

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042023\
 Data File : VW025617.D
 Acq On : 20 Apr 2023 19:39
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025574

Quant Time: Apr 21 01:53:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 21 01:47:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	683427	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	610637	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	298929	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	185575	16.686	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.760%
7) Chloroethane-d5	2.899	69	146607	18.516	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.080%
11) 1,1-Dichloroethene-d2	4.027	63	424912	18.893	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.560%
21) 2-Butanone-d5	7.075	46	150739	60.757	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.520%
24) Chloroform-d	7.648	84	428497	22.330	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.320%
26) 1,2-Dichloroethane-d4	8.307	65	237512	23.792	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.160%
32) Benzene-d6	8.276	84	857307	21.682	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.720%
36) 1,2-Dichloropropane-d6	9.276	67	274359	22.254	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.000%
41) Toluene-d8	10.324	98	739886	21.422	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.680%
43) trans-1,3-Dichloroprop...	10.581	79	103704	22.436	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.760%
47) 2-Hexanone-d5	10.922	63	107193	63.611	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.220%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	230738	27.729	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.920%
66) 1,2-Dichlorobenzene-d4	13.848	152	237005	23.078	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	187730	19.643	ug/L	91
3) Chloromethane	2.222	50	253919	22.900	ug/L	98
5) Vinyl chloride	2.375	62	268608	21.914	ug/L	96
6) Bromomethane	2.789	94	145719	22.100	ug/L	99
8) Chloroethane	2.936	64	152875	22.269	ug/L	98
9) Trichlorofluoromethane	3.265	101	196689	20.829	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	226905	23.945	ug/L	99
12) 1,1-Dichloroethene	4.045	96	211783	22.328	ug/L	96
13) Acetone	4.124	43	106841	50.881	ug/L	100
14) Carbon disulfide	4.393	76	685017	20.470	ug/L	99
15) Methyl Acetate	4.667	43	138390	29.335	ug/L	98
16) Methylene chloride	4.917	84	258016	23.751	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	230845	22.892	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	378270	27.181	ug/L	99
19) 1,1-Dichloroethane	6.215	63	494961	24.566	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	261667	24.939	ug/L #	98
22) 2-Butanone	7.173	43	185041	61.989	ug/L	95
23) Bromochloromethane	7.514	128	108943	25.319	ug/L	96
25) Chloroform	7.673	83	466122	25.299	ug/L	97

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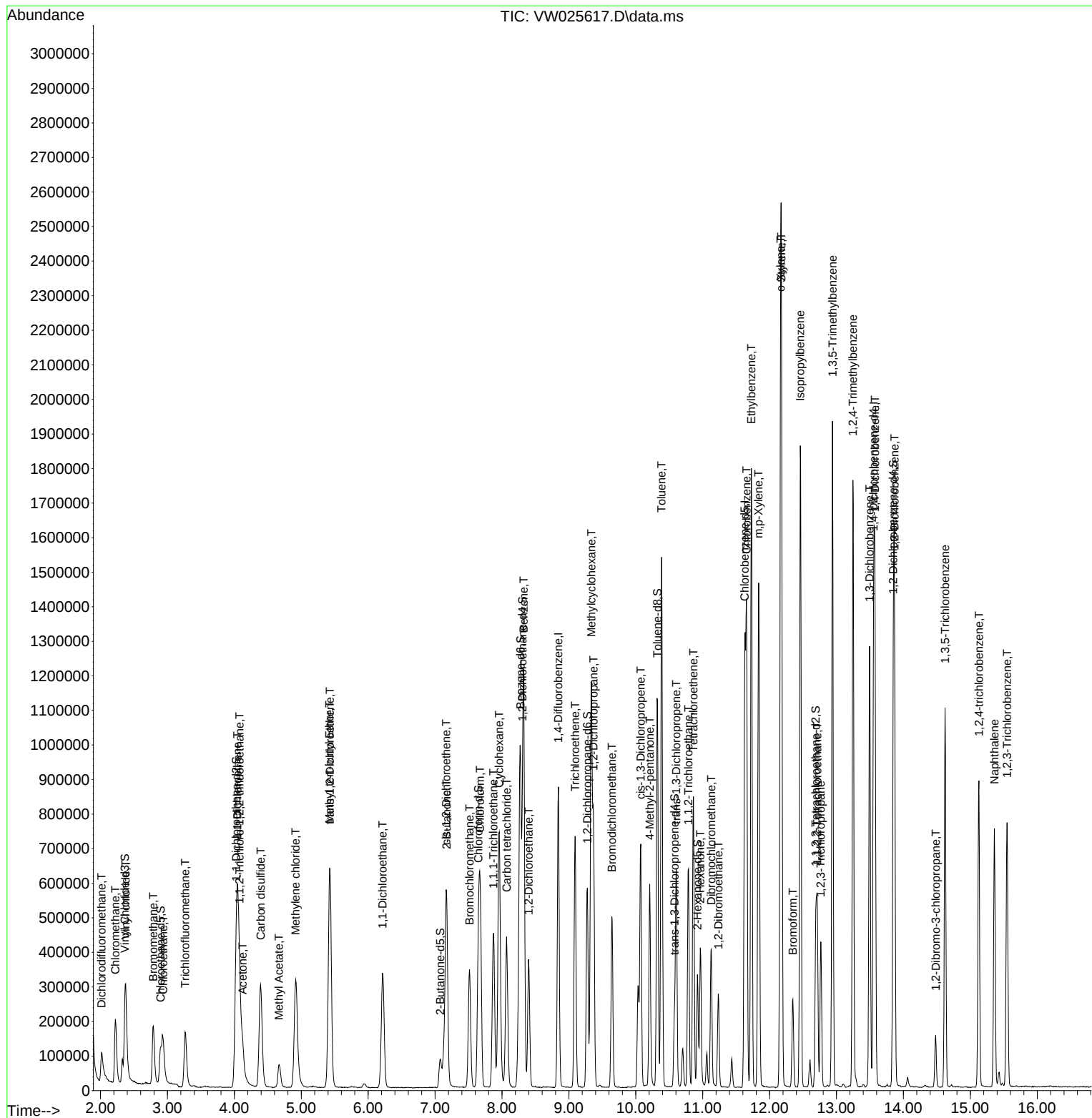
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	325221	26.304	ug/L	99
29) Cyclohexane	7.959	56	435170	22.018	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	358350	23.618	ug/L	99
31) Carbon tetrachloride	8.069	117	318655	23.256	ug/L	100
33) Benzene	8.325	78	1044117	24.566	ug/L	100
34) Trichloroethene	9.093	95	253429	22.923	ug/L	96
35) Methylcyclohexane	9.337	83	439247	22.003	ug/L	99
37) 1,2-Dichloropropane	9.367	63	286680	25.540	ug/L	99
38) Bromodichloromethane	9.642	83	331842	25.838	ug/L	96
39) cis-1,3-Dichloropropene	10.075	75	403177	25.040	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	399706	62.910	ug/L	99
42) Toluene	10.385	91	1066998	24.654	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	339515	25.571	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	194794	27.216	ug/L	97
46) Tetrachloroethene	10.861	164	174430	22.433	ug/L	98
48) 2-Hexanone	10.965	43	272640	62.106	ug/L	96
49) Dibromochloromethane	11.129	129	203594	27.017	ug/L	97
50) 1,2-Dibromoethane	11.233	107	178568	27.153	ug/L	98
51) Chlorobenzene	11.653	112	661432	24.801	ug/L	99
52) Ethylbenzene	11.727	91	1201459	24.531	ug/L	100
53) m,p-Xylene	11.836	106	445846	24.823	ug/L	96
54) o-Xylene	12.166	106	426784	25.400	ug/L	93
55) Styrene	12.178	104	749675	26.508	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.714	83	246331	28.733	ug/L	99
59) Bromoform	12.348	173	115537	28.206	ug/L	98
60) Isopropylbenzene	12.458	105	1164700	24.873	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	178258	28.772	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	938270	25.383	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	907988	25.510	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	474671	24.461	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	489961	24.724	ug/L	90
67) 1,2-Dichlorobenzene	13.867	146	427948	25.156	ug/L	87
68) 1,2-Dibromo-3-chloropr...	14.482	75	38541	28.358	ug/L	94
69) 1,3,5-Trichlorobenzene	14.622	180	310687	23.914	ug/L	96
70) 1,2,4-trichlorobenzene	15.128	180	258767	24.519	ug/L	96
71) Naphthalene	15.360	128	579519	29.428	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	235837	25.558	ug/L	94

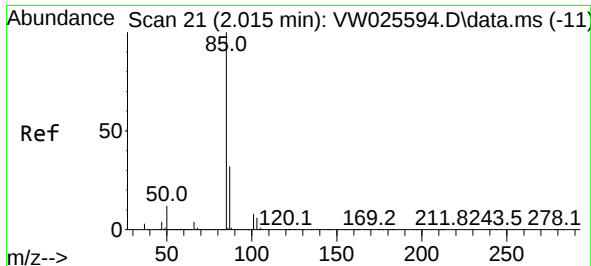
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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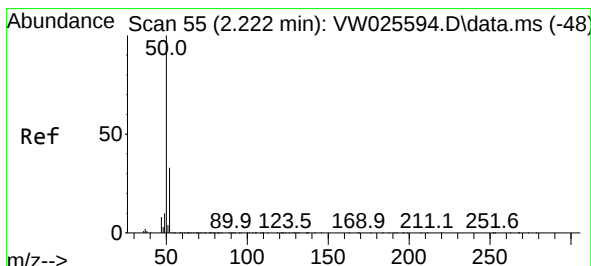
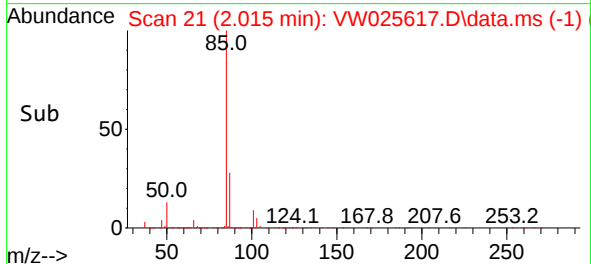
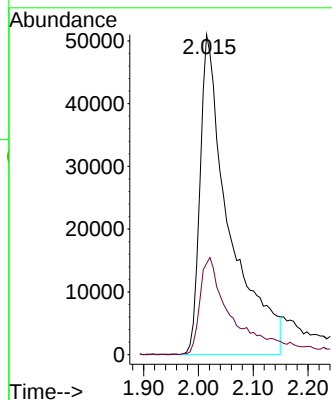
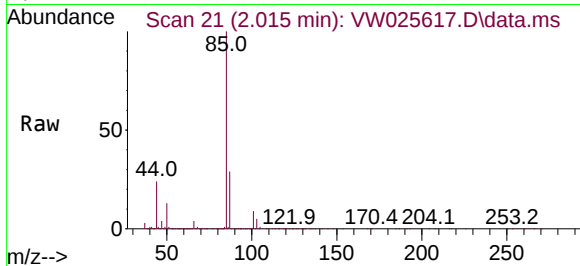




#2
 Dichlorodifluoromethane
 Concen: 19.643 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW025617.D
 Acq: 20 Apr 2023 19:39

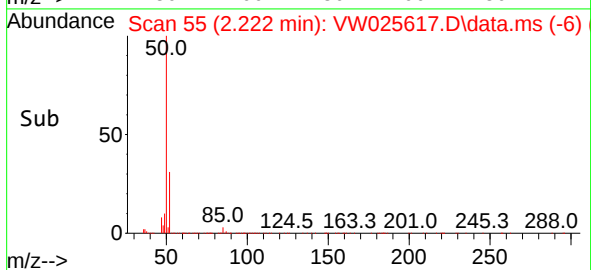
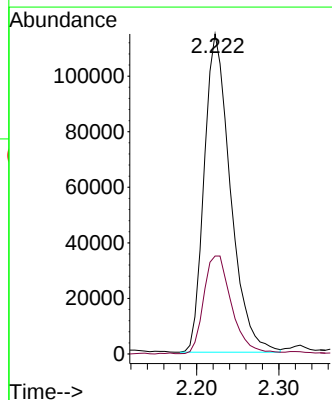
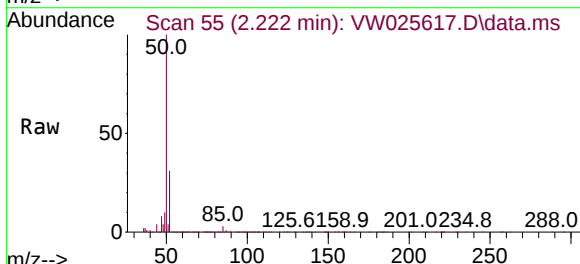
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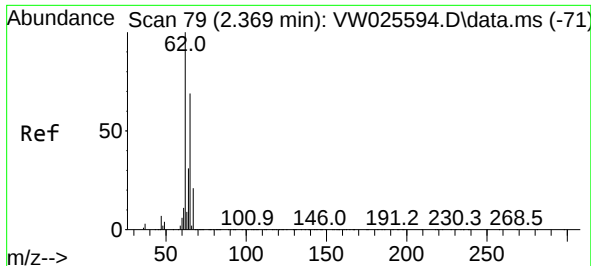
Tgt Ion: 85 Resp: 187730
 Ion Ratio Lower Upper
 85 100
 87 26.1 24.6 37.0



#3
 Chloromethane
 Concen: 22.900 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW025617.D
 Acq: 20 Apr 2023 19:39

Tgt Ion: 50 Resp: 253919
 Ion Ratio Lower Upper
 50 100
 52 30.6 22.2 41.2

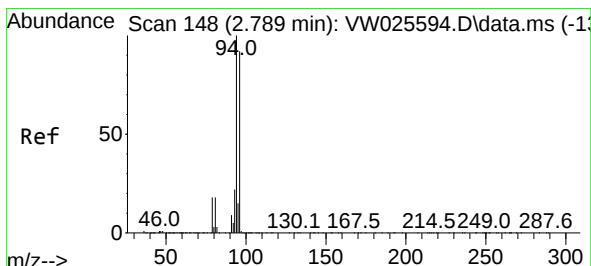
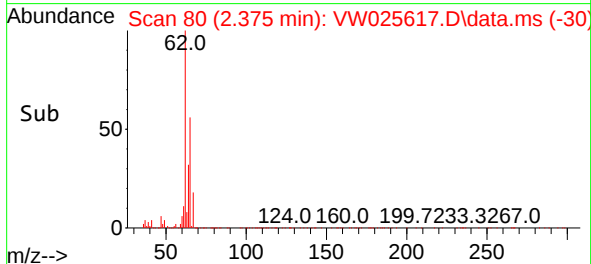
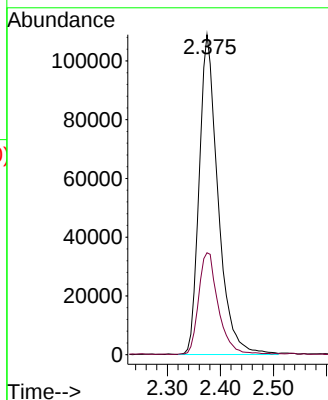
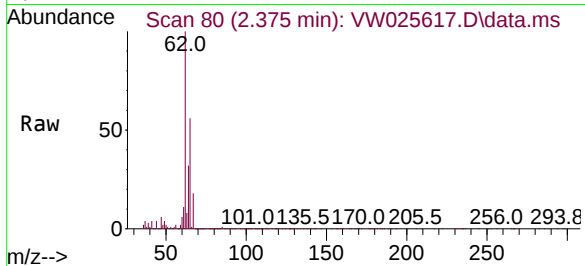




#5
 Vinyl chloride
 Concen: 21.914 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW025617.D
 Acq: 20 Apr 2023 19:39

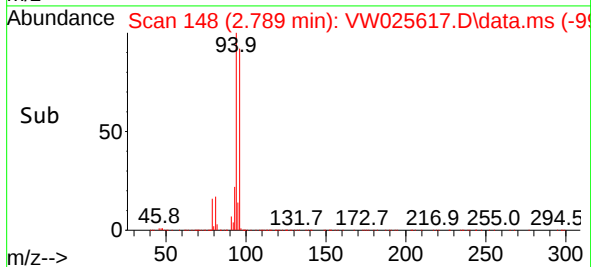
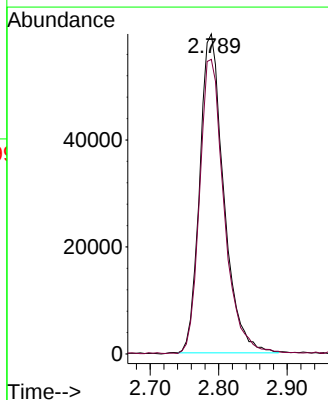
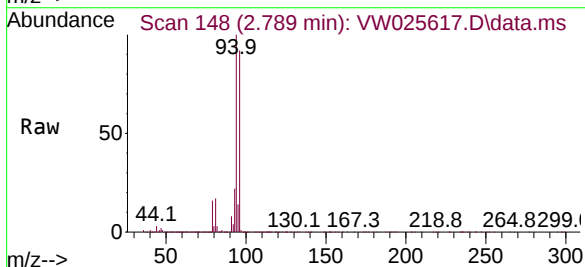
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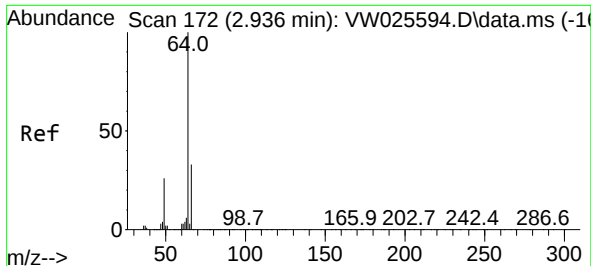
Tgt Ion: 62 Resp: 268608
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.9 44.3



#6
 Bromomethane
 Concen: 22.100 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW025617.D
 Acq: 20 Apr 2023 19:39

Tgt Ion: 94 Resp: 145719
 Ion Ratio Lower Upper
 94 100
 96 92.1 64.0 118.8

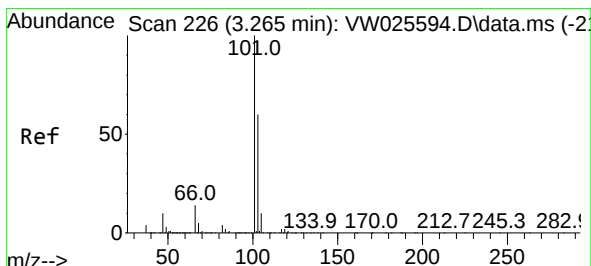
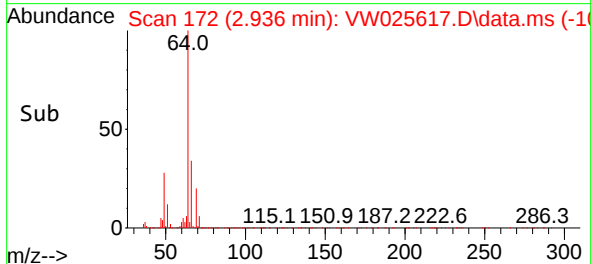
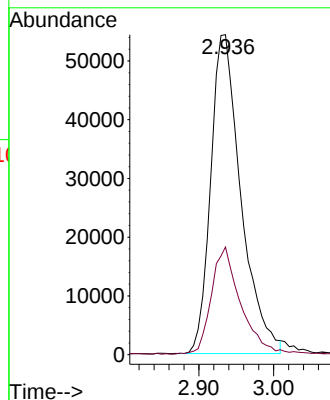
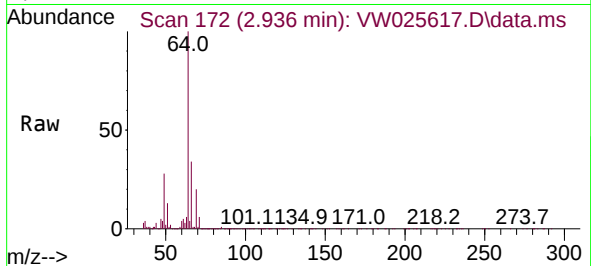




#8
Chloroethane
Concen: 22.269 ug/L
RT: 2.936 min Scan# 172
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

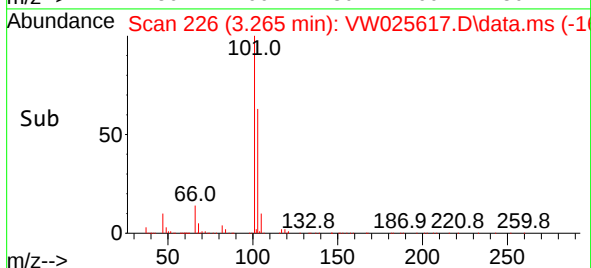
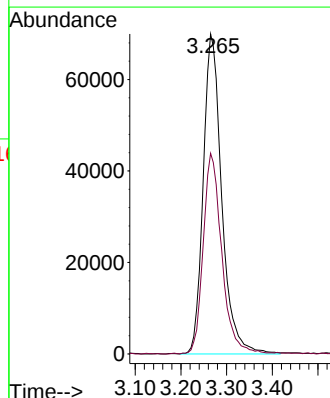
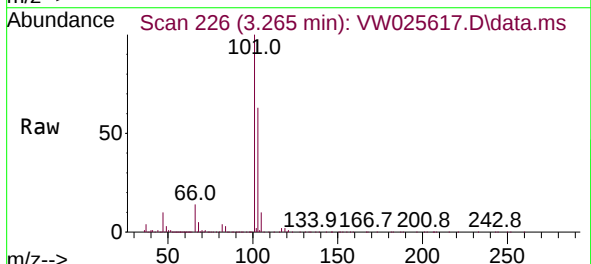
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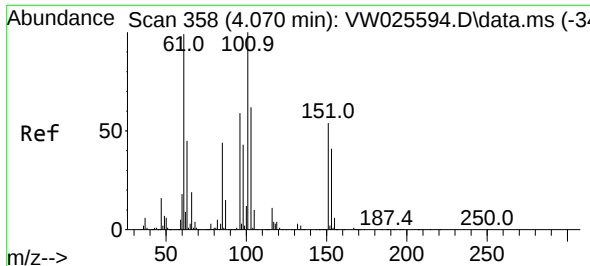
Tgt Ion: 64 Resp: 152875
Ion Ratio Lower Upper
64 100
66 33.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 20.829 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion: 101 Resp: 196689
Ion Ratio Lower Upper
101 100
103 62.6 52.3 78.5

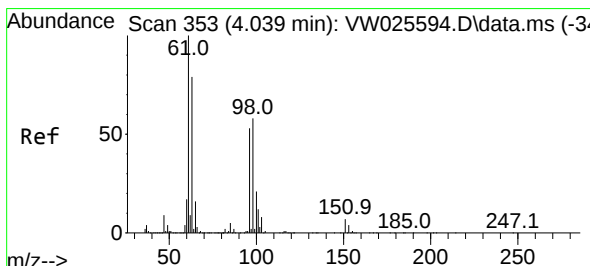
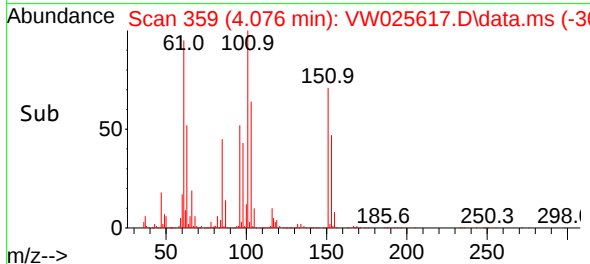
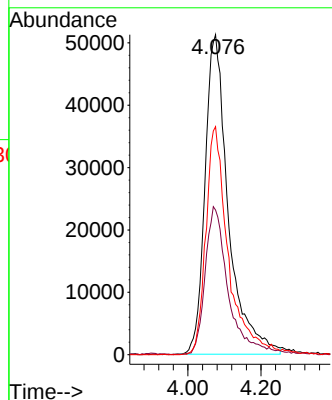
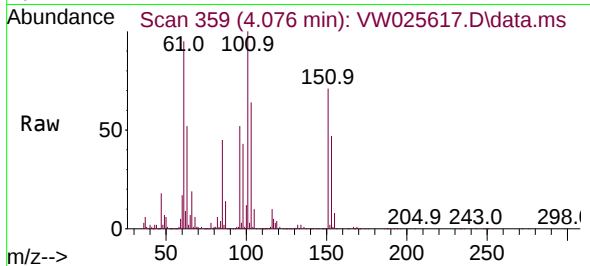




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.945 ug/L
 RT: 4.076 min Scan# 358
 Delta R.T. 0.006 min
 Lab File: VW025617.D
 Acq: 20 Apr 2023 19:39

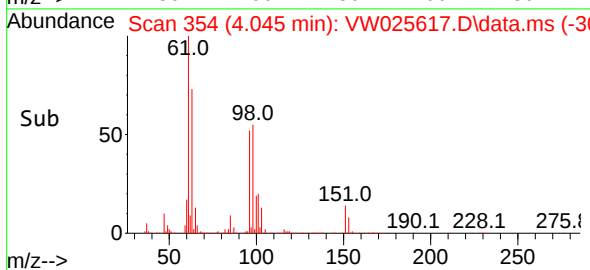
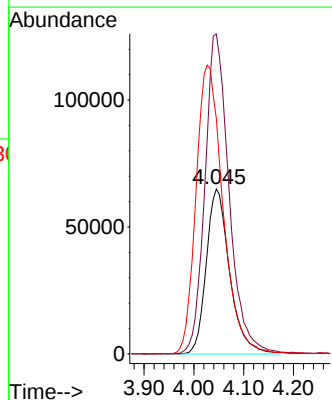
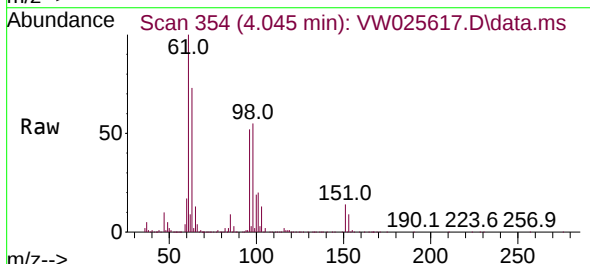
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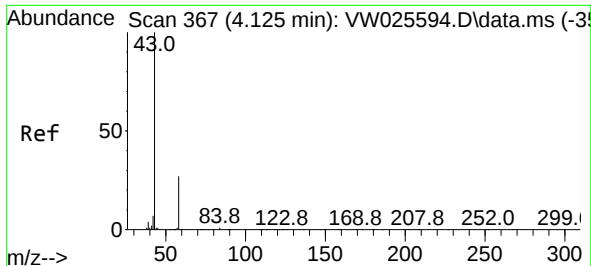
Tgt Ion:101 Resp: 226905
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.5 51.7
 151 67.4 54.8 82.2



#12
 1,1-Dichloroethene
 Concen: 22.328 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.006 min
 Lab File: VW025617.D
 Acq: 20 Apr 2023 19:39

Tgt Ion: 96 Resp: 211783
 Ion Ratio Lower Upper
 96 100
 61 193.9 132.7 246.4
 63 142.5 105.0 195.0

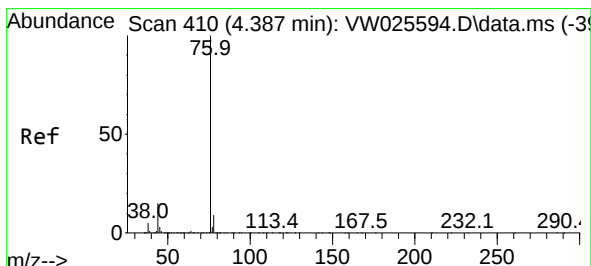
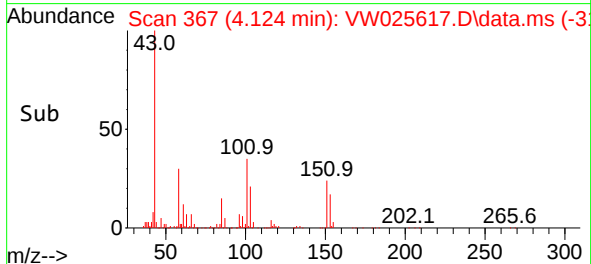
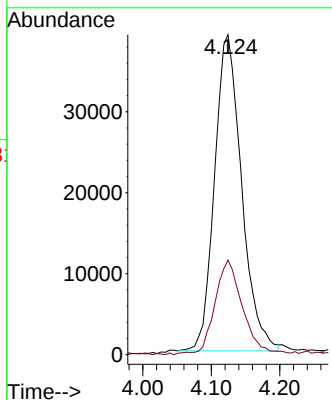
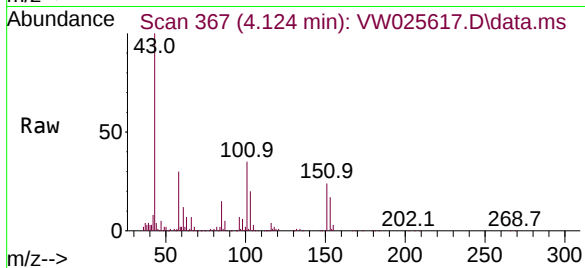




#13
Acetone
Concen: 50.881 ug/L
RT: 4.124 min Scan# 367
Delta R.T. -0.000 min
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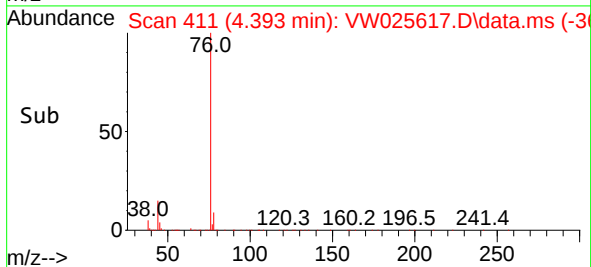
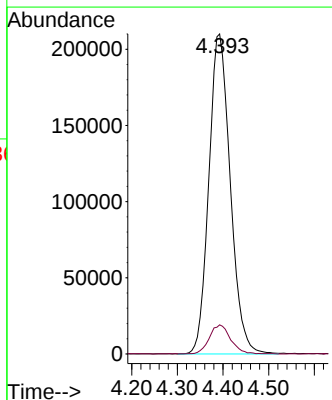
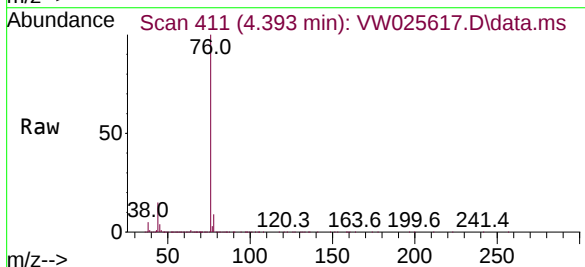
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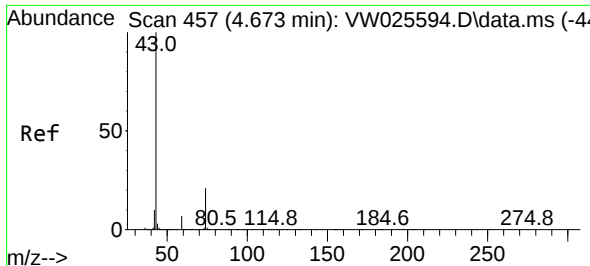
Tgt Ion: 43 Resp: 106841
Ion Ratio Lower Upper
43 100
58 28.9 0.0 57.4



#14
Carbon disulfide
Concen: 20.470 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
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Tgt Ion: 76 Resp: 685017
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

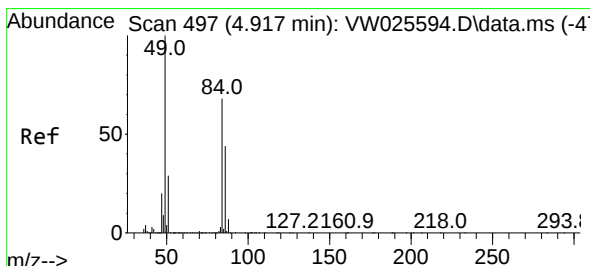
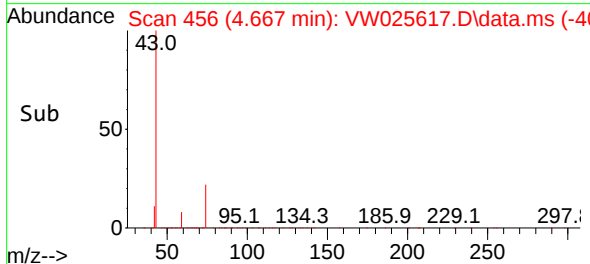
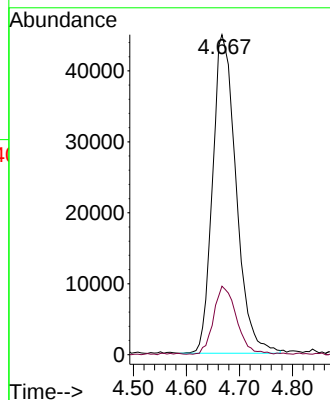
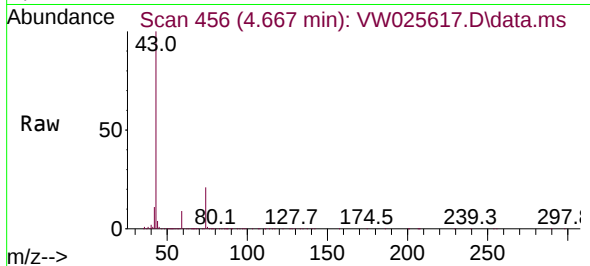




#15
Methyl Acetate
Concen: 29.335 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

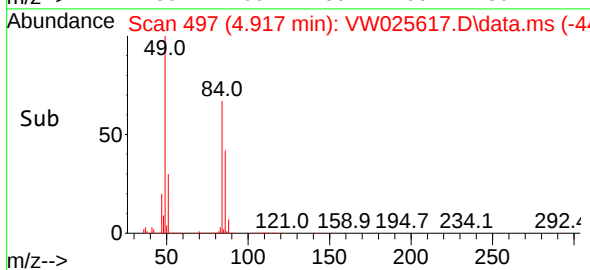
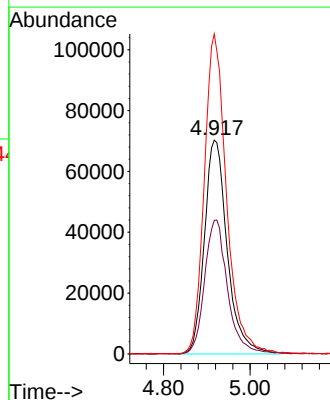
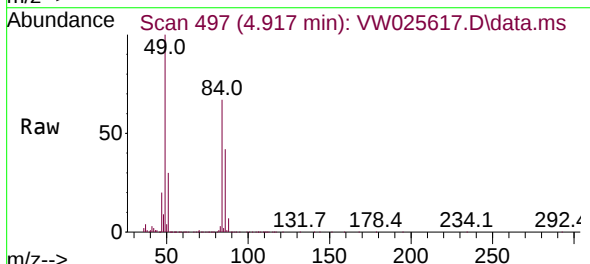
Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

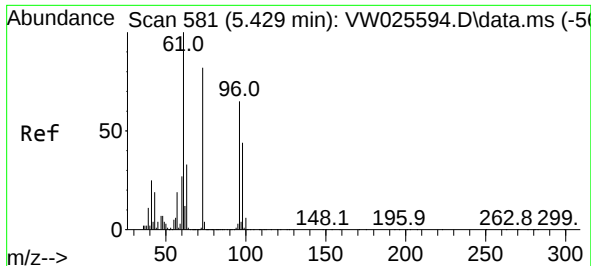
Tgt Ion: 43 Resp: 138390
Ion Ratio Lower Upper
43 100
74 20.5 17.0 25.4



#16
Methylene chloride
Concen: 23.751 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion: 84 Resp: 258016
Ion Ratio Lower Upper
84 100
86 62.4 44.9 83.3
49 149.6 101.4 188.4

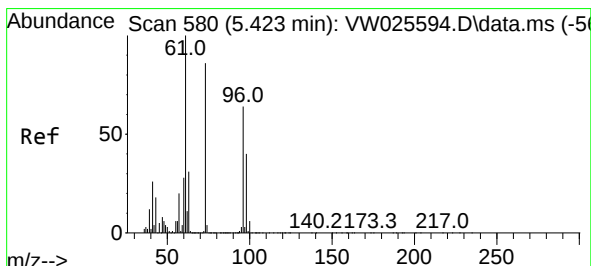
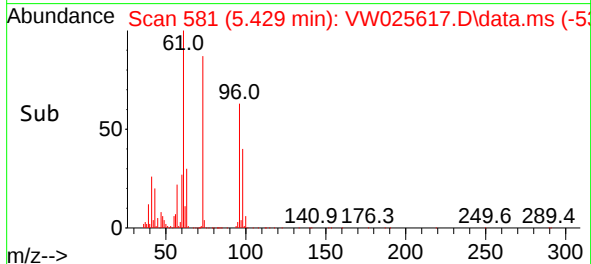
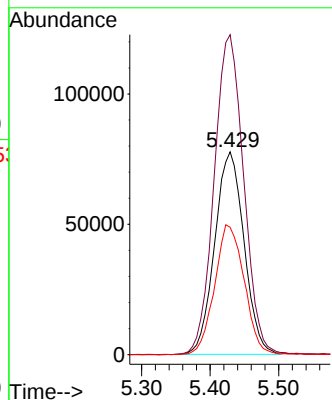
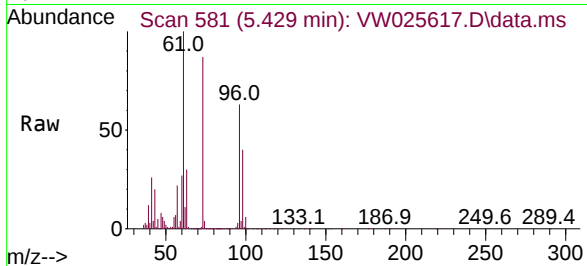




#17
trans-1,2-Dichloroethene
Concen: 22.892 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

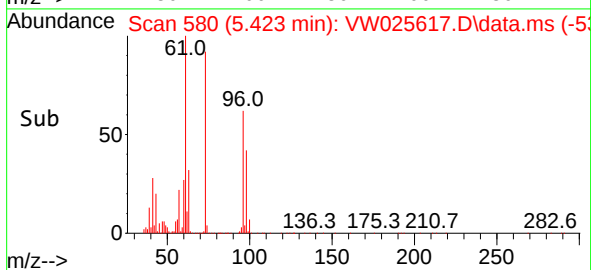
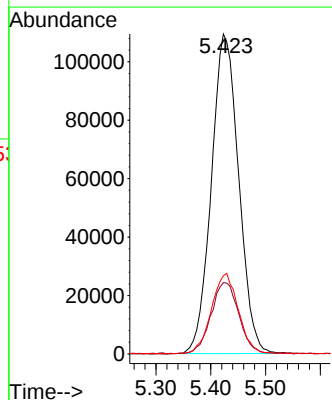
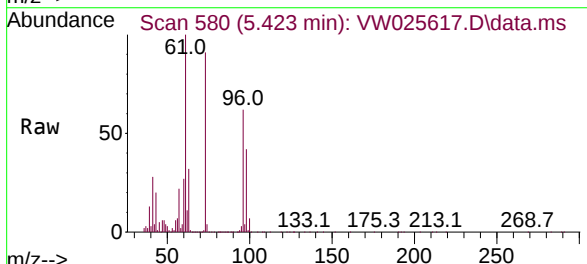
Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

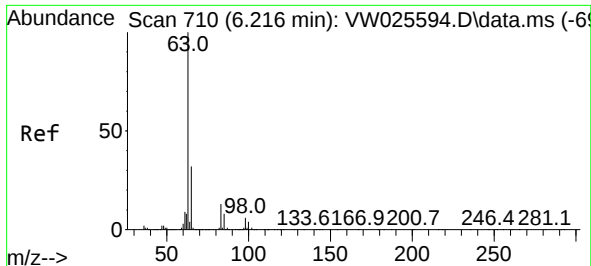
Tgt Ion: 96 Resp: 230845
Ion Ratio Lower Upper
96 100
61 157.7 113.3 210.3
98 62.8 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 27.181 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion: 73 Resp: 378270
Ion Ratio Lower Upper
73 100
43 22.5 17.8 26.6
57 24.6 19.0 28.6





#19

1,1-Dichloroethane

Concen: 24.566 ug/L

RT: 6.215 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025574

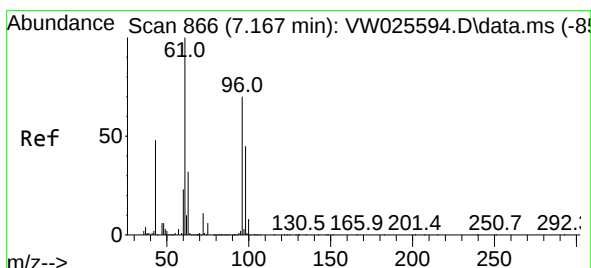
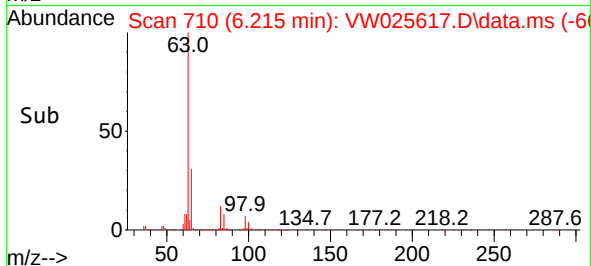
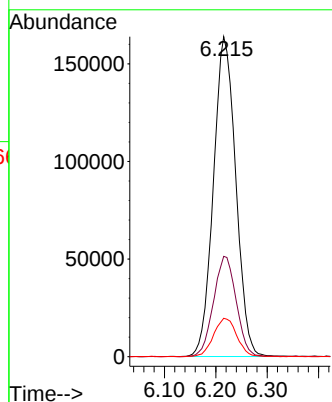
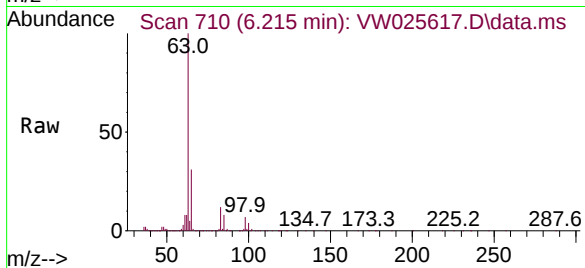
Tgt Ion: 63 Resp: 494961

Ion Ratio Lower Upper

63 100

65 31.4 21.9 40.7

83 12.0 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 24.939 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

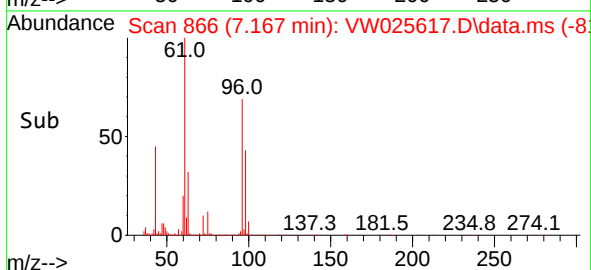
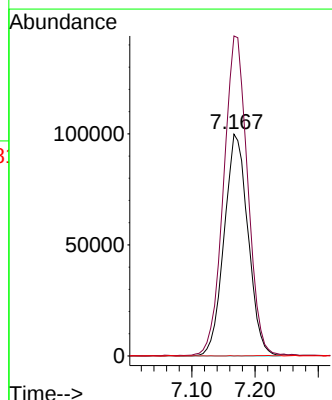
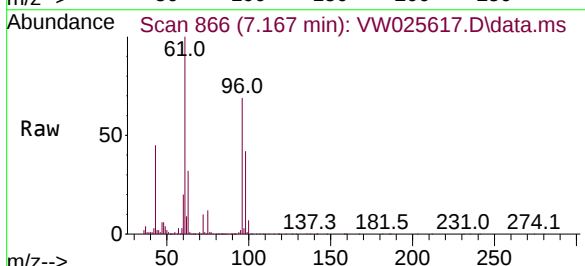
Tgt Ion: 96 Resp: 261667

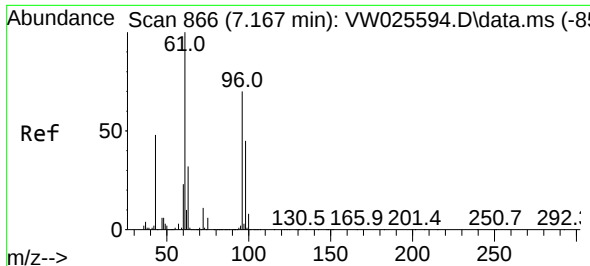
Ion Ratio Lower Upper

96 100

61 144.2 102.6 190.6

68 0.0 0.1 0.1#

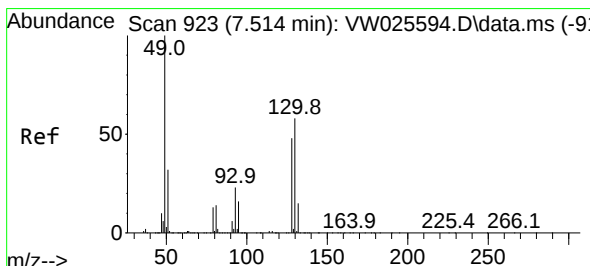
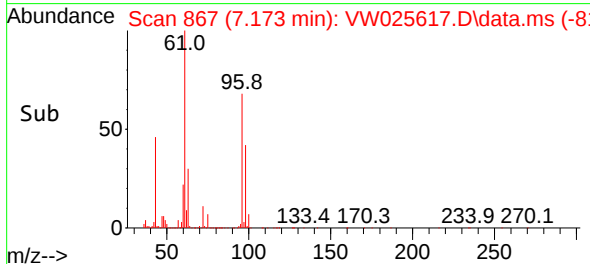
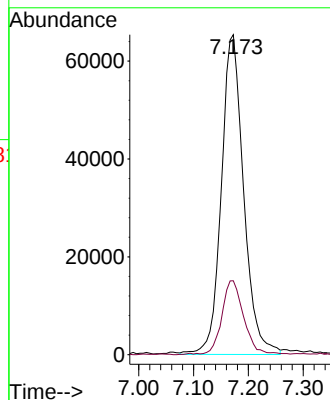
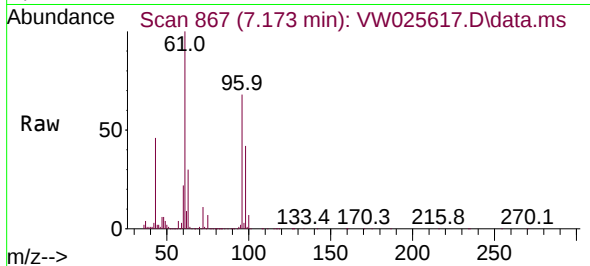




#22
2-Butanone
Concen: 61.989 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

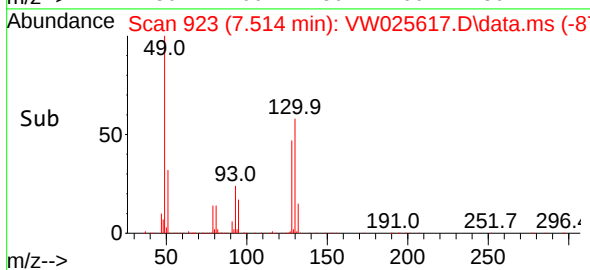
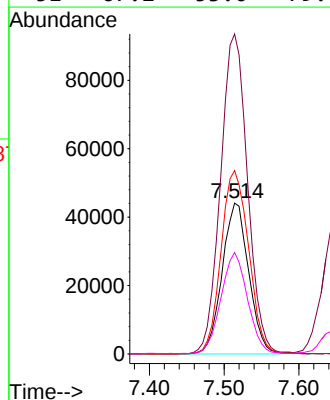
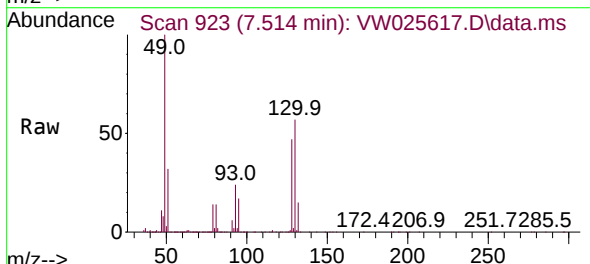
Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

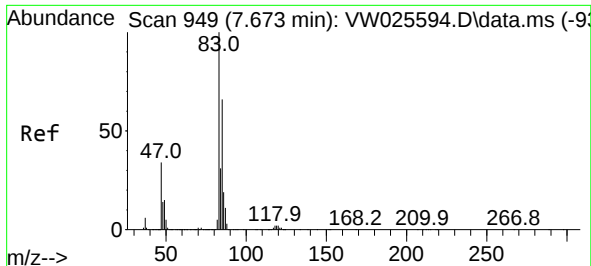
Tgt Ion: 43 Resp: 185041
Ion Ratio Lower Upper
43 100
72 21.6 12.0 36.0



#23
Bromochloromethane
Concen: 25.319 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion: 128 Resp: 108943
Ion Ratio Lower Upper
128 100
49 212.2 141.7 263.3
130 121.6 86.7 160.9
51 67.2 53.0 79.6

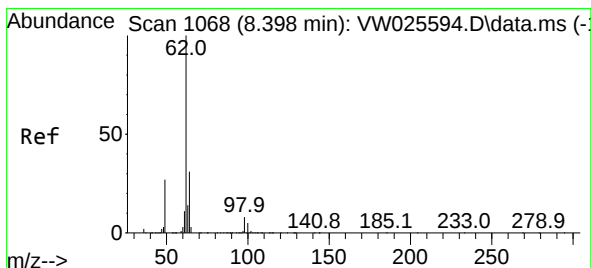
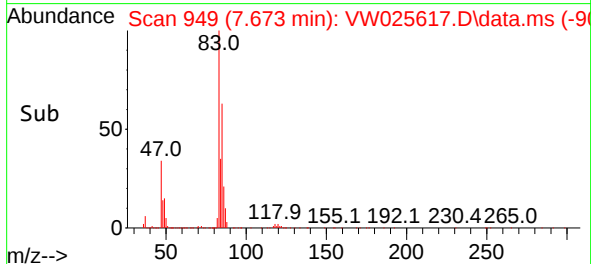
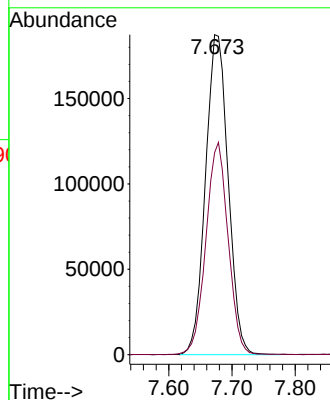
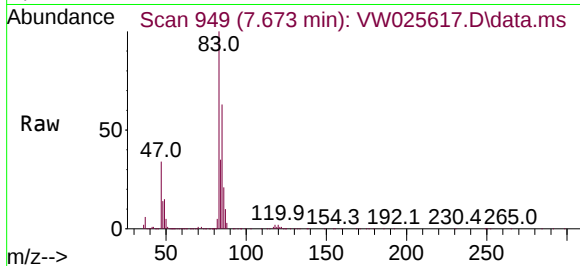




#25
Chloroform
Concen: 25.299 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

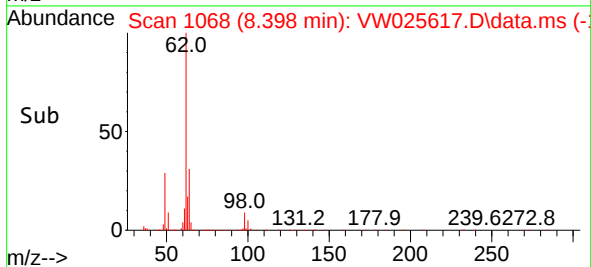
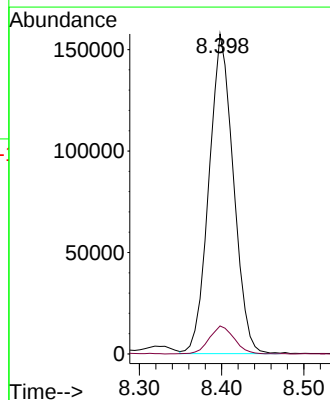
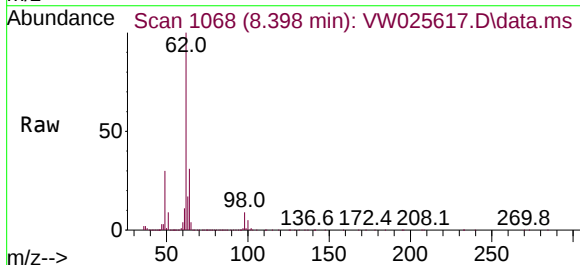
Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

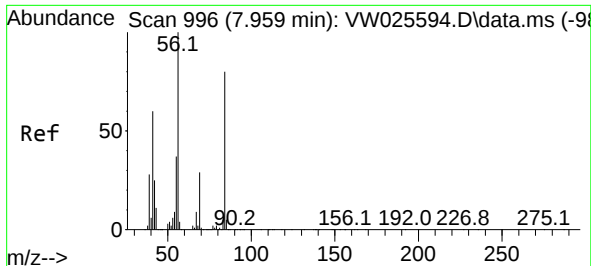
Tgt Ion: 83 Resp: 466122
Ion Ratio Lower Upper
83 100
85 63.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 26.304 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion: 62 Resp: 325221
Ion Ratio Lower Upper
62 100
98 8.7 6.6 10.0





#29

Cyclohexane

Concen: 22.018 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025574

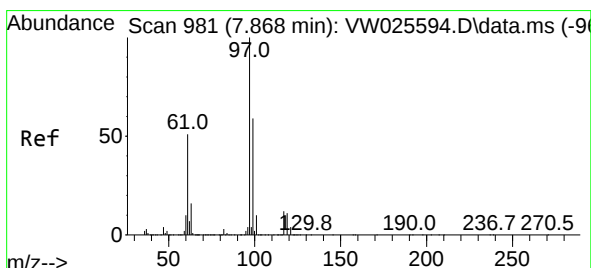
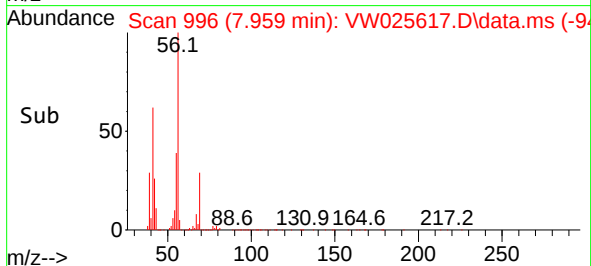
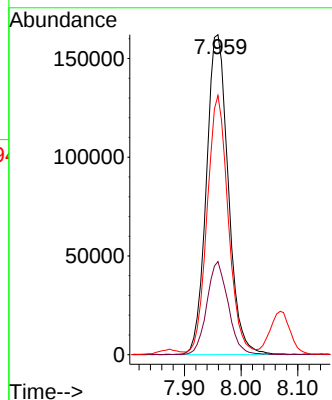
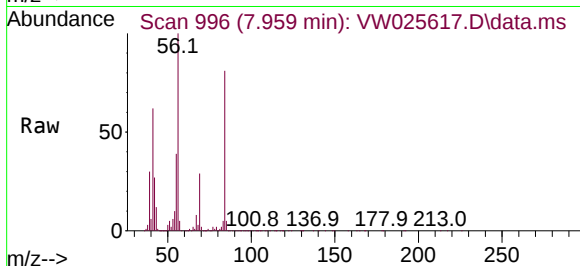
Tgt Ion: 56 Resp: 435170

Ion Ratio Lower Upper

56 100

69 28.2 22.7 34.1

84 77.7 62.5 93.7



#30

1,1,1-Trichloroethane

Concen: 23.618 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

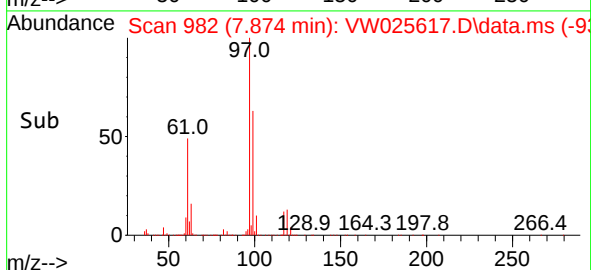
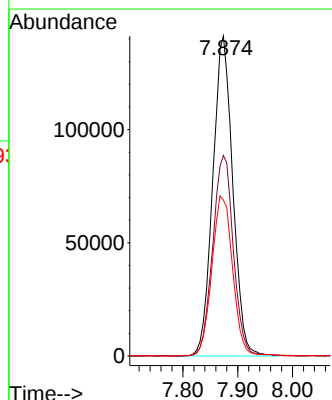
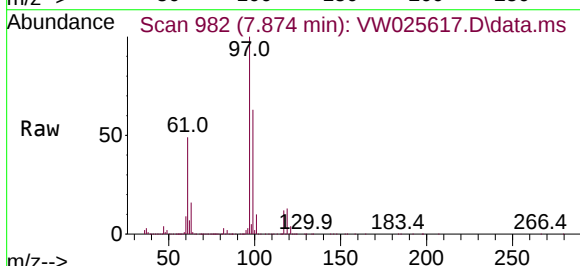
Tgt Ion: 97 Resp: 358350

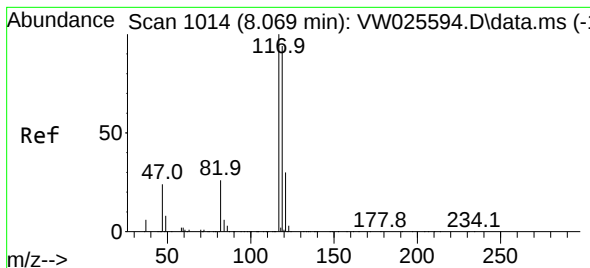
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

61 51.4 40.5 60.7

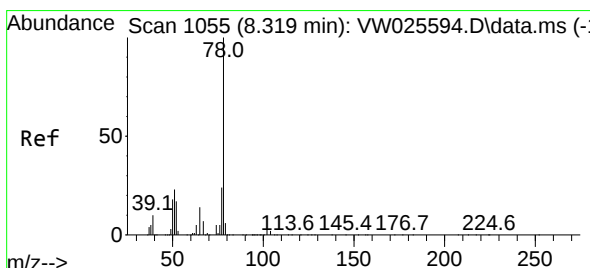
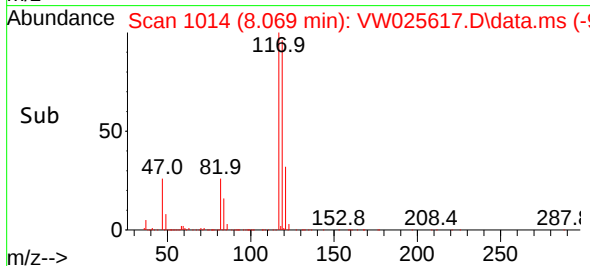
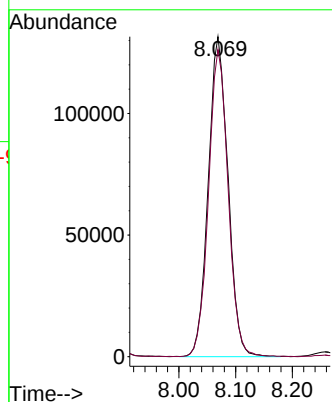
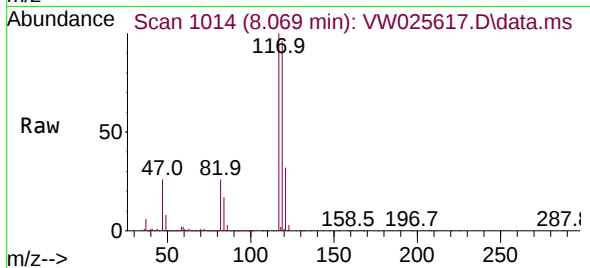




#31
Carbon tetrachloride
Concen: 23.256 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

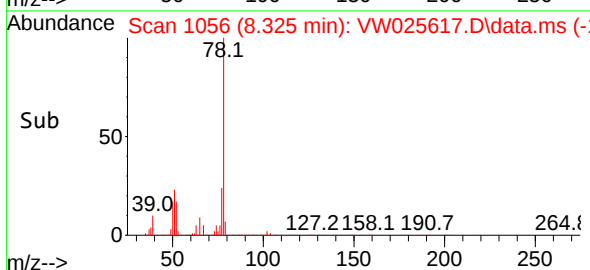
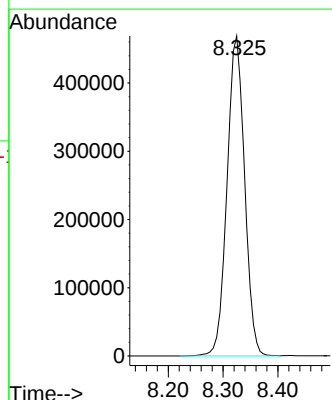
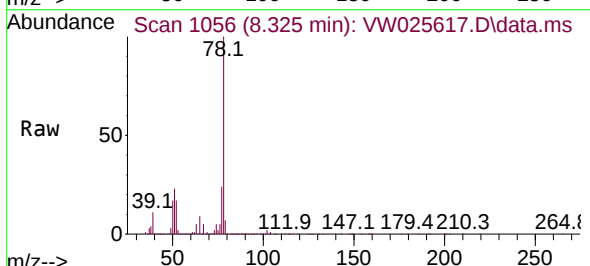
Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

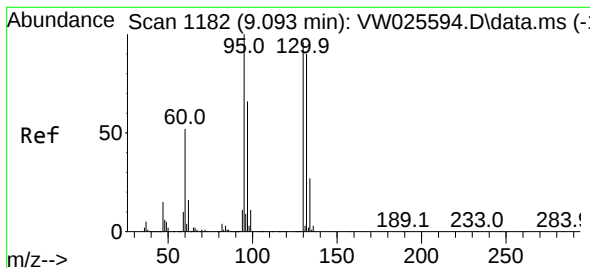
Tgt Ion:117 Resp: 318655
Ion Ratio Lower Upper
117 100
119 95.0 75.7 113.5



#33
Benzene
Concen: 24.566 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion: 78 Resp: 1044117





#34

Trichloroethene

Concen: 22.923 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025574

Tgt Ion: 95 Resp: 253429

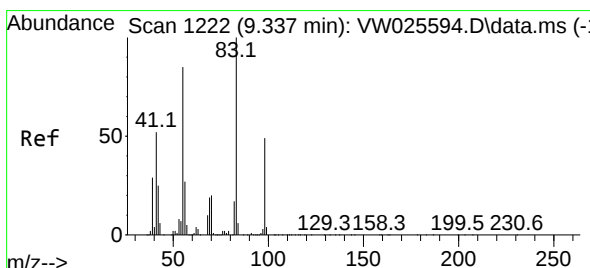
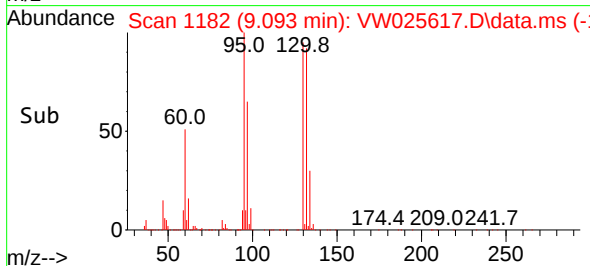
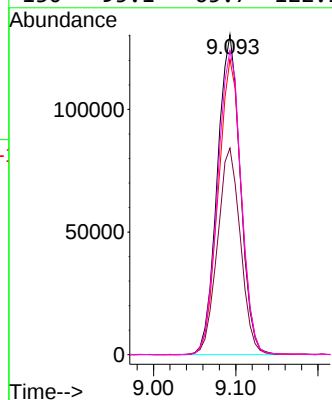
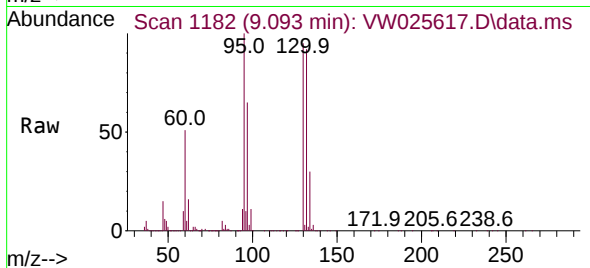
Ion Ratio Lower Upper

95 100

97 64.6 42.5 78.9

132 92.3 59.8 111.1

130 95.1 65.7 122.1



#35

Methylcyclohexane

Concen: 22.003 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

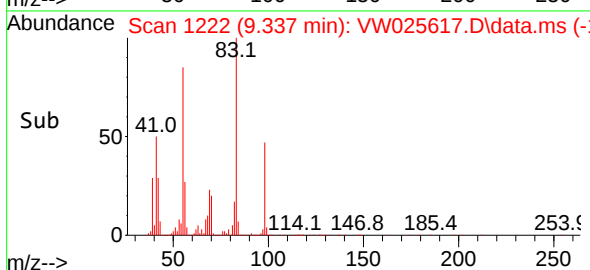
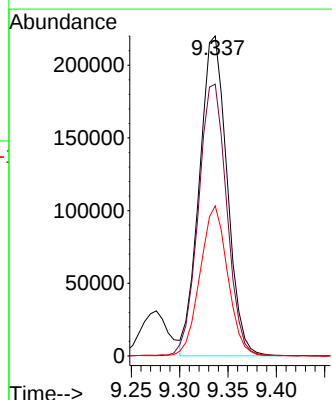
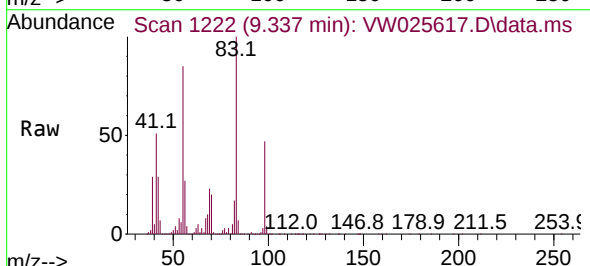
Tgt Ion: 83 Resp: 439247

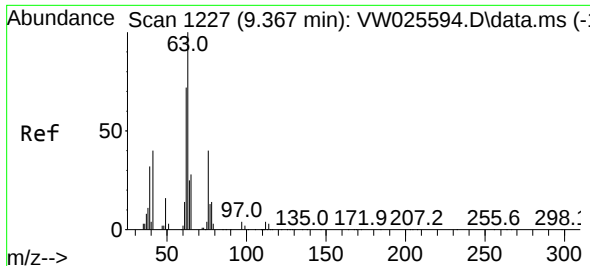
Ion Ratio Lower Upper

83 100

55 86.8 68.7 103.1

98 46.8 37.7 56.5





#37

1,2-Dichloropropane

Concen: 25.540 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

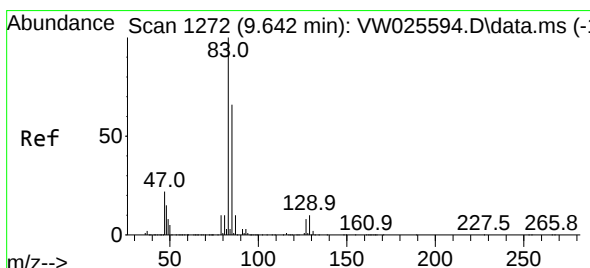
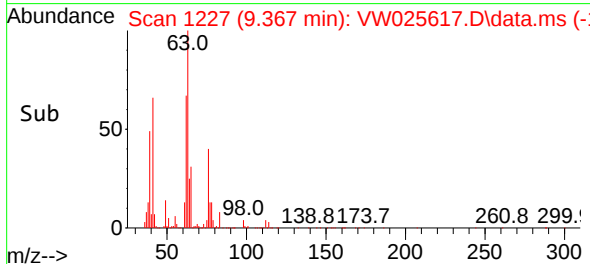
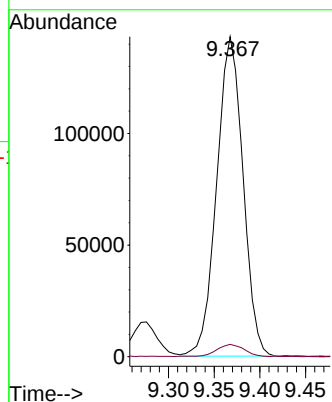
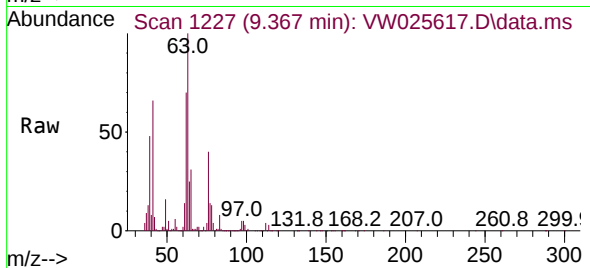
VSTD025574

Tgt Ion: 63 Resp: 286680

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.0



#38

Bromodichloromethane

Concen: 25.838 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

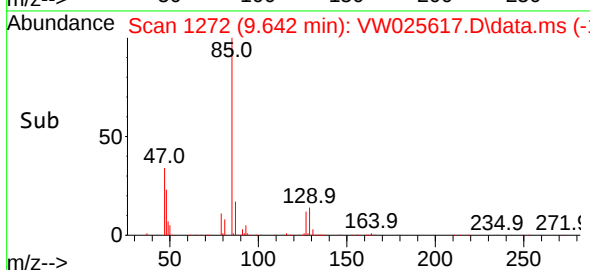
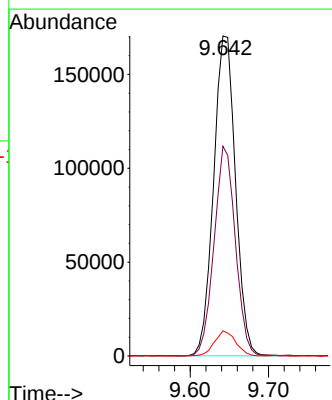
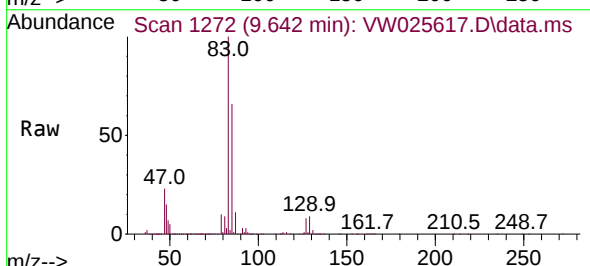
Tgt Ion: 83 Resp: 331842

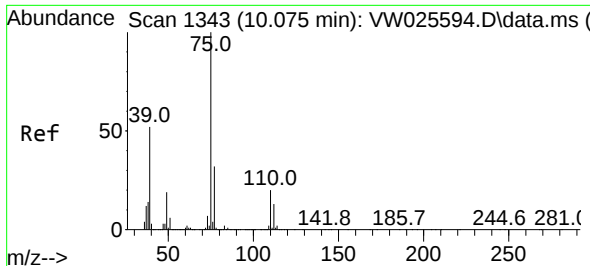
Ion Ratio Lower Upper

83 100

85 65.5 43.5 80.7

127 7.9 5.8 8.8





#39

cis-1,3-Dichloropropene

Concen: 25.040 ug/L

RT: 10.075 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

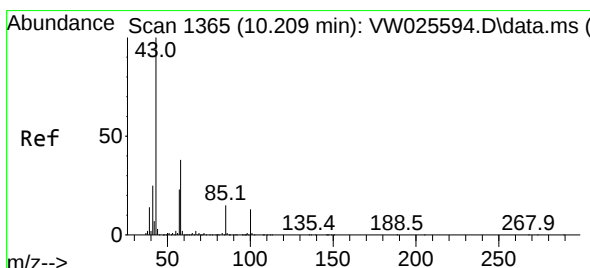
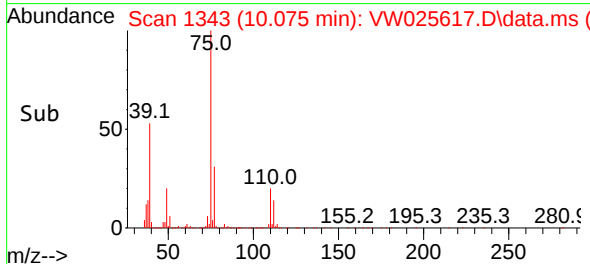
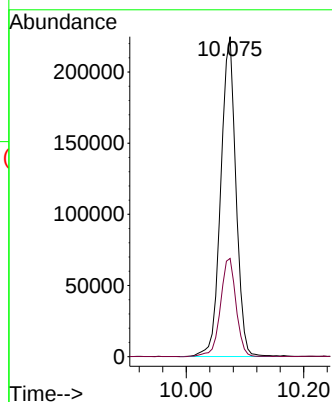
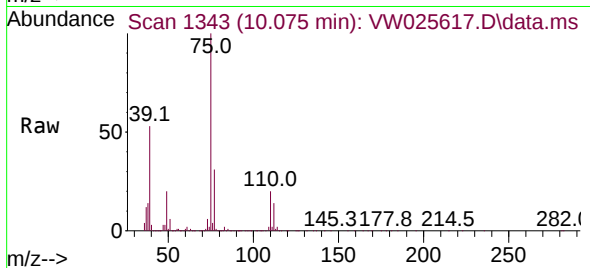
VSTD025574

Tgt Ion: 75 Resp: 403177

Ion Ratio Lower Upper

75 100

77 30.7 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 62.910 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

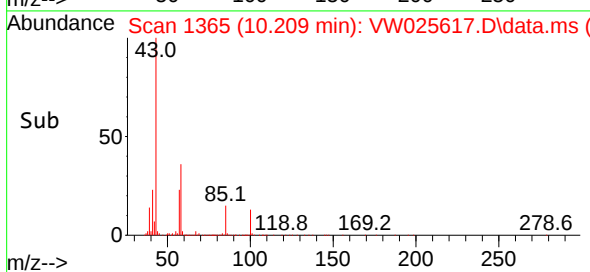
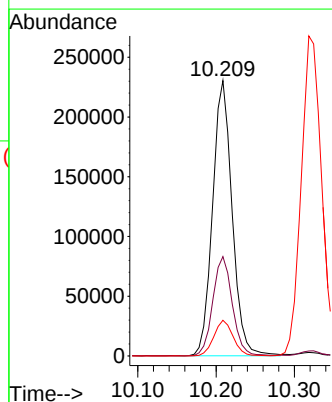
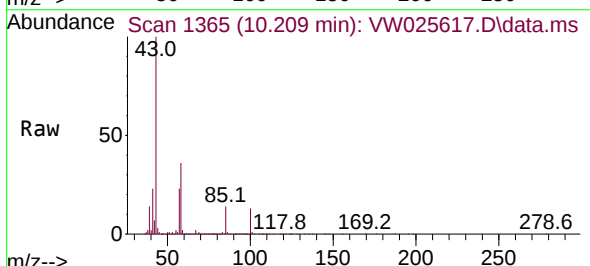
Tgt Ion: 43 Resp: 399706

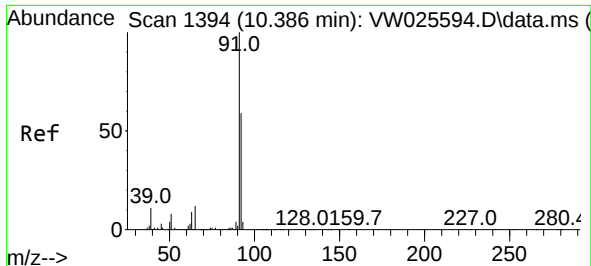
Ion Ratio Lower Upper

43 100

58 36.0 29.2 43.8

100 12.9 10.2 15.4

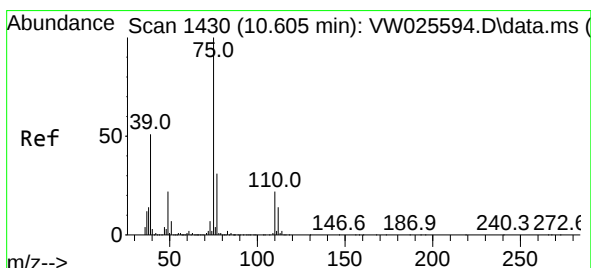
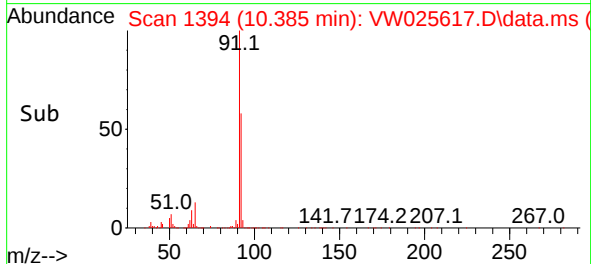
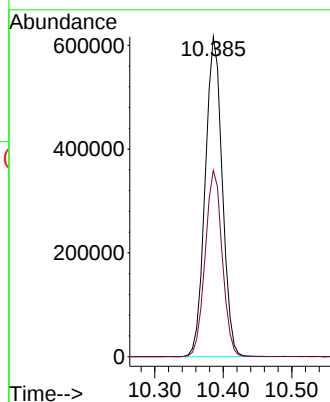
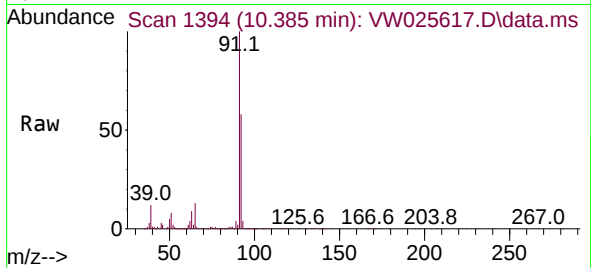




#42
Toluene
Concen: 24.654 ug/L
RT: 10.385 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

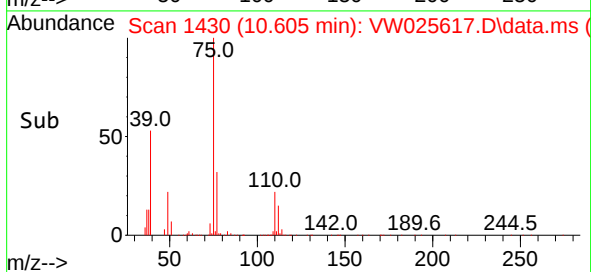
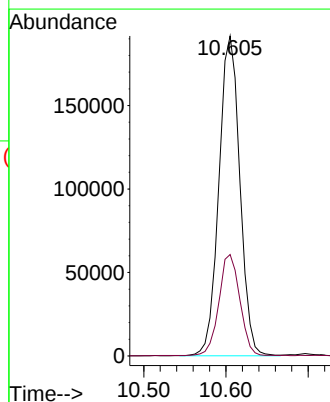
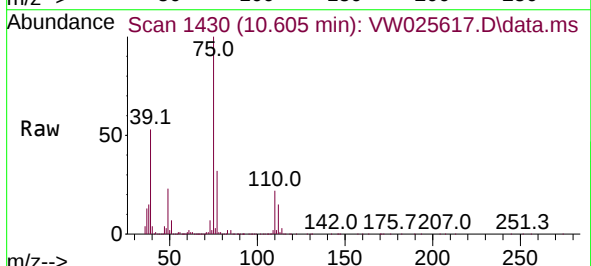
Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

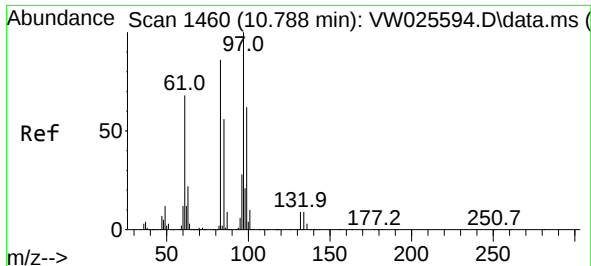
Tgt Ion: 91 Resp: 1066998
Ion Ratio Lower Upper
91 100
92 58.3 41.1 76.3



#44
trans-1,3-Dichloropropene
Concen: 25.571 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion: 75 Resp: 339515
Ion Ratio Lower Upper
75 100
77 31.7 22.5 41.9



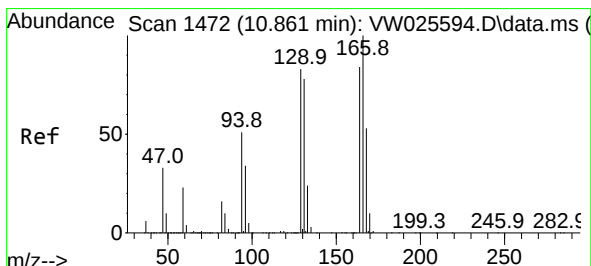
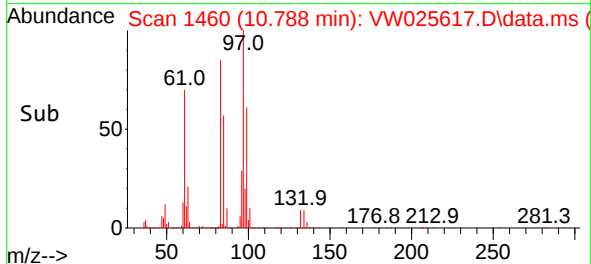
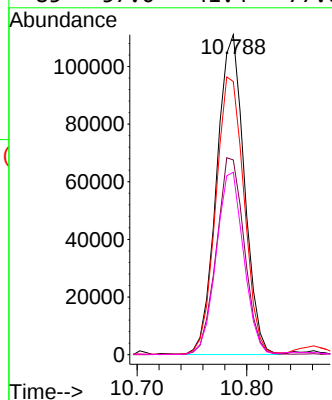
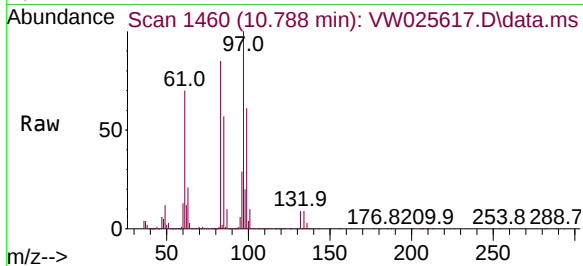


#45
1,1,2-Trichloroethane
Concen: 27.216 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

Tgt Ion: 97 Resp: 194794

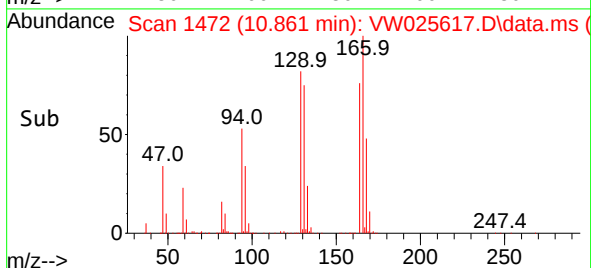
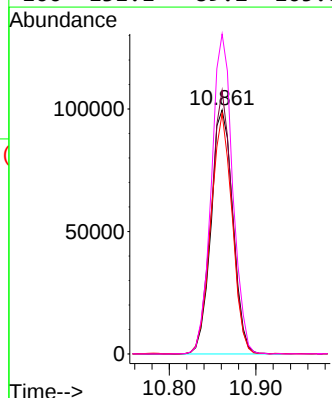
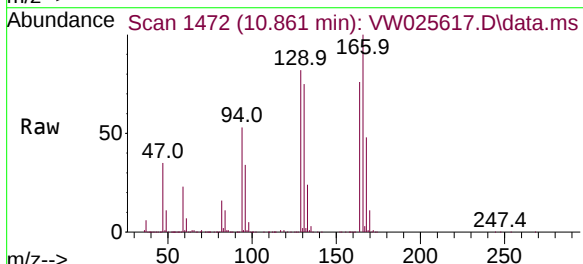
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.8	81.3
83	85.4	61.8	114.8
85	57.0	41.4	77.0

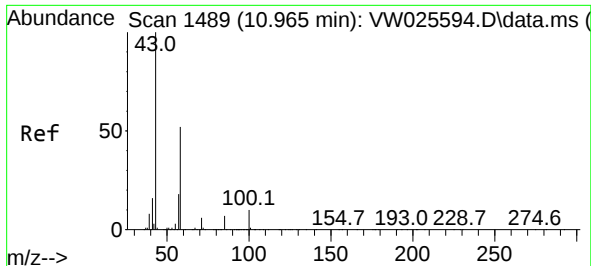


#46
Tetrachloroethene
Concen: 22.433 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion: 164 Resp: 174430

Ion	Ratio	Lower	Upper
164	100		
129	108.0	76.9	142.9
131	98.6	70.5	130.9
166	131.1	89.2	165.8



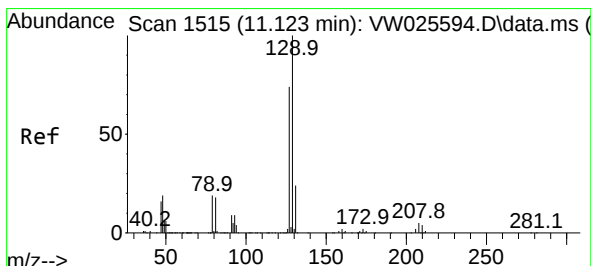
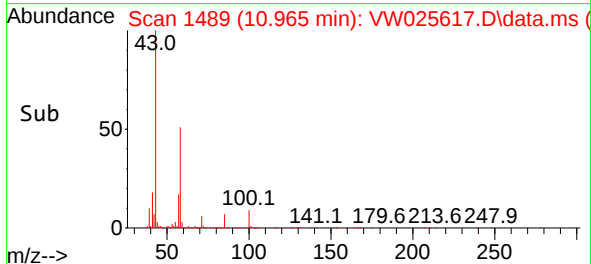
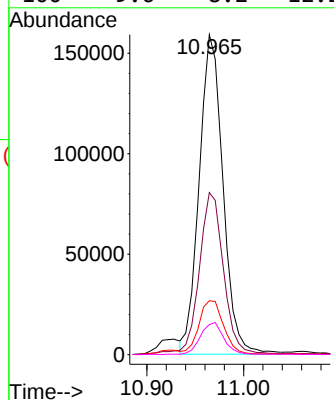
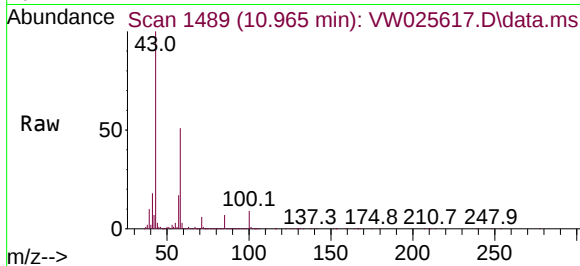


#48
2-Hexanone
Concen: 62.106 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

Tgt Ion: 43 Resp: 272640

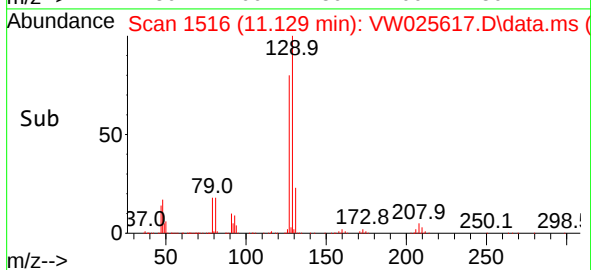
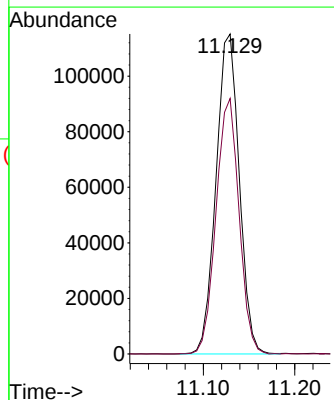
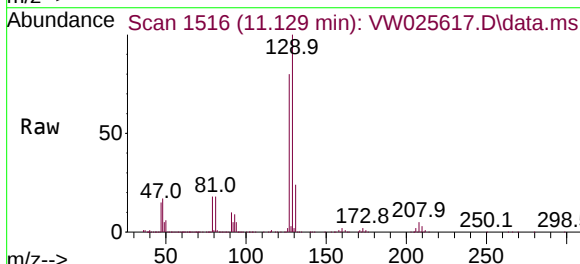
Ion	Ratio	Lower	Upper
43	100		
58	52.1	38.6	57.8
57	17.4	13.9	20.9
100	9.6	8.2	12.2

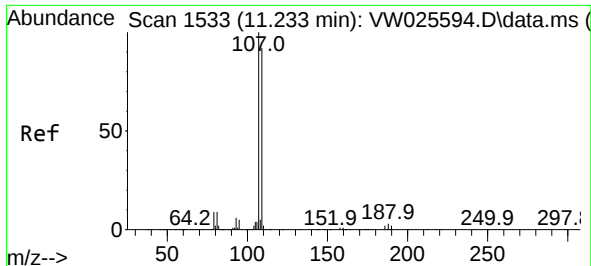


#49
Dibromochloromethane
Concen: 27.017 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion: 129 Resp: 203594

Ion	Ratio	Lower	Upper
129	100		
127	79.9	54.0	100.2





#50

1,2-Dibromoethane

Concen: 27.153 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025574

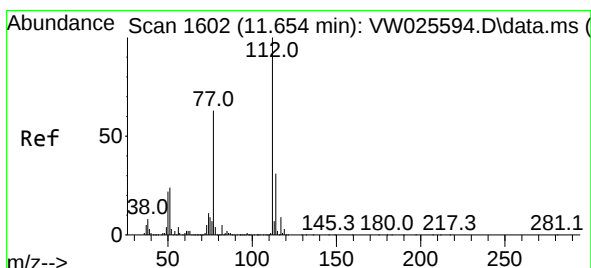
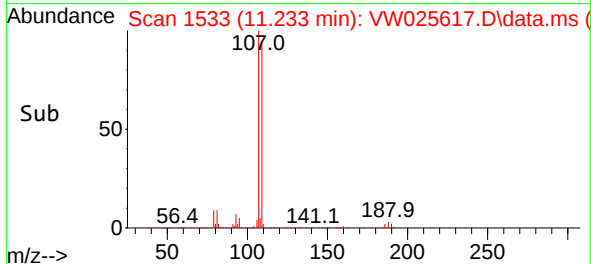
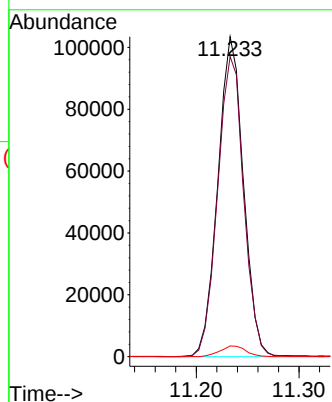
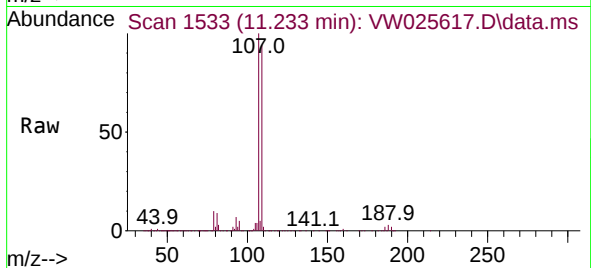
Tgt Ion:107 Resp: 178568

Ion Ratio Lower Upper

107 100

109 93.8 64.1 119.1

188 3.3 2.8 4.2



#51

Chlorobenzene

Concen: 24.801 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

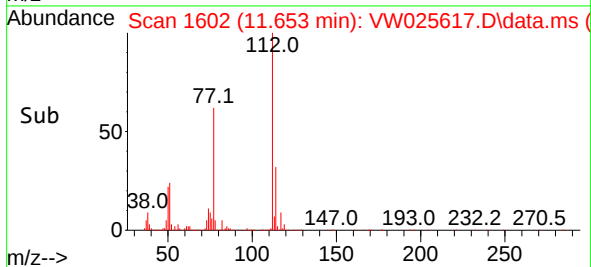
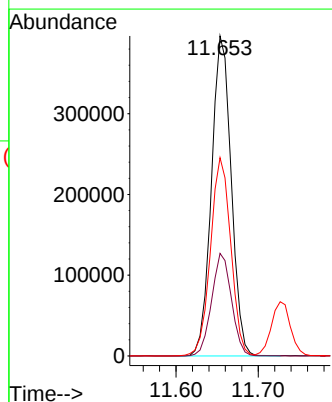
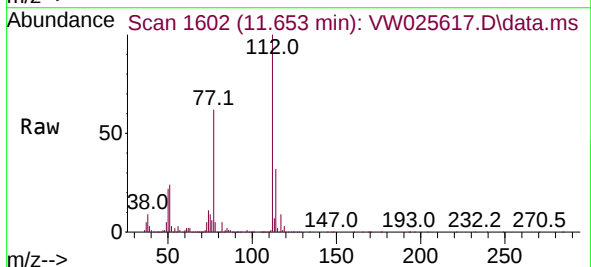
Tgt Ion:112 Resp: 661432

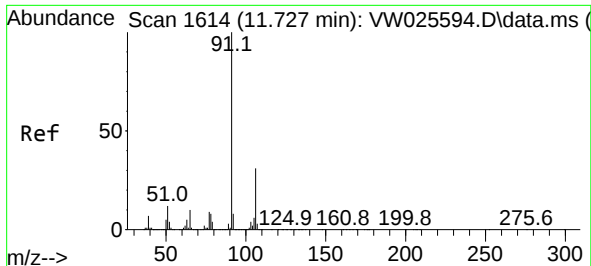
Ion Ratio Lower Upper

112 100

114 32.1 21.6 40.2

77 61.9 50.2 75.2

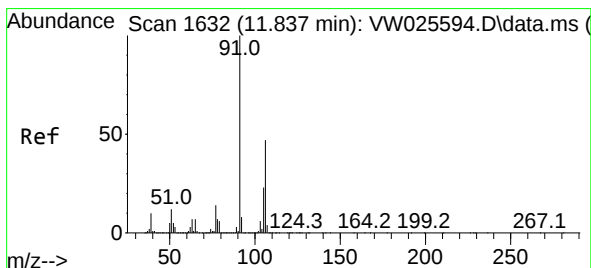
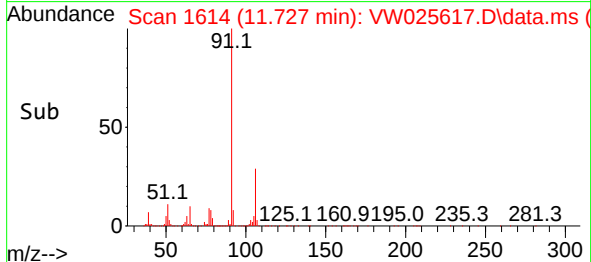
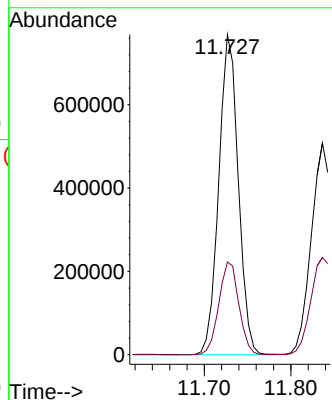
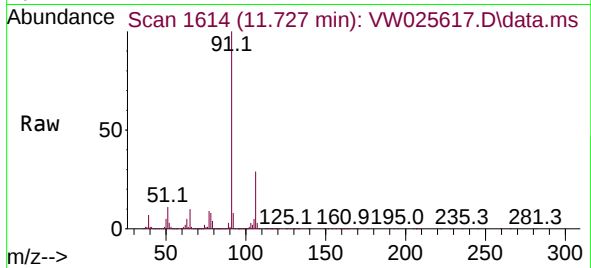




#52
Ethylbenzene
Concen: 24.531 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

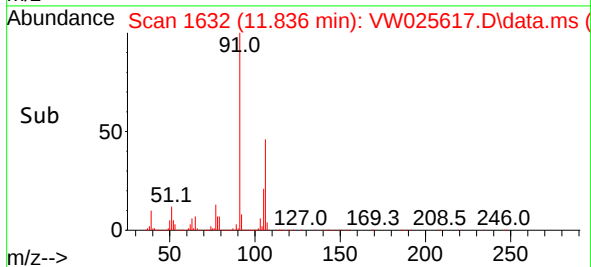
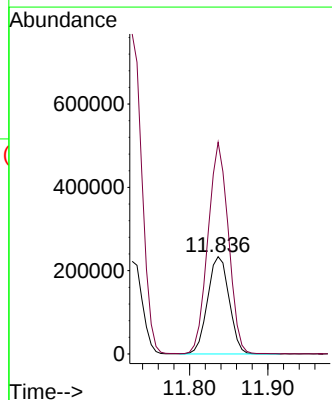
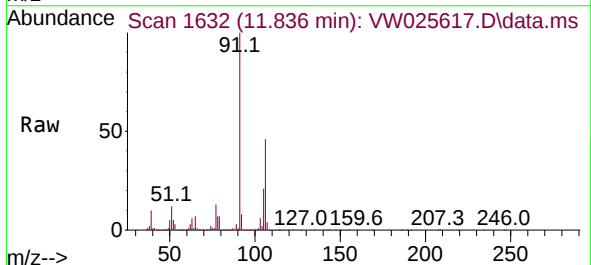
Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

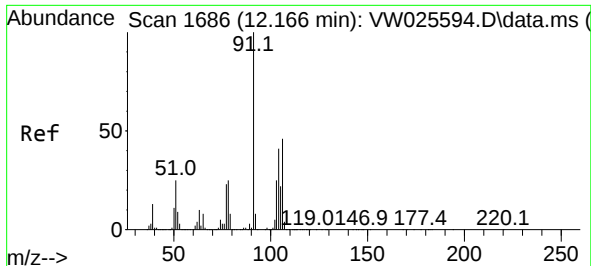
Tgt Ion: 91 Resp: 1201459
Ion Ratio Lower Upper
91 100
106 28.9 20.3 37.7



#53
m,p-Xylene
Concen: 24.823 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion:106 Resp: 445846
Ion Ratio Lower Upper
106 100
91 217.5 148.0 274.8

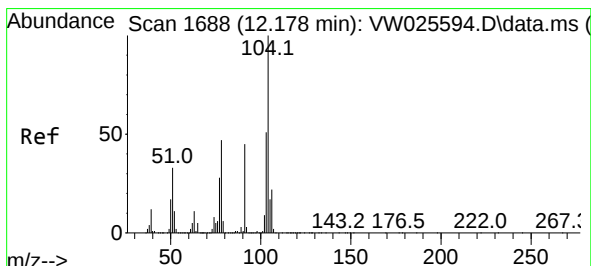
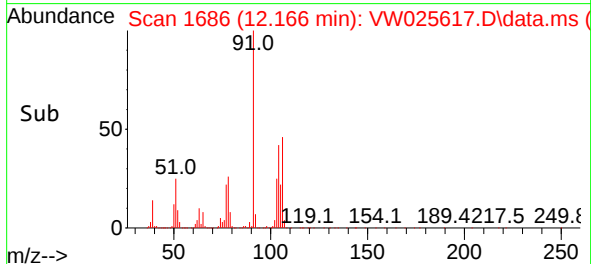
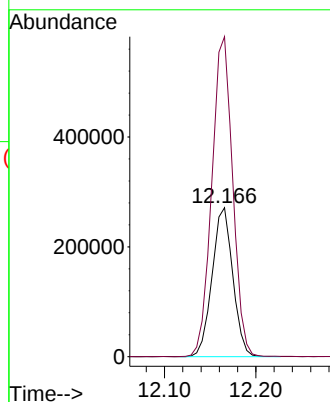
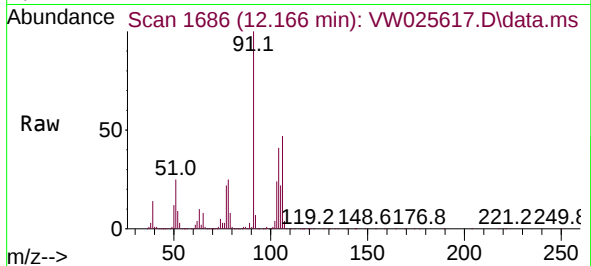




#54
o-Xylene
Concen: 25.400 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

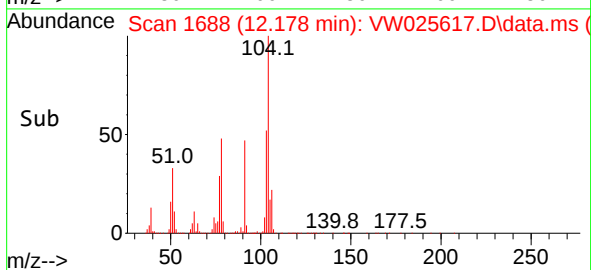
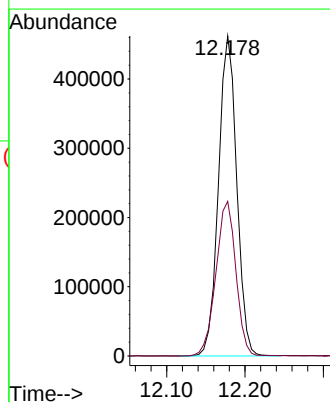
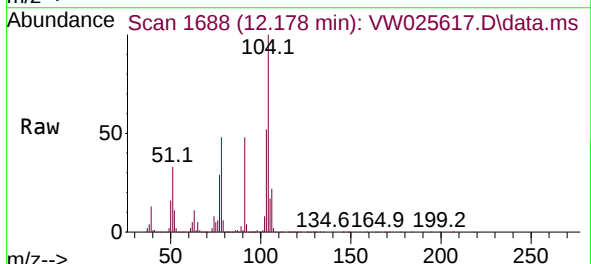
Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

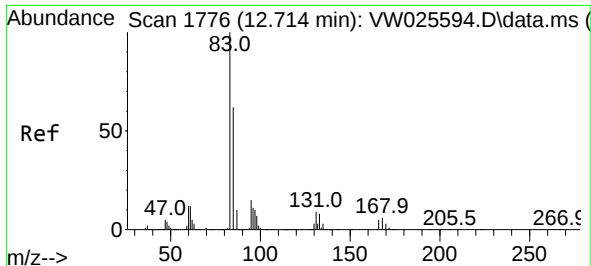
Tgt Ion:106 Resp: 426784
Ion Ratio Lower Upper
106 100
91 214.7 158.2 293.8



#55
Styrene
Concen: 26.508 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion:104 Resp: 749675
Ion Ratio Lower Upper
104 100
78 48.3 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 28.733 ug/L

RT: 12.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025574

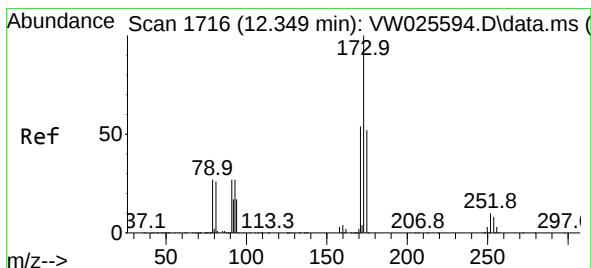
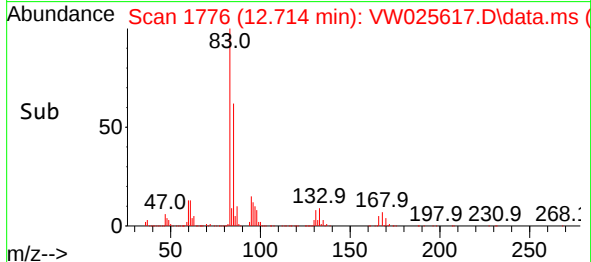
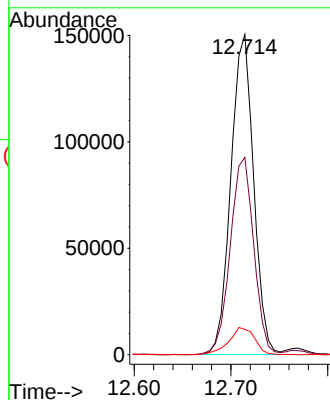
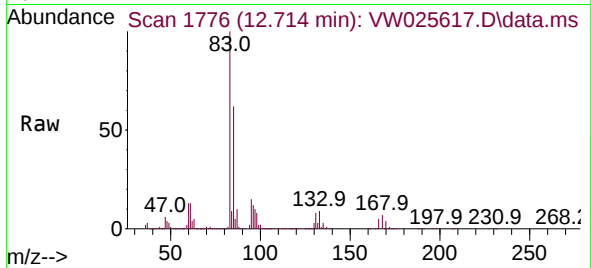
Tgt Ion: 83 Resp: 246331

Ion Ratio Lower Upper

83 100

85 61.6 43.5 80.7

131 7.9 7.0 10.4



#59

Bromoform

Concen: 28.206 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

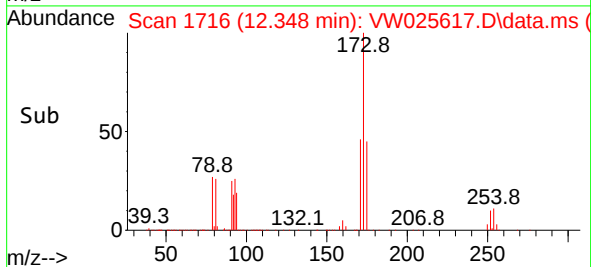
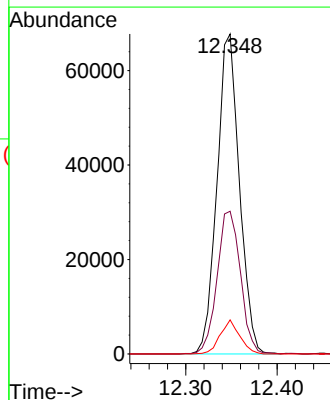
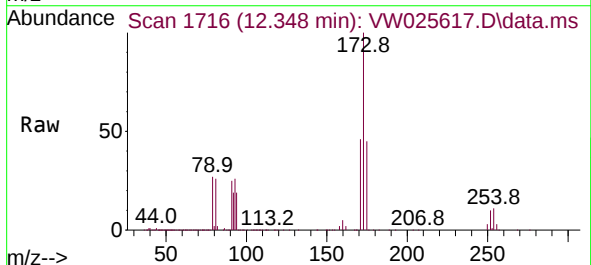
Tgt Ion: 173 Resp: 115537

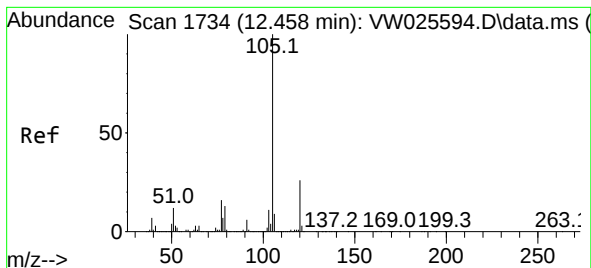
Ion Ratio Lower Upper

173 100

175 46.5 36.1 54.1

254 9.3 7.0 10.6





#60

Isopropylbenzene

Concen: 24.873 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025574

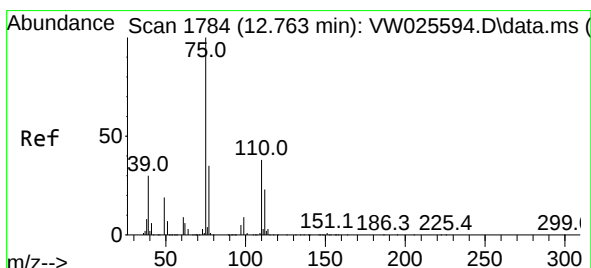
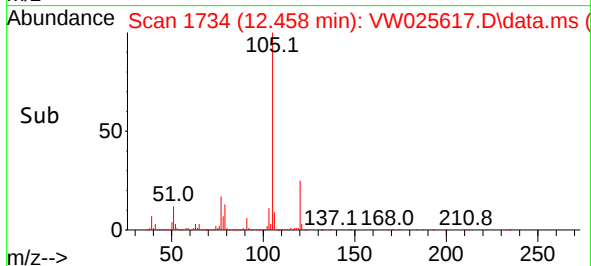
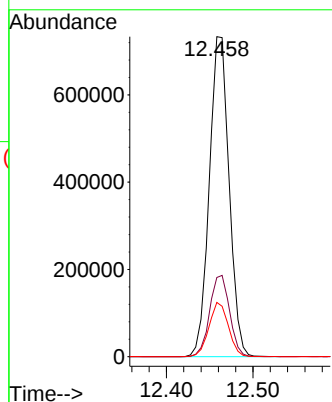
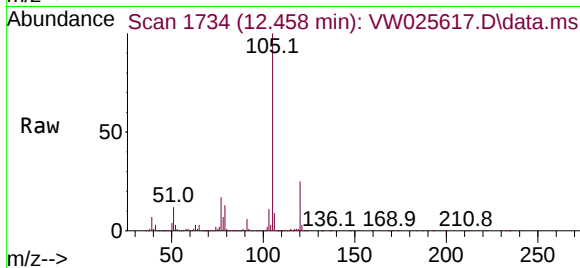
Tgt Ion:105 Resp: 1164700

Ion Ratio Lower Upper

105 100

120 25.6 20.1 30.1

77 16.6 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 28.772 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

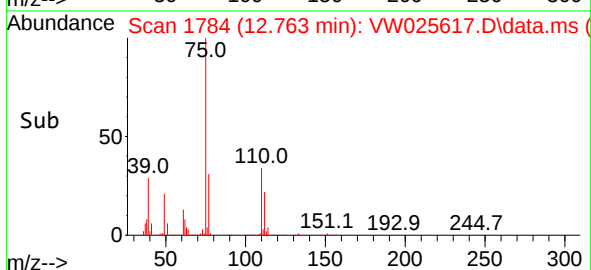
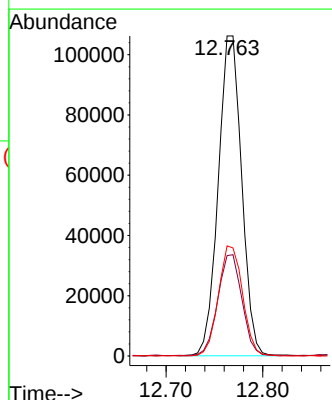
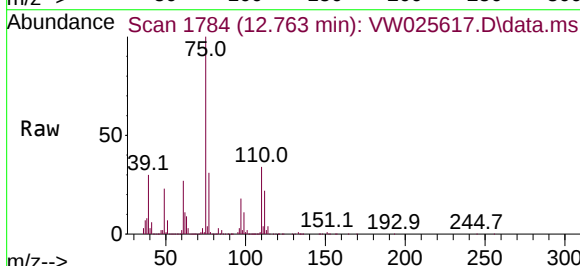
Tgt Ion: 75 Resp: 178258

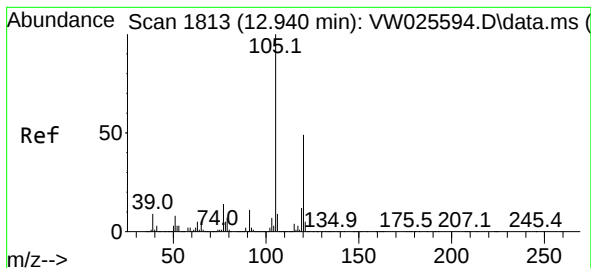
Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2

110 35.5 29.0 43.6





#62

1,3,5-Trimethylbenzene

Concen: 25.383 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

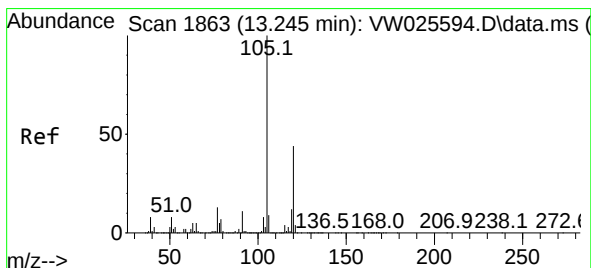
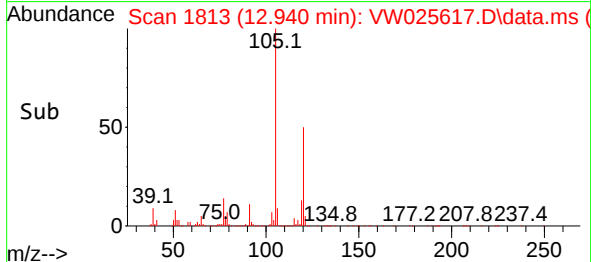
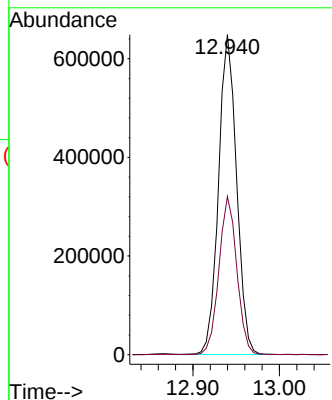
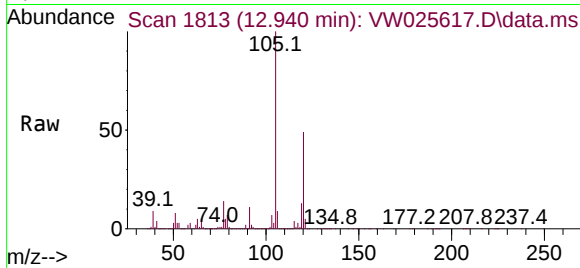
VSTD025574

Tgt Ion:105 Resp: 938270

Ion Ratio Lower Upper

105 100

120 49.2 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 25.510 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW025617.D

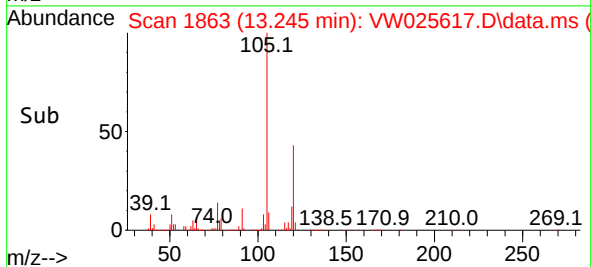
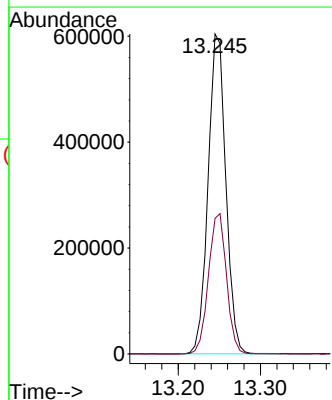
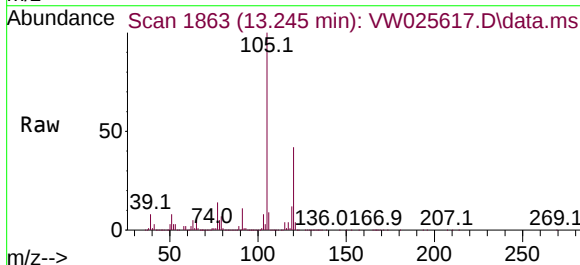
Acq: 20 Apr 2023 19:39

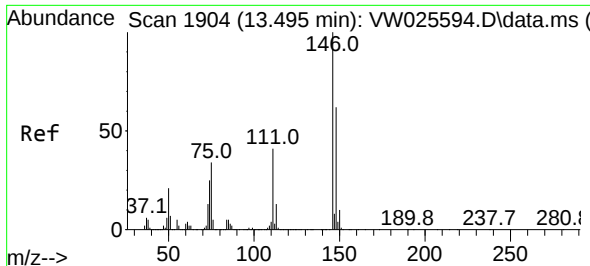
Tgt Ion:105 Resp: 907988

Ion Ratio Lower Upper

105 100

120 44.6 34.8 52.2

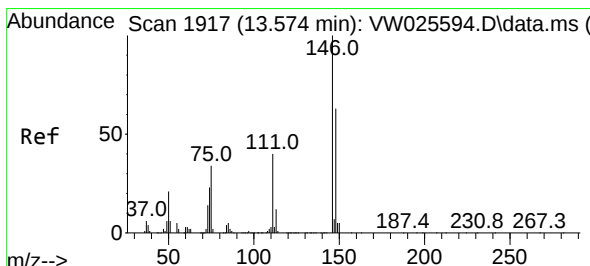
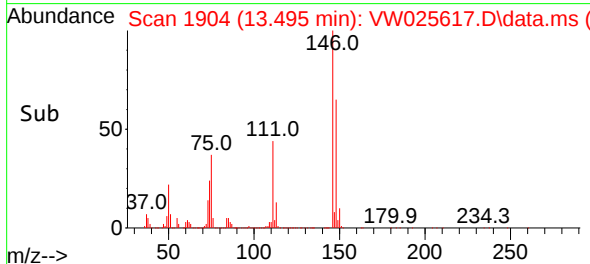
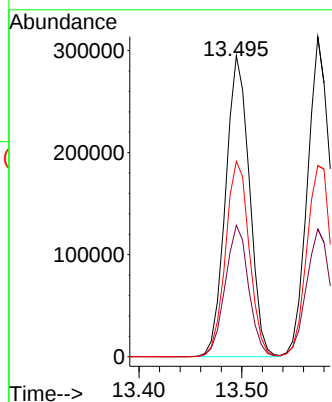
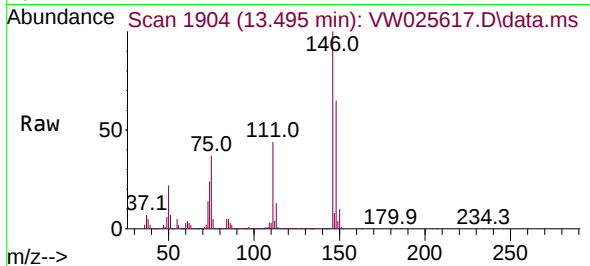




#64
1,3-Dichlorobenzene
Concen: 24.461 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

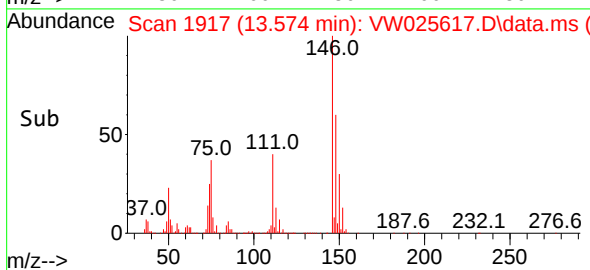
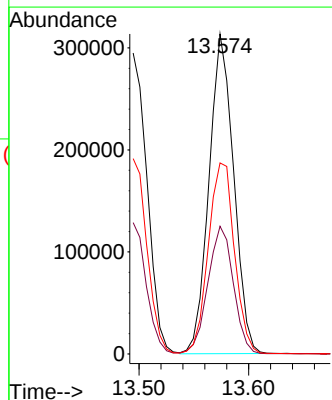
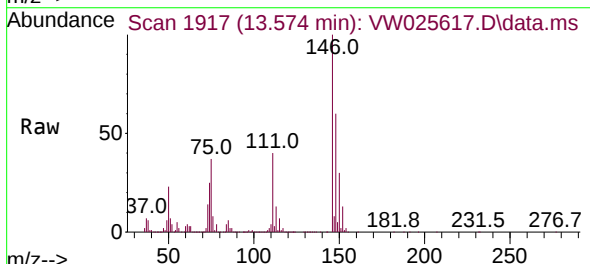
Instrument :
MSVOA_W
ClientSampleId :
VSTD025574

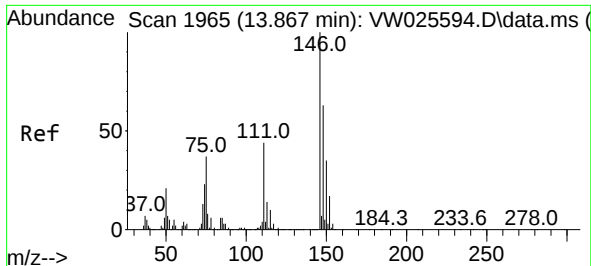
Tgt Ion:146 Resp: 474671
Ion Ratio Lower Upper
146 100
111 43.6 29.7 55.1
148 64.9 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 24.724 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025617.D
Acq: 20 Apr 2023 19:39

Tgt Ion:146 Resp: 489961
Ion Ratio Lower Upper
146 100
111 39.9 30.4 56.5
148 59.7 48.6 90.3





#67

1,2-Dichlorobenzene

Concen: 25.156 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025574

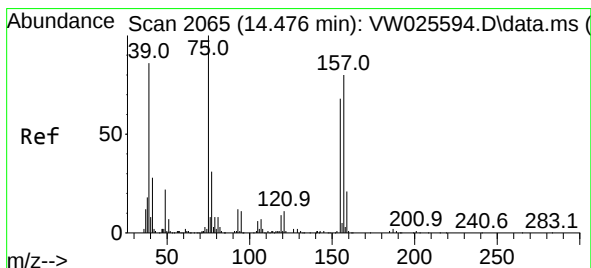
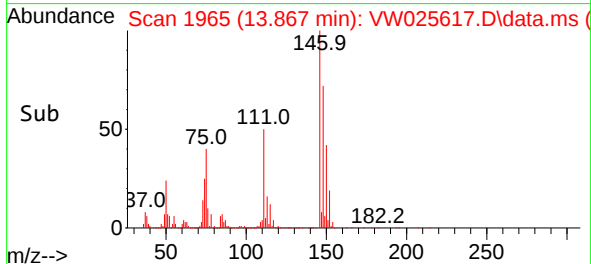
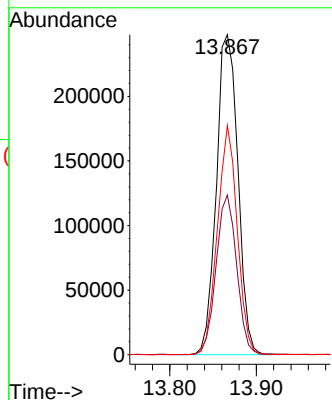
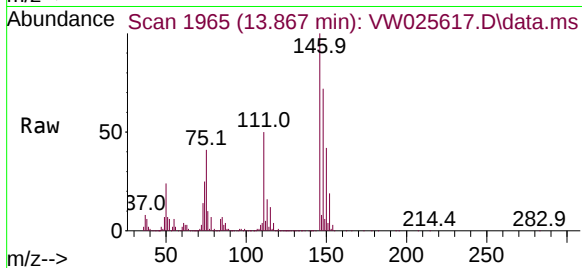
Tgt Ion:146 Resp: 427948

Ion Ratio Lower Upper

146 100

111 49.9 35.3 52.9

148 71.6 47.9 71.9



#68

1,2-Dibromo-3-chloropropane

Concen: 28.358 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

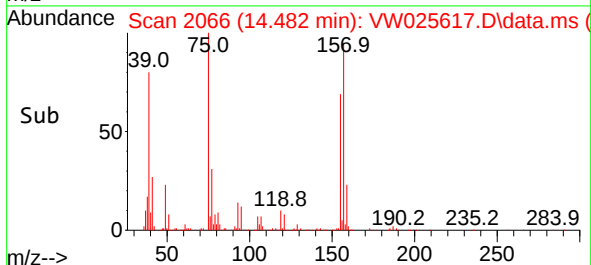
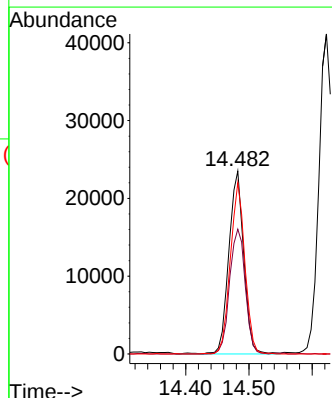
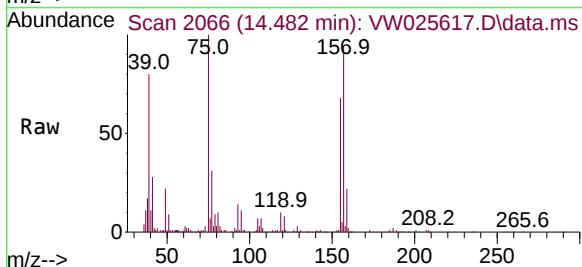
Tgt Ion: 75 Resp: 38541

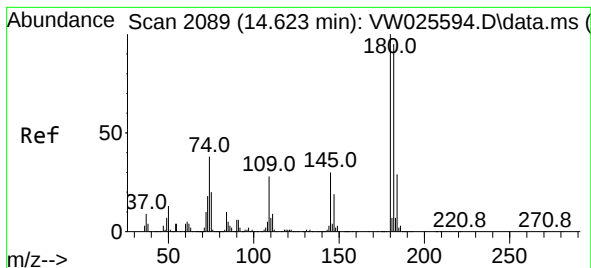
Ion Ratio Lower Upper

75 100

155 68.3 61.1 91.7

157 93.6 72.8 109.2





#69

1,3,5-Trichlorobenzene

Concen: 23.914 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025574

Tgt Ion:180 Resp: 310687

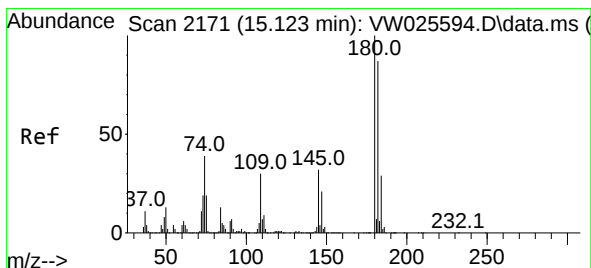
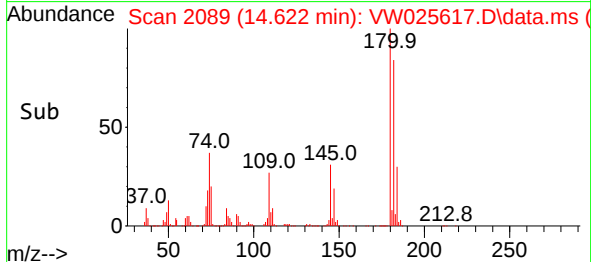
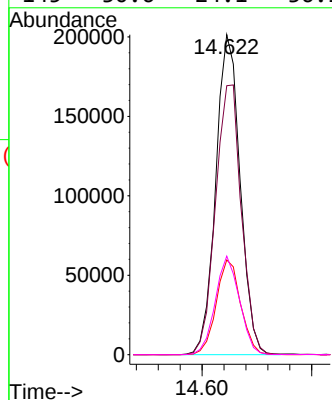
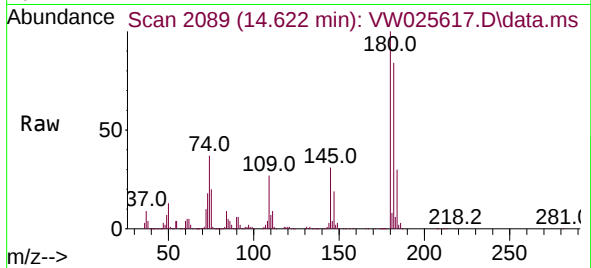
Ion Ratio Lower Upper

180 100

182 89.5 76.4 114.6

184 29.8 24.1 36.1

145 30.6 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 24.519 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

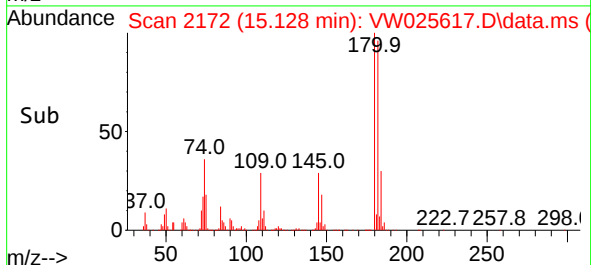
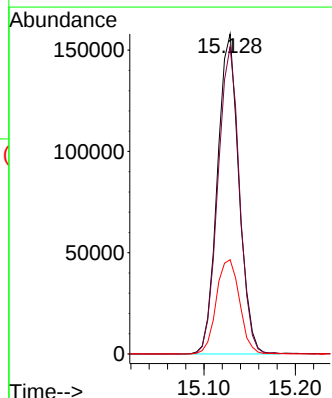
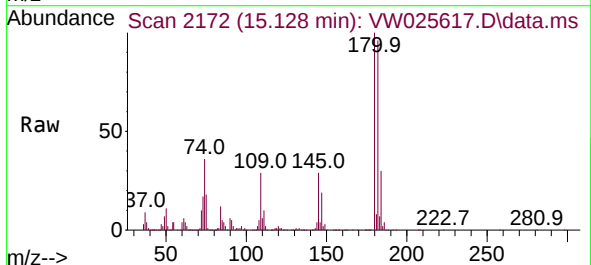
Tgt Ion:180 Resp: 258767

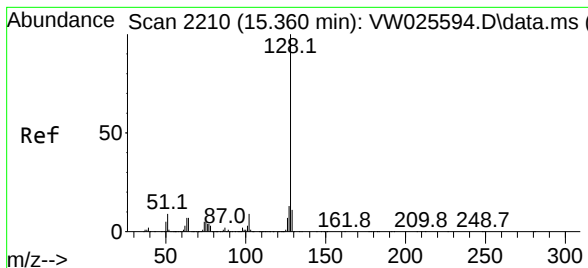
Ion Ratio Lower Upper

180 100

182 96.0 79.5 119.3

145 31.8 27.4 41.0





#71

Naphthalene

Concen: 29.428 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025574

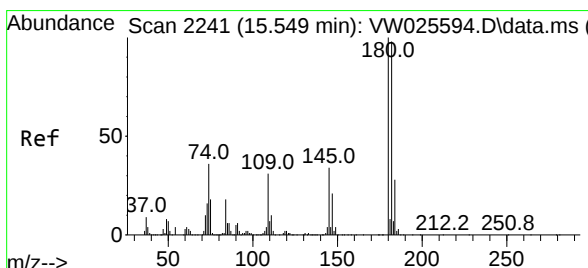
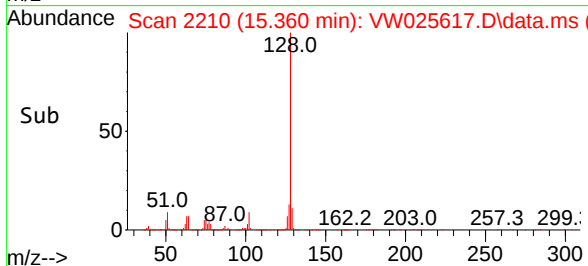
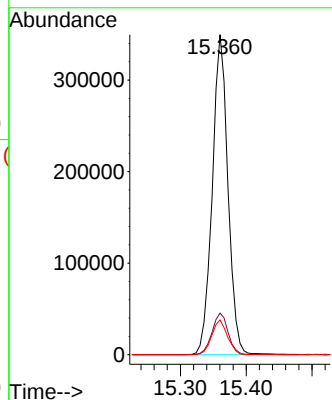
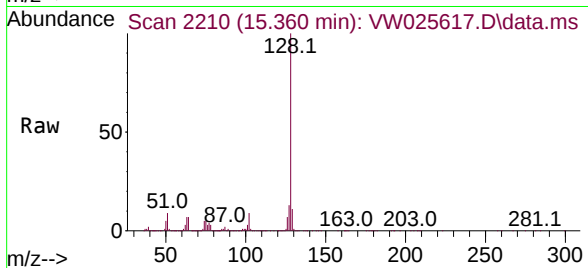
Tgt Ion:128 Resp: 579519

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 25.558 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025617.D

Acq: 20 Apr 2023 19:39

Tgt Ion:180 Resp: 235837

Ion Ratio Lower Upper

180 100

182 99.1 72.9 109.3

145 34.5 27.0 40.6

