

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020723\
 Data File : VW025308.D
 Acq On : 07 Feb 2023 15:14
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025531

Quant Time: Feb 07 20:13:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Feb 07 20:11:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	270079	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.627	117	240516	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	120058	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.367	65	49576	18.969	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.880%
7) Chloroethane-d5	2.897	69	43082	18.565	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.280%
11) 1,1-Dichloroethene-d2	4.025	63	159278	21.979	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.920%
21) 2-Butanone-d5	7.073	46	34416	50.726	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.460%
24) Chloroform-d	7.646	84	175304	24.764	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.040%
26) 1,2-Dichloroethane-d4	8.305	65	94922	27.528	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.120%
32) Benzene-d6	8.274	84	317027	21.748	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	9.274	67	88411	20.729	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.920%
41) Toluene-d8	10.323	98	299774	23.006	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.040%
43) trans-1,3-Dichloroprop...	10.579	79	40922	25.677	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.720%
47) 2-Hexanone-d5	10.920	63	29296	61.261	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.520%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	71641	24.699	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	13.847	152	98554	23.660	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.019	85	73702	20.167	ug/L	92
3) Chloromethane	2.227	50	65858	18.774	ug/L	99
5) Vinyl chloride	2.373	62	75784	21.212	ug/L	99
6) Bromomethane	2.788	94	52140	21.315	ug/L	97
8) Chloroethane	2.940	64	45080	20.212	ug/L	100
9) Trichlorofluoromethane	3.269	101	107849	20.987	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.080	101	85410	22.921	ug/L	90
12) 1,1-Dichloroethene	4.043	96	85623	23.148	ug/L	98
13) Acetone	4.123	43	28239	37.748	ug/L	100
14) Carbon disulfide	4.391	76	270130	22.347	ug/L	100
15) Methyl Acetate	4.671	43	32206	25.159	ug/L	96
16) Methylene chloride	4.921	84	92175	20.049	ug/L	93
17) trans-1,2-Dichloroethene	5.427	96	93171	23.454	ug/L	97
18) Methyl tert-butyl Ether	5.427	73	150220	26.305	ug/L	97
19) 1,1-Dichloroethane	6.220	63	169203	23.921	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	102539	24.583	ug/L	97
22) 2-Butanone	7.171	43	41215	45.305	ug/L	97
23) Bromochloromethane	7.518	128	44108	25.673	ug/L	88
25) Chloroform	7.677	83	189773	26.082	ug/L	94

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 Response via : Initial Calibration

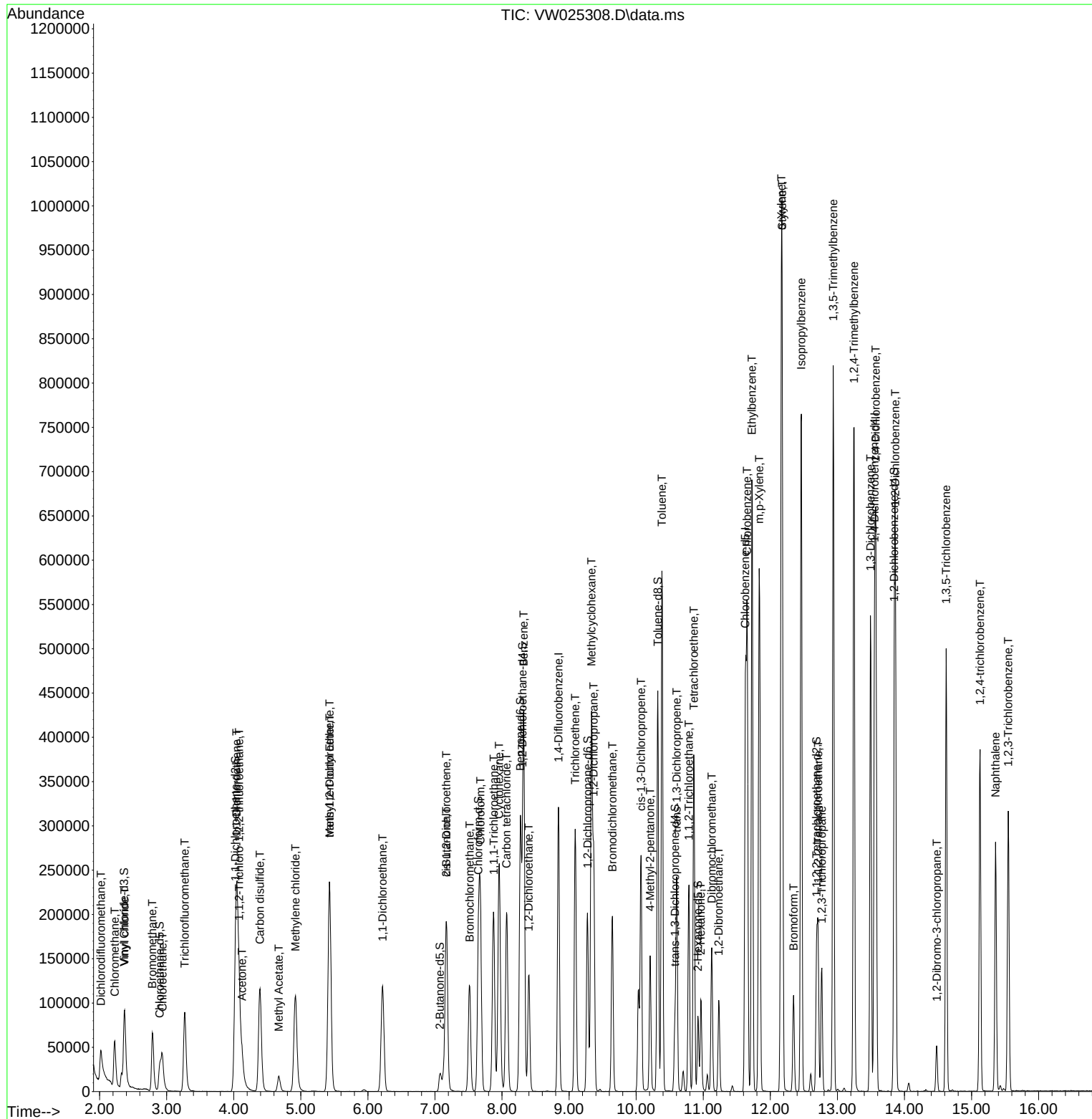
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	129412	29.203	ug/L	98
29) Cyclohexane	7.957	56	146281	21.119	ug/L	97
30) 1,1,1-Trichloroethane	7.878	97	170652	25.014	ug/L	100
31) Carbon tetrachloride	8.067	117	160671	25.463	ug/L	97
33) Benzene	8.323	78	380036	22.833	ug/L	100
34) Trichloroethene	9.091	95	107201	22.994	ug/L	98
35) Methylcyclohexane	9.335	83	176530	21.213	ug/L	100
37) 1,2-Dichloropropane	9.366	63	90550	22.058	ug/L	99
38) Bromodichloromethane	9.646	83	133766	24.506	ug/L	94
39) cis-1,3-Dichloropropene	10.073	75	156911	23.345	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	91322	50.384	ug/L	99
42) Toluene	10.384	91	419677	25.356	ug/L	100
44) trans-1,3-Dichloropropene	10.603	75	132439	27.643	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	70329	27.184	ug/L	97
46) Tetrachloroethene	10.859	164	80120	26.891	ug/L	91
48) 2-Hexanone	10.963	43	63279	55.301	ug/L	99
49) Dibromochloromethane	11.128	129	83991	28.743	ug/L	99
50) 1,2-Dibromoethane	11.231	107	67205	28.357	ug/L	98
51) Chlorobenzene	11.652	112	268481	24.648	ug/L	99
52) Ethylbenzene	11.725	91	487631	24.589	ug/L	99
53) m,p-Xylene	11.835	106	186561	24.822	ug/L	97
54) o-Xylene	12.164	106	176266	23.297	ug/L	96
55) Styrene	12.176	104	301062	23.501	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	77249	25.059	ug/L	99
59) Bromoform	12.347	173	47726	28.019	ug/L	99
60) Isopropylbenzene	12.463	105	503475	24.762	ug/L	99
61) 1,2,3-Trichloropropane	12.767	75	57617	26.991	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	429993	26.233	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	419967	25.570	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	206987	24.571	ug/L	98
65) 1,4-Dichlorobenzene	13.572	146	205936	24.774	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	181545	25.008	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.481	75	14475	29.034	ug/L	87
69) 1,3,5-Trichlorobenzene	14.621	180	139039	25.381	ug/L	95
70) 1,2,4-trichlorobenzene	15.127	180	114880	25.754	ug/L	97
71) Naphthalene	15.358	128	230329	28.246	ug/L	100
72) 1,2,3-Trichlorobenzene	15.547	180	94300	24.621	ug/L	95

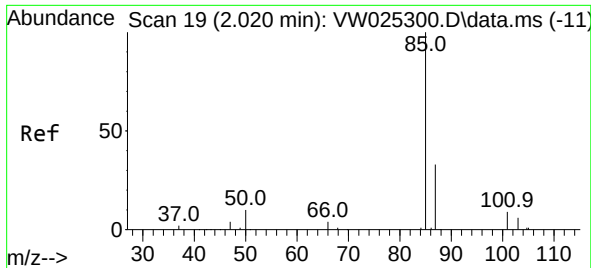
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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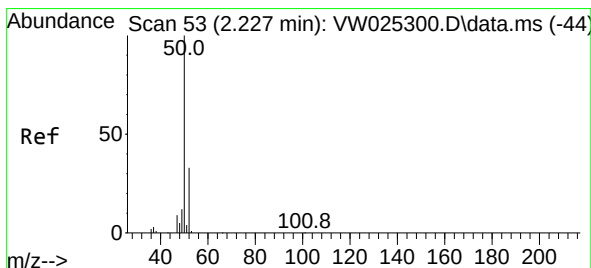
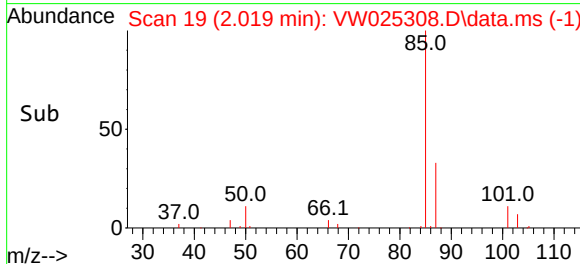
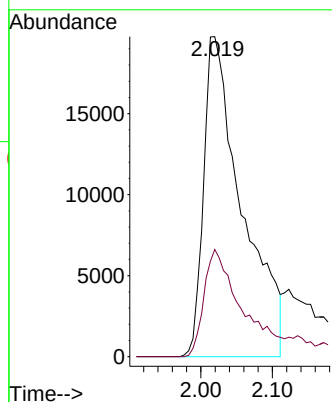
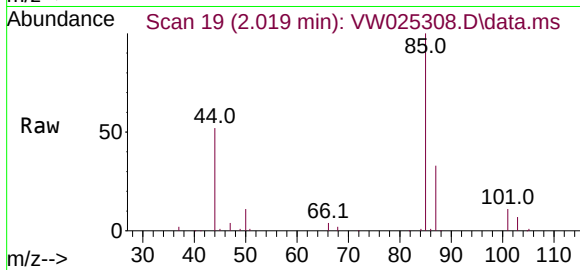




#2
Dichlorodifluoromethane
Concen: 20.167 ug/L
RT: 2.019 min Scan# 19
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

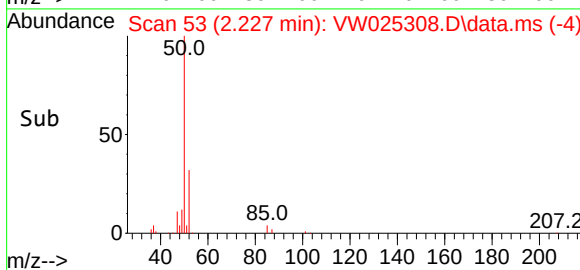
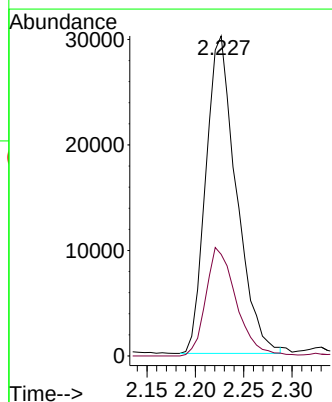
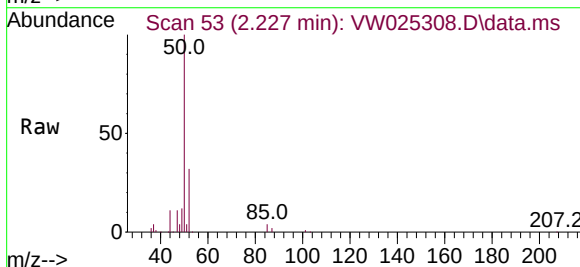
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MSVOA_W
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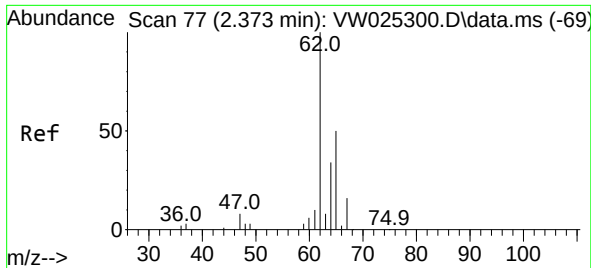
Tgt Ion: 85 Resp: 73702
Ion Ratio Lower Upper
85 100
87 33.1 23.3 34.9



#3
Chloromethane
Concen: 18.774 ug/L
RT: 2.227 min Scan# 53
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion: 50 Resp: 65858
Ion Ratio Lower Upper
50 100
52 31.7 22.0 40.8

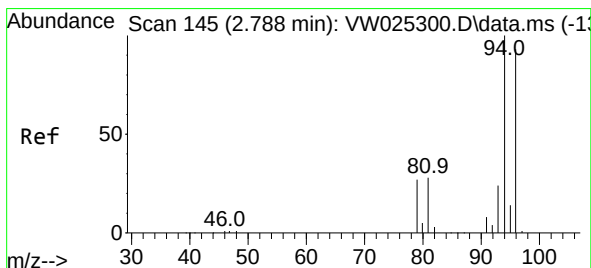
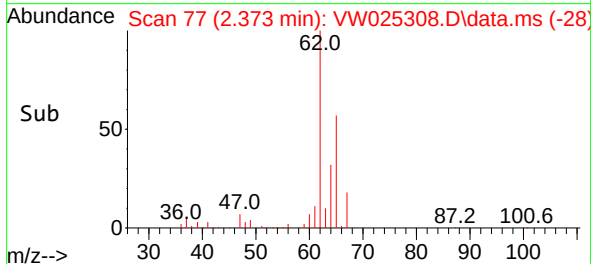
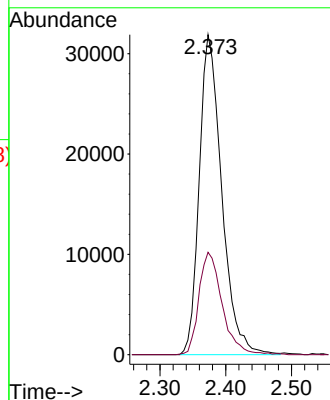
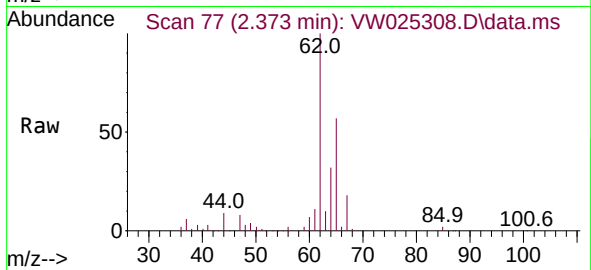




#5
 Vinyl chloride
 Concen: 21.212 ug/L
 RT: 2.373 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VW025308.D
 Acq: 07 Feb 2023 15:14

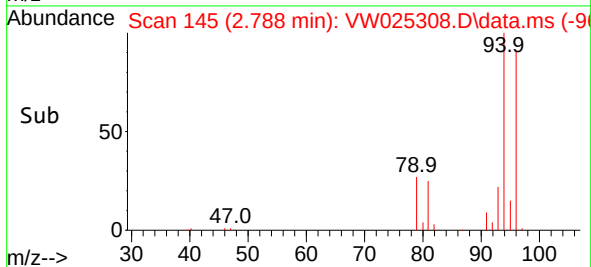
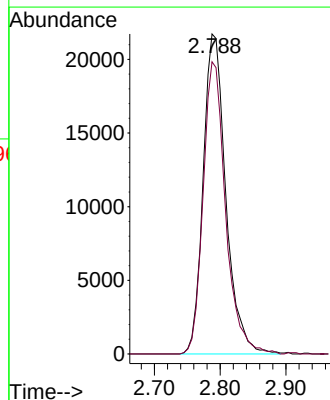
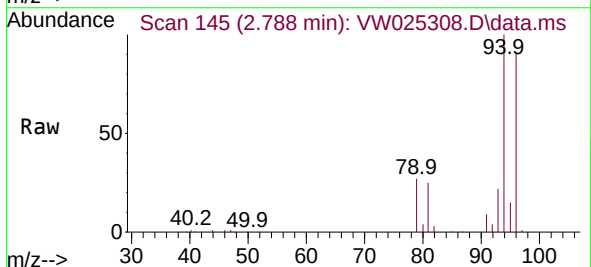
Instrument :
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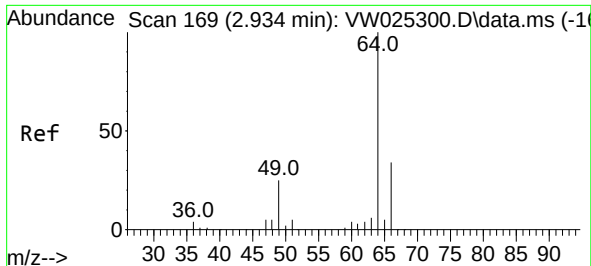
Tgt Ion: 62 Resp: 75784
 Ion Ratio Lower Upper
 62 100
 64 32.0 21.8 40.6



#6
 Bromomethane
 Concen: 21.315 ug/L
 RT: 2.788 min Scan# 145
 Delta R.T. -0.000 min
 Lab File: VW025308.D
 Acq: 07 Feb 2023 15:14

Tgt Ion: 94 Resp: 52140
 Ion Ratio Lower Upper
 94 100
 96 91.3 66.3 123.1

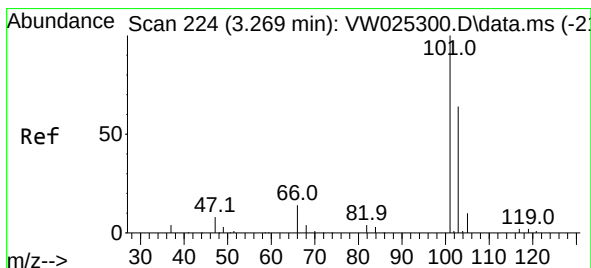
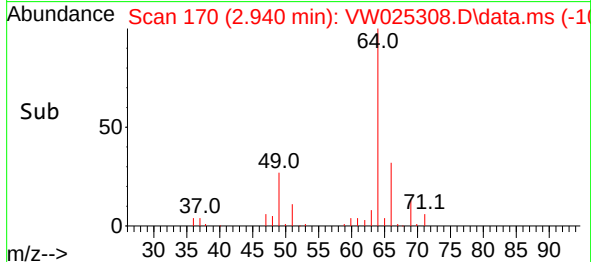
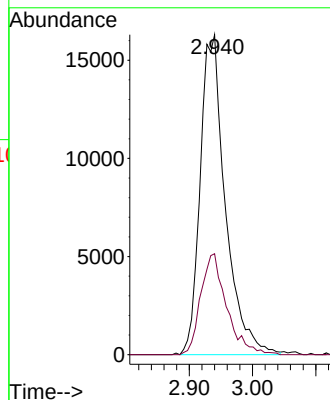
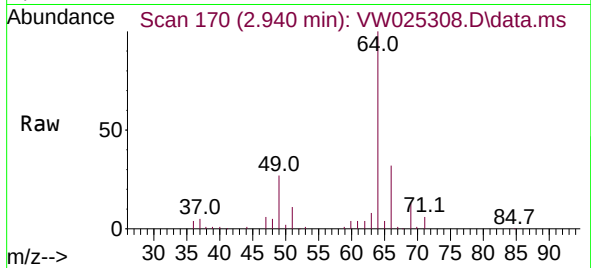




#8
Chloroethane
Concen: 20.212 ug/L
RT: 2.940 min Scan# 169
Delta R.T. 0.006 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

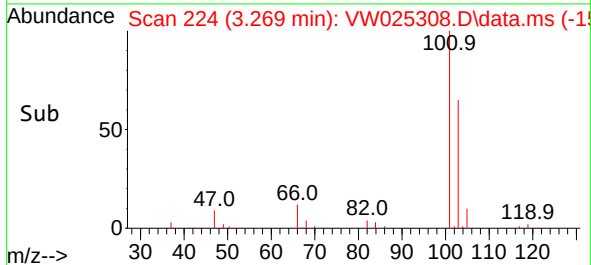
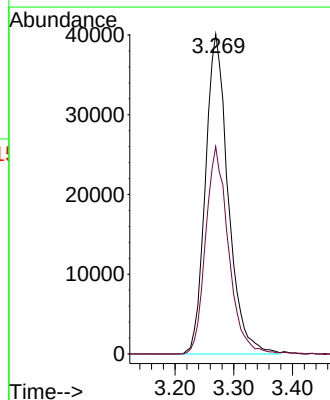
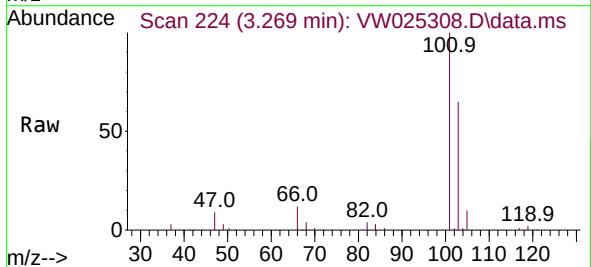
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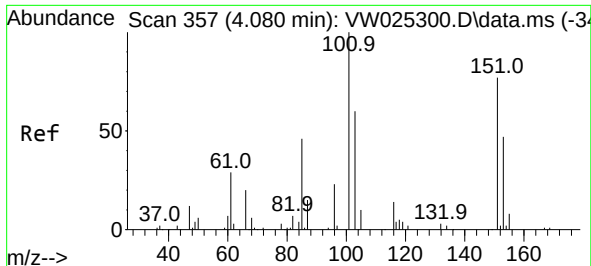
Tgt Ion: 64 Resp: 45080
Ion Ratio Lower Upper
64 100
66 31.5 21.9 40.7



#9
Trichlorofluoromethane
Concen: 20.987 ug/L
RT: 3.269 min Scan# 224
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion:101 Resp: 107849
Ion Ratio Lower Upper
101 100
103 65.0 52.4 78.6

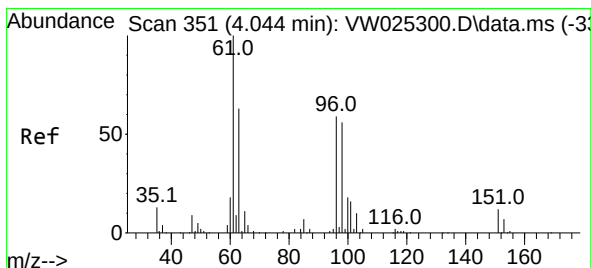
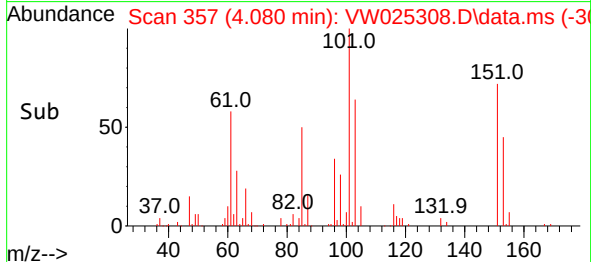
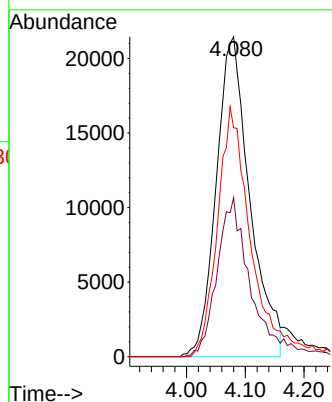
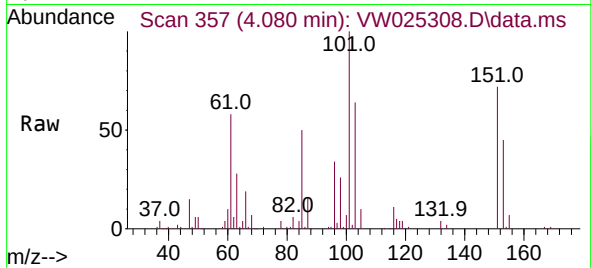




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.921 ug/L
 RT: 4.080 min Scan# 357
 Delta R.T. -0.000 min
 Lab File: VW025308.D
 Acq: 07 Feb 2023 15:14

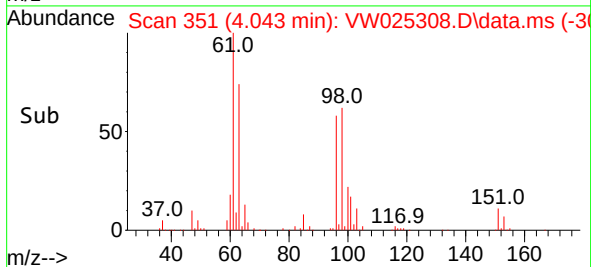
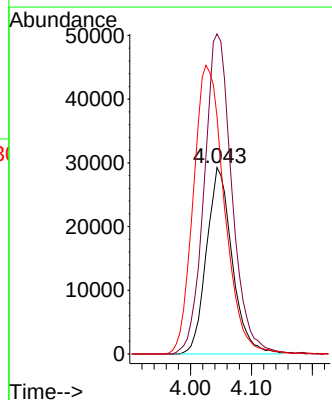
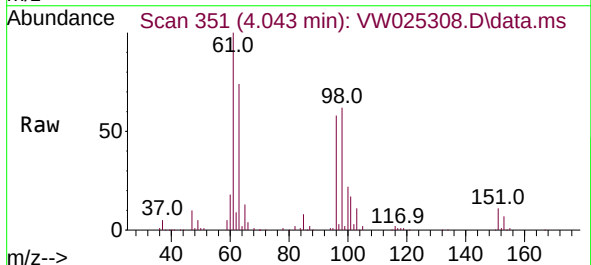
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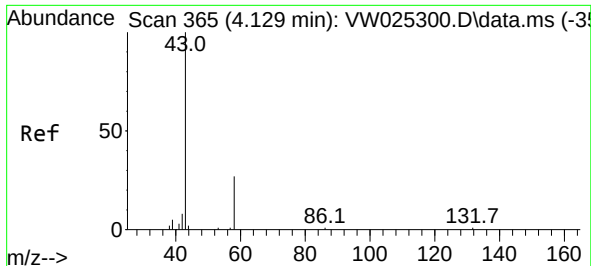
Tgt Ion:101 Resp: 85410
 Ion Ratio Lower Upper
 101 100
 85 46.0 32.8 49.2
 151 76.8 54.7 82.1



#12
 1,1-Dichloroethene
 Concen: 23.148 ug/L
 RT: 4.043 min Scan# 351
 Delta R.T. -0.000 min
 Lab File: VW025308.D
 Acq: 07 Feb 2023 15:14

Tgt Ion: 96 Resp: 85623
 Ion Ratio Lower Upper
 96 100
 61 171.6 120.8 224.4
 63 127.4 85.7 159.1

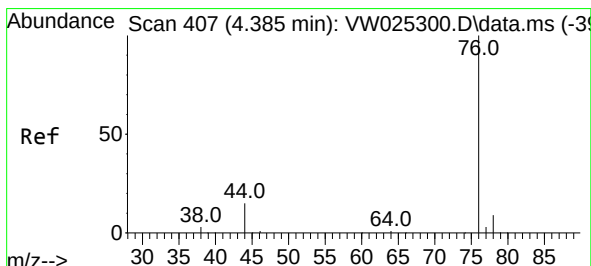
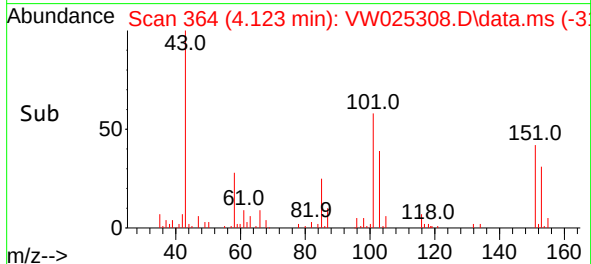
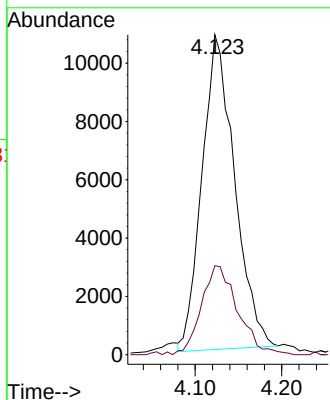
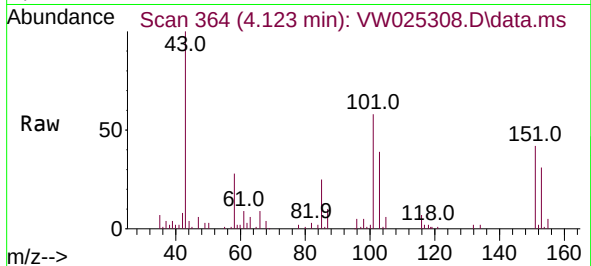




#13
Acetone
Concen: 37.748 ug/L
RT: 4.123 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

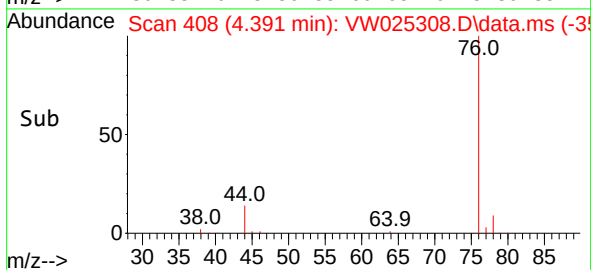
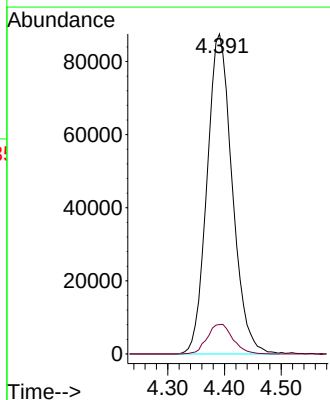
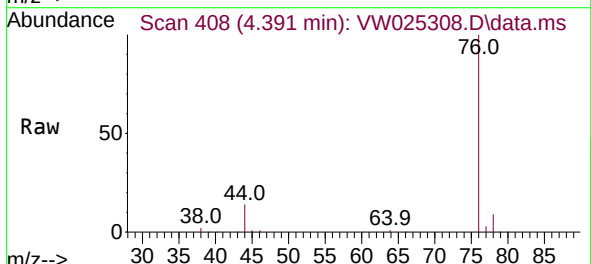
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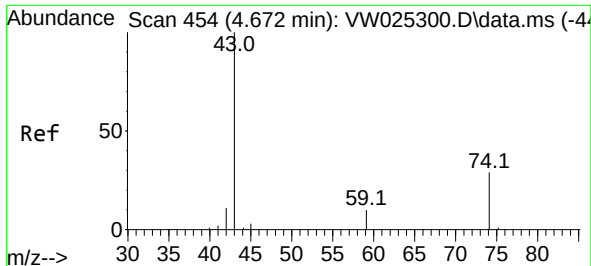
Tgt Ion: 43 Resp: 28239
Ion Ratio Lower Upper
43 100
58 31.4 0.0 63.0



#14
Carbon disulfide
Concen: 22.347 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
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Tgt Ion: 76 Resp: 270130
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

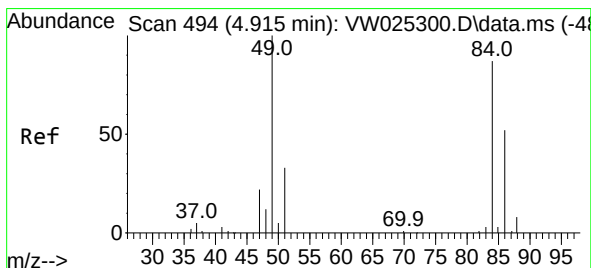
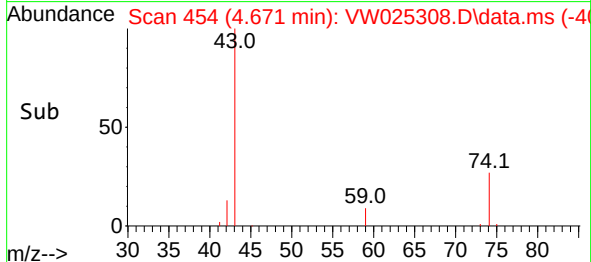
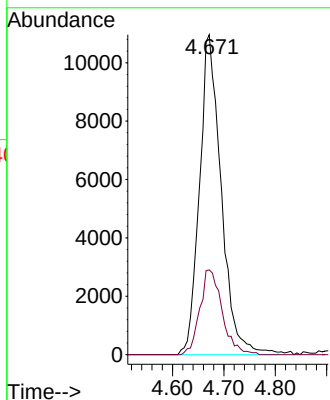
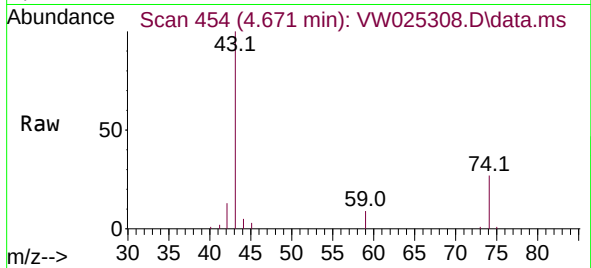




#15
Methyl Acetate
Concen: 25.159 ug/L
RT: 4.671 min Scan# 4
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

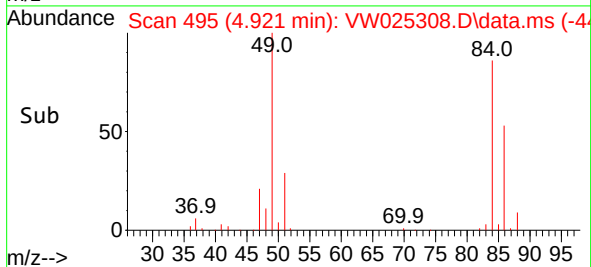
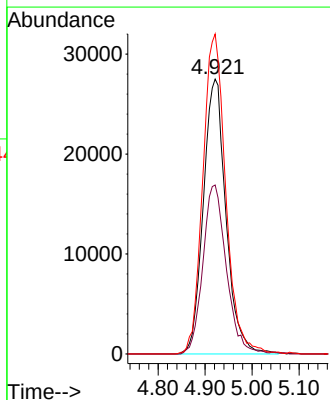
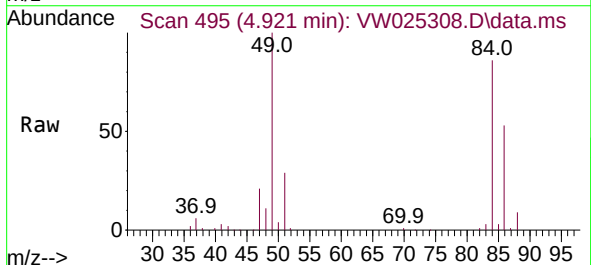
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

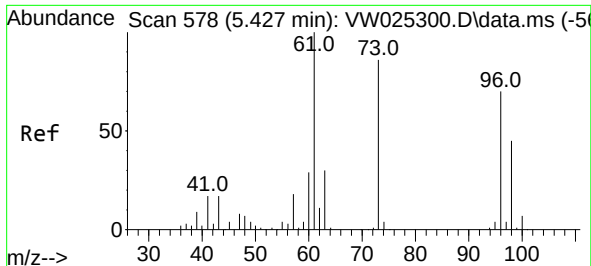
Tgt Ion: 43 Resp: 32206
Ion Ratio Lower Upper
43 100
74 27.2 20.2 30.2



#16
Methylene chloride
Concen: 20.049 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion: 84 Resp: 92175
Ion Ratio Lower Upper
84 100
86 61.5 47.2 87.6
49 116.4 86.5 160.7

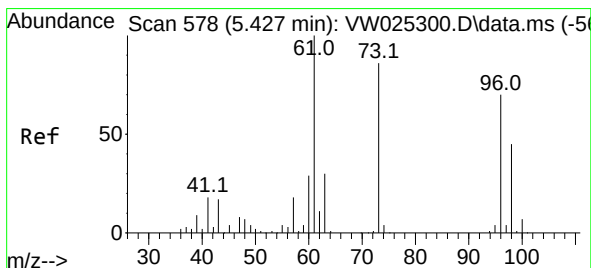
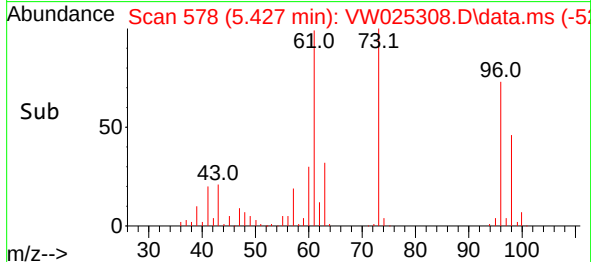
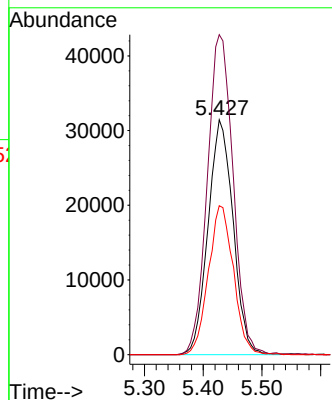
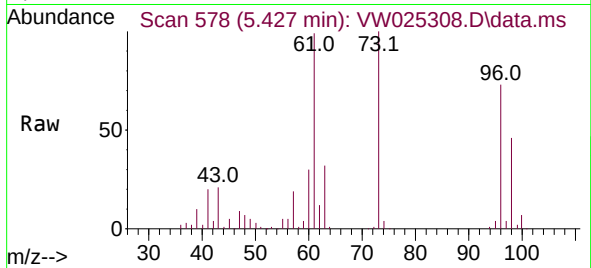




#17
trans-1,2-Dichloroethene
Concen: 23.454 ug/L
RT: 5.427 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

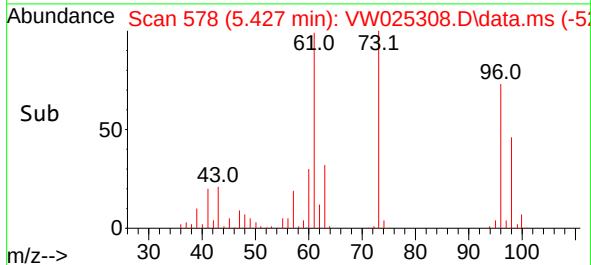
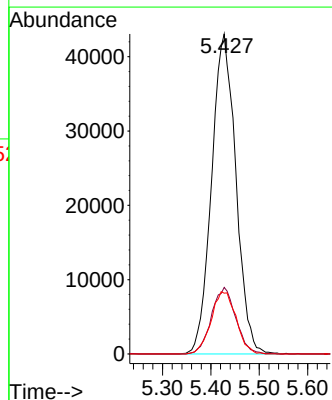
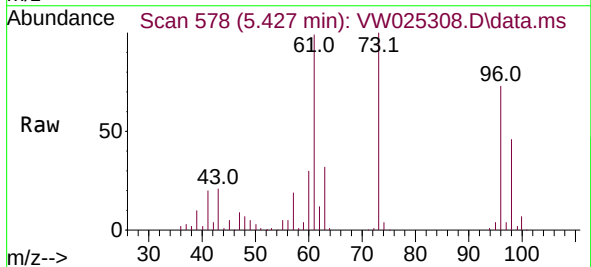
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

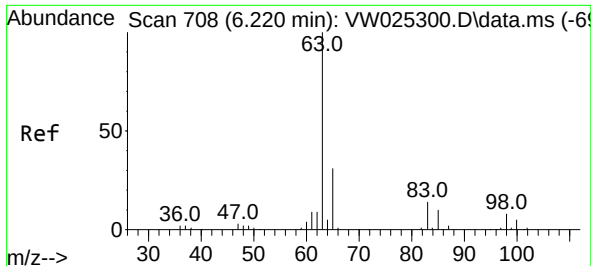
Tgt Ion: 96 Resp: 93171
Ion Ratio Lower Upper
96 100
61 136.3 98.4 182.8
98 63.5 43.5 80.9



#18
Methyl tert-butyl Ether
Concen: 26.305 ug/L
RT: 5.427 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion: 73 Resp: 150220
Ion Ratio Lower Upper
73 100
43 20.8 15.8 23.6
57 20.0 17.0 25.4

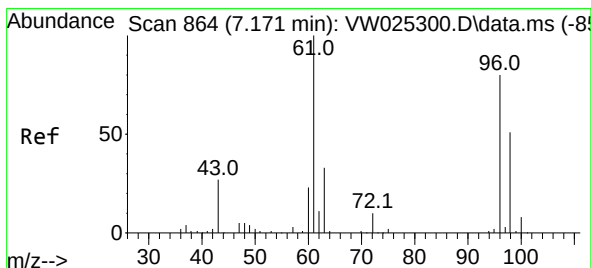
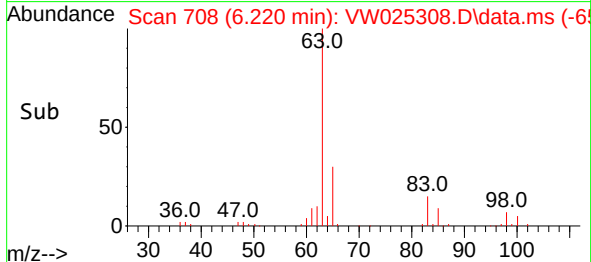
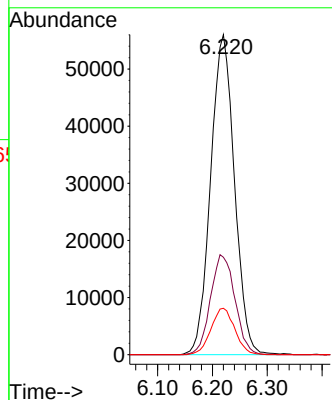
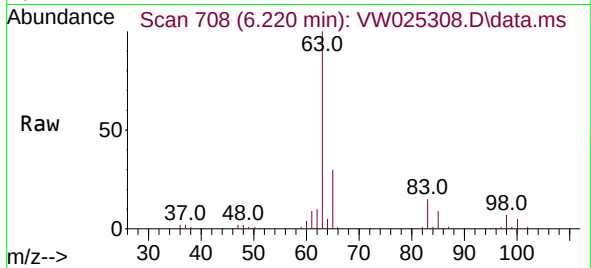




#19
1,1-Dichloroethane
Concen: 23.921 ug/L
RT: 6.220 min Scan# 708
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

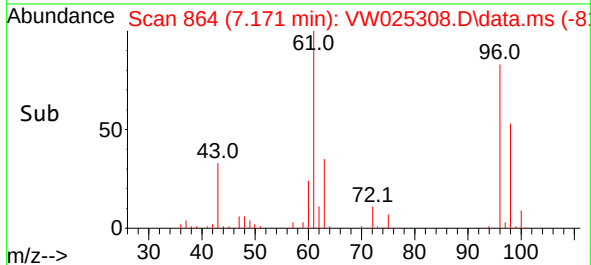
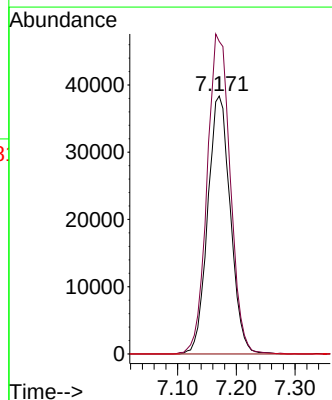
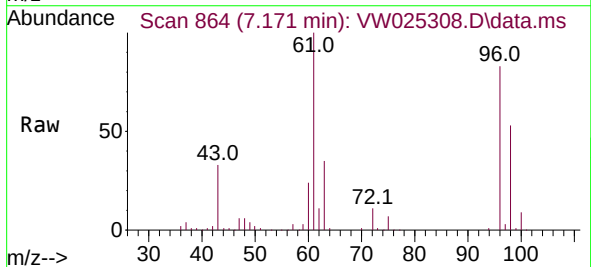
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

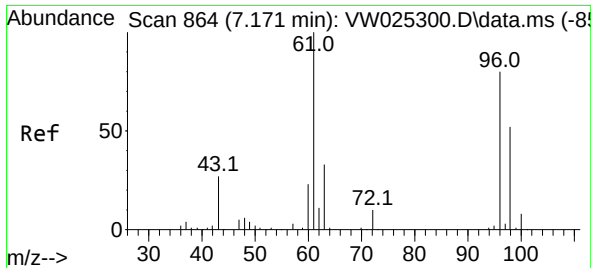
Tgt Ion: 63 Resp: 169203
Ion Ratio Lower Upper
63 100
65 30.5 22.0 41.0
83 14.5 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 24.583 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion: 96 Resp: 102539
Ion Ratio Lower Upper
96 100
61 121.1 87.2 162.0
68 0.0 0.0 0.0

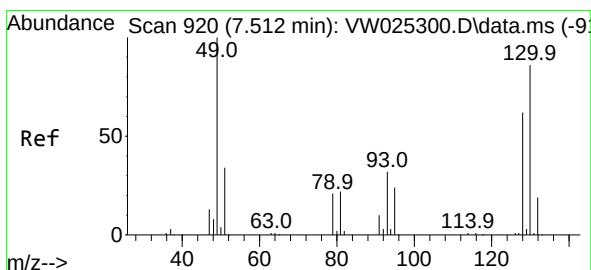
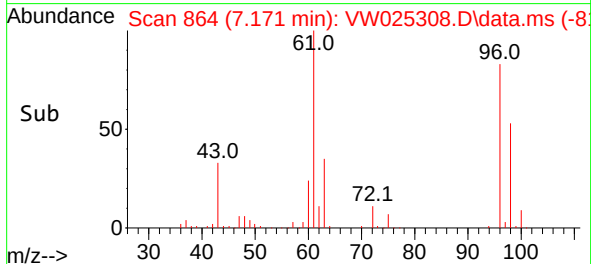
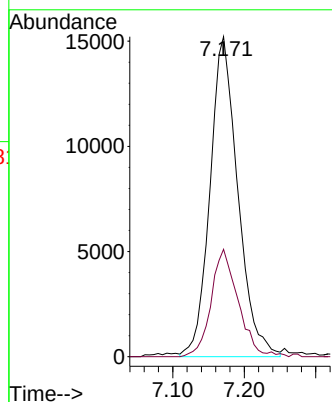
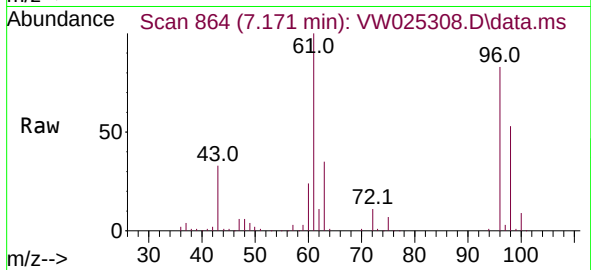




#22
2-Butanone
Concen: 45.305 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

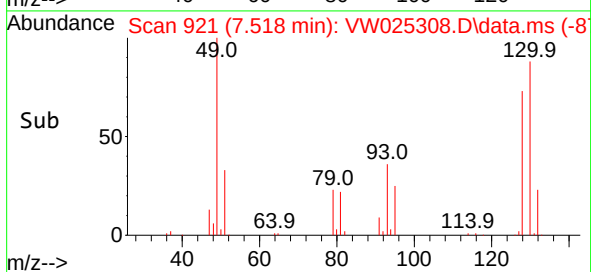
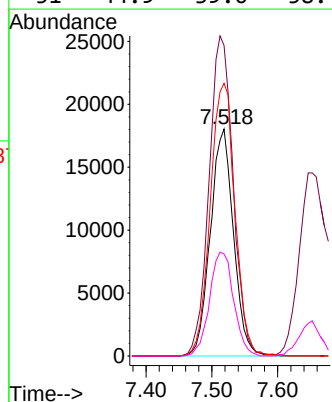
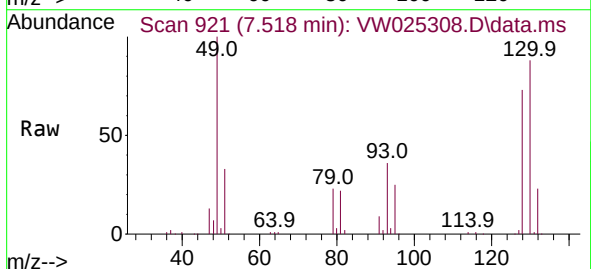
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

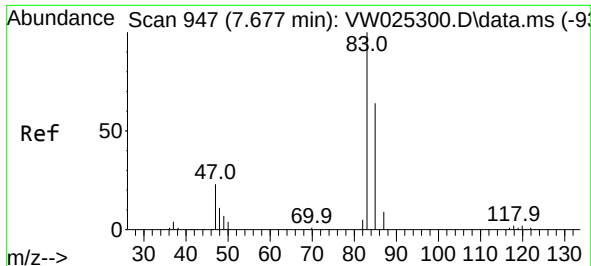
Tgt Ion: 43 Resp: 41215
Ion Ratio Lower Upper
43 100
72 32.1 15.2 45.6



#23
Bromochloromethane
Concen: 25.673 ug/L
RT: 7.518 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion: 128 Resp: 44108
Ion Ratio Lower Upper
128 100
49 136.9 109.0 202.4
130 120.1 93.3 173.3
51 44.9 39.0 58.4

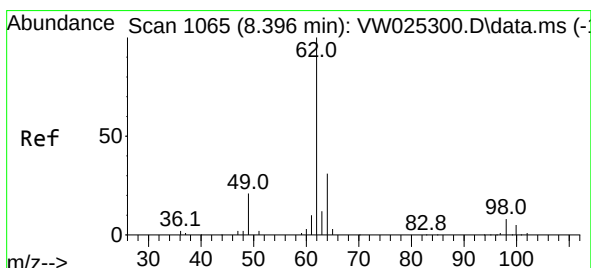
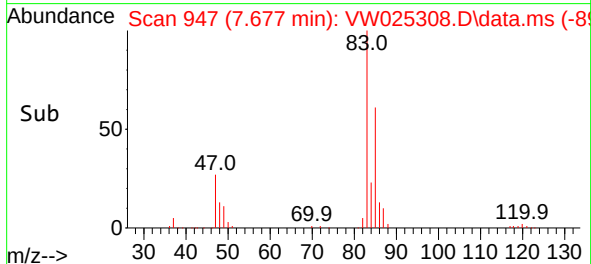
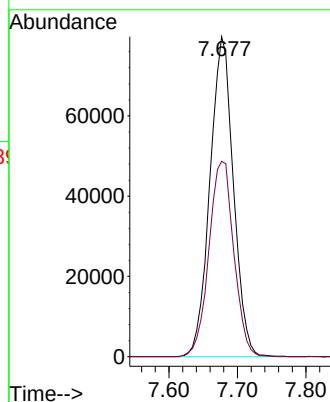
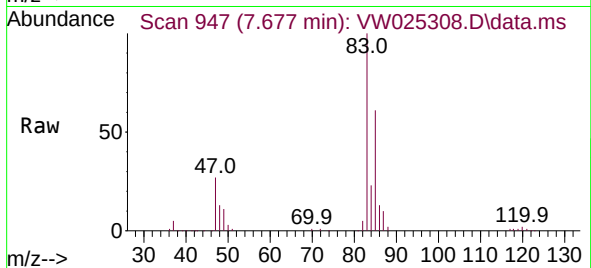




#25
Chloroform
Concen: 26.082 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

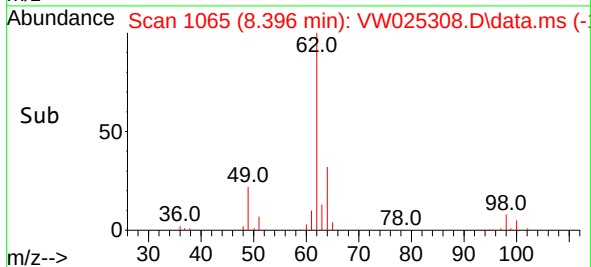
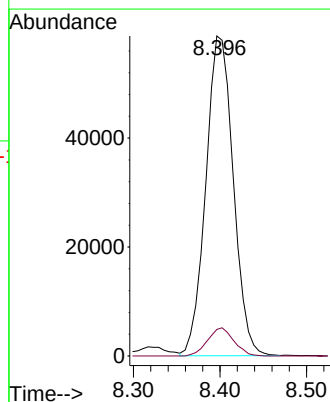
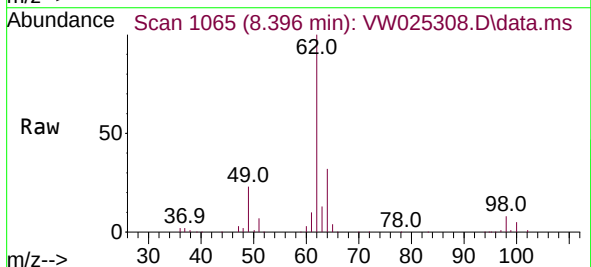
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

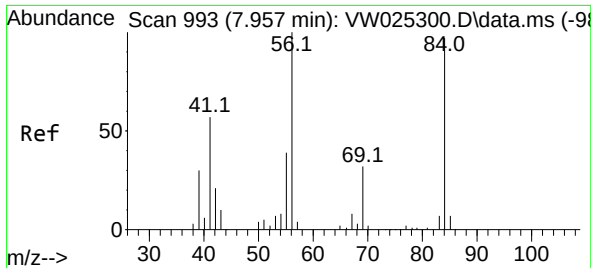
Tgt Ion: 83 Resp: 189773
Ion Ratio Lower Upper
83 100
85 61.0 45.8 85.0



#27
1,2-Dichloroethane
Concen: 29.203 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion: 62 Resp: 129412
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.0

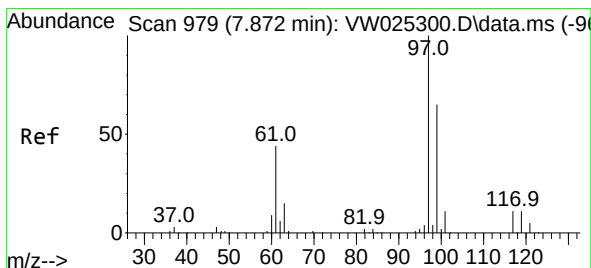
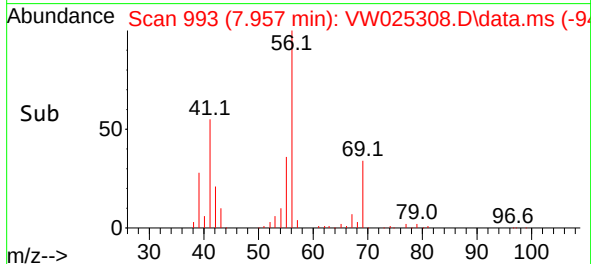
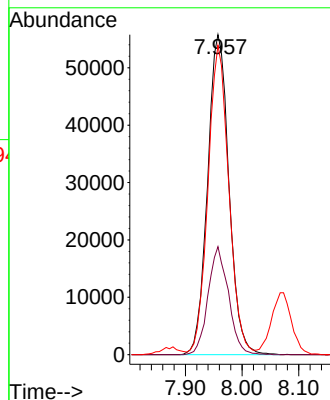
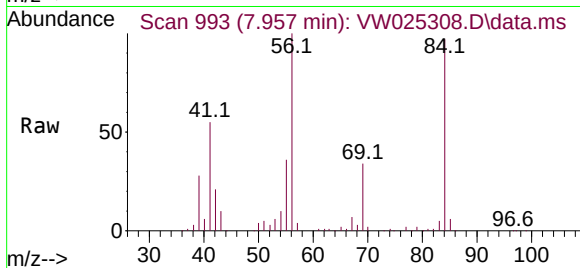




#29
Cyclohexane
Concen: 21.119 ug/L
RT: 7.957 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

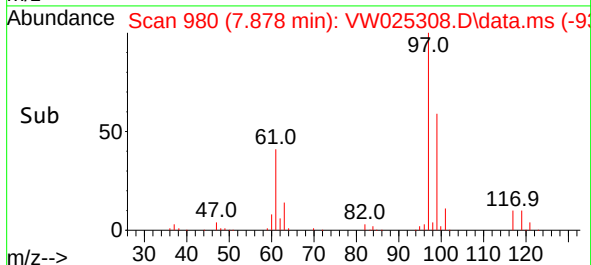
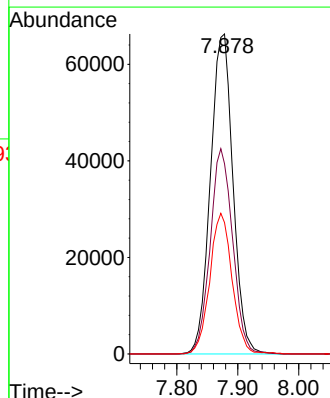
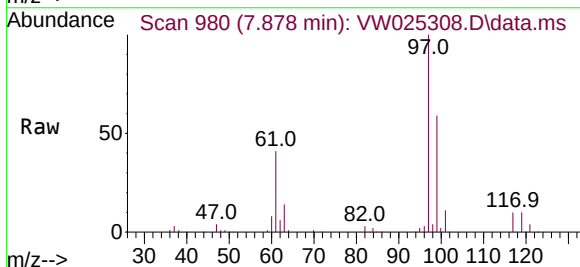
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

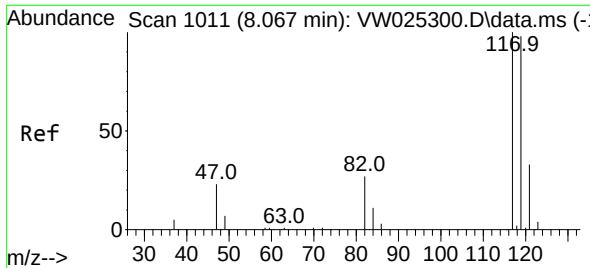
Tgt Ion:	56	Resp:	146281
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.1	37.7
84	94.3	73.2	109.8



#30
1,1,1-Trichloroethane
Concen: 25.014 ug/L
RT: 7.878 min Scan# 980
Delta R.T. 0.006 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion:	97	Resp:	170652
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.2	76.8
61	43.4	35.0	52.6

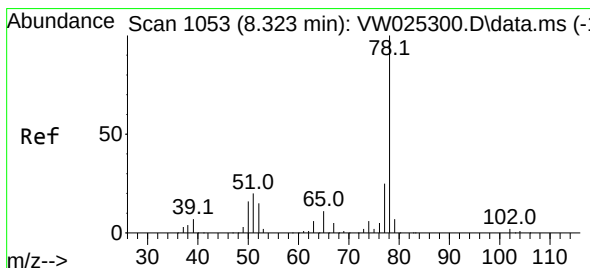
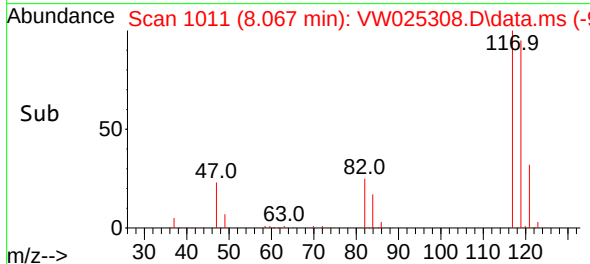
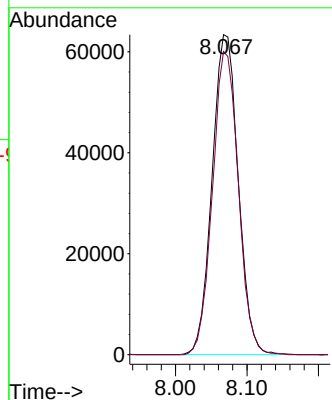
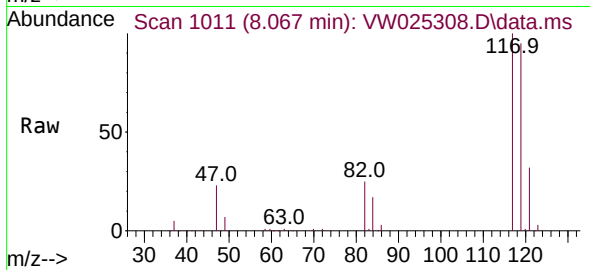




#31
Carbon tetrachloride
Concen: 25.463 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

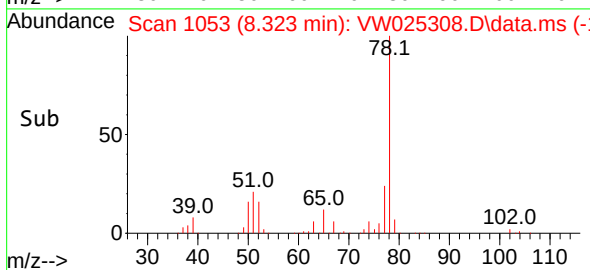
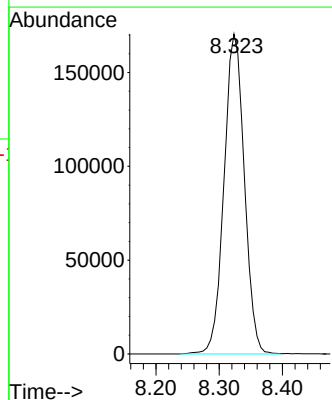
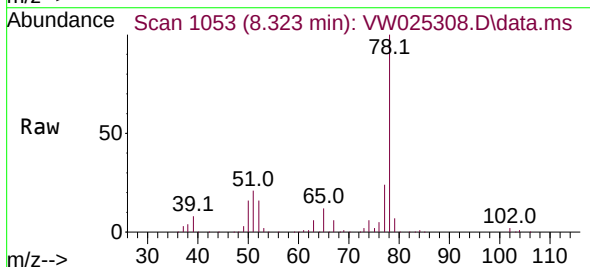
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

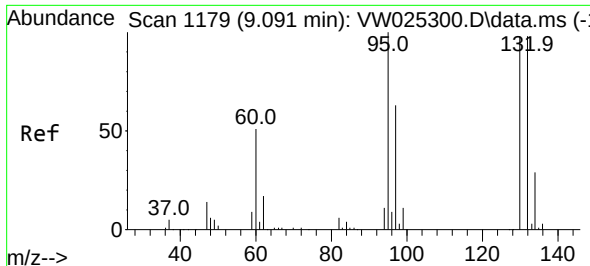
Tgt Ion:117 Resp: 160671
Ion Ratio Lower Upper
117 100
119 94.1 77.6 116.4



#33
Benzene
Concen: 22.833 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion: 78 Resp: 380036



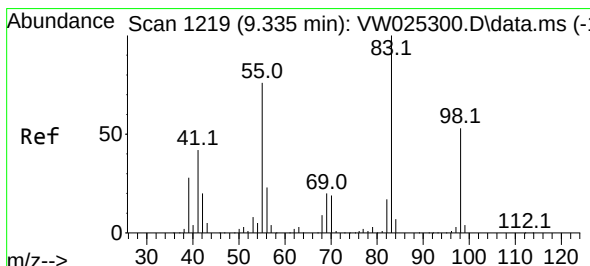
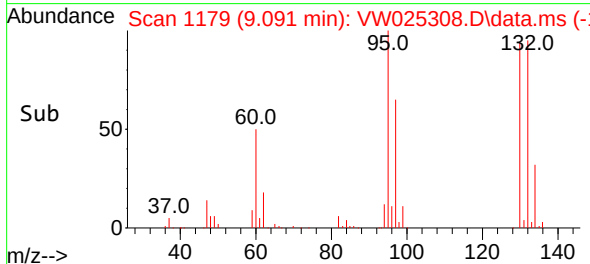
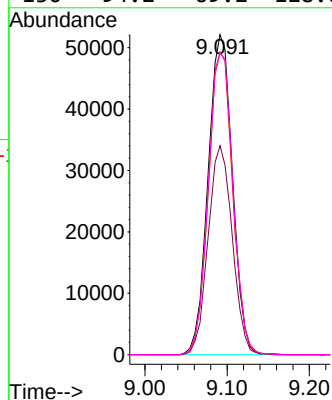
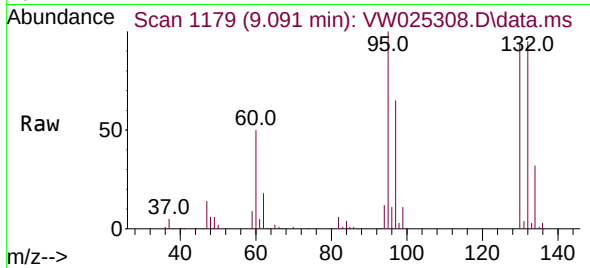


#34
Trichloroethene
Concen: 22.994 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

Tgt Ion: 95 Resp: 107201

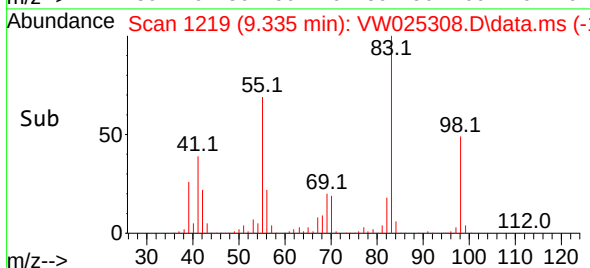
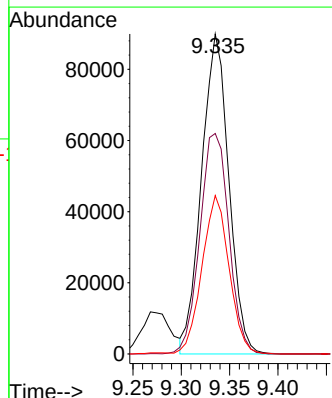
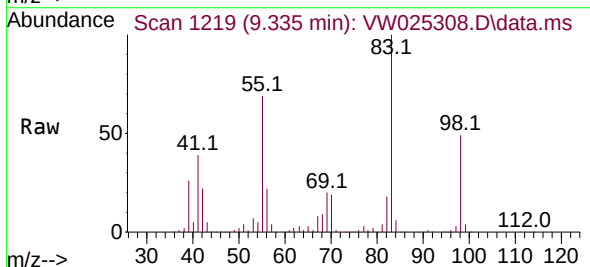
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.4	84.2
132	94.6	67.1	124.5
130	94.2	69.2	128.6

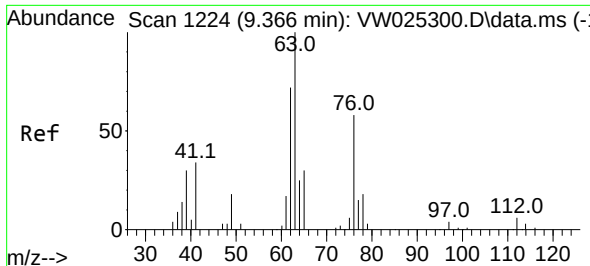


#35
Methylcyclohexane
Concen: 21.213 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion: 83 Resp: 176530

Ion	Ratio	Lower	Upper
83	100		
55	73.3	58.8	88.2
98	49.2	39.5	59.3





#37

1,2-Dichloropropane

Concen: 22.058 ug/L

RT: 9.366 min Scan# 1224

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

Instrument :

MSVOA_W

ClientSampleId :

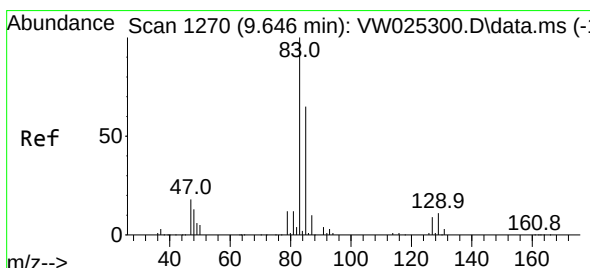
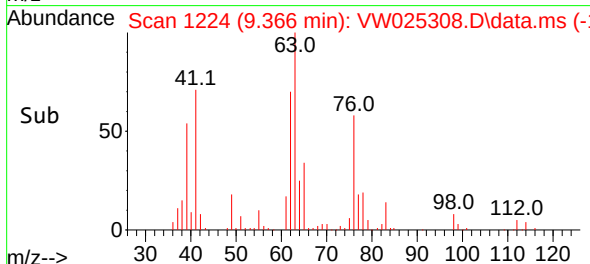
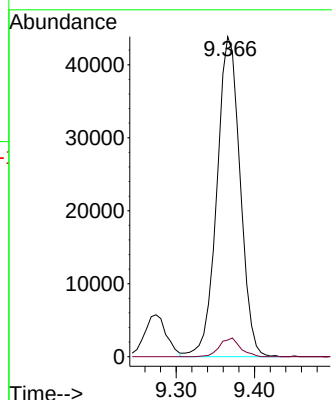
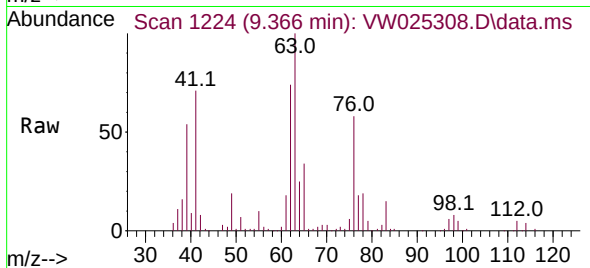
VSTD025531

Tgt Ion: 63 Resp: 90550

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.8



#38

Bromodichloromethane

Concen: 24.506 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

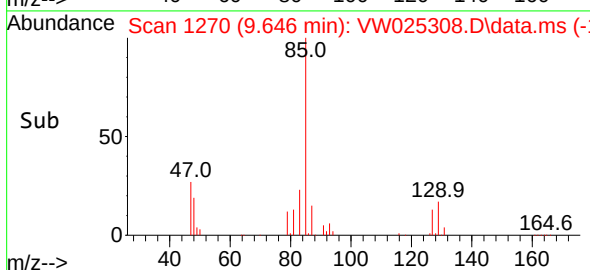
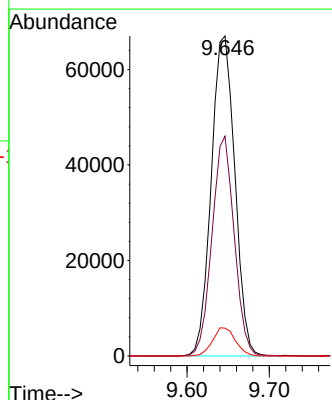
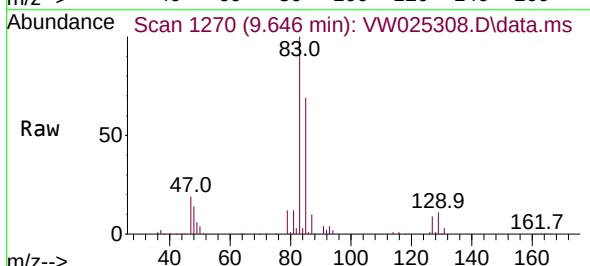
Tgt Ion: 83 Resp: 133766

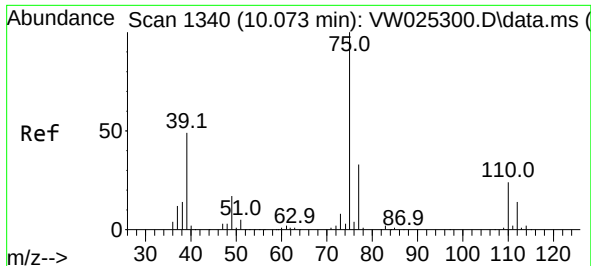
Ion Ratio Lower Upper

83 100

85 68.7 44.4 82.4

127 8.7 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 23.345 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

Instrument :

MSVOA_W

ClientSampleId :

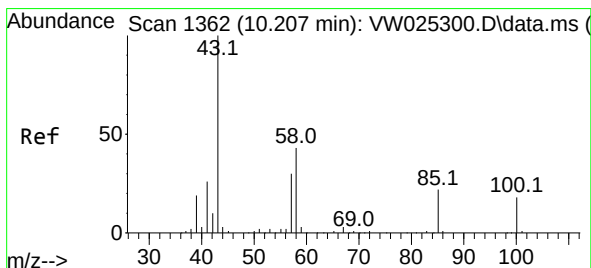
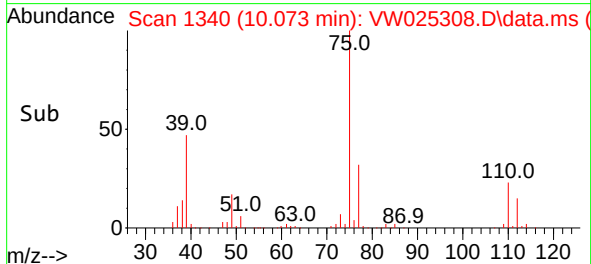
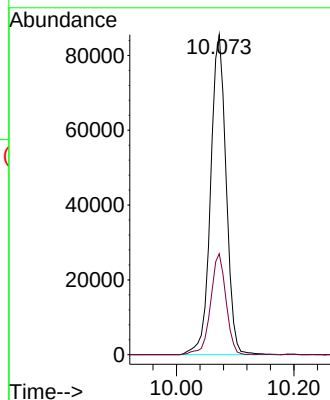
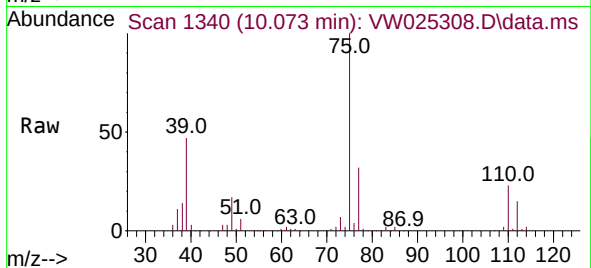
VSTD025531

Tgt Ion: 75 Resp: 156911

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 50.384 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

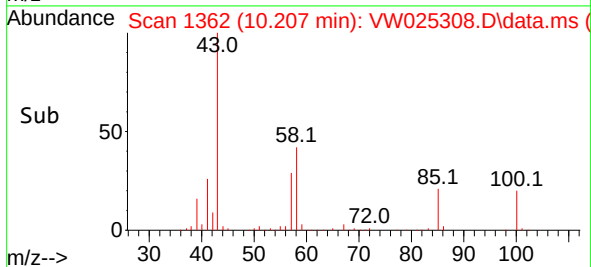
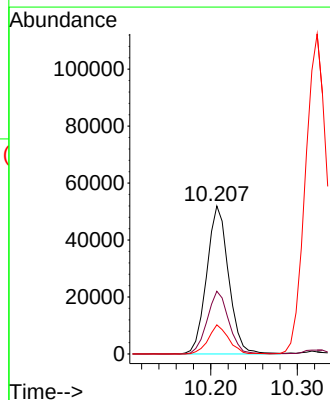
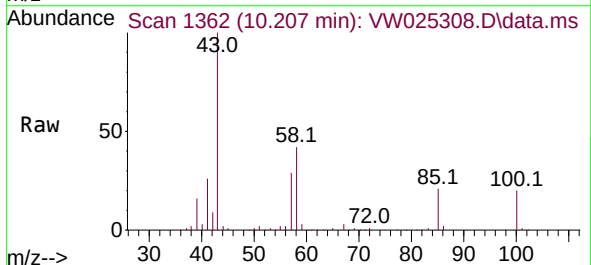
Tgt Ion: 43 Resp: 91322

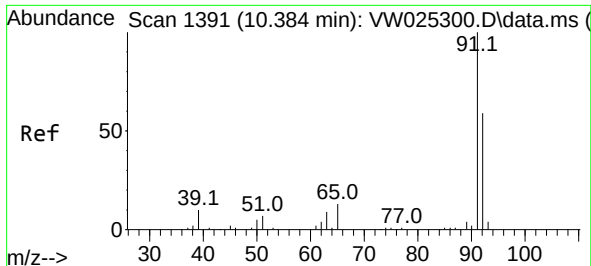
Ion Ratio Lower Upper

43 100

58 41.5 34.1 51.1

100 18.1 14.5 21.7

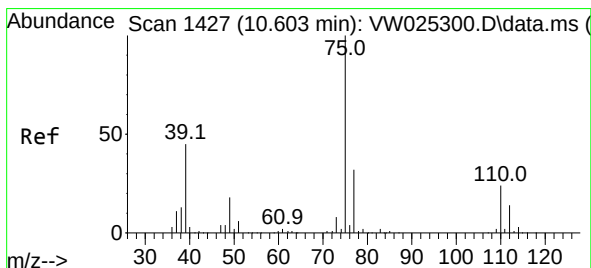
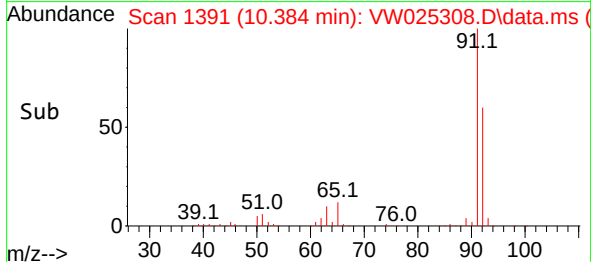
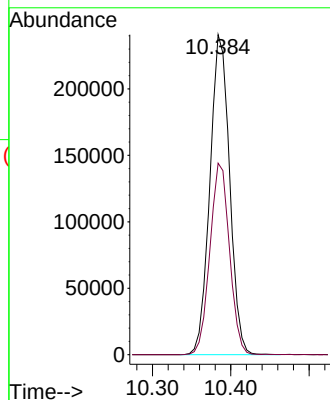
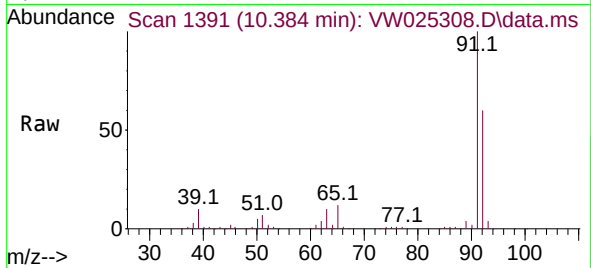




#42
Toluene
Concen: 25.356 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

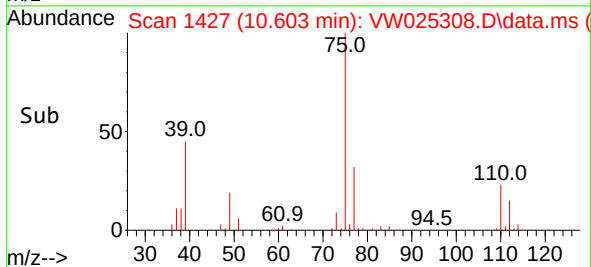
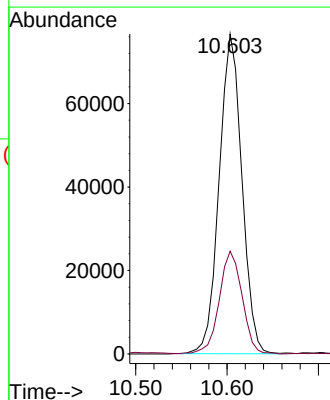
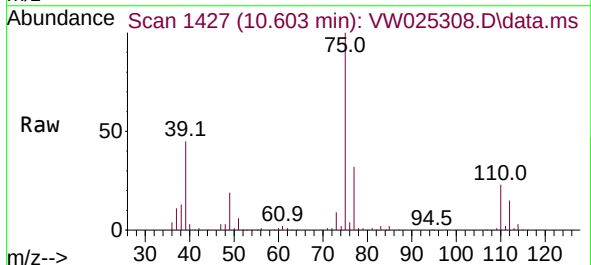
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

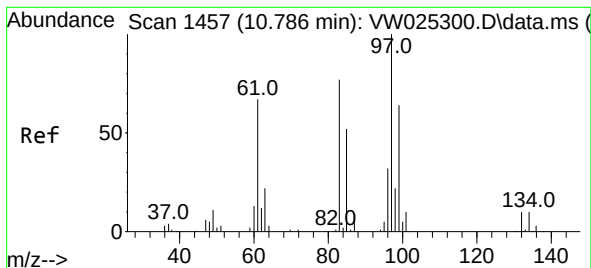
Tgt Ion: 91 Resp: 419677
Ion Ratio Lower Upper
91 100
92 59.8 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 27.643 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion: 75 Resp: 132439
Ion Ratio Lower Upper
75 100
77 32.1 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 27.184 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

Tgt Ion: 97 Resp: 70329

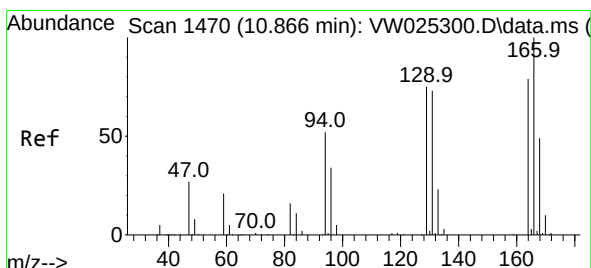
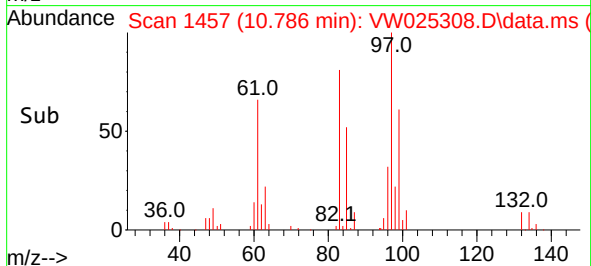
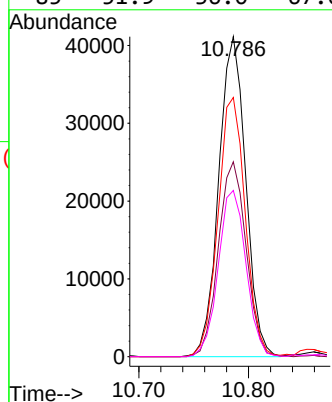
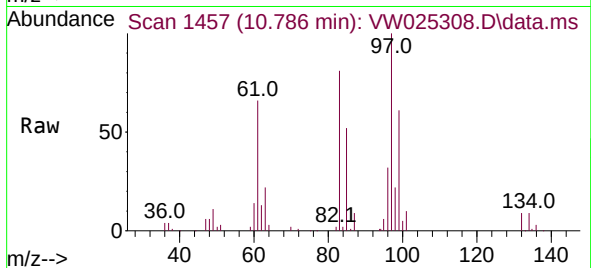
Ion Ratio Lower Upper

97 100

99 60.9 41.4 76.8

83 81.0 54.0 100.4

85 51.9 36.0 67.0



#46

Tetrachloroethene

Concen: 26.891 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.006 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

Tgt Ion:164 Resp: 80120

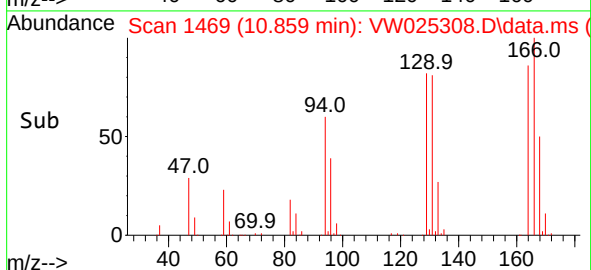
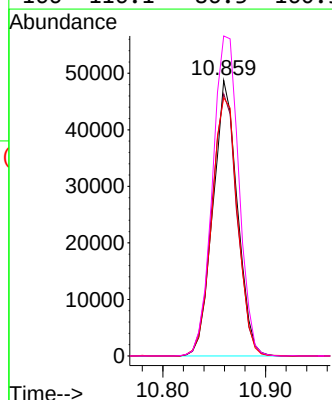
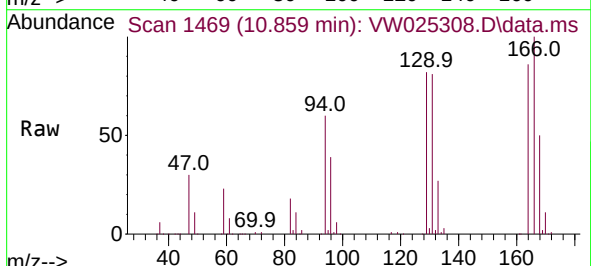
Ion Ratio Lower Upper

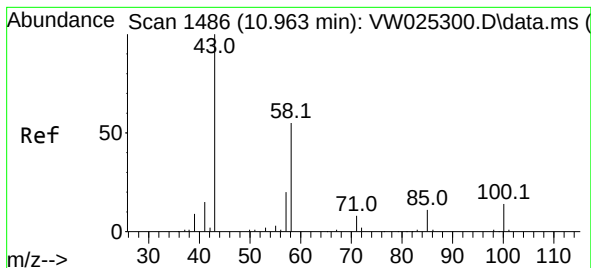
164 100

129 95.1 74.1 137.5

131 93.7 72.3 134.3

166 116.1 86.3 160.3

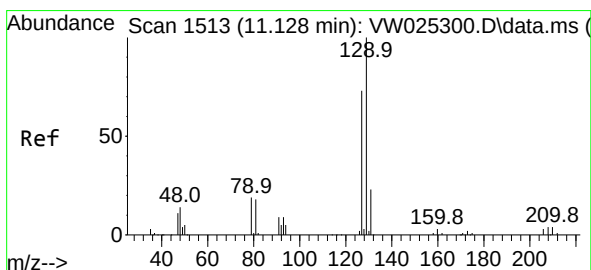
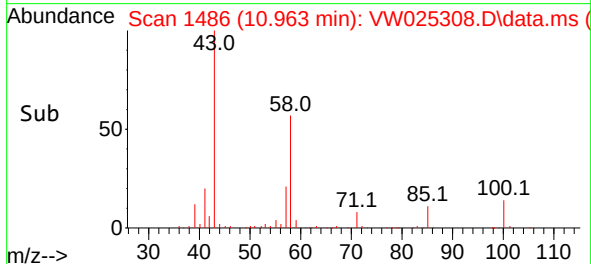
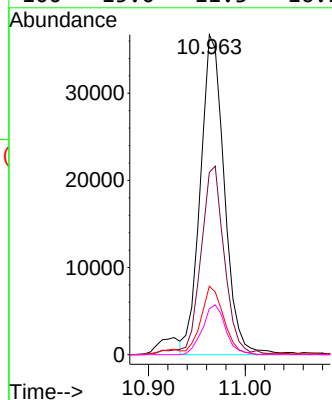
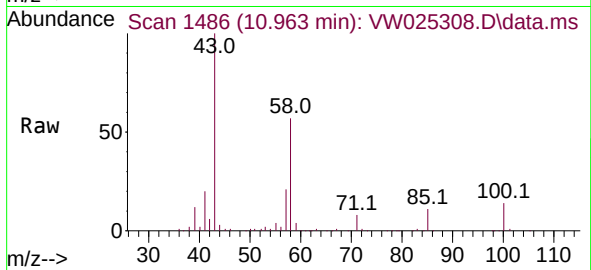




#48
2-Hexanone
Concen: 55.301 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

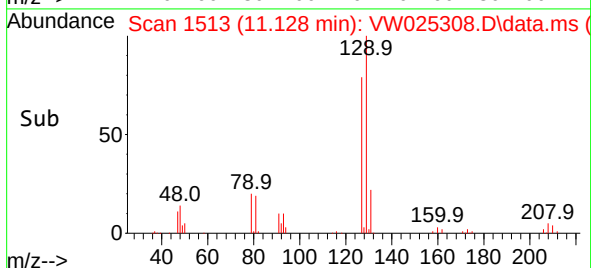
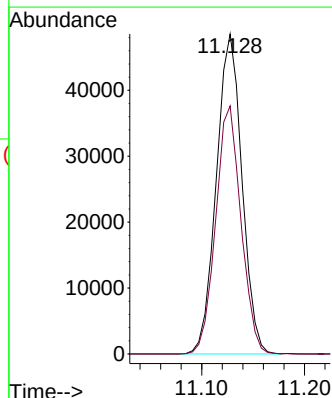
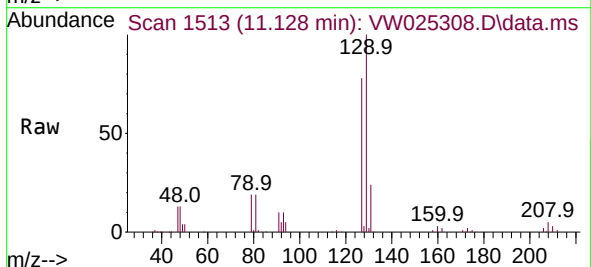
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

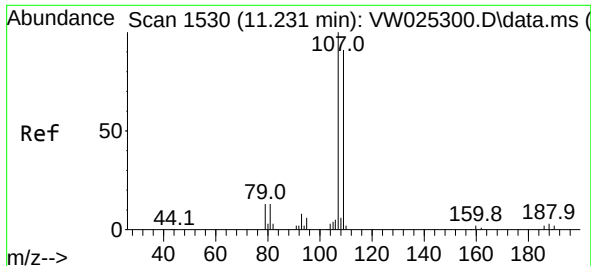
Tgt Ion: 43	Resp: 63279
Ion Ratio	Lower Upper
43 100	
58 57.8	46.3 69.5
57 20.2	16.5 24.7
100 15.0	11.3 16.9



#49
Dibromochloromethane
Concen: 28.743 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion:129	Resp:	83991	
Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.8	101.8





#50

1,2-Dibromoethane

Concen: 28.357 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

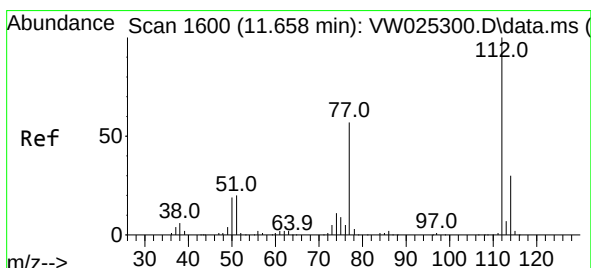
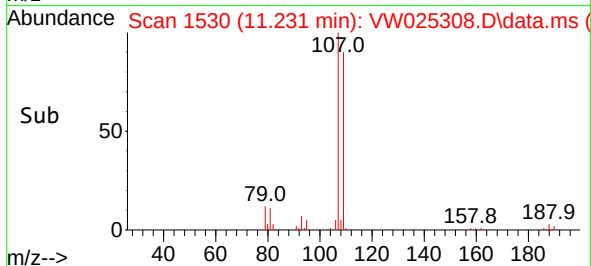
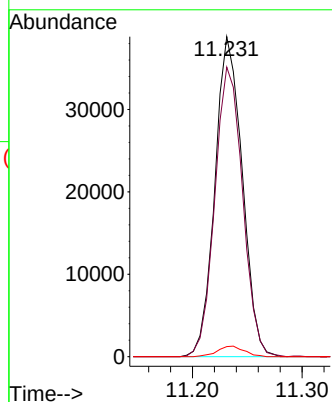
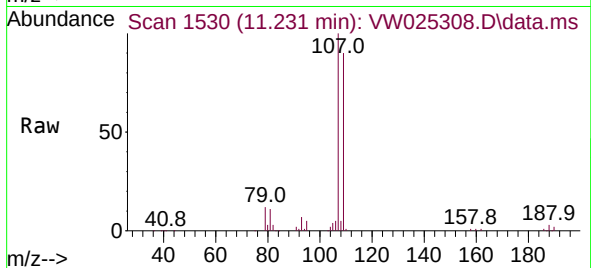
Tgt Ion:107 Resp: 67205

Ion Ratio Lower Upper

107 100

109 90.5 65.0 120.6

188 3.2 2.3 3.5



#51

Chlorobenzene

Concen: 24.648 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

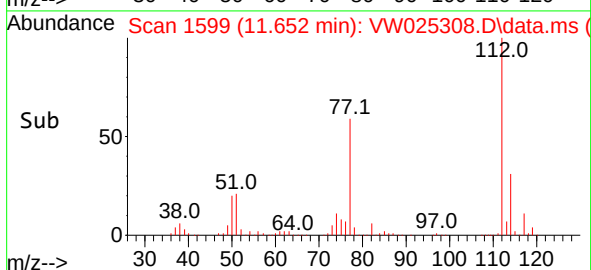
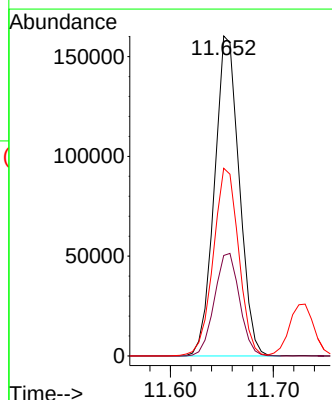
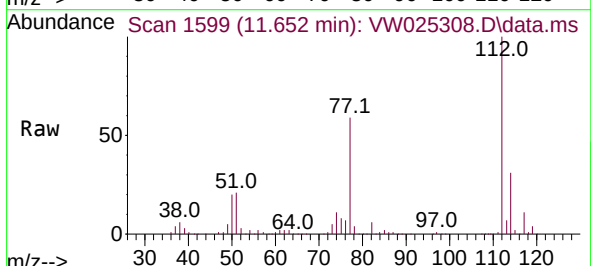
Tgt Ion:112 Resp: 268481

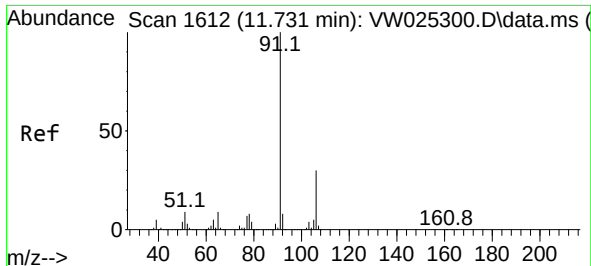
Ion Ratio Lower Upper

112 100

114 31.4 21.7 40.3

77 58.6 46.2 69.4

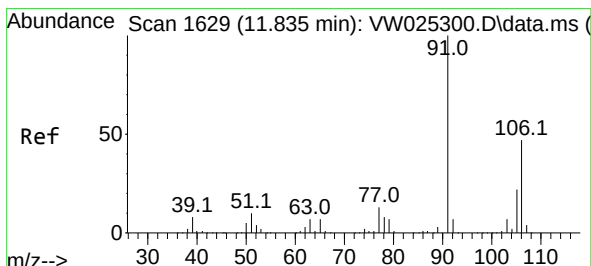
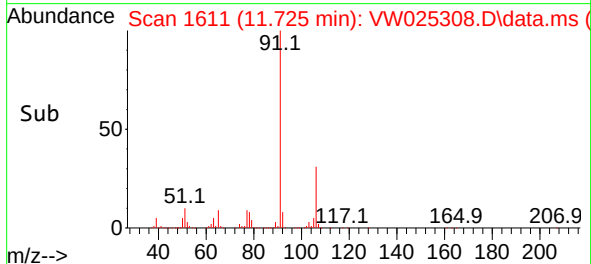
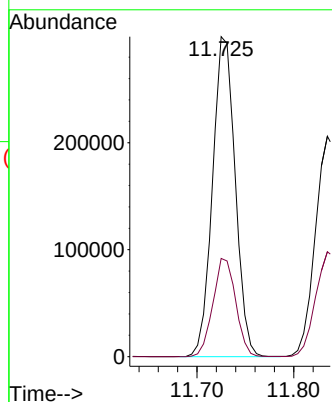
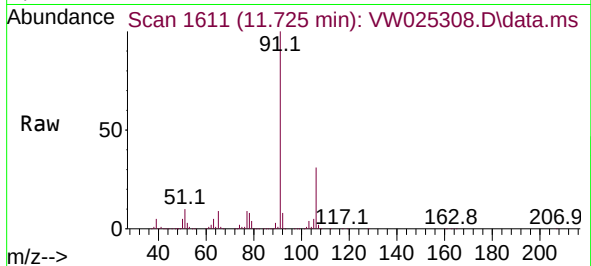




#52
Ethylbenzene
Concen: 24.589 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

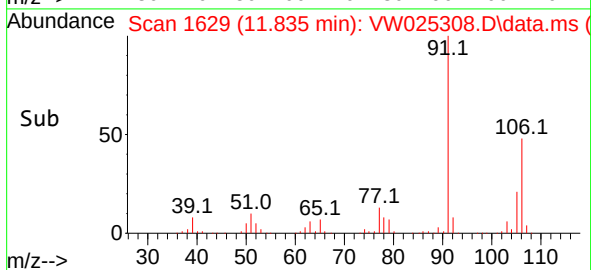
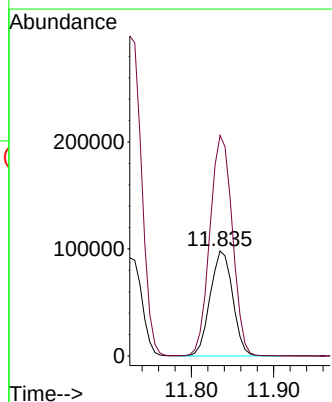
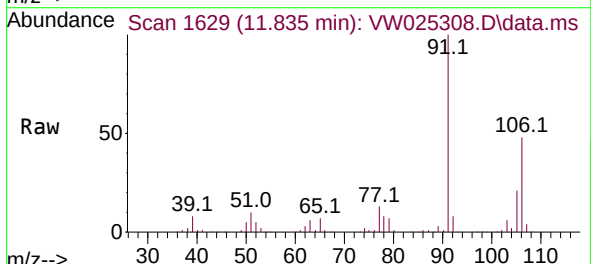
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

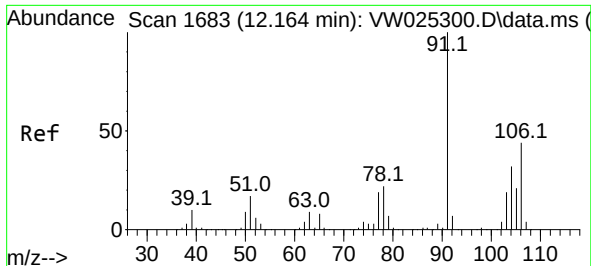
Tgt Ion: 91 Resp: 487631
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.1



#53
m,p-Xylene
Concen: 24.822 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion:106 Resp: 186561
Ion Ratio Lower Upper
106 100
91 210.0 143.4 266.4

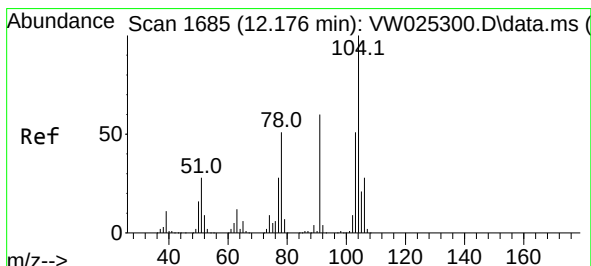
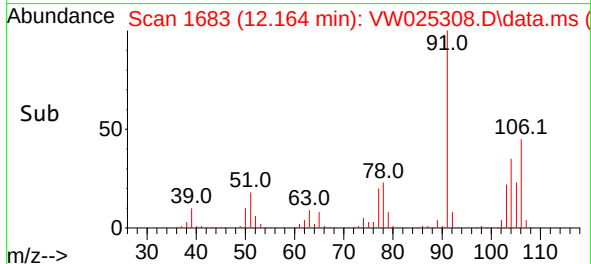
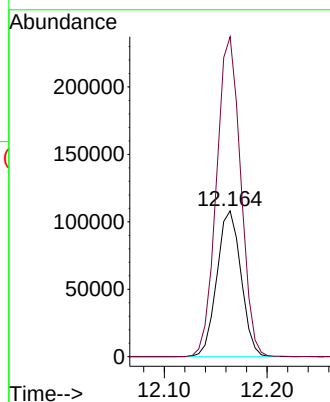
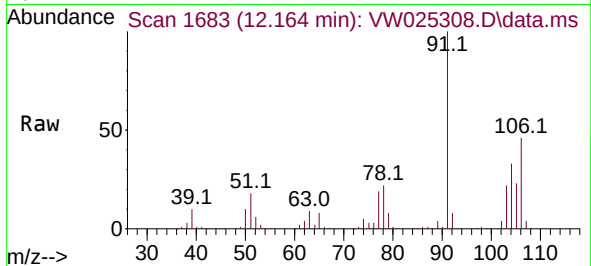




#54
o-Xylene
Concen: 23.297 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

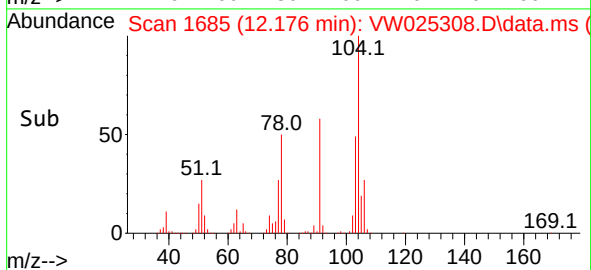
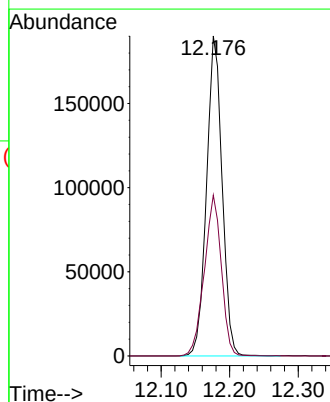
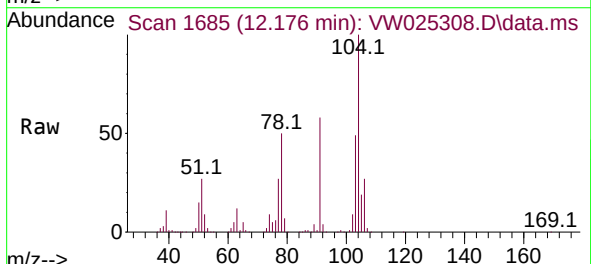
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

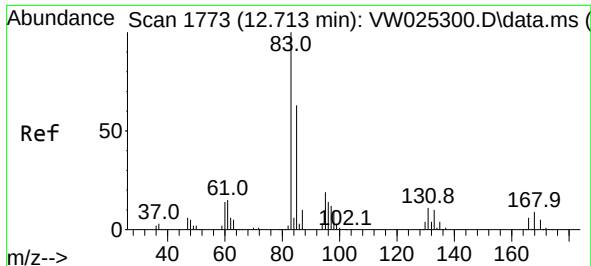
Tgt Ion:106 Resp: 176266
Ion Ratio Lower Upper
106 100
91 219.4 157.6 292.8



#55
Styrene
Concen: 23.501 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion:104 Resp: 301062
Ion Ratio Lower Upper
104 100
78 50.3 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 25.059 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

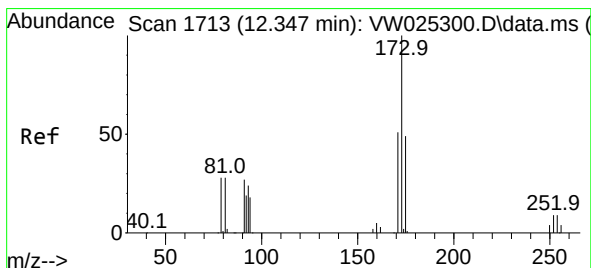
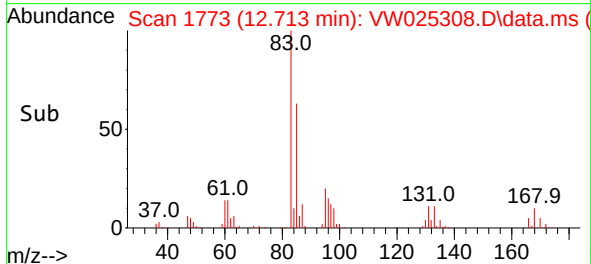
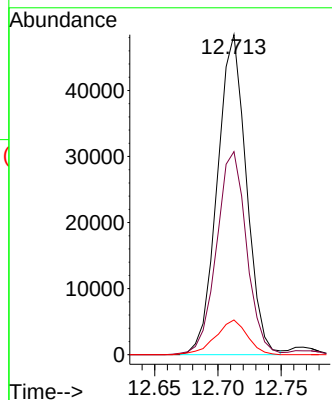
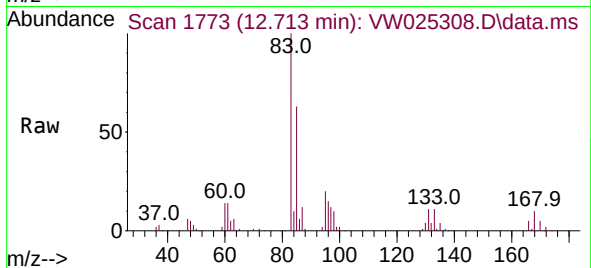
Tgt Ion: 83 Resp: 77249

Ion Ratio Lower Upper

83 100

85 63.5 44.7 83.1

131 10.9 7.8 11.6



#59

Bromoform

Concen: 28.019 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

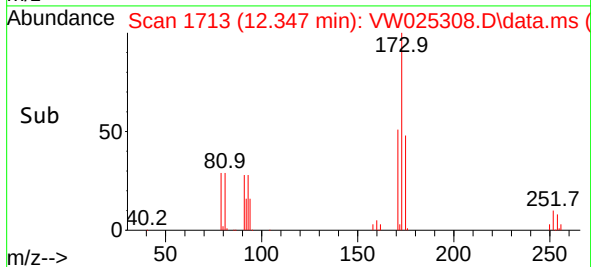
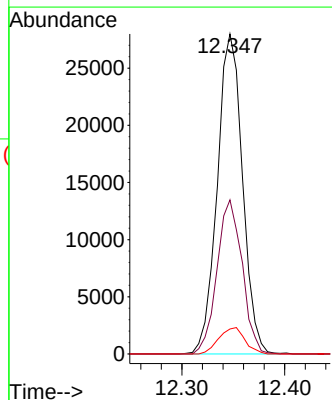
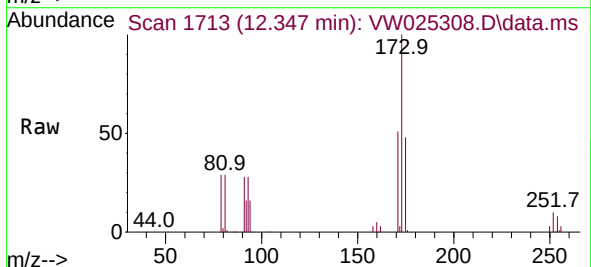
Tgt Ion:173 Resp: 47726

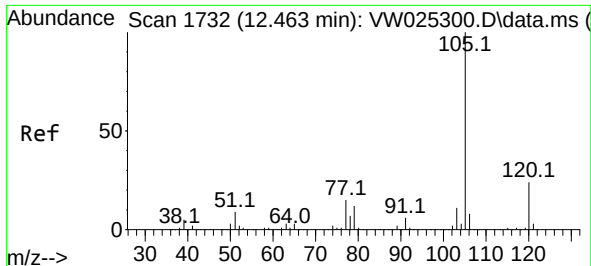
Ion Ratio Lower Upper

173 100

175 47.9 38.6 58.0

254 8.5 7.0 10.4

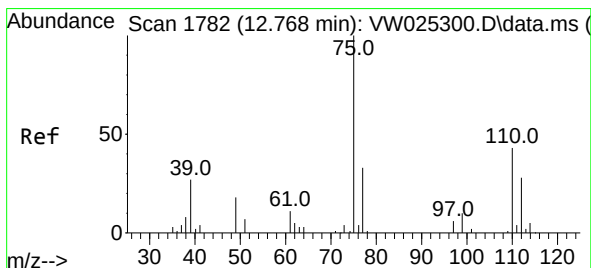
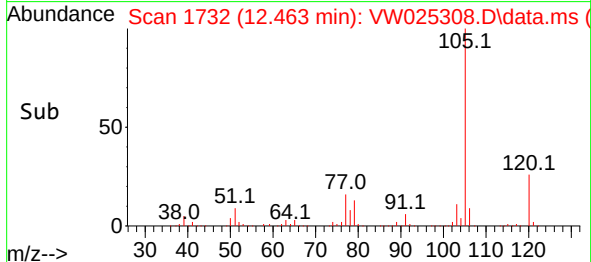
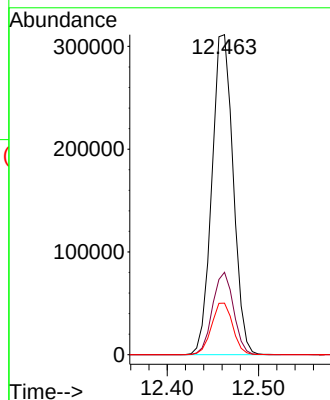
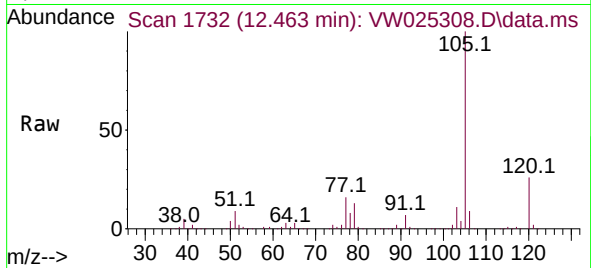




#60
Isopropylbenzene
Concen: 24.762 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

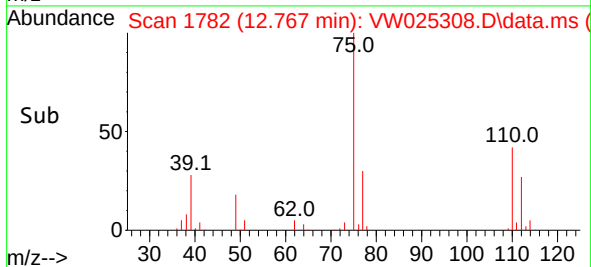
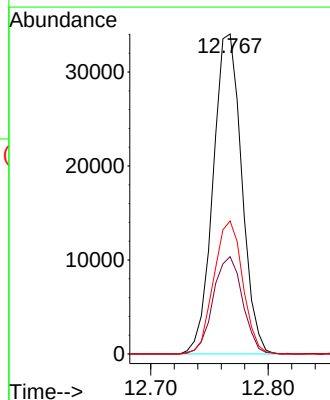
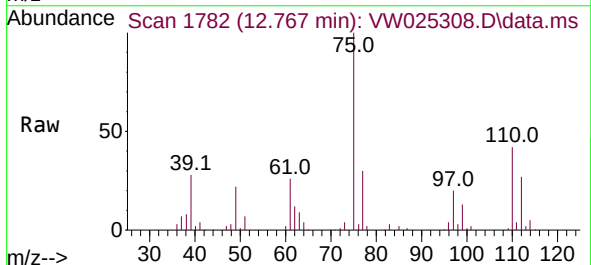
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

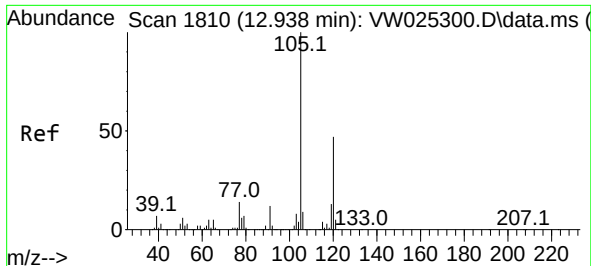
Tgt Ion:105 Resp: 503475
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8
77 16.1 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 26.991 ug/L
RT: 12.767 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion: 75 Resp: 57617
Ion Ratio Lower Upper
75 100
77 31.3 26.7 40.1
110 41.9 33.2 49.8

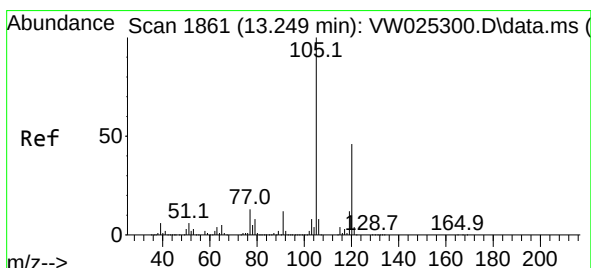
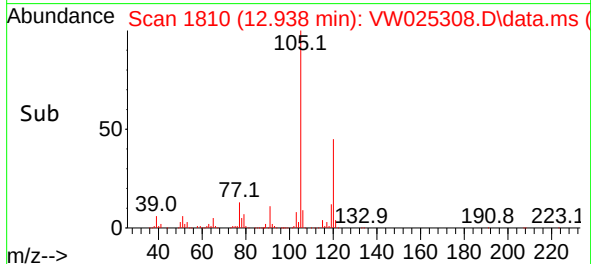
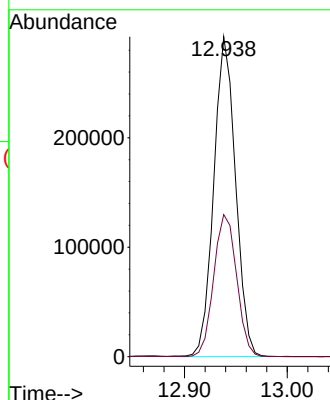
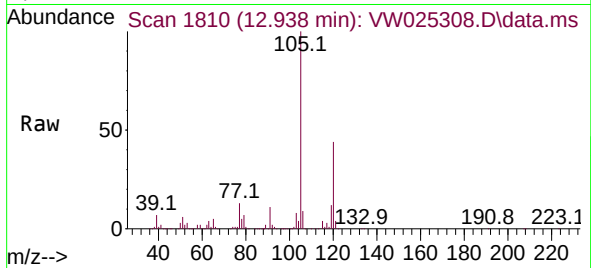




#62
1,3,5-Trimethylbenzene
Concen: 26.233 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

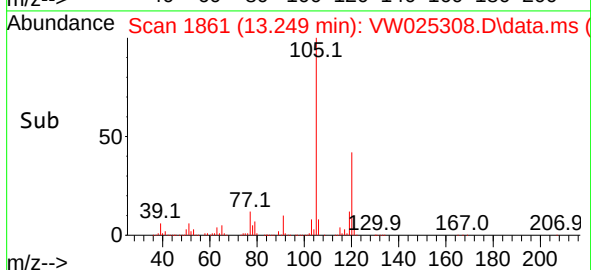
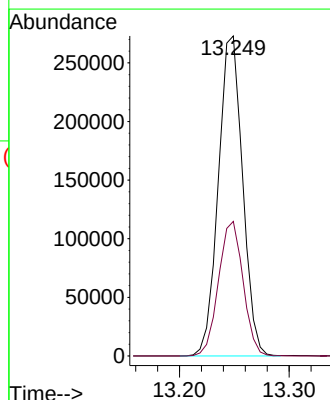
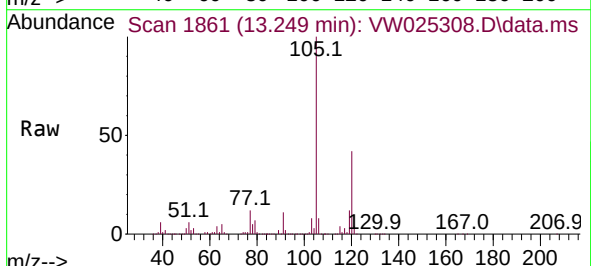
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

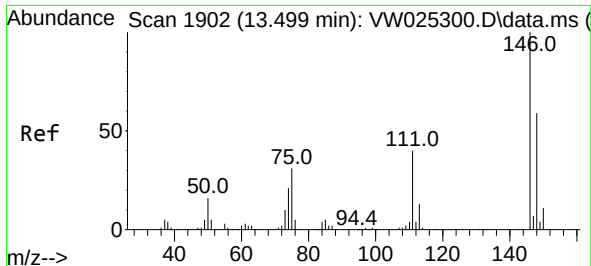
Tgt Ion:105 Resp: 429993
Ion Ratio Lower Upper
105 100
120 46.7 37.0 55.4



#63
1,2,4-Trimethylbenzene
Concen: 25.570 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion:105 Resp: 419967
Ion Ratio Lower Upper
105 100
120 42.5 35.0 52.4

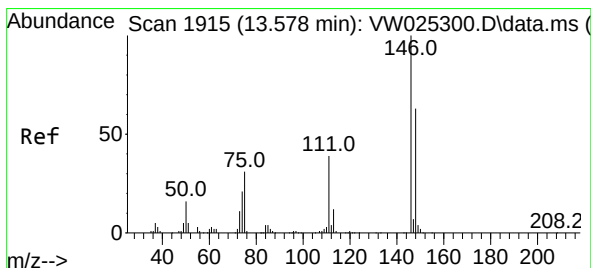
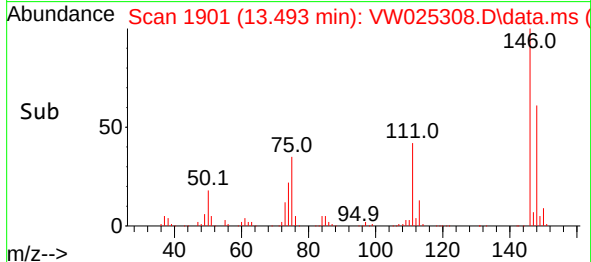
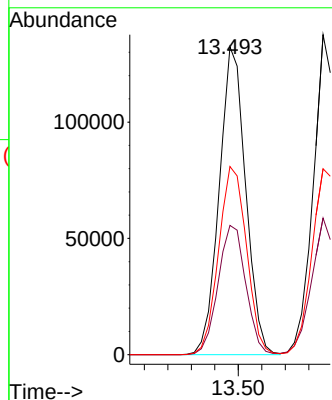
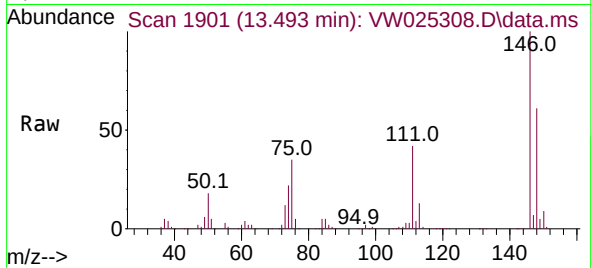




#64
1,3-Dichlorobenzene
Concen: 24.571 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

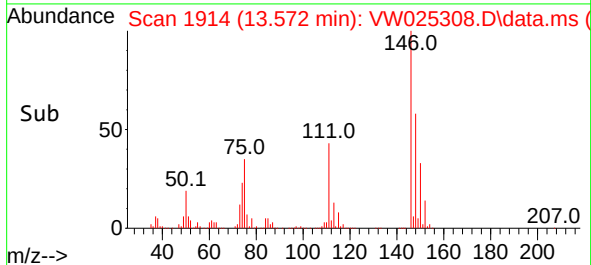
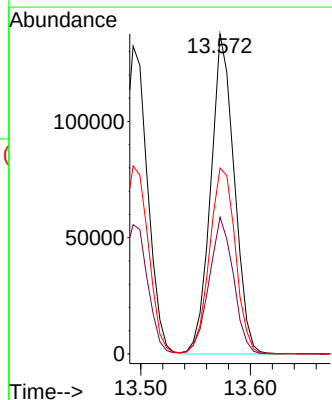
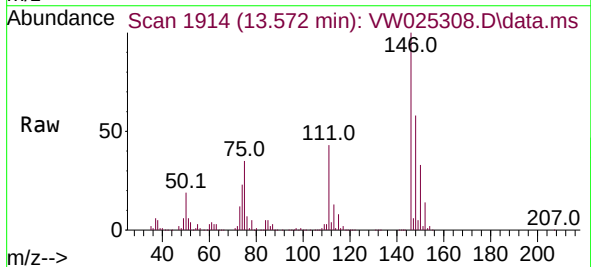
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

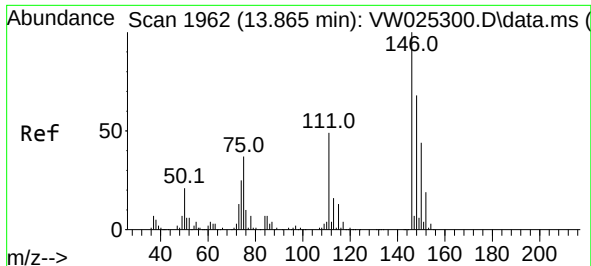
Tgt Ion:146 Resp: 206987
Ion Ratio Lower Upper
146 100
111 42.0 29.0 53.8
148 61.1 41.7 77.5



#65
1,4-Dichlorobenzene
Concen: 24.774 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW025308.D
Acq: 07 Feb 2023 15:14

Tgt Ion:146 Resp: 205936
Ion Ratio Lower Upper
146 100
111 42.7 29.3 54.3
148 58.1 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 25.008 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

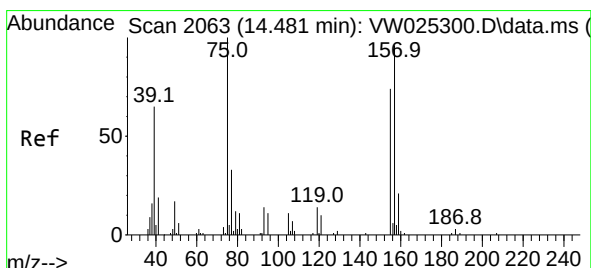
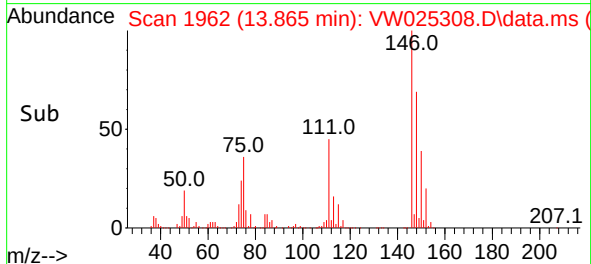
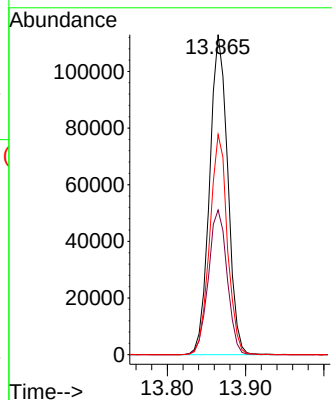
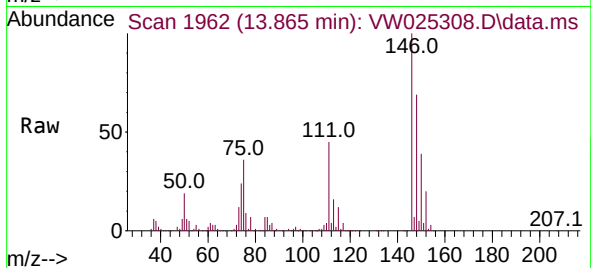
Tgt Ion:146 Resp: 181545

Ion Ratio Lower Upper

146 100

111 45.2 36.2 54.2

148 68.8 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 29.034 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

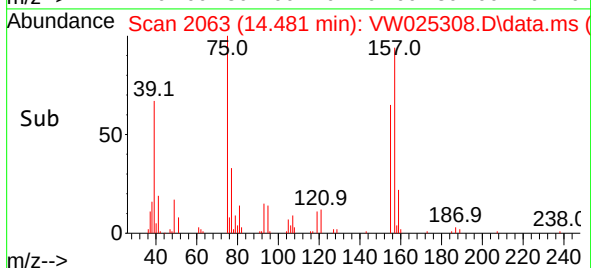
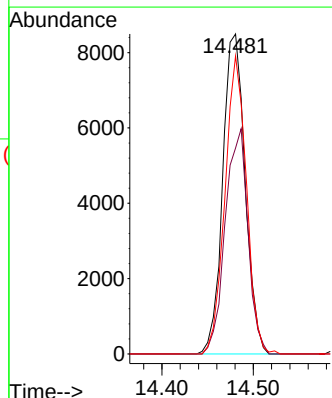
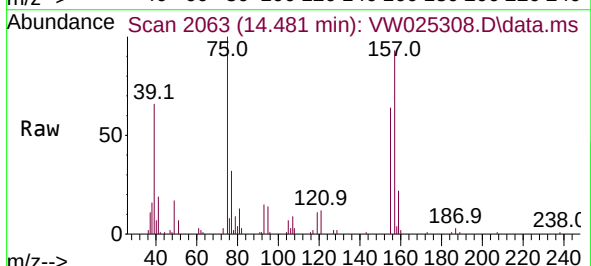
Tgt Ion: 75 Resp: 14475

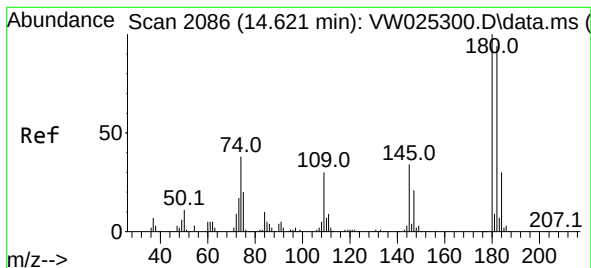
Ion Ratio Lower Upper

75 100

155 64.4 63.4 95.2

157 93.1 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 25.381 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

Tgt Ion:180 Resp: 139039

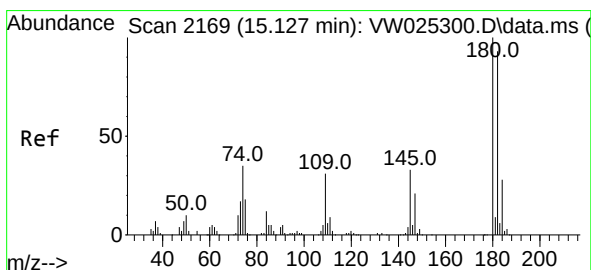
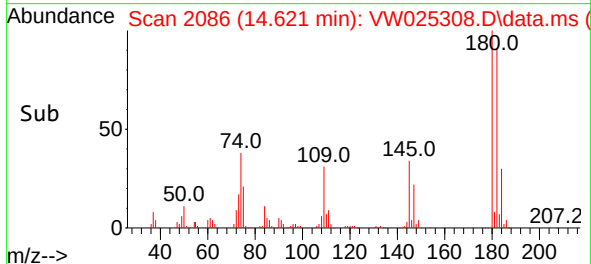
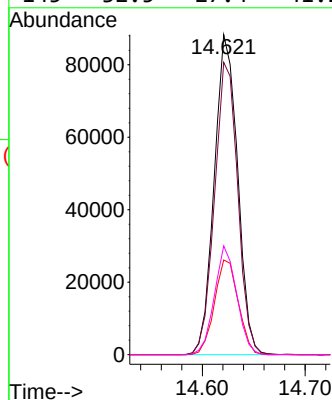
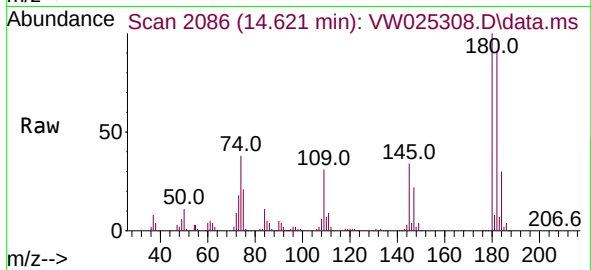
Ion Ratio Lower Upper

180 100

182 90.9 77.7 116.5

184 30.2 24.4 36.6

145 32.5 27.4 41.2



#70

1,2,4-trichlorobenzene

Concen: 25.754 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

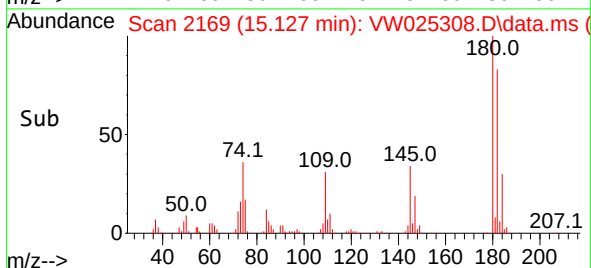
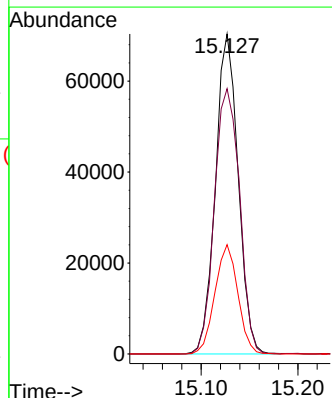
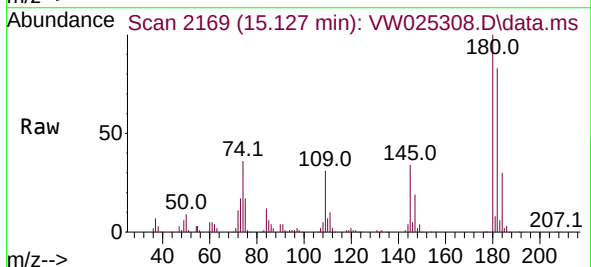
Tgt Ion:180 Resp: 114880

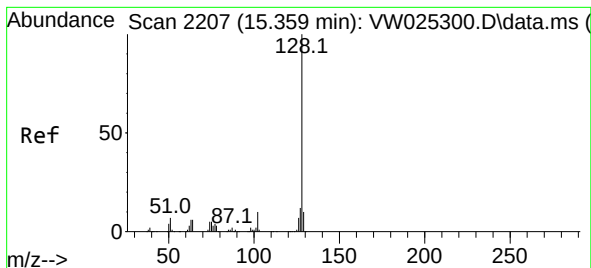
Ion Ratio Lower Upper

180 100

182 91.6 76.4 114.6

145 34.4 27.4 41.2





#71

Naphthalene

Concen: 28.246 ug/L

RT: 15.358 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

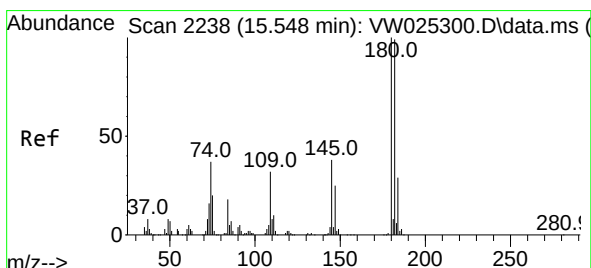
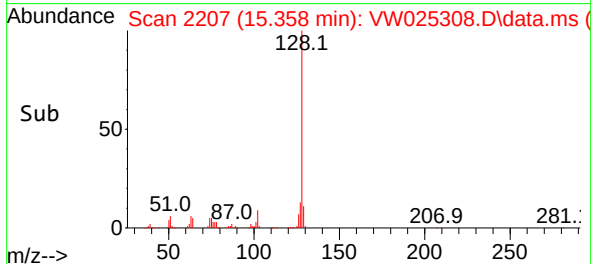
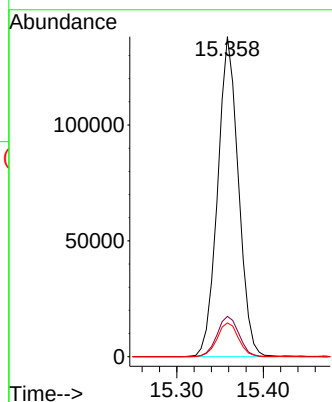
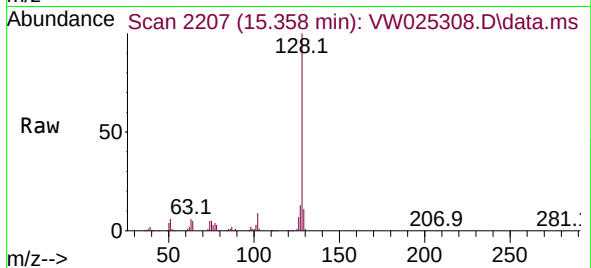
Tgt Ion:128 Resp: 230329

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 24.621 ug/L

RT: 15.547 min Scan# 2238

Delta R.T. -0.000 min

Lab File: VW025308.D

Acq: 07 Feb 2023 15:14

Tgt Ion:180 Resp: 94300

Ion Ratio Lower Upper

180 100

182 99.3 75.1 112.7

145 37.6 28.8 43.2

