

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041023\
 Data File : VW025569.D
 Acq On : 10 Apr 2023 12:10
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025568

Quant Time: Apr 11 01:57:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Apr 11 01:56:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	753851	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	658152	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	324097	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	237161	19.333	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.320%
7) Chloroethane-d5	2.899	69	176767	20.239	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.960%
11) 1,1-Dichloroethene-d2	4.027	63	506867	20.431	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.720%
21) 2-Butanone-d5	7.075	46	129579	47.349	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.700%
24) Chloroform-d	7.648	84	467768	22.100	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	8.307	65	242612	22.032	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.120%
32) Benzene-d6	8.276	84	939833	22.053	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	9.270	67	289287	21.771	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.080%
41) Toluene-d8	10.325	98	826975	22.215	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.840%
43) trans-1,3-Dichloroprop...	10.575	79	109211	21.922	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.680%
47) 2-Hexanone-d5	10.922	63	91326	50.282	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.560%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	214065	23.868	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.480%
66) 1,2-Dichlorobenzene-d4	13.848	152	248050	22.278	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	205437	19.488	ug/L	99
3) Chloromethane	2.222	50	278043	22.734	ug/L	100
5) Vinyl chloride	2.375	62	304449	22.518	ug/L	100
6) Bromomethane	2.789	94	164052	22.556	ug/L	97
8) Chloroethane	2.936	64	173344	22.892	ug/L	99
9) Trichlorofluoromethane	3.271	101	215295	20.670	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	251876	24.097	ug/L	98
12) 1,1-Dichloroethene	4.045	96	236917	22.644	ug/L	96
13) Acetone	4.118	43	105107	45.380	ug/L	100
14) Carbon disulfide	4.387	76	787459	21.333	ug/L	99
15) Methyl Acetate	4.667	43	122708	23.581	ug/L	99
16) Methylene chloride	4.917	84	264239	22.052	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	251262	22.589	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	364171	23.723	ug/L	100
19) 1,1-Dichloroethane	6.216	63	518206	23.317	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	268812	23.227	ug/L	100
22) 2-Butanone	7.173	43	153317	46.563	ug/L	100
23) Bromochloromethane	7.514	128	110185	23.216	ug/L	96
25) Chloroform	7.673	83	480239	23.630	ug/L	97

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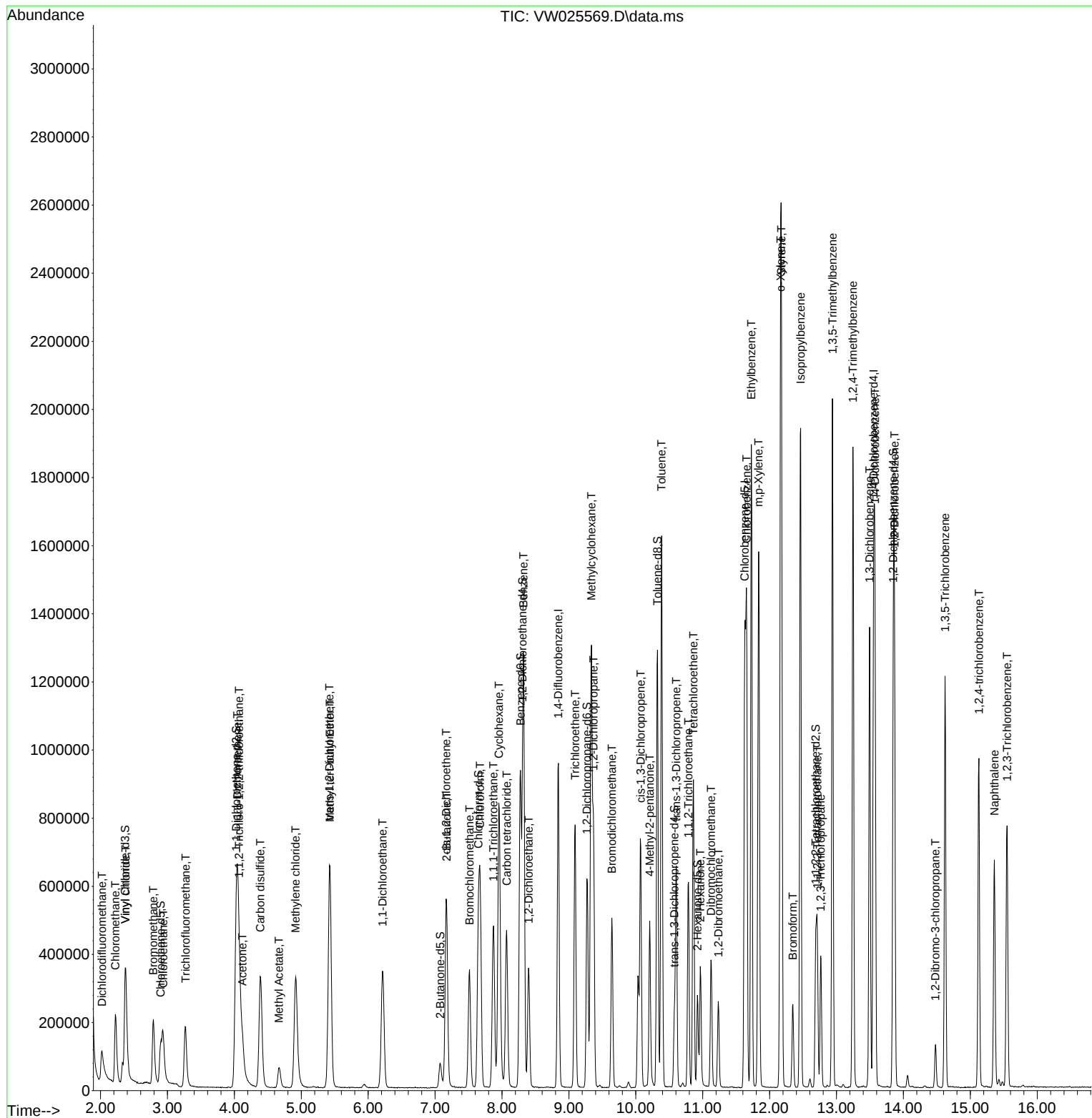
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	319117	23.399	ug/L	99
29) Cyclohexane	7.953	56	496650	23.315	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	381390	23.322	ug/L	99
31) Carbon tetrachloride	8.069	117	350078	23.705	ug/L	99
33) Benzene	8.319	78	1092710	23.853	ug/L	100
34) Trichloroethene	9.093	95	275160	23.092	ug/L	97
35) Methylcyclohexane	9.337	83	493216	22.923	ug/L	100
37) 1,2-Dichloropropane	9.368	63	292068	24.141	ug/L	99
38) Bromodichloromethane	9.642	83	331424	23.942	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	423746	24.417	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	335749	49.029	ug/L	99
42) Toluene	10.386	91	1114226	23.886	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	341278	23.848	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	186647	24.195	ug/L	97
46) Tetrachloroethene	10.861	164	192167	22.930	ug/L	93
48) 2-Hexanone	10.965	43	233992	49.454	ug/L	97
49) Dibromochloromethane	11.123	129	193296	23.799	ug/L	99
50) 1,2-Dibromoethane	11.233	107	166957	23.555	ug/L	97
51) Chlorobenzene	11.654	112	678601	23.608	ug/L	97
52) Ethylbenzene	11.727	91	1285130	24.346	ug/L	99
53) m,p-Xylene	11.837	106	473441	24.457	ug/L	96
54) o-Xylene	12.166	106	448551	24.768	ug/L	97
55) Styrene	12.178	104	761794	24.992	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.714	83	219898	23.798	ug/L	99
59) Bromoform	12.349	173	107282	24.157	ug/L	97
60) Isopropylbenzene	12.465	105	1227928	24.187	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	159456	23.739	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	1005409	25.087	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	974632	25.256	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	507722	24.133	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	519519	24.179	ug/L	91
67) 1,2-Dichlorobenzene	13.867	146	450236	24.411	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	33759	22.911	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.623	180	340629	24.182	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	290873	25.421	ug/L	93
71) Naphthalene	15.360	128	535264	25.070	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	248913	24.881	ug/L	97

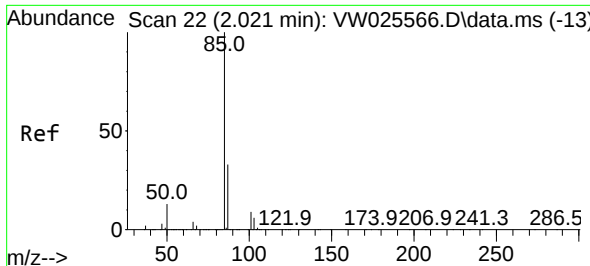
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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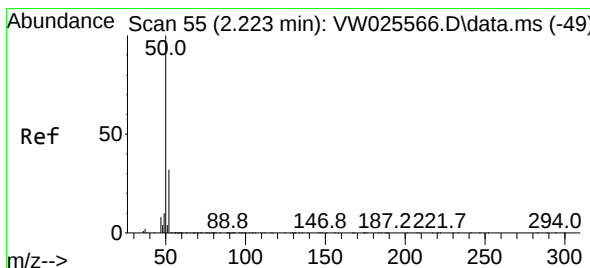
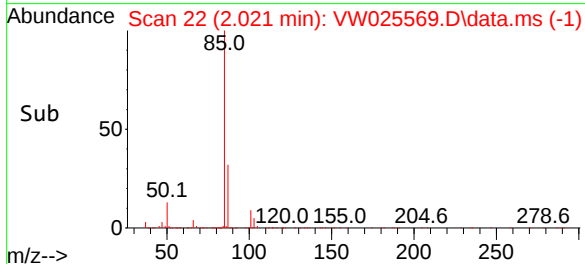
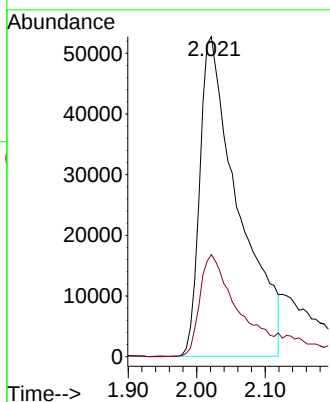
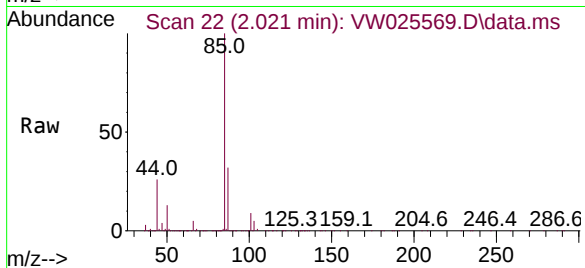




#2
 Dichlorodifluoromethane
 Concen: 19.488 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW025569.D
 Acq: 10 Apr 2023 12:10

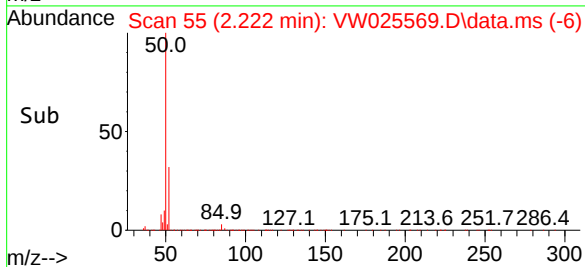
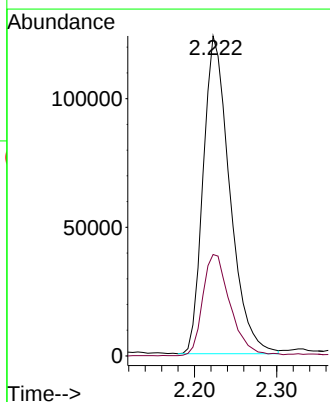
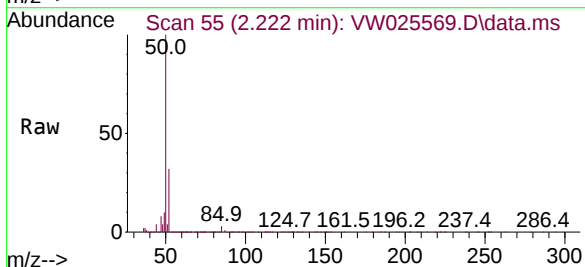
Instrument :
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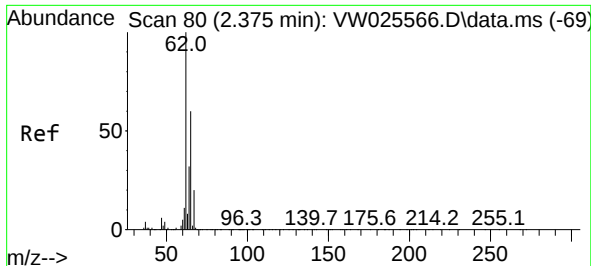
Tgt Ion: 85 Resp: 205437
 Ion Ratio Lower Upper
 85 100
 87 31.2 24.6 37.0



#3
 Chloromethane
 Concen: 22.734 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW025569.D
 Acq: 10 Apr 2023 12:10

Tgt Ion: 50 Resp: 278043
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.2 41.2

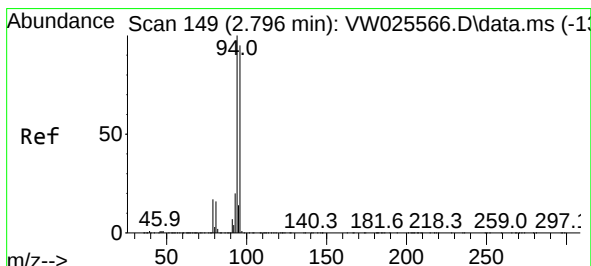
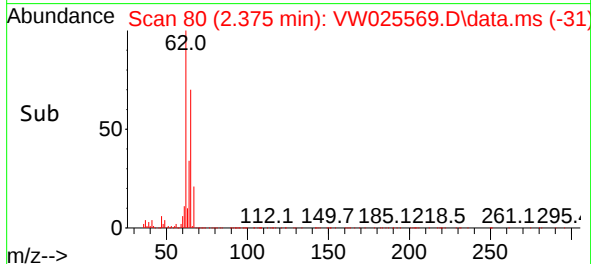
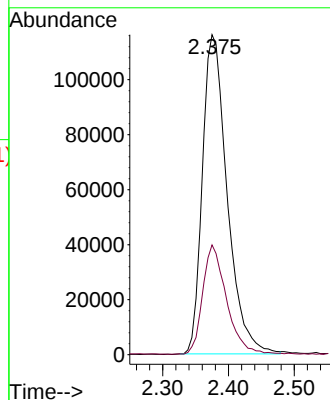
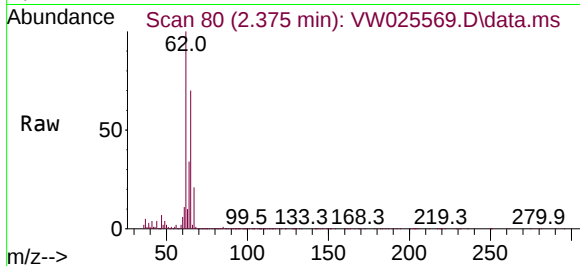




#5
 Vinyl chloride
 Concen: 22.518 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW025569.D
 Acq: 10 Apr 2023 12:10

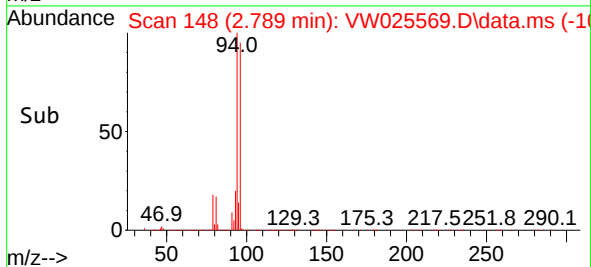
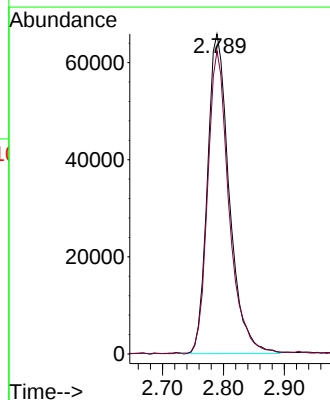
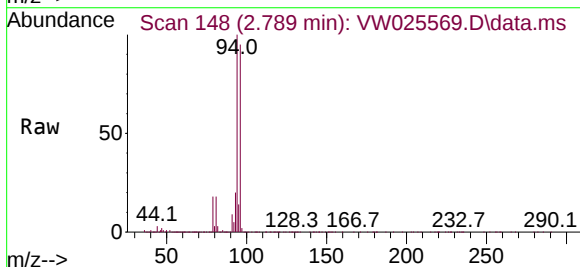
Instrument :
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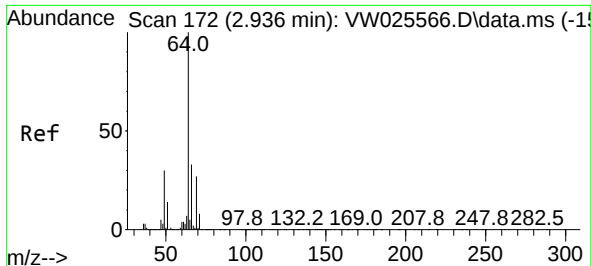
Tgt Ion: 62 Resp: 304449
 Ion Ratio Lower Upper
 62 100
 64 34.3 23.9 44.3



#6
 Bromomethane
 Concen: 22.556 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.006 min
 Lab File: VW025569.D
 Acq: 10 Apr 2023 12:10

Tgt Ion: 94 Resp: 164052
 Ion Ratio Lower Upper
 94 100
 96 94.7 64.0 118.8

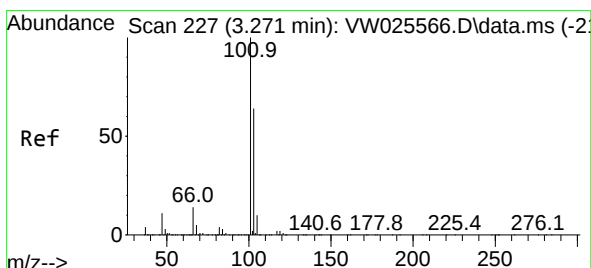
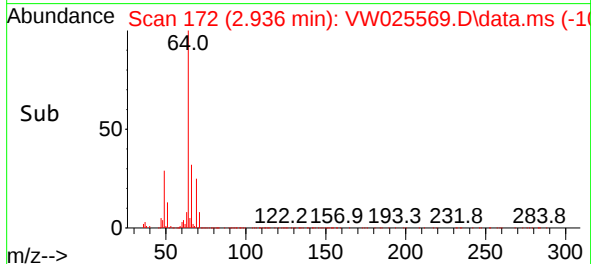
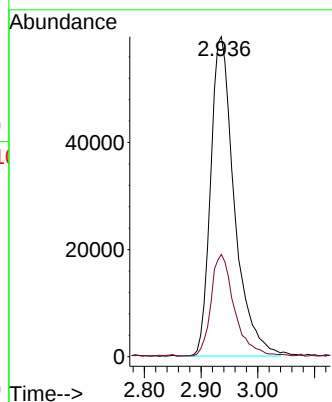
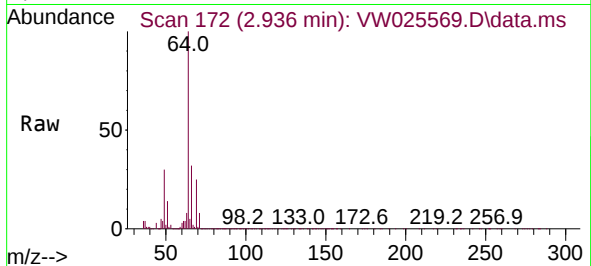




#8
Chloroethane
Concen: 22.892 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

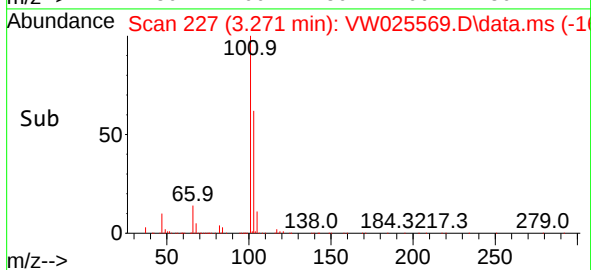
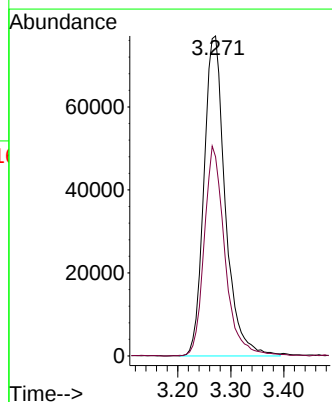
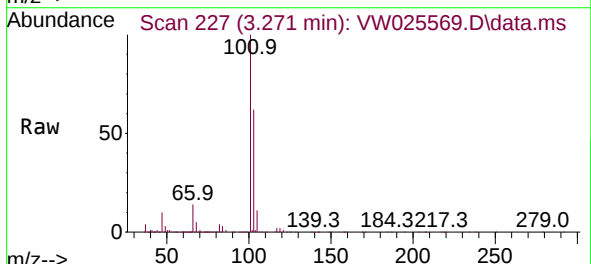
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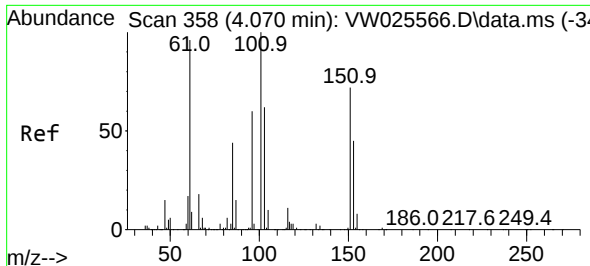
Tgt Ion: 64 Resp: 173344
Ion Ratio Lower Upper
64 100
66 31.9 22.9 42.5



#9
Trichlorofluoromethane
Concen: 20.670 ug/L
RT: 3.271 min Scan# 227
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion:101 Resp: 215295
Ion Ratio Lower Upper
101 100
103 63.6 52.3 78.5

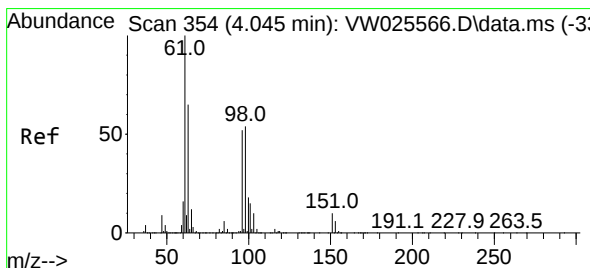
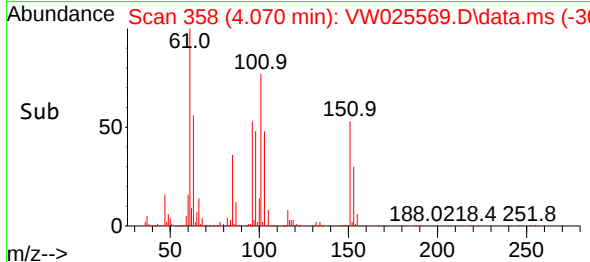
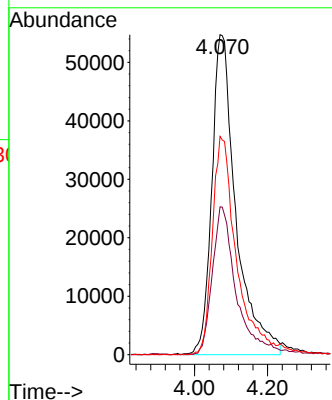
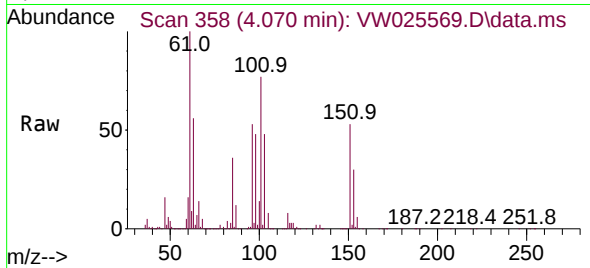




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.097 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. -0.000 min
 Lab File: VW025569.D
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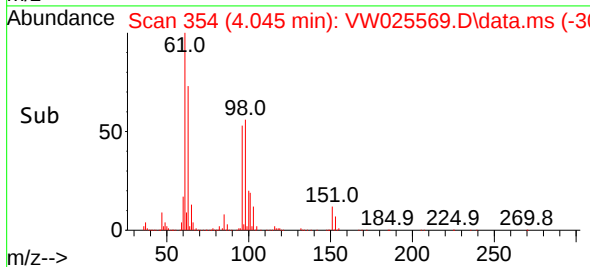
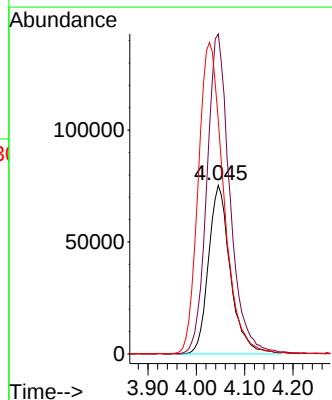
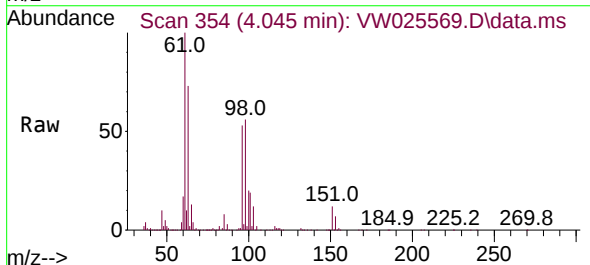
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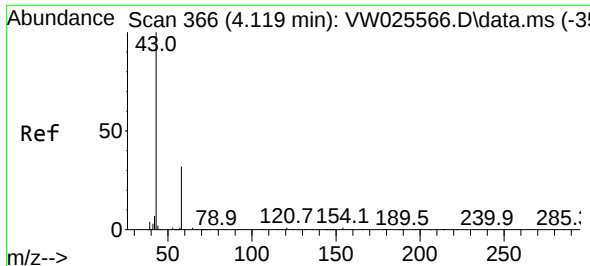
Tgt Ion:101 Resp: 251876
 Ion Ratio Lower Upper
 101 100
 85 44.1 34.5 51.7
 151 67.3 54.8 82.2



#12
 1,1-Dichloroethene
 Concen: 22.644 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW025569.D
 Acq: 10 Apr 2023 12:10

Tgt Ion: 96 Resp: 236917
 Ion Ratio Lower Upper
 96 100
 61 189.7 132.7 246.4
 63 138.8 105.0 195.0

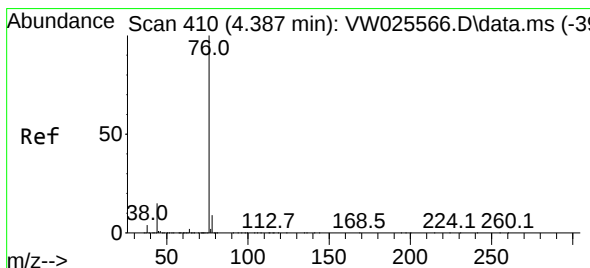
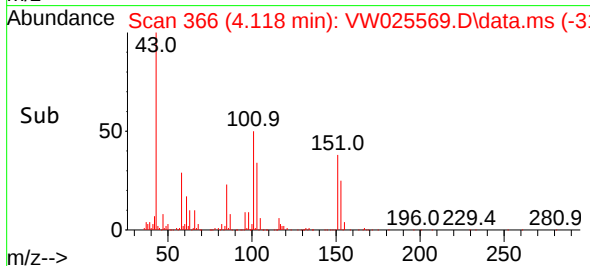
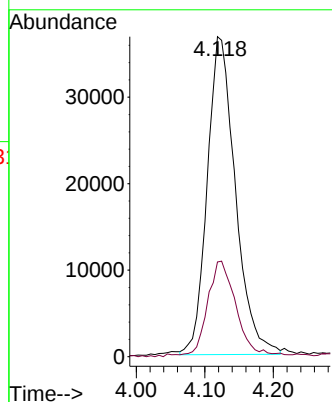
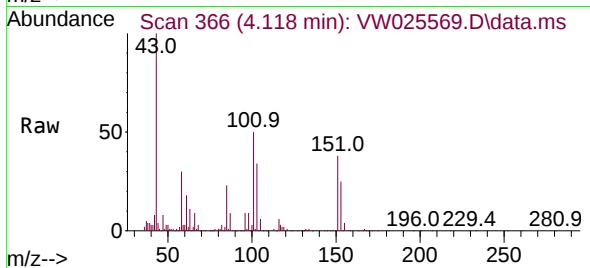




#13
Acetone
Concen: 45.380 ug/L
RT: 4.118 min Scan# 30
Delta R.T. -0.000 min
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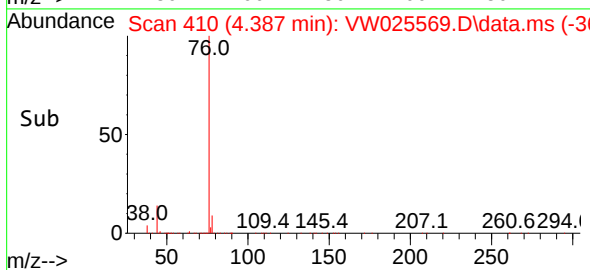
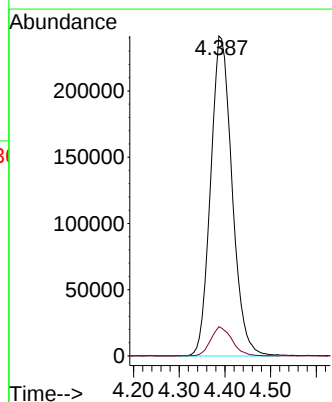
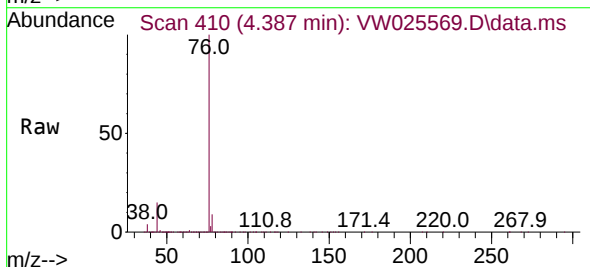
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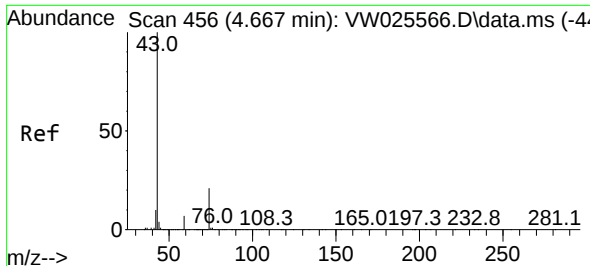
Tgt Ion: 43 Resp: 105107
Ion Ratio Lower Upper
43 100
58 28.7 0.0 57.4



#14
Carbon disulfide
Concen: 21.333 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 787459
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

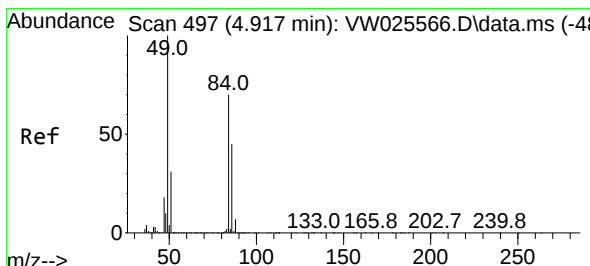
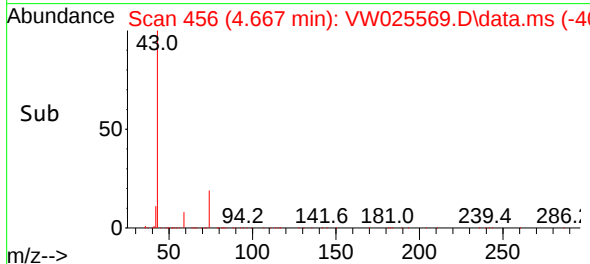
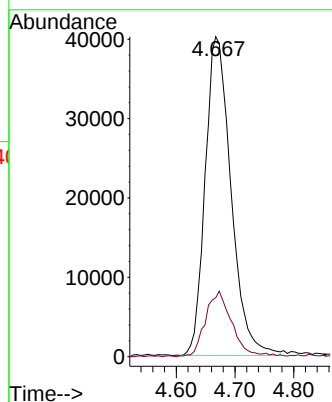
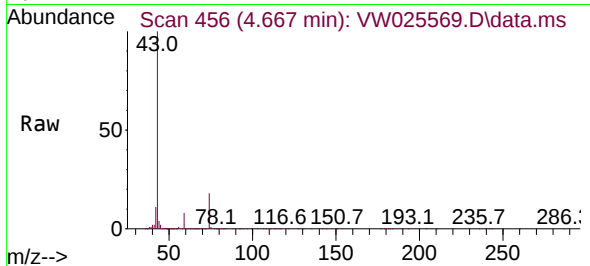




#15
Methyl Acetate
Concen: 23.581 ug/L
RT: 4.667 min Scan# 456
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

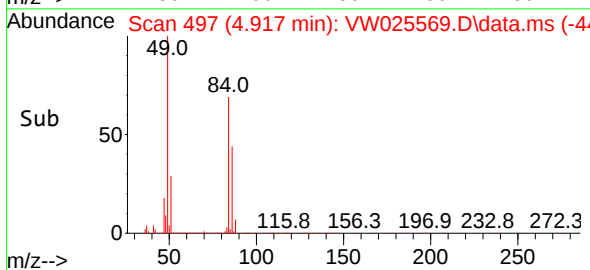
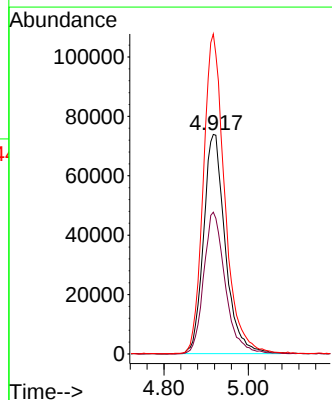
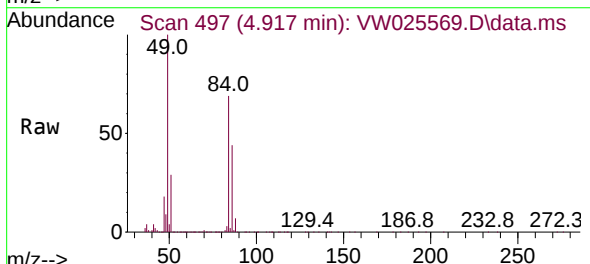
Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

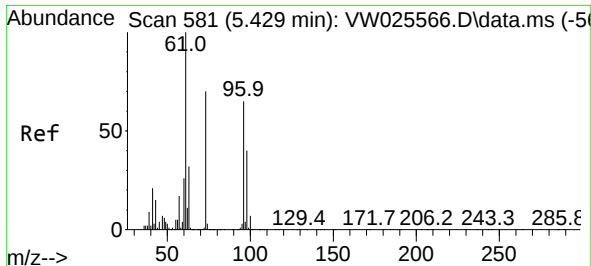
Tgt Ion: 43 Resp: 122708
Ion Ratio Lower Upper
43 100
74 20.6 17.0 25.4



#16
Methylene chloride
Concen: 22.052 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion: 84 Resp: 264239
Ion Ratio Lower Upper
84 100
86 64.6 44.9 83.3
49 145.8 101.4 188.4

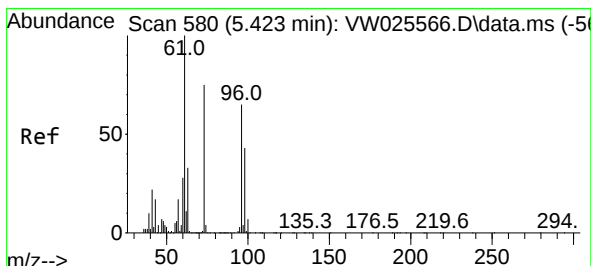
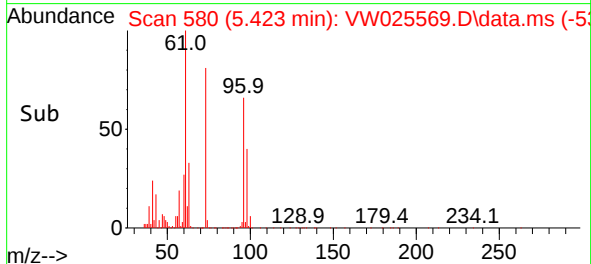
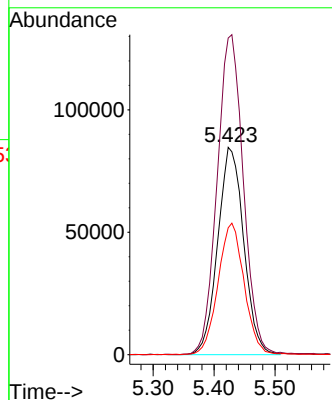
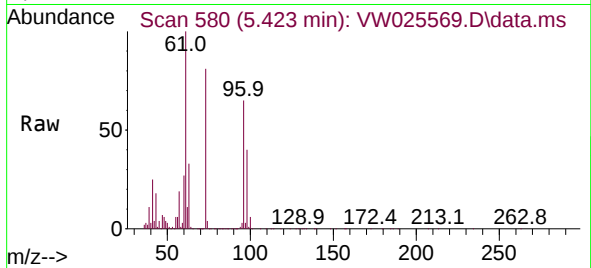




#17
trans-1,2-Dichloroethene
Concen: 22.589 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

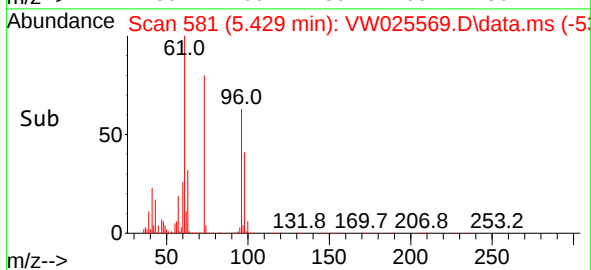
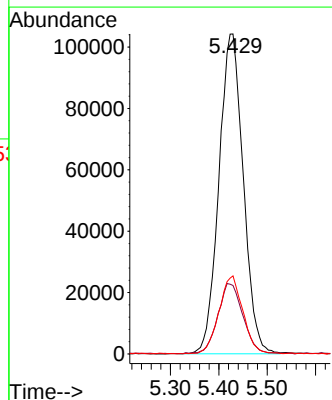
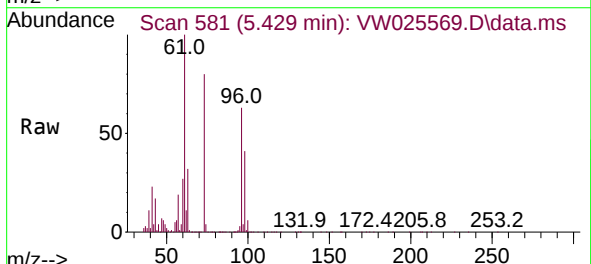
Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

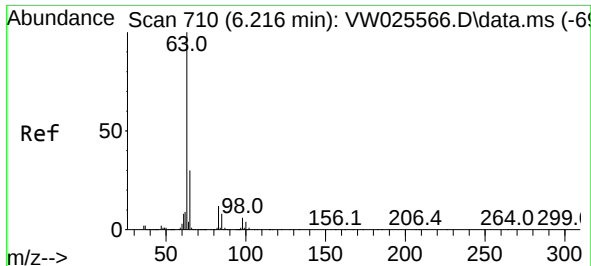
Tgt Ion: 96 Resp: 251262
Ion Ratio Lower Upper
96 100
61 152.7 113.3 210.3
98 61.2 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 23.723 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion: 73 Resp: 364171
Ion Ratio Lower Upper
73 100
43 22.1 17.8 26.6
57 23.5 19.0 28.6





#19

1,1-Dichloroethane

Concen: 23.317 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025568

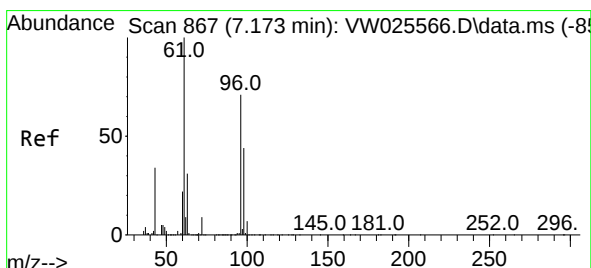
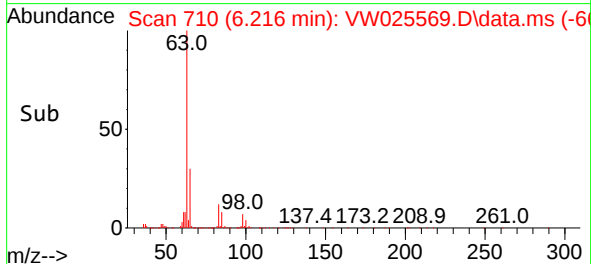
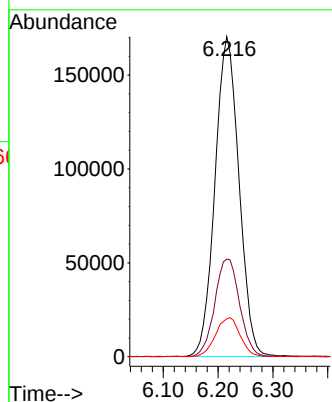
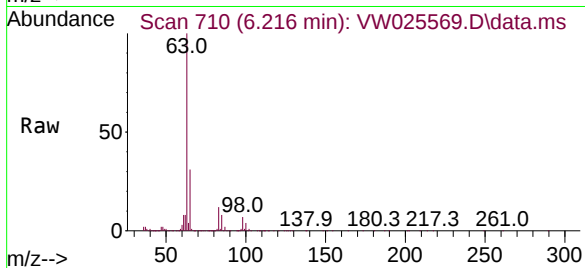
Tgt Ion: 63 Resp: 518206

Ion Ratio Lower Upper

63 100

65 30.5 21.9 40.7

83 11.9 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 23.227 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

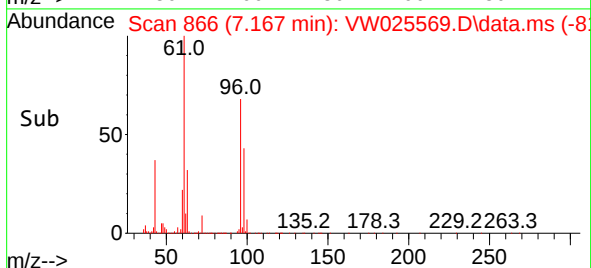
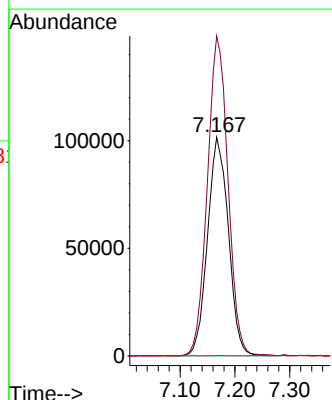
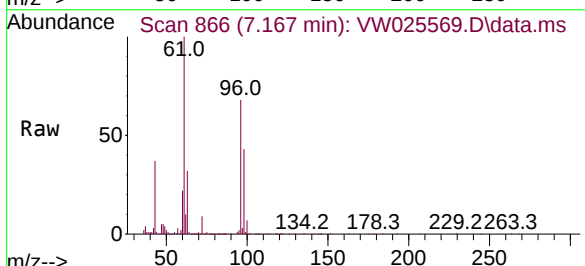
Tgt Ion: 96 Resp: 268812

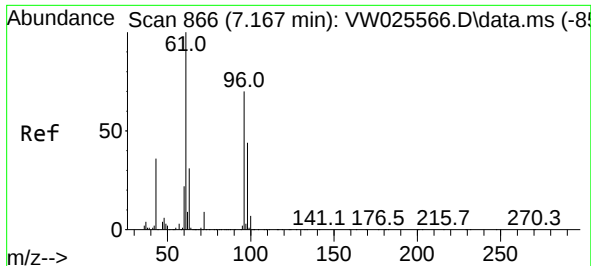
Ion Ratio Lower Upper

96 100

61 146.3 102.6 190.6

68 0.1 0.1 0.1

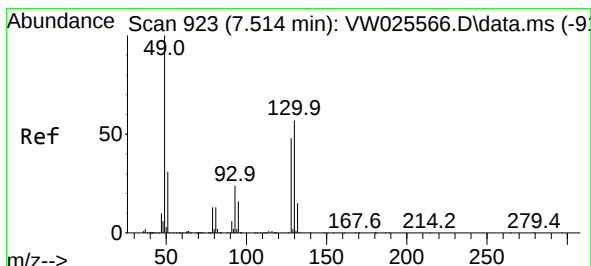
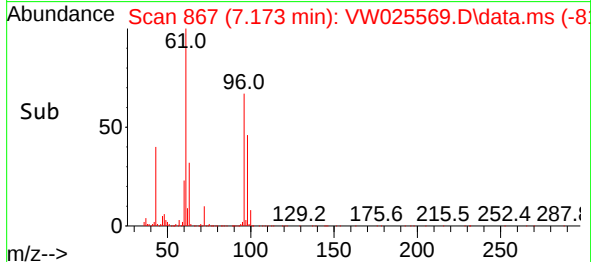
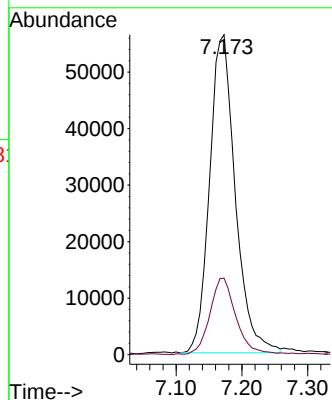
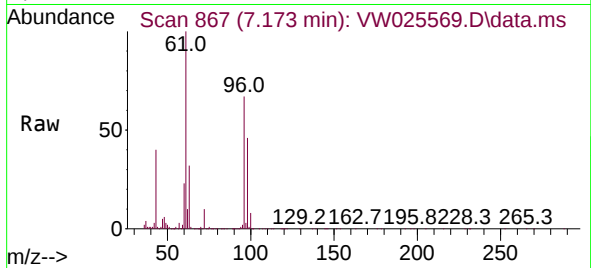




#22
2-Butanone
Concen: 46.563 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

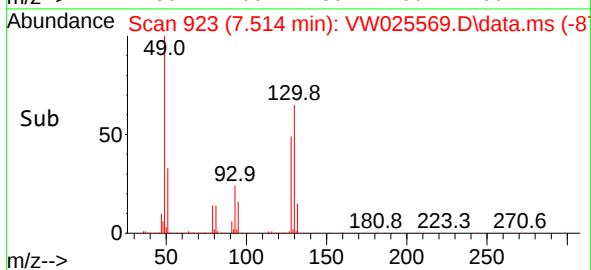
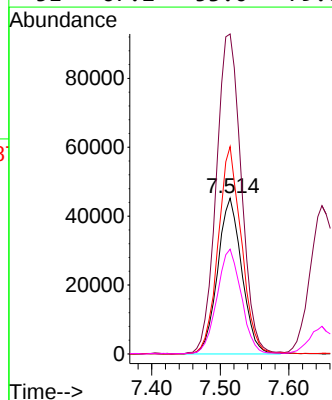
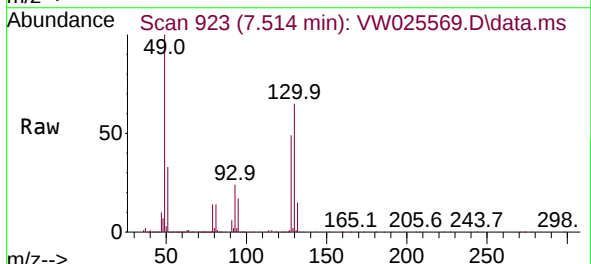
Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

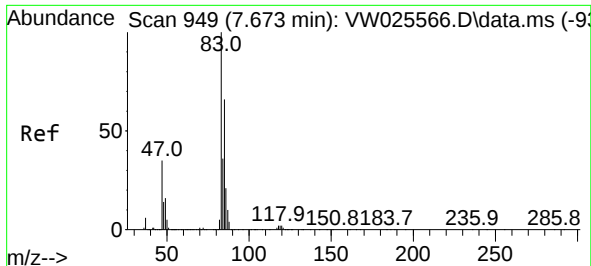
Tgt Ion: 43 Resp: 153317
Ion Ratio Lower Upper
43 100
72 24.1 12.0 36.0



#23
Bromochloromethane
Concen: 23.216 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion: 128 Resp: 110185
Ion Ratio Lower Upper
128 100
49 205.3 141.7 263.3
130 133.1 86.7 160.9
51 67.2 53.0 79.6

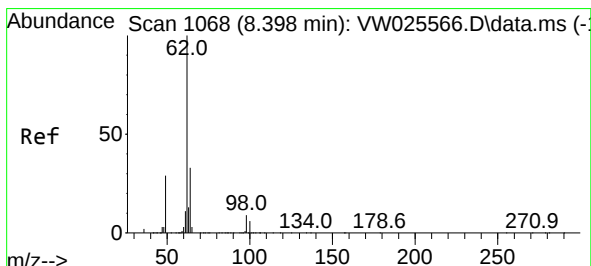
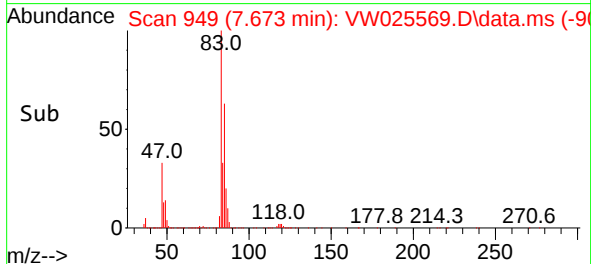
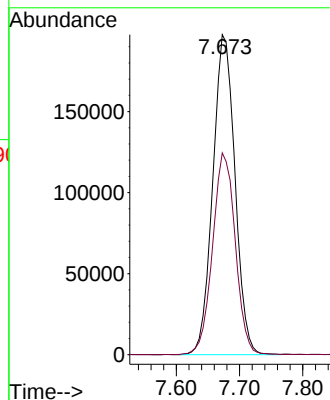
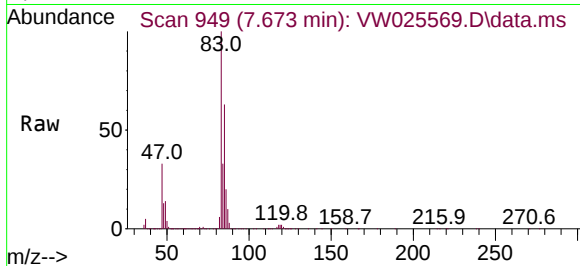




#25
Chloroform
Concen: 23.630 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

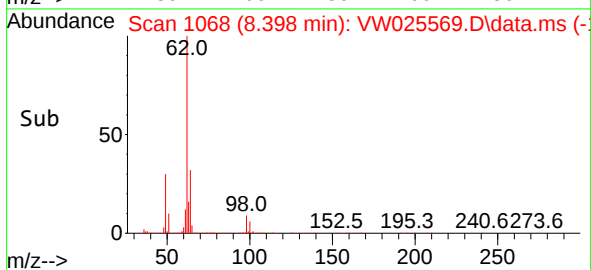
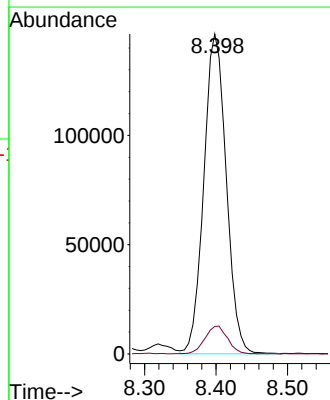
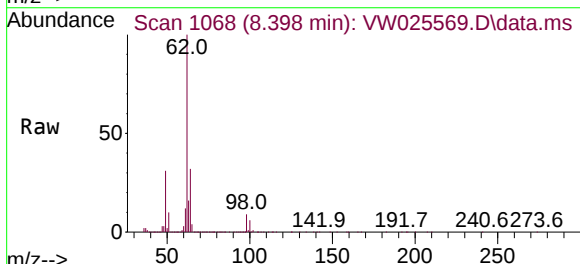
Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

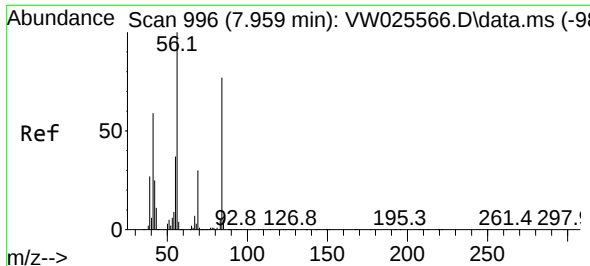
Tgt Ion: 83 Resp: 480239
Ion Ratio Lower Upper
83 100
85 63.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 23.399 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion: 62 Resp: 319117
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0





#29

Cyclohexane

Concen: 23.315 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.006 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025568

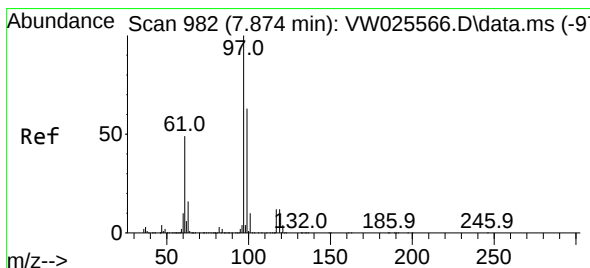
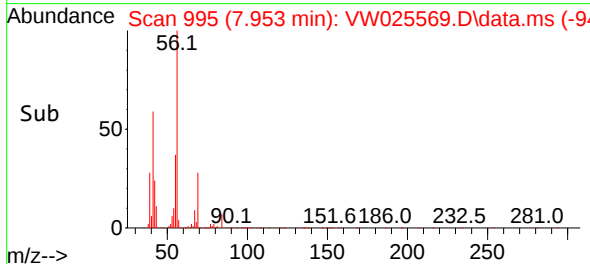
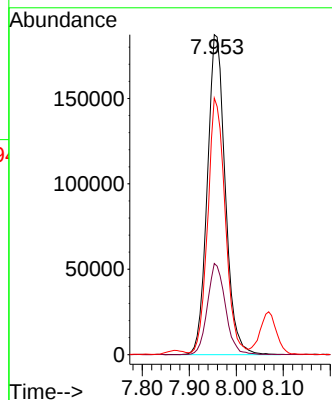
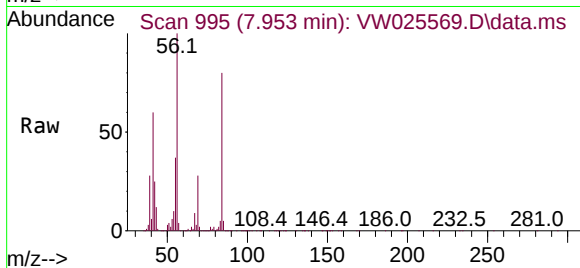
Tgt Ion: 56 Resp: 496650

Ion Ratio Lower Upper

56 100

69 28.6 22.7 34.1

84 78.2 62.5 93.7



#30

1,1,1-Trichloroethane

Concen: 23.322 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

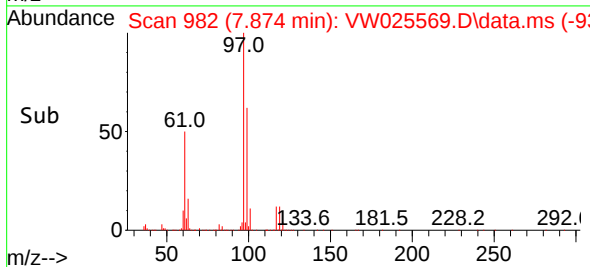
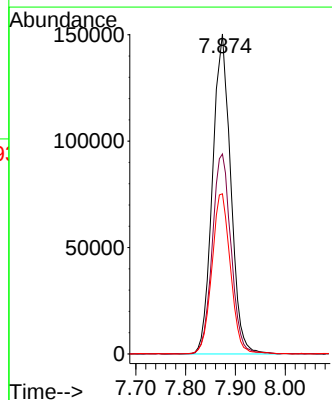
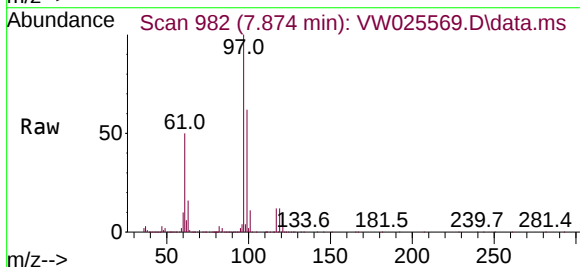
Tgt Ion: 97 Resp: 381390

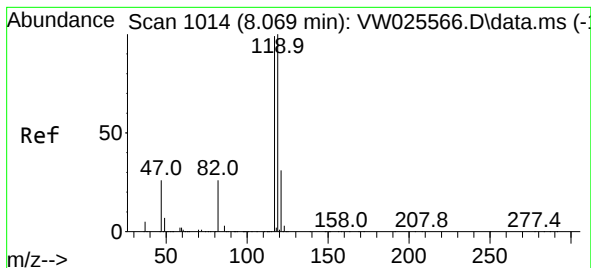
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.6

61 51.3 40.5 60.7

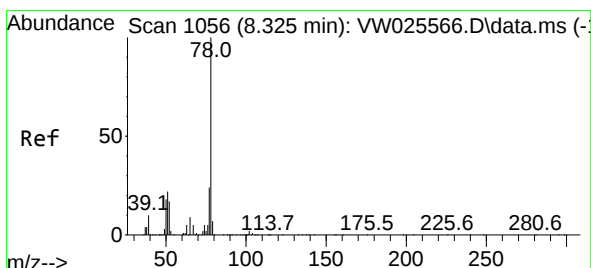
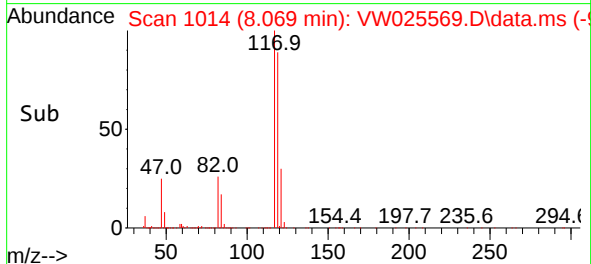
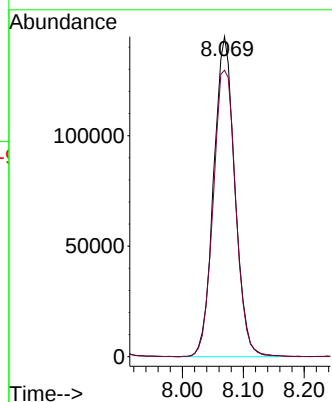
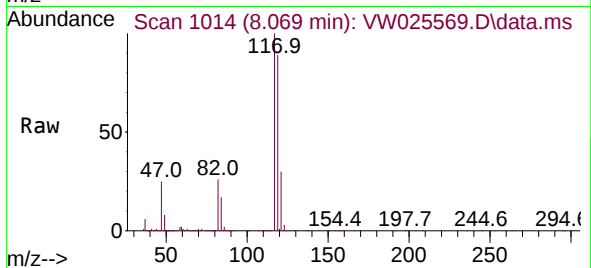




#31
Carbon tetrachloride
Concen: 23.705 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

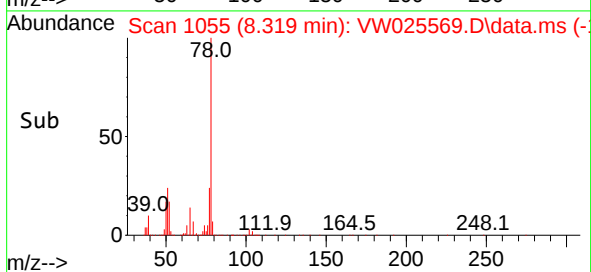
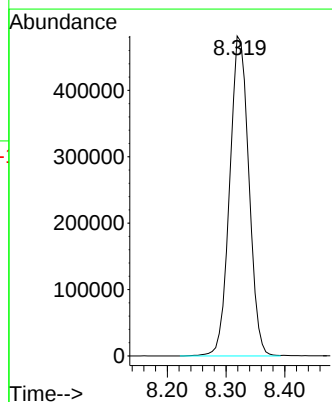
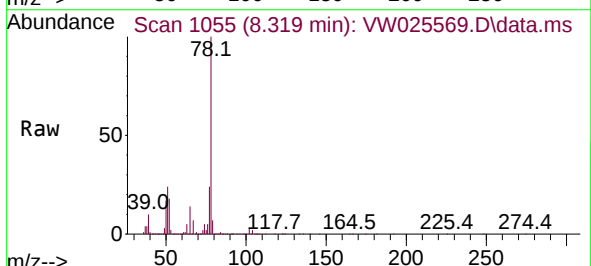
Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

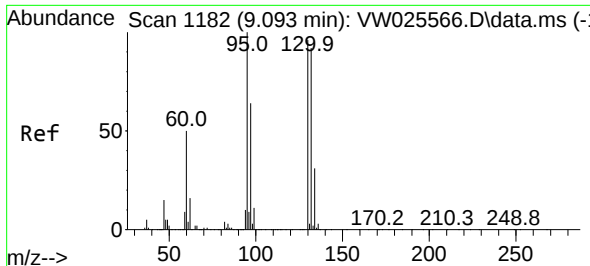
Tgt Ion:117 Resp: 350078
Ion Ratio Lower Upper
117 100
119 95.2 75.7 113.5



#33
Benzene
Concen: 23.853 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion: 78 Resp: 1092710



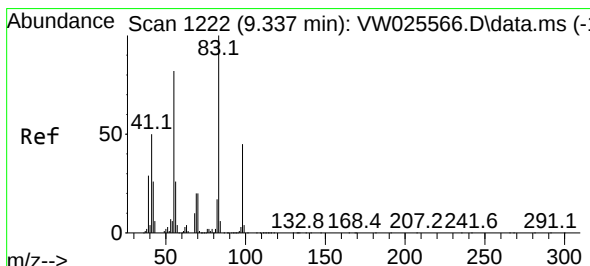
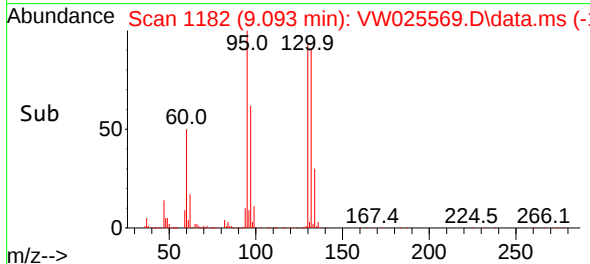
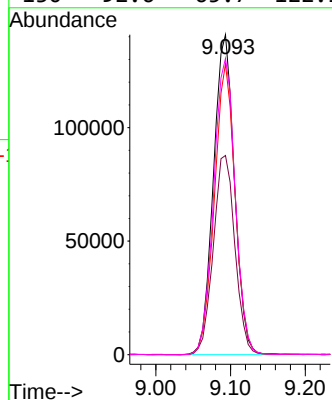
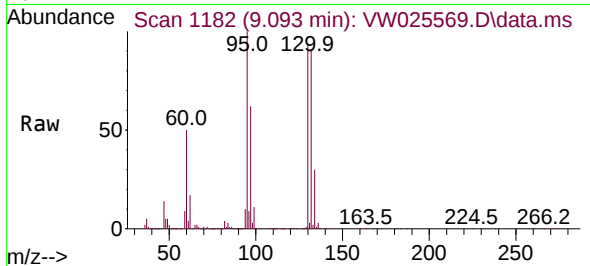


#34
Trichloroethene
Concen: 23.092 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

Tgt Ion: 95 Resp: 275160

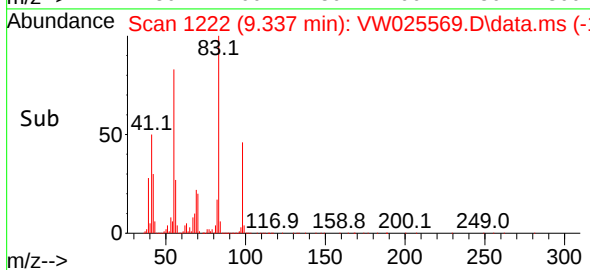
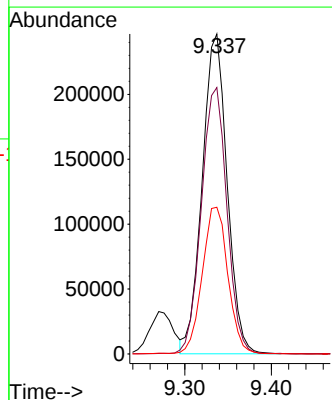
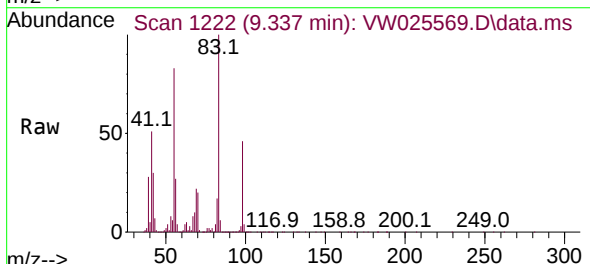
Ion	Ratio	Lower	Upper
95	100		
97	62.2	42.5	78.9
132	90.9	59.8	111.1
130	92.6	65.7	122.1

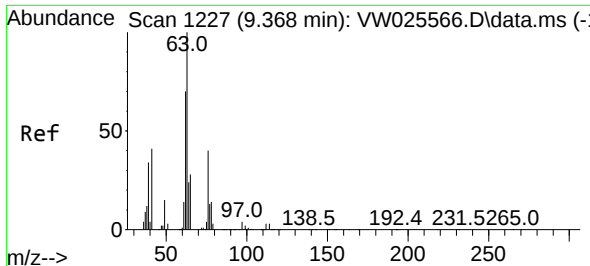


#35
Methylcyclohexane
Concen: 22.923 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion: 83 Resp: 493216

Ion	Ratio	Lower	Upper
83	100		
55	85.4	68.7	103.1
98	47.3	37.7	56.5





#37

1,2-Dichloropropane

Concen: 24.141 ug/L

RT: 9.368 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

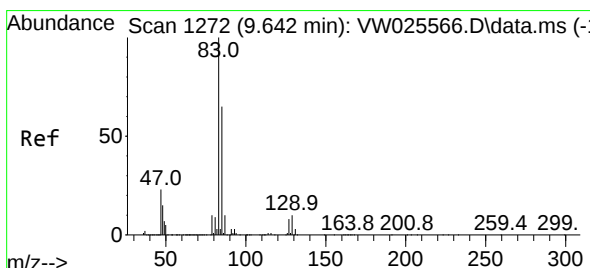
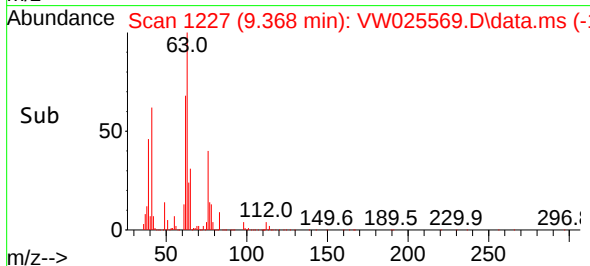
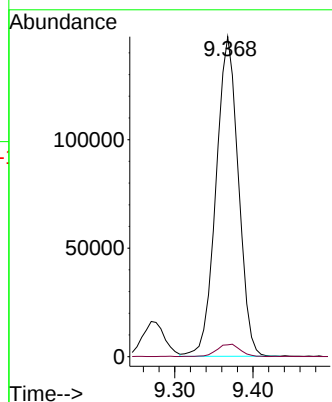
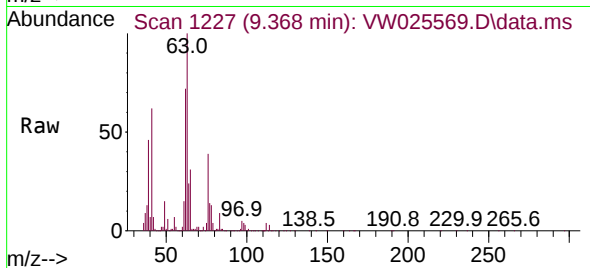
VSTD025568

Tgt Ion: 63 Resp: 292068

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.0



#38

Bromodichloromethane

Concen: 23.942 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

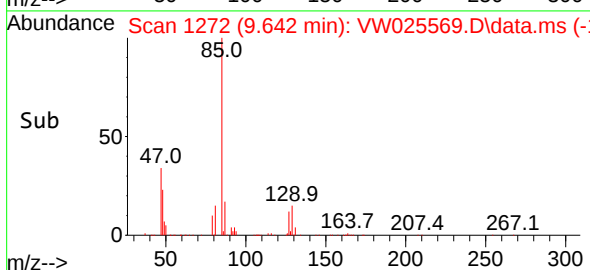
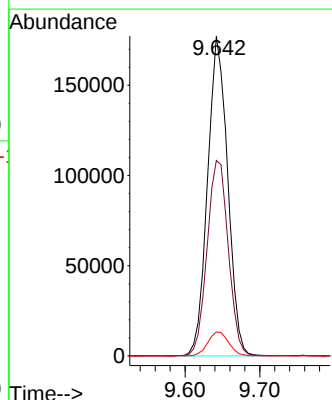
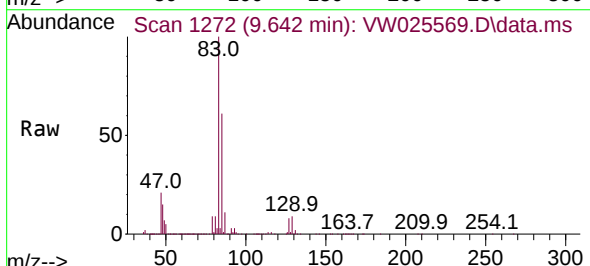
Tgt Ion: 83 Resp: 331424

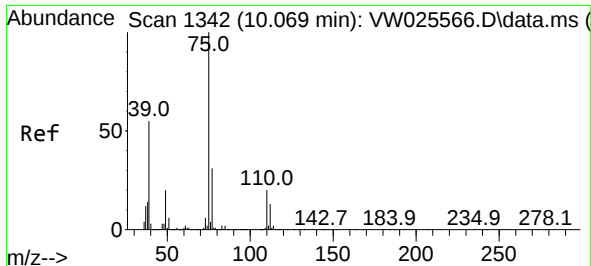
Ion Ratio Lower Upper

83 100

85 61.1 43.5 80.7

127 7.5 5.8 8.8

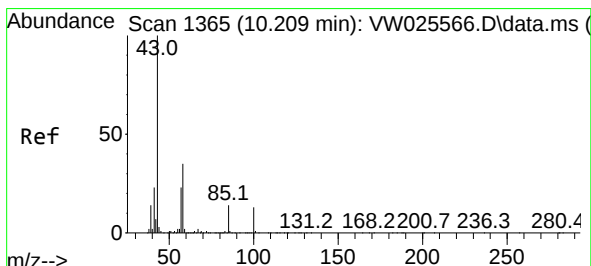
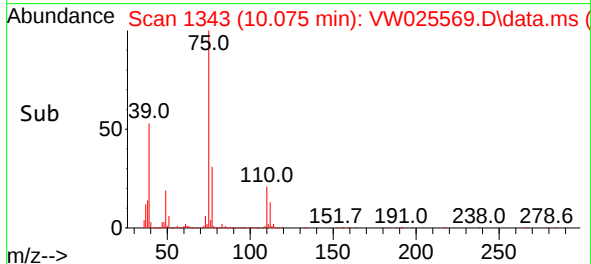
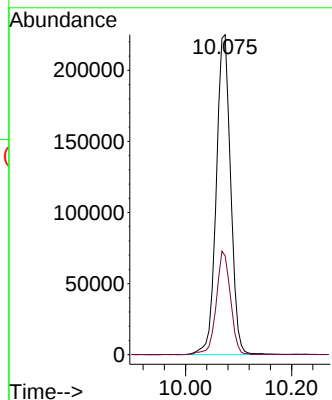
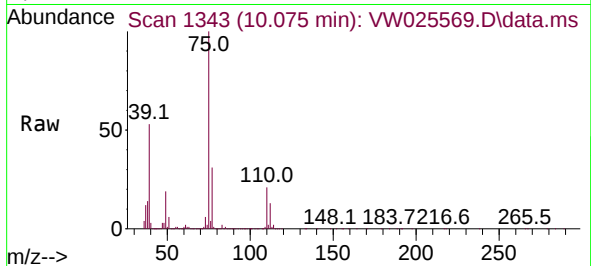




#39
 cis-1,3-Dichloropropene
 Concen: 24.417 ug/L
 RT: 10.075 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VW025569.D
 Acq: 10 Apr 2023 12:10

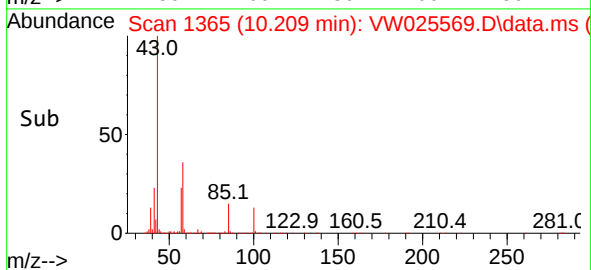
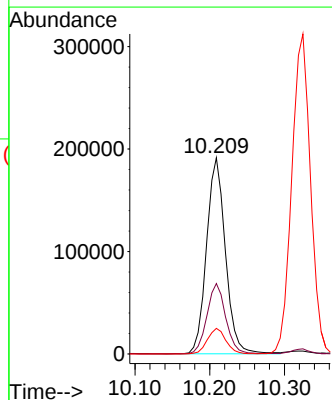
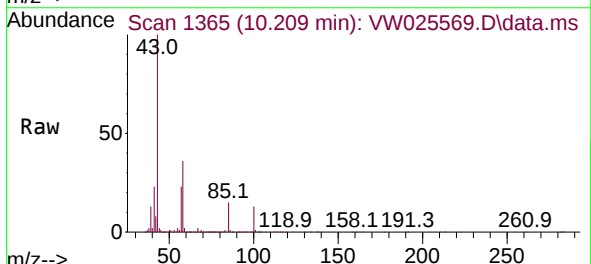
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025568

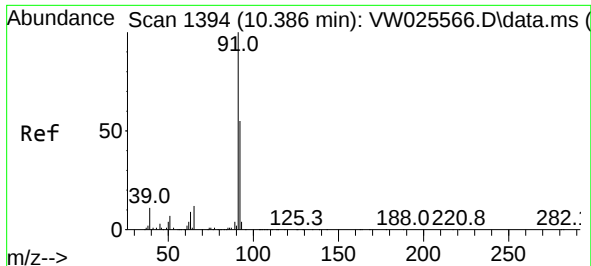
Tgt Ion: 75 Resp: 423746
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 49.029 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. -0.000 min
 Lab File: VW025569.D
 Acq: 10 Apr 2023 12:10

Tgt Ion: 43 Resp: 335749
 Ion Ratio Lower Upper
 43 100
 58 35.6 29.2 43.8
 100 12.9 10.2 15.4

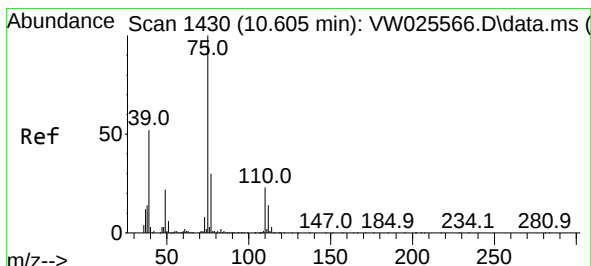
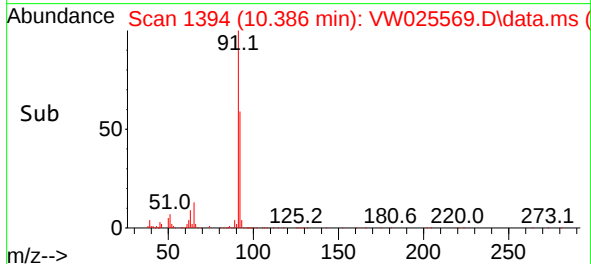
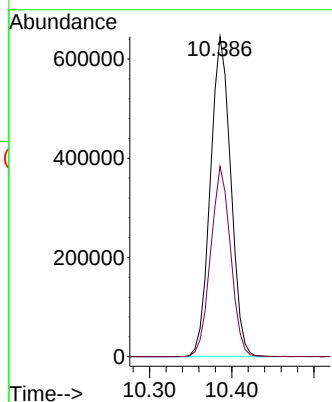
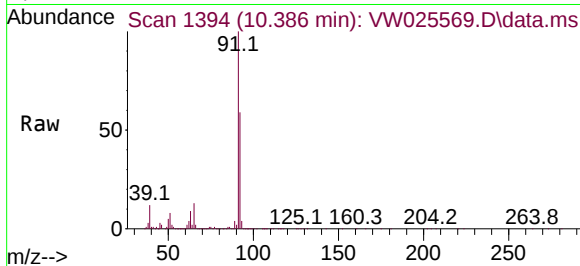




#42
Toluene
Concen: 23.886 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

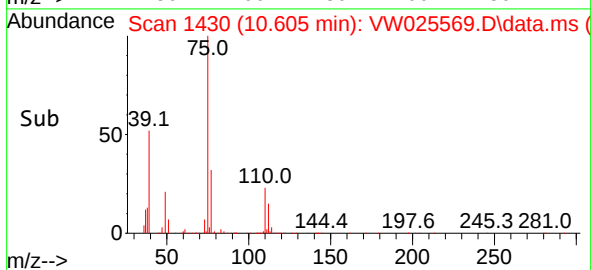
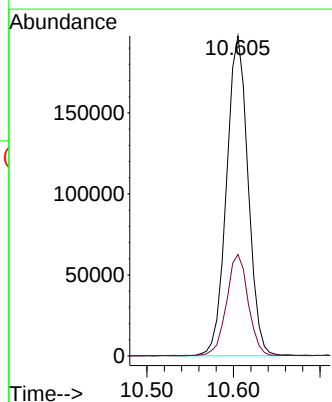
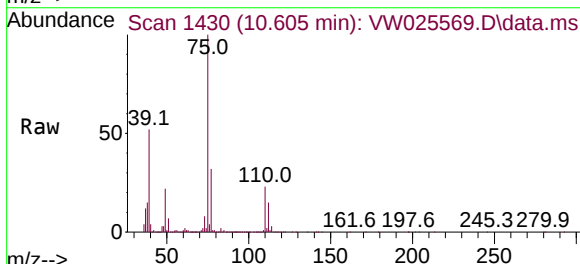
Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

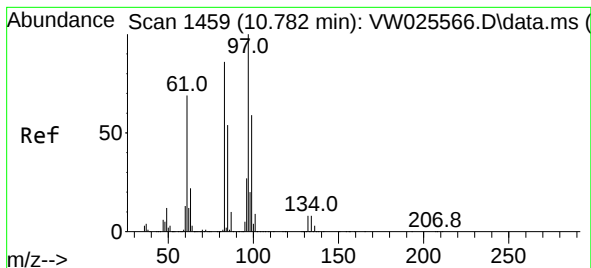
Tgt Ion: 91 Resp: 1114226
Ion Ratio Lower Upper
91 100
92 59.4 41.1 76.3



#44
trans-1,3-Dichloropropene
Concen: 23.848 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion: 75 Resp: 341278
Ion Ratio Lower Upper
75 100
77 31.7 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 24.195 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025568

Tgt Ion: 97 Resp: 186647

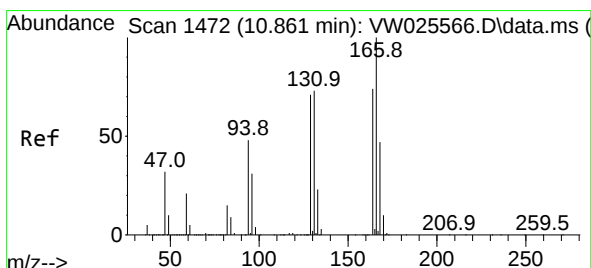
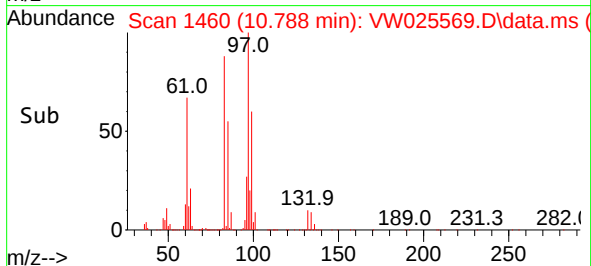
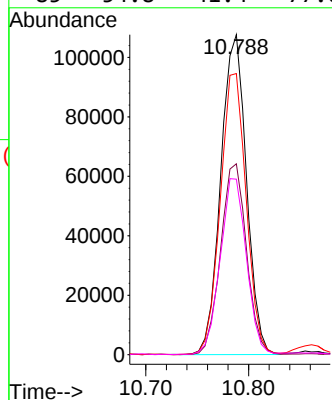
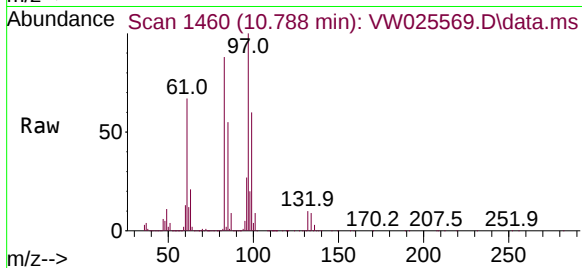
Ion Ratio Lower Upper

97 100

99 59.6 43.8 81.3

83 87.9 61.8 114.8

85 54.8 41.4 77.0



#46

Tetrachloroethene

Concen: 22.930 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Tgt Ion:164 Resp: 192167

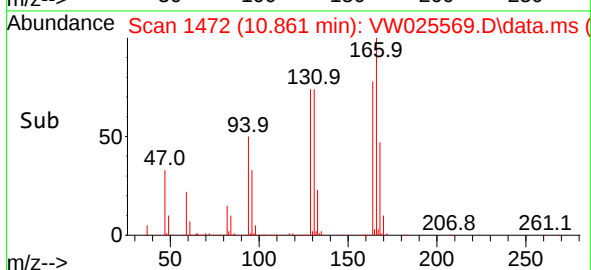
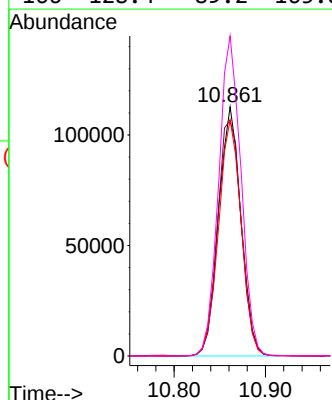
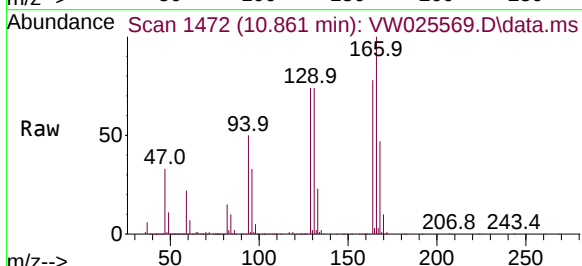
Ion Ratio Lower Upper

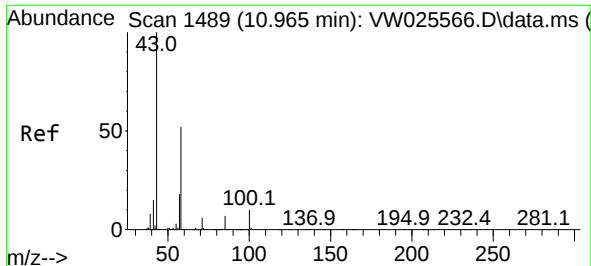
164 100

129 94.5 76.9 142.9

131 94.8 70.5 130.9

166 128.4 89.2 165.8



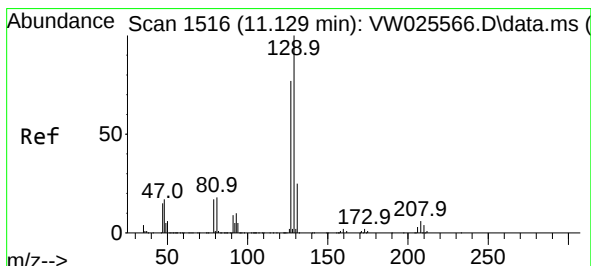
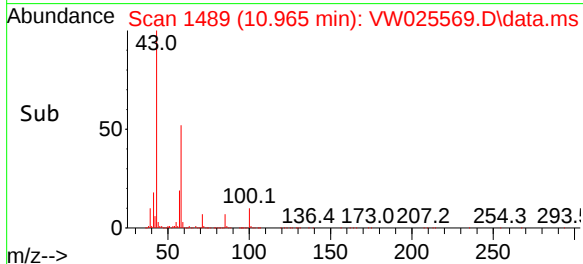
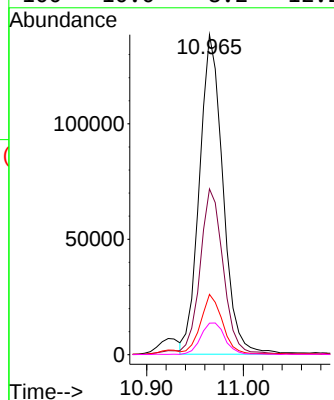
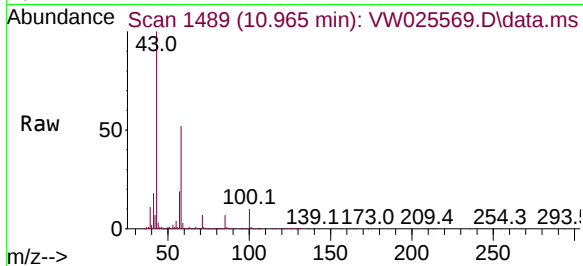


#48
2-Hexanone
Concen: 49.454 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

Tgt Ion: 43 Resp: 233992

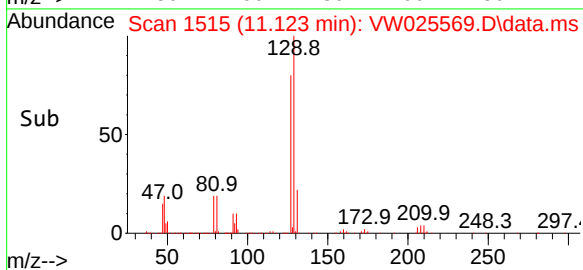
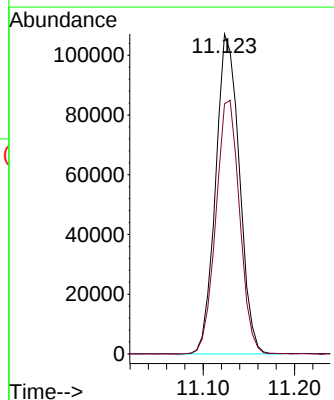
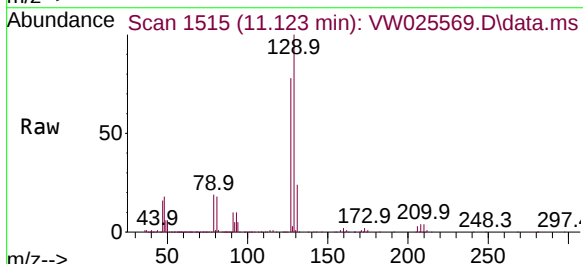
Ion	Ratio	Lower	Upper
43	100		
58	51.3	38.6	57.8
57	17.9	13.9	20.9
100	10.0	8.2	12.2

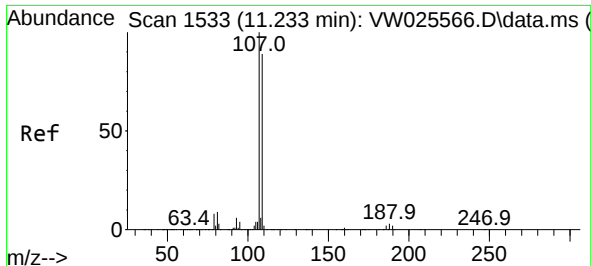


#49
Dibromochloromethane
Concen: 23.799 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion: 129 Resp: 193296

Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.0	100.2





#50

1,2-Dibromoethane

Concen: 23.555 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025568

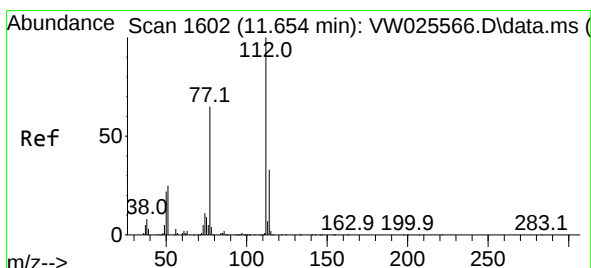
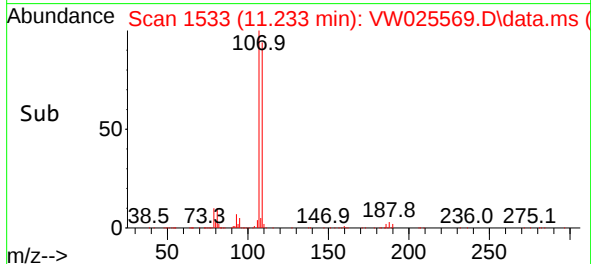
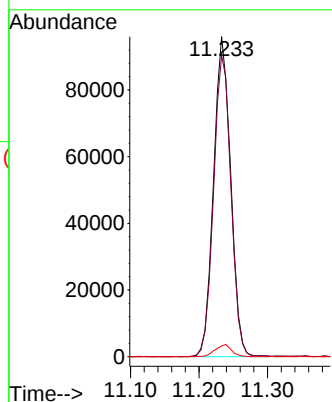
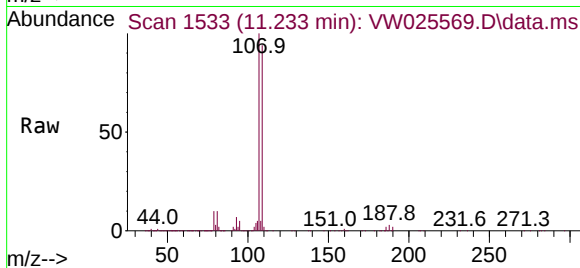
Tgt Ion:107 Resp: 166957

Ion Ratio Lower Upper

107 100

109 94.1 64.1 119.1

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 23.608 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

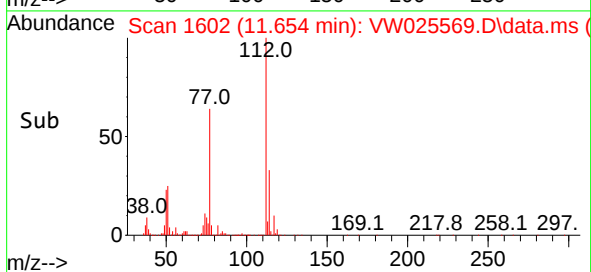
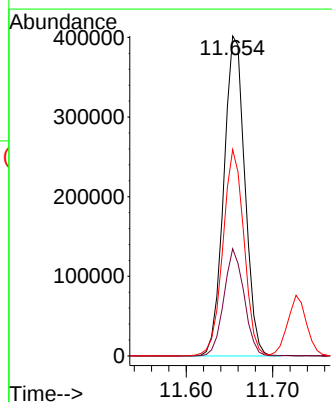
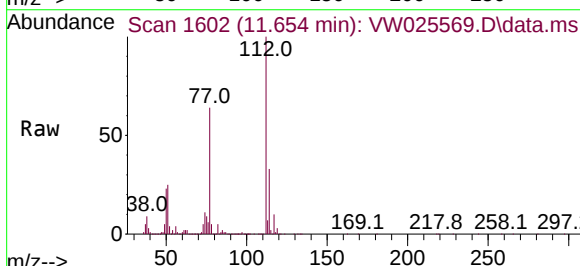
Tgt Ion:112 Resp: 678601

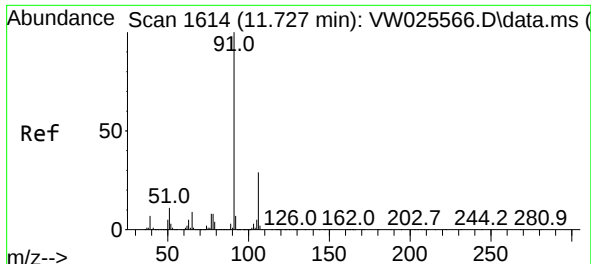
Ion Ratio Lower Upper

112 100

114 33.5 21.6 40.2

77 64.5 50.2 75.2

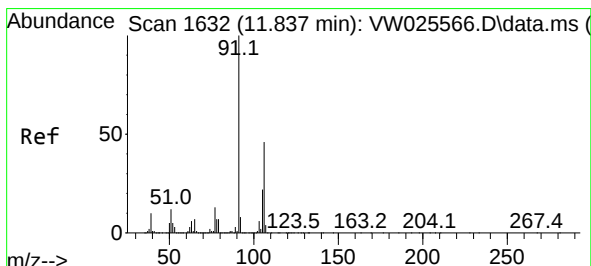
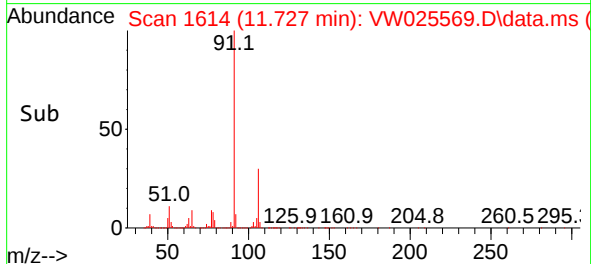
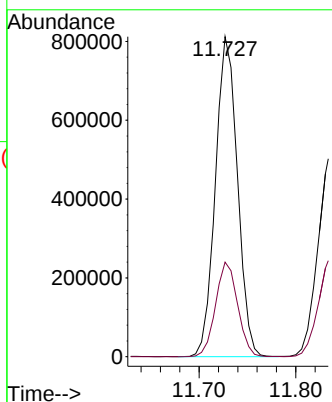
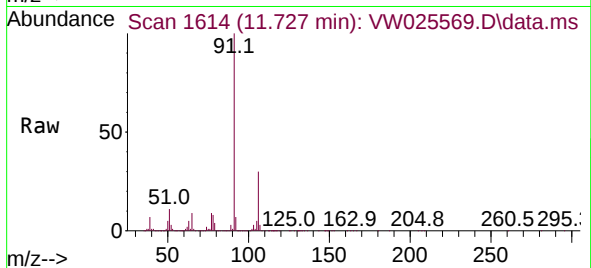




#52
Ethylbenzene
Concen: 24.346 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

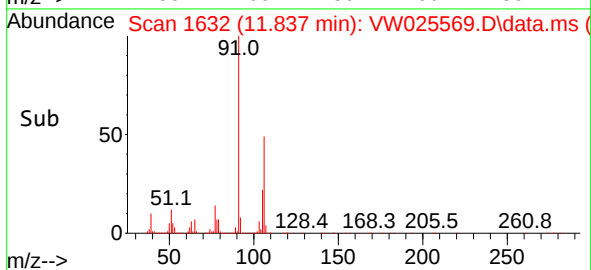
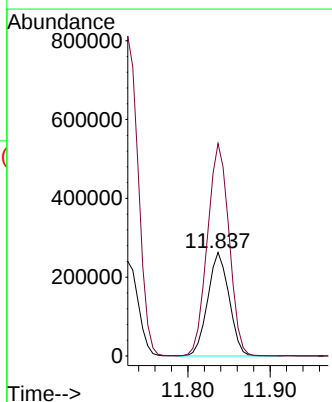
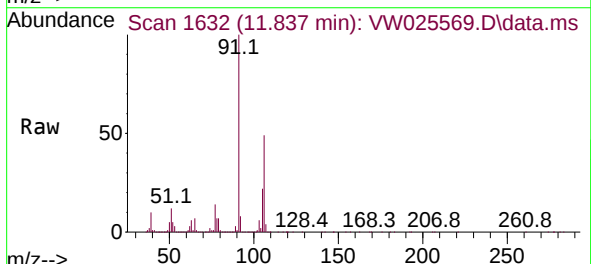
Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

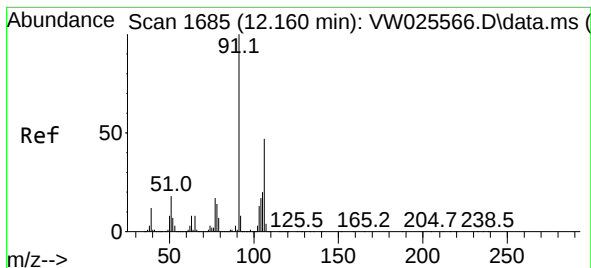
Tgt Ion: 91 Resp: 1285130
Ion Ratio Lower Upper
91 100
106 29.6 20.3 37.7



#53
m,p-Xylene
Concen: 24.457 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion: 106 Resp: 473441
Ion Ratio Lower Upper
106 100
91 205.4 148.0 274.8





#54

o-Xylene

Concen: 24.768 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

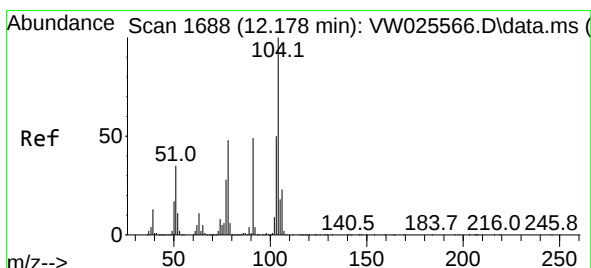
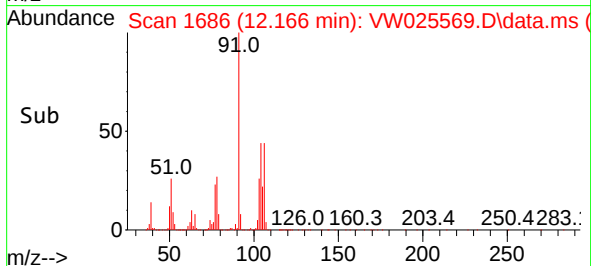
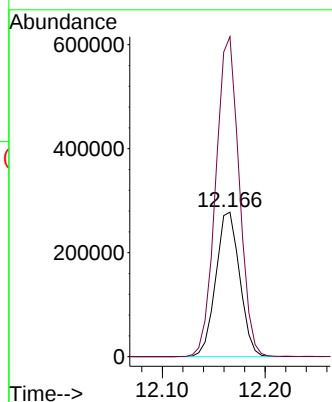
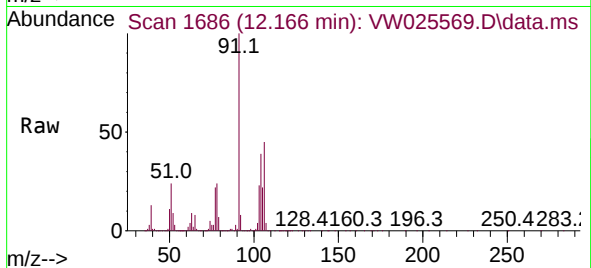
VSTD025568

Tgt Ion:106 Resp: 448551

Ion Ratio Lower Upper

106 100

91 221.5 158.2 293.8



#55

Styrene

Concen: 24.992 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW025569.D

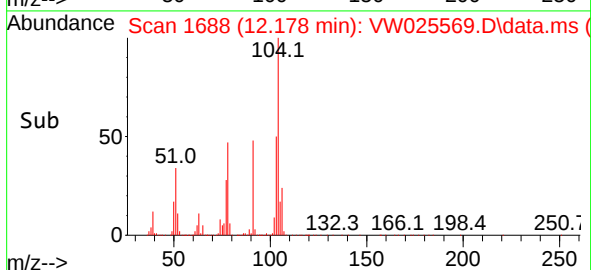
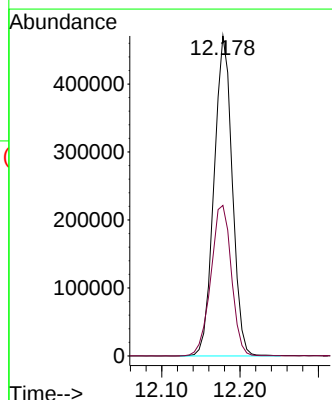
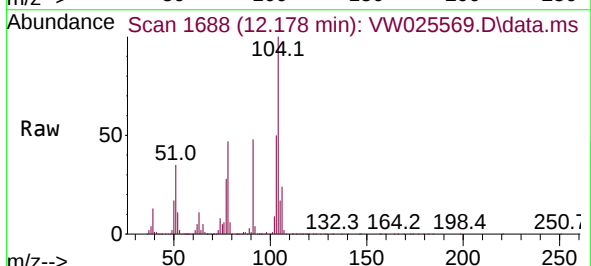
Acq: 10 Apr 2023 12:10

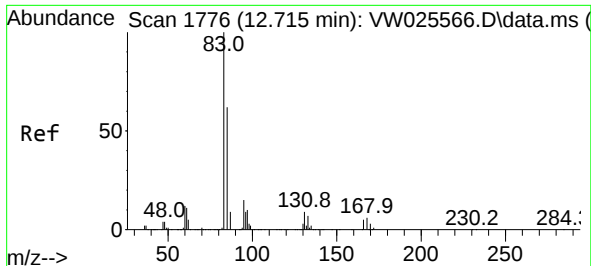
Tgt Ion:104 Resp: 761794

Ion Ratio Lower Upper

104 100

78 47.1 33.3 61.9





#57

1,1,2-Tetrachloroethane

Concen: 23.798 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025568

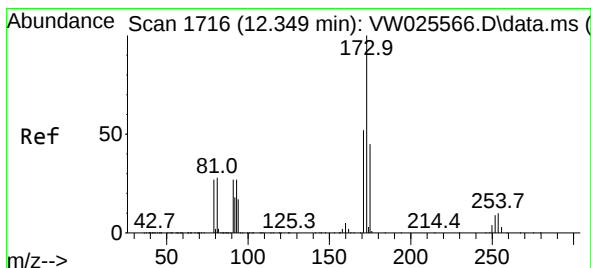
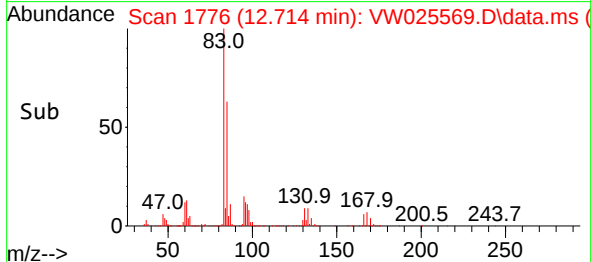
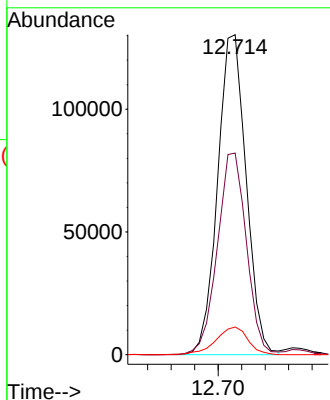
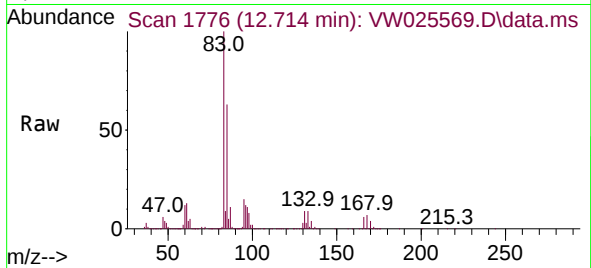
Tgt Ion: 83 Resp: 219898

Ion Ratio Lower Upper

83 100

85 63.0 43.5 80.7

131 8.7 7.0 10.4



#59

Bromoform

Concen: 24.157 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

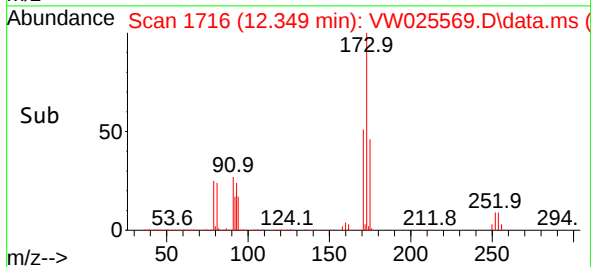
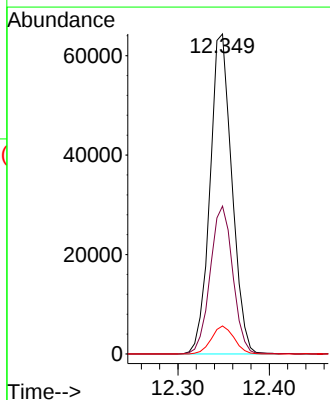
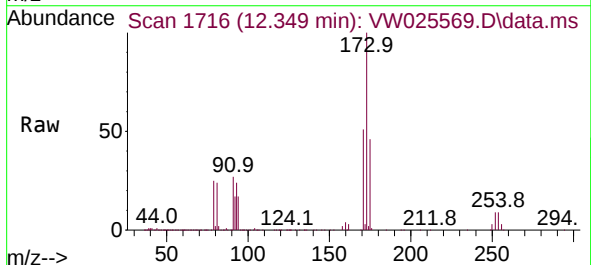
Tgt Ion: 173 Resp: 107282

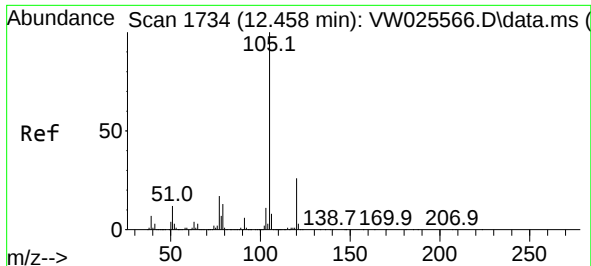
Ion Ratio Lower Upper

173 100

175 47.4 36.1 54.1

254 9.0 7.0 10.6

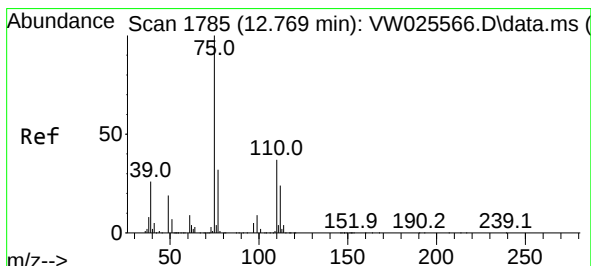
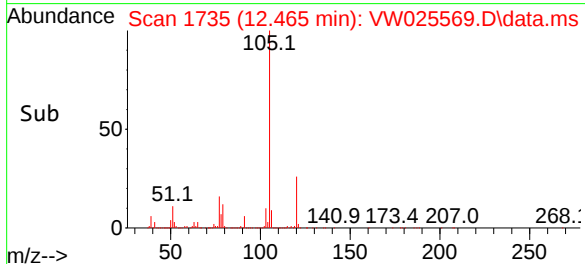
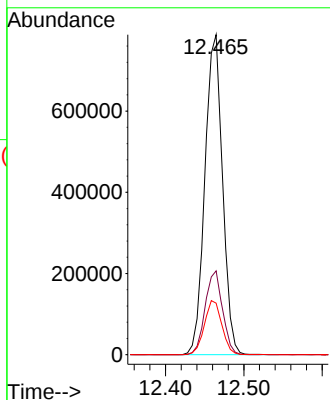
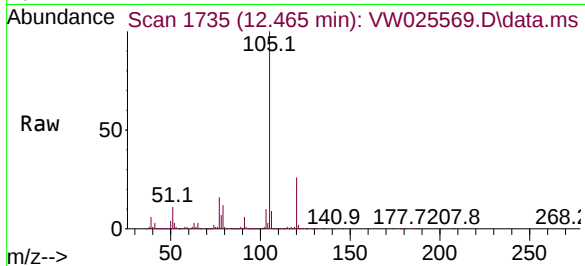




#60
Isopropylbenzene
Concen: 24.187 ug/L
RT: 12.465 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

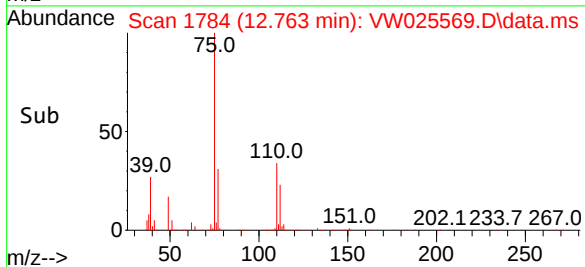
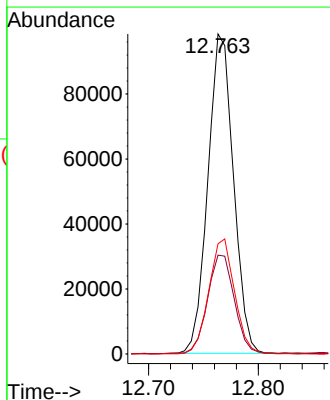
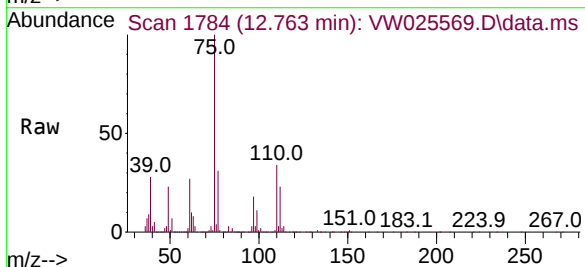
Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

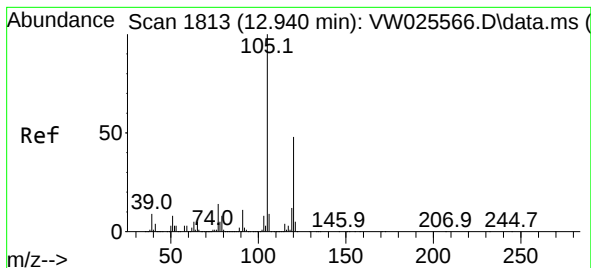
Tgt Ion:105 Resp: 1227928
Ion Ratio Lower Upper
105 100
120 25.8 20.1 30.1
77 16.8 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 23.739 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion: 75 Resp: 159456
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2
110 36.3 29.0 43.6





#62

1,3,5-Trimethylbenzene

Concen: 25.087 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

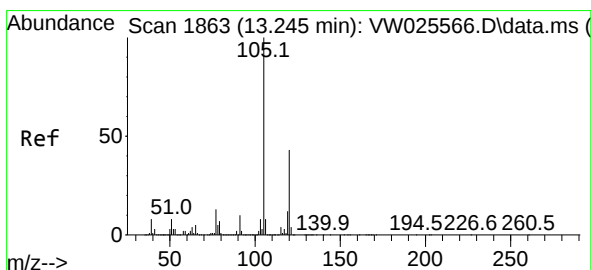
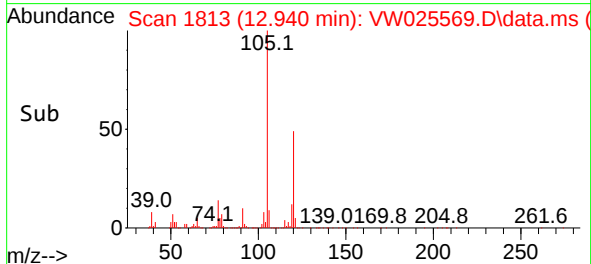
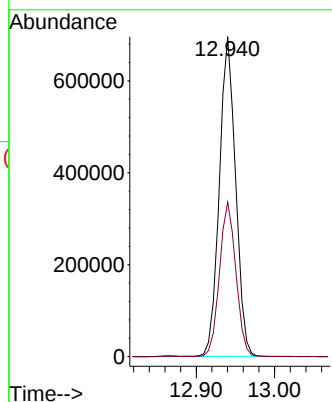
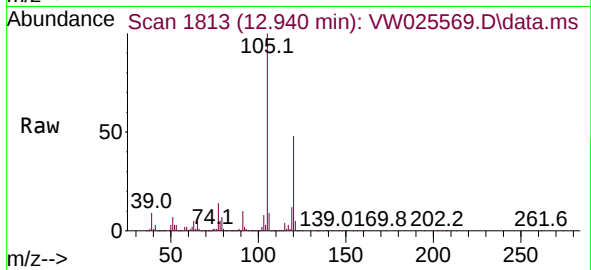
VSTD025568

Tgt Ion:105 Resp: 1005409

Ion Ratio Lower Upper

105 100

120 48.6 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 25.256 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW025569.D

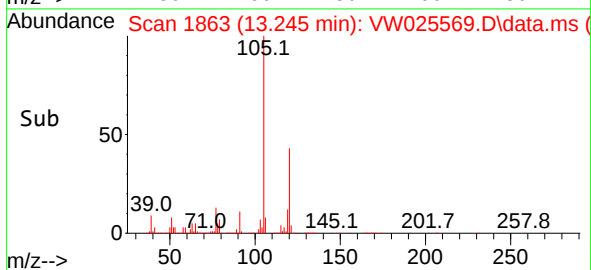
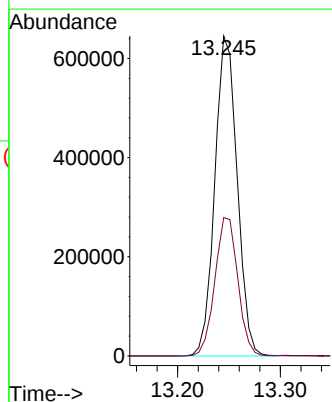
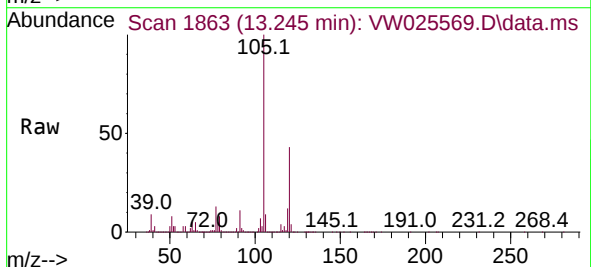
Acq: 10 Apr 2023 12:10

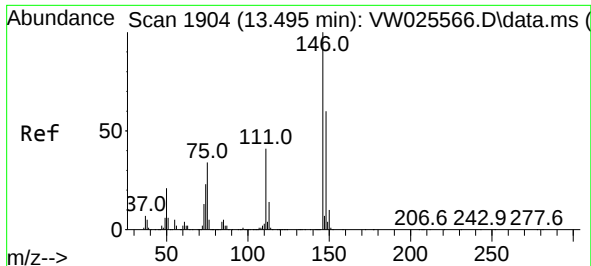
Tgt Ion:105 Resp: 974632

Ion Ratio Lower Upper

105 100

120 44.4 34.8 52.2

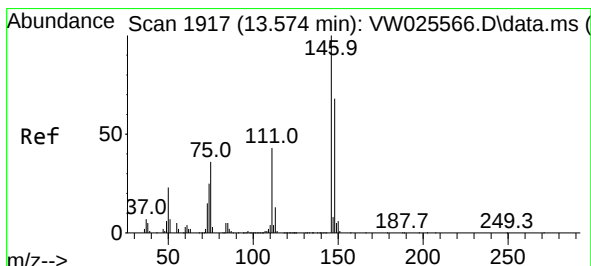
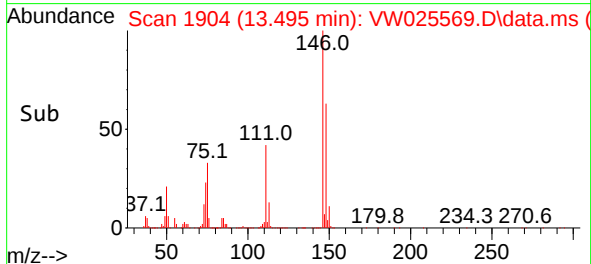
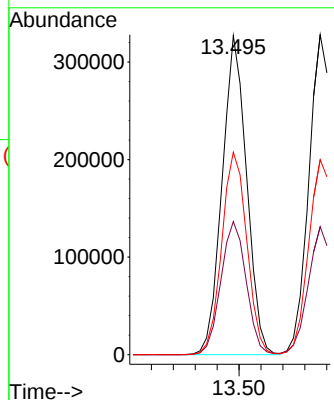
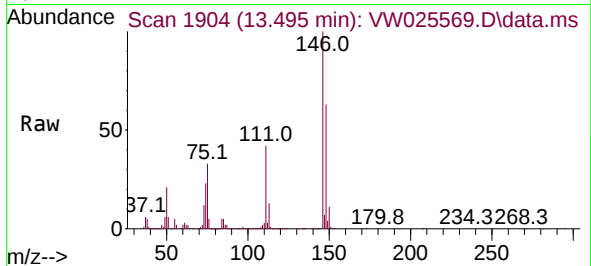




#64
1,3-Dichlorobenzene
Concen: 24.133 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

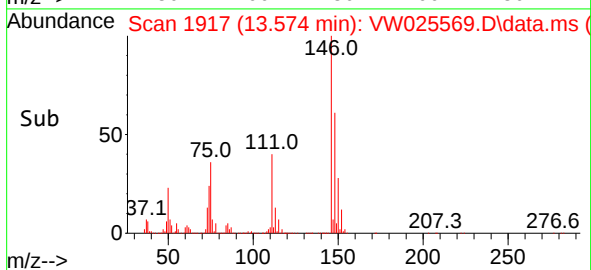
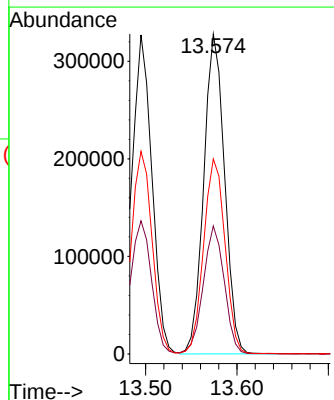
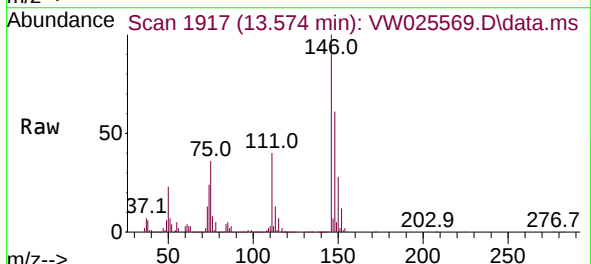
Instrument :
MSVOA_W
ClientSampleId :
VSTD025568

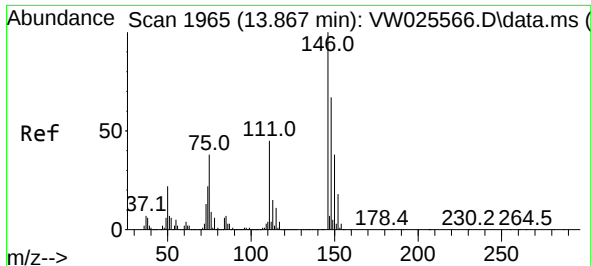
Tgt Ion:146 Resp: 507722
Ion Ratio Lower Upper
146 100
111 41.7 29.7 55.1
148 63.5 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 24.179 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025569.D
Acq: 10 Apr 2023 12:10

Tgt Ion:146 Resp: 519519
Ion Ratio Lower Upper
146 100
111 40.0 30.4 56.5
148 61.0 48.6 90.3





#67

1,2-Dichlorobenzene

Concen: 24.411 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025568

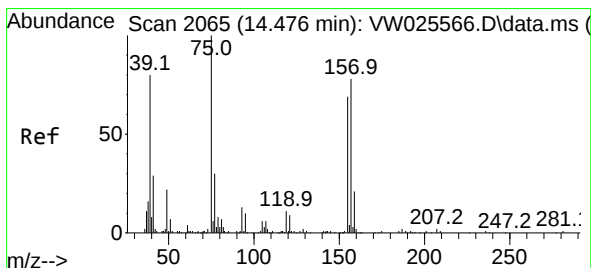
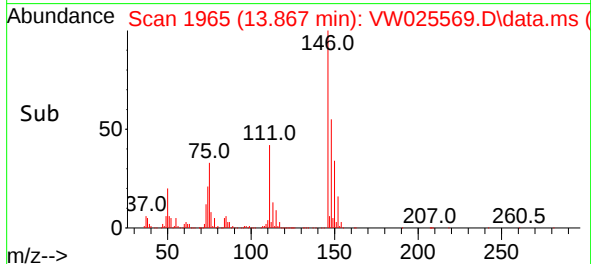
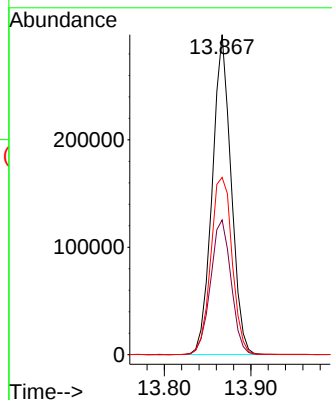
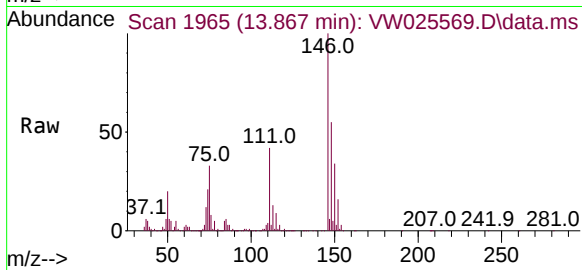
Tgt Ion:146 Resp: 450236

Ion Ratio Lower Upper

146 100

111 42.1 35.3 52.9

148 55.4 47.9 71.9



#68

1,2-Dibromo-3-chloropropane

Concen: 22.911 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

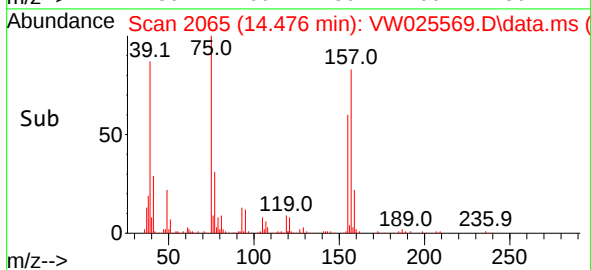
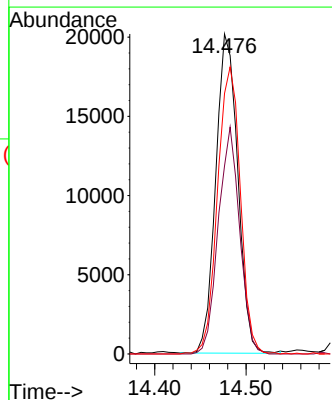
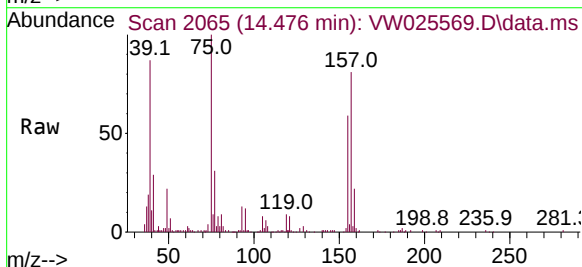
Tgt Ion: 75 Resp: 33759

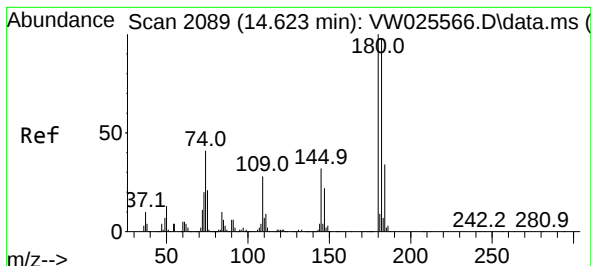
Ion Ratio Lower Upper

75 100

155 58.8 61.1 91.7#

157 81.4 72.8 109.2





#69

1,3,5-Trichlorobenzene

Concen: 24.182 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025568

Tgt Ion:180 Resp: 340629

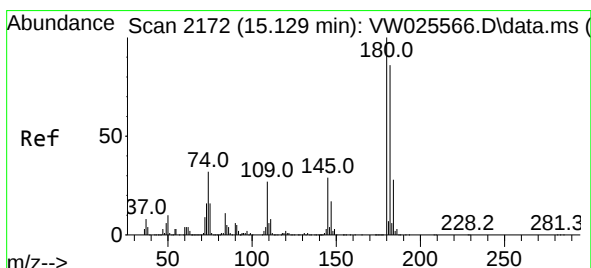
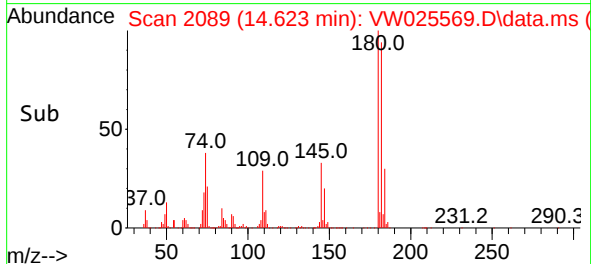
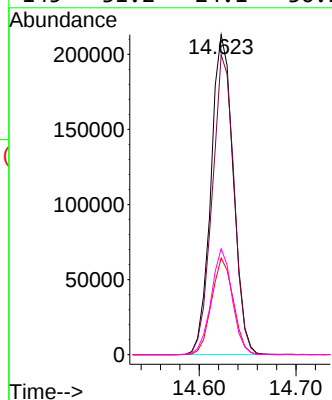
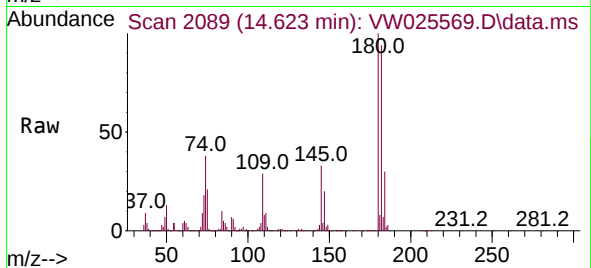
Ion Ratio Lower Upper

180 100

182 91.7 76.4 114.6

184 29.4 24.1 36.1

145 31.2 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 25.421 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

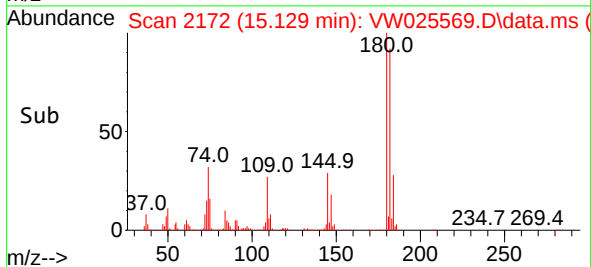
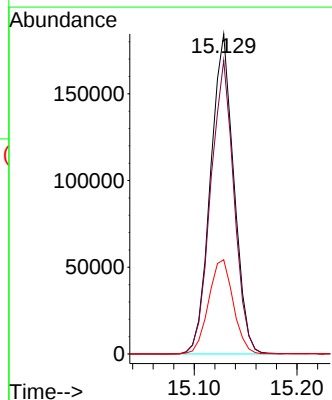
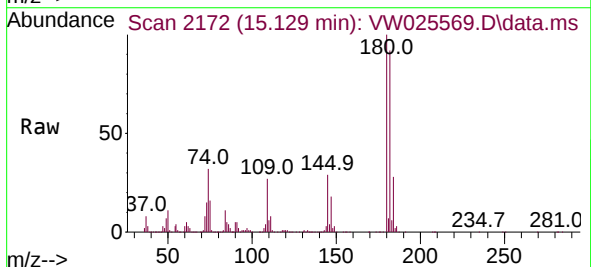
Tgt Ion:180 Resp: 290873

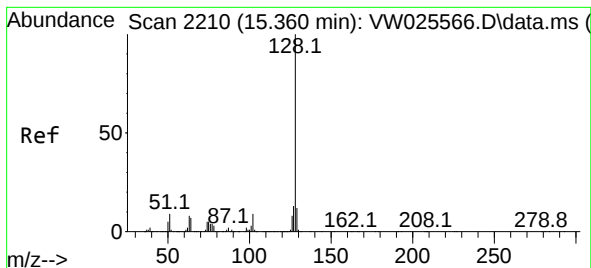
Ion Ratio Lower Upper

180 100

182 91.7 79.5 119.3

145 31.1 27.4 41.0





#71

Naphthalene

Concen: 25.070 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025568

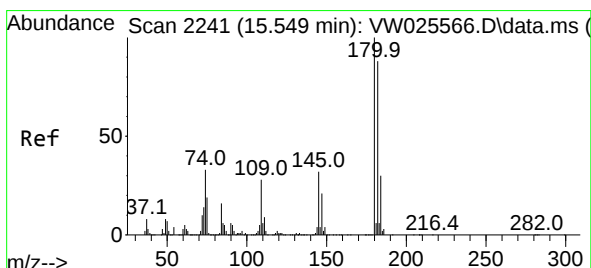
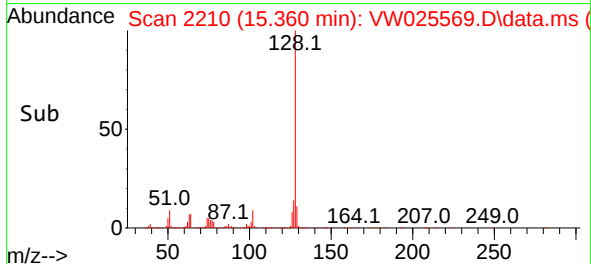
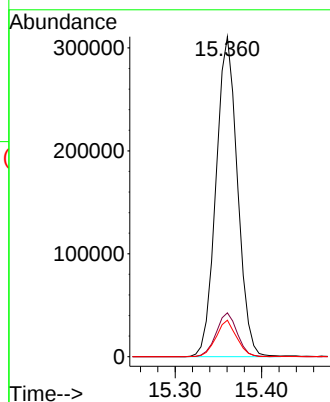
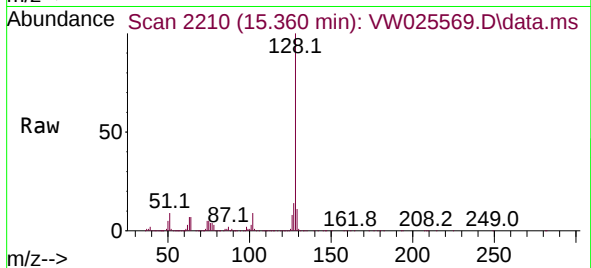
Tgt Ion:128 Resp: 535264

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: 24.881 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025569.D

Acq: 10 Apr 2023 12:10

Tgt Ion:180 Resp: 248913

Ion Ratio Lower Upper

180 100

182 94.3 72.9 109.3

145 34.4 27.0 40.6

