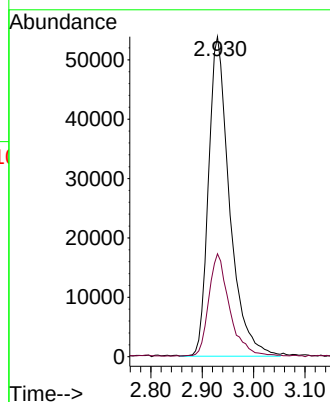
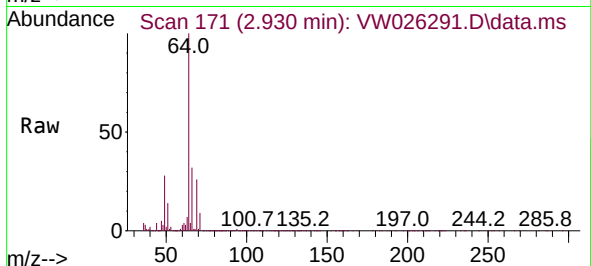




#8
Chloroethane
Concen: 26.621 ug/L
RT: 2.930 min Scan# 171
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

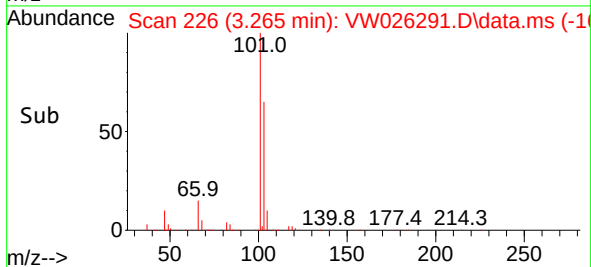
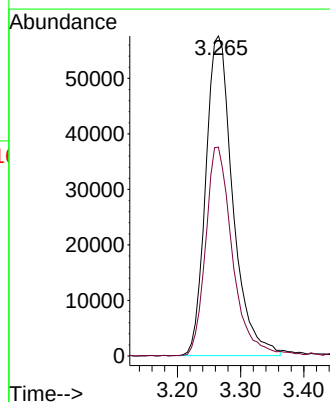
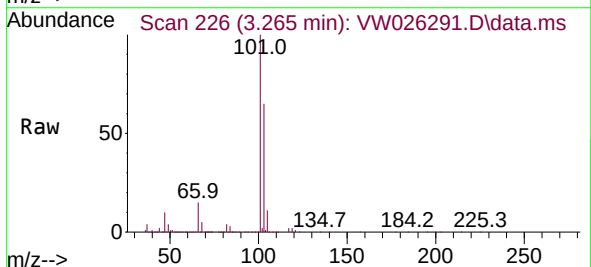
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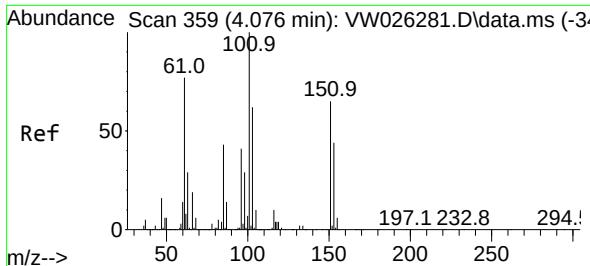
Tgt Ion: 64 Resp: 153107
Ion Ratio Lower Upper
64 100
66 32.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 25.053 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion:101 Resp: 171541
Ion Ratio Lower Upper
101 100
103 64.8 51.6 77.4

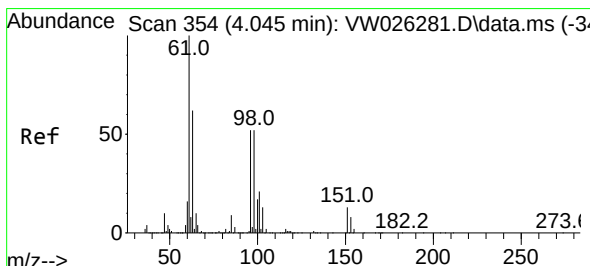
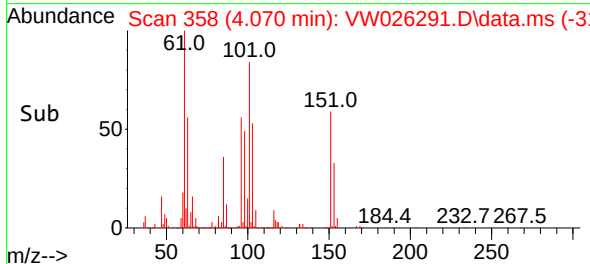
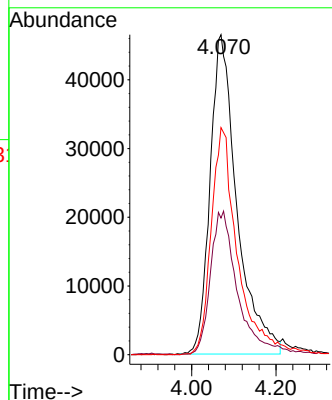
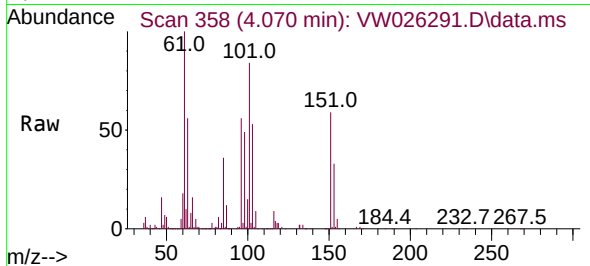




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.819 ug/L
 RT: 4.070 min Scan# 359
 Delta R.T. -0.006 min
 Lab File: VW026291.D
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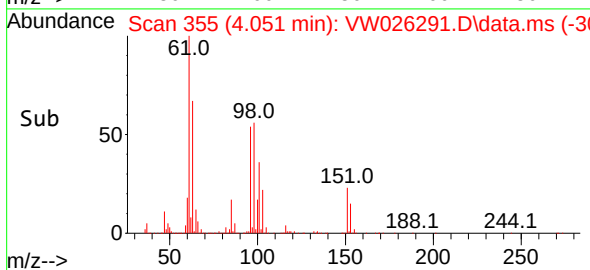
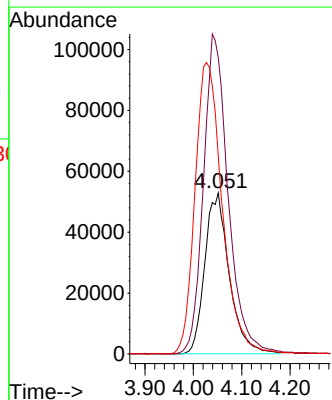
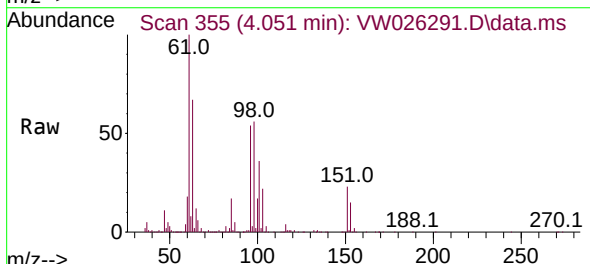
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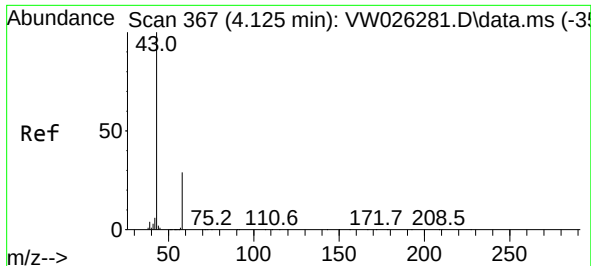
Tgt Ion:101 Resp: 205795
 Ion Ratio Lower Upper
 101 100
 85 44.5 36.1 54.1
 151 67.3 55.1 82.7



#12
 1,1-Dichloroethene
 Concen: 22.968 ug/L
 RT: 4.051 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW026291.D
 Acq: 21 Jun 2023 17:59

Tgt Ion: 96 Resp: 185241
 Ion Ratio Lower Upper
 96 100
 61 184.1 140.6 261.0
 63 122.9 131.7 244.5#





#13

Acetone

Concen: 46.862 ug/L

RT: 4.112 min Scan# 3

Delta R.T. -0.012 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

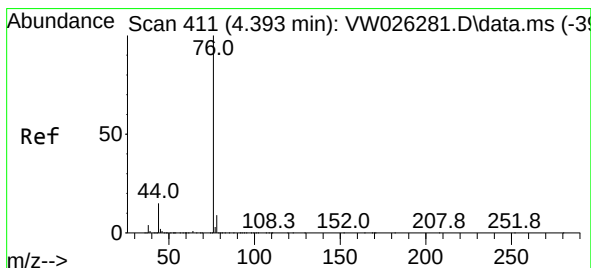
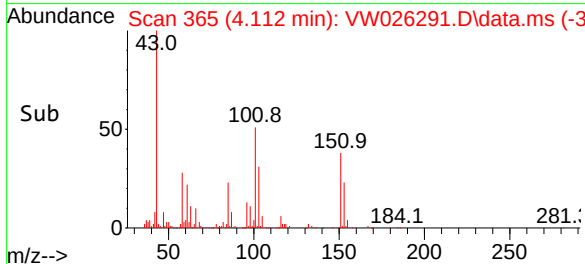
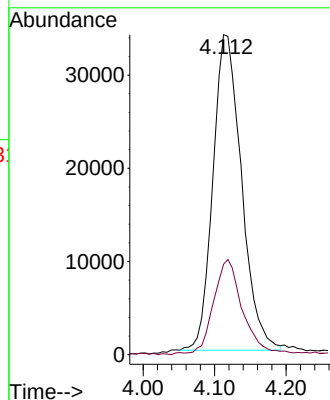
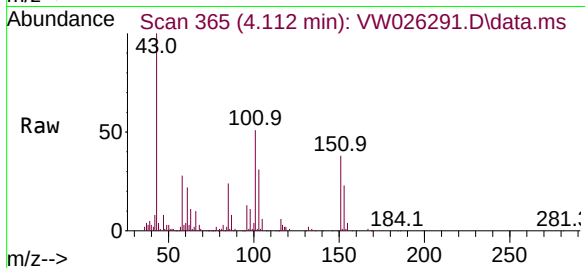
VSTD025528

Tgt Ion: 43 Resp: 94074

Ion Ratio Lower Upper

43 100

58 29.8 0.0 58.2



#14

Carbon disulfide

Concen: 20.014 ug/L

RT: 4.387 min Scan# 410

Delta R.T. -0.006 min

Lab File: VW026291.D

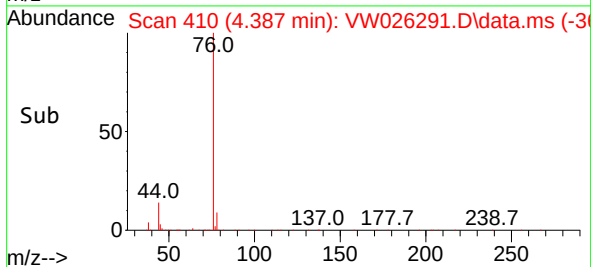
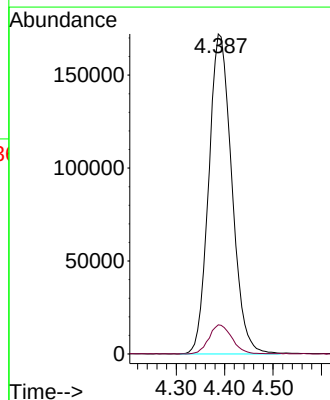
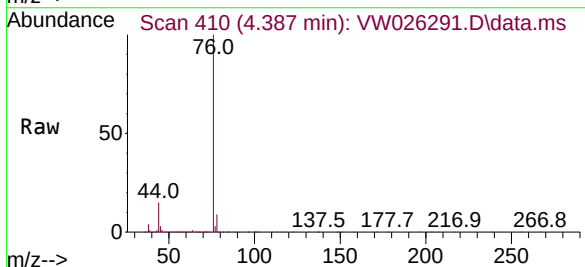
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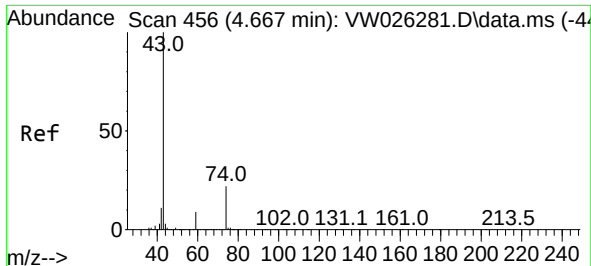
Tgt Ion: 76 Resp: 569830

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

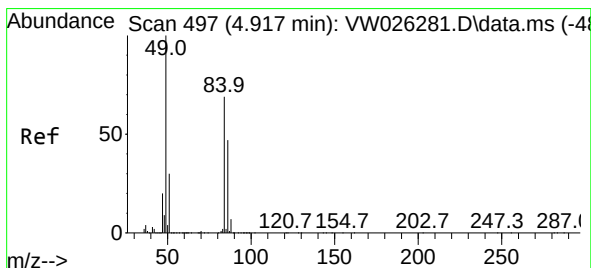
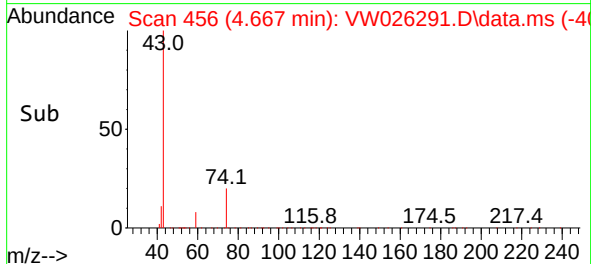
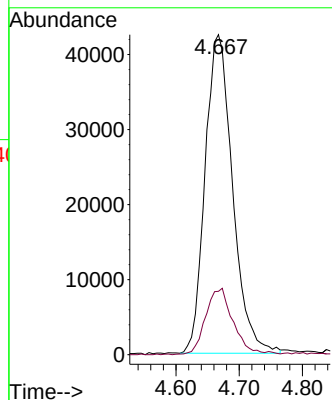
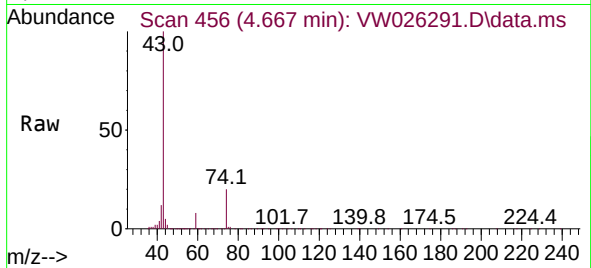




#15
Methyl Acetate
Concen: 28.485 ug/L
RT: 4.667 min Scan# 456
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

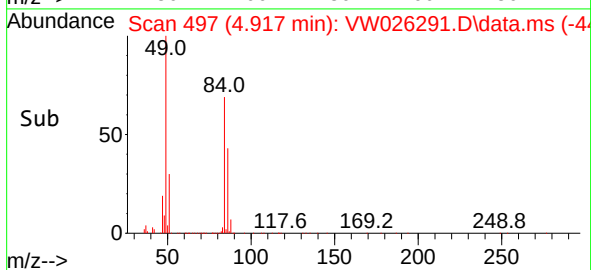
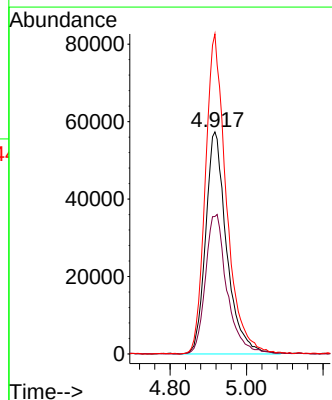
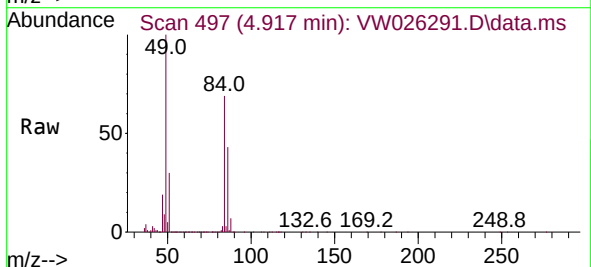
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

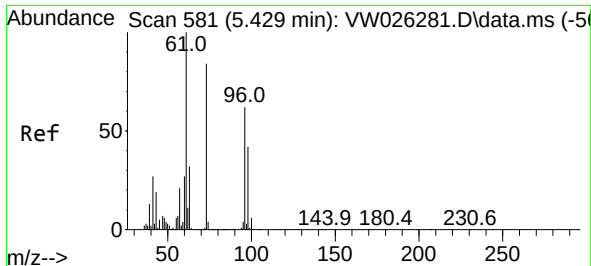
Tgt Ion: 43 Resp: 128340
Ion Ratio Lower Upper
43 100
74 20.7 16.6 25.0



#16
Methylene chloride
Concen: 21.645 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion: 84 Resp: 218843
Ion Ratio Lower Upper
84 100
86 61.9 44.2 82.0
49 144.1 98.8 183.6

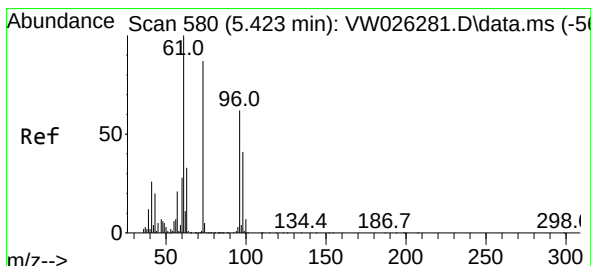
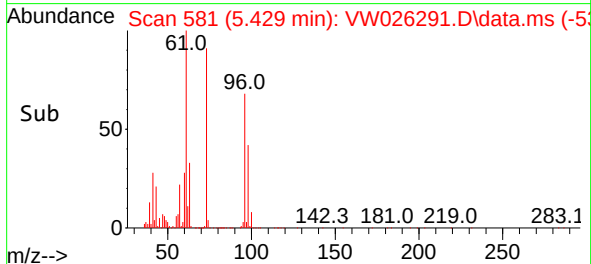
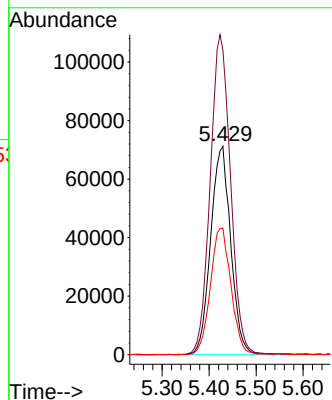
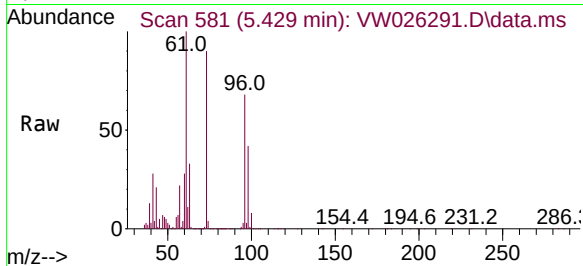




#17
trans-1,2-Dichloroethene
Concen: 23.343 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

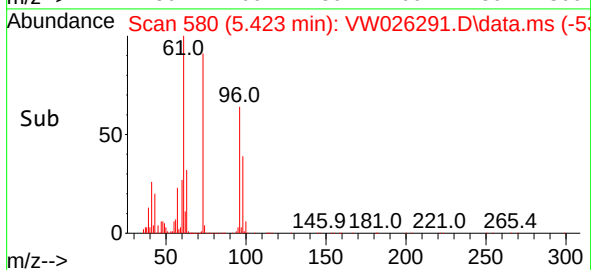
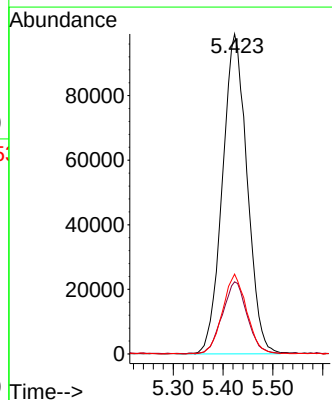
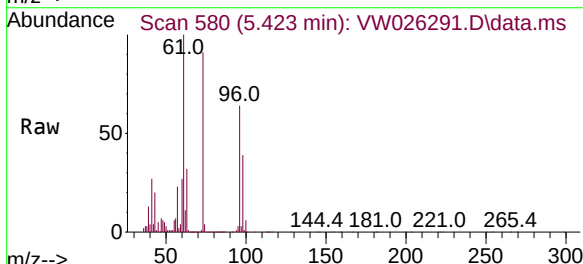
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

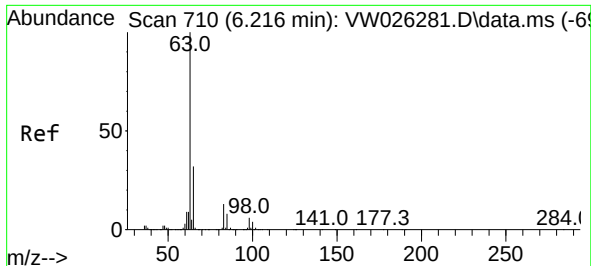
Tgt Ion: 96 Resp: 211233
Ion Ratio Lower Upper
96 100
61 146.1 113.0 209.8
98 60.8 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 23.866 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion: 73 Resp: 340372
Ion Ratio Lower Upper
73 100
43 22.8 17.8 26.6
57 24.4 18.9 28.3





#19

1,1-Dichloroethane

Concen: 24.814 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

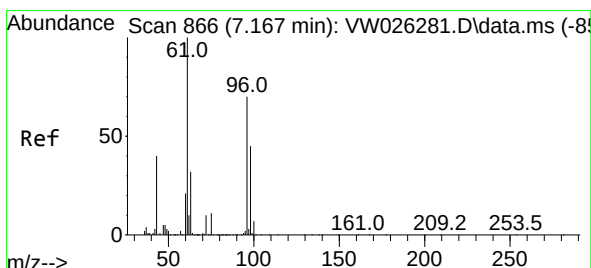
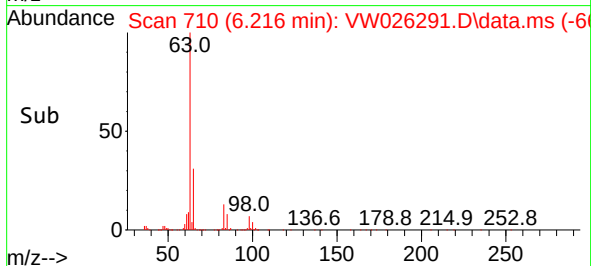
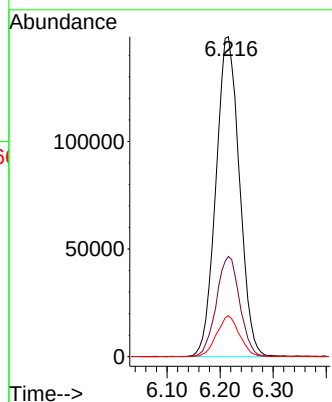
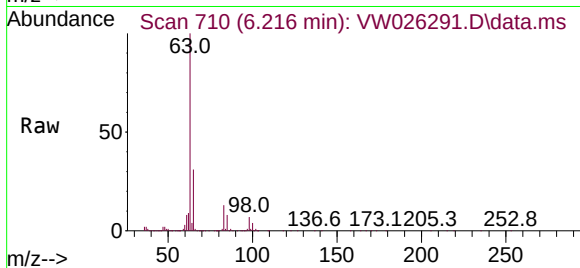
Tgt Ion: 63 Resp: 457134

Ion Ratio Lower Upper

63 100

65 31.3 22.3 41.5

83 12.8 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 24.235 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

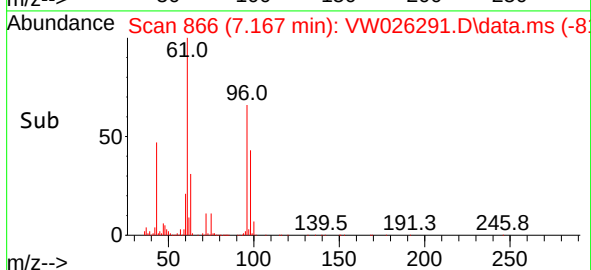
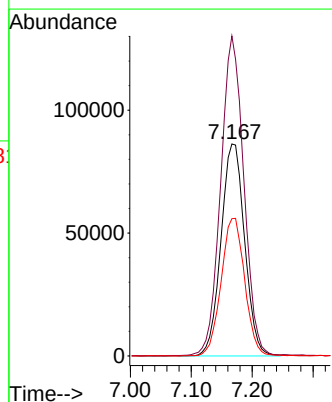
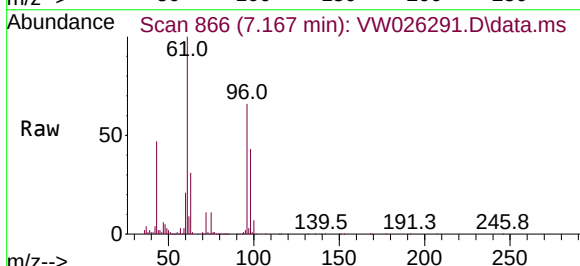
Tgt Ion: 96 Resp: 232299

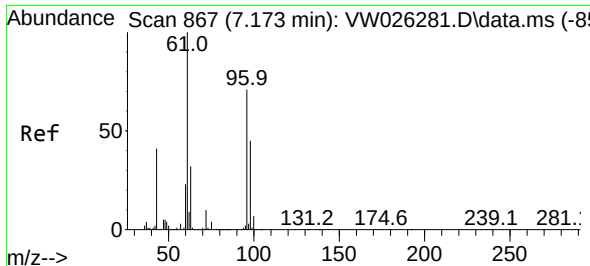
Ion Ratio Lower Upper

96 100

61 151.0 98.4 182.8

98 64.8 45.2 84.0

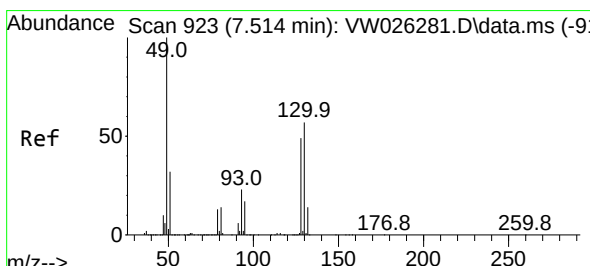
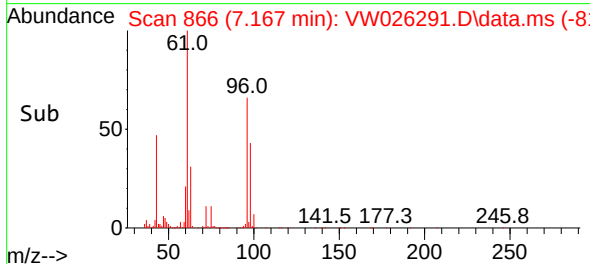
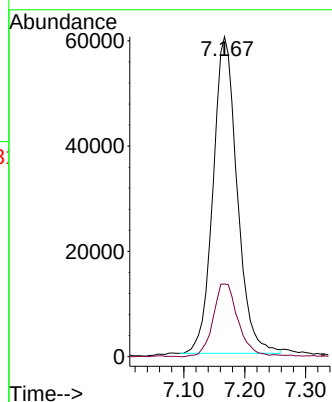
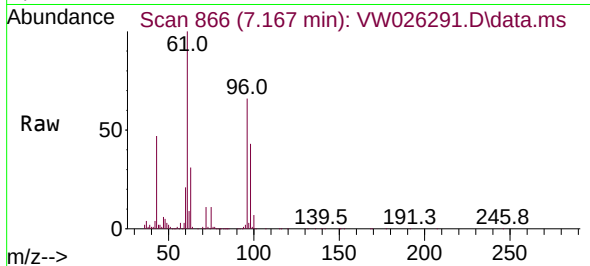




#22
2-Butanone
Concen: 57.809 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

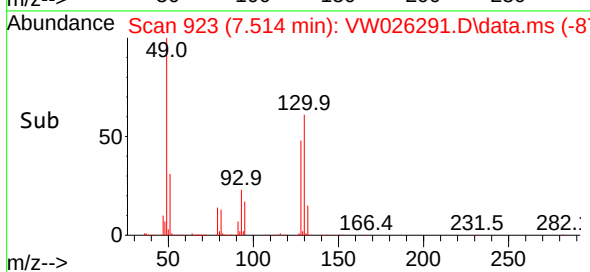
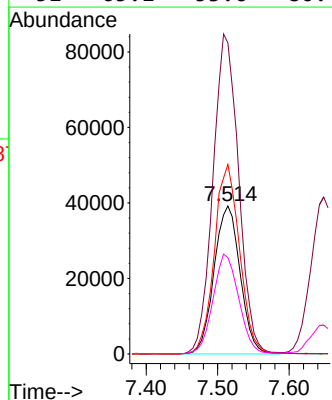
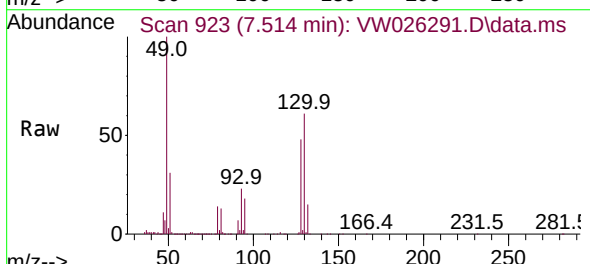
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

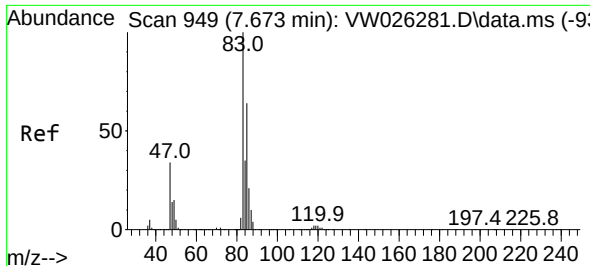
Tgt Ion: 43 Resp: 165543
Ion Ratio Lower Upper
43 100
72 23.8 12.4 37.4



#23
Bromochloromethane
Concen: 24.279 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion: 128 Resp: 99247
Ion Ratio Lower Upper
128 100
49 210.2 140.6 261.0
130 128.1 86.0 159.6
51 65.1 53.6 80.4

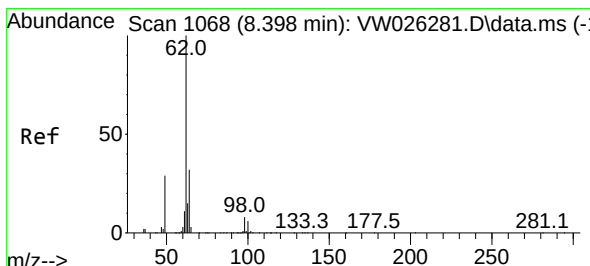
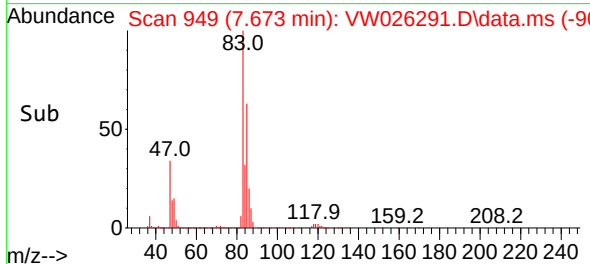
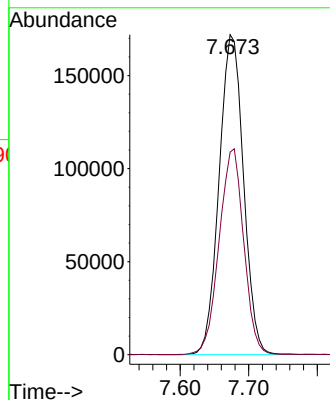
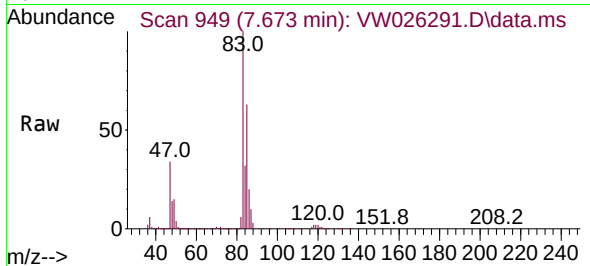




#25
Chloroform
Concen: 24.759 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

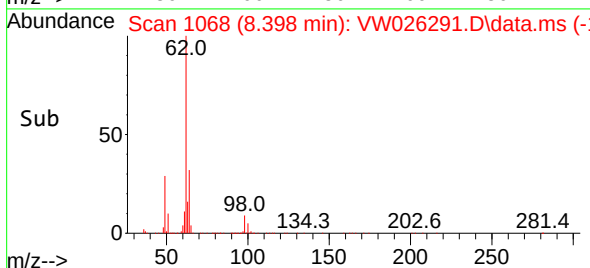
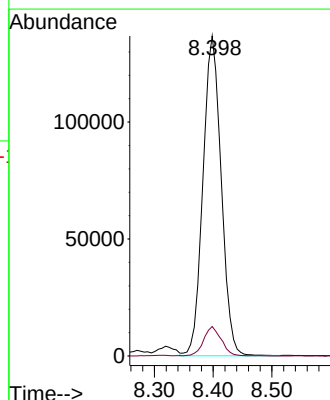
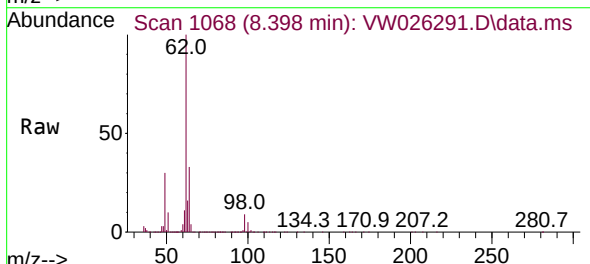
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

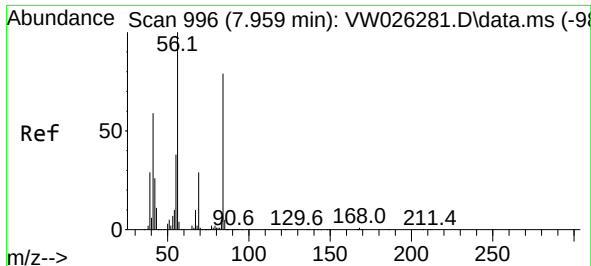
Tgt Ion: 83 Resp: 424828
Ion Ratio Lower Upper
83 100
85 63.3 45.1 83.7



#27
1,2-Dichloroethane
Concen: 24.974 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion: 62 Resp: 295546
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2

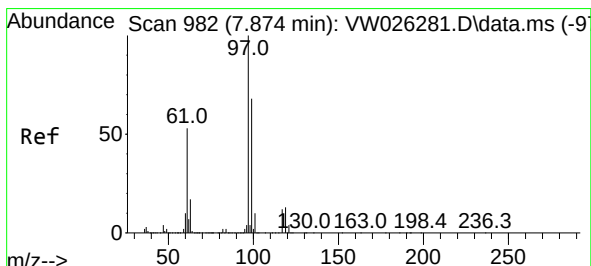
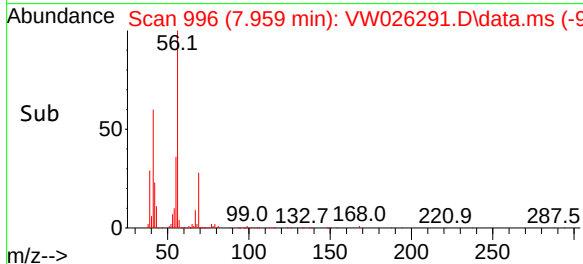
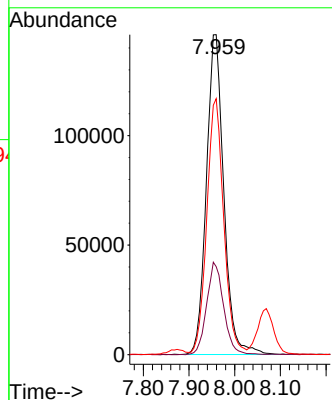
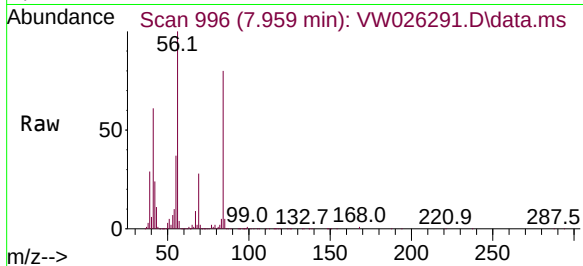




#29
Cyclohexane
Concen: 22.052 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

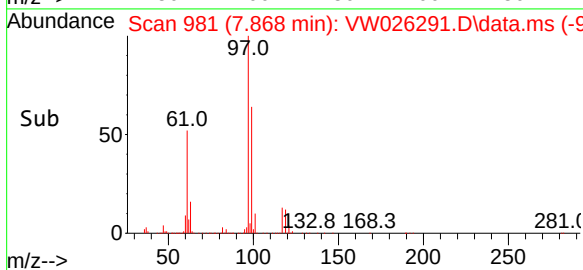
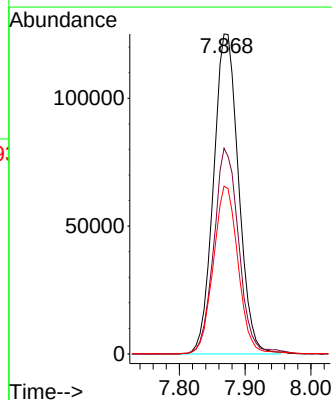
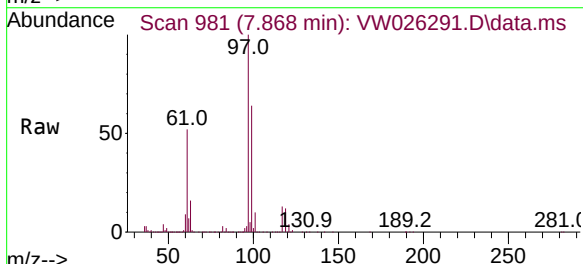
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

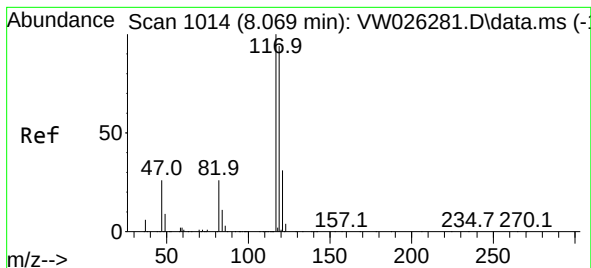
Tgt Ion: 56 Resp: 386713
Ion Ratio Lower Upper
56 100
69 28.1 23.3 34.9
84 78.0 63.0 94.6



#30
1,1,1-Trichloroethane
Concen: 24.042 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion: 97 Resp: 331402
Ion Ratio Lower Upper
97 100
99 64.3 50.6 76.0
61 52.1 40.5 60.7





#31

Carbon tetrachloride

Concen: 23.785 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

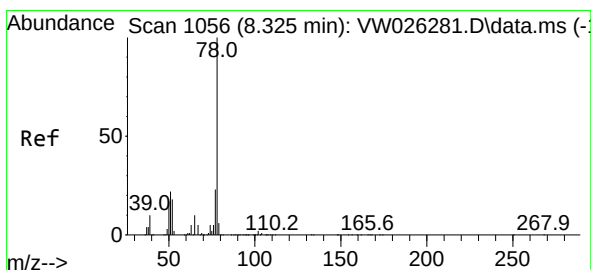
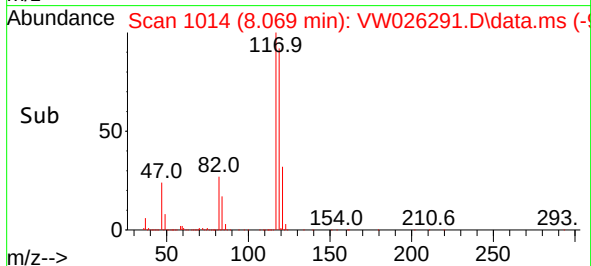
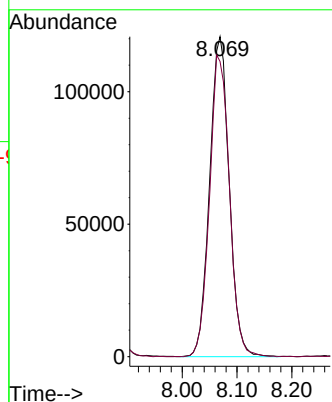
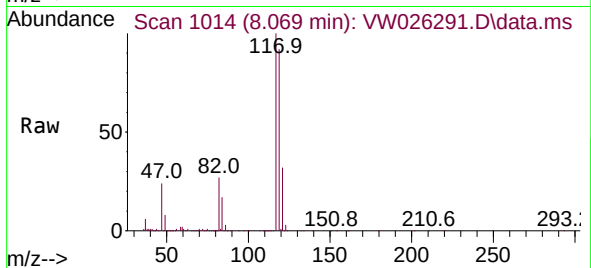
VSTD025528

Tgt Ion:117 Resp: 299183

Ion Ratio Lower Upper

117 100

119 95.8 77.4 116.2



#33

Benzene

Concen: 23.946 ug/L

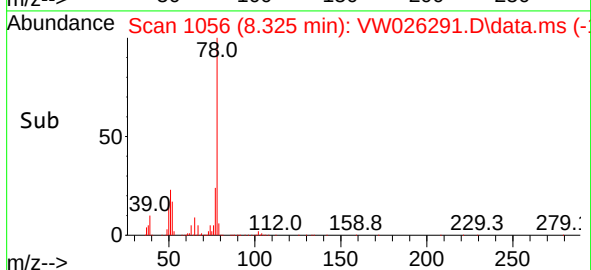
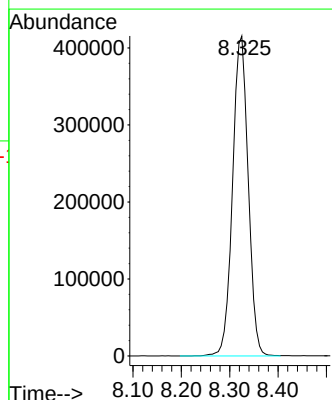
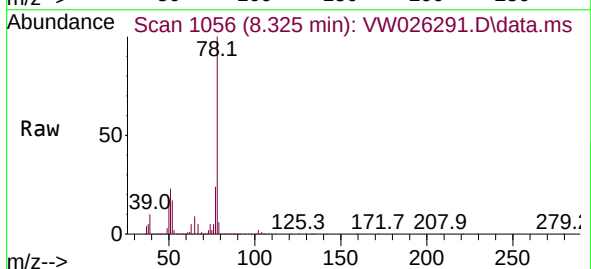
RT: 8.325 min Scan# 1056

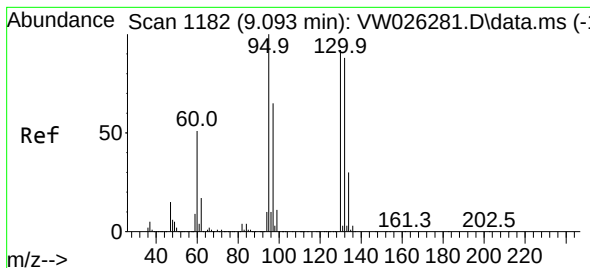
Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Tgt Ion: 78 Resp: 931740





#34

Trichloroethene

Concen: 23.235 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

Tgt Ion: 95 Resp: 231506

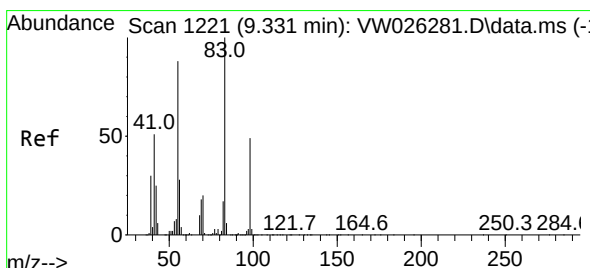
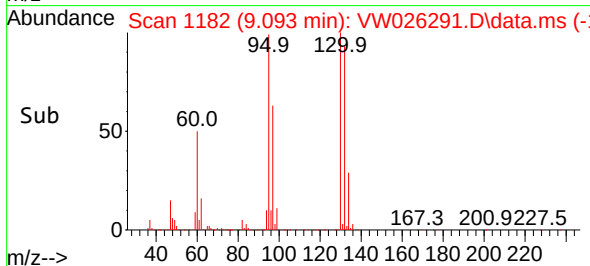
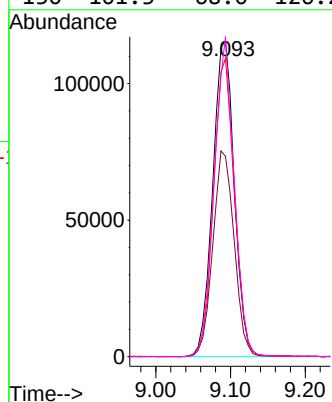
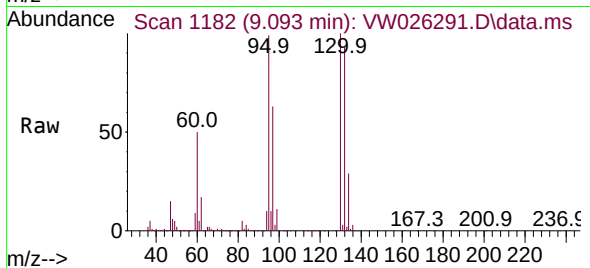
Ion Ratio Lower Upper

95 100

97 63.5 45.9 85.3

132 94.4 67.1 124.7

130 101.3 68.0 126.2



#35

Methylcyclohexane

Concen: 22.108 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

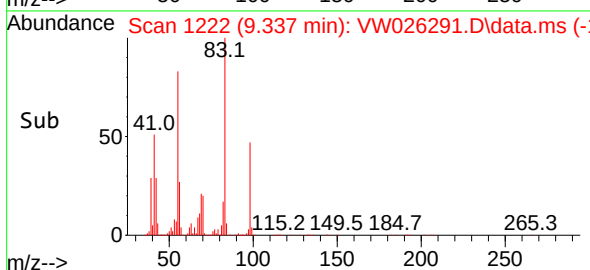
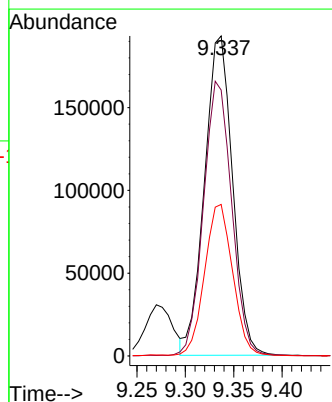
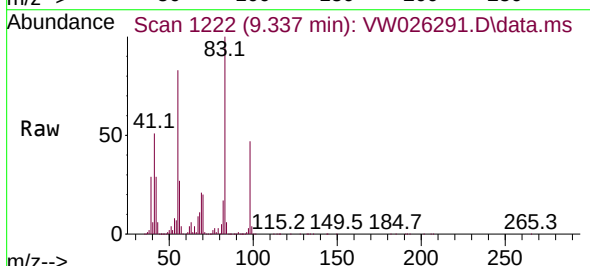
Tgt Ion: 83 Resp: 389780

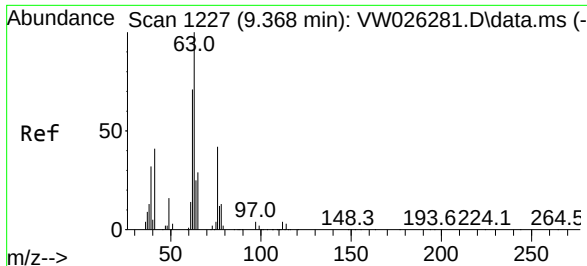
Ion Ratio Lower Upper

83 100

55 86.4 68.2 102.4

98 47.7 38.1 57.1

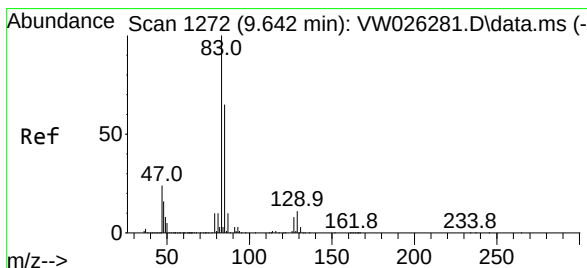
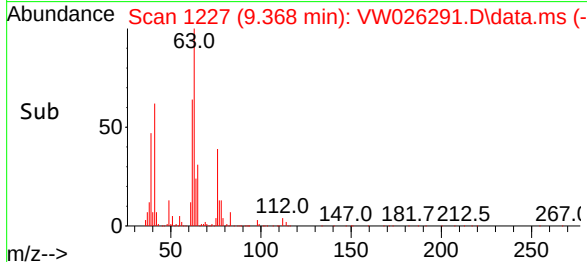
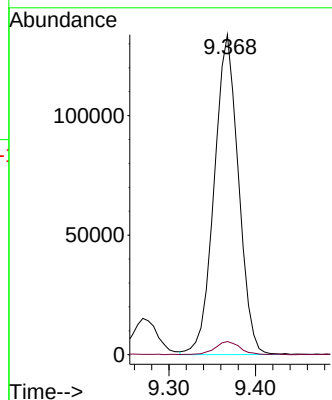
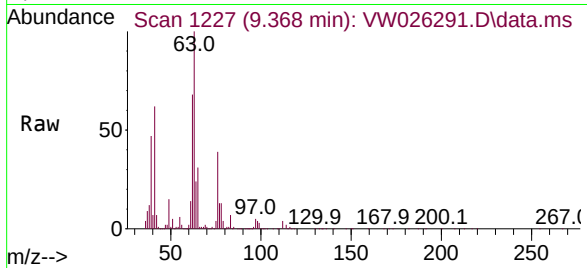




#37
1,2-Dichloropropane
Concen: 24.725 ug/L
RT: 9.368 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

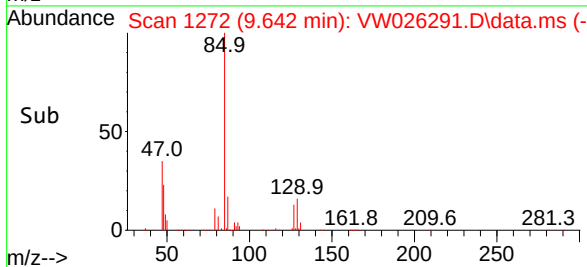
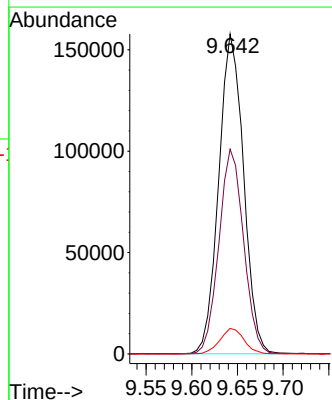
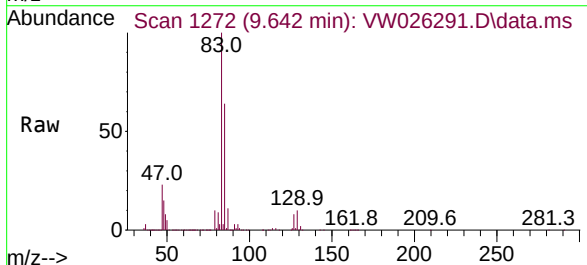
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

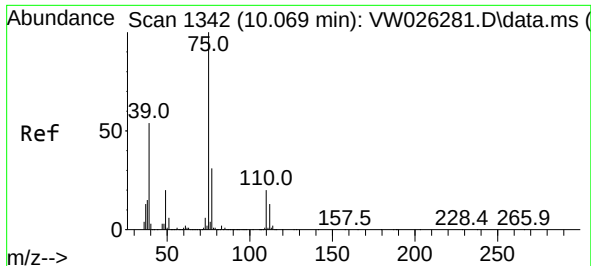
Tgt Ion: 63 Resp: 260575
Ion Ratio Lower Upper
63 100
112 4.1 3.3 4.9



#38
Bromodichloromethane
Concen: 24.343 ug/L
RT: 9.642 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion: 83 Resp: 298056
Ion Ratio Lower Upper
83 100
85 64.0 44.2 82.0
127 8.0 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 22.957 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

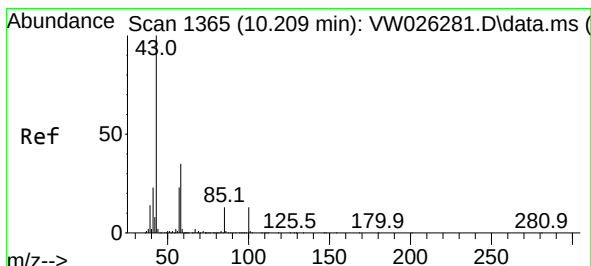
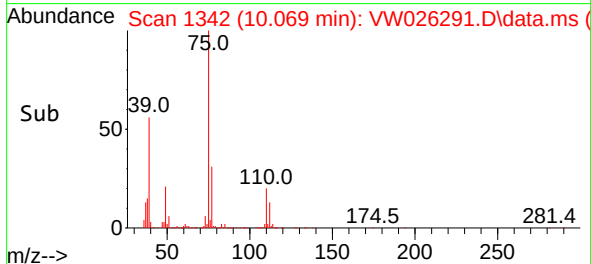
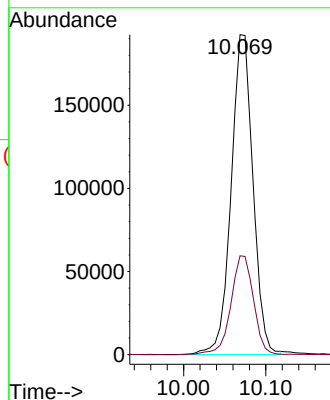
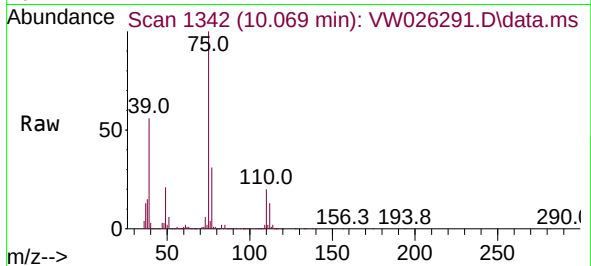
VSTD025528

Tgt Ion: 75 Resp: 355555

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 58.297 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

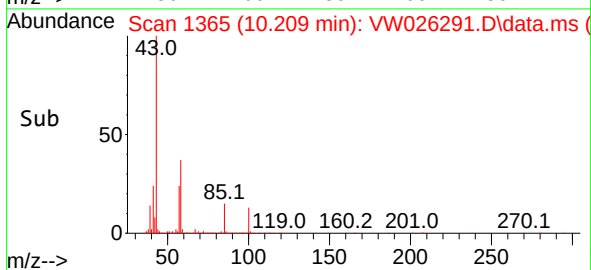
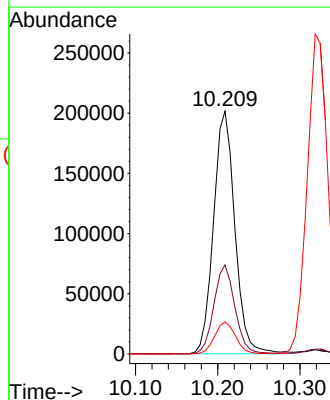
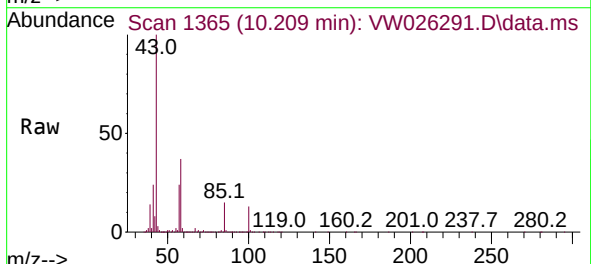
Tgt Ion: 43 Resp: 362229

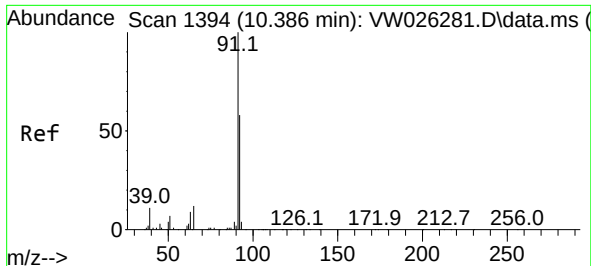
Ion Ratio Lower Upper

43 100

58 36.1 29.0 43.4

100 13.1 10.5 15.7

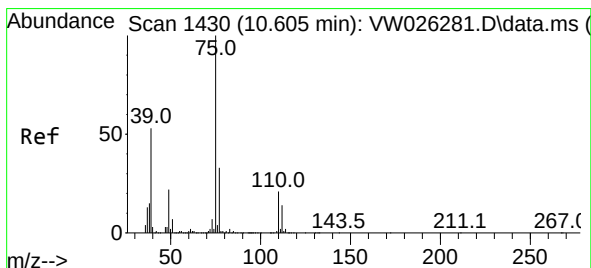
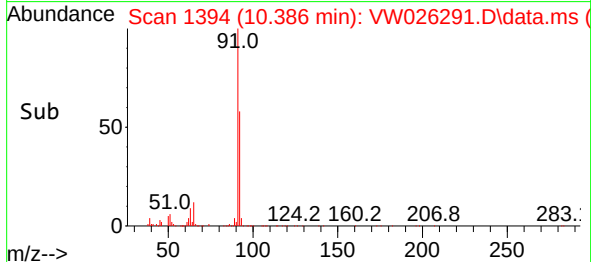
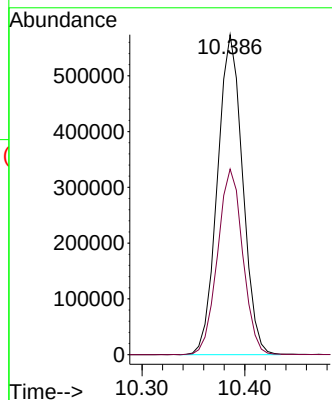
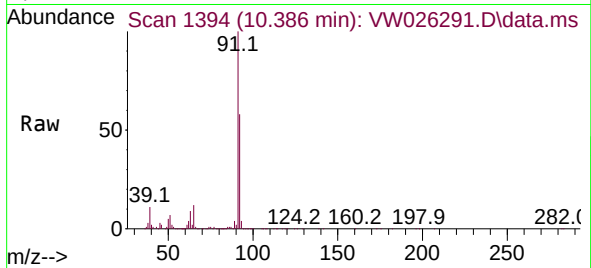




#42
Toluene
Concen: 24.516 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

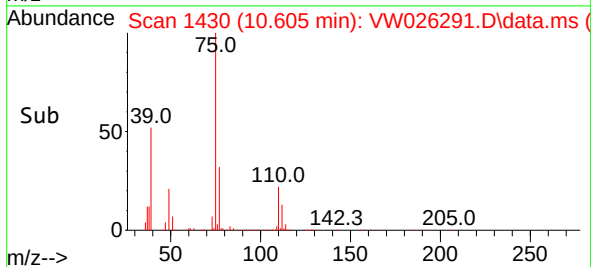
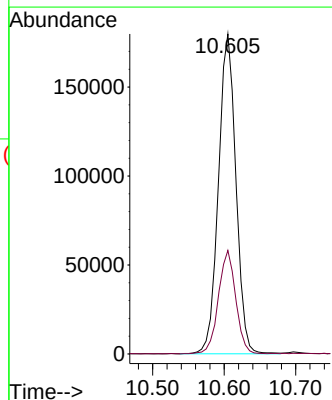
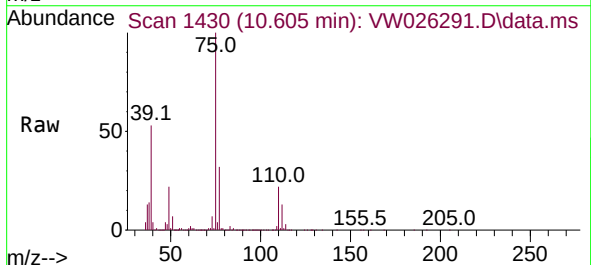
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

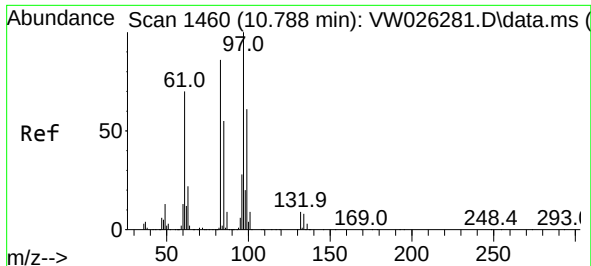
Tgt Ion: 91 Resp: 975710
Ion Ratio Lower Upper
91 100
92 58.0 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 23.663 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion: 75 Resp: 305322
Ion Ratio Lower Upper
75 100
77 32.4 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 25.259 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

Tgt Ion: 97 Resp: 175445

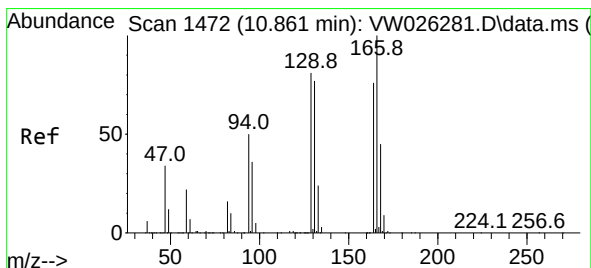
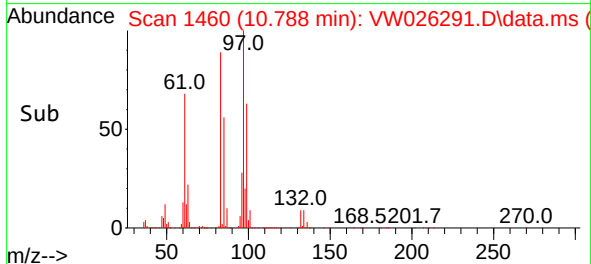
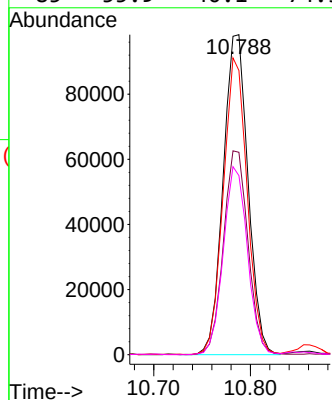
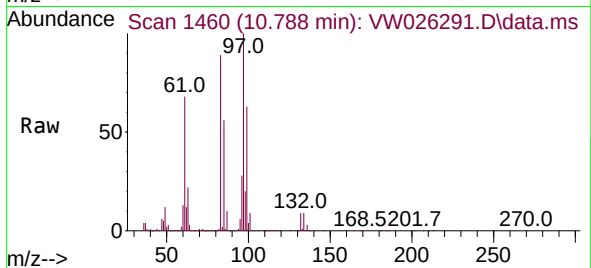
Ion Ratio Lower Upper

97 100

99 63.3 43.3 80.5

83 88.8 62.9 116.9

85 55.9 40.1 74.5



#46

Tetrachloroethene

Concen: 22.114 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Tgt Ion:164 Resp: 155846

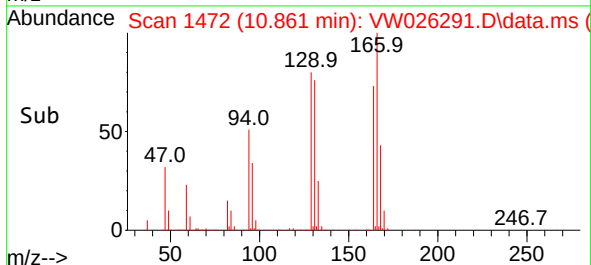
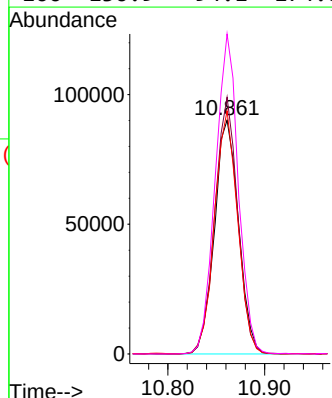
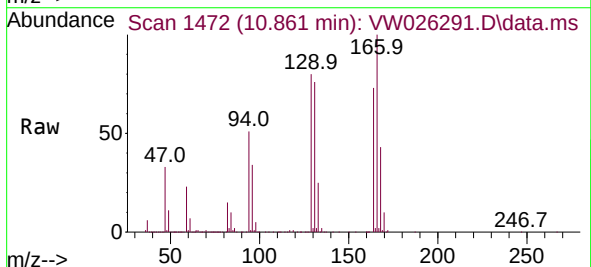
Ion Ratio Lower Upper

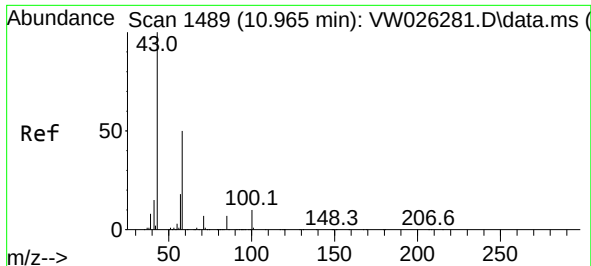
164 100

129 109.9 68.5 127.1

131 104.0 67.1 124.7

166 136.9 94.1 174.8

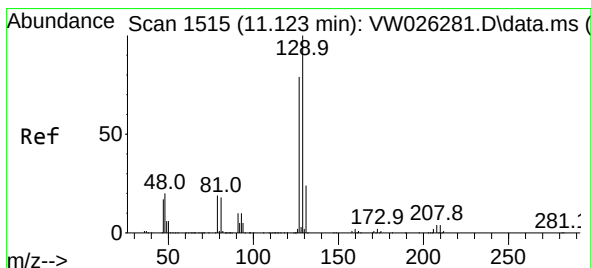
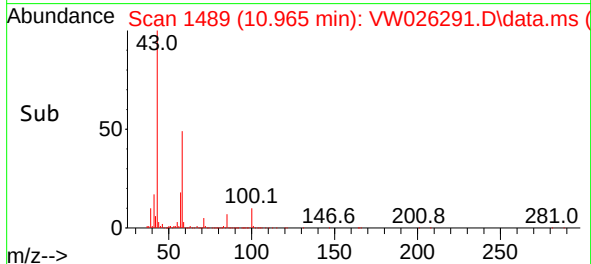
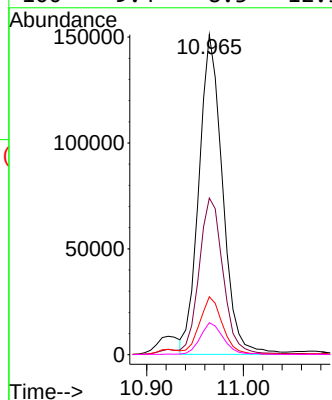
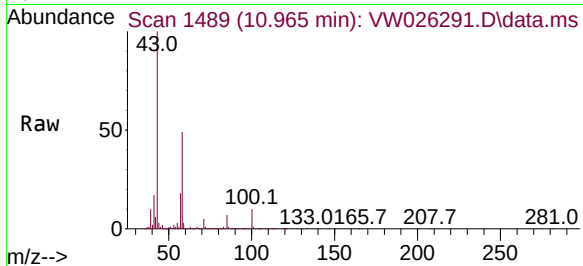




#48
2-Hexanone
Concen: 58.530 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

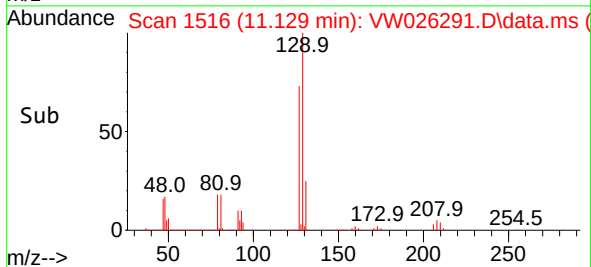
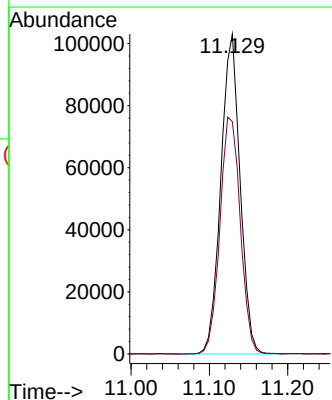
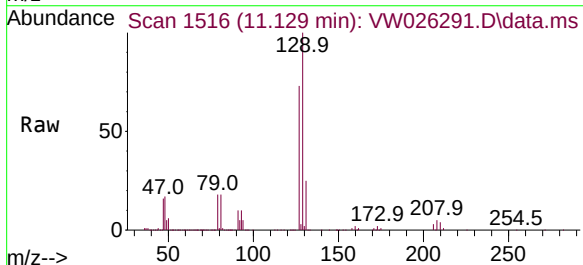
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

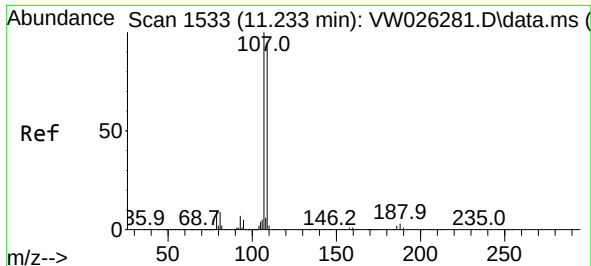
Tgt Ion: 43 Resp: 256425
Ion Ratio Lower Upper
43 100
58 50.2 42.2 63.2
57 17.2 14.2 21.2
100 9.4 8.3 12.5



#49
Dibromochloromethane
Concen: 24.200 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion: 129 Resp: 176238
Ion Ratio Lower Upper
129 100
127 72.6 56.9 105.7





#50

1,2-Dibromoethane

Concen: 25.084 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

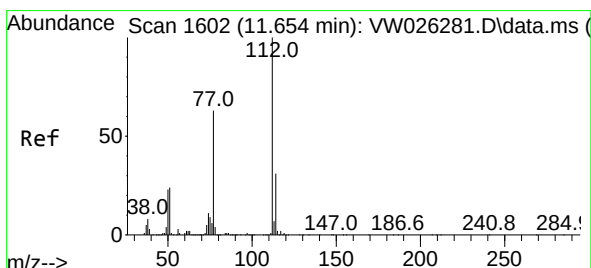
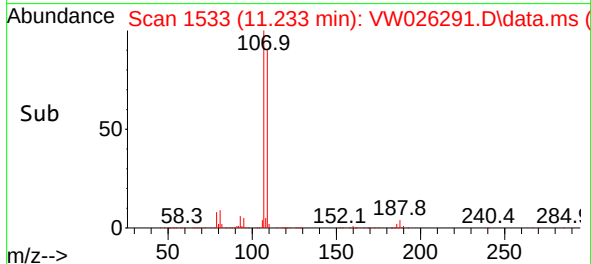
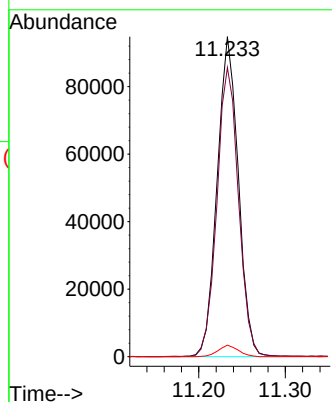
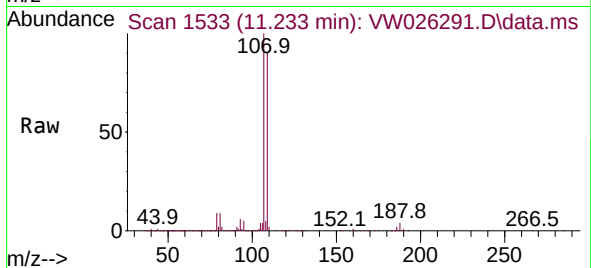
Tgt Ion:107 Resp: 161322

Ion Ratio Lower Upper

107 100

109 90.3 64.0 119.0

188 3.6 2.6 3.8



#51

Chlorobenzene

Concen: 23.948 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

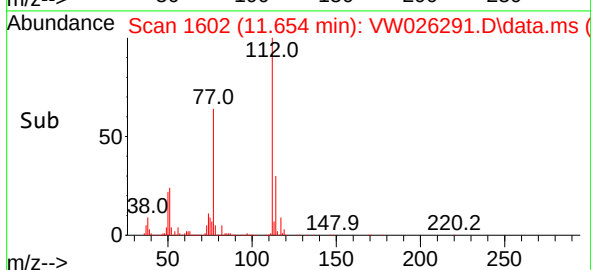
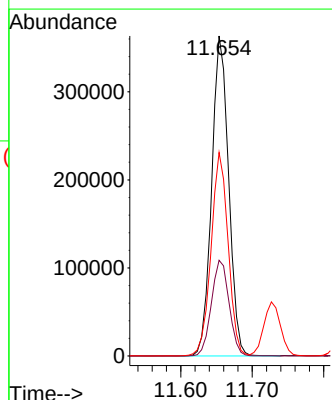
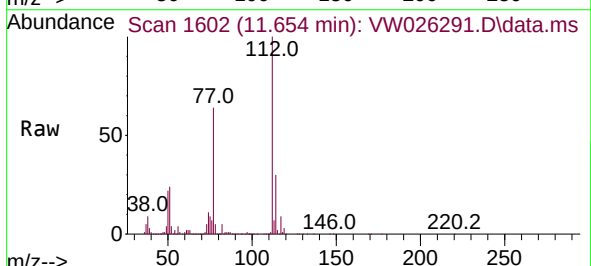
Tgt Ion:112 Resp: 597248

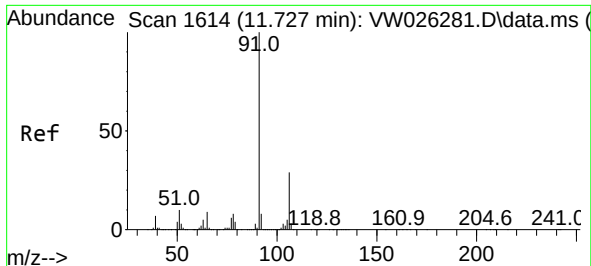
Ion Ratio Lower Upper

112 100

114 29.9 23.0 42.6

77 63.6 50.9 76.3





#52

Ethylbenzene

Concen: 24.149 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

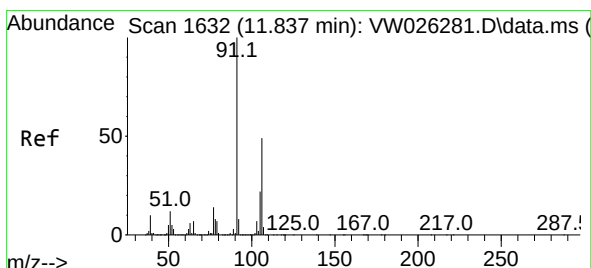
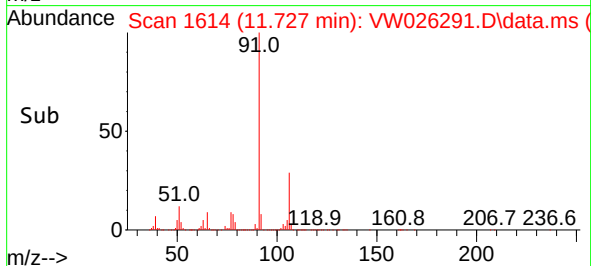
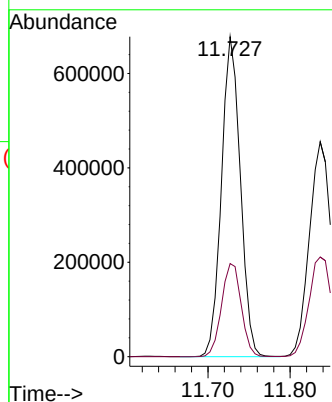
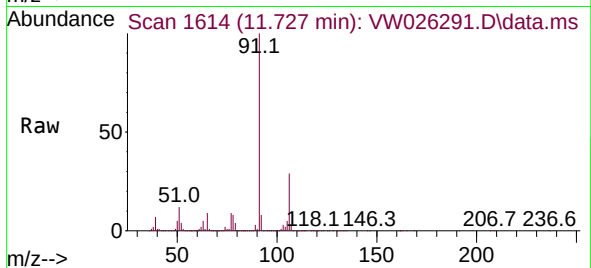
VSTD025528

Tgt Ion: 91 Resp: 1084161

Ion Ratio Lower Upper

91 100

106 29.1 21.2 39.4



#53

m,p-Xylene

Concen: 24.245 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW026291.D

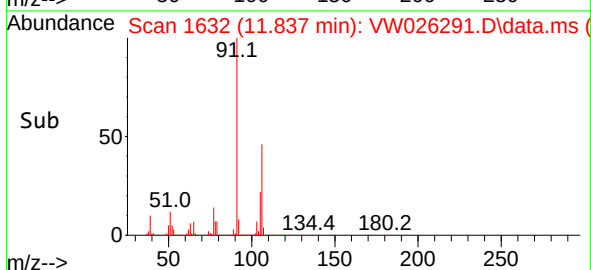
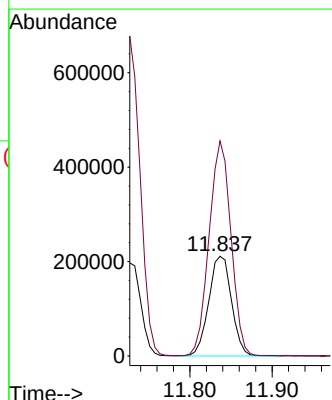
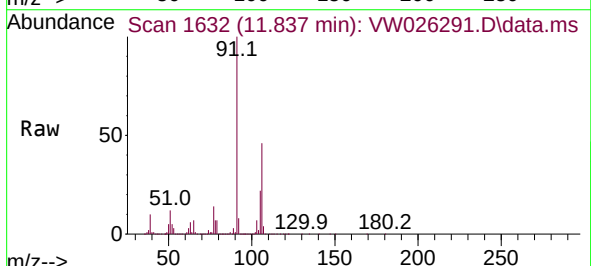
Acq: 21 Jun 2023 17:59

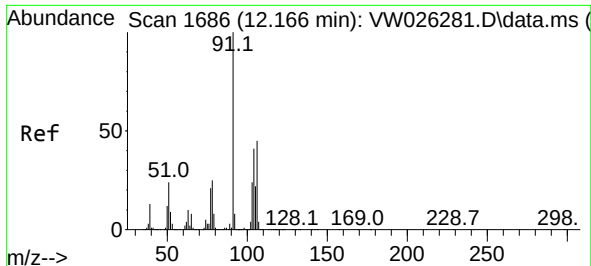
Tgt Ion: 106 Resp: 404928

Ion Ratio Lower Upper

106 100

91 215.7 149.5 277.7

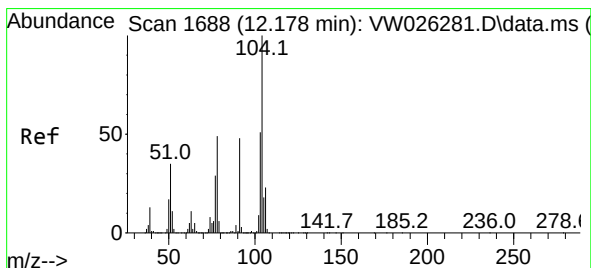
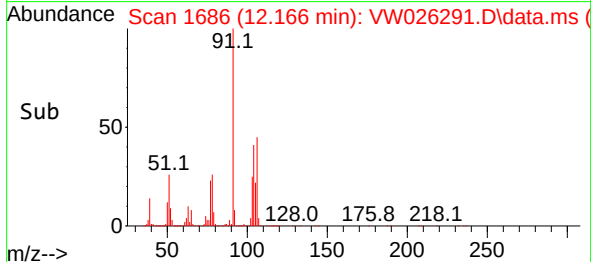
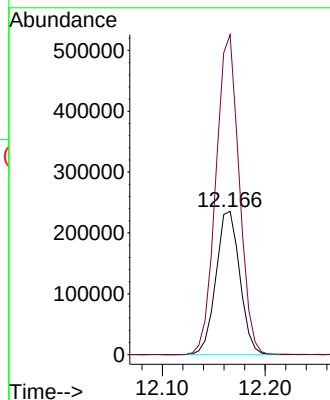
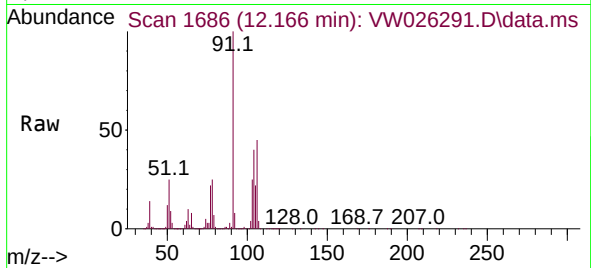




#54
o-Xylene
Concen: 24.029 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

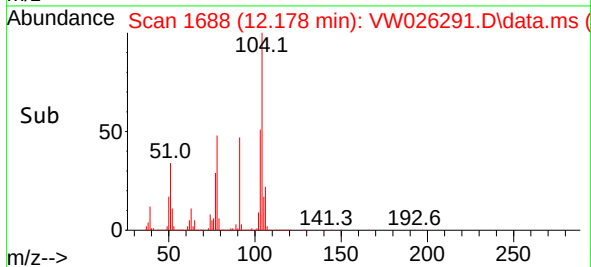
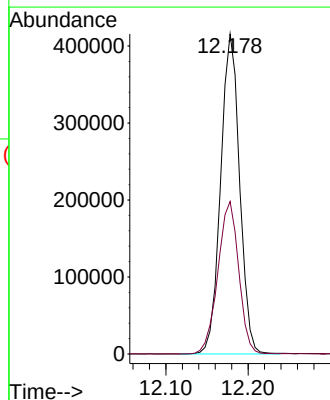
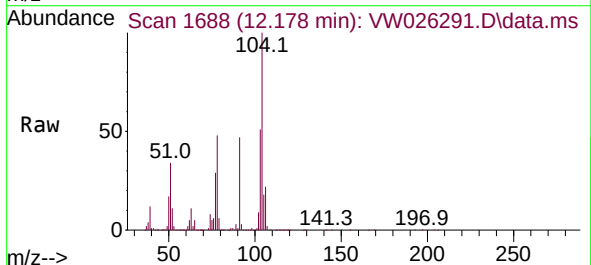
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

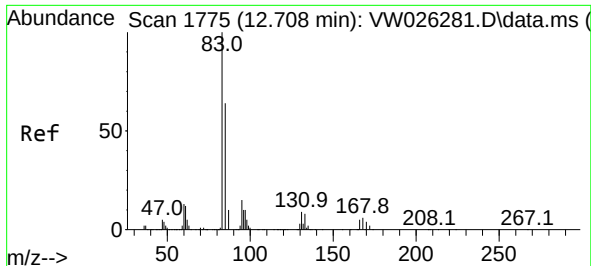
Tgt Ion:106 Resp: 378788
Ion Ratio Lower Upper
106 100
91 223.2 150.9 280.3



#55
Styrene
Concen: 24.652 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion:104 Resp: 666686
Ion Ratio Lower Upper
104 100
78 47.7 32.6 60.6





#57

1,1,2-Tetrachloroethane

Concen: 26.834 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

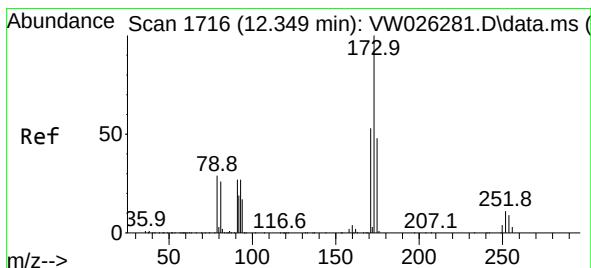
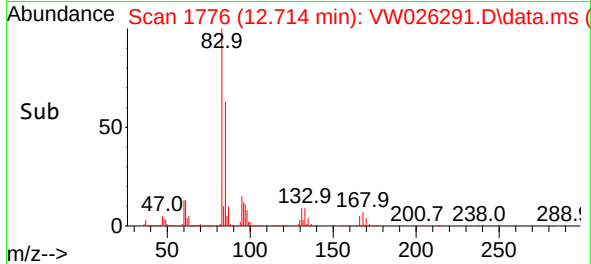
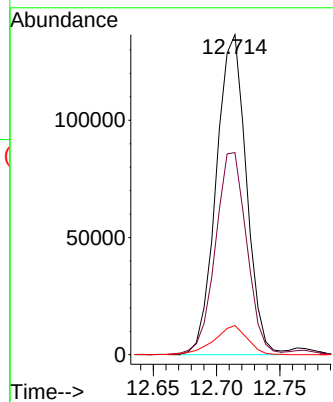
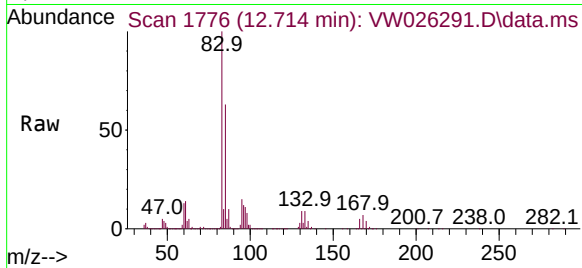
Tgt Ion: 83 Resp: 225567

Ion Ratio Lower Upper

83 100

85 63.1 42.6 79.0

131 9.1 7.2 10.8



#59

Bromoform

Concen: 23.559 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

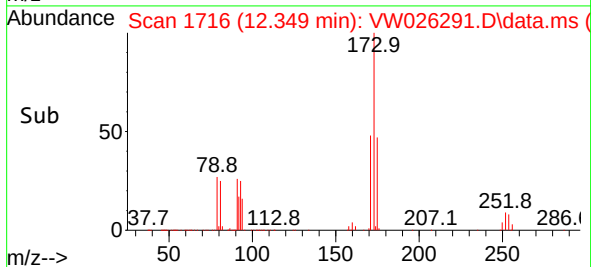
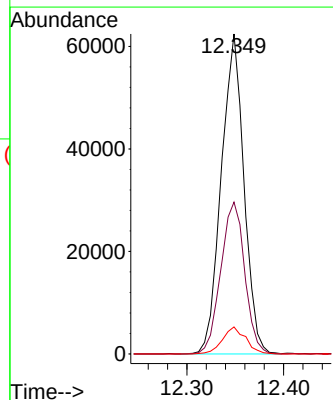
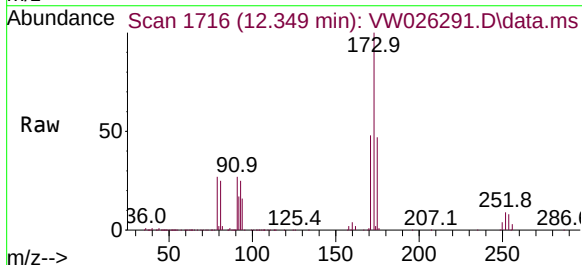
Tgt Ion: 173 Resp: 101420

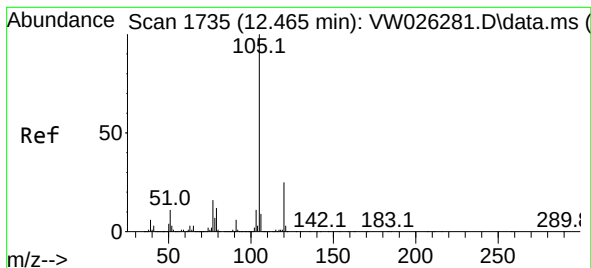
Ion Ratio Lower Upper

173 100

175 50.1 38.6 57.8

254 8.7 7.4 11.0





#60

Isopropylbenzene

Concen: 23.776 ug/L

RT: 12.458 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

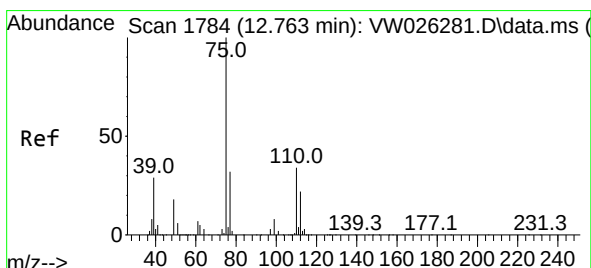
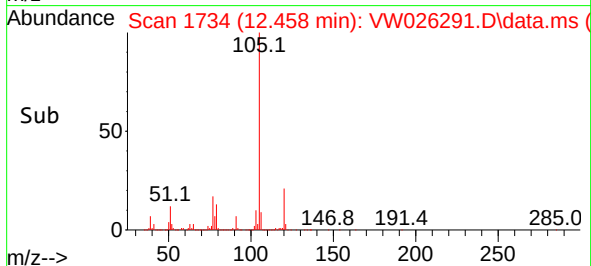
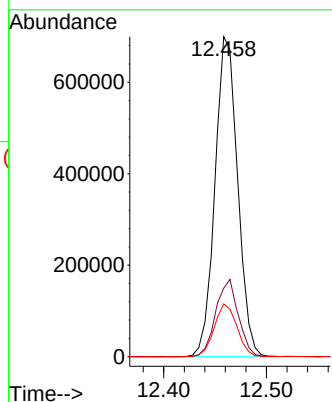
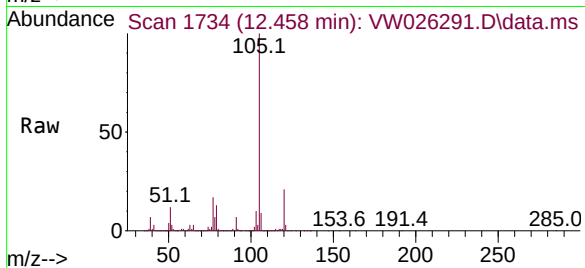
Tgt Ion:105 Resp: 1070509

Ion Ratio Lower Upper

105 100

120 24.0 19.8 29.8

77 16.5 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 25.684 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

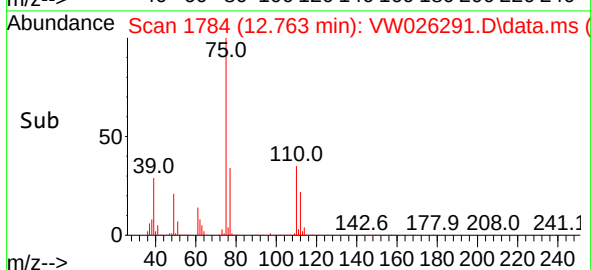
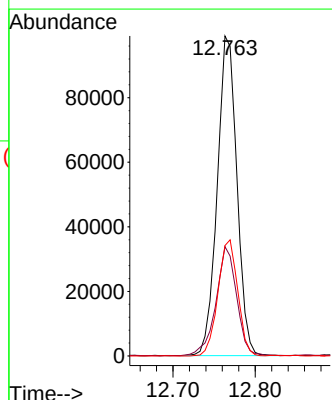
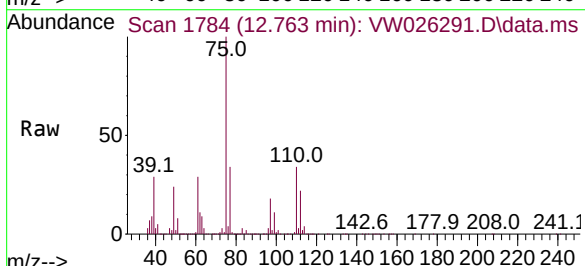
Tgt Ion: 75 Resp: 164891

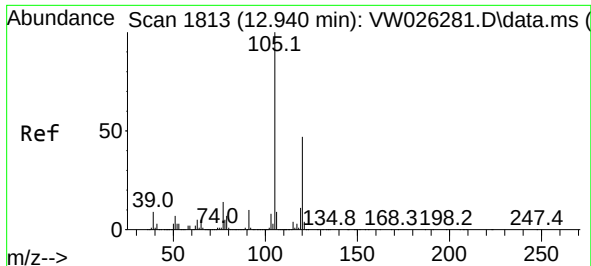
Ion Ratio Lower Upper

75 100

77 35.8 25.2 37.8

110 36.5 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 23.267 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

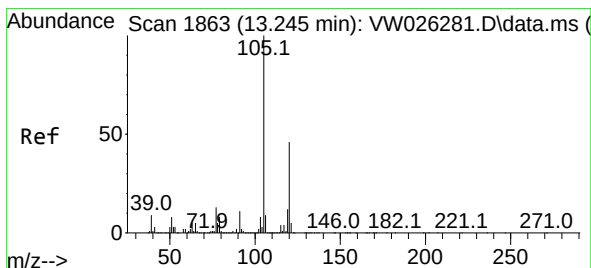
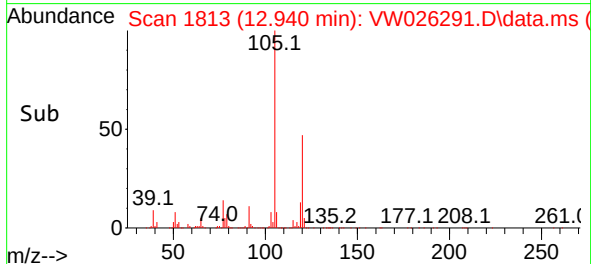
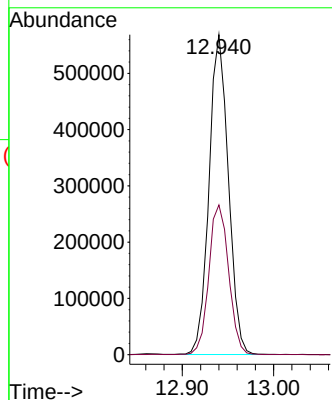
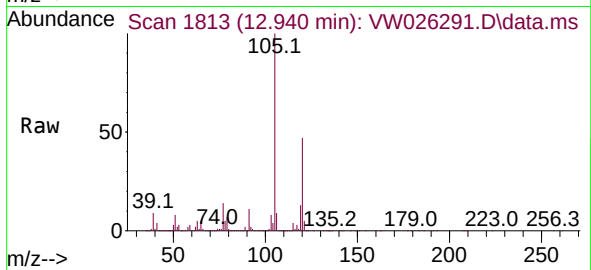
VSTD025528

Tgt Ion:105 Resp: 832787

Ion Ratio Lower Upper

105 100

120 48.1 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 23.664 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026291.D

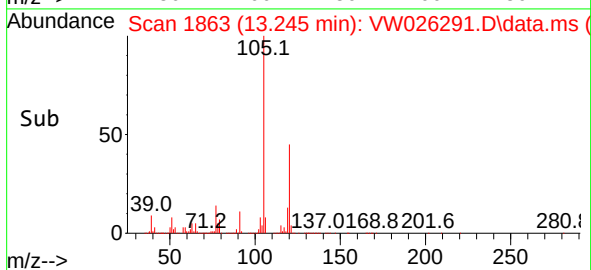
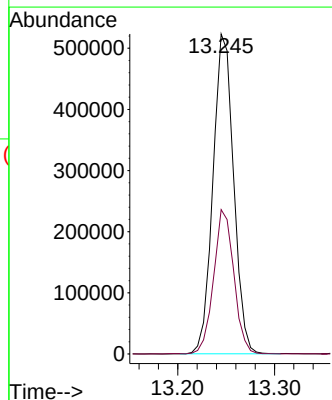
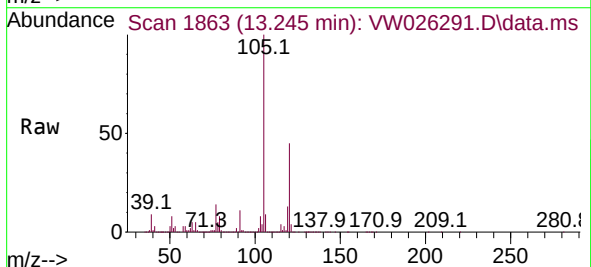
Acq: 21 Jun 2023 17:59

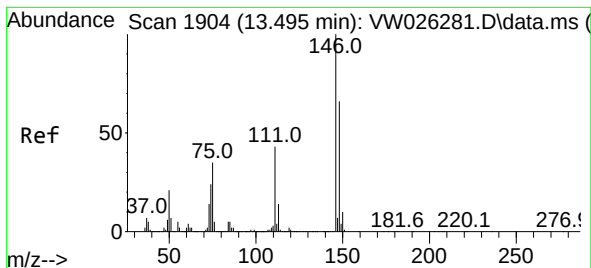
Tgt Ion:105 Resp: 775784

Ion Ratio Lower Upper

105 100

120 44.2 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 23.045 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

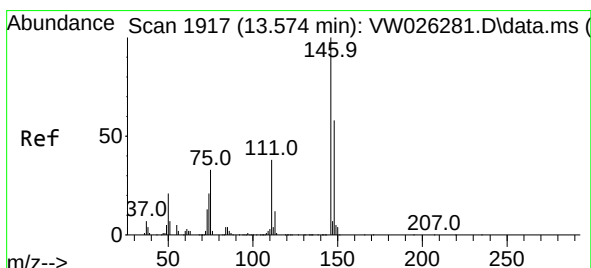
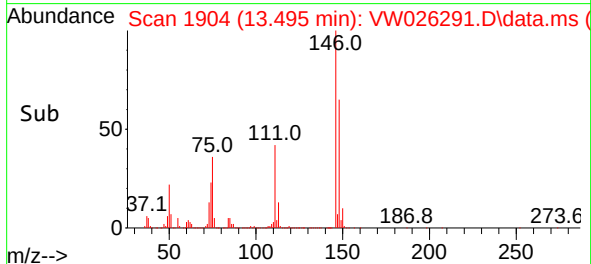
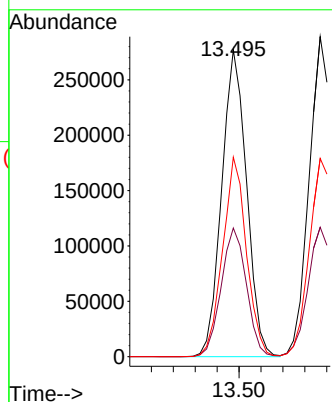
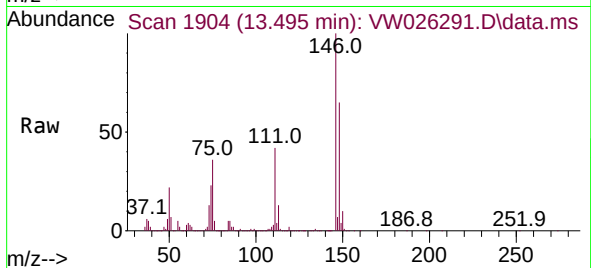
Tgt Ion:146 Resp: 436270

Ion Ratio Lower Upper

146 100

111 41.9 29.7 55.1

148 65.0 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 23.378 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

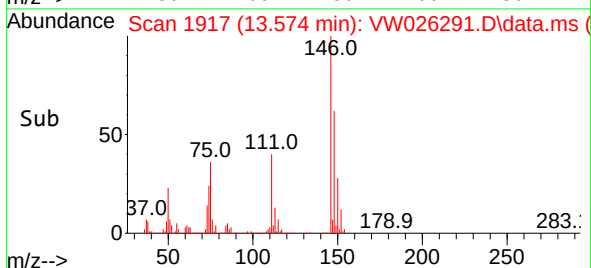
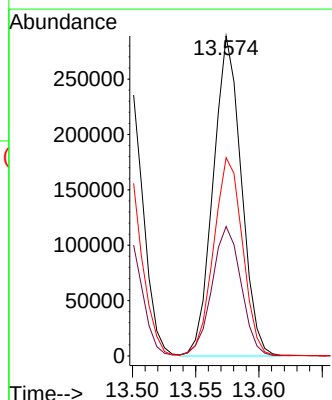
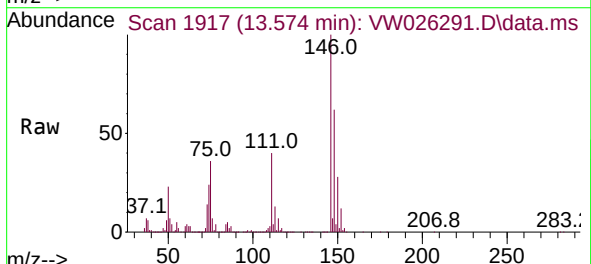
Tgt Ion:146 Resp: 445573

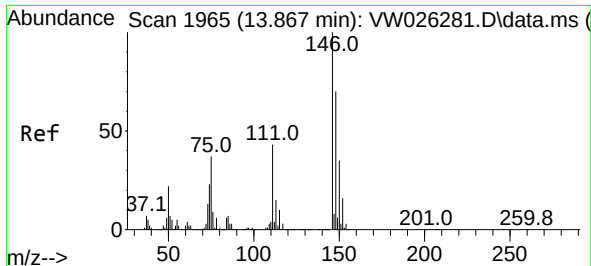
Ion Ratio Lower Upper

146 100

111 40.4 29.2 54.2

148 62.0 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 23.117 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

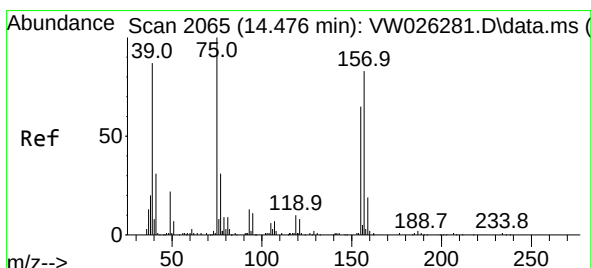
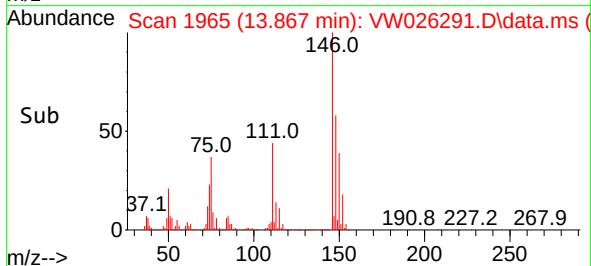
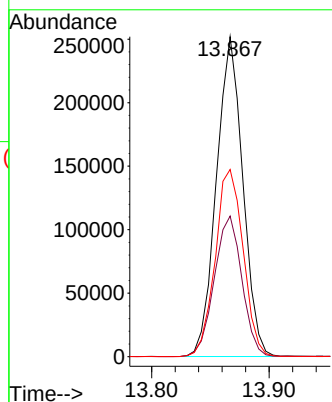
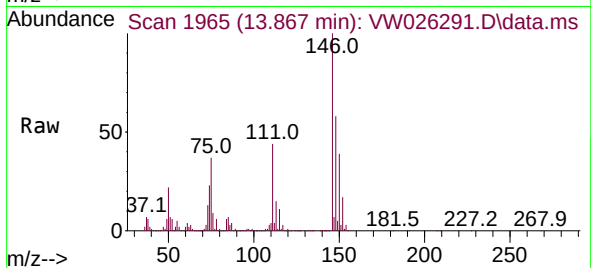
Tgt Ion:146 Resp: 392988

Ion Ratio Lower Upper

146 100

111 44.0 35.4 53.0

148 58.5 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 24.691 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

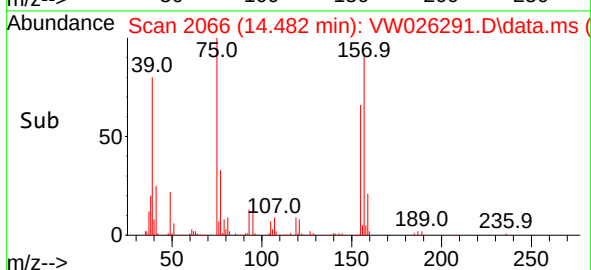
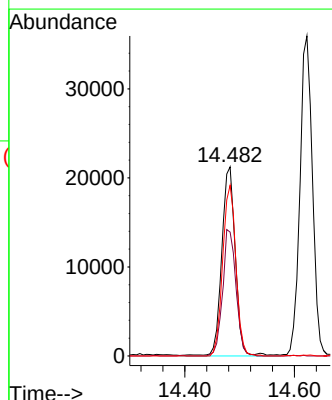
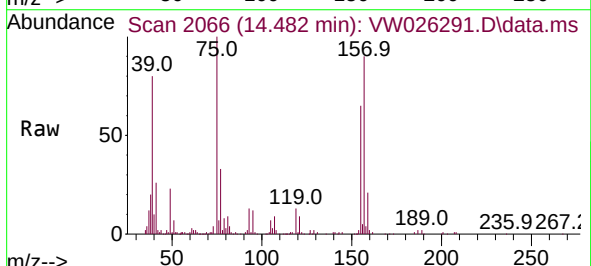
Tgt Ion: 75 Resp: 36726

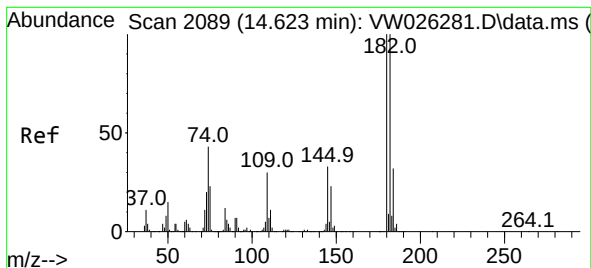
Ion Ratio Lower Upper

75 100

155 65.5 59.0 88.6

157 90.3 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 20.384 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

Tgt Ion:180 Resp: 265079

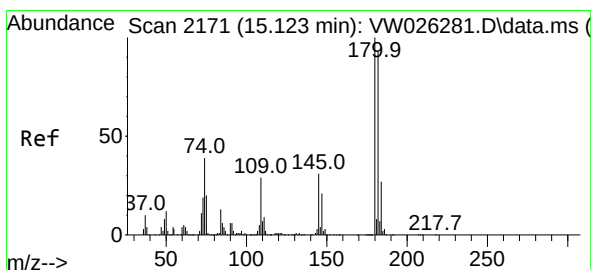
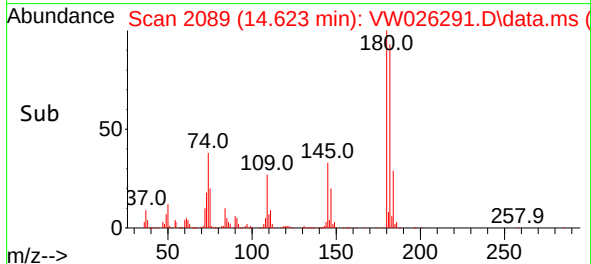
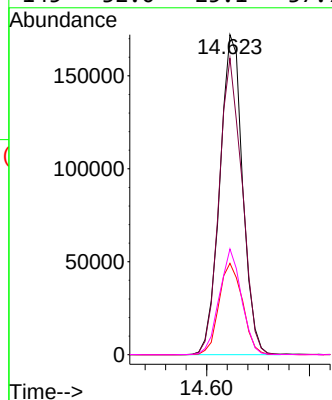
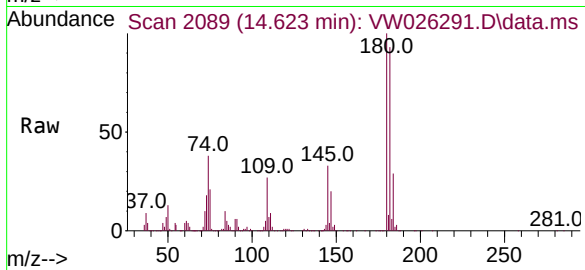
Ion Ratio Lower Upper

180 100

182 93.3 77.0 115.4

184 29.5 23.7 35.5

145 32.0 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 20.212 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW026291.D

Acq: 21 Jun 2023 17:59

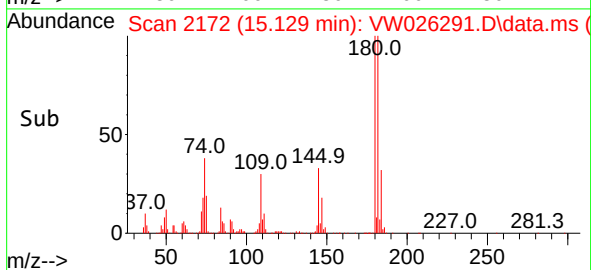
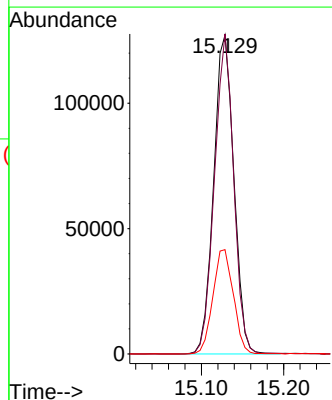
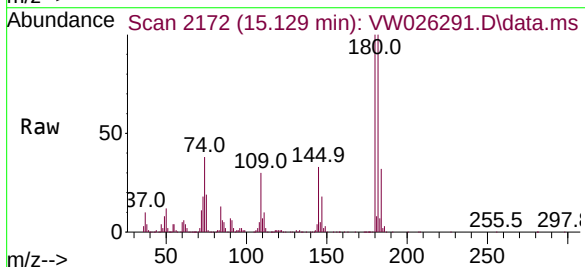
Tgt Ion:180 Resp: 216885

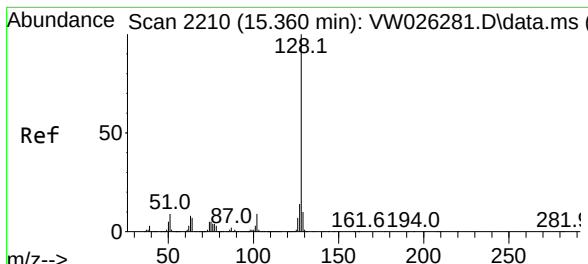
Ion Ratio Lower Upper

180 100

182 95.2 78.9 118.3

145 33.1 27.2 40.8

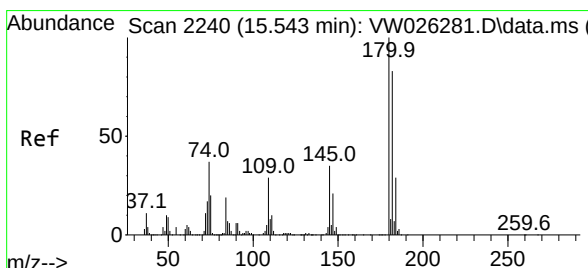
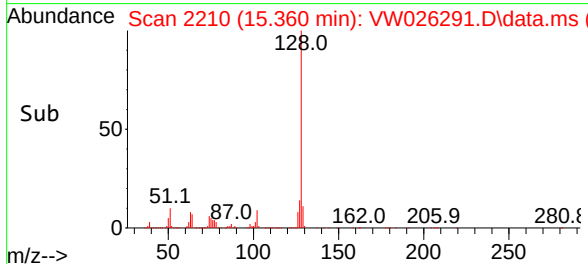
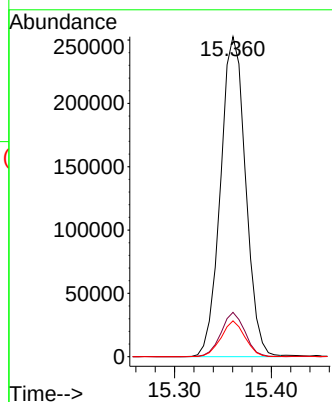
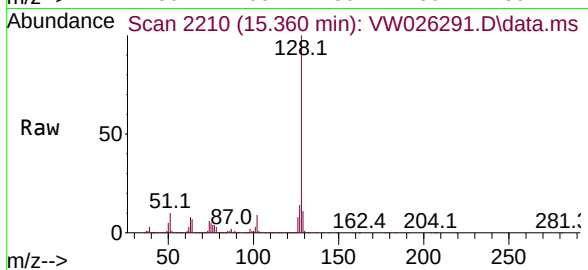




#71
Naphthalene
Concen: 23.742 ug/L
RT: 15.360 min Scan# 211
Delta R.T. -0.000 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

Tgt Ion:128 Resp: 454076
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 21.947 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW026291.D
Acq: 21 Jun 2023 17:59

Tgt Ion:180 Resp: 205822
Ion Ratio Lower Upper
180 100
182 93.6 76.3 114.5
145 33.7 27.0 40.6

