

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
 Data File : VW026427.D
 Acq On : 29 Jun 2023 04:47
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025541

Quant Time: Jun 29 06:31:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 29 02:27:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	868009	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	723612	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	370211	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	227079	18.007	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.040%
7) Chloroethane-d5	2.893	69	233449	26.042	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.160%
11) 1,1-Dichloroethene-d2	4.021	65	108984	19.090	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.360%
21) 2-Butanone-d5	7.075	46	141833	35.788	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.580%
24) Chloroform-d	7.648	84	539571	21.937	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.760%
26) 1,2-Dichloroethane-d4	8.307	65	318719	23.061	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.240%
32) Benzene-d6	8.276	84	1201789	26.832	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.320%
36) 1,2-Dichloropropane-d6	9.270	67	375096	25.772	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.080%
41) Toluene-d8	10.325	98	1015273	25.897	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.600%
43) trans-1,3-Dichloroprop...	10.575	79	139183	23.818	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.280%
47) 2-Hexanone-d5	10.922	63	120828	54.057	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.120%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	276111	24.097	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	13.849	152	322864	25.047	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	182427	17.484	ug/L	97
3) Chloromethane	2.223	50	265686	17.610	ug/L	96
5) Vinyl chloride	2.375	62	277979	17.720	ug/L	100
6) Bromomethane	2.790	94	203670	23.654	ug/L	100
8) Chloroethane	2.930	64	216087	25.689	ug/L	99
9) Trichlorofluoromethane	3.265	101	190208	17.190	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	215206	17.966	ug/L	95
12) 1,1-Dichloroethene	4.052	96	202219	18.018	ug/L	90
13) Acetone	4.131	43	91700	28.908	ug/L	98
14) Carbon disulfide	4.387	76	678649	17.112	ug/L	100
15) Methyl Acetate	4.673	43	131980	18.149	ug/L	96
16) Methylene chloride	4.917	84	262674	17.883	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	228270	18.504	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	425137	22.035	ug/L	97
19) 1,1-Dichloroethane	6.216	63	474357	18.361	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	255292	19.150	ug/L	97
22) 2-Butanone	7.173	43	156817	32.309	ug/L	99
23) Bromochloromethane	7.514	128	105691	18.484	ug/L	96
25) Chloroform	7.673	83	544626	22.746	ug/L	99

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	408890	23.752	ug/L	98
29) Cyclohexane	7.959	56	551847	26.410	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	434214	24.805	ug/L	98
31) Carbon tetrachloride	8.069	117	385702	24.511	ug/L	98
33) Benzene	8.325	78	1316807	26.941	ug/L	100
34) Trichloroethene	9.093	95	323274	25.832	ug/L	99
35) Methylcyclohexane	9.337	83	549296	25.595	ug/L	99
37) 1,2-Dichloropropane	9.368	63	326418	23.903	ug/L	99
38) Bromodichloromethane	9.642	83	403488	25.729	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	495473	25.324	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	467648	53.054	ug/L	98
42) Toluene	10.386	91	1271011	25.921	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	418121	25.317	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	237900	26.018	ug/L	99
46) Tetrachloroethene	10.861	164	228104	25.872	ug/L	94
48) 2-Hexanone	10.965	43	313571	50.418	ug/L	96
49) Dibromochloromethane	11.130	129	248357	26.527	ug/L	97
50) 1,2-Dibromoethane	11.233	107	217079	25.859	ug/L	99
51) Chlorobenzene	11.654	112	803824	25.701	ug/L	96
52) Ethylbenzene	11.727	91	1432052	25.919	ug/L	100
53) m,p-Xylene	11.837	106	525222	26.066	ug/L	92
54) o-Xylene	12.166	106	530614	27.968	ug/L	87
55) Styrene	12.178	104	885488	26.760	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.715	83	280477	24.541	ug/L	96
59) Bromoform	12.349	173	129427	23.110	ug/L	99
60) Isopropylbenzene	12.459	105	1459615	26.233	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	207501	23.058	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1209843	28.050	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	1192430	28.664	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	585419	24.565	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	598124	25.079	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	529876	24.964	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.483	75	46150	22.250	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	389280	25.420	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	331794	26.475	ug/L	98
71) Naphthalene	15.360	128	754682	29.956	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	290369	24.816	ug/L	99

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

Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

Abundance

TIC: VW026427.D\data.ms

Time-->

3600000

3400000

3200000

3000000

2800000

2600000

2400000

2200000

2000000

1800000

1600000

1400000

1200000

1000000

800000

600000

400000

200000

0

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Dichlorodifluoromethane, T

Chloromethane, T

Vinyl chloride, S

Bromomethane, T

Chloroethane, S

Trichlorofluoromethane, T

Acetone, T

1,1,1-Trichloroethane, T

Carbon disulfide, T

Methyl Acetate, T

Methylene chloride, T

Methyl tert-butyl ether, T

1,1-Dichloroethane, T

2-Butanone-d5, S

2,4-Dinitroethane, T

Bromochloromethane, T

Chloroform, T

1,1,1-Trichloroethane, T

Carbon tetrachloride, T

1,2-Dichloroethane, T

1,2-Dichloroethane, T

1,2-Dichloroethane, T

1,4-Difluorobenzene, T

Trichloroethene, T

1,2-Dichloropropane, T

Methylcyclohexane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

4-Methyl-2-pentanol, T

trans-1,3-Dichloropropene, T

trans-1,3-Dichloropropene, T

1,1,2-Trichloroethane, T

1,1,2-Trichloroethane, T

2-Hexanone, T

Dibromochloromethane, T

1,2-Dibromodichloroethane, T

Chlorobenzene, T

Ethylbenzene, T

m,p-Xylene, T

Bromoform, T

1,2,3-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

1,3,5-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

1,3-Dichlorobenzene, T

1,2,3-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

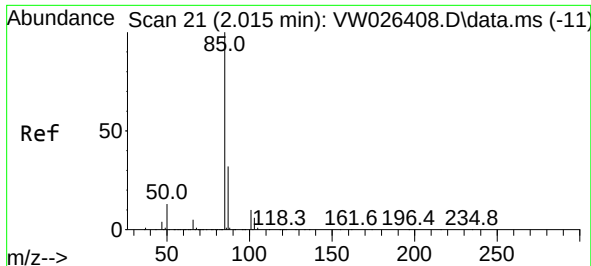
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1,2,4-trichlorobenzene, T

Naphthalene

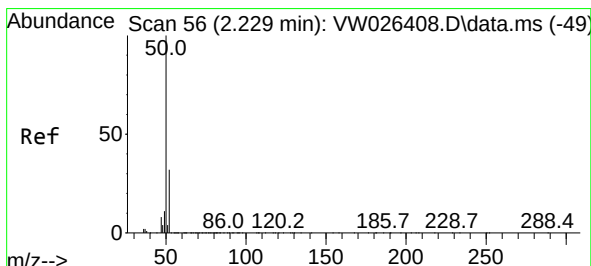
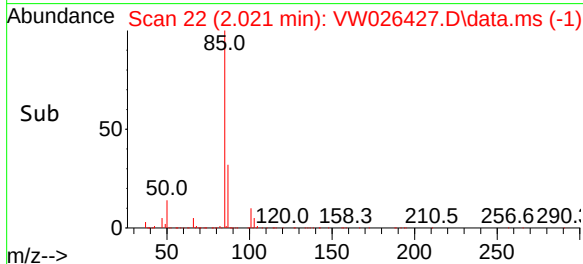
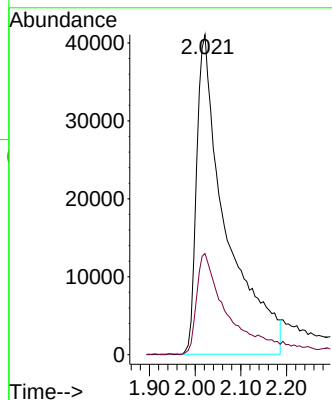
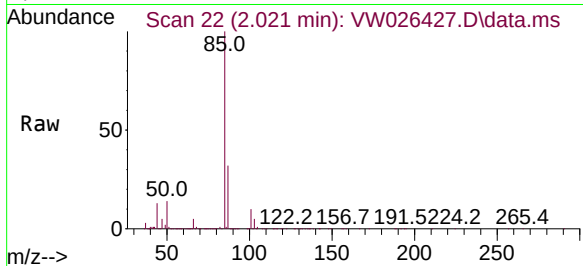
1,2,3-Trichlorobenzene, T



#2
 Dichlorodifluoromethane
 Concen: 17.484 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.006 min
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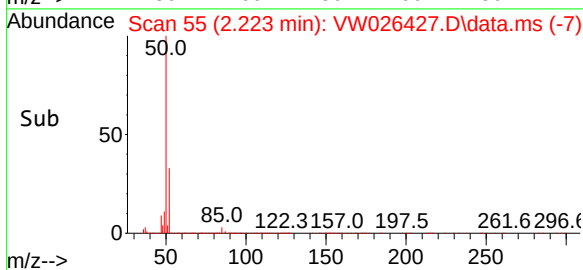
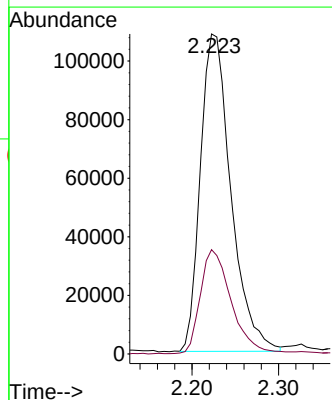
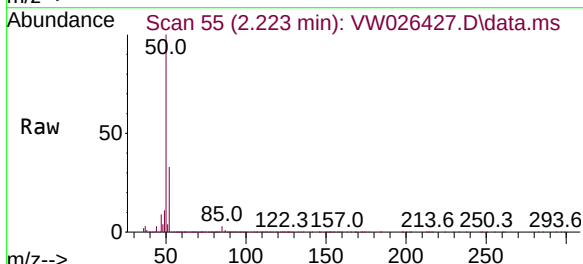
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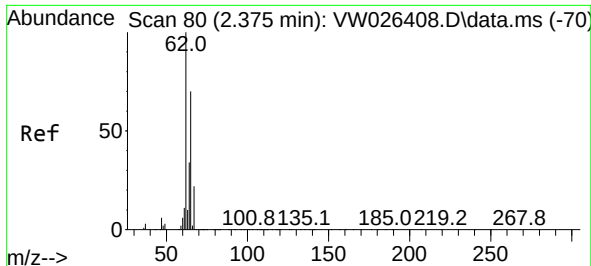
Tgt Ion: 85 Resp: 182427
 Ion Ratio Lower Upper
 85 100
 87 29.7 25.2 37.8



#3
 Chloromethane
 Concen: 17.610 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW026427.D
 Acq: 29 Jun 2023 04:47

Tgt Ion: 50 Resp: 265686
 Ion Ratio Lower Upper
 50 100
 52 32.6 21.4 39.8

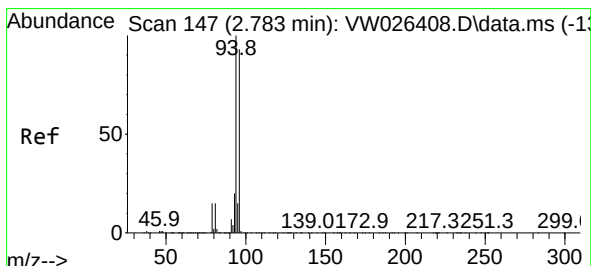
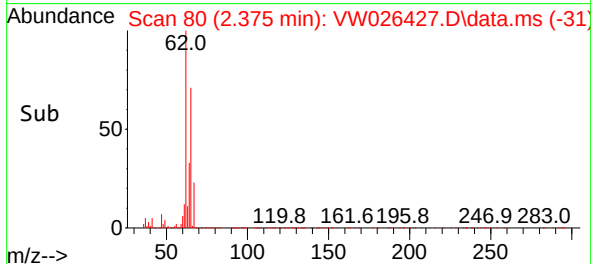
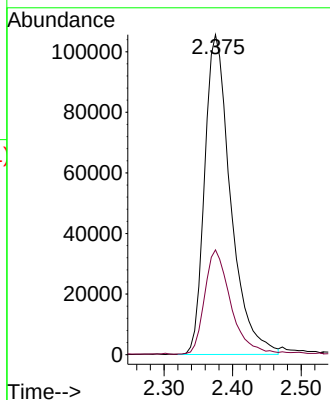
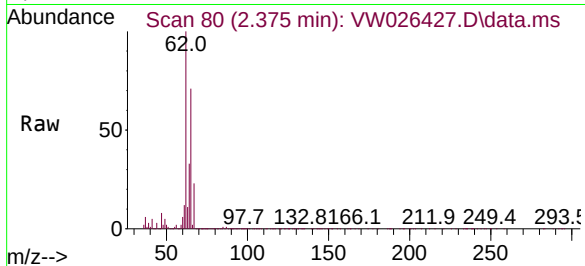




#5
 Vinyl chloride
 Concen: 17.720 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026427.D
 Acq: 29 Jun 2023 04:47

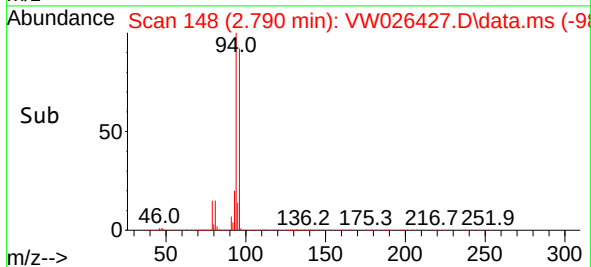
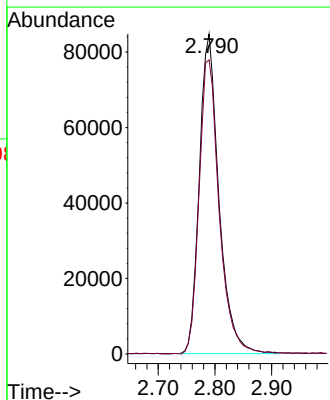
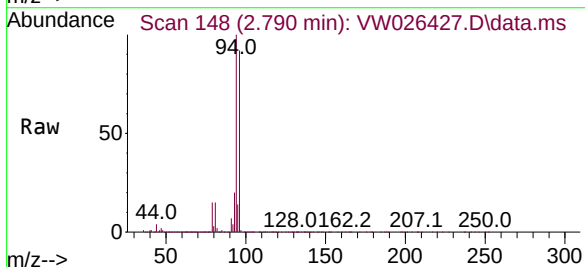
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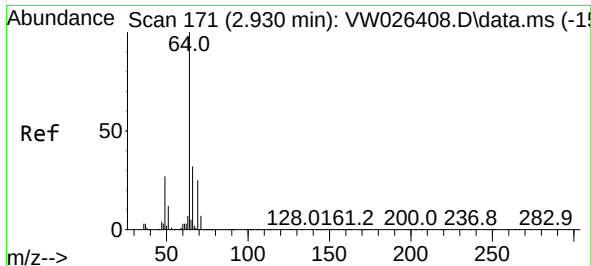
Tgt Ion: 62 Resp: 277979
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.0 42.8



#6
 Bromomethane
 Concen: 23.654 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.006 min
 Lab File: VW026427.D
 Acq: 29 Jun 2023 04:47

Tgt Ion: 94 Resp: 203670
 Ion Ratio Lower Upper
 94 100
 96 91.9 64.6 120.0

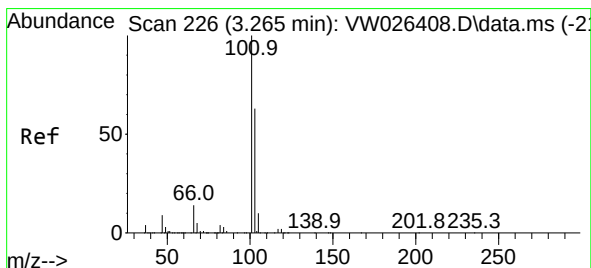
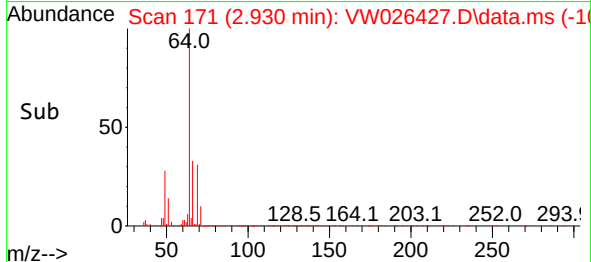
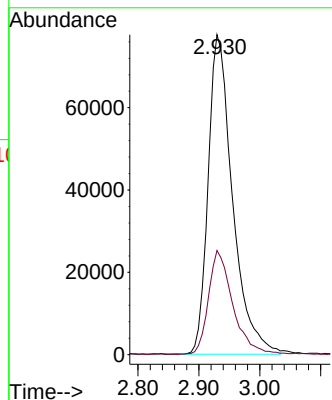
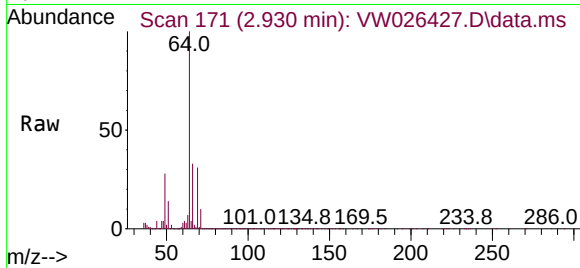




#8
Chloroethane
Concen: 25.689 ug/L
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

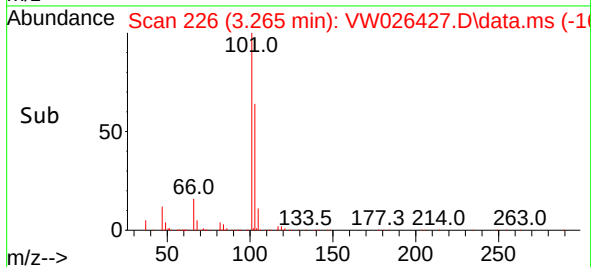
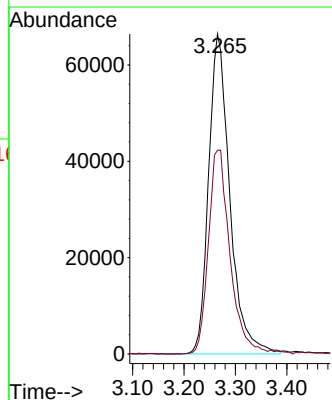
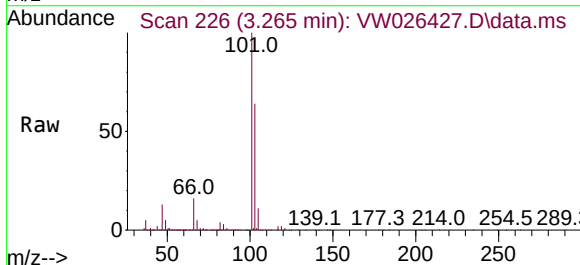
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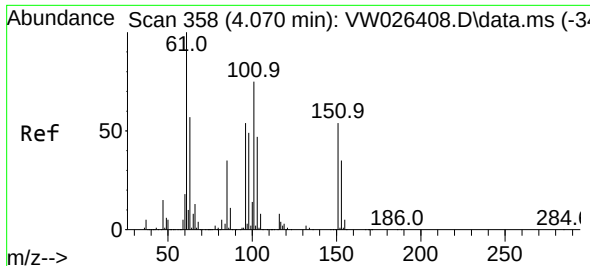
Tgt Ion: 64 Resp: 216087
Ion Ratio Lower Upper
64 100
66 32.5 22.5 41.7



#9
Trichlorofluoromethane
Concen: 17.190 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion: 101 Resp: 190208
Ion Ratio Lower Upper
101 100
103 64.6 52.9 79.3

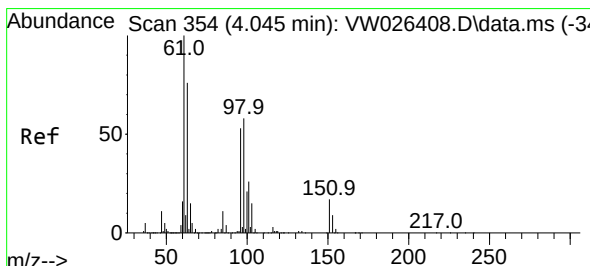
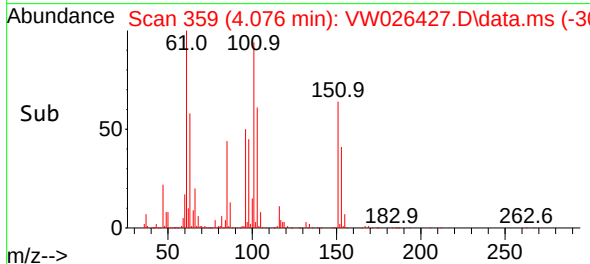
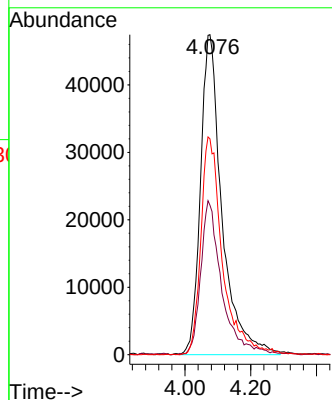
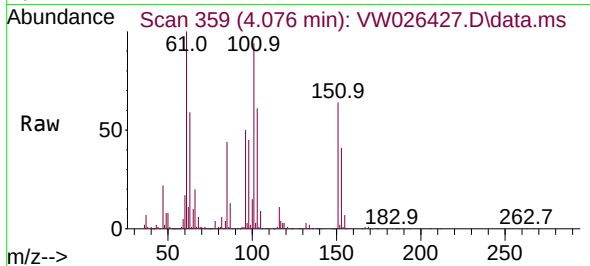




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 17.966 ug/L
 RT: 4.076 min Scan# 358
 Delta R.T. 0.006 min
 Lab File: VW026427.D
 Acq: 29 Jun 2023 04:47

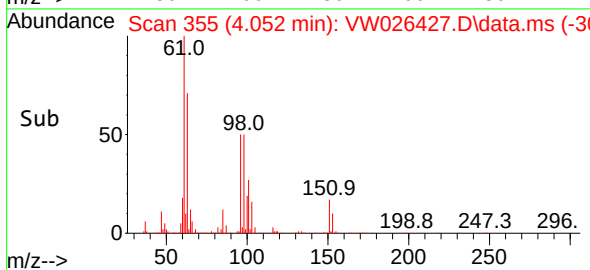
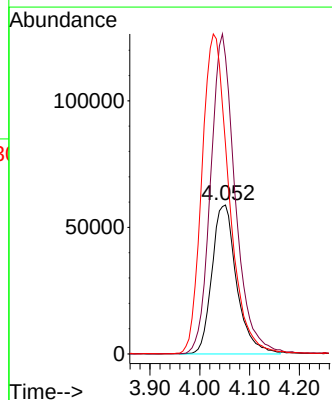
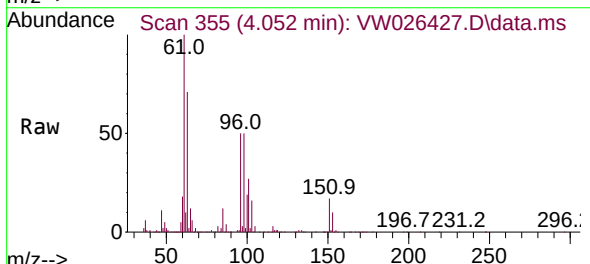
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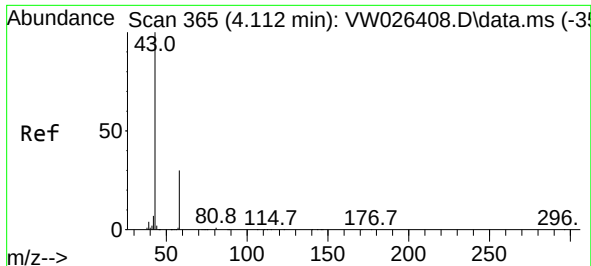
Tgt Ion:101 Resp: 215206
 Ion Ratio Lower Upper
 101 100
 85 43.7 35.4 53.0
 151 64.1 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 18.018 ug/L
 RT: 4.052 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW026427.D
 Acq: 29 Jun 2023 04:47

Tgt Ion: 96 Resp: 202219
 Ion Ratio Lower Upper
 96 100
 61 199.5 134.3 249.3
 63 140.8 112.3 208.5

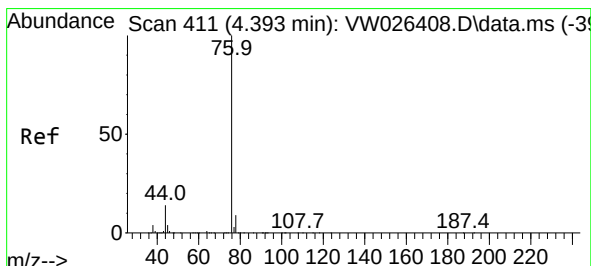
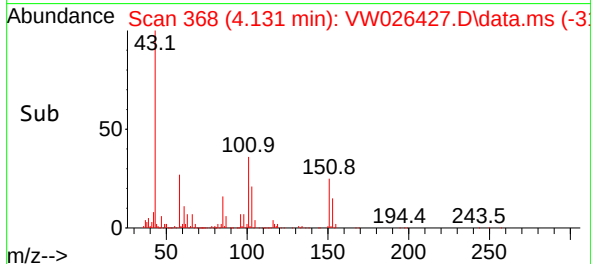
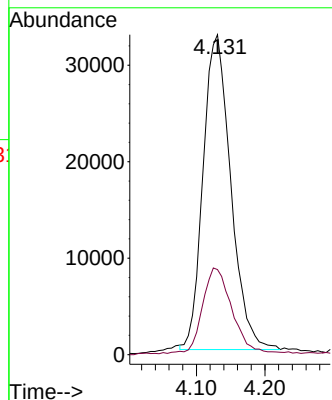
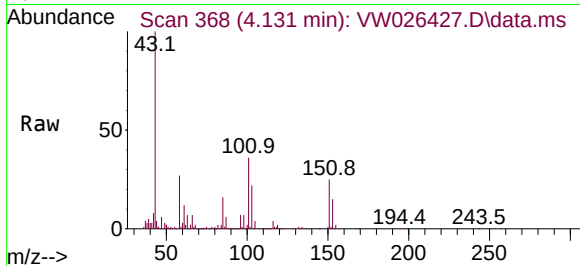




#13
Acetone
Concen: 28.908 ug/L
RT: 4.131 min Scan# 30
Delta R.T. 0.018 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

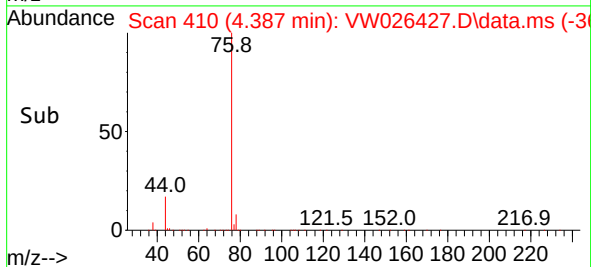
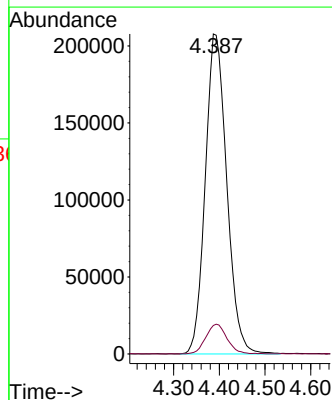
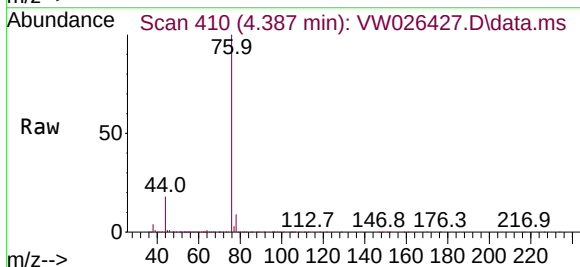
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

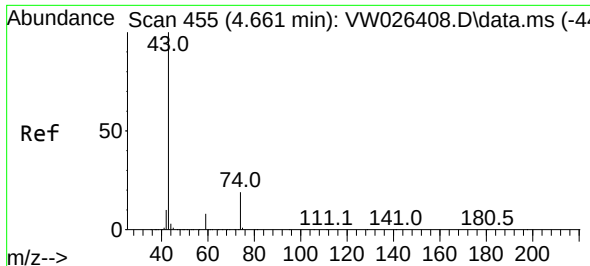
Tgt Ion: 43 Resp: 91700
Ion Ratio Lower Upper
43 100
58 28.8 0.0 55.8



#14
Carbon disulfide
Concen: 17.112 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion: 76 Resp: 678649
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

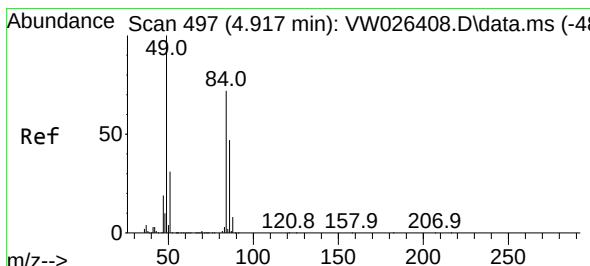
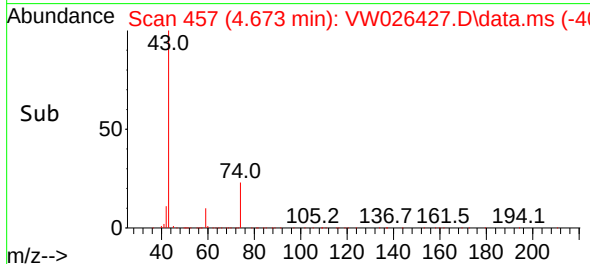
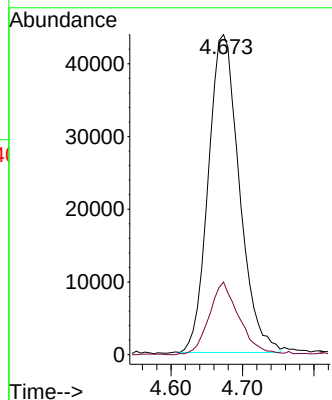
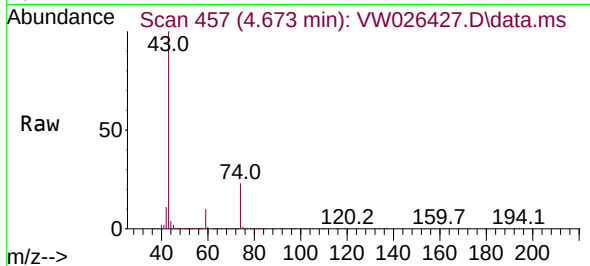




#15
Methyl Acetate
Concen: 18.149 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.012 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

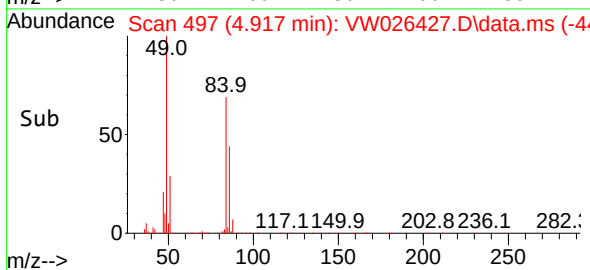
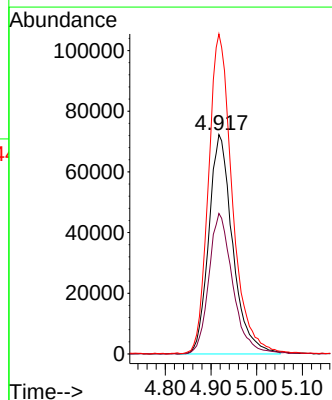
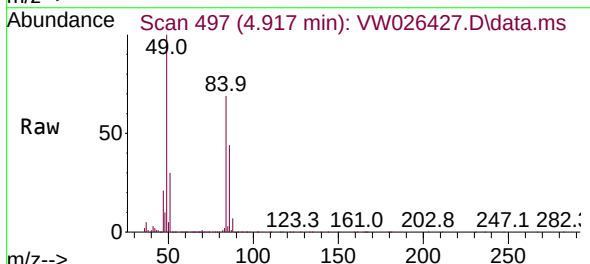
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

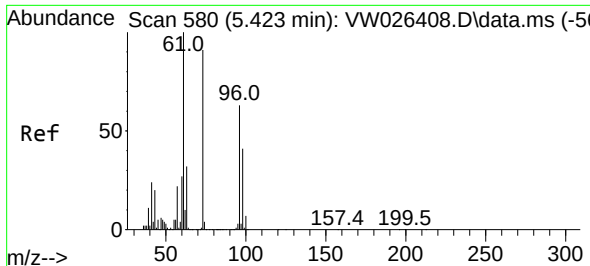
Tgt Ion: 43 Resp: 131980
Ion Ratio Lower Upper
43 100
74 22.0 16.3 24.5



#16
Methylene chloride
Concen: 17.883 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion: 84 Resp: 262674
Ion Ratio Lower Upper
84 100
86 64.1 43.9 81.5
49 145.8 100.4 186.4

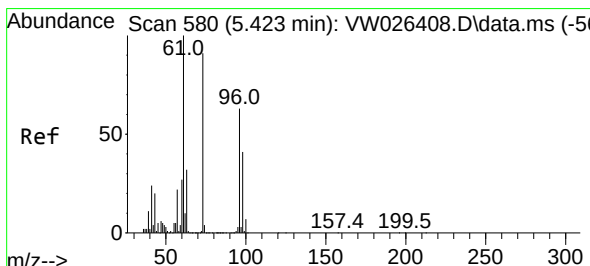
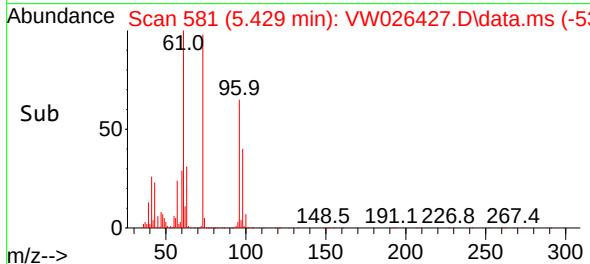
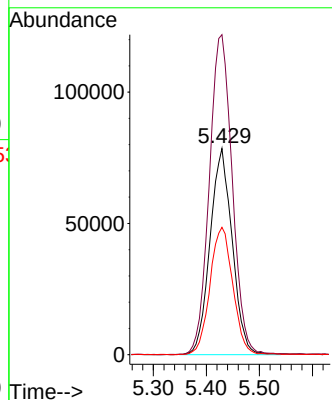
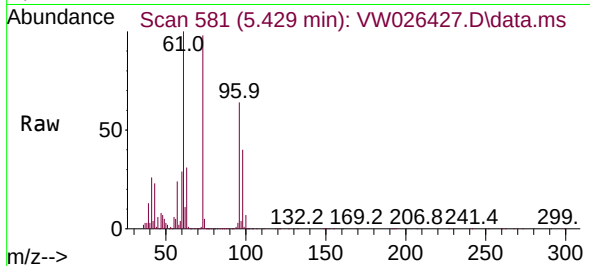




#17
trans-1,2-Dichloroethene
Concen: 18.504 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

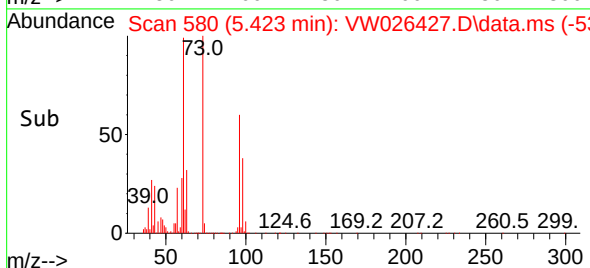
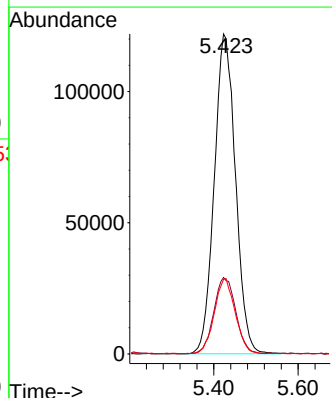
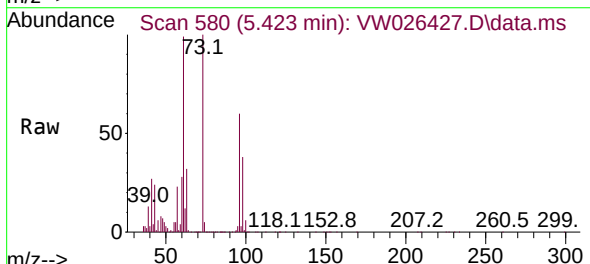
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

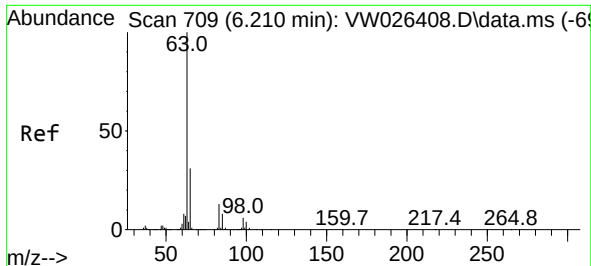
Tgt Ion: 96 Resp: 228270
Ion Ratio Lower Upper
96 100
61 155.2 106.1 197.1
98 61.7 43.9 81.5



#18
Methyl tert-butyl Ether
Concen: 22.035 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion: 73 Resp: 425137
Ion Ratio Lower Upper
73 100
43 24.3 18.1 27.1
57 23.2 19.5 29.3





#19

1,1-Dichloroethane

Concen: 18.361 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.006 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD025541

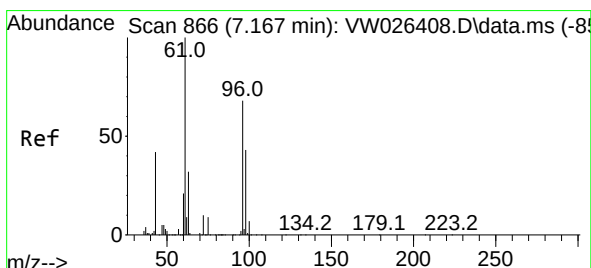
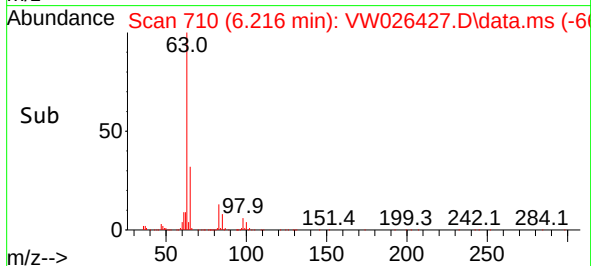
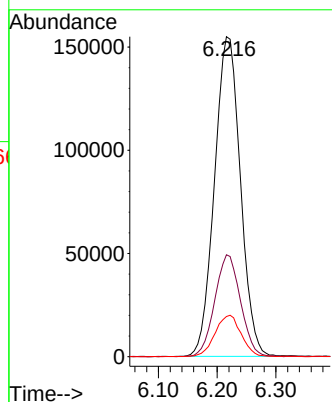
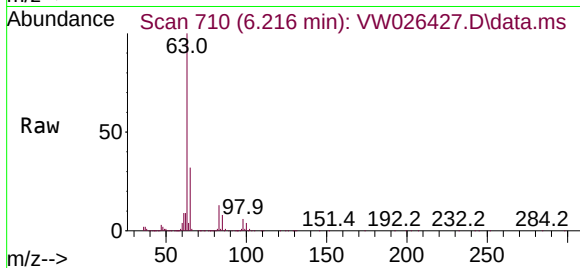
Tgt Ion: 63 Resp: 474357

Ion Ratio Lower Upper

63 100

65 31.9 22.8 42.4

83 12.6 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 19.150 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

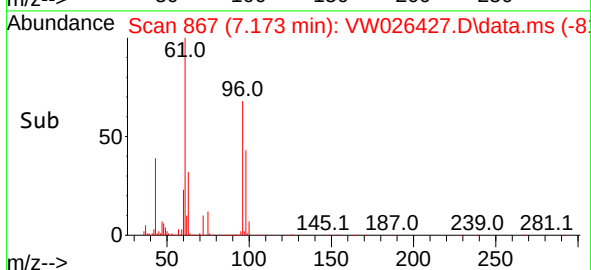
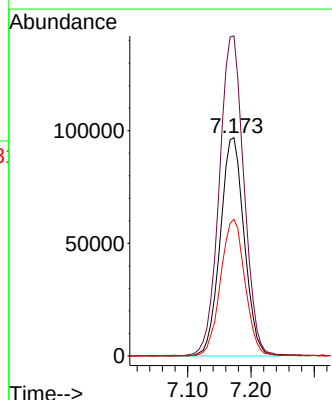
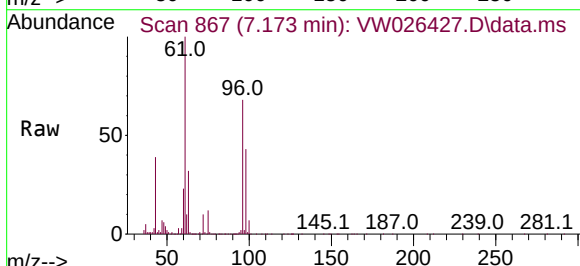
Tgt Ion: 96 Resp: 255292

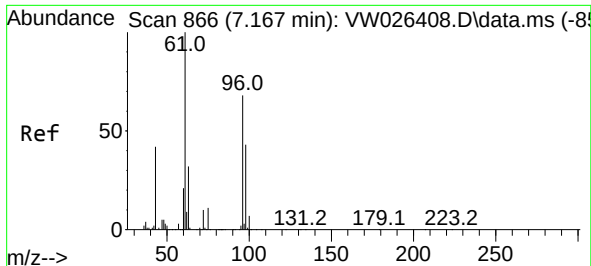
Ion Ratio Lower Upper

96 100

61 146.7 100.8 187.2

98 62.6 45.7 84.9

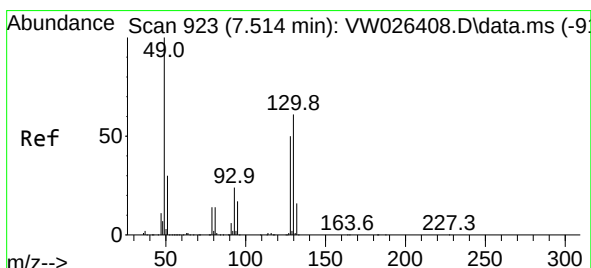
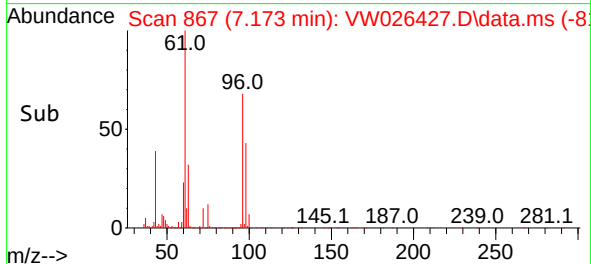
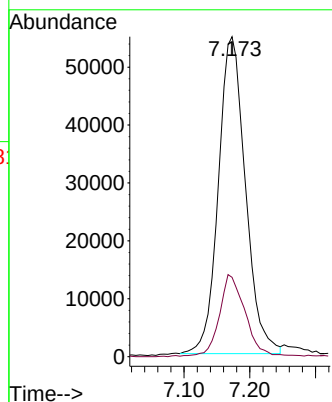
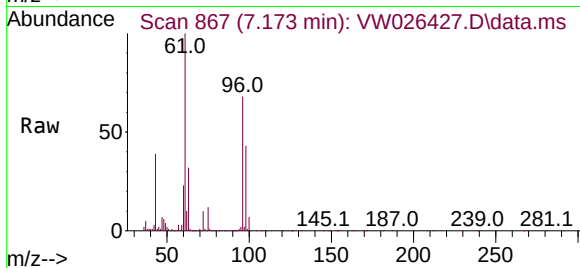




#22
2-Butanone
Concen: 32.309 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

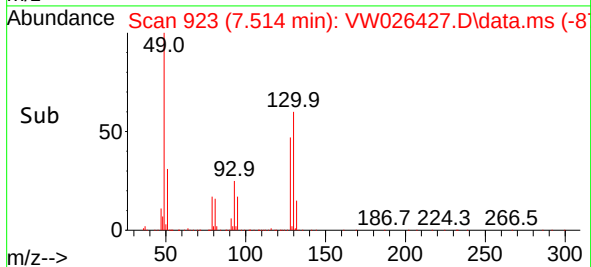
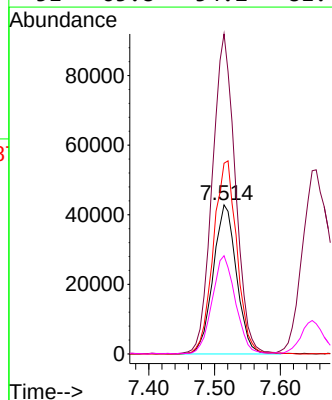
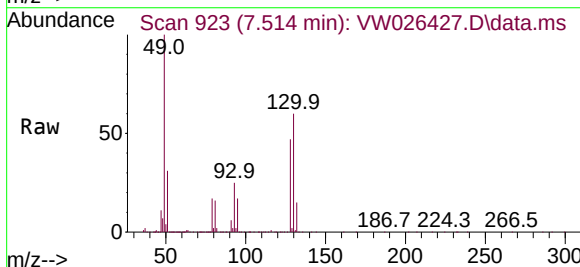
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

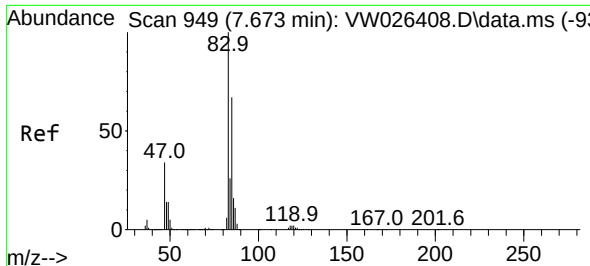
Tgt Ion: 43 Resp: 156817
Ion Ratio Lower Upper
43 100
72 24.0 11.8 35.3



#23
Bromochloromethane
Concen: 18.484 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion: 128 Resp: 105691
Ion Ratio Lower Upper
128 100
49 214.5 148.5 275.9
130 127.9 82.6 153.4
51 65.8 54.2 81.4

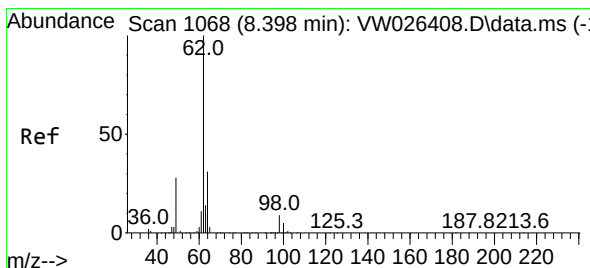
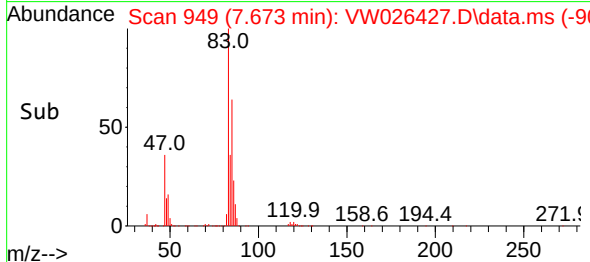
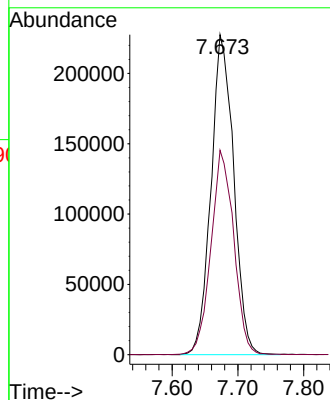
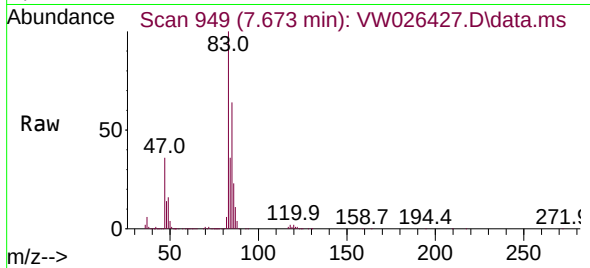




#25
Chloroform
Concen: 22.746 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

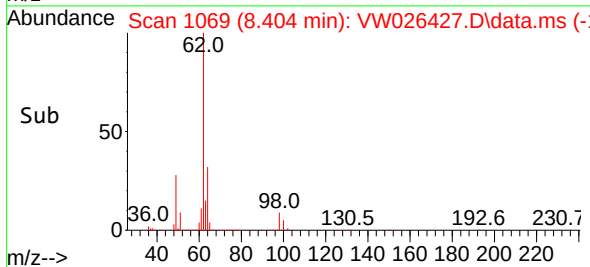
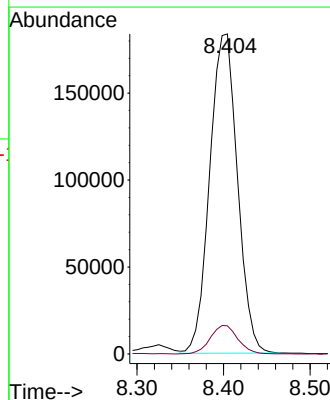
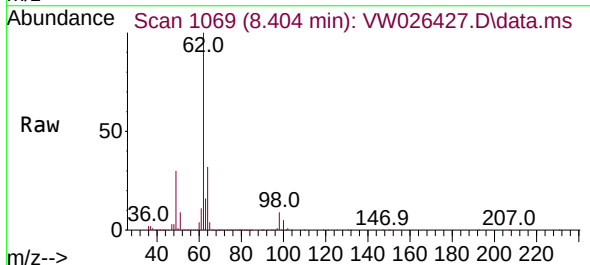
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

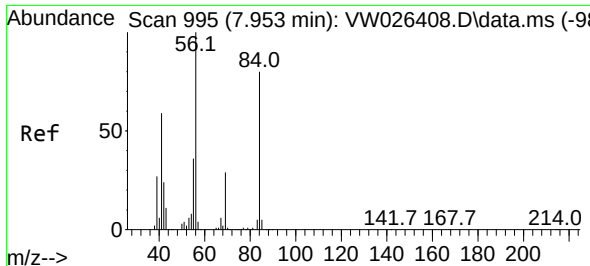
Tgt Ion: 83 Resp: 544626
Ion Ratio Lower Upper
83 100
85 63.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 23.752 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion: 62 Resp: 408890
Ion Ratio Lower Upper
62 100
98 8.8 7.5 11.3





#29

Cyclohexane

Concen: 26.410 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD025541

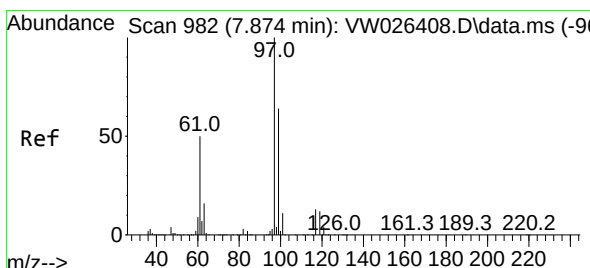
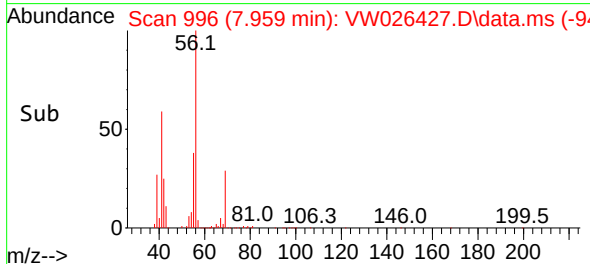
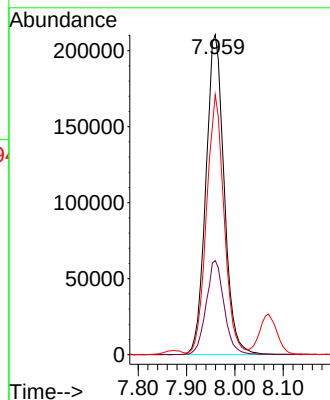
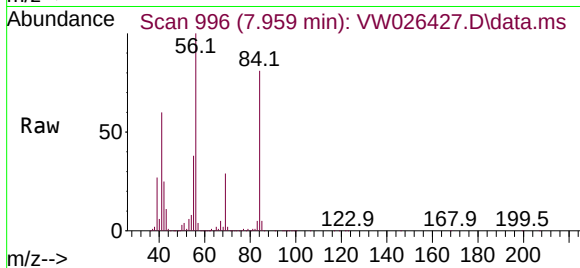
Tgt Ion: 56 Resp: 551847

Ion Ratio Lower Upper

56 100

69 29.0 23.0 34.4

84 78.5 63.4 95.0



#30

1,1,1-Trichloroethane

Concen: 24.805 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

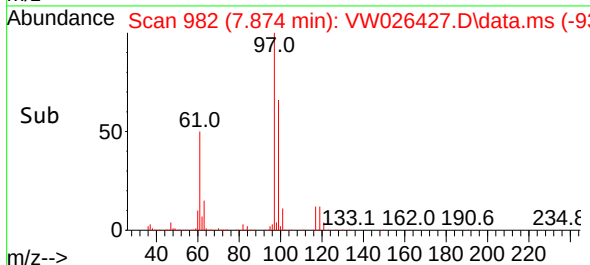
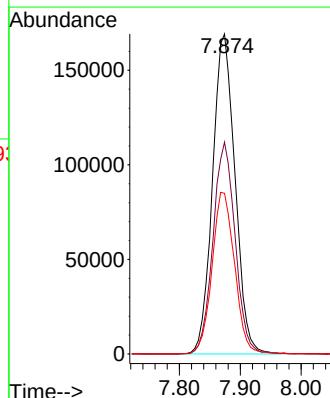
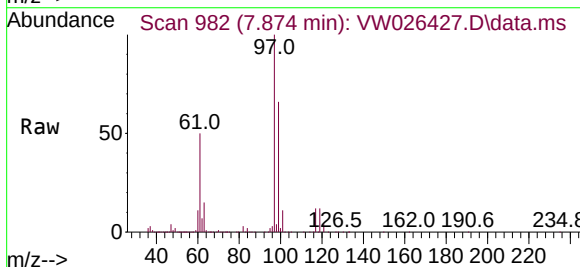
Tgt Ion: 97 Resp: 434214

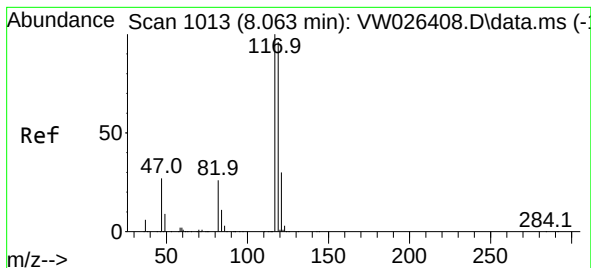
Ion Ratio Lower Upper

97 100

99 65.2 50.8 76.2

61 50.7 41.4 62.2





#31

Carbon tetrachloride

Concen: 24.511 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

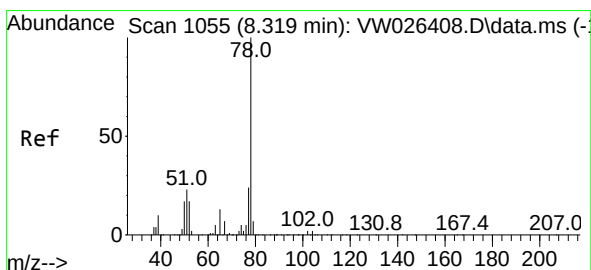
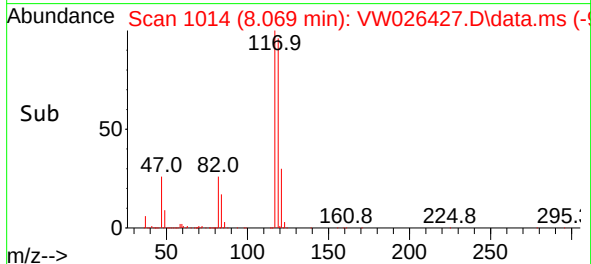
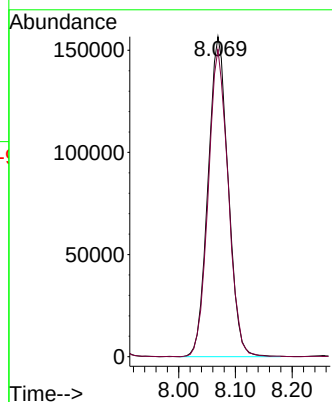
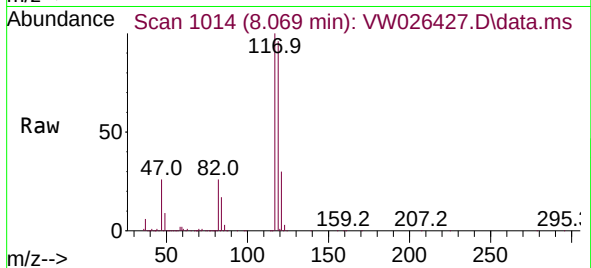
VSTD025541

Tgt Ion:117 Resp: 385702

Ion Ratio Lower Upper

117 100

119 95.4 77.7 116.5



#33

Benzene

Concen: 26.941 ug/L

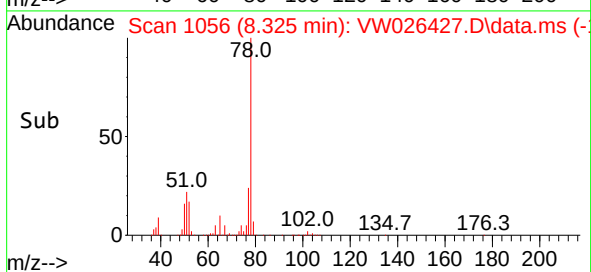
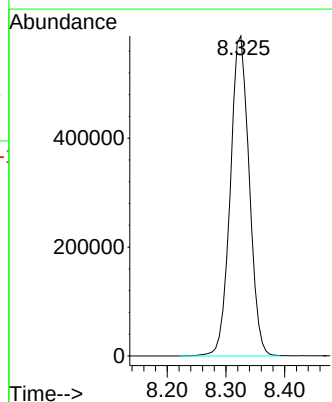
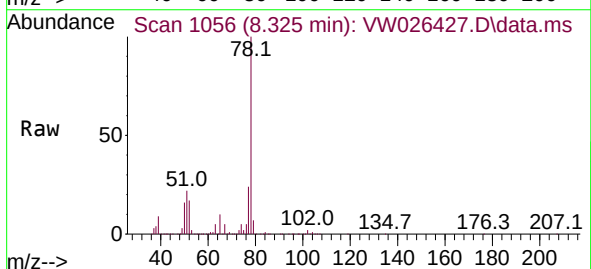
RT: 8.325 min Scan# 1056

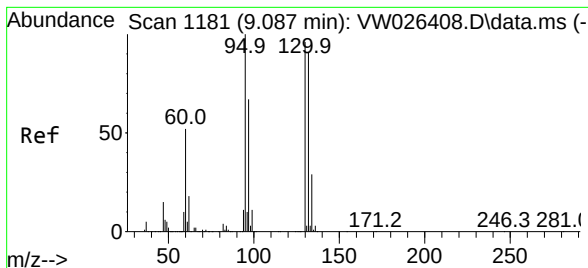
Delta R.T. 0.006 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Tgt Ion: 78 Resp: 1316807





#34

Trichloroethene

Concen: 25.832 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD025541

Tgt Ion: 95 Resp: 323274

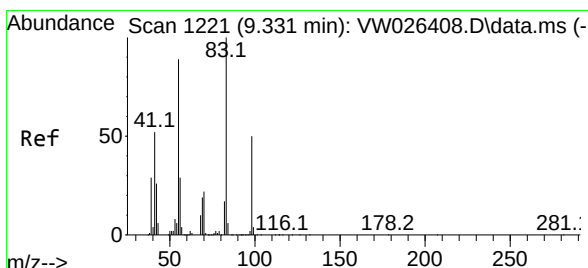
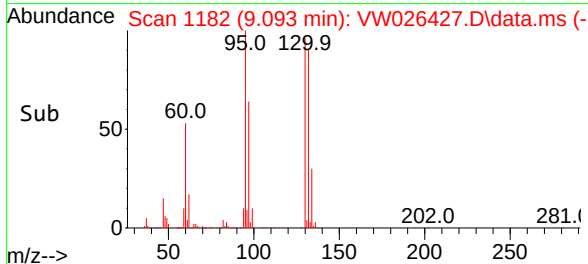
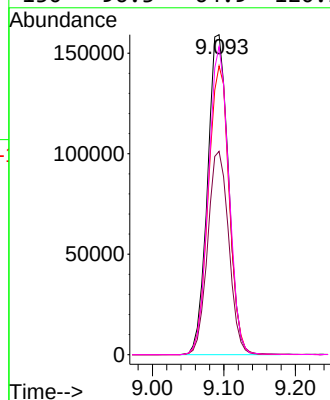
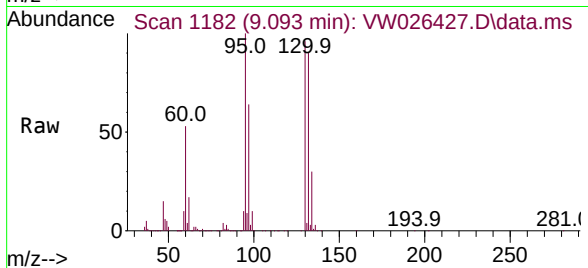
Ion Ratio Lower Upper

95 100

97 63.6 44.5 82.7

132 90.3 63.3 117.5

130 96.3 64.9 120.5



#35

Methylcyclohexane

Concen: 25.595 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

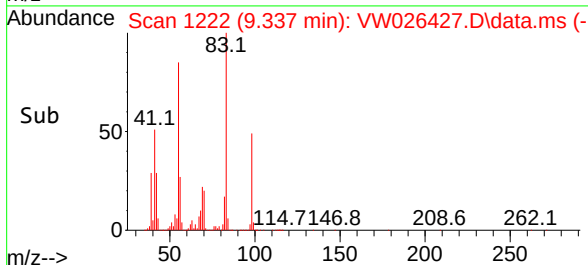
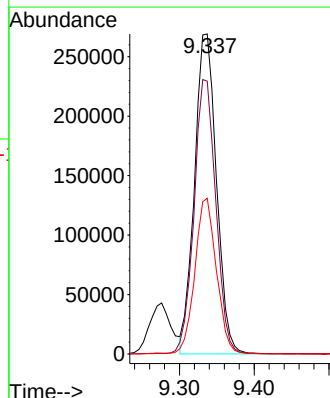
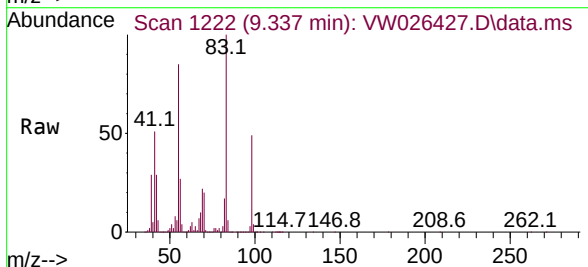
Tgt Ion: 83 Resp: 549296

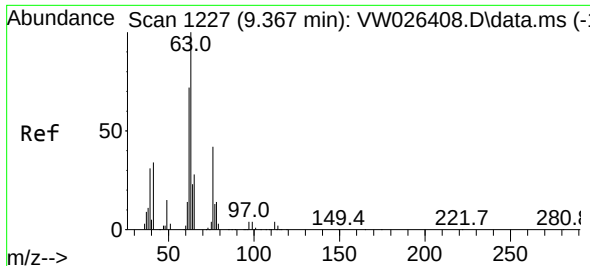
Ion Ratio Lower Upper

83 100

55 85.2 68.8 103.2

98 47.8 37.8 56.6





#37

1,2-Dichloropropane

Concen: 23.903 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

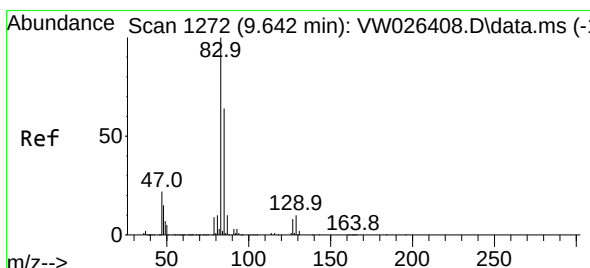
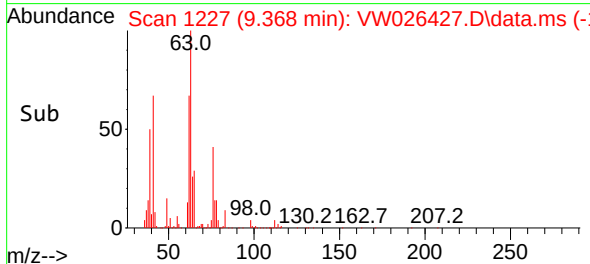
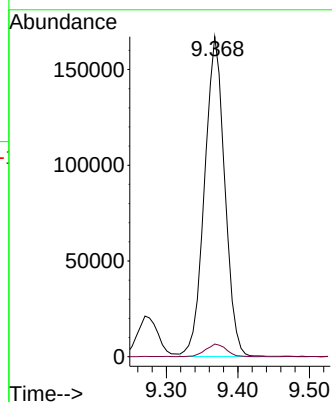
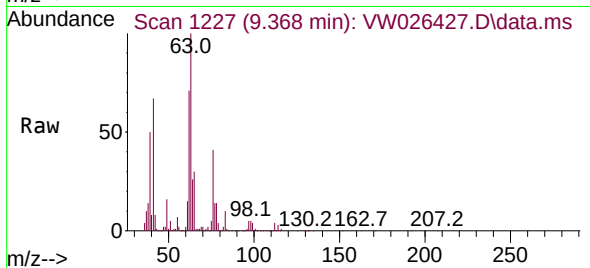
VSTD025541

Tgt Ion: 63 Resp: 326418

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.6



#38

Bromodichloromethane

Concen: 25.729 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

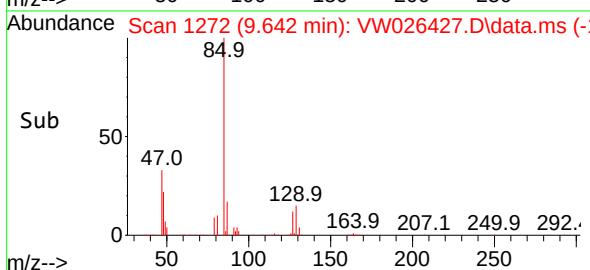
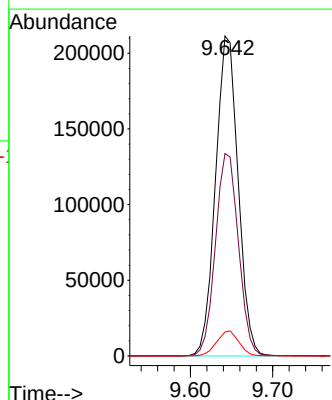
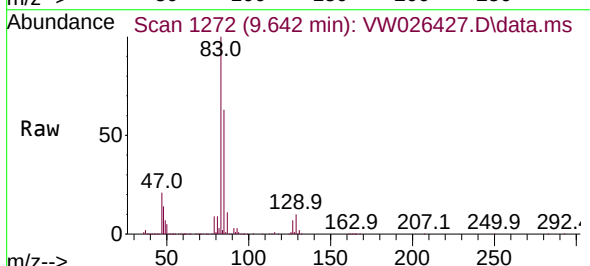
Tgt Ion: 83 Resp: 403488

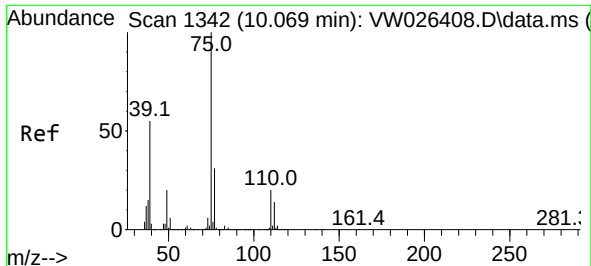
Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.5

127 7.5 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 25.324 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

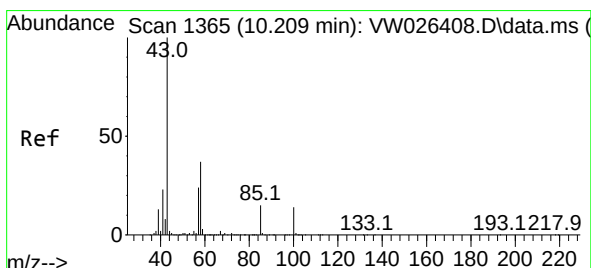
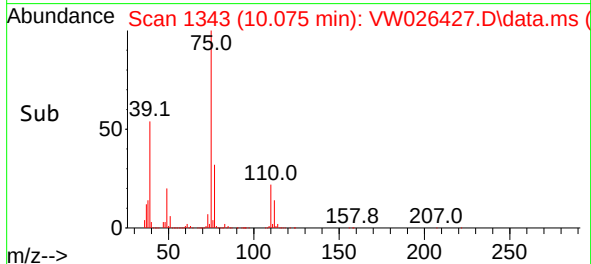
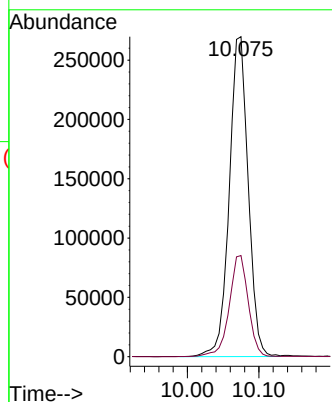
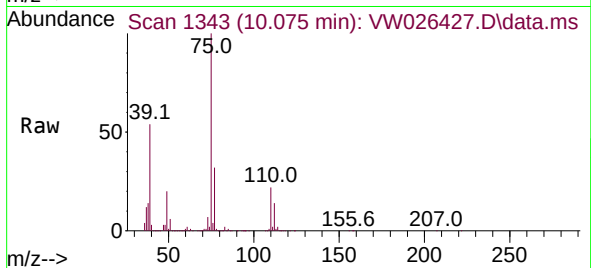
VSTD025541

Tgt Ion: 75 Resp: 495473

Ion Ratio Lower Upper

75 100

77 31.6 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 53.054 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

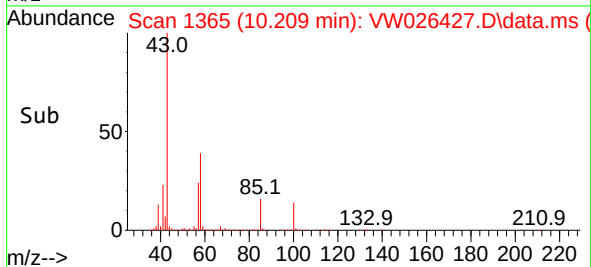
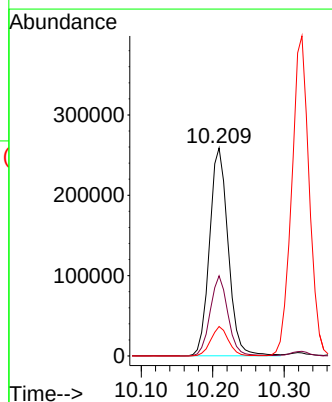
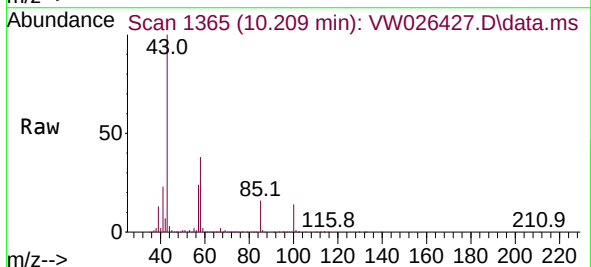
Tgt Ion: 43 Resp: 467648

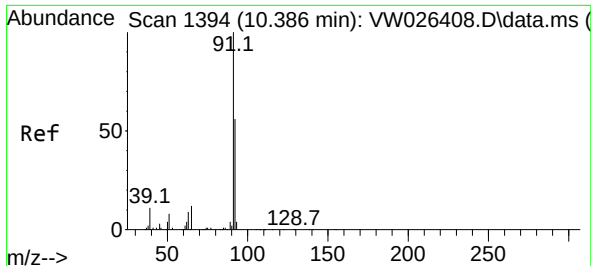
Ion Ratio Lower Upper

43 100

58 36.8 28.6 42.8

100 13.5 9.9 14.9

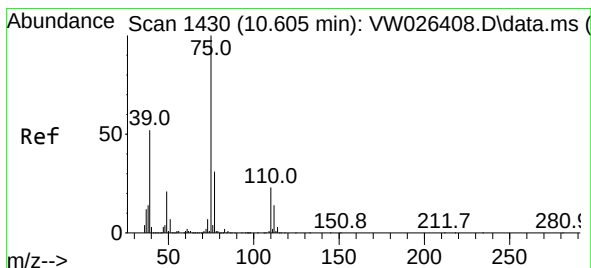
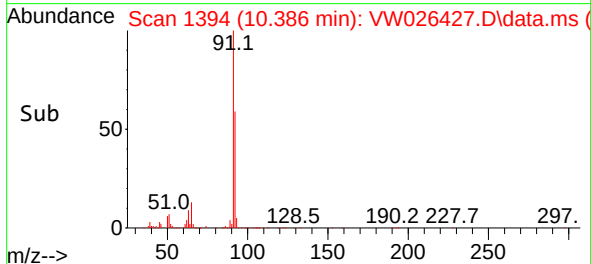
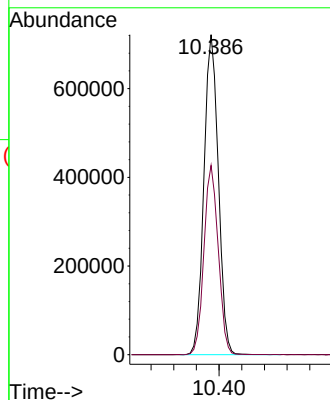
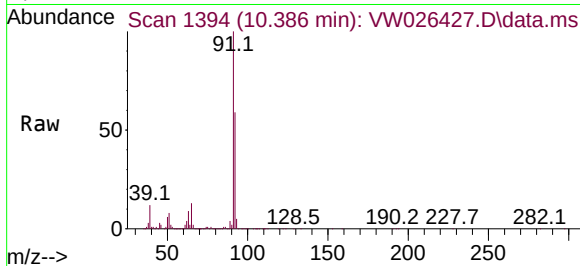




#42
Toluene
Concen: 25.921 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

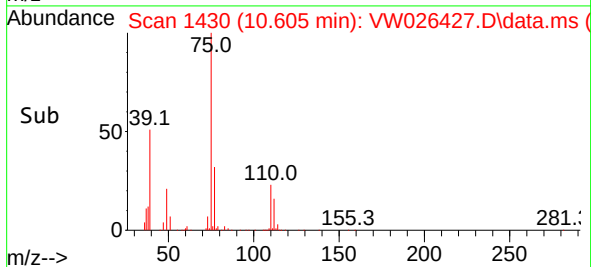
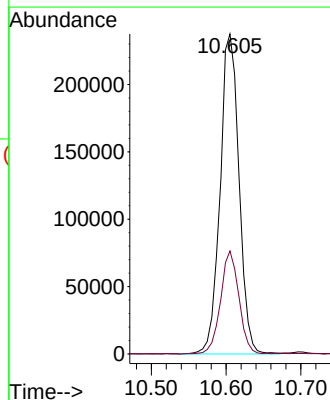
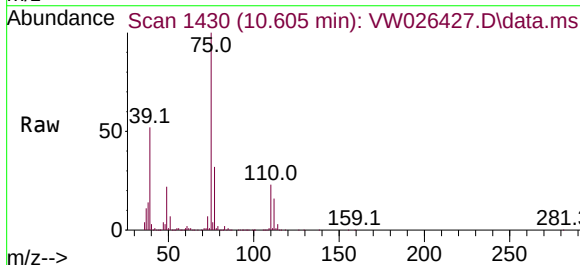
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

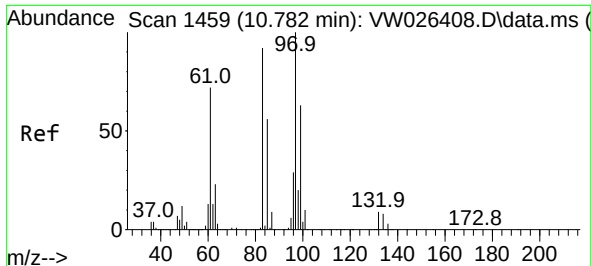
Tgt Ion: 91 Resp: 1271011
Ion Ratio Lower Upper
91 100
92 59.1 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 25.317 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion: 75 Resp: 418121
Ion Ratio Lower Upper
75 100
77 32.2 21.6 40.2



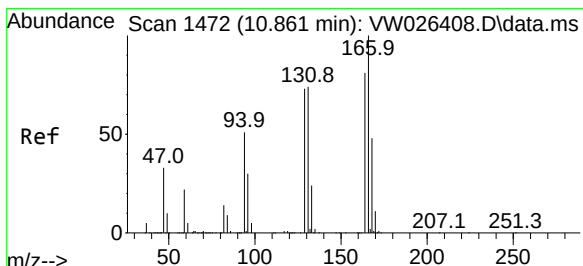
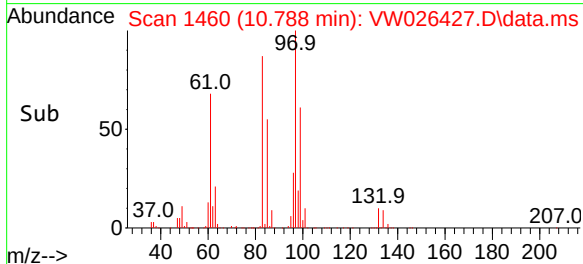
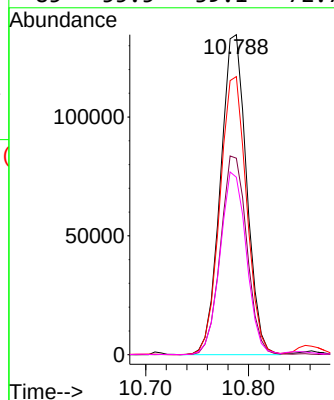
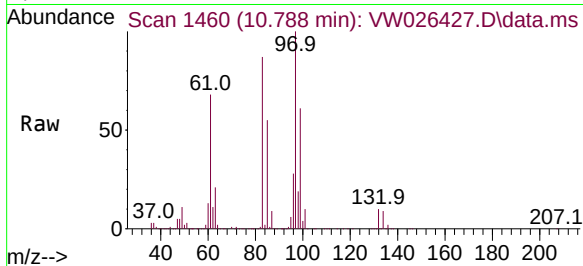


#45
1,1,2-Trichloroethane
Concen: 26.018 ug/L
RT: 10.788 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

Tgt Ion: 97 Resp: 237900

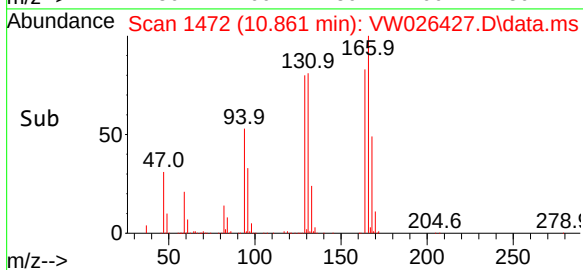
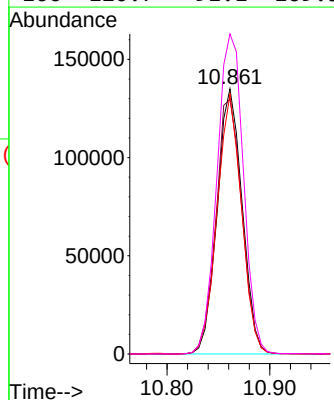
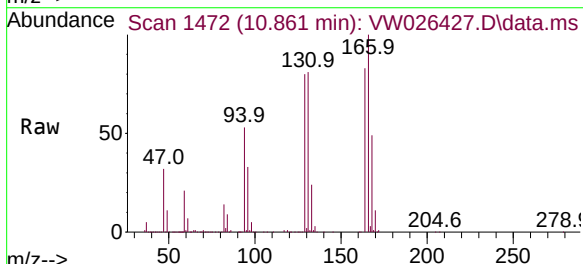
Ion	Ratio	Lower	Upper
97	100		
99	61.4	42.4	78.6
83	86.9	60.8	113.0
85	55.5	39.1	72.7

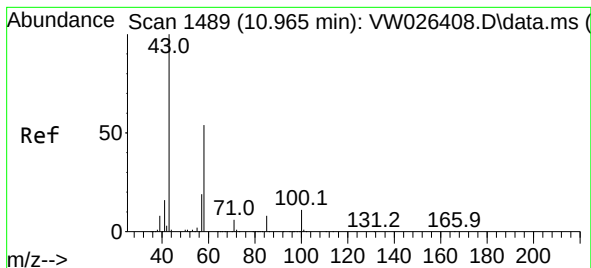


#46
Tetrachloroethene
Concen: 25.872 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion: 164 Resp: 228104

Ion	Ratio	Lower	Upper
164	100		
129	96.0	73.8	137.0
131	97.9	69.0	128.2
166	120.7	91.1	169.3





#48

2-Hexanone

Concen: 50.418 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD025541

Tgt Ion: 43 Resp: 313571

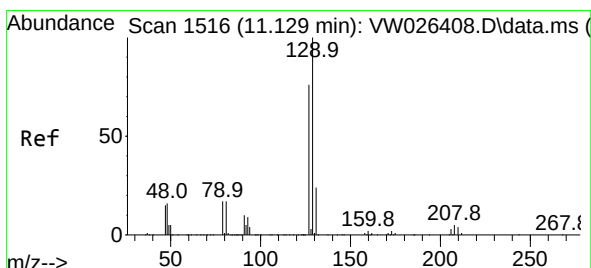
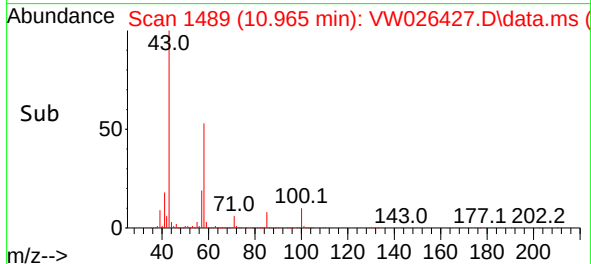
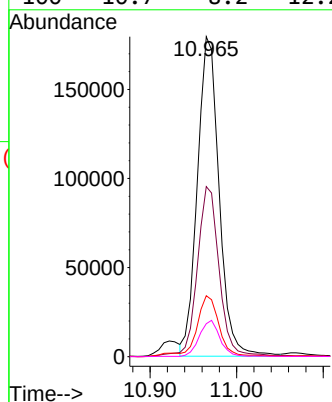
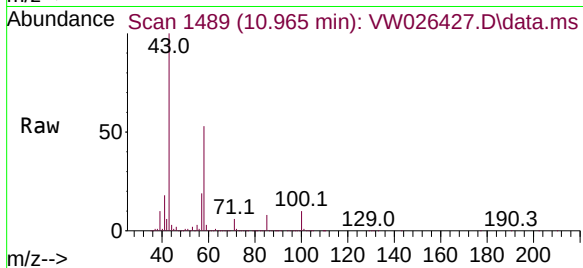
Ion Ratio Lower Upper

43 100

58 53.8 40.1 60.1

57 18.3 13.4 20.0

100 10.7 8.2 12.2



#49

Dibromochloromethane

Concen: 26.527 ug/L

RT: 11.130 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW026427.D

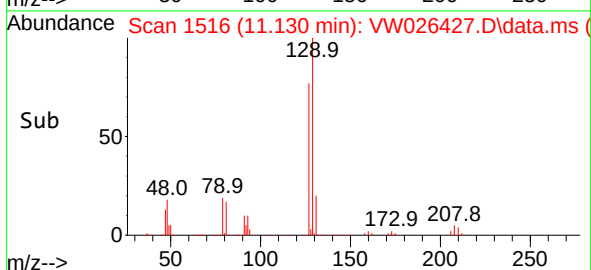
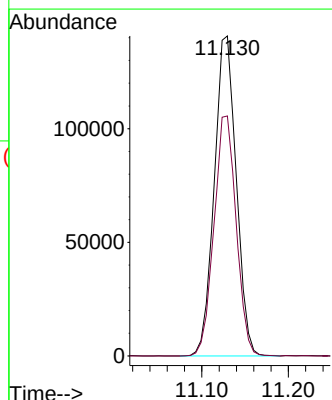
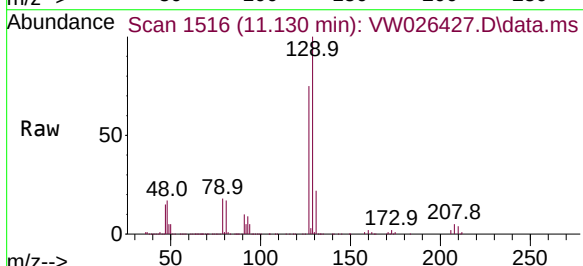
Acq: 29 Jun 2023 04:47

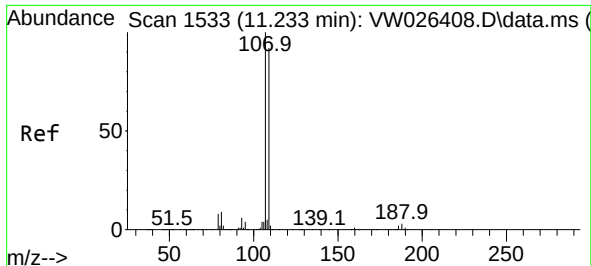
Tgt Ion: 129 Resp: 248357

Ion Ratio Lower Upper

129 100

127 75.0 54.4 101.0

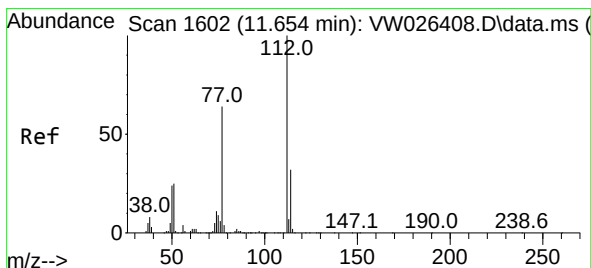
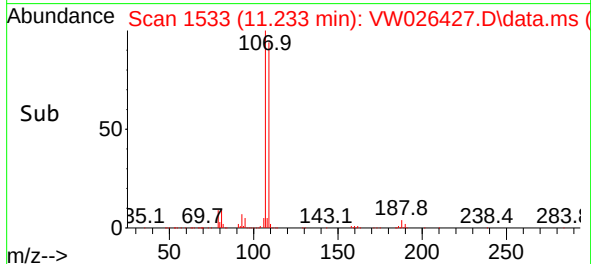
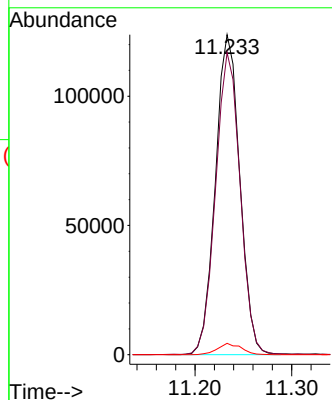
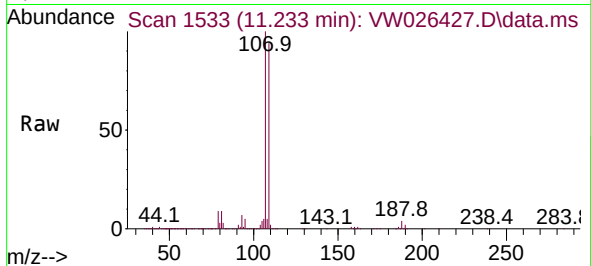




#50
1,2-Dibromoethane
Concen: 25.859 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

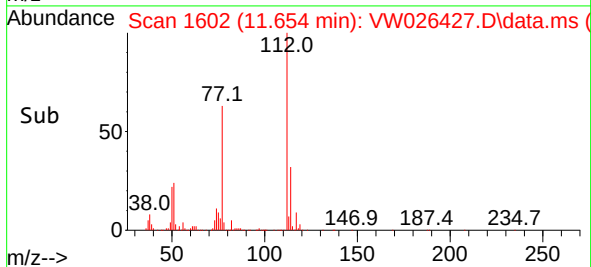
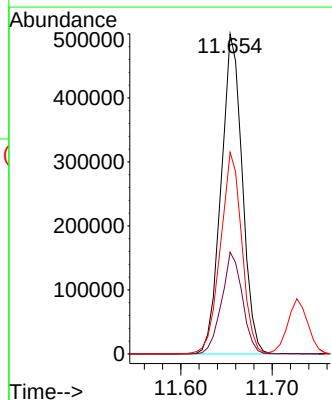
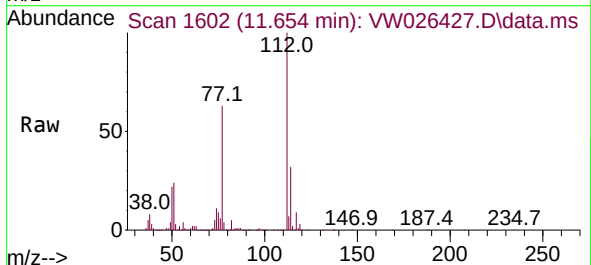
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

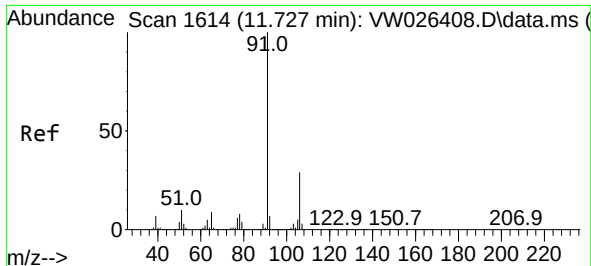
Tgt Ion:107 Resp: 217079
Ion Ratio Lower Upper
107 100
109 94.4 67.1 124.5
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 25.701 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion:112 Resp: 803824
Ion Ratio Lower Upper
112 100
114 31.8 23.0 42.8
77 63.0 53.2 79.8

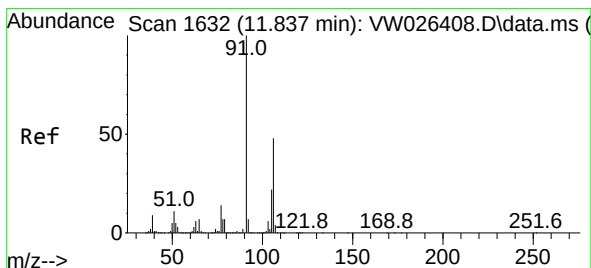
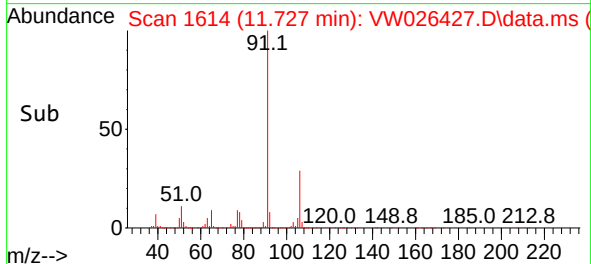
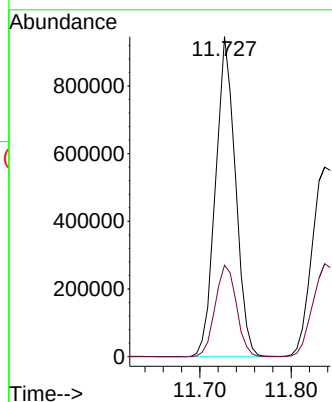
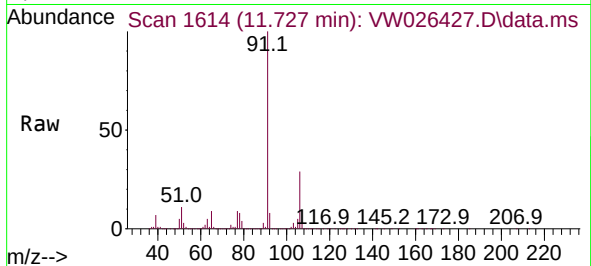




#52
Ethylbenzene
Concen: 25.919 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

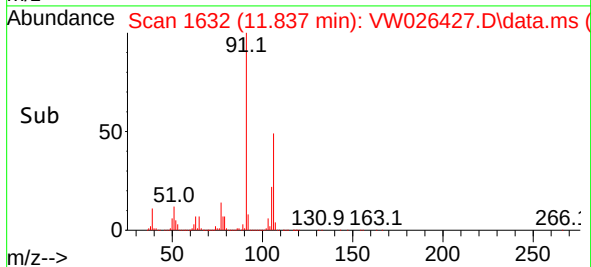
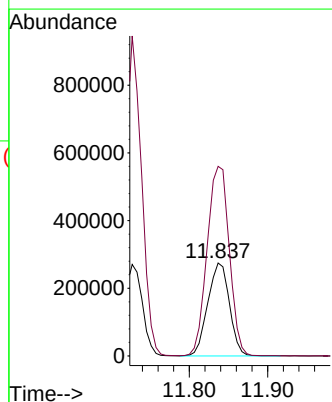
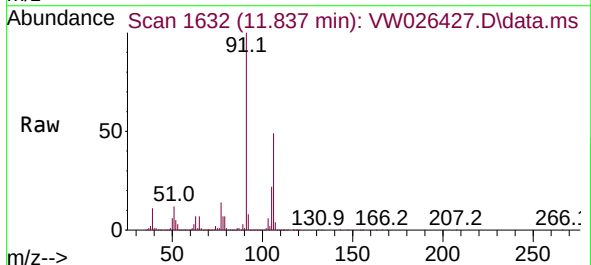
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

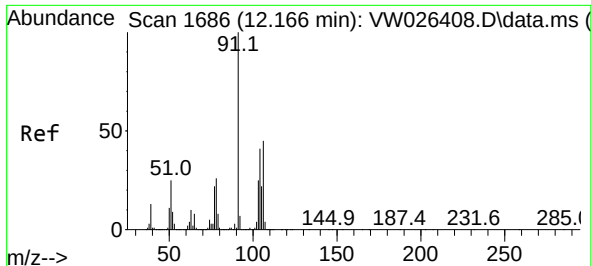
Tgt Ion: 91 Resp: 1432052
Ion Ratio Lower Upper
91 100
106 28.6 19.9 36.9



#53
m,p-Xylene
Concen: 26.066 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion:106 Resp: 525222
Ion Ratio Lower Upper
106 100
91 203.9 152.1 282.5

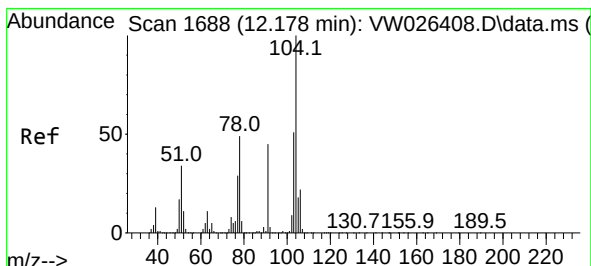
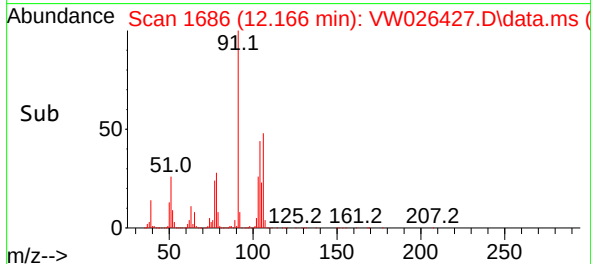
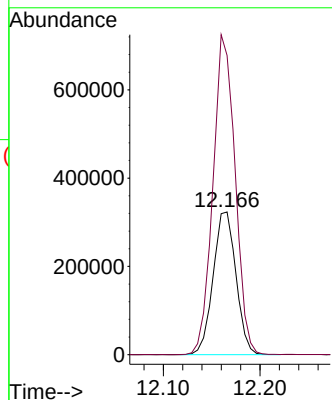
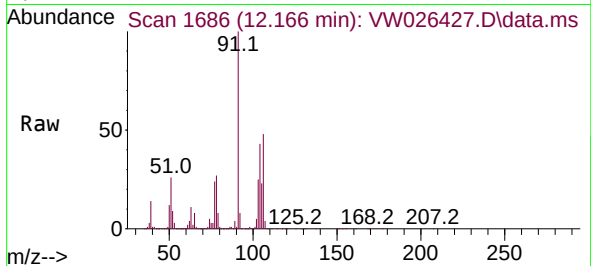




#54
o-Xylene
Concen: 27.968 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

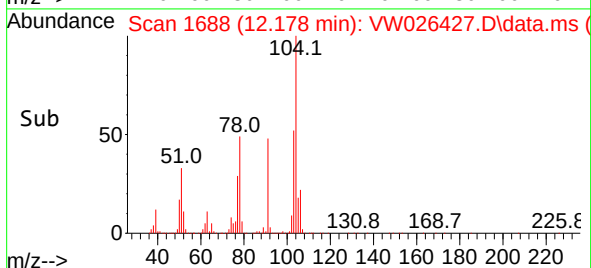
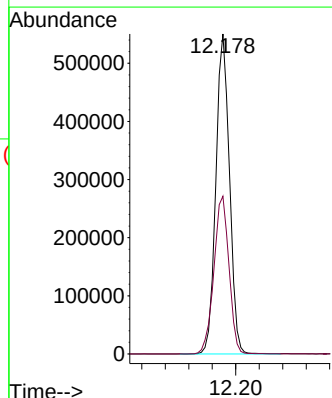
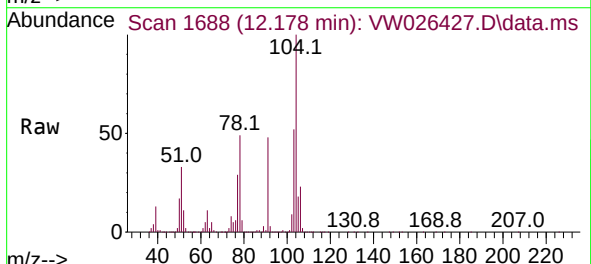
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

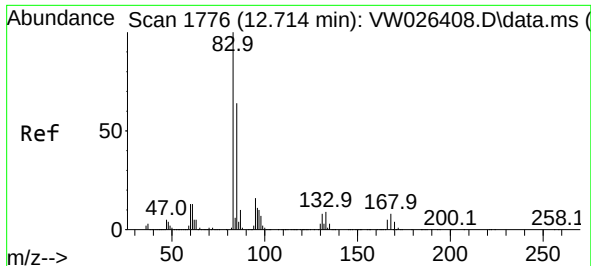
Tgt Ion:106 Resp: 530614
Ion Ratio Lower Upper
106 100
91 209.5 161.5 299.9



#55
Styrene
Concen: 26.760 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion:104 Resp: 885488
Ion Ratio Lower Upper
104 100
78 49.3 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 24.541 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD025541

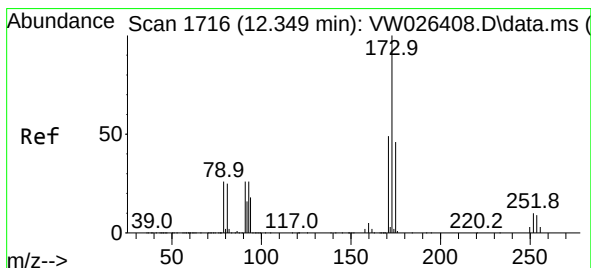
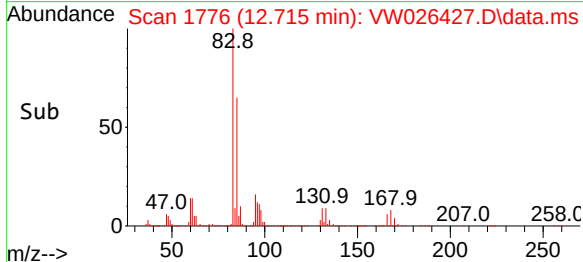
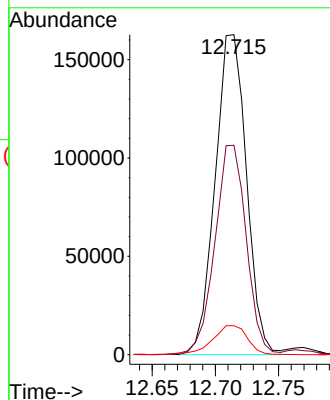
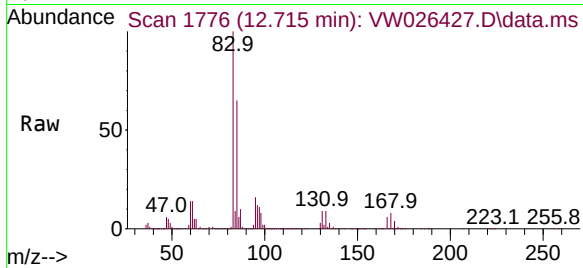
Tgt Ion: 83 Resp: 280477

Ion Ratio Lower Upper

83 100

85 65.5 43.7 81.1

131 9.1 7.4 11.0



#59

Bromoform

Concen: 23.110 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

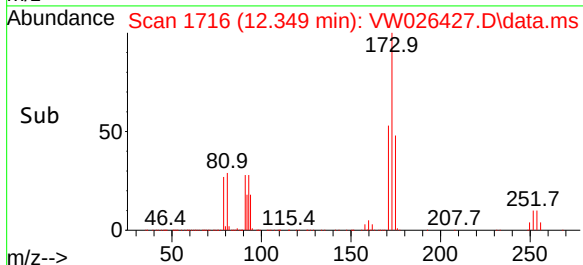
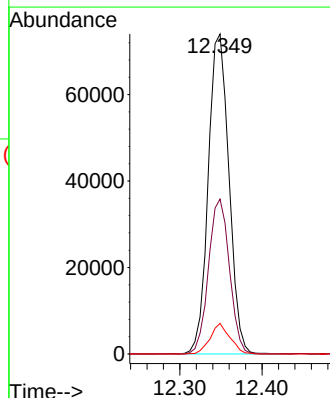
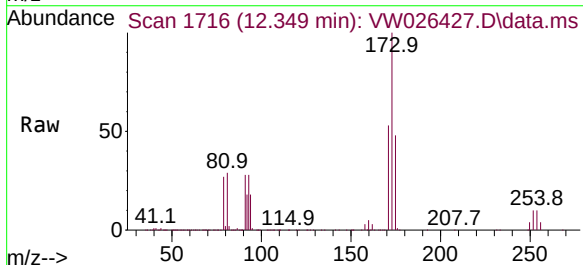
Tgt Ion:173 Resp: 129427

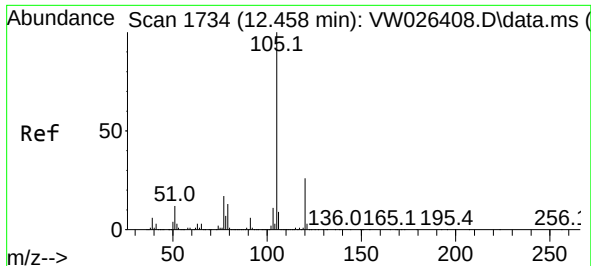
Ion Ratio Lower Upper

173 100

175 48.9 39.7 59.5

254 9.1 7.1 10.7

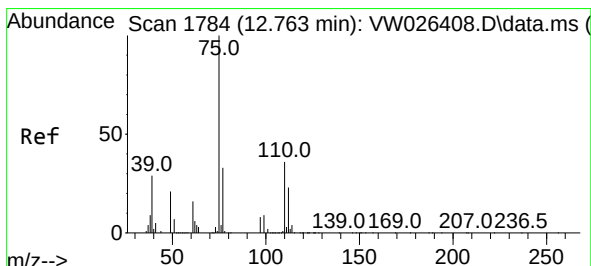
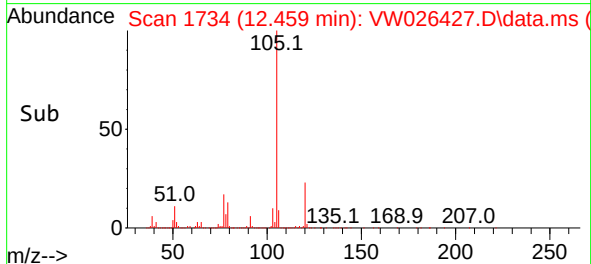
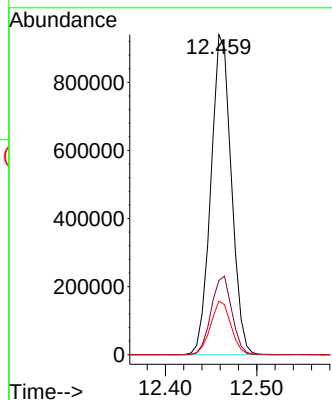
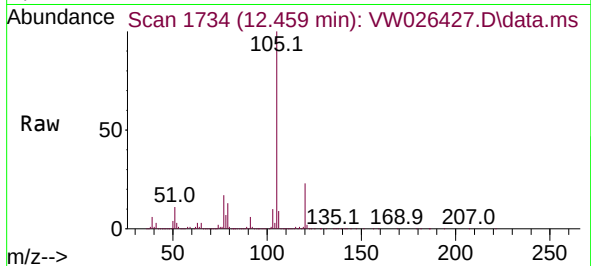




#60
Isopropylbenzene
Concen: 26.233 ug/L
RT: 12.459 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

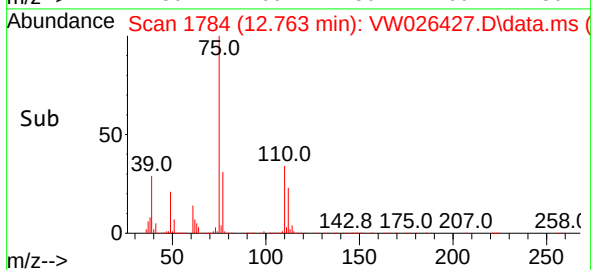
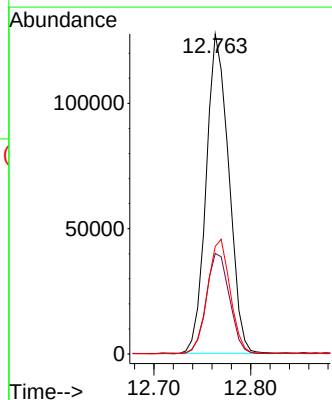
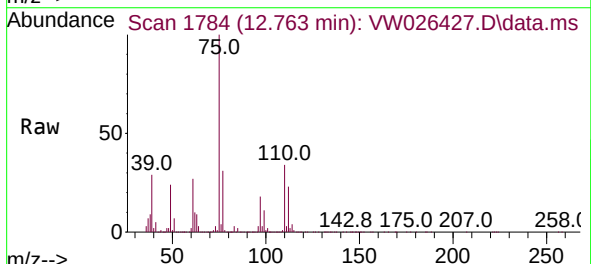
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

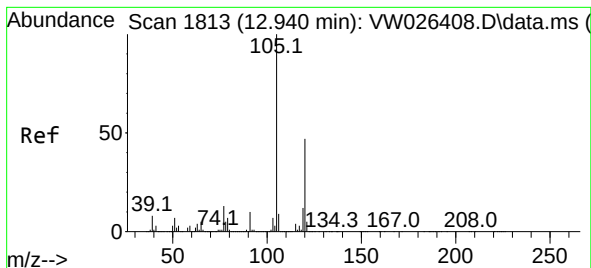
Tgt Ion:105 Resp: 1459615
Ion Ratio Lower Upper
105 100
120 24.8 20.4 30.6
77 16.6 13.6 20.4



#61
1,2,3-Trichloropropane
Concen: 23.058 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion: 75 Resp: 207501
Ion Ratio Lower Upper
75 100
77 32.3 25.9 38.9
110 35.8 29.4 44.0

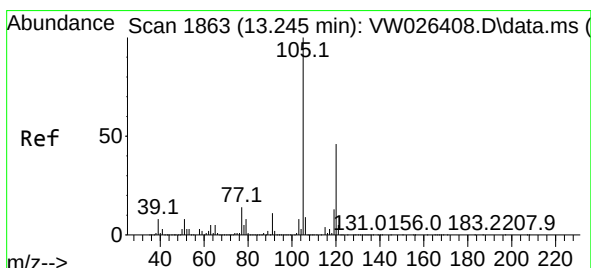
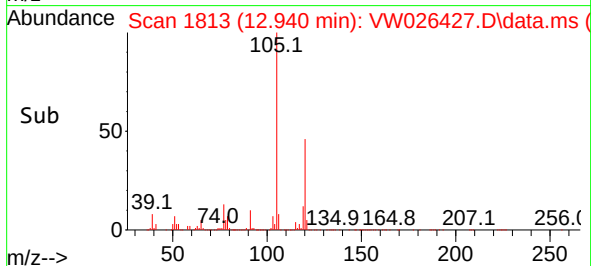
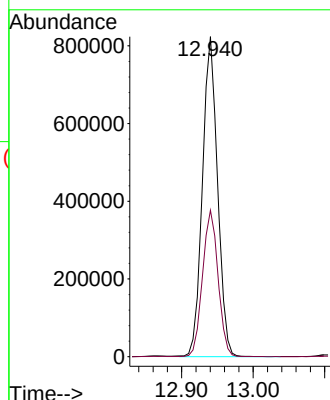
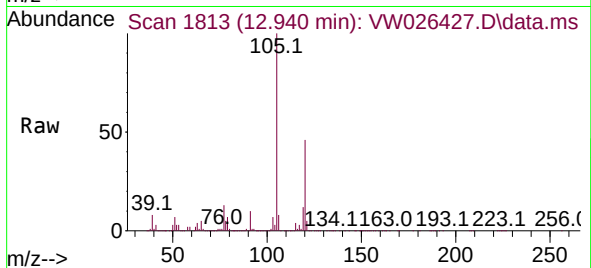




#62
1,3,5-Trimethylbenzene
Concen: 28.050 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

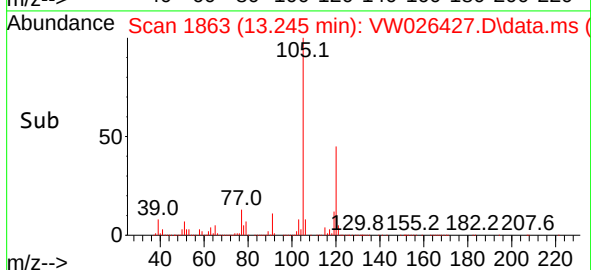
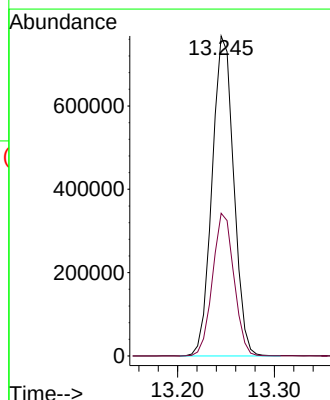
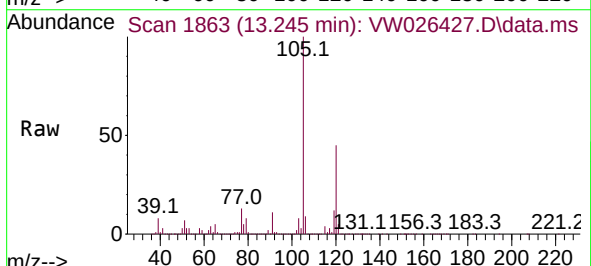
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

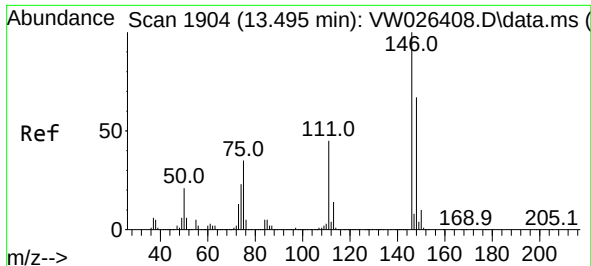
Tgt Ion:105 Resp: 1209843
Ion Ratio Lower Upper
105 100
120 46.8 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 28.664 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion:105 Resp: 1192430
Ion Ratio Lower Upper
105 100
120 44.2 35.0 52.6

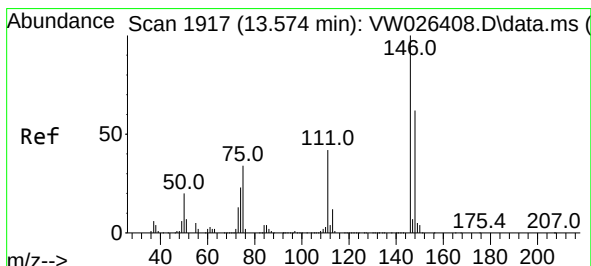
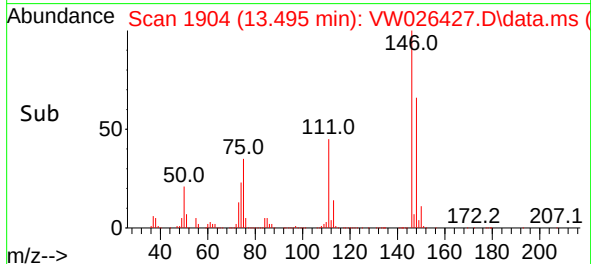
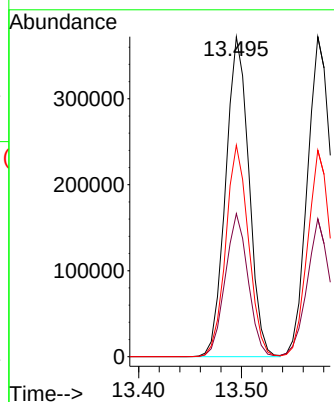
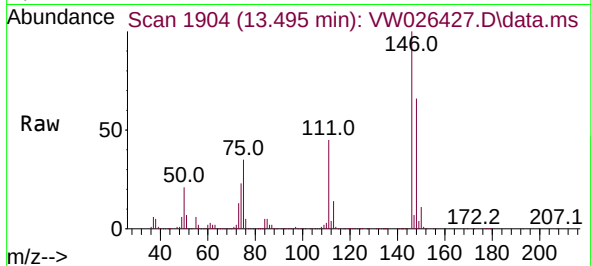




#64
1,3-Dichlorobenzene
Concen: 24.565 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

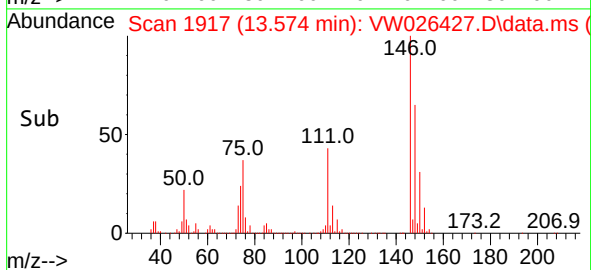
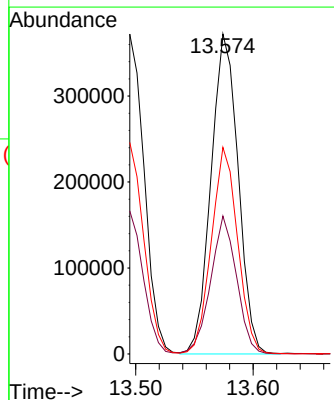
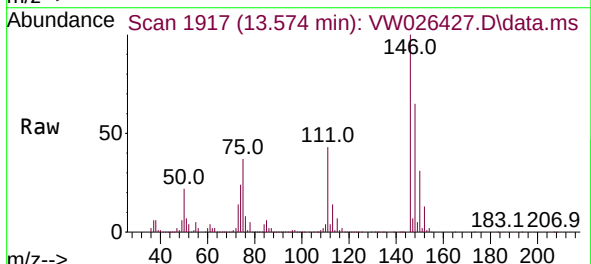
Instrument :
MSVOA_W
ClientSampleId :
VSTD025541

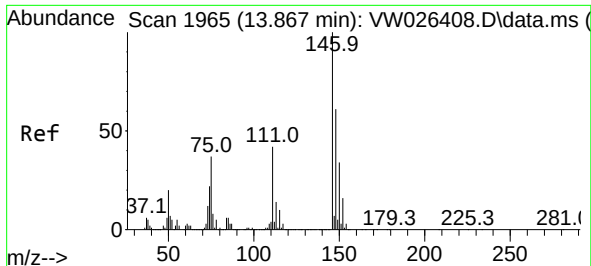
Tgt Ion:146 Resp: 585419
Ion Ratio Lower Upper
146 100
111 44.7 30.8 57.2
148 66.1 43.3 80.3



#65
1,4-Dichlorobenzene
Concen: 25.079 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026427.D
Acq: 29 Jun 2023 04:47

Tgt Ion:146 Resp: 598124
Ion Ratio Lower Upper
146 100
111 43.1 30.0 55.8
148 64.5 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 24.964 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD025541

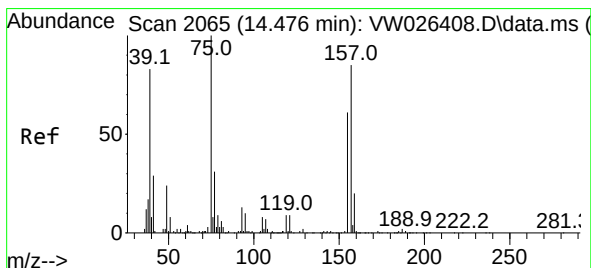
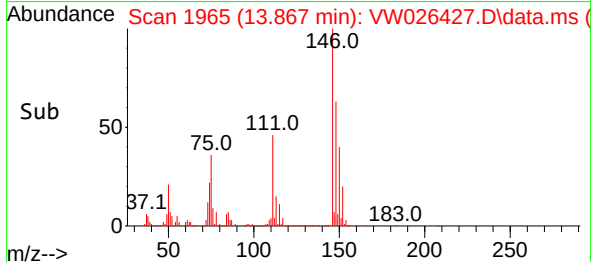
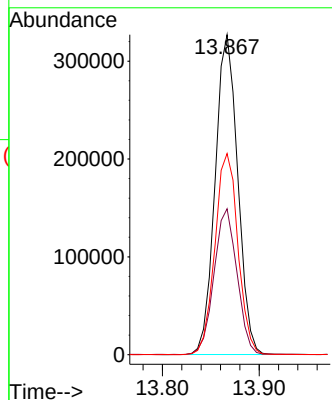
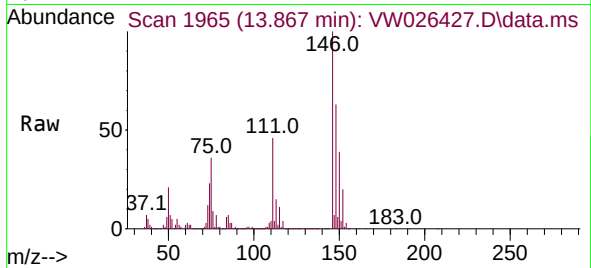
Tgt Ion:146 Resp: 529876

Ion Ratio Lower Upper

146 100

111 45.6 36.0 54.0

148 62.9 47.8 71.8



#68

1,2-Dibromo-3-chloropropane

Concen: 22.250 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

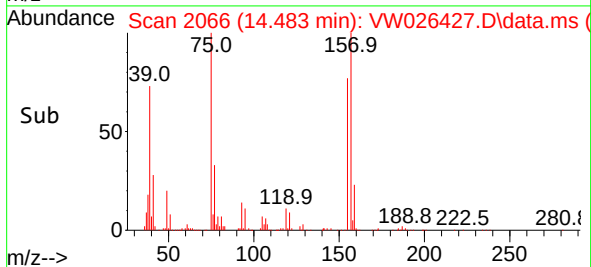
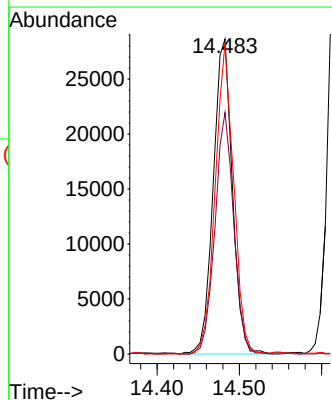
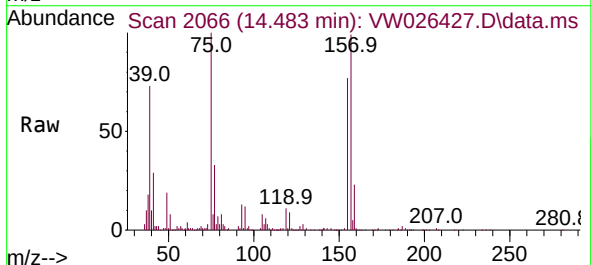
Tgt Ion: 75 Resp: 46150

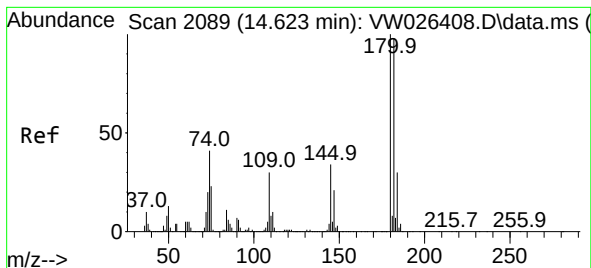
Ion Ratio Lower Upper

75 100

155 76.6 57.5 86.3

157 98.6 73.4 110.0





#69

1,3,5-Trichlorobenzene

Concen: 25.420 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD025541

Tgt Ion:180 Resp: 389280

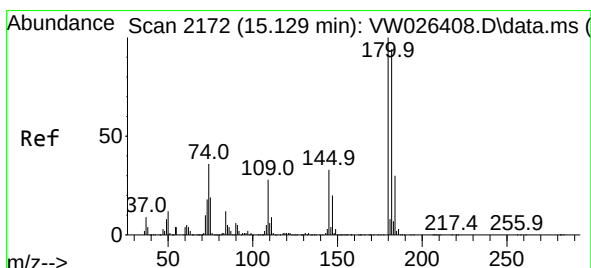
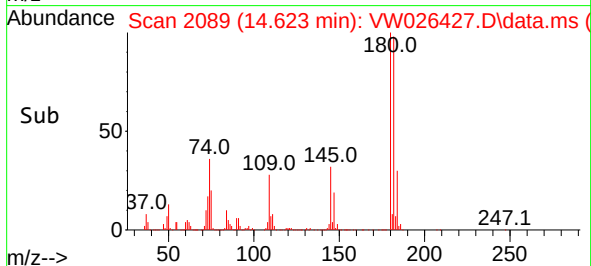
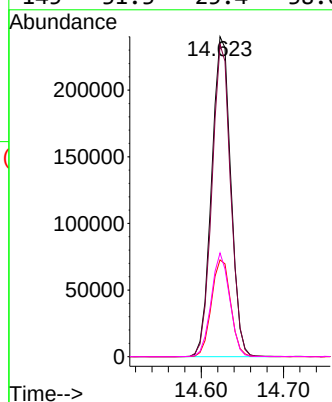
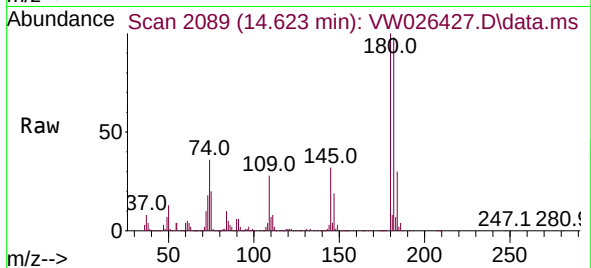
Ion Ratio Lower Upper

180 100

182 94.7 74.2 111.4

184 30.3 23.8 35.6

145 31.3 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 26.475 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

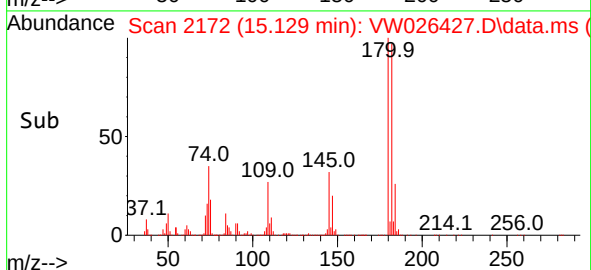
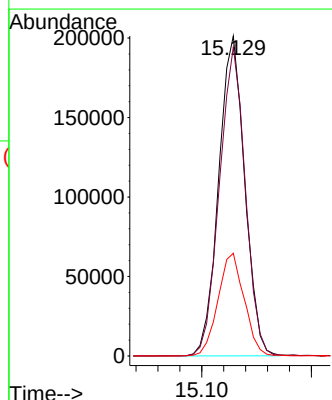
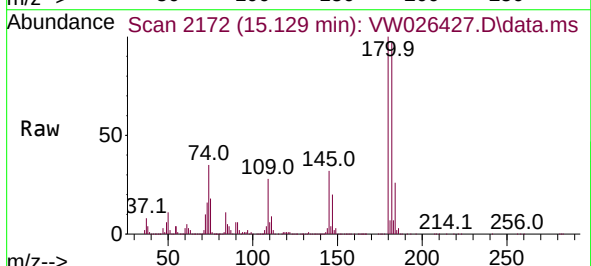
Tgt Ion:180 Resp: 331794

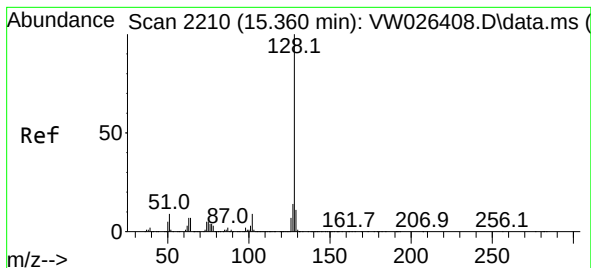
Ion Ratio Lower Upper

180 100

182 95.7 75.6 113.4

145 32.3 24.7 37.1





#71

Naphthalene

Concen: 29.956 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD025541

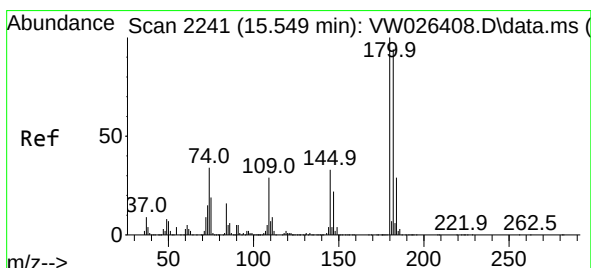
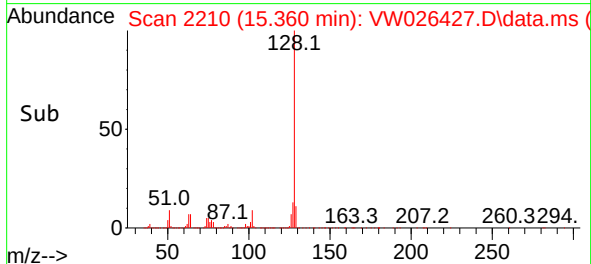
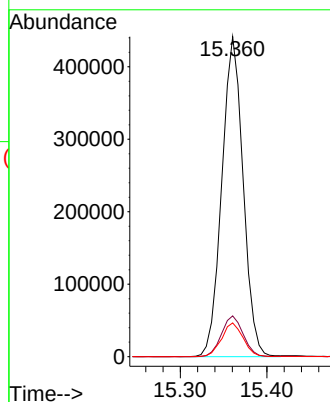
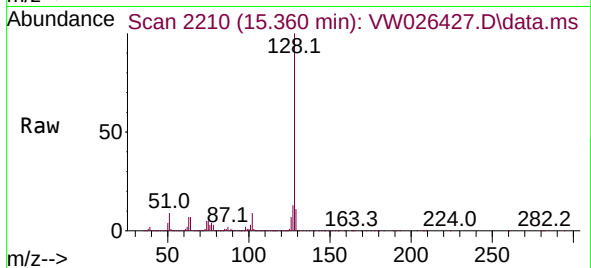
Tgt Ion:128 Resp: 754682

Ion Ratio Lower Upper

128 100

127 13.0 10.9 16.3

129 10.7 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 24.816 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026427.D

Acq: 29 Jun 2023 04:47

Tgt Ion:180 Resp: 290369

Ion Ratio Lower Upper

180 100

182 94.0 75.0 112.6

145 34.6 28.5 42.7

