

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032123\
 Data File : VW025474.D
 Acq On : 21 Mar 2023 17:28
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025555

Quant Time: Mar 22 01:36:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM030623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Mar 22 01:30:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	700218	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	636789	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	316435	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	210183	18.053	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.200%
7) Chloroethane-d5	2.899	69	170606	20.365	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.480%
11) 1,1-Dichloroethene-d2	4.033	63	468277	20.824	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.280%
21) 2-Butanone-d5	7.075	46	147779	51.712	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.420%
24) Chloroform-d	7.648	84	488976	24.223	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.880%
26) 1,2-Dichloroethane-d4	8.301	65	260785	24.069	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.280%
32) Benzene-d6	8.270	84	971938	22.338	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.360%
36) 1,2-Dichloropropane-d6	9.270	67	312817	23.239	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.960%
41) Toluene-d8	10.319	98	848693	22.123	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.480%
43) trans-1,3-Dichloroprop...	10.575	79	118473	22.103	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.400%
47) 2-Hexanone-d5	10.922	63	98558	50.918	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.840%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	239998	24.337	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.360%
66) 1,2-Dichlorobenzene-d4	13.849	152	267729	22.752	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	157724	19.710	ug/L	93
3) Chloromethane	2.223	50	248825	26.145	ug/L	100
5) Vinyl chloride	2.375	62	251928	23.430	ug/L	98
6) Bromomethane	2.790	94	142981	24.942	ug/L	98
8) Chloroethane	2.936	64	153244	24.797	ug/L	98
9) Trichlorofluoromethane	3.265	101	180896	19.437	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	107094	11.866	ug/L #	23
12) 1,1-Dichloroethene	4.052	96	212579	24.345	ug/L	91
13) Acetone	4.119	43	105463	38.390	ug/L	100
14) Carbon disulfide	4.393	76	670992	24.715	ug/L	100
15) Methyl Acetate	4.667	43	127393	24.719	ug/L	98
16) Methylene chloride	4.923	84	243770	25.001	ug/L	91
17) trans-1,2-Dichloroethene	5.423	96	237368	25.932	ug/L	91
18) Methyl tert-butyl Ether	5.423	73	355982	25.832	ug/L	98
19) 1,1-Dichloroethane	6.216	63	501711	26.468	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	264521	26.394	ug/L	96
22) 2-Butanone	7.167	43	165587	46.595	ug/L	98
23) Bromochloromethane	7.514	128	107019	24.832	ug/L	93
25) Chloroform	7.673	83	468535	26.294	ug/L	99

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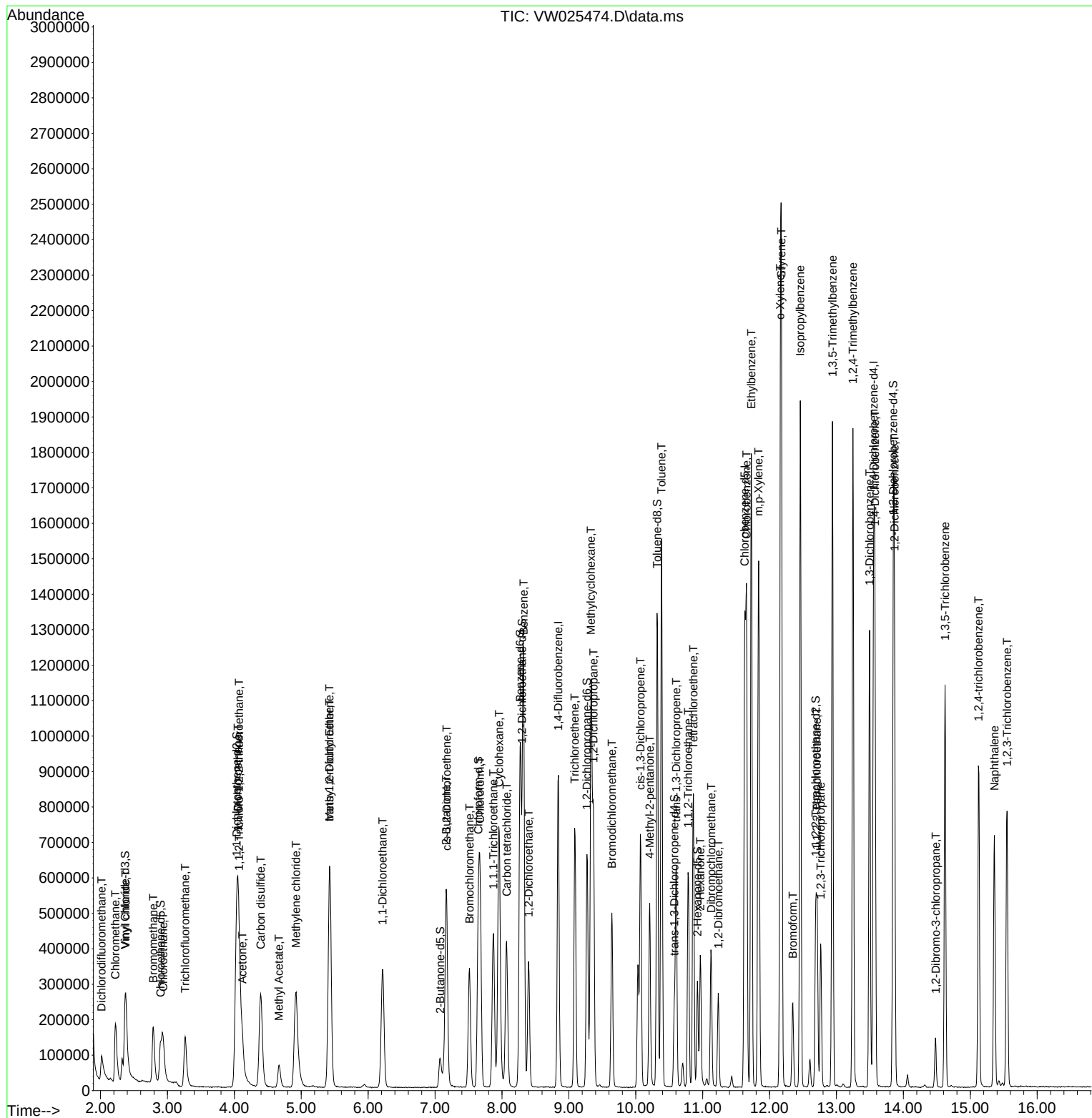
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	317295	26.682	ug/L	100
29) Cyclohexane	7.959	56	441235	24.547	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	350740	23.170	ug/L	97
31) Carbon tetrachloride	8.069	117	316448	23.321	ug/L	100
33) Benzene	8.325	78	1052073	25.841	ug/L	100
34) Trichloroethene	9.087	95	262330	24.550	ug/L	96
35) Methylcyclohexane	9.331	83	446633	24.264	ug/L	99
37) 1,2-Dichloropropane	9.368	63	286640	25.577	ug/L	100
38) Bromodichloromethane	9.642	83	330541	25.291	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	410630	25.434	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	361206	53.627	ug/L	99
42) Toluene	10.386	91	1087466	25.870	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	332415	24.586	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	188516	25.049	ug/L	98
46) Tetrachloroethene	10.861	164	174308	22.926	ug/L	92
48) 2-Hexanone	10.965	43	240630	49.656	ug/L	97
49) Dibromochloromethane	11.130	129	194851	24.231	ug/L	99
50) 1,2-Dibromoethane	11.233	107	172869	24.815	ug/L	98
51) Chlorobenzene	11.654	112	666119	24.968	ug/L	97
52) Ethylbenzene	11.727	91	1213889	25.320	ug/L	98
53) m,p-Xylene	11.837	106	450509	25.478	ug/L	98
54) o-Xylene	12.160	106	427767	25.708	ug/L	98
55) Styrene	12.178	104	748693	26.349	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.709	83	228788	24.439	ug/L	96
59) Bromoform	12.349	173	107046	23.447	ug/L	99
60) Isopropylbenzene	12.459	105	1177886	24.970	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	168513	24.442	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	963235	25.783	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	959118	26.060	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	474133	23.721	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	484324	23.622	ug/L	89
67) 1,2-Dichlorobenzene	13.867	146	433899	24.203	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.483	75	36519	22.881	ug/L	99
69) 1,3,5-Trichlorobenzene	14.623	180	325802	23.978	ug/L	97
70) 1,2,4-trichlorobenzene	15.123	180	266092	23.620	ug/L	98
71) Naphthalene	15.360	128	572785	25.757	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	243981	24.112	ug/L	99

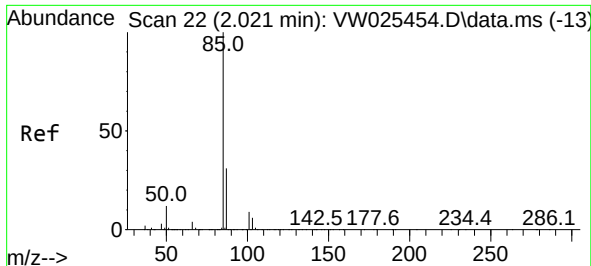
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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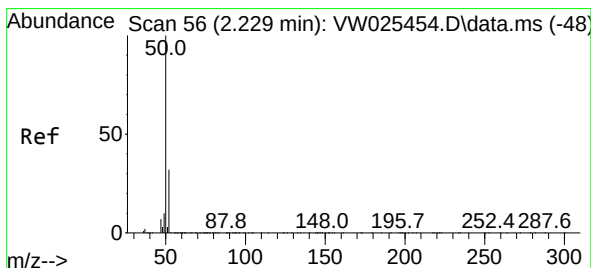
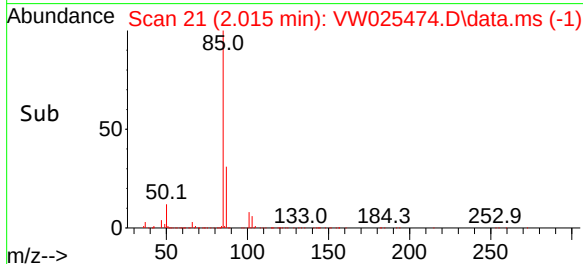
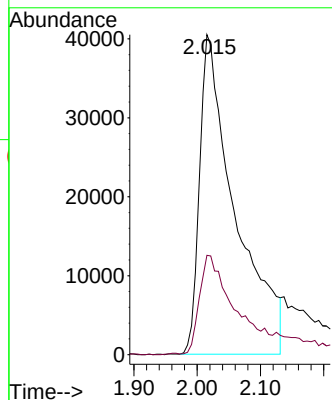
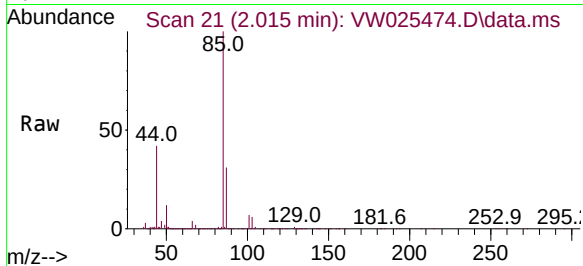




#2
 Dichlorodifluoromethane
 Concen: 19.710 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW025474.D
 Acq: 21 Mar 2023 17:28

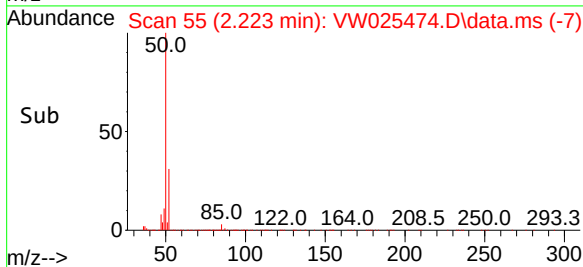
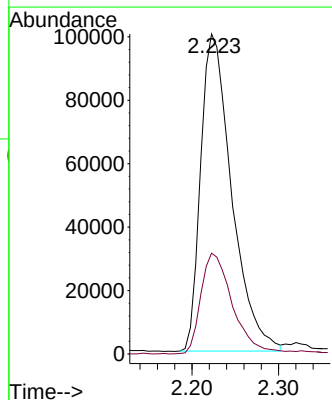
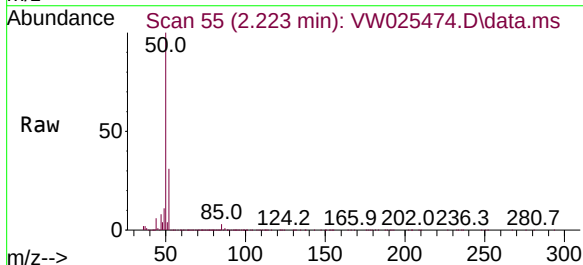
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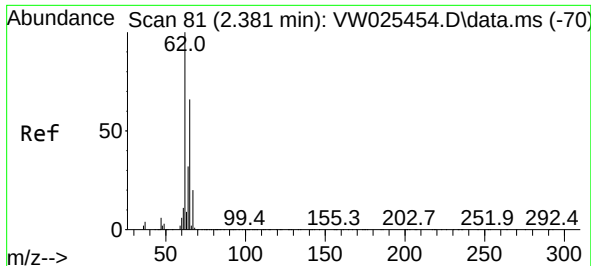
Tgt Ion: 85 Resp: 157724
 Ion Ratio Lower Upper
 85 100
 87 29.0 20.5 30.7



#3
 Chloromethane
 Concen: 26.145 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW025474.D
 Acq: 21 Mar 2023 17:28

Tgt Ion: 50 Resp: 248825
 Ion Ratio Lower Upper
 50 100
 52 31.5 21.9 40.7

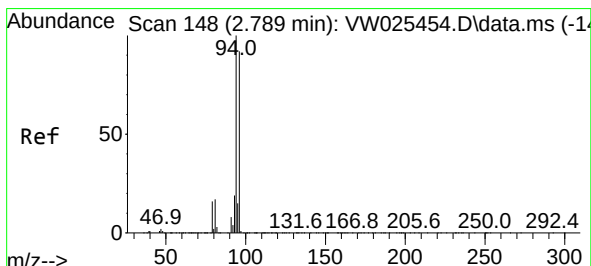
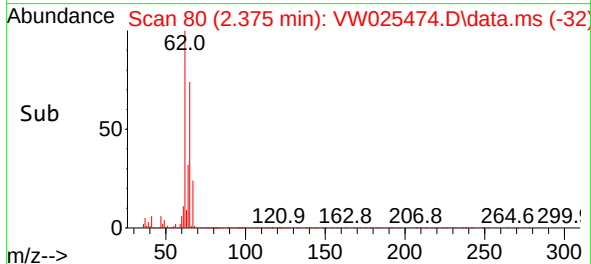
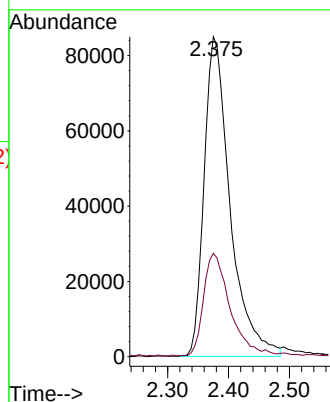
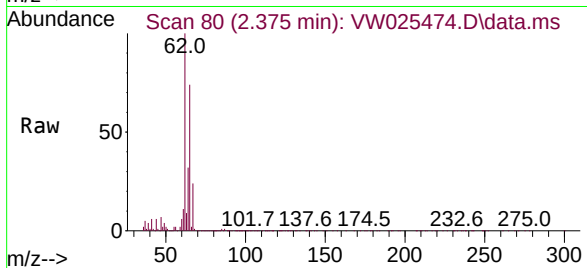




#5
 Vinyl chloride
 Concen: 23.430 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VW025474.D
 Acq: 21 Mar 2023 17:28

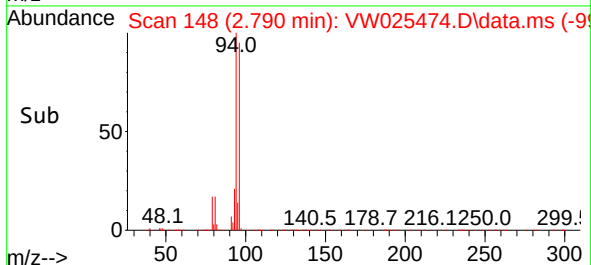
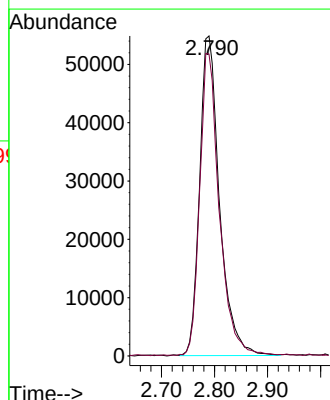
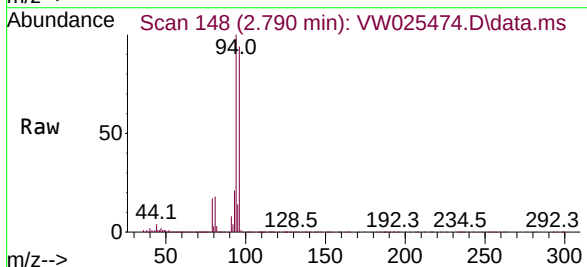
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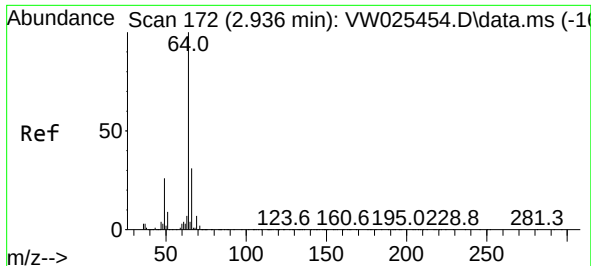
Tgt Ion: 62 Resp: 251928
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.4 43.6



#6
 Bromomethane
 Concen: 24.942 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW025474.D
 Acq: 21 Mar 2023 17:28

Tgt Ion: 94 Resp: 142981
 Ion Ratio Lower Upper
 94 100
 96 94.4 64.5 119.9

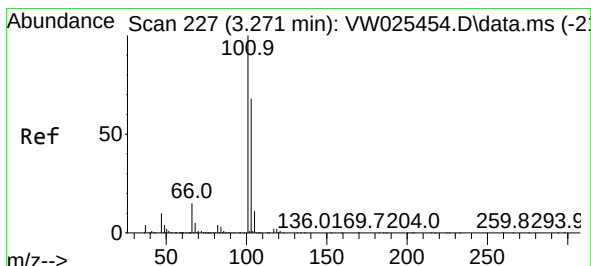
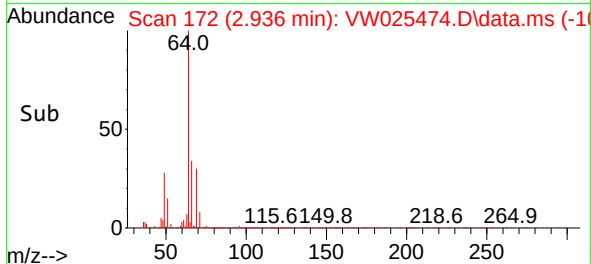
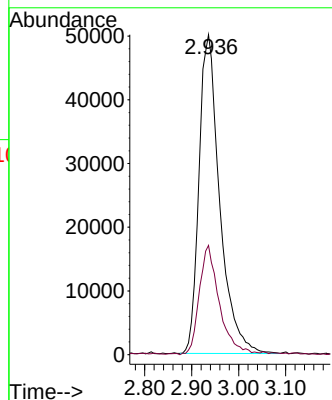
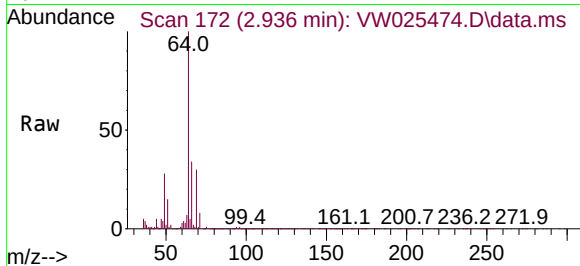




#8
Chloroethane
Concen: 24.797 ug/L
RT: 2.936 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

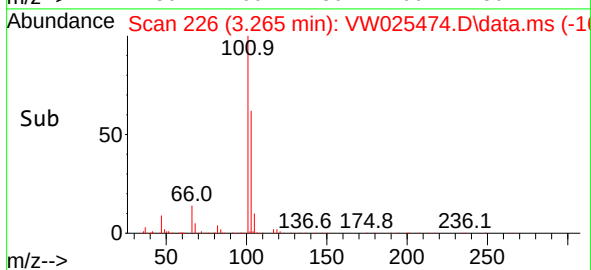
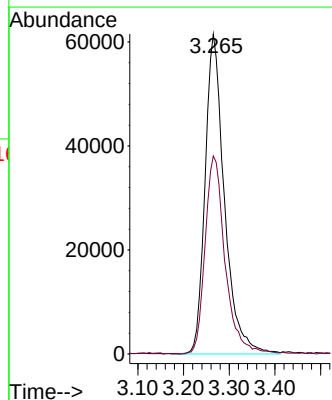
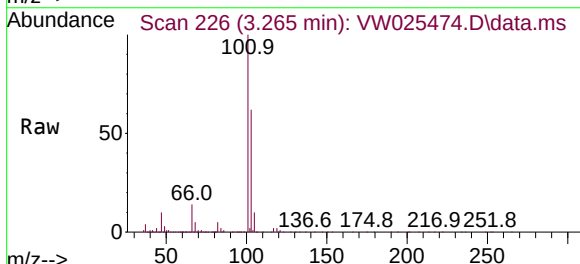
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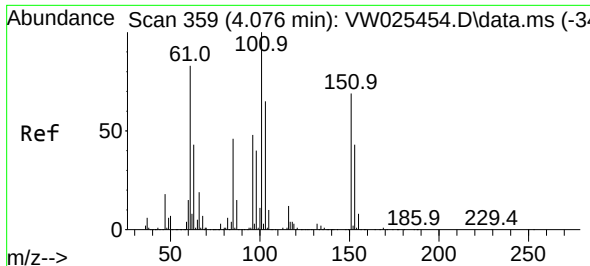
Tgt Ion: 64 Resp: 153244
Ion Ratio Lower Upper
64 100
66 34.2 23.3 43.3



#9
Trichlorofluoromethane
Concen: 19.437 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 101 Resp: 180896
Ion Ratio Lower Upper
101 100
103 62.9 51.5 77.3

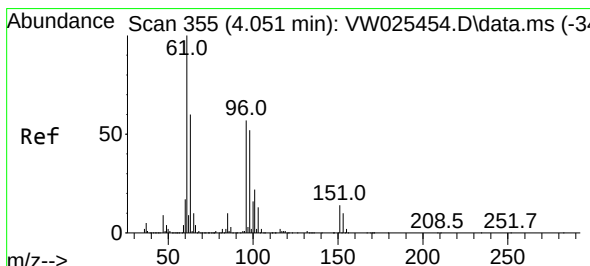
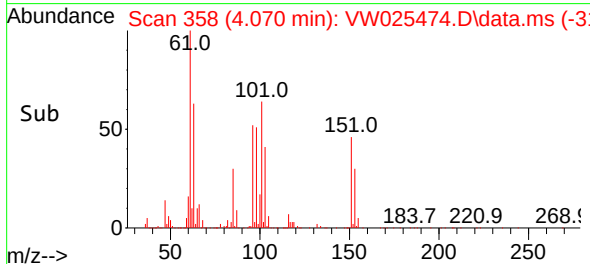
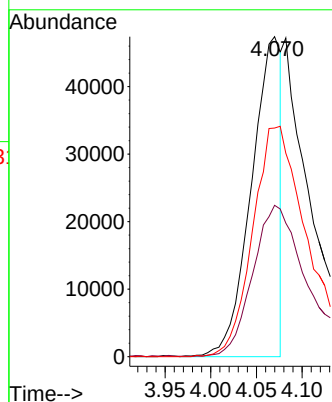
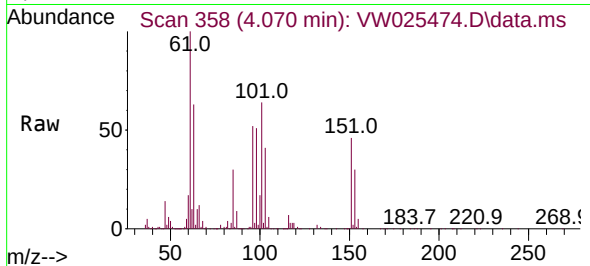




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.866 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. -0.006 min
 Lab File: VW025474.D
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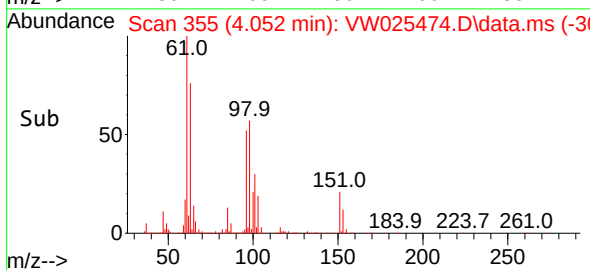
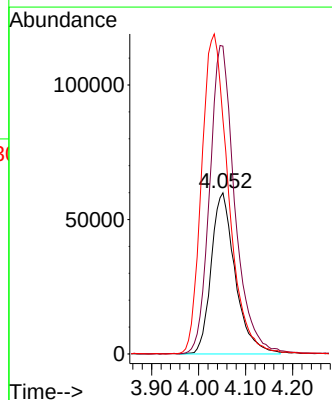
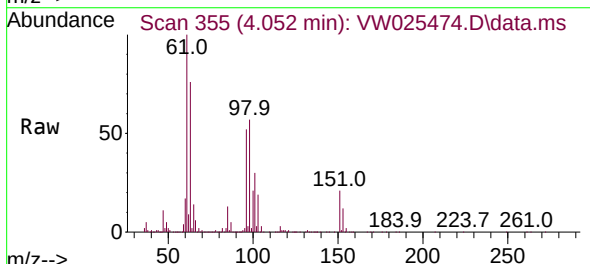
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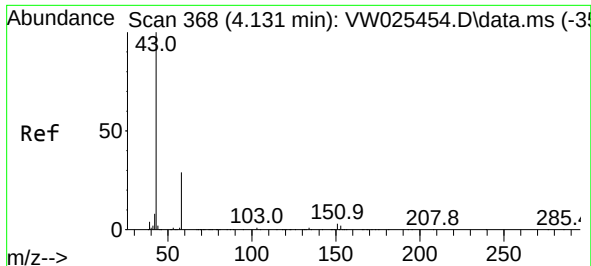
Tgt Ion:101 Resp: 107094
 Ion Ratio Lower Upper
 101 100
 85 88.9 35.8 53.8#
 151 135.0 54.2 81.2#



#12
 1,1-Dichloroethene
 Concen: 24.345 ug/L
 RT: 4.052 min Scan# 355
 Delta R.T. 0.000 min
 Lab File: VW025474.D
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Tgt Ion: 96 Resp: 212579
 Ion Ratio Lower Upper
 96 100
 61 191.0 130.7 242.7
 63 145.6 88.3 164.1

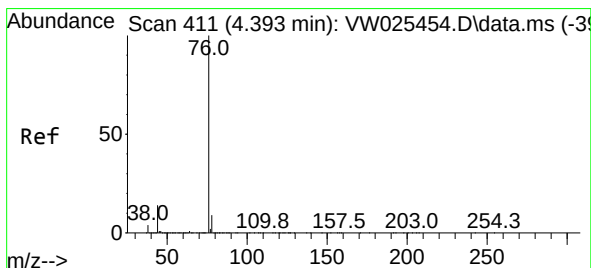
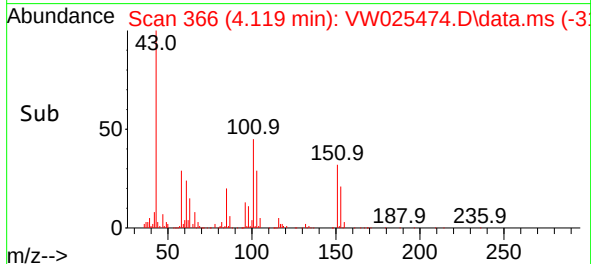
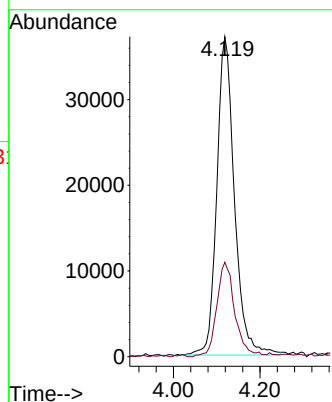
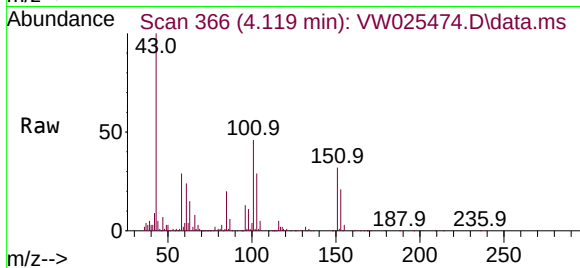




#13
Acetone
Concen: 38.390 ug/L
RT: 4.119 min Scan# 366
Delta R.T. -0.012 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

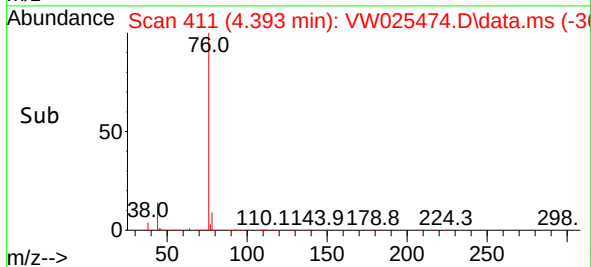
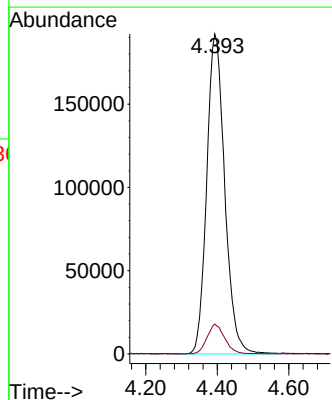
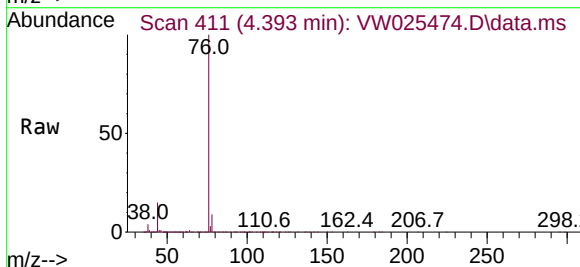
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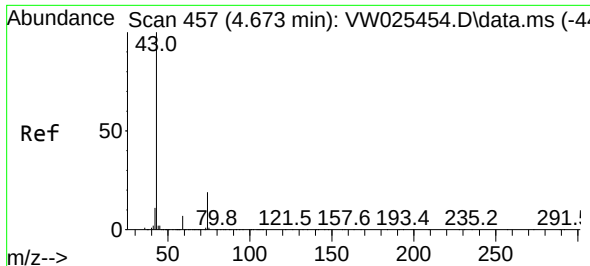
Tgt Ion: 43 Resp: 105463
Ion Ratio Lower Upper
43 100
58 30.0 0.0 60.0



#14
Carbon disulfide
Concen: 24.715 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 670992
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4

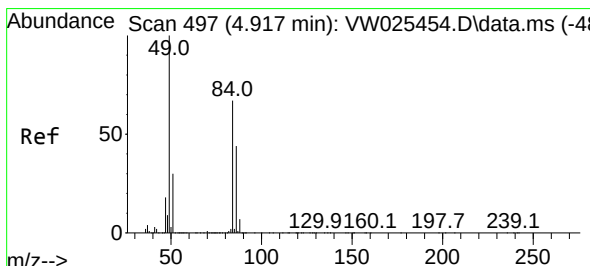
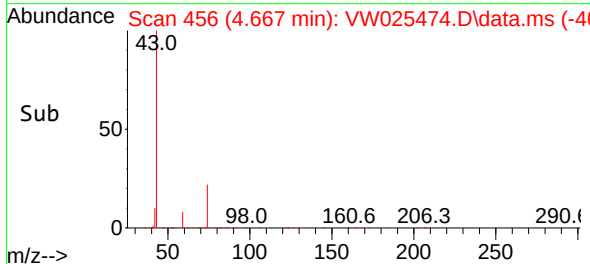
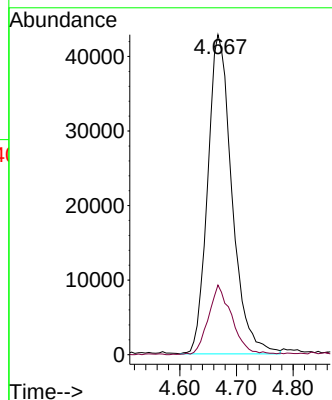
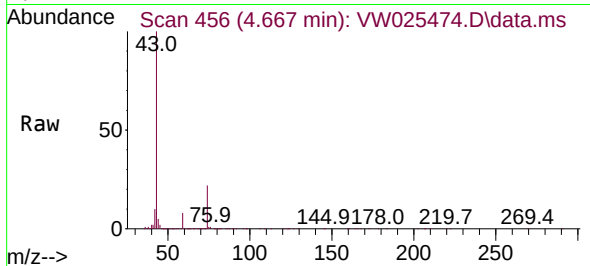




#15
Methyl Acetate
Concen: 24.719 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

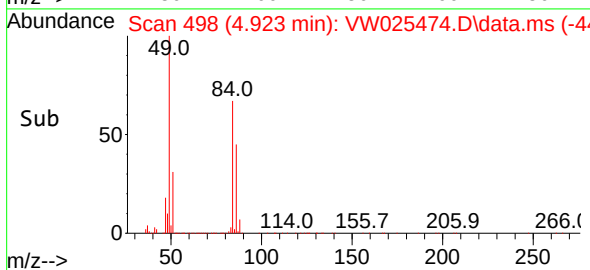
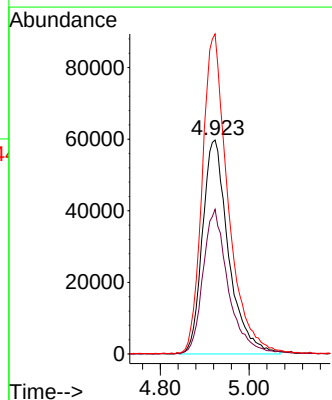
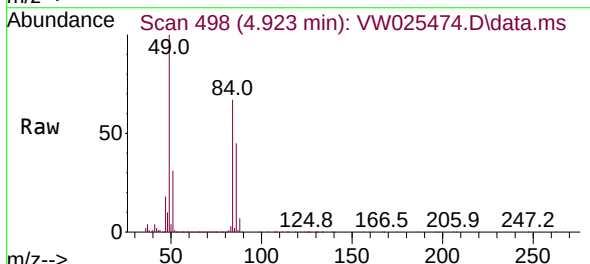
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

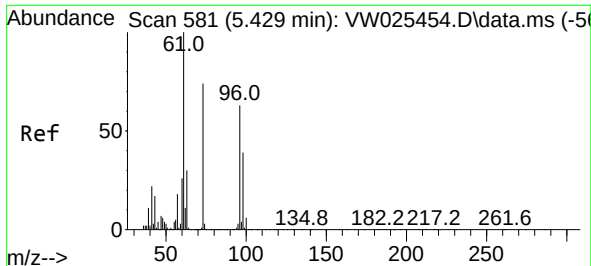
Tgt Ion: 43 Resp: 127393
Ion Ratio Lower Upper
43 100
74 20.3 17.0 25.4



#16
Methylene chloride
Concen: 25.001 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 84 Resp: 243770
Ion Ratio Lower Upper
84 100
86 67.6 45.1 83.7
49 149.6 94.7 175.9

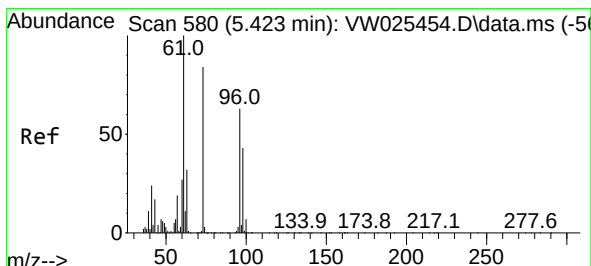
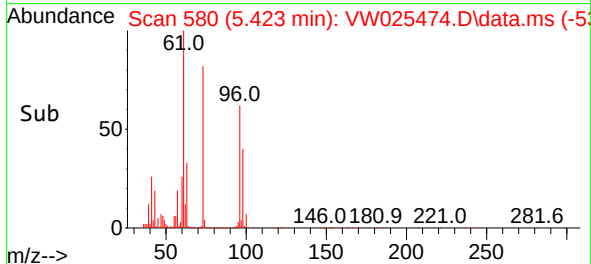
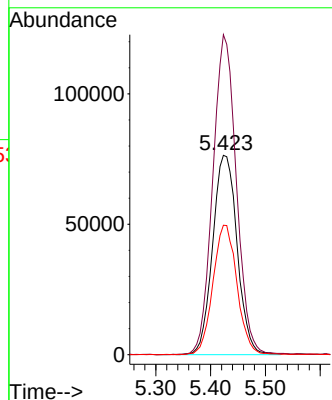
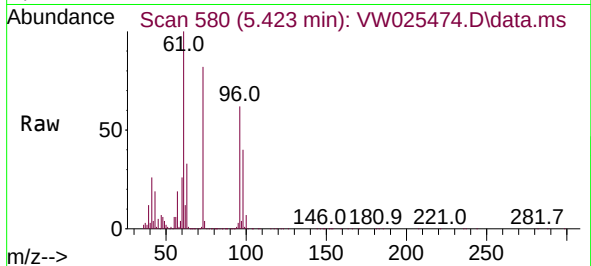




#17
trans-1,2-Dichloroethene
Concen: 25.932 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

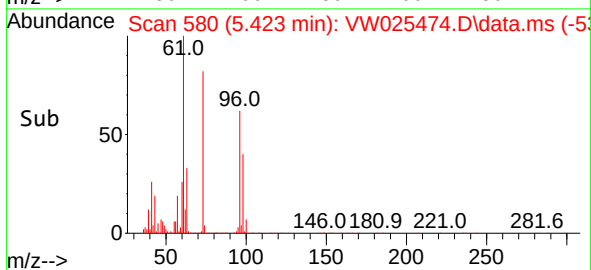
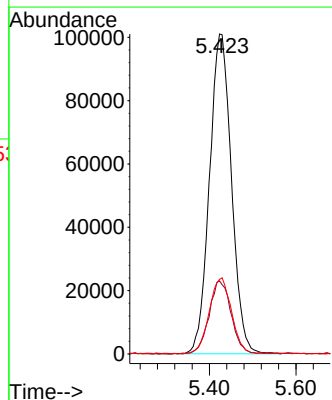
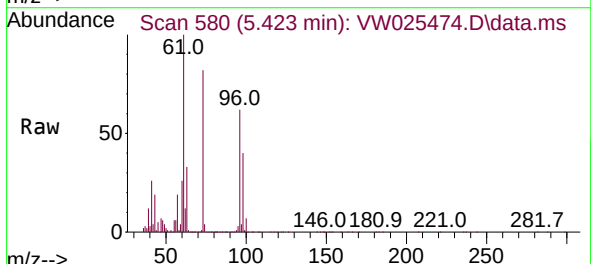
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

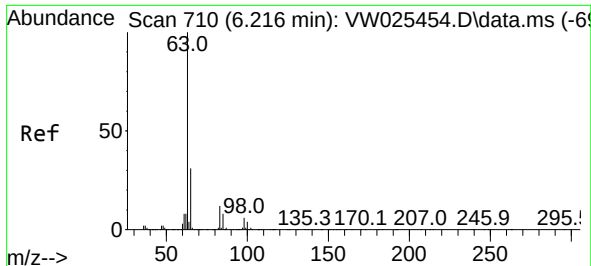
Tgt Ion: 96 Resp: 237368
Ion Ratio Lower Upper
96 100
61 160.5 103.0 191.4
98 65.0 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 25.832 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 73 Resp: 355982
Ion Ratio Lower Upper
73 100
43 22.9 17.6 26.4
57 24.0 18.6 28.0





#19

1,1-Dichloroethane

Concen: 26.468 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025555

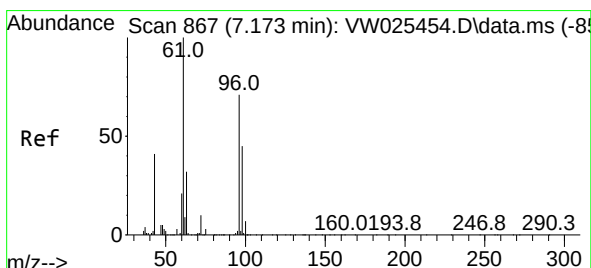
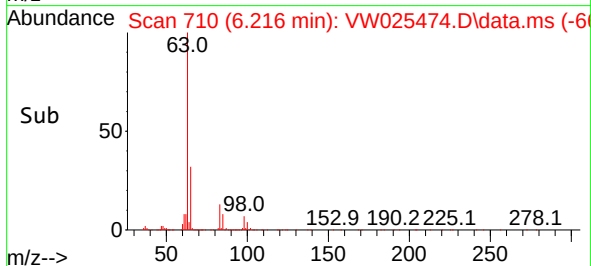
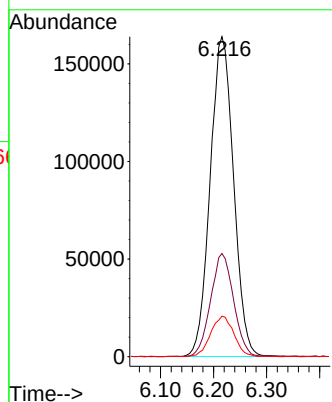
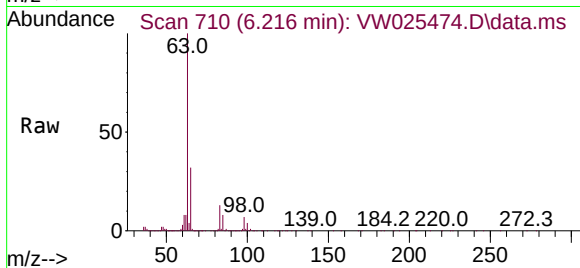
Tgt Ion: 63 Resp: 501711

Ion Ratio Lower Upper

63 100

65 32.2 21.7 40.3

83 12.7 8.4 15.6



#20

cis-1,2-Dichloroethene

Concen: 26.394 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

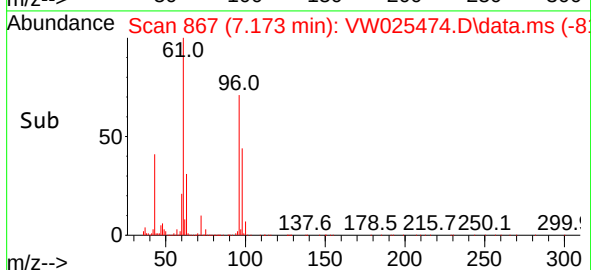
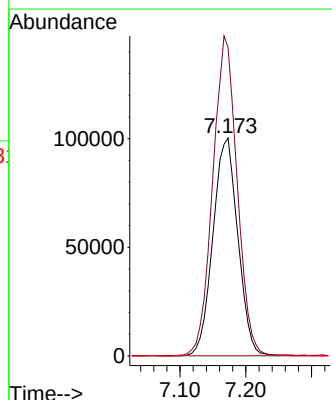
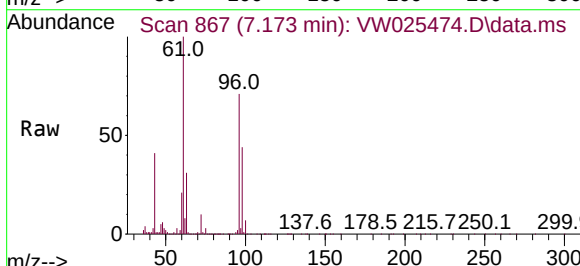
Tgt Ion: 96 Resp: 264521

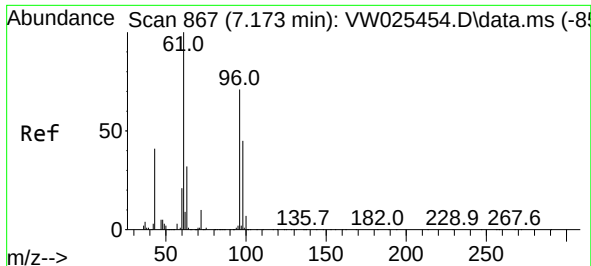
Ion Ratio Lower Upper

96 100

61 141.5 95.5 177.4

68 0.1 0.1 0.1

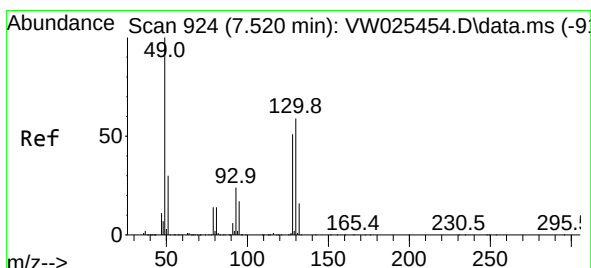
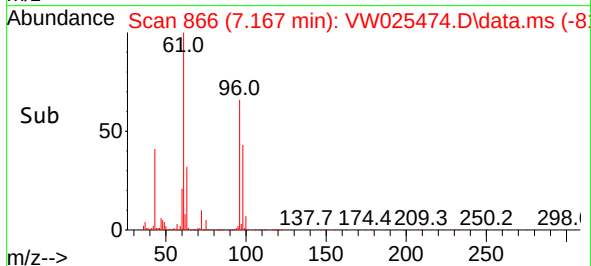
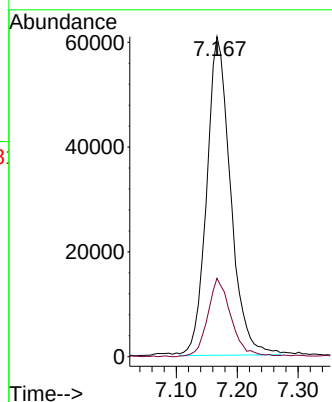
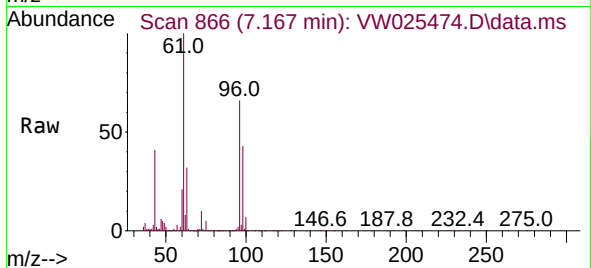




#22
2-Butanone
Concen: 46.595 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

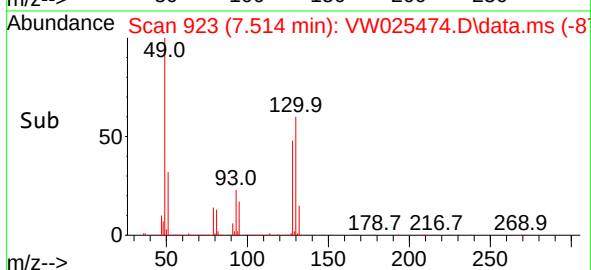
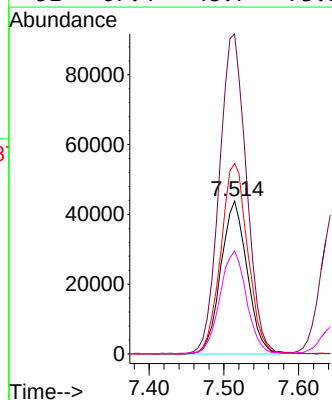
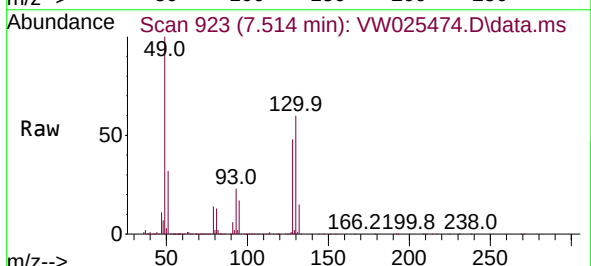
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

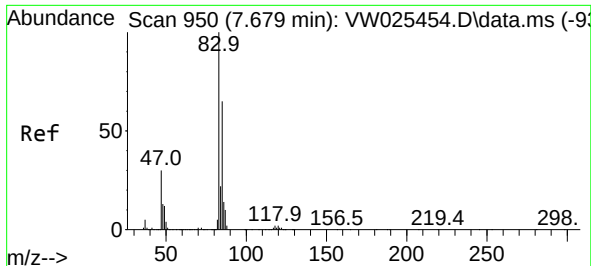
Tgt Ion: 43 Resp: 165587
Ion Ratio Lower Upper
43 100
72 23.2 12.0 36.1



#23
Bromochloromethane
Concen: 24.832 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 128 Resp: 107019
Ion Ratio Lower Upper
128 100
49 209.1 140.6 261.0
130 124.5 80.8 150.0
51 67.4 48.7 73.1

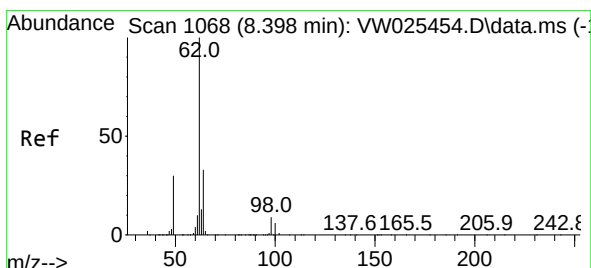
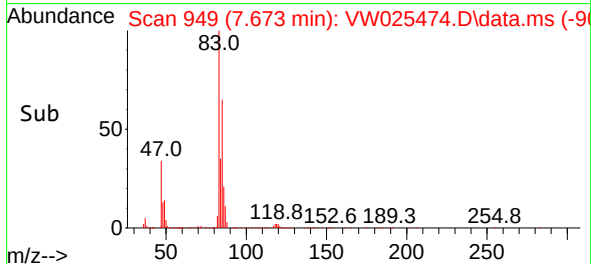
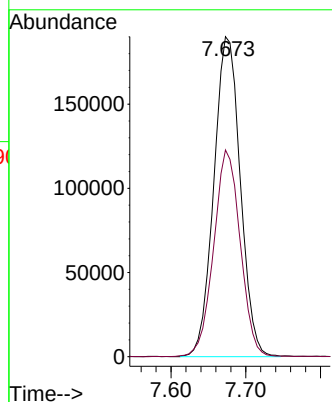
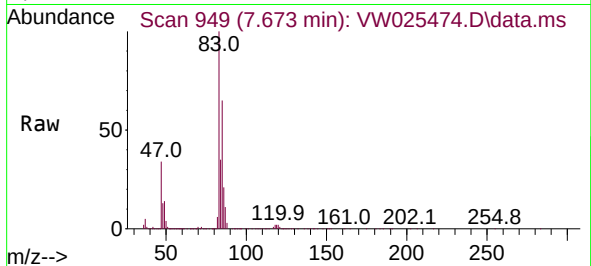




#25
Chloroform
Concen: 26.294 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

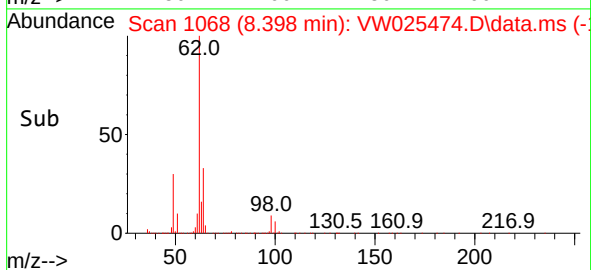
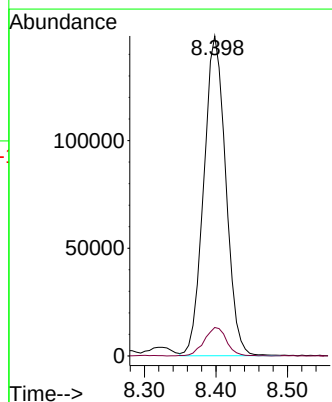
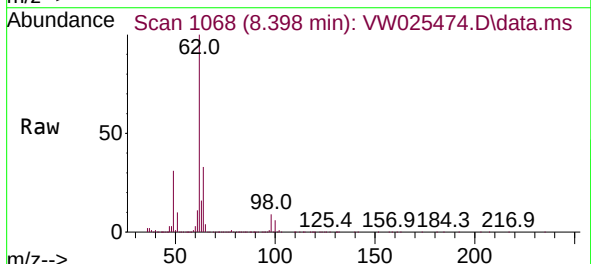
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

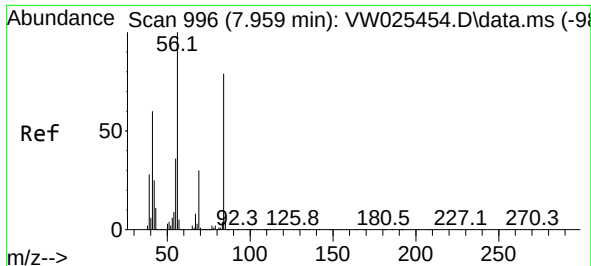
Tgt Ion: 83 Resp: 468535
Ion Ratio Lower Upper
83 100
85 64.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 26.682 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 62 Resp: 317295
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8

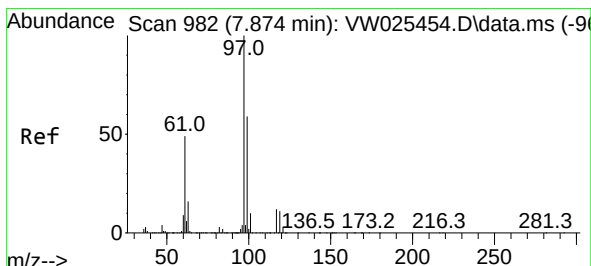
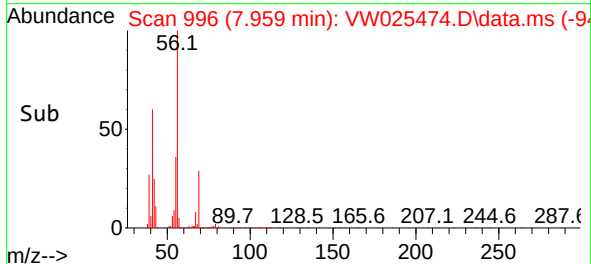
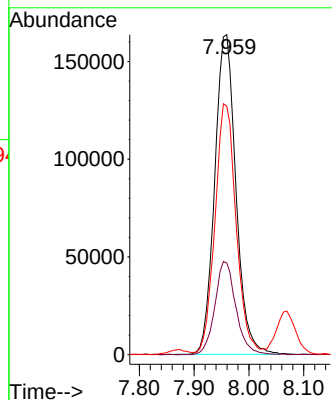
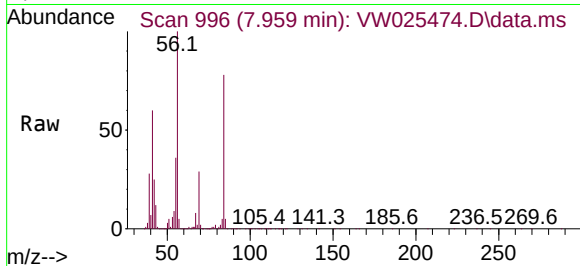




#29
Cyclohexane
Concen: 24.547 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

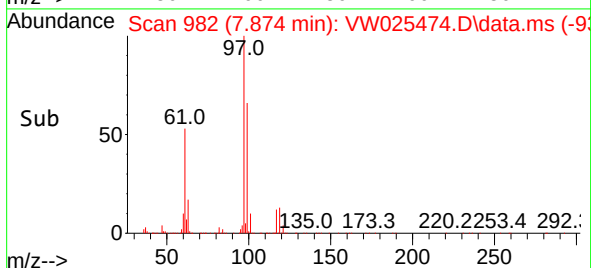
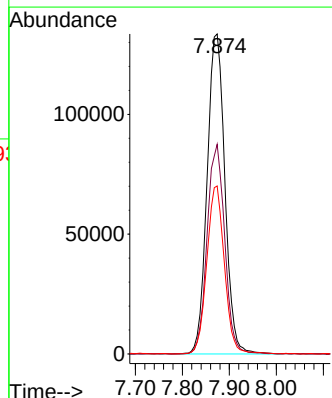
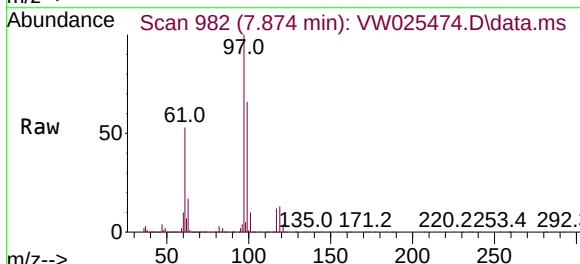
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

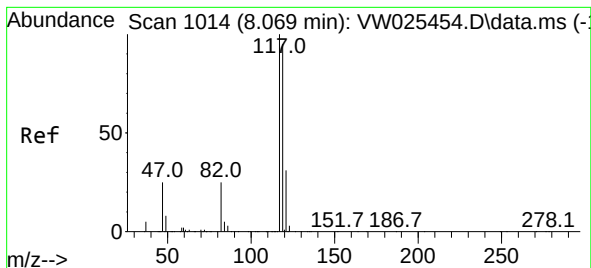
Tgt Ion: 56 Resp: 441235
Ion Ratio Lower Upper
56 100
69 28.8 23.1 34.7
84 78.4 63.9 95.9



#30
1,1,1-Trichloroethane
Concen: 23.170 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 97 Resp: 350740
Ion Ratio Lower Upper
97 100
99 64.9 50.9 76.3
61 52.2 39.8 59.6

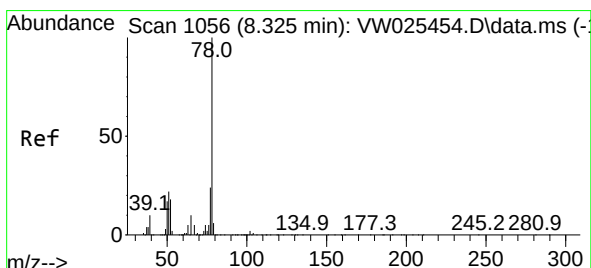
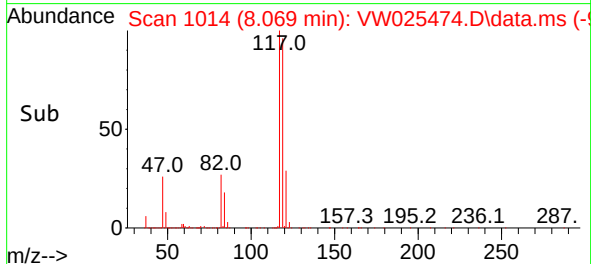
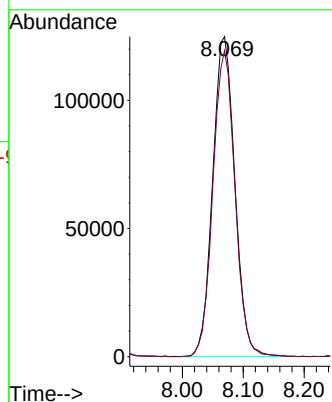
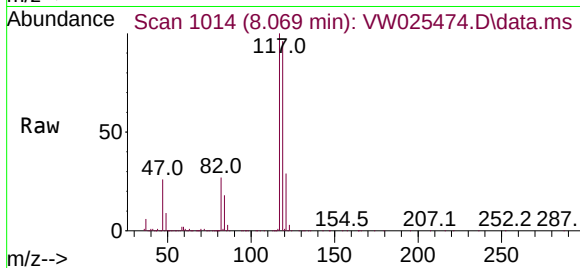




#31
Carbon tetrachloride
Concen: 23.321 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

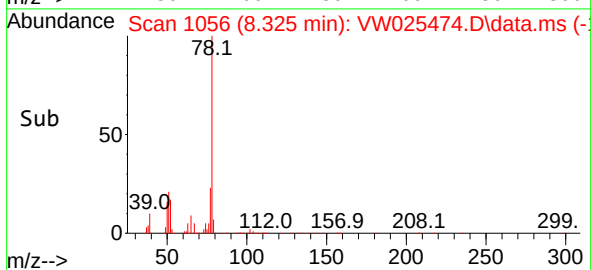
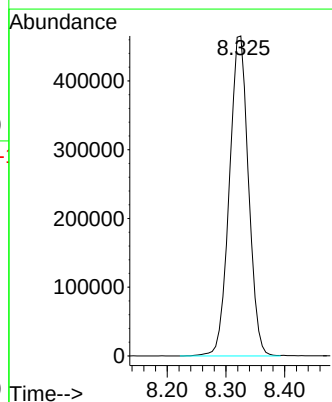
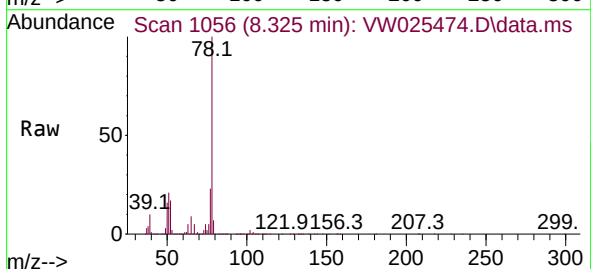
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

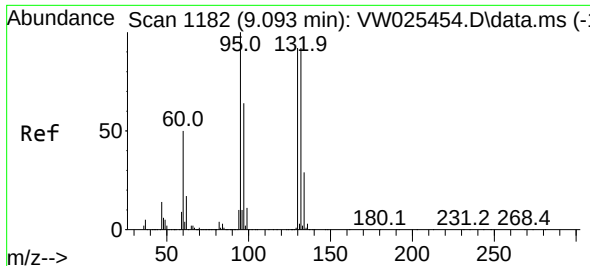
Tgt Ion:117 Resp: 316448
Ion Ratio Lower Upper
117 100
119 95.0 75.8 113.6



#33
Benzene
Concen: 25.841 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 78 Resp: 1052073





#34

Trichloroethene

Concen: 24.550 ug/L

RT: 9.087 min Scan# 1182

Delta R.T. -0.006 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025555

Tgt Ion: 95 Resp: 262330

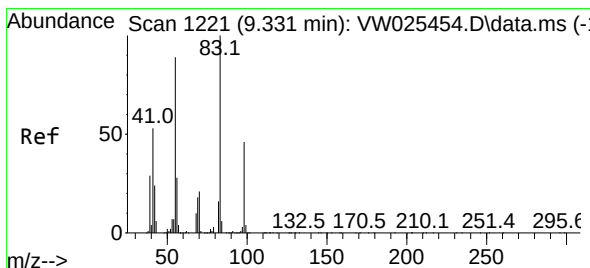
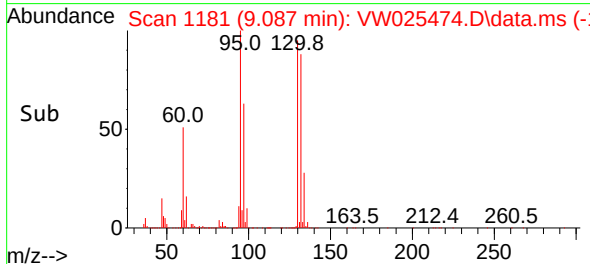
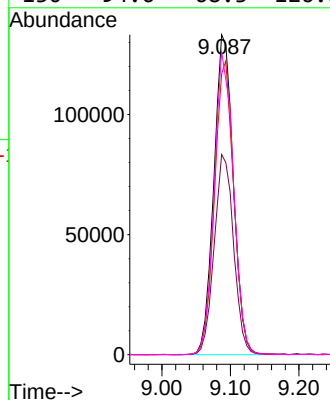
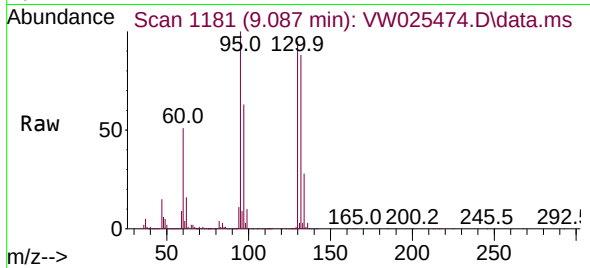
Ion Ratio Lower Upper

95 100

97 62.6 43.8 81.4

132 87.8 65.9 122.3

130 94.6 68.3 126.8



#35

Methylcyclohexane

Concen: 24.264 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

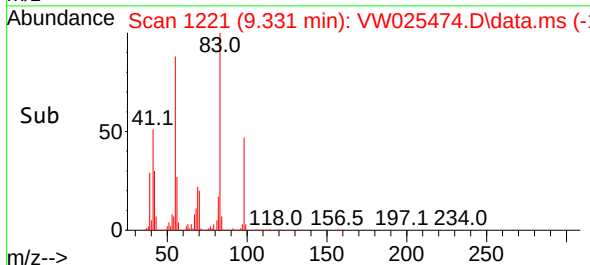
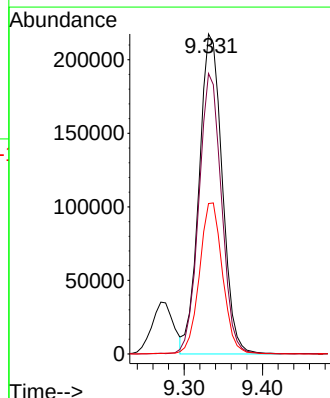
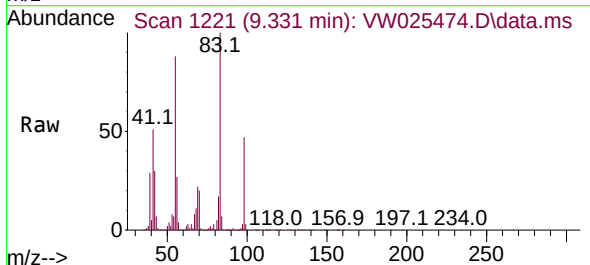
Tgt Ion: 83 Resp: 446633

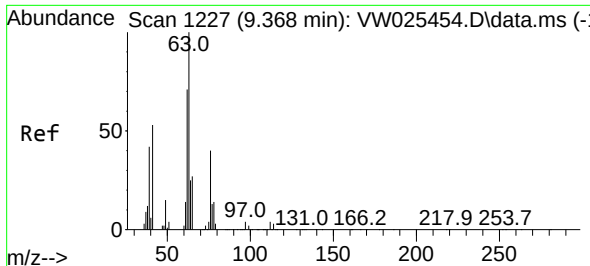
Ion Ratio Lower Upper

83 100

55 85.8 68.2 102.4

98 46.9 39.0 58.4





#37

1,2-Dichloropropane

Concen: 25.577 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

Instrument :

MSVOA_W

ClientSampleId :

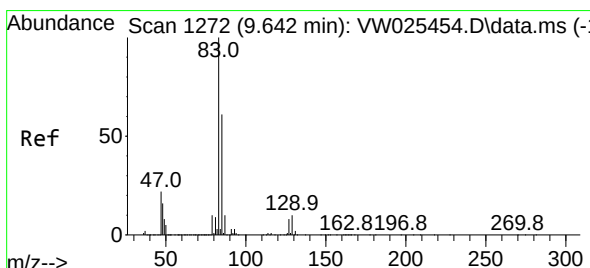
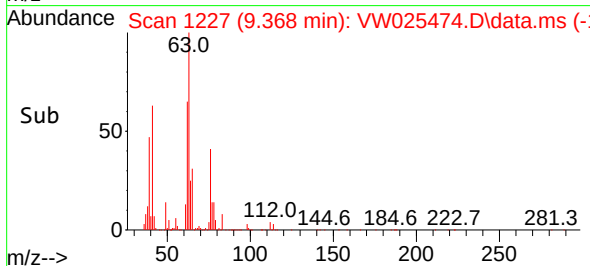
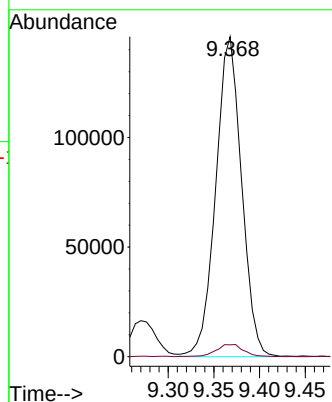
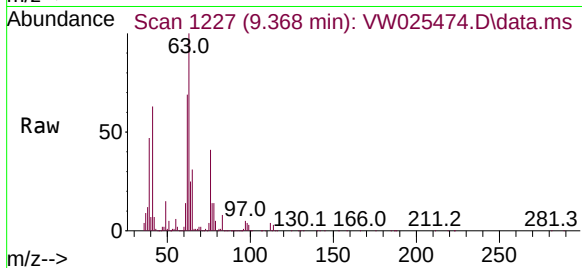
VSTD025555

Tgt Ion: 63 Resp: 286640

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#38

Bromodichloromethane

Concen: 25.291 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

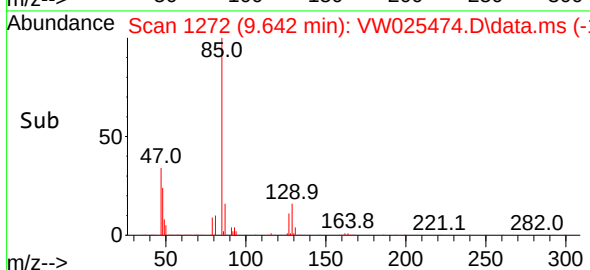
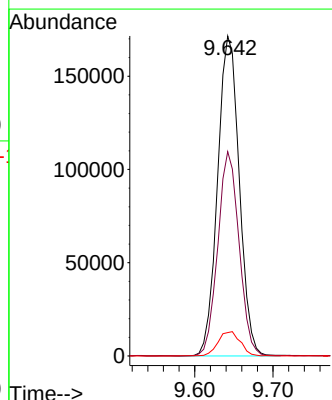
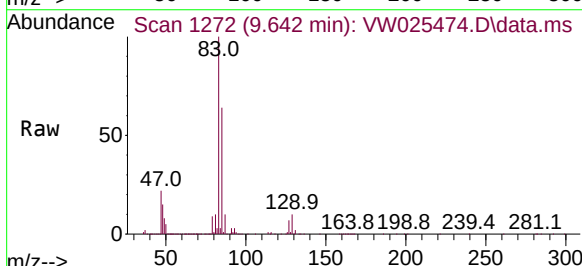
Tgt Ion: 83 Resp: 330541

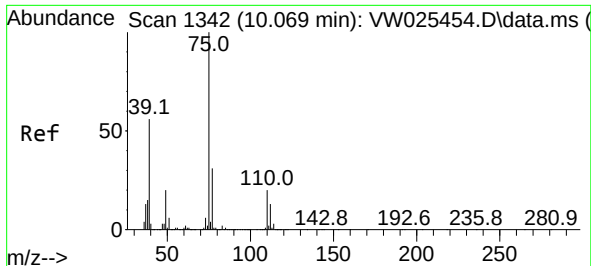
Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

127 7.3 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 25.434 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

Instrument :

MSVOA_W

ClientSampleId :

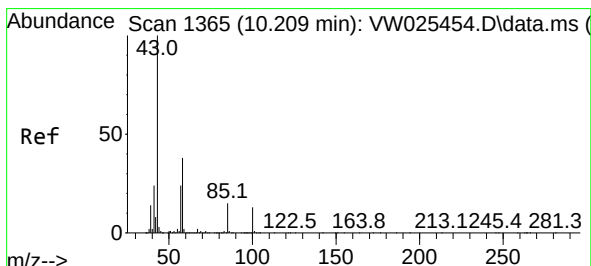
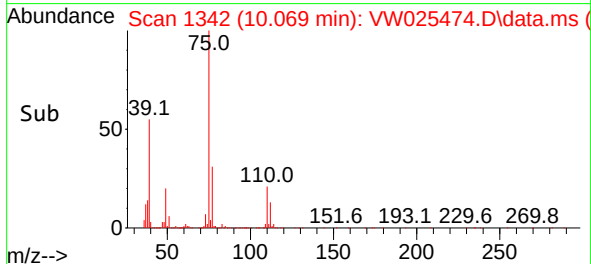
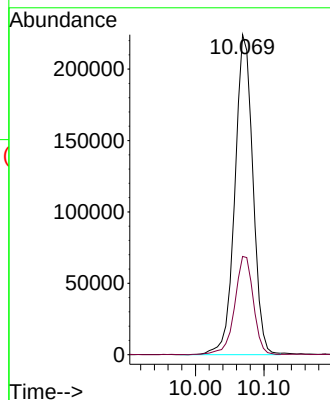
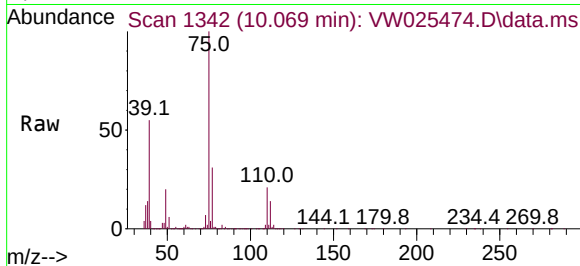
VSTD025555

Tgt Ion: 75 Resp: 410630

Ion Ratio Lower Upper

75 100

77 30.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 53.627 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

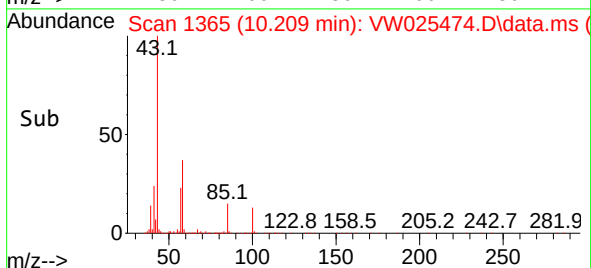
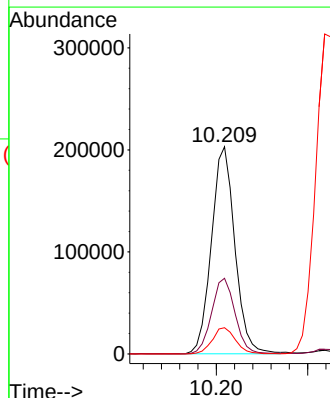
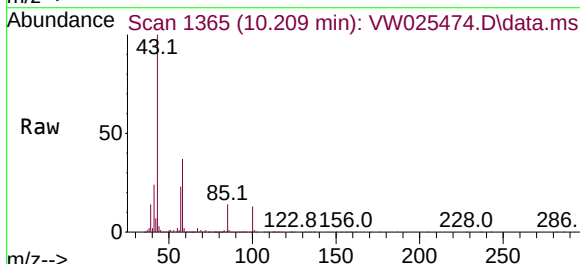
Tgt Ion: 43 Resp: 361206

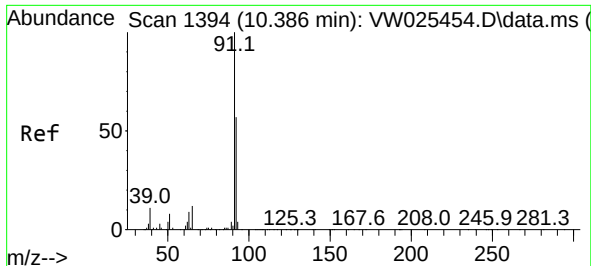
Ion Ratio Lower Upper

43 100

58 36.6 29.6 44.4

100 12.6 10.6 16.0

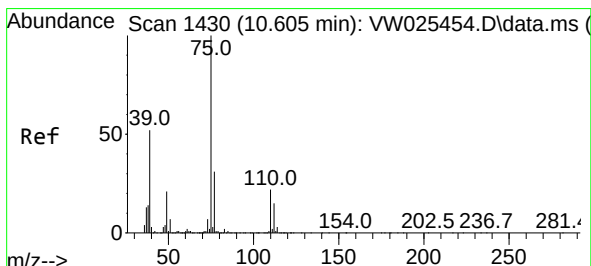
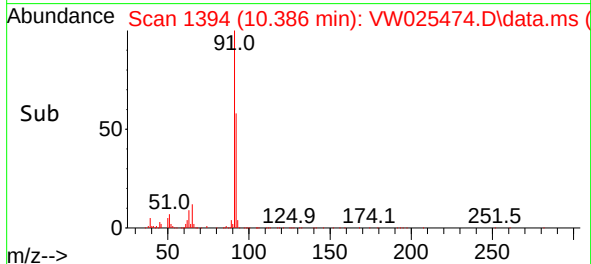
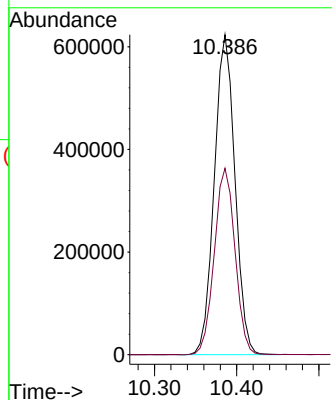
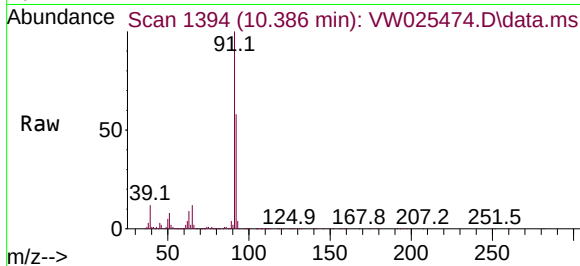




#42
Toluene
Concen: 25.870 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

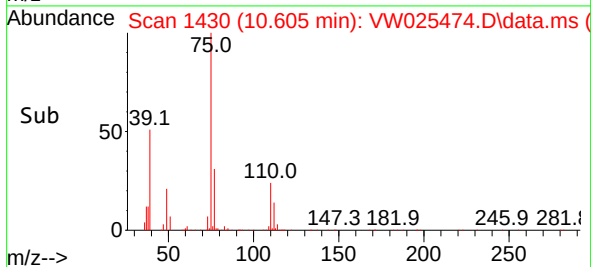
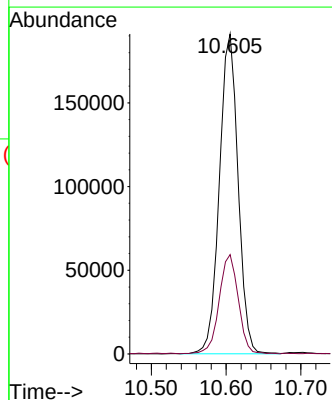
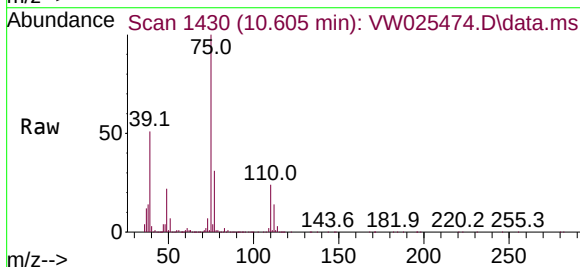
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

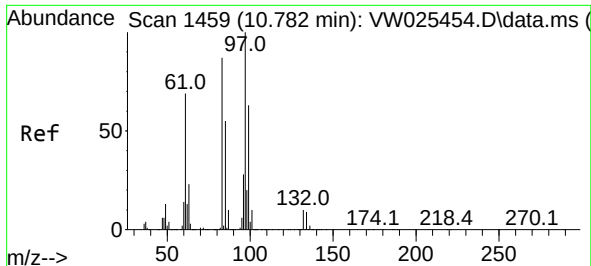
Tgt Ion: 91 Resp: 1087466
Ion Ratio Lower Upper
91 100
92 58.3 41.6 77.3



#44
trans-1,3-Dichloropropene
Concen: 24.586 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 75 Resp: 332415
Ion Ratio Lower Upper
75 100
77 31.0 22.3 41.3



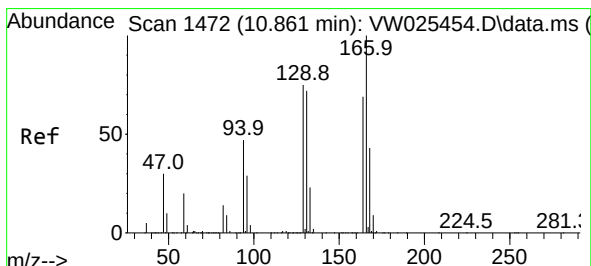
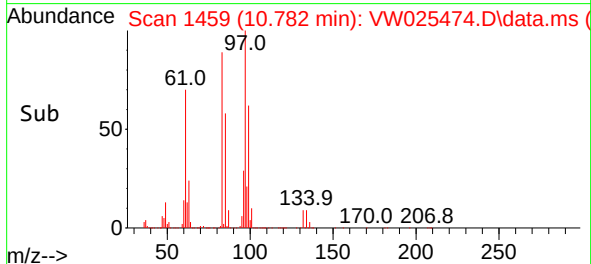
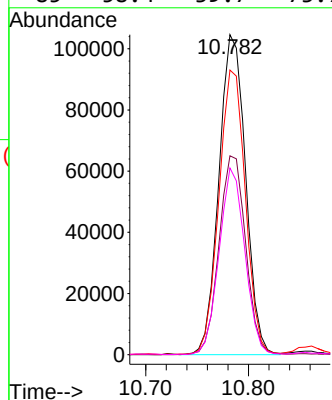
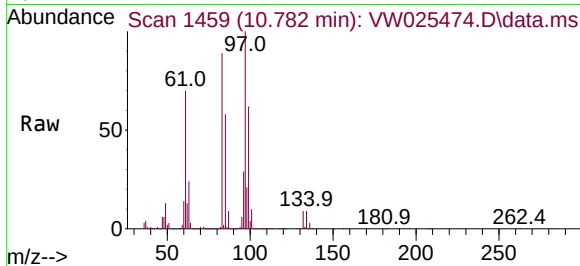


#45
1,1,2-Trichloroethane
Concen: 25.049 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

Tgt Ion: 97 Resp: 188516

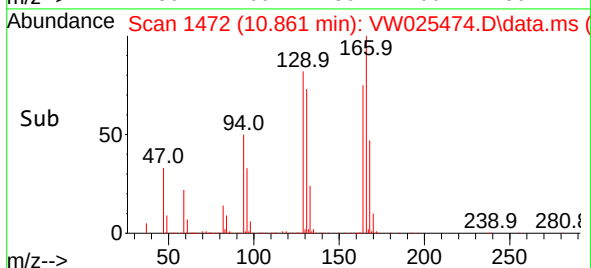
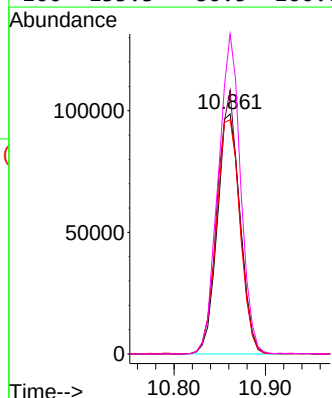
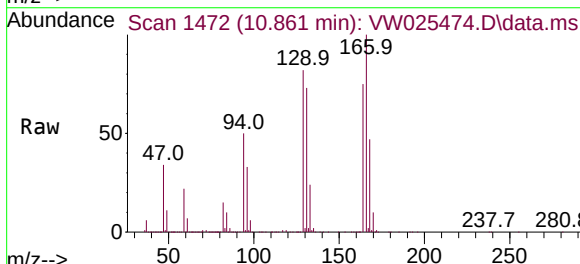
Ion	Ratio	Lower	Upper
97	100		
99	62.1	42.6	79.0
83	88.9	60.5	112.3
85	58.4	39.7	73.7

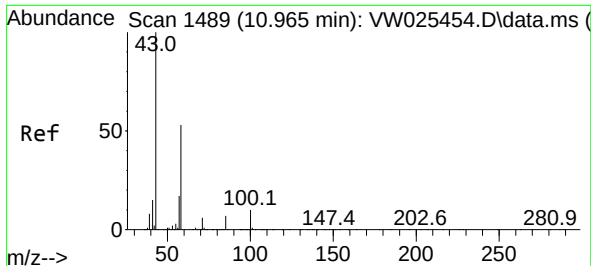


#46
Tetrachloroethene
Concen: 22.926 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 164 Resp: 174308

Ion	Ratio	Lower	Upper
164	100		
129	109.8	67.7	125.7
131	97.6	67.0	124.4
166	133.3	86.5	160.7

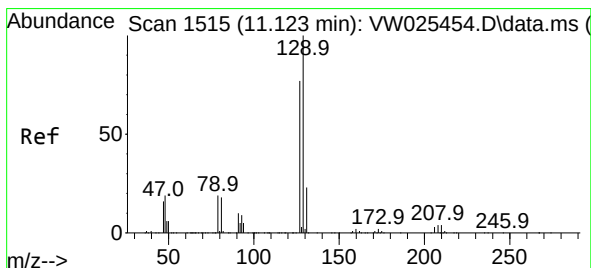
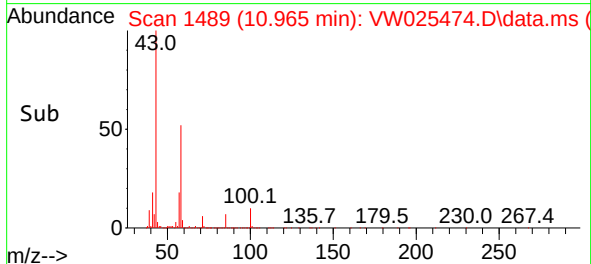
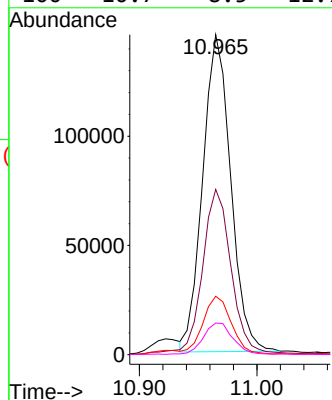
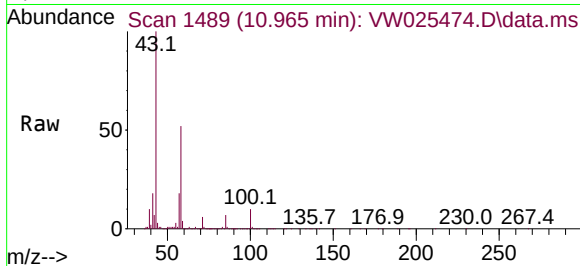




#48
2-Hexanone
Concen: 49.656 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

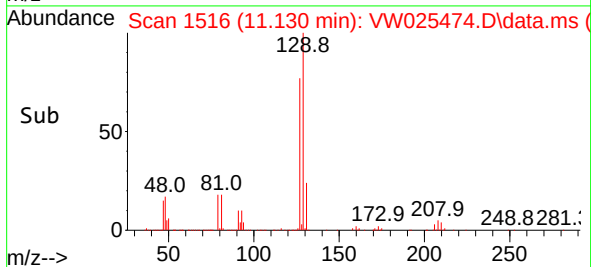
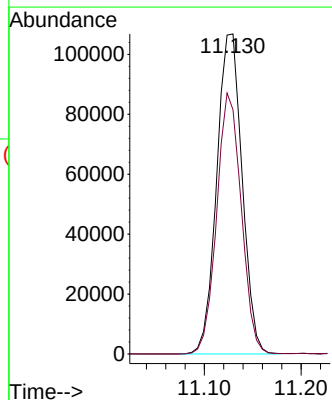
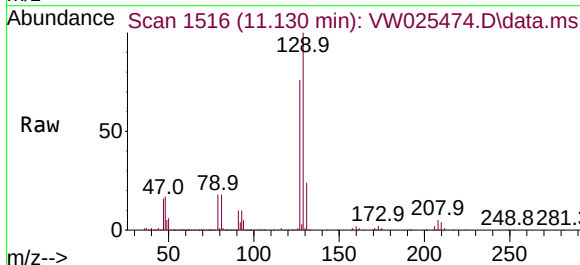
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

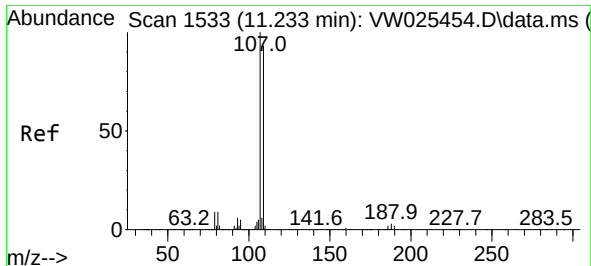
Tgt Ion:	43	Resp:	240630
Ion	Ratio	Lower	Upper
43	100		
58	54.3	41.2	61.8
57	18.2	14.2	21.4
100	10.7	8.5	12.7



#49
Dibromochloromethane
Concen: 24.231 ug/L
RT: 11.130 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion:	129	Resp:	194851
Ion	Ratio	Lower	Upper
129	100		
127	76.3	52.8	98.2





#50

1,2-Dibromoethane

Concen: 24.815 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025555

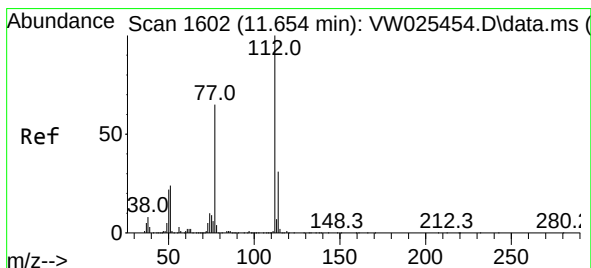
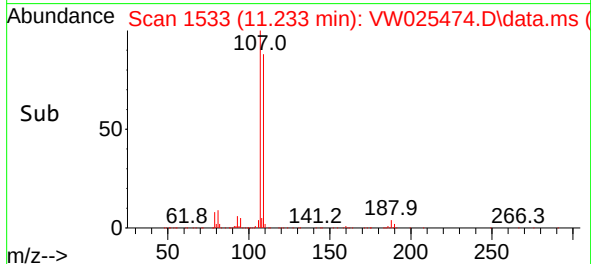
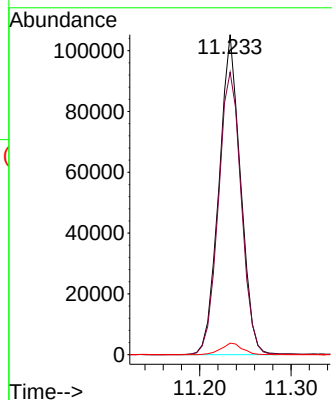
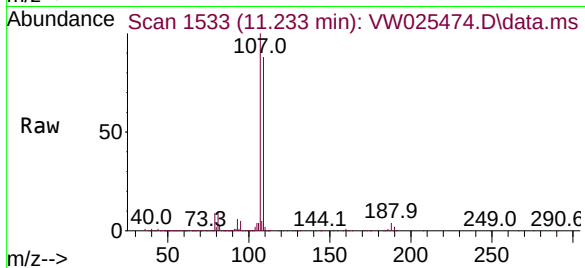
Tgt Ion:107 Resp: 172869

Ion Ratio Lower Upper

107 100

109 88.3 62.9 116.9

188 3.6 3.0 4.4



#51

Chlorobenzene

Concen: 24.968 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

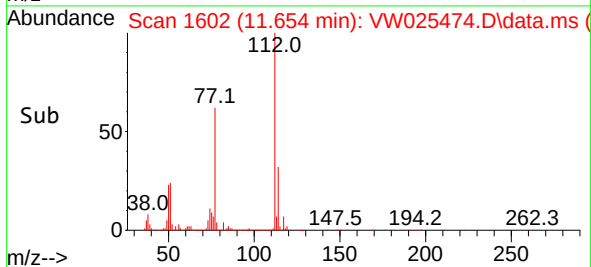
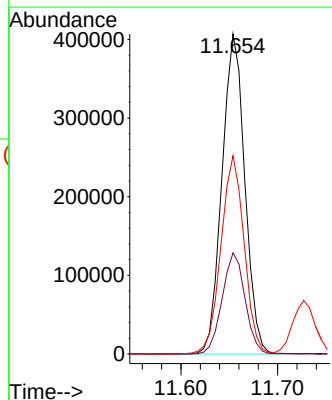
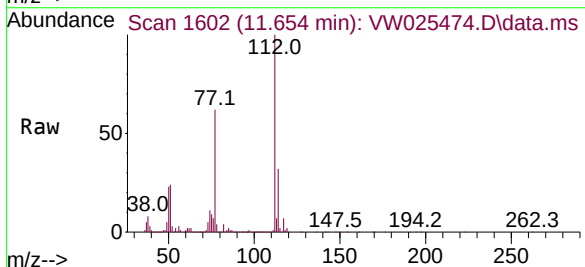
Tgt Ion:112 Resp: 666119

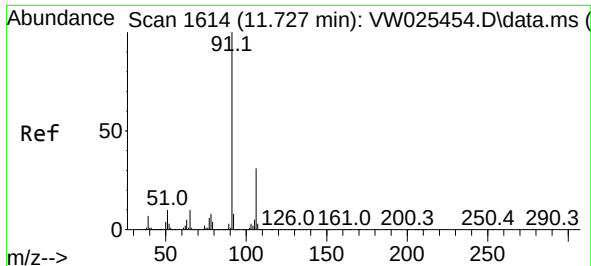
Ion Ratio Lower Upper

112 100

114 31.6 21.9 40.7

77 61.9 51.8 77.8

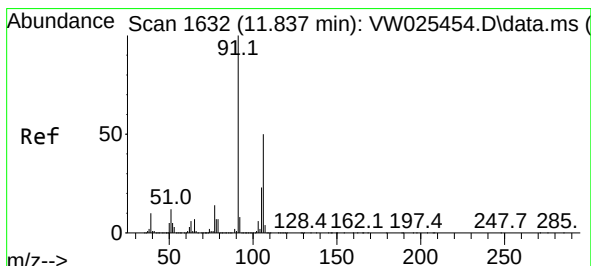
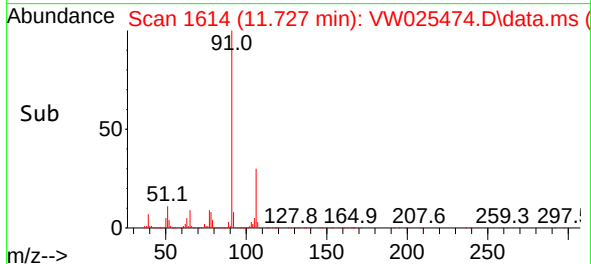
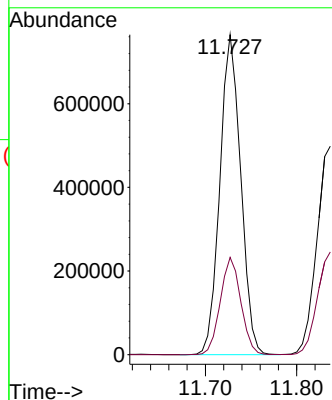
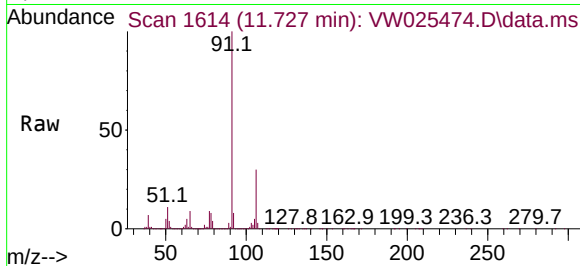




#52
Ethylbenzene
Concen: 25.320 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

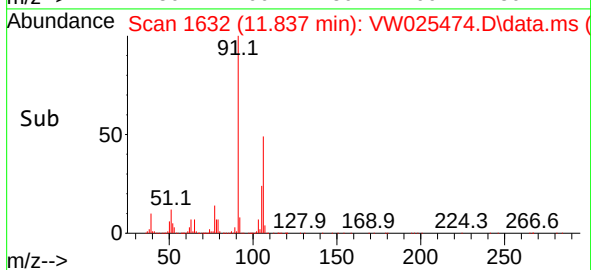
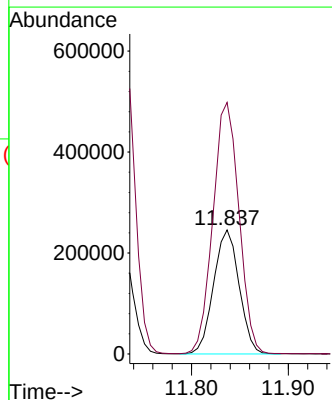
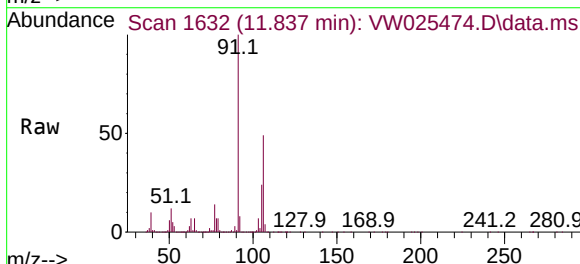
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

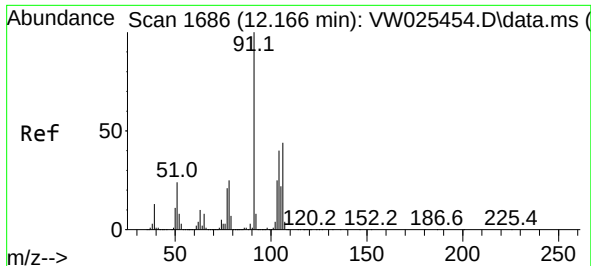
Tgt Ion: 91 Resp: 1213889
Ion Ratio Lower Upper
91 100
106 30.4 22.0 41.0



#53
m,p-Xylene
Concen: 25.478 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 106 Resp: 450509
Ion Ratio Lower Upper
106 100
91 202.8 144.2 267.8

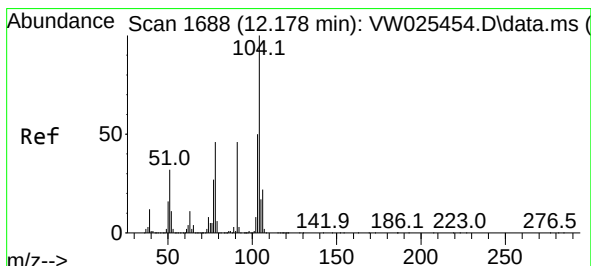
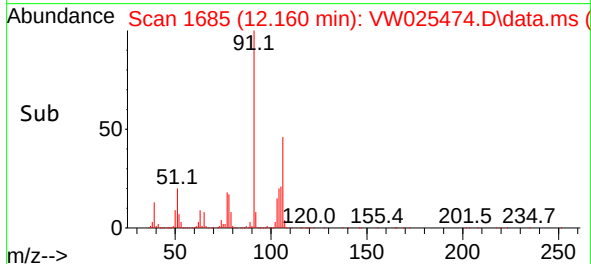
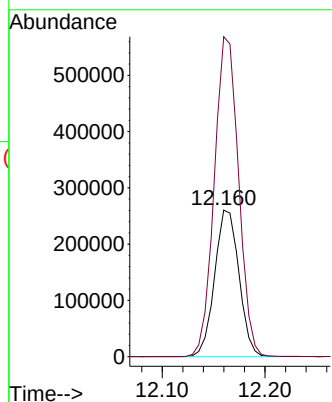
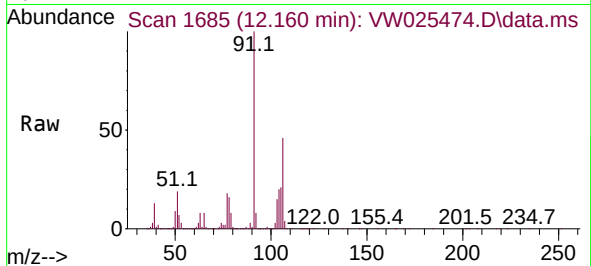




#54
o-Xylene
Concen: 25.708 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

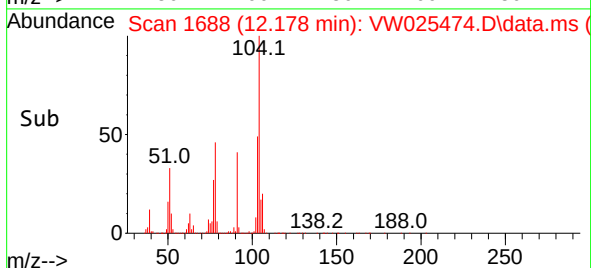
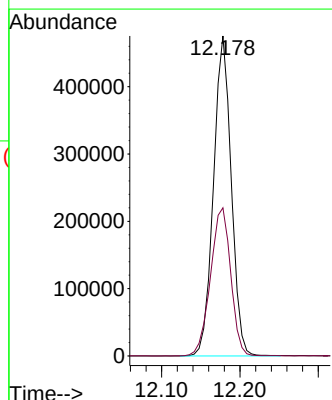
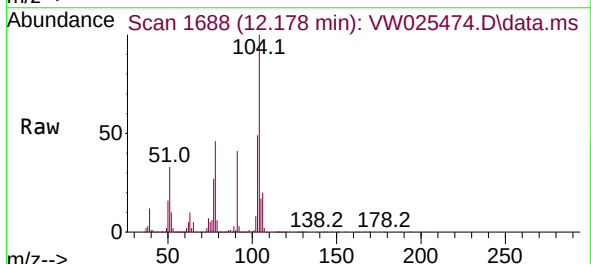
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

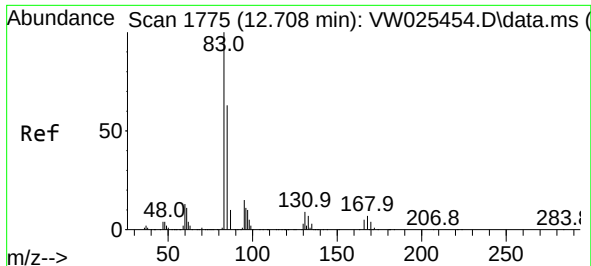
Tgt Ion:106 Resp: 427767
Ion Ratio Lower Upper
106 100
91 218.3 154.6 287.2



#55
Styrene
Concen: 26.349 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion:104 Resp: 748693
Ion Ratio Lower Upper
104 100
78 46.3 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 24.439 ug/L

RT: 12.709 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025555

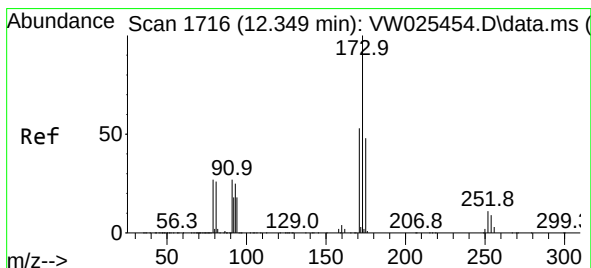
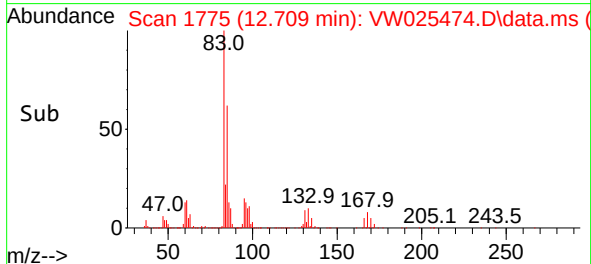
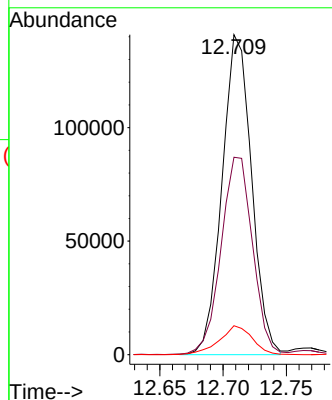
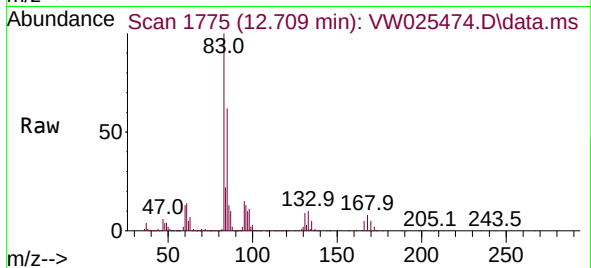
Tgt Ion: 83 Resp: 228788

Ion Ratio Lower Upper

83 100

85 61.7 45.4 84.2

131 9.0 8.0 12.0



#59

Bromoform

Concen: 23.447 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

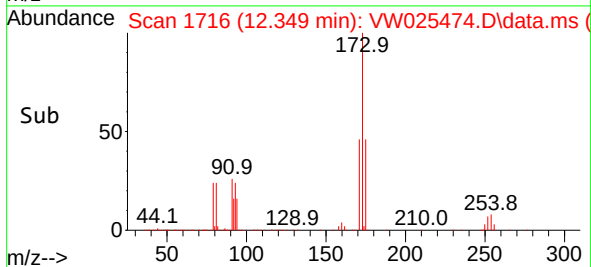
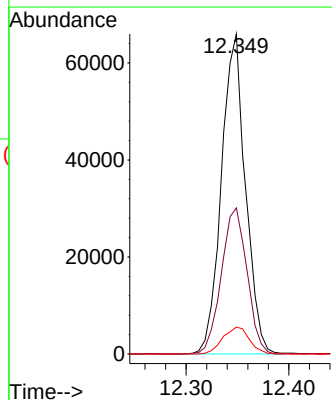
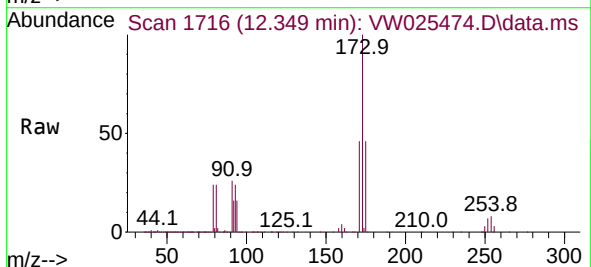
Tgt Ion: 173 Resp: 107046

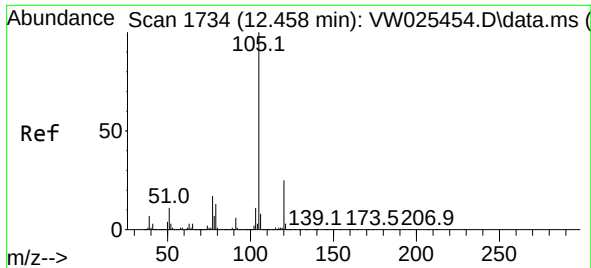
Ion Ratio Lower Upper

173 100

175 48.7 38.6 57.8

254 9.3 7.9 11.9

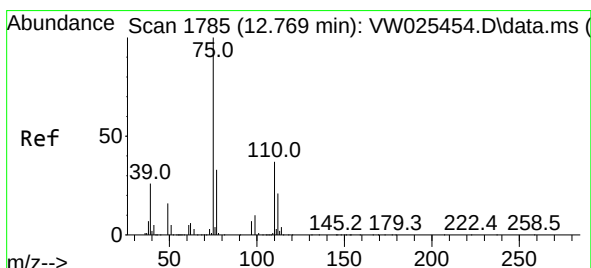
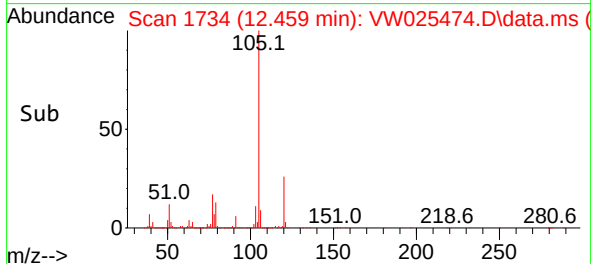
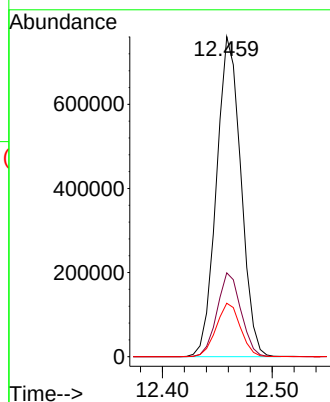
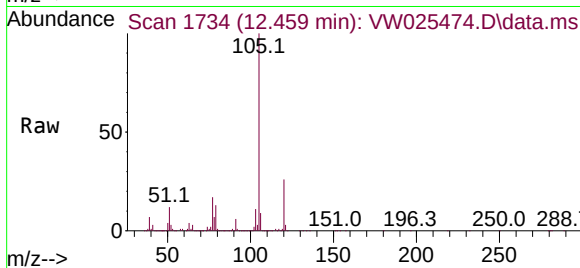




#60
Isopropylbenzene
Concen: 24.970 ug/L
RT: 12.459 min Scan# 1177886
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

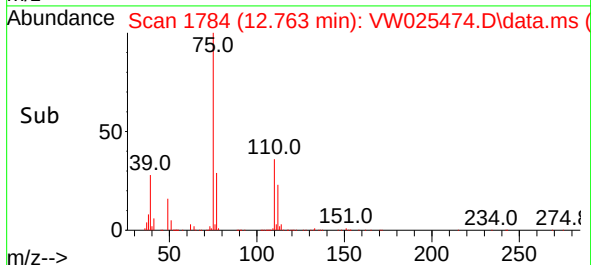
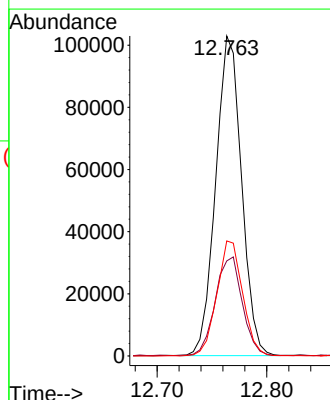
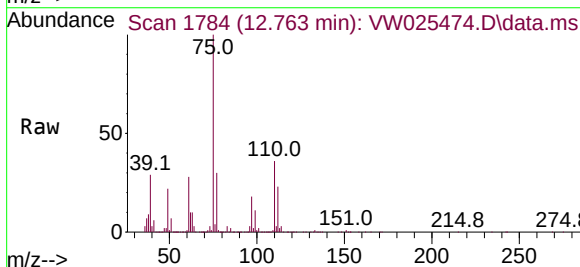
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

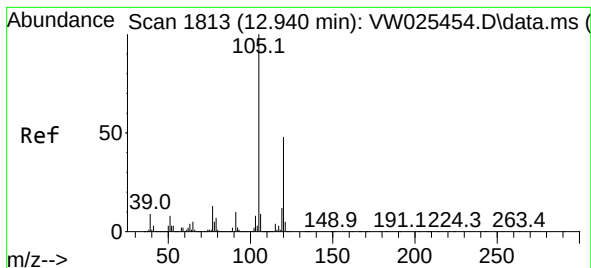
Tgt Ion:105 Resp: 1177886
Ion Ratio Lower Upper
105 100
120 25.7 20.9 31.3
77 16.6 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 24.442 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion: 75 Resp: 168513
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2
110 35.9 28.9 43.3





#62

1,3,5-Trimethylbenzene

Concen: 25.783 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

Instrument :

MSVOA_W

ClientSampleId :

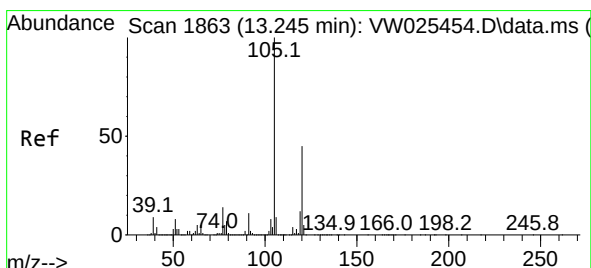
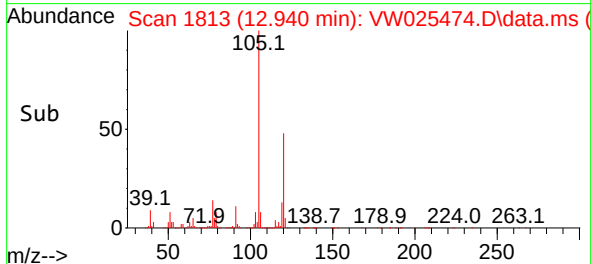
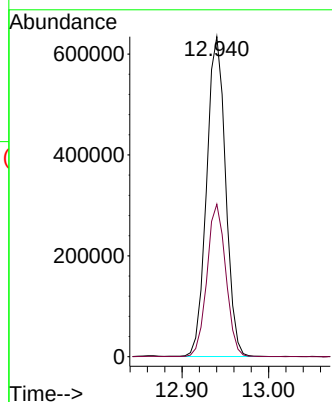
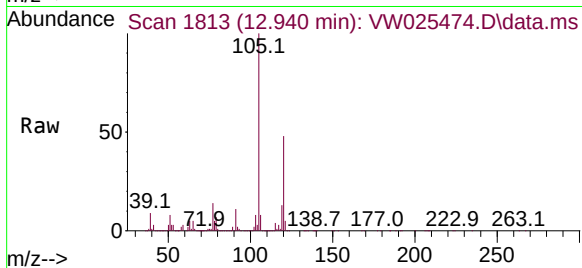
VSTD025555

Tgt Ion:105 Resp: 963235

Ion Ratio Lower Upper

105 100

120 47.3 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 26.060 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW025474.D

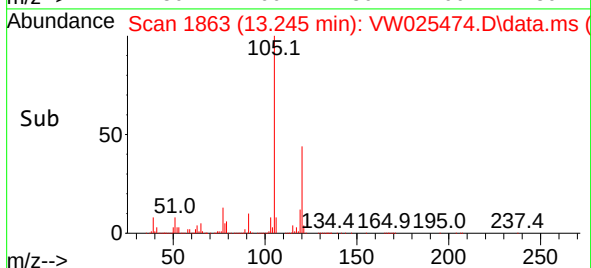
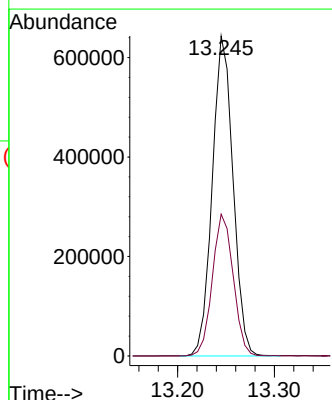
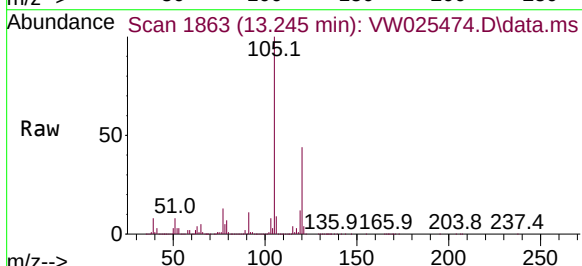
Acq: 21 Mar 2023 17:28

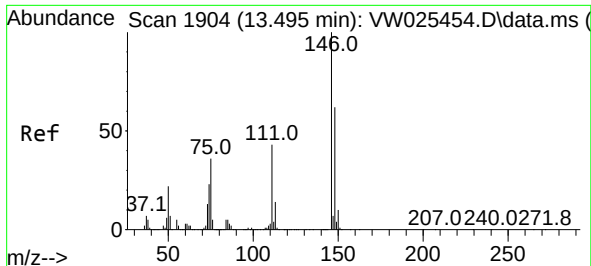
Tgt Ion:105 Resp: 959118

Ion Ratio Lower Upper

105 100

120 44.5 36.0 54.0

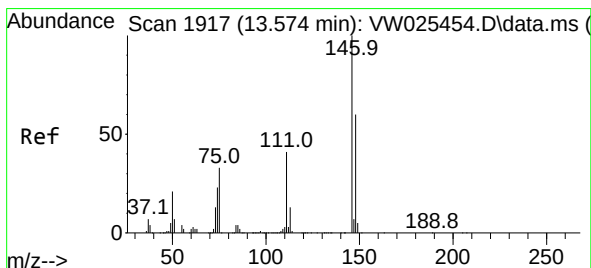
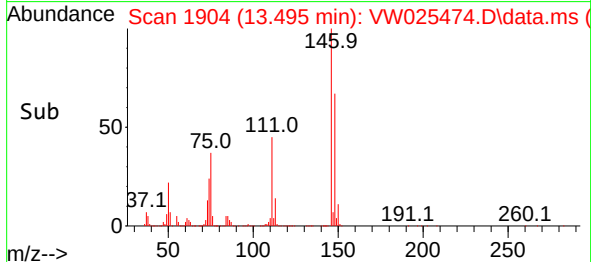
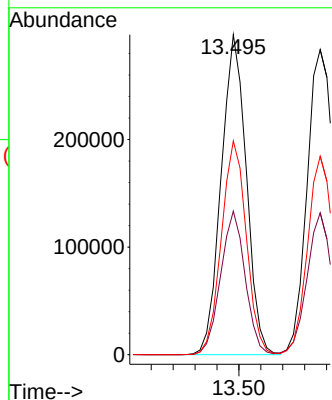
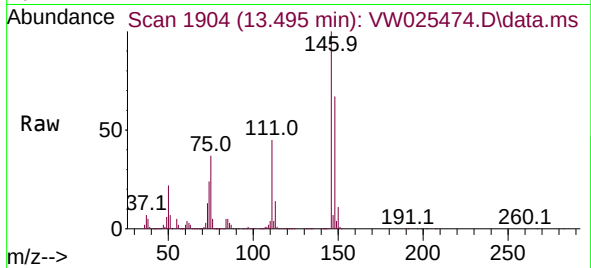




#64
1,3-Dichlorobenzene
Concen: 23.721 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

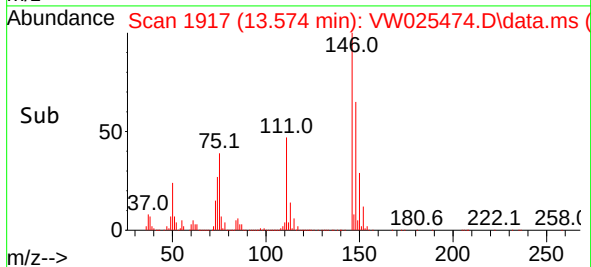
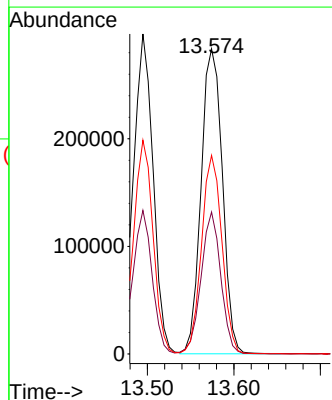
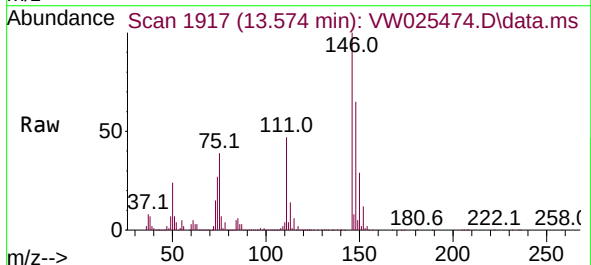
Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

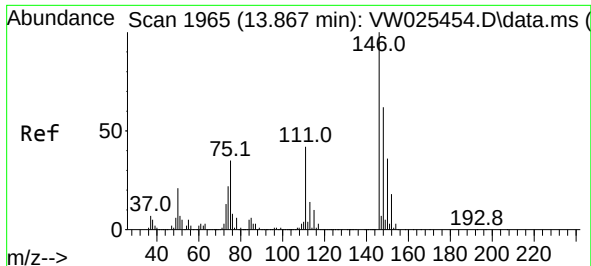
Tgt Ion:146 Resp: 474133
Ion Ratio Lower Upper
146 100
111 44.8 29.7 55.1
148 66.8 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 23.622 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion:146 Resp: 484324
Ion Ratio Lower Upper
146 100
111 46.5 28.2 52.4
148 65.1 39.8 73.8





#67

1,2-Dichlorobenzene

Concen: 24.203 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025555

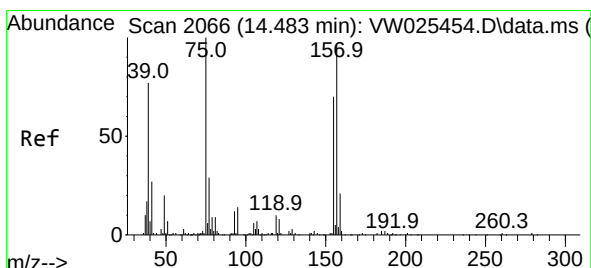
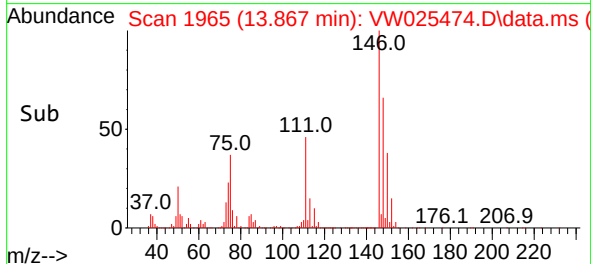
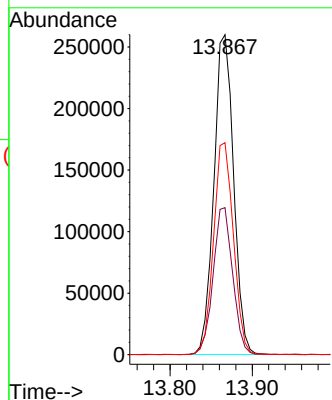
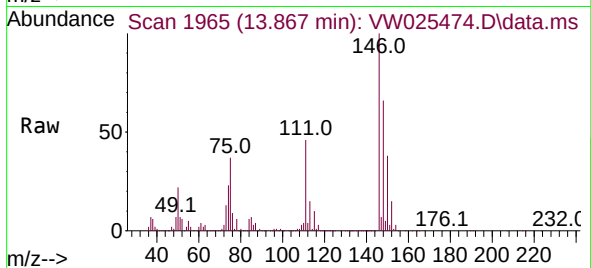
Tgt Ion:146 Resp: 433899

Ion Ratio Lower Upper

146 100

111 46.0 36.6 54.8

148 66.2 53.4 80.2



#68

1,2-Dibromo-3-chloropropane

Concen: 22.881 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

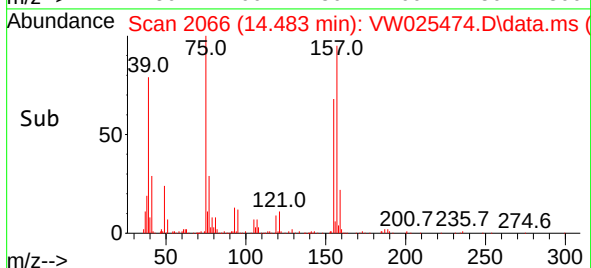
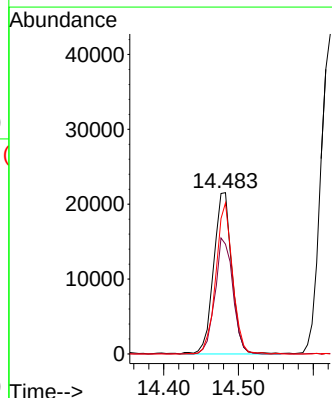
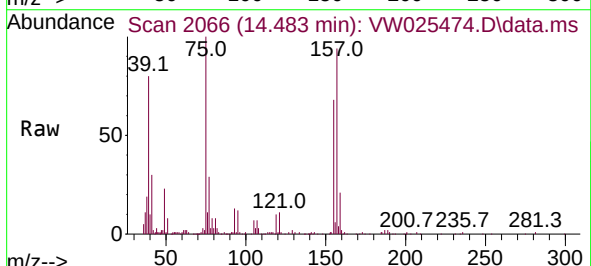
Tgt Ion: 75 Resp: 36519

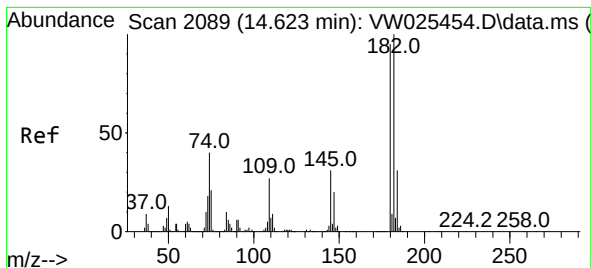
Ion Ratio Lower Upper

75 100

155 68.1 55.4 83.0

157 93.7 75.3 112.9





#69

1,3,5-Trichlorobenzene

Concen: 23.978 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025555

Tgt Ion:180 Resp: 325802

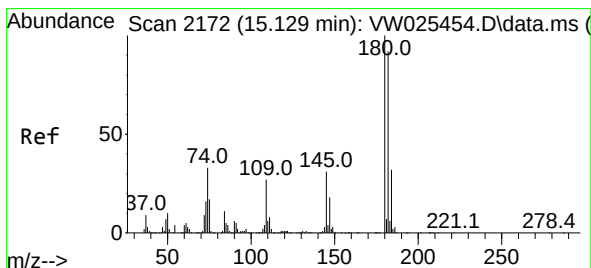
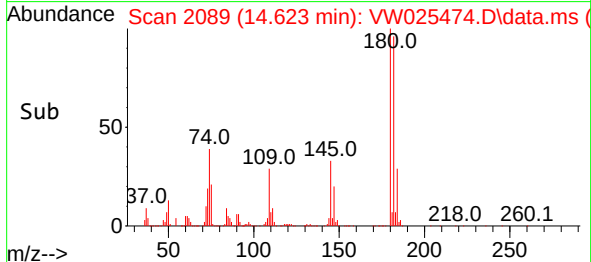
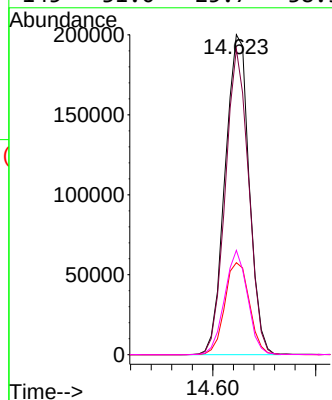
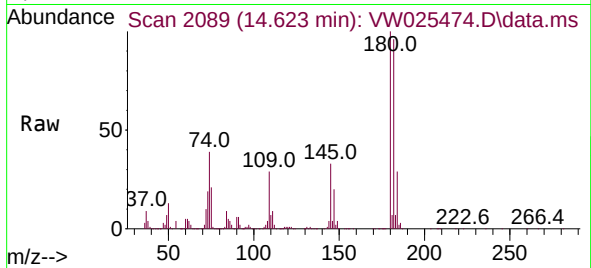
Ion Ratio Lower Upper

180 100

182 92.2 77.1 115.7

184 29.4 24.7 37.1

145 31.0 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 23.620 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW025474.D

Acq: 21 Mar 2023 17:28

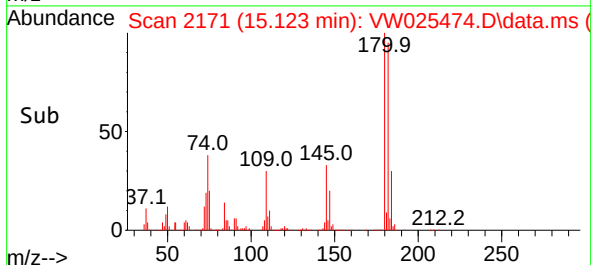
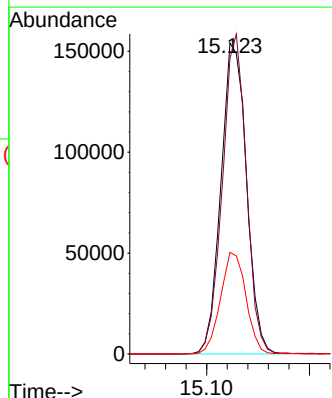
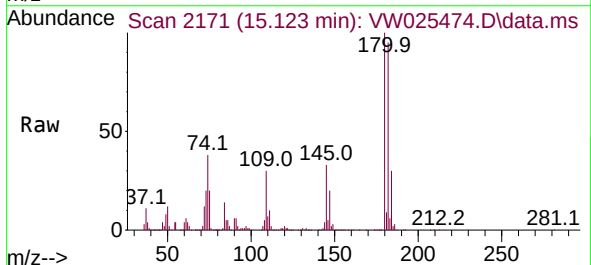
Tgt Ion:180 Resp: 266092

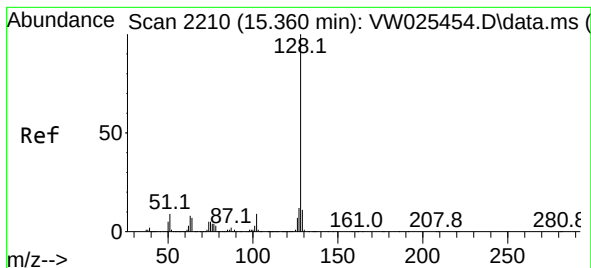
Ion Ratio Lower Upper

180 100

182 96.2 75.5 113.3

145 32.5 25.2 37.8

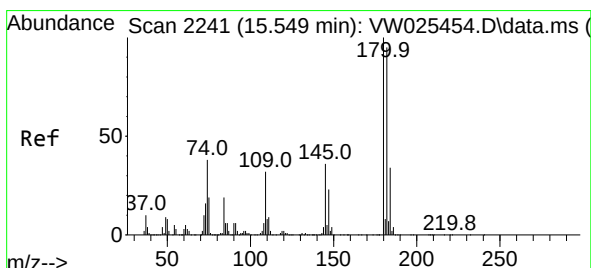
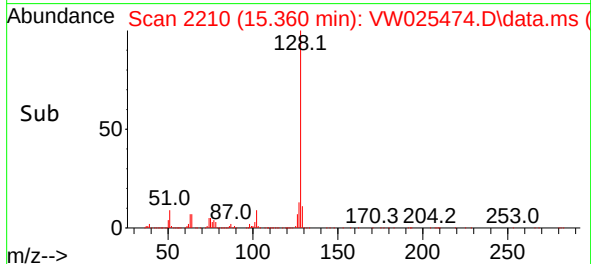
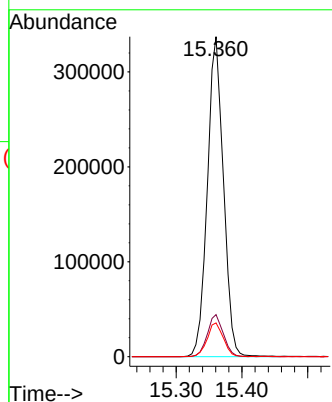
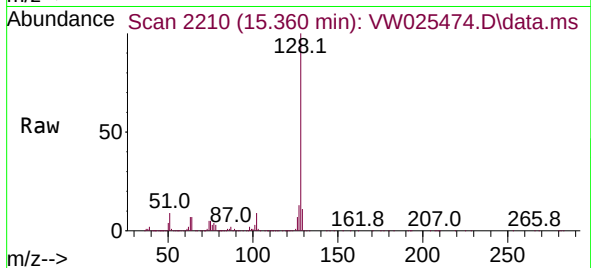




#71
Naphthalene
Concen: 25.757 ug/L
RT: 15.360 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD025555

Tgt Ion:128 Resp: 572785
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.6 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 24.112 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW025474.D
Acq: 21 Mar 2023 17:28

Tgt Ion:180 Resp: 243981
Ion Ratio Lower Upper
180 100
182 94.7 76.6 114.8
145 34.2 27.7 41.5

