

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051123\
 Data File : VD076078.D
 Acq On : 11 May 2023 14:01
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025154

Quant Time: May 12 03:04:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 12 02:22:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	437631	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	390077	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	196538	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	128612	19.212	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.840%
7) Chloroethane-d5	2.799	69	125761	20.461	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.840%
11) 1,1-Dichloroethene-d2	3.911	65	34301	20.352	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.400%
21) 2-Butanone-d5	6.993	46	46559	51.653	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.300%
24) Chloroform-d	7.563	84	194294	21.192	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.760%
26) 1,2-Dichloroethane-d4	8.228	65	87511	21.714	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.840%
32) Benzene-d6	8.199	84	386306	21.967	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.880%
36) 1,2-Dichloropropane-d6	9.210	67	119252	22.007	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.040%
41) Toluene-d8	10.269	98	351480	22.427	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.720%
43) trans-1,3-Dichloroprop...	10.522	79	45687	22.460	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.840%
47) 2-Hexanone-d5	10.875	63	39392	49.641	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.280%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	107328	23.000	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	13.816	152	122664	21.848	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	131275	23.984	ug/L	100
3) Chloromethane	2.146	50	195096	25.074	ug/L	99
5) Vinyl chloride	2.281	62	235095	23.667	ug/L	100
6) Bromomethane	2.687	94	135840	22.045	ug/L	96
8) Chloroethane	2.834	64	150882	23.672	ug/L	96
9) Trichlorofluoromethane	3.169	101	187678	23.078	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	130976	22.609	ug/L	95
12) 1,1-Dichloroethene	3.934	96	123444	23.775	ug/L	85
13) Acetone	4.028	43	38683	48.171	ug/L	98
14) Carbon disulfide	4.269	76	388561	24.034	ug/L	100
15) Methyl Acetate	4.558	43	41444	23.995	ug/L #	55
16) Methylene chloride	4.799	84	166195	23.355	ug/L	92
17) trans-1,2-Dichloroethene	5.311	96	136297	24.518	ug/L	95
18) Methyl tert-butyl Ether	5.322	73	249749	25.316	ug/L	98
19) 1,1-Dichloroethane	6.111	63	225939	23.845	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	150976	24.499	ug/L	93
22) 2-Butanone	7.081	43	56002	49.915	ug/L	94
23) Bromochloromethane	7.422	128	71565	23.756	ug/L #	89
25) Chloroform	7.593	83	240121	23.734	ug/L	97

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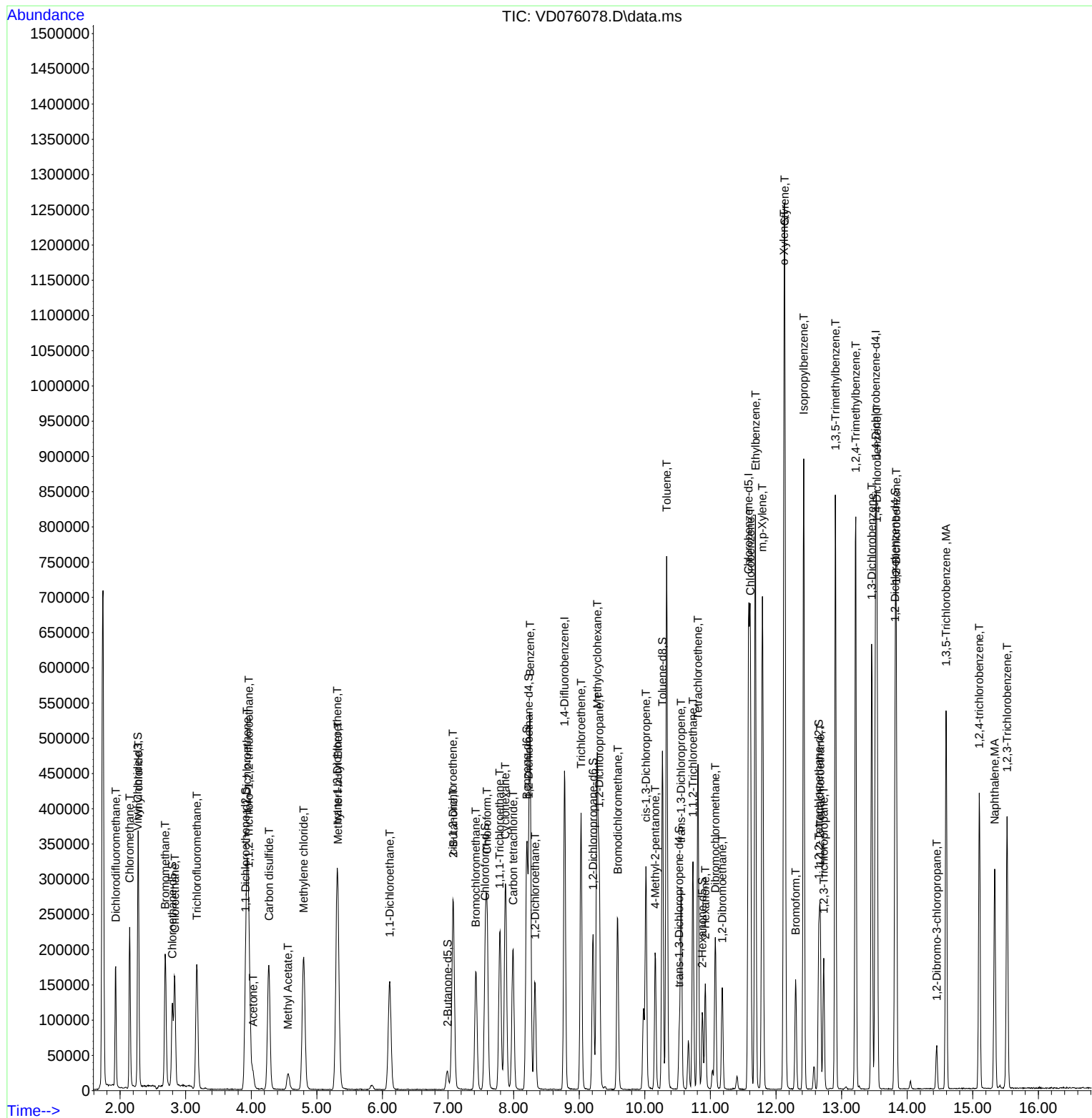
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	132891	24.926	ug/L	97
29) Cyclohexane	7.875	56	163307	25.239	ug/L	90
30) 1,1,1-Trichloroethane	7.787	97	191671	24.188	ug/L	99
31) Carbon tetrachloride	7.993	117	150748	24.149	ug/L	100
33) Benzene	8.252	78	549141	25.322	ug/L	100
34) Trichloroethene	9.028	95	134496	24.027	ug/L	95
35) Methylcyclohexane	9.275	83	211020	24.881	ug/L	96
37) 1,2-Dichloropropane	9.304	63	137756	24.904	ug/L	100
38) Bromodichloromethane	9.587	83	172573	24.350	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	202736	25.445	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	116539	52.271	ug/L	96
42) Toluene	10.334	91	602726	26.034	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	171687	25.824	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	110010	24.630	ug/L	91
46) Tetrachloroethene	10.810	164	115694	24.739	ug/L	98
48) 2-Hexanone	10.922	43	85191	52.655	ug/L	93
49) Dibromochloromethane	11.075	129	119975	24.896	ug/L	99
50) 1,2-Dibromoethane	11.181	107	98805	25.048	ug/L	95
51) Chlorobenzene	11.610	112	384861	24.424	ug/L	99
52) Ethylbenzene	11.687	91	607559	25.296	ug/L	99
53) m,p-Xylene	11.793	106	241579	25.793	ug/L	94
54) o-Xylene	12.122	106	231417	26.053	ug/L	97
55) Styrene	12.134	104	419172	26.637	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	121872	24.374	ug/L	97
59) Bromoform	12.298	173	72048	25.227	ug/L	99
60) Isopropylbenzene	12.422	105	588069	26.352	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	76726	24.271	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	445587	26.026	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	439093	26.816	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	288682	24.917	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	294472	24.432	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	255578	24.185	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	15418	24.311	ug/L	92
69) 1,3,5-Trichlorobenzene	14.592	180	180526	24.522	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	146430	25.132	ug/L	98
71) Naphthalene	15.334	128	286502	26.167	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	140118	26.446	ug/L	98

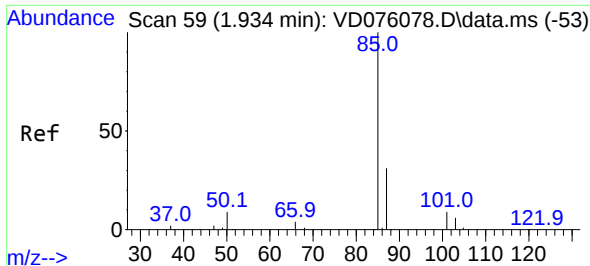
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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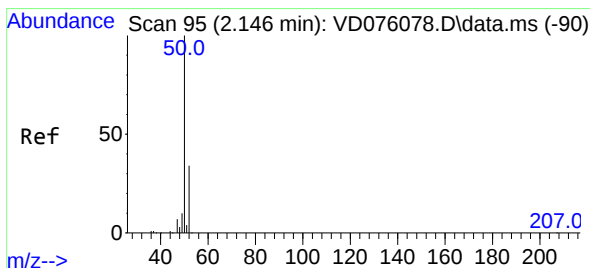
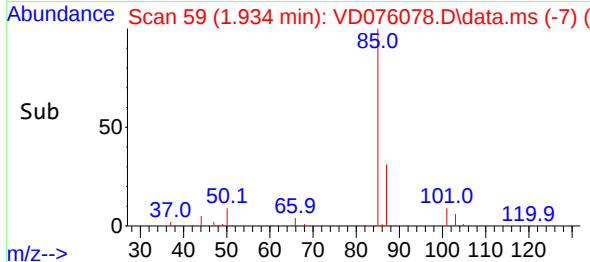
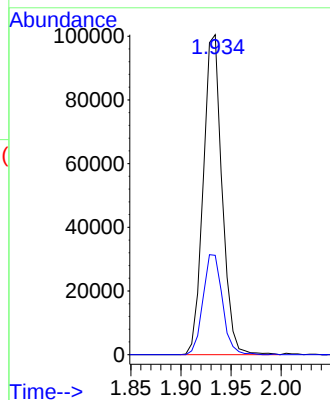
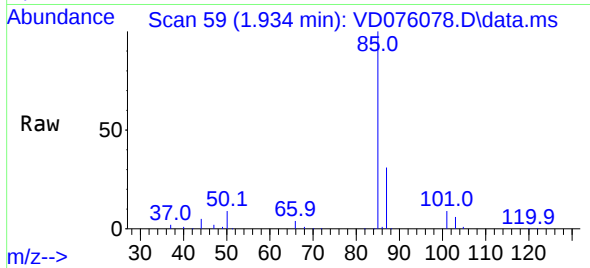




#2
Dichlorodifluoromethane
Concen: 23.984 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.006 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

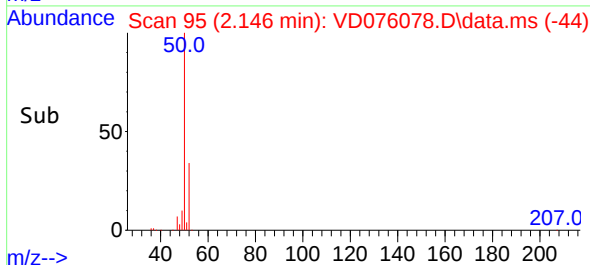
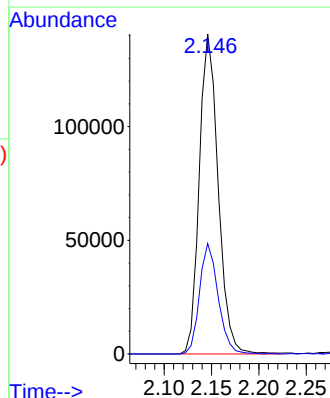
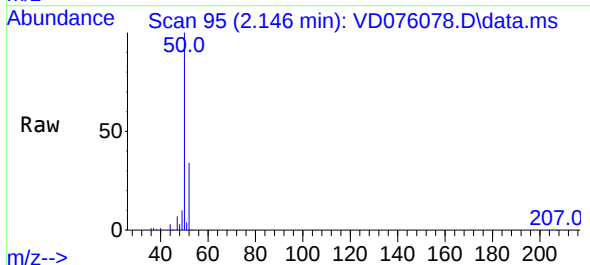
Instrument :
MSVOA_D
ClientSampleId :
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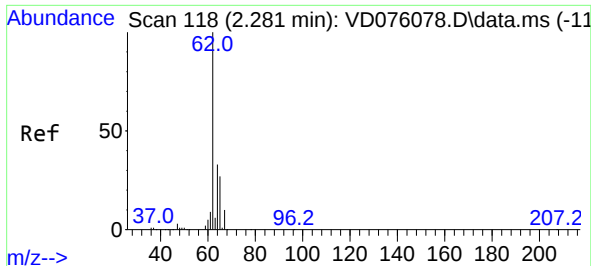
Tgt Ion: 85 Resp: 131275
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 25.074 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 50 Resp: 195096
Ion Ratio Lower Upper
50 100
52 34.5 23.7 44.1

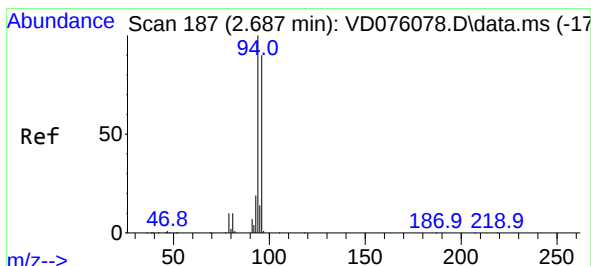
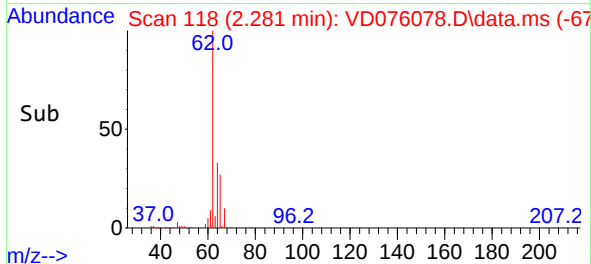
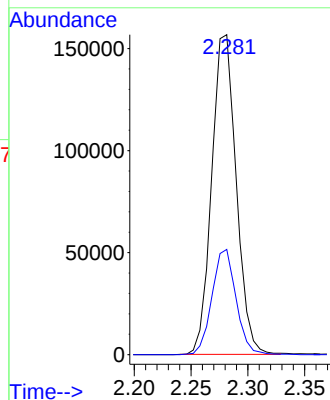
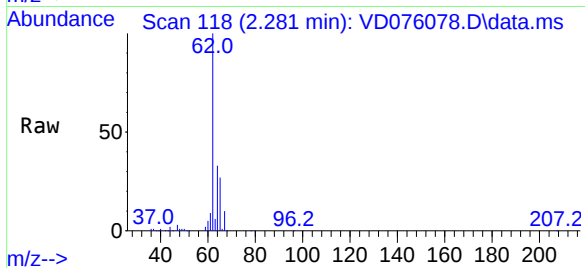




#5
 Vinyl chloride
 Concen: 23.667 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD076078.D
 Acq: 11 May 2023 14:01

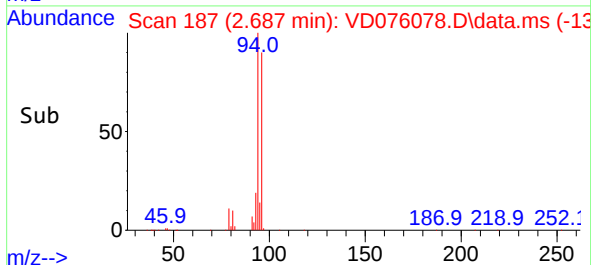
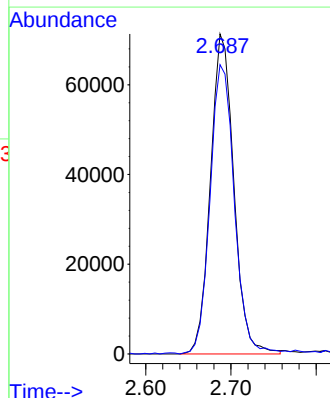
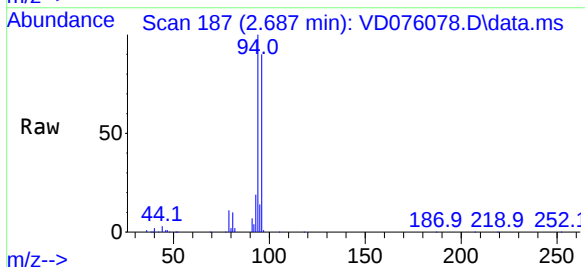
Instrument :
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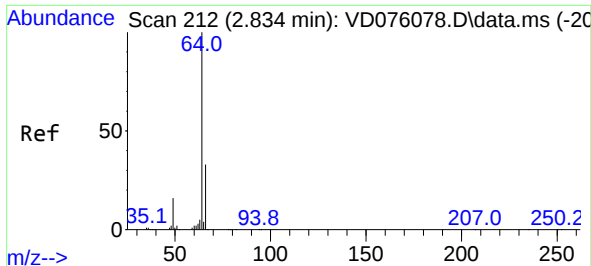
Tgt Ion: 62 Resp: 235095
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.2 43.0



#6
 Bromomethane
 Concen: 22.045 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. 0.000 min
 Lab File: VD076078.D
 Acq: 11 May 2023 14:01

Tgt Ion: 94 Resp: 135840
 Ion Ratio Lower Upper
 94 100
 96 90.4 65.7 121.9

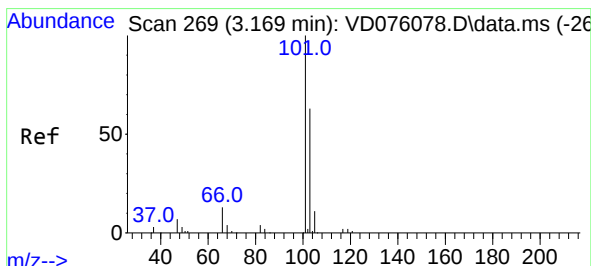
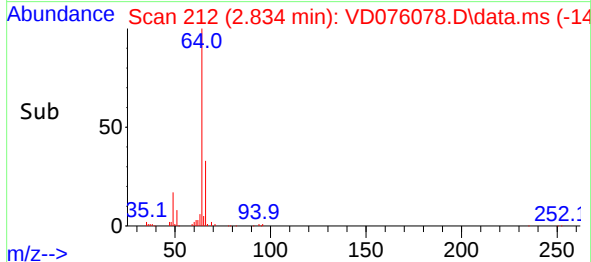
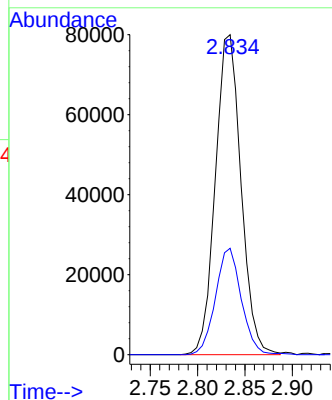
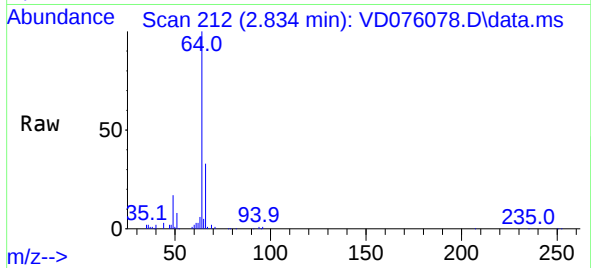




#8
Chloroethane
Concen: 23.672 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

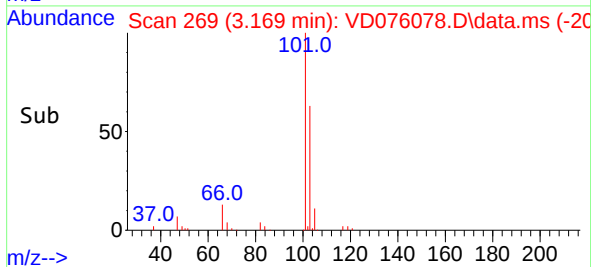
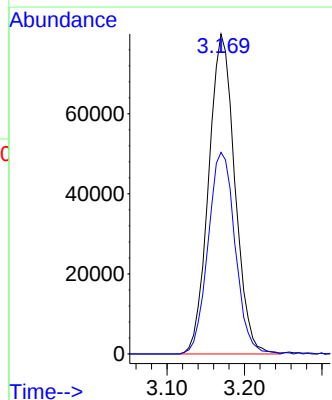
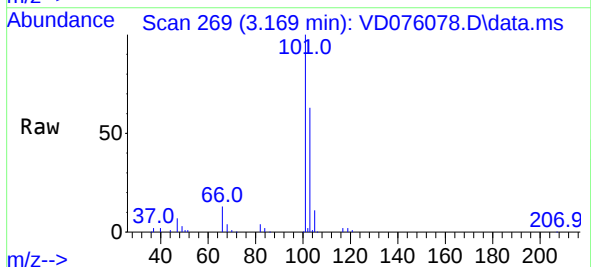
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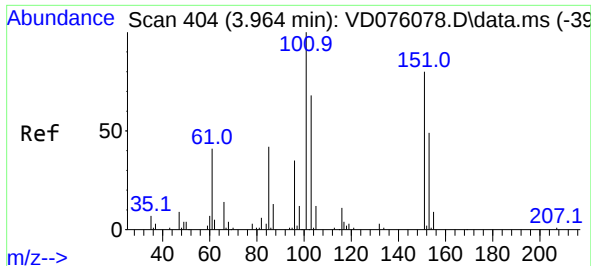
Tgt Ion: 64 Resp: 150882
Ion Ratio Lower Upper
64 100
66 33.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 23.078 ug/L
RT: 3.169 min Scan# 269
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion:101 Resp: 187678
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.4

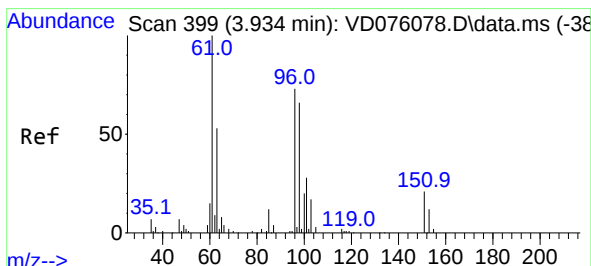
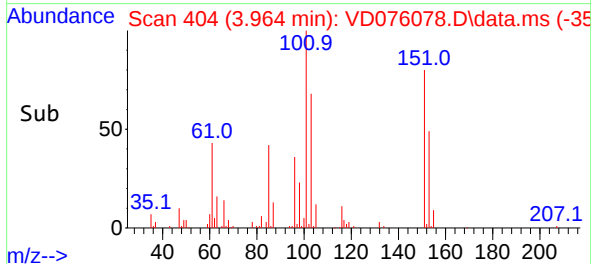
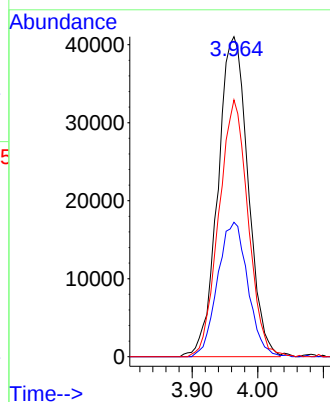
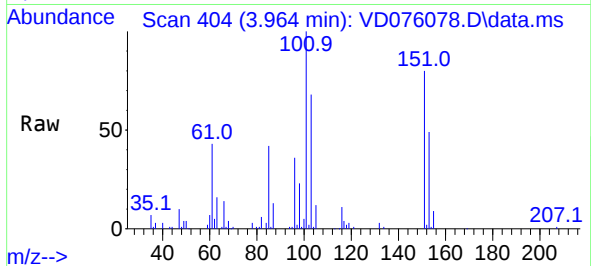




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.609 ug/L
 RT: 3.964 min Scan# 404
 Delta R.T. 0.006 min
 Lab File: VD076078.D
 Acq: 11 May 2023 14:01

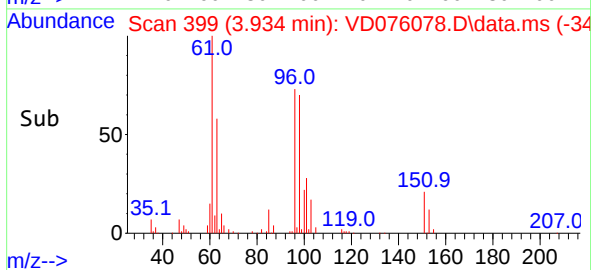
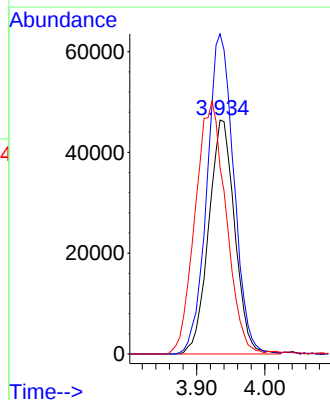
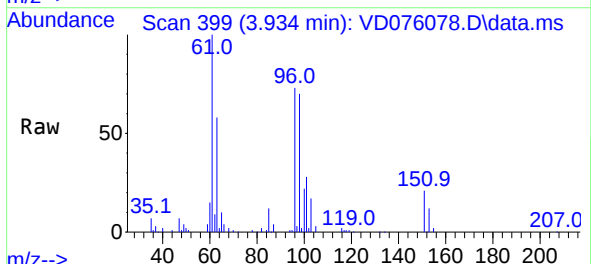
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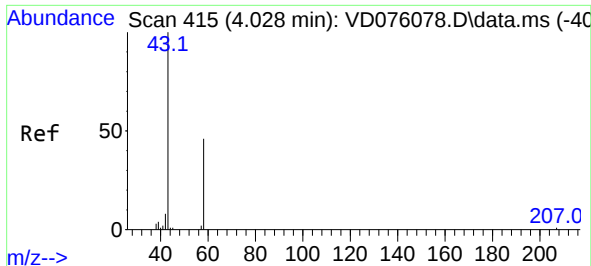
Tgt Ion:101 Resp: 130976
 Ion Ratio Lower Upper
 101 100
 85 42.0 32.9 49.3
 151 77.6 57.2 85.8



#12
 1,1-Dichloroethene
 Concen: 23.775 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VD076078.D
 Acq: 11 May 2023 14:01

Tgt Ion: 96 Resp: 123444
 Ion Ratio Lower Upper
 96 100
 61 136.8 92.6 172.0
 63 79.7 77.4 143.8

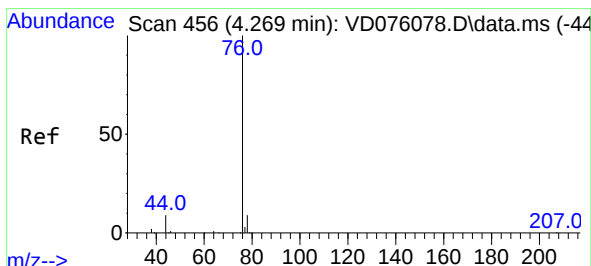
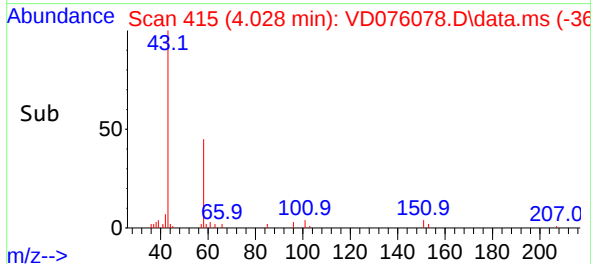
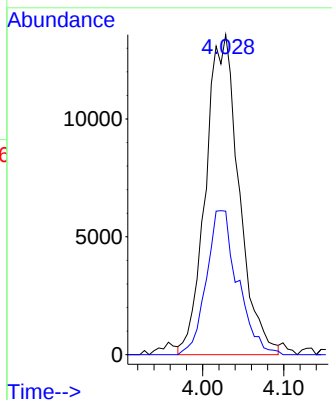
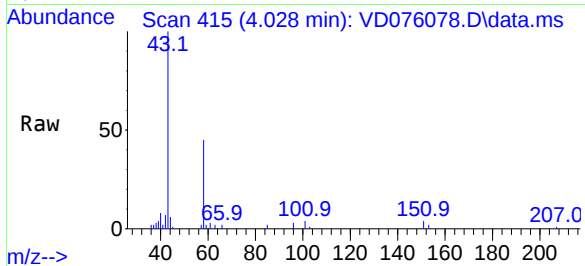




#13
Acetone
Concen: 48.171 ug/L
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
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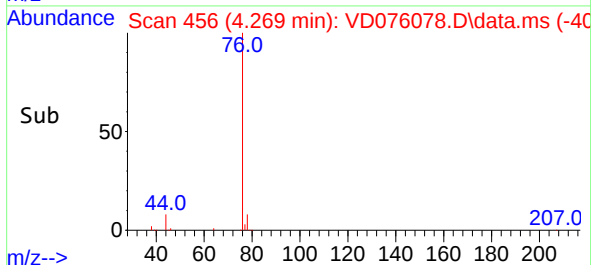
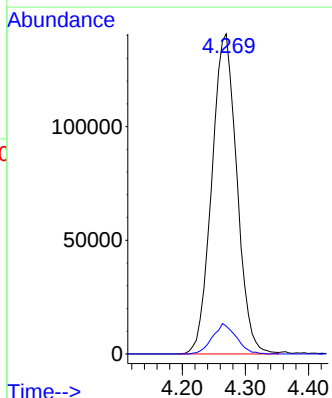
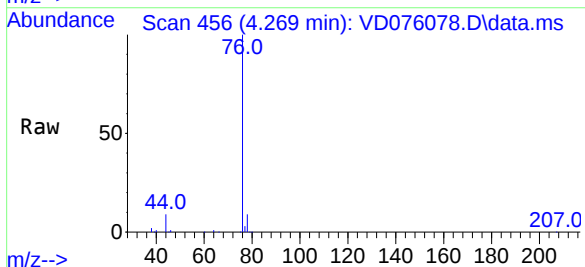
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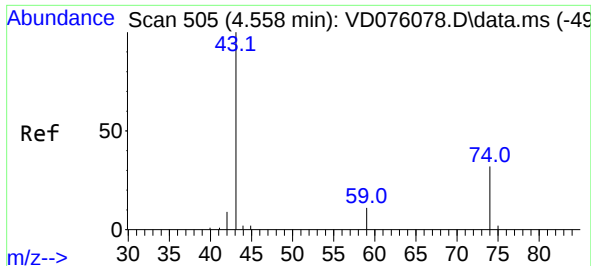
Tgt Ion: 43 Resp: 38683
Ion Ratio Lower Upper
43 100
58 42.5 0.0 87.4



#14
Carbon disulfide
Concen: 24.034 ug/L
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 76 Resp: 388561
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6

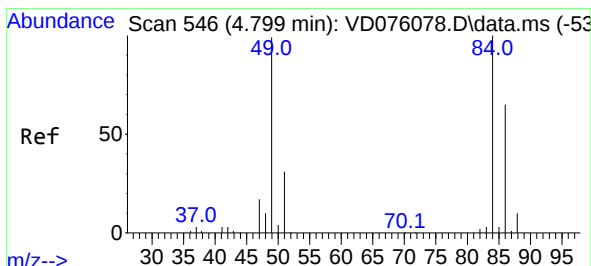
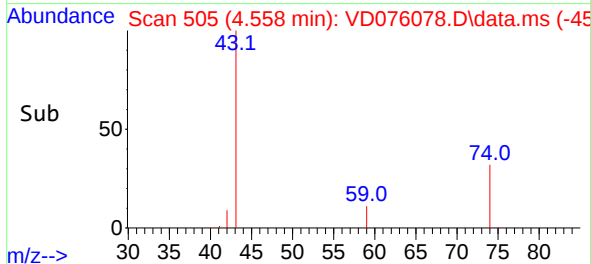
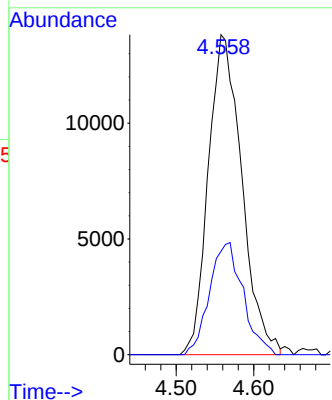
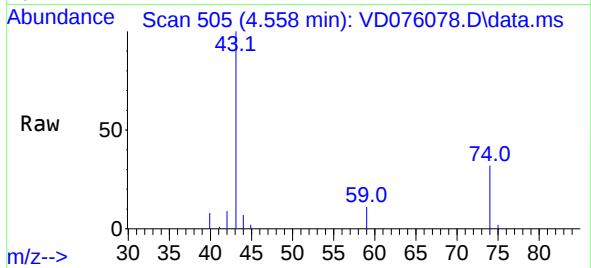




#15
Methyl Acetate
Concen: 23.995 ug/L
RT: 4.558 min Scan# 505
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

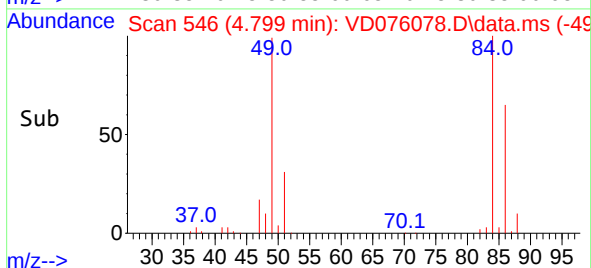
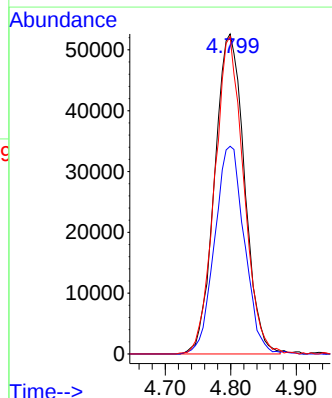
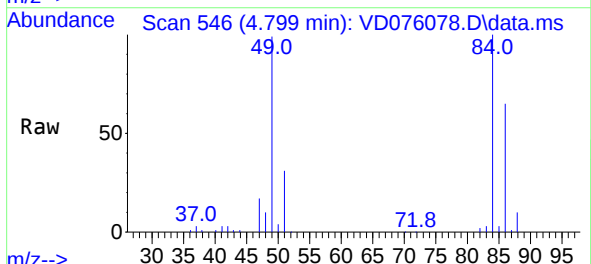
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

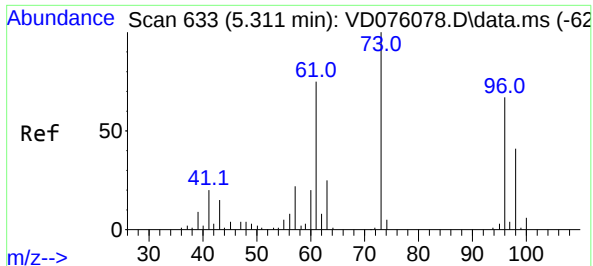
Tgt Ion: 43 Resp: 41444
Ion Ratio Lower Upper
43 100
74 35.0 12.8 19.2#



#16
Methylene chloride
Concen: 23.355 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 84 Resp: 166195
Ion Ratio Lower Upper
84 100
86 64.9 45.8 85.2
49 99.2 60.8 112.8

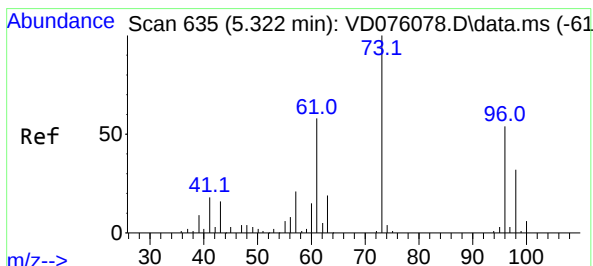
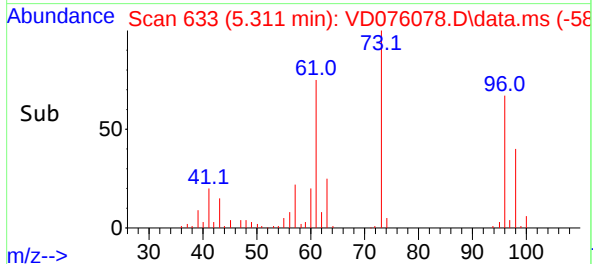
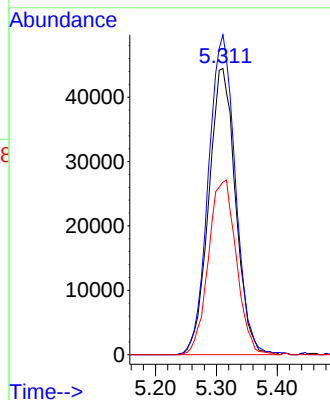
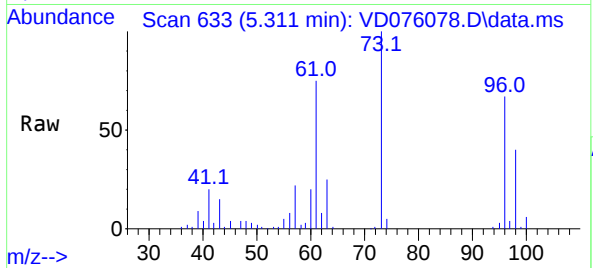




#17
trans-1,2-Dichloroethene
Concen: 24.518 ug/L
RT: 5.311 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

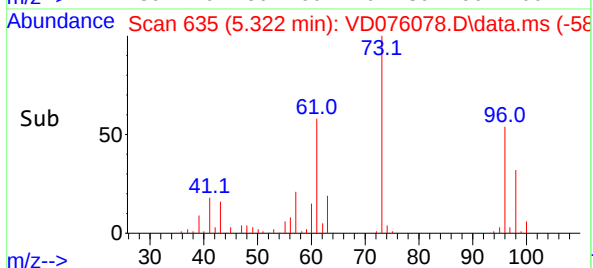
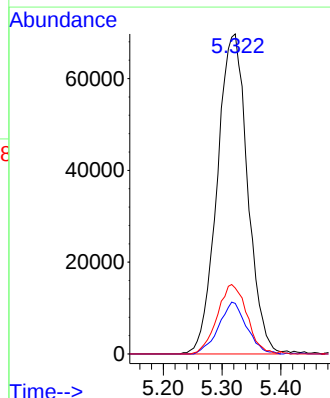
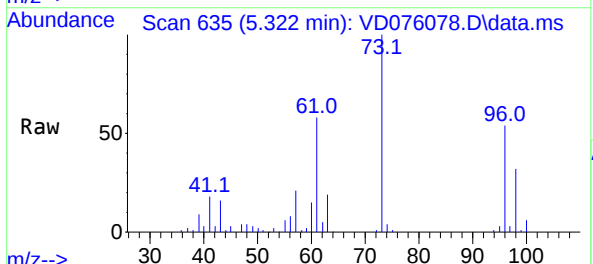
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

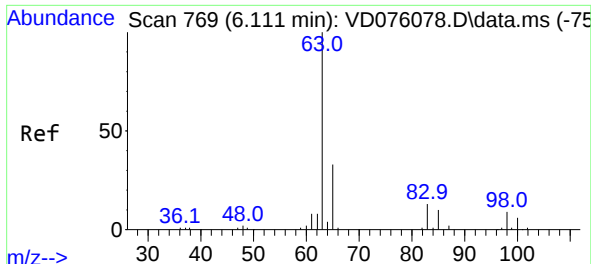
Tgt Ion: 96 Resp: 136297
Ion Ratio Lower Upper
96 100
61 111.8 72.9 135.5
98 60.3 43.0 79.8



#18
Methyl tert-butyl Ether
Concen: 25.316 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 73 Resp: 249749
Ion Ratio Lower Upper
73 100
43 14.9 11.3 16.9
57 21.2 16.3 24.5

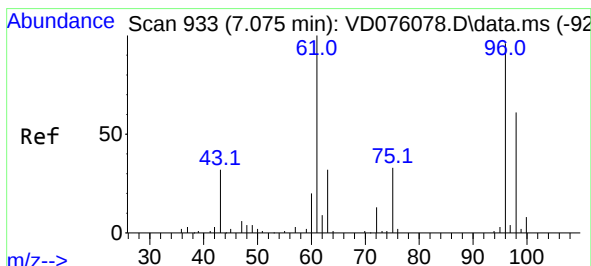
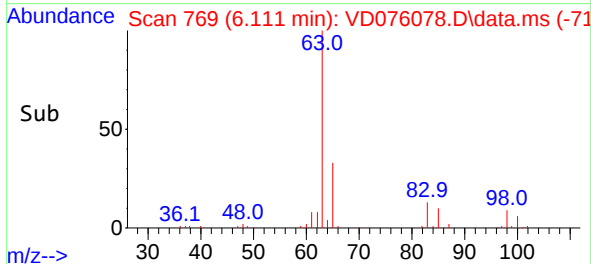
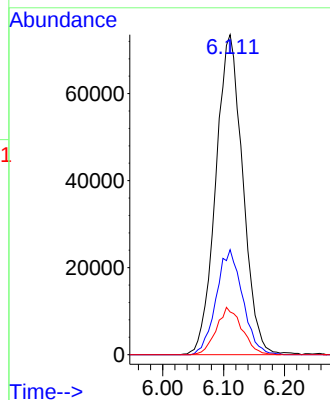
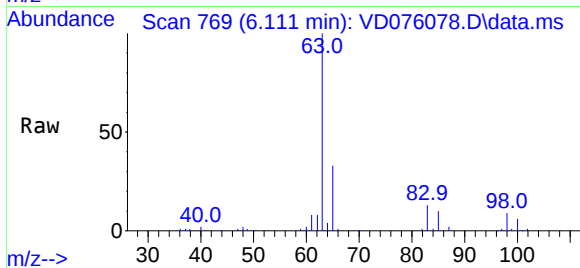




#19
1,1-Dichloroethane
Concen: 23.845 ug/L
RT: 6.111 min Scan# 769
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

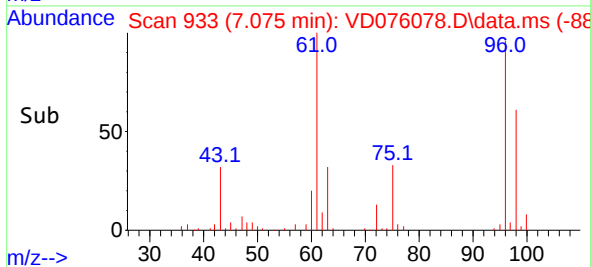
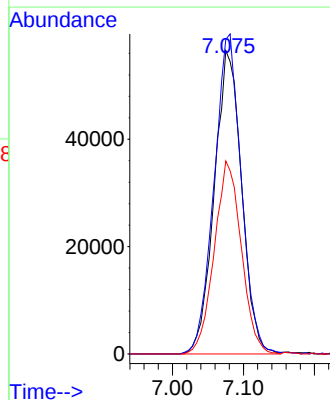
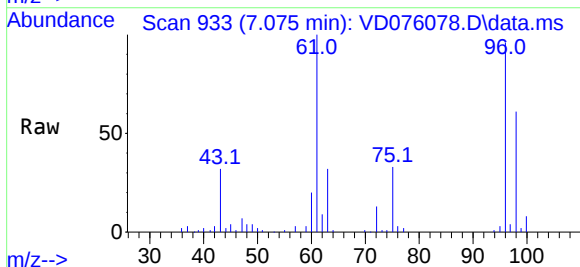
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

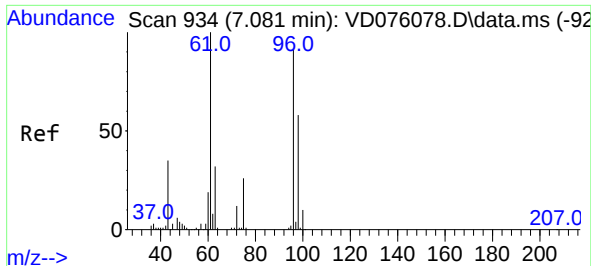
Tgt Ion: 63 Resp: 225939
Ion Ratio Lower Upper
63 100
65 32.8 22.8 42.4
83 13.3 11.2 20.8



#20
cis-1,2-Dichloroethene
Concen: 24.499 ug/L
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 96 Resp: 150976
Ion Ratio Lower Upper
96 100
61 103.7 67.5 125.3
98 63.6 47.5 88.1

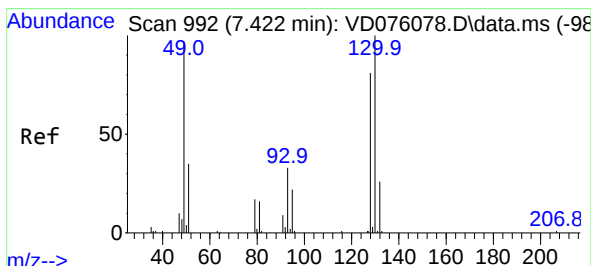
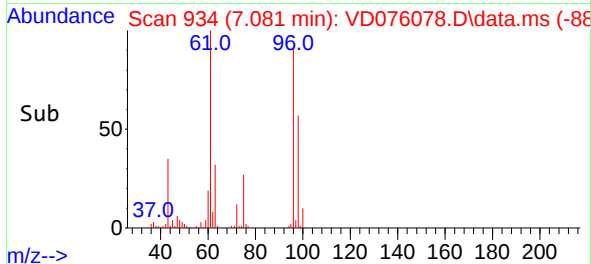
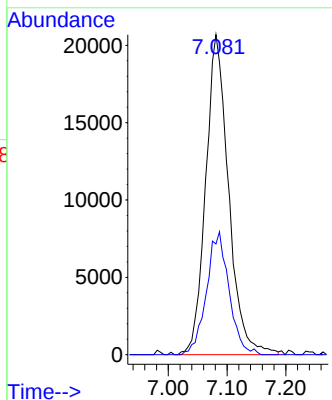
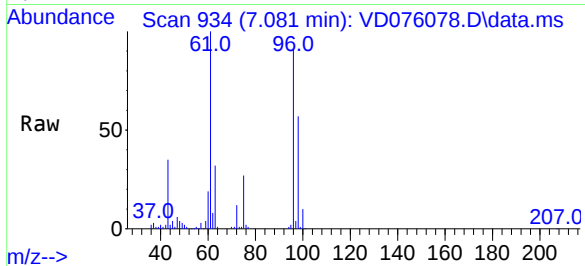




#22
2-Butanone
Concen: 49.915 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

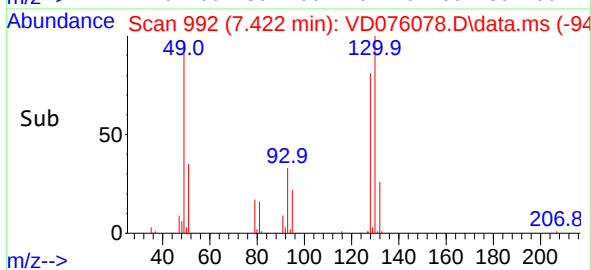
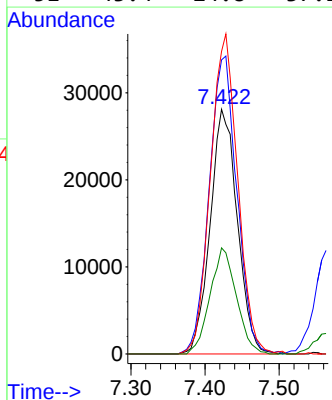
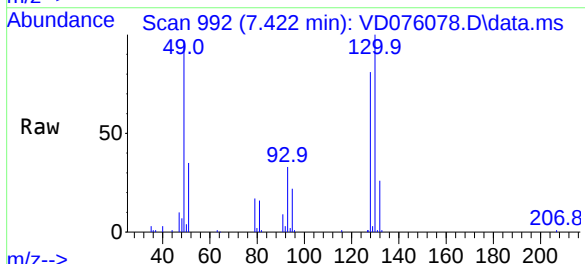
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

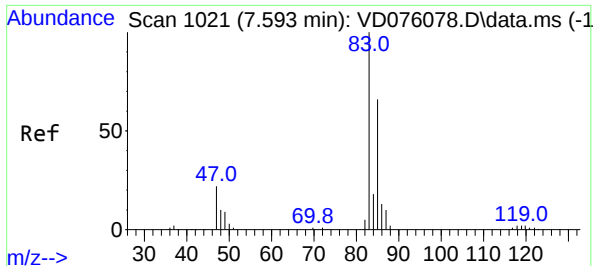
Tgt Ion: 43 Resp: 56002
Ion Ratio Lower Upper
43 100
72 37.4 20.5 61.5



#23
Bromochloromethane
Concen: 23.756 ug/L
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 128 Resp: 71565
Ion Ratio Lower Upper
128 100
49 120.2 76.4 142.0
130 123.7 93.5 173.7
51 43.4 24.8 37.2





#25

Chloroform

Concen: 23.734 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD076078.D

Acq: 11 May 2023 14:01

Instrument :

MSVOA_D

ClientSampleId :

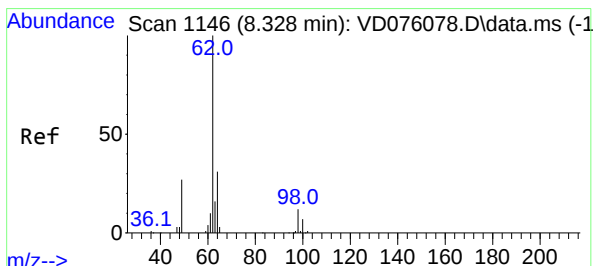
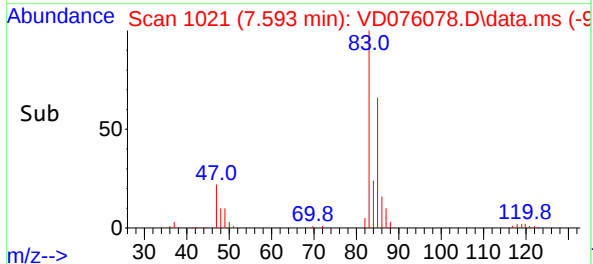
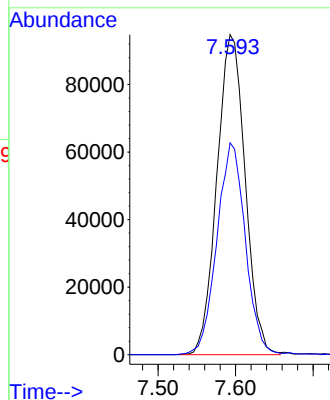
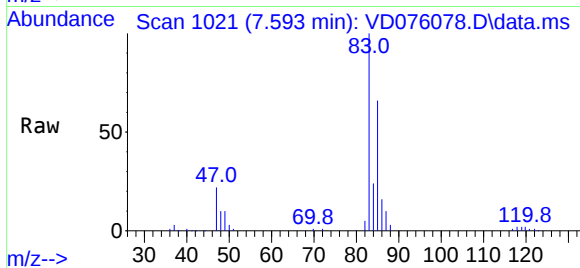
VSTD025154

Tgt Ion: 83 Resp: 240121

Ion Ratio Lower Upper

83 100

85 66.2 44.4 82.5



#27

1,2-Dichloroethane

Concen: 24.926 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VD076078.D

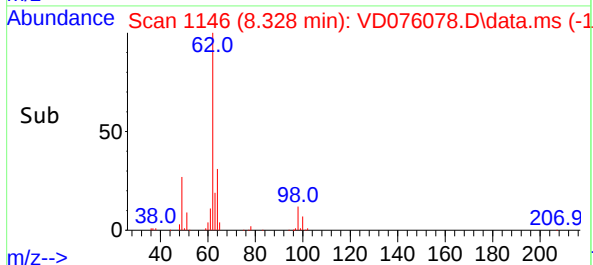
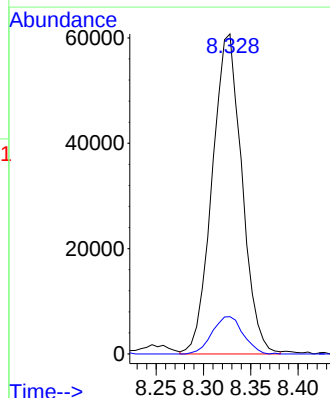
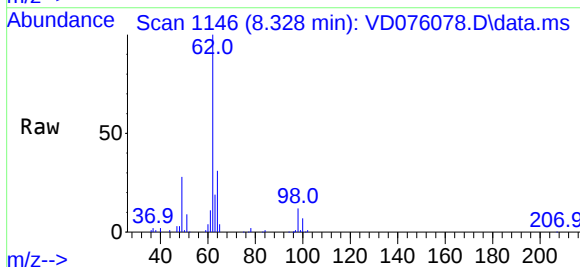
Acq: 11 May 2023 14:01

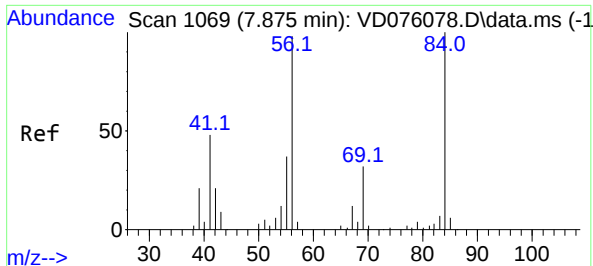
Tgt Ion: 62 Resp: 132891

Ion Ratio Lower Upper

62 100

98 11.7 10.2 15.2





#29

Cyclohexane

Concen: 25.239 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076078.D

Acq: 11 May 2023 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTD025154

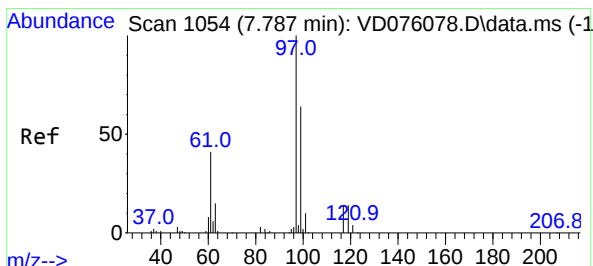
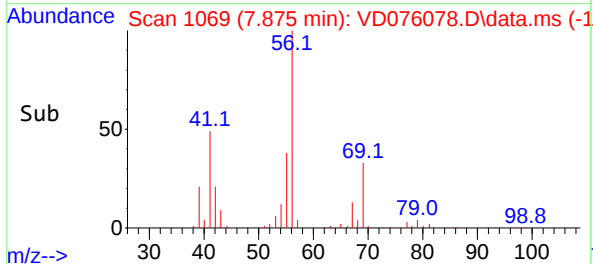
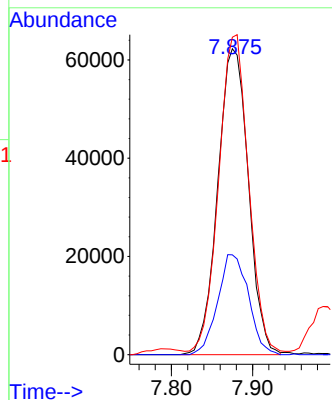
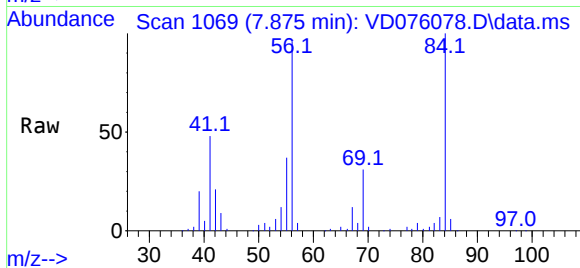
Tgt Ion: 56 Resp: 163307

Ion Ratio Lower Upper

56 100

69 32.9 28.2 42.2

84 102.7 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 24.188 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD076078.D

Acq: 11 May 2023 14:01

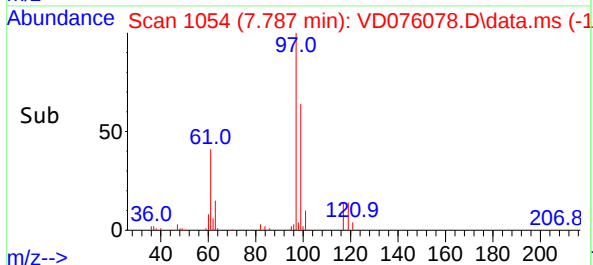
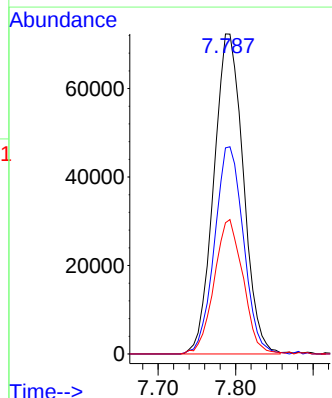
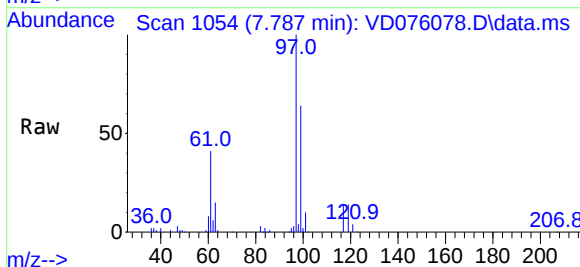
Tgt Ion: 97 Resp: 191671

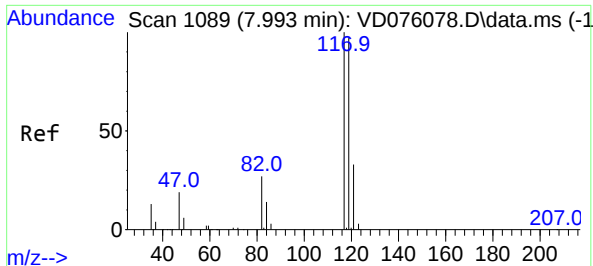
Ion Ratio Lower Upper

97 100

99 63.7 51.5 77.3

61 41.1 32.1 48.1

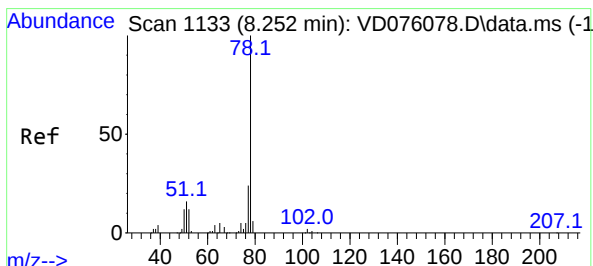
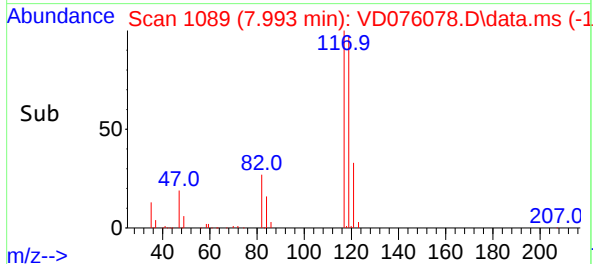
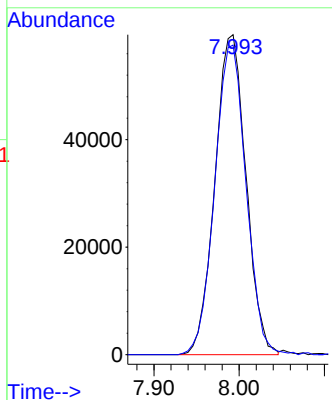
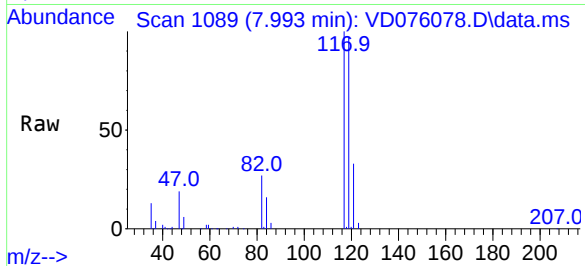




#31
Carbon tetrachloride
Concen: 24.149 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

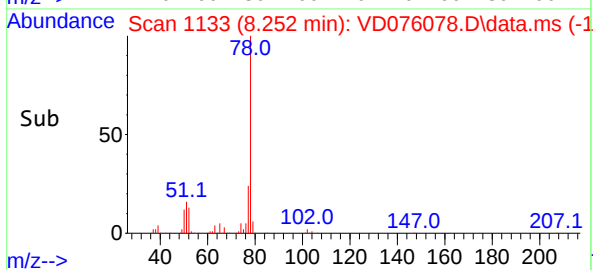
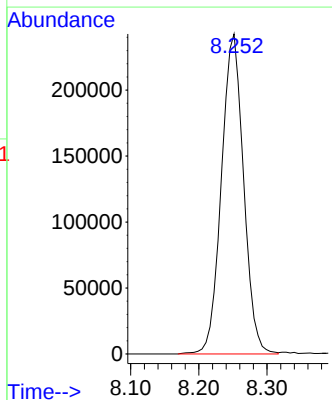
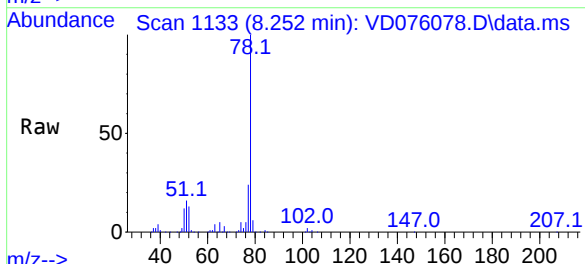
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

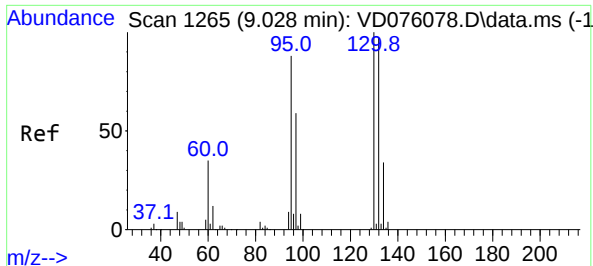
Tgt Ion:117 Resp: 150748
Ion Ratio Lower Upper
117 100
119 97.6 78.2 117.4



#33
Benzene
Concen: 25.322 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 78 Resp: 549141



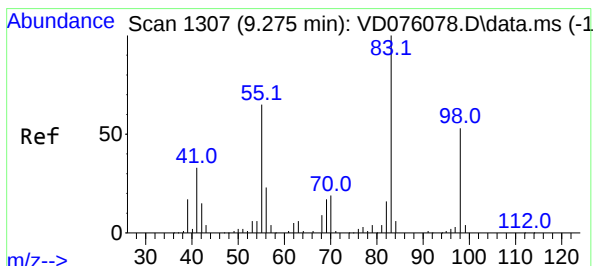
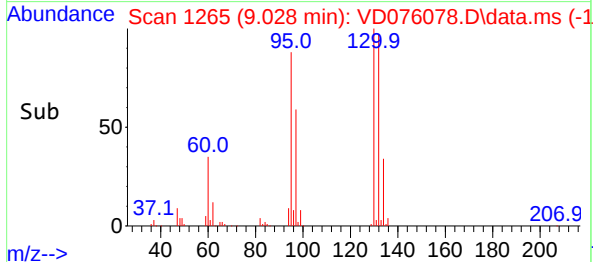
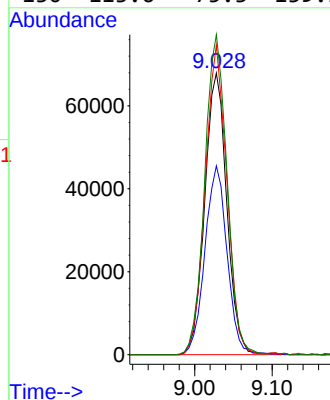
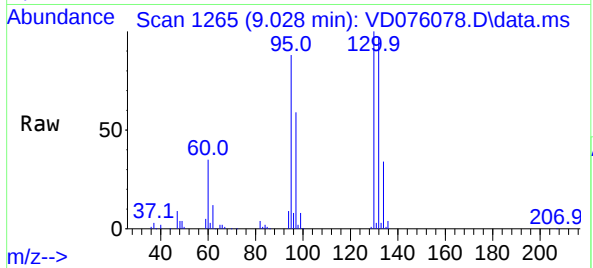


#34
Trichloroethene
Concen: 24.027 ug/L
RT: 9.028 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

Tgt Ion: 95 Resp: 134496

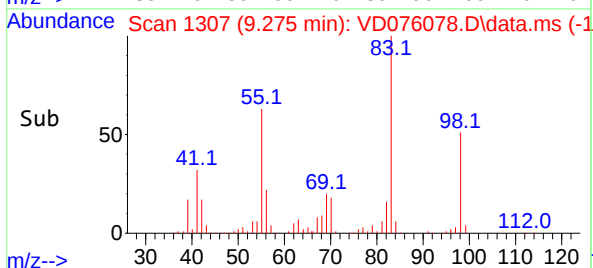
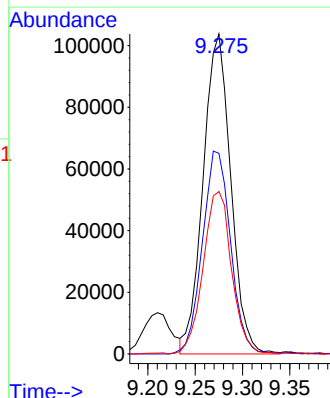
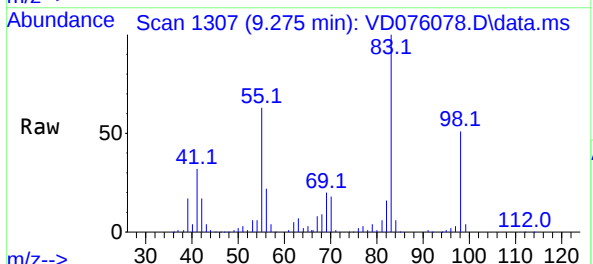
Ion	Ratio	Lower	Upper
95	100		
97	67.0	46.0	85.4
132	110.0	73.3	136.1
130	113.6	75.3	139.9

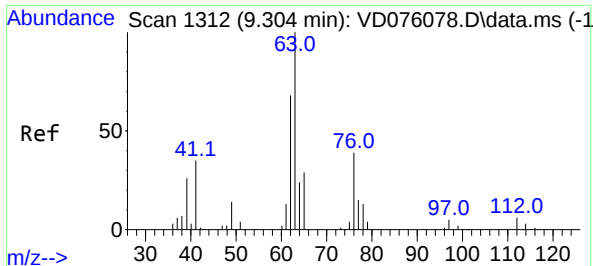


#35
Methylcyclohexane
Concen: 24.881 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 83 Resp: 211020

Ion	Ratio	Lower	Upper
83	100		
55	64.7	48.2	72.2
98	51.9	40.8	61.2

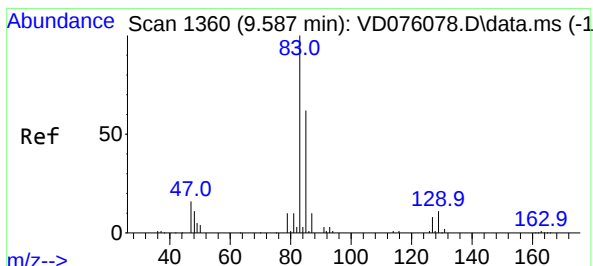
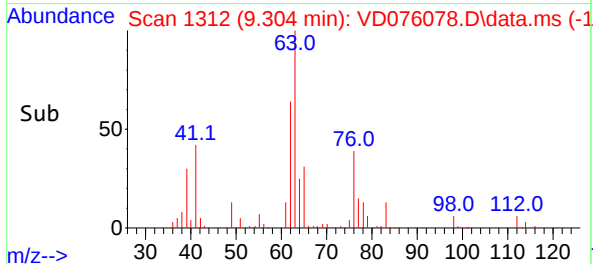
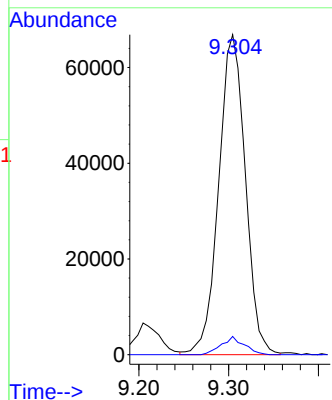
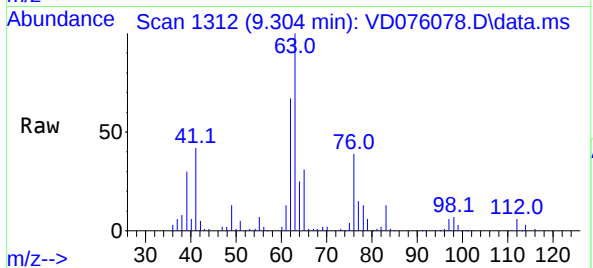




#37
1,2-Dichloropropane
Concen: 24.904 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

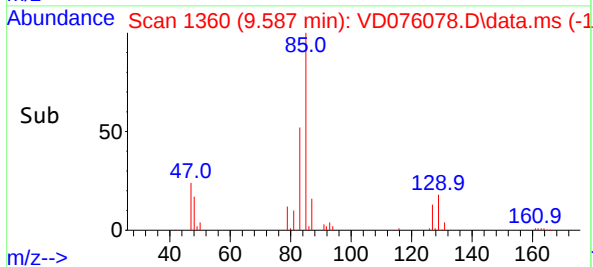
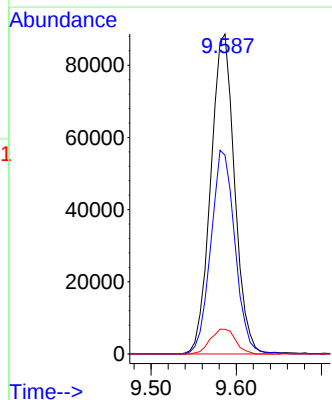
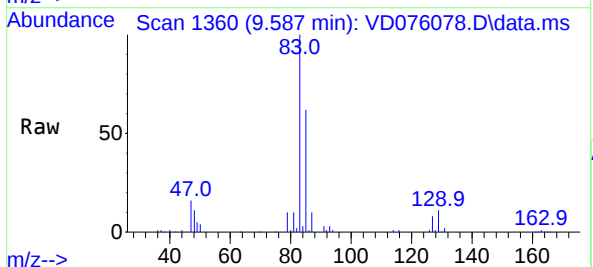
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

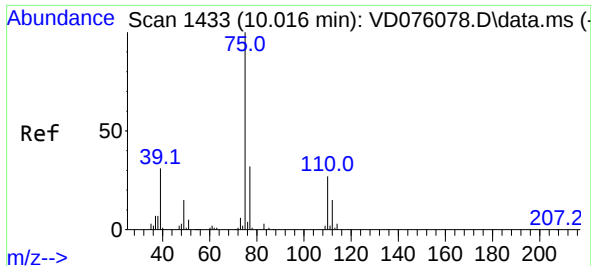
Tgt Ion: 63 Resp: 137756
Ion Ratio Lower Upper
63 100
112 4.9 4.0 6.0



#38
Bromodichloromethane
Concen: 24.350 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 83 Resp: 172573
Ion Ratio Lower Upper
83 100
85 62.1 44.2 82.2
127 7.7 6.3 9.5

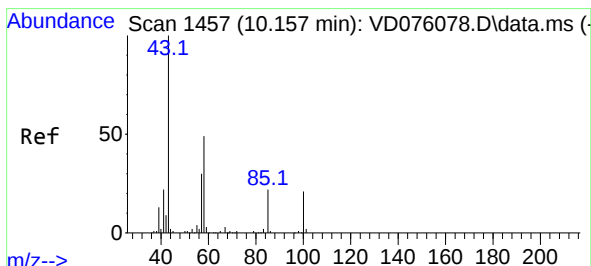
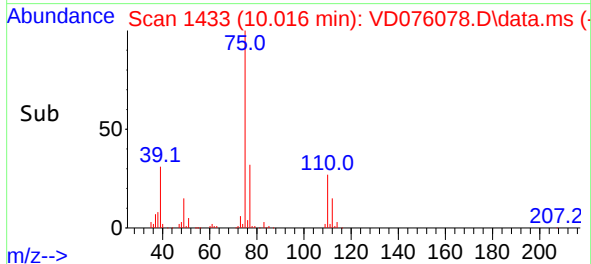
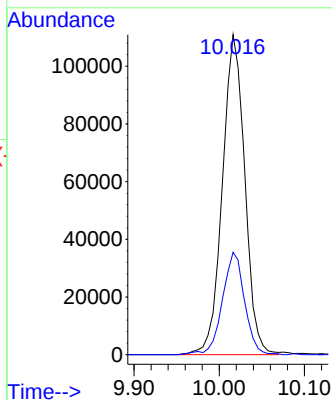
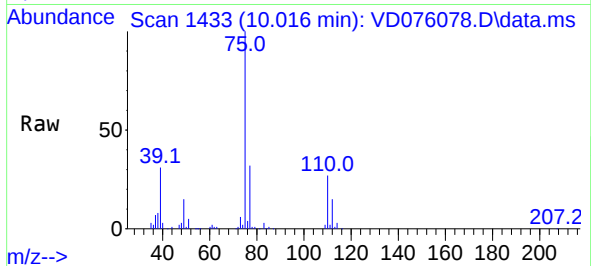




#39
 cis-1,3-Dichloropropene
 Concen: 25.445 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD076078.D
 Acq: 11 May 2023 14:01

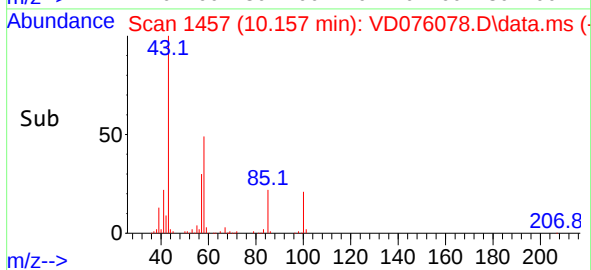
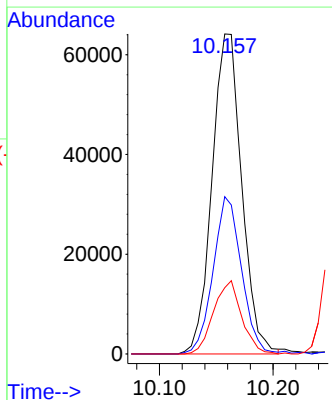
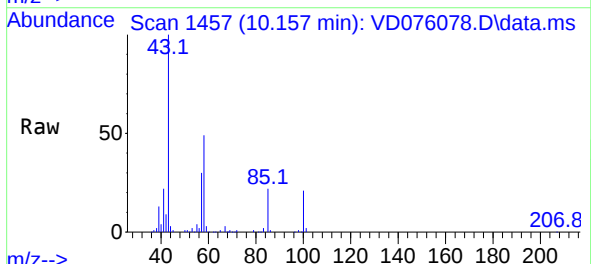
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025154

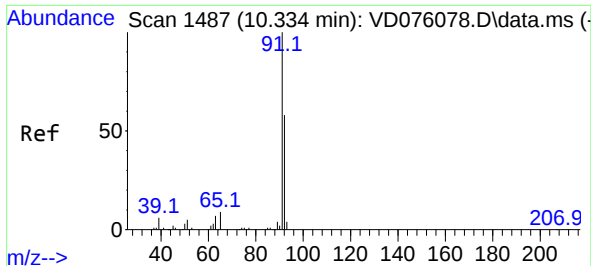
Tgt Ion: 75 Resp: 202736
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.4 43.6



#40
 4-Methyl-2-pentanone
 Concen: 52.271 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD076078.D
 Acq: 11 May 2023 14:01

Tgt Ion: 43 Resp: 116539
 Ion Ratio Lower Upper
 43 100
 58 47.0 39.1 58.7
 100 21.7 19.4 29.0

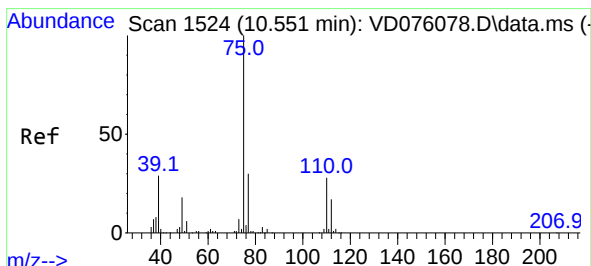
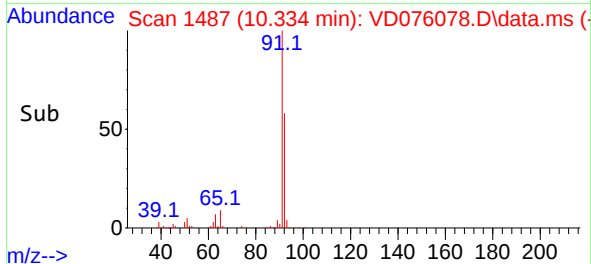
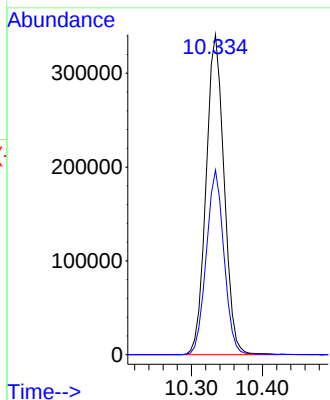
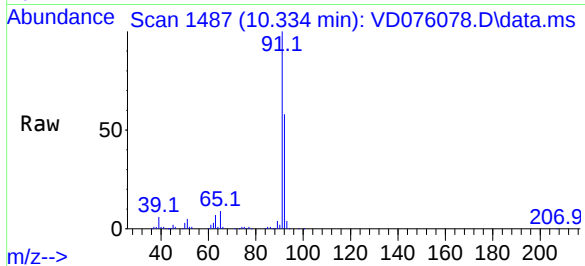




#42
Toluene
Concen: 26.034 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

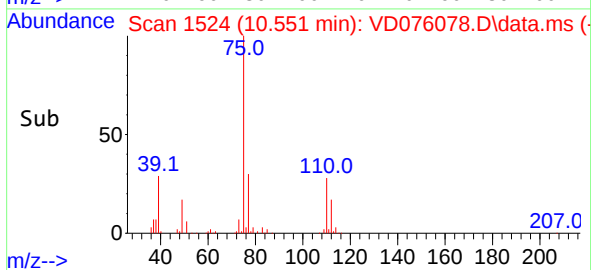
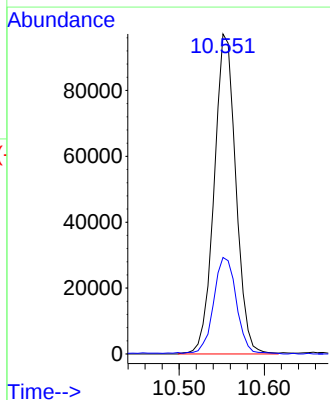
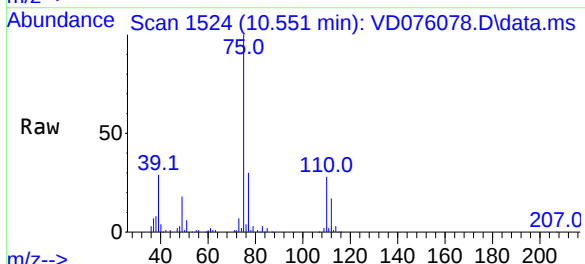
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

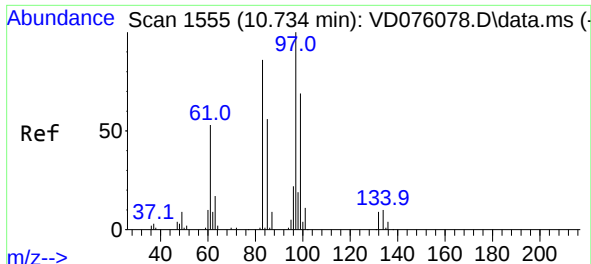
Tgt Ion: 91 Resp: 602726
Ion Ratio Lower Upper
91 100
92 57.7 39.3 72.9



#44
trans-1,3-Dichloropropene
Concen: 25.824 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 75 Resp: 171687
Ion Ratio Lower Upper
75 100
77 30.2 22.0 41.0



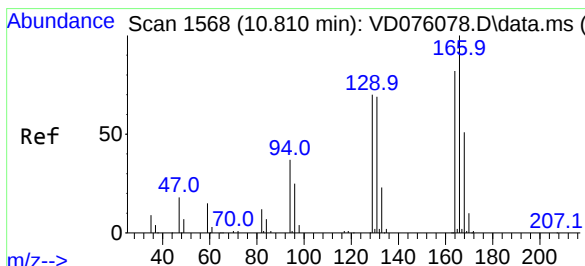
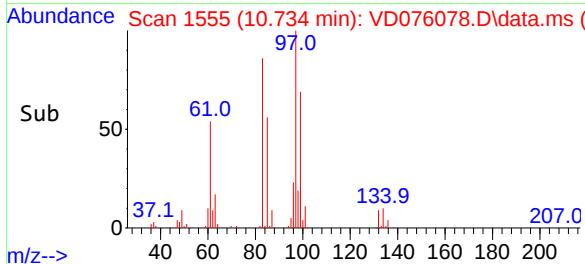
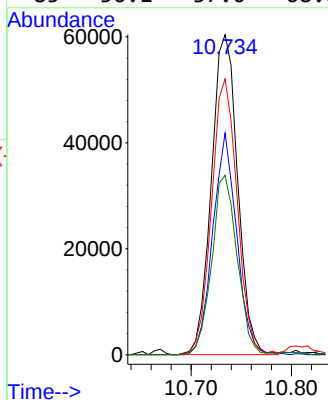
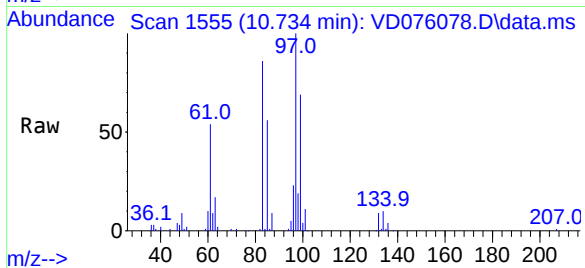


#45
1,1,2-Trichloroethane
Concen: 24.630 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

Tgt Ion: 97 Resp: 110010

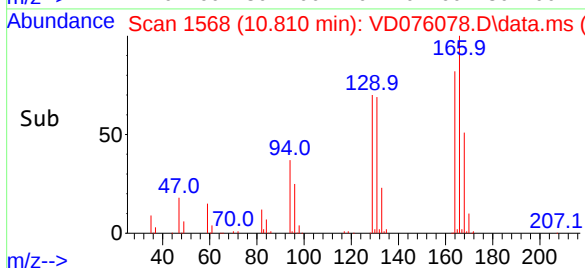
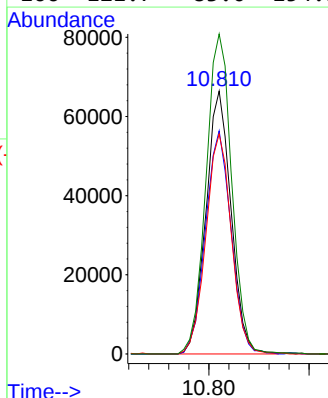
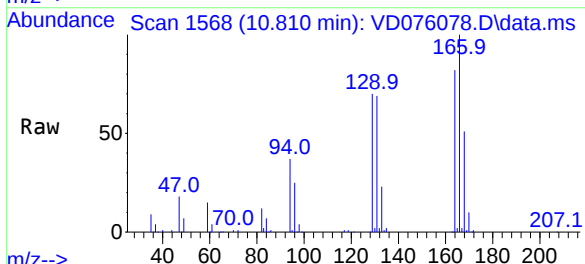
Ion	Ratio	Lower	Upper
97	100		
99	69.3	42.2	78.4
83	86.1	54.8	101.8
85	56.1	37.0	68.8

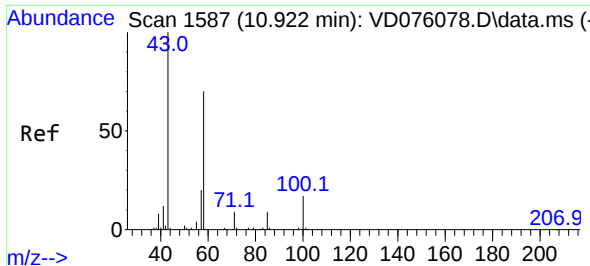


#46
Tetrachloroethene
Concen: 24.739 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 164 Resp: 115694

Ion	Ratio	Lower	Upper
164	100		
129	84.8	60.3	112.1
131	83.7	58.9	109.3
166	121.7	83.0	154.1



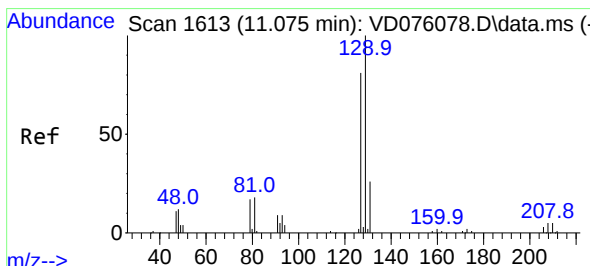
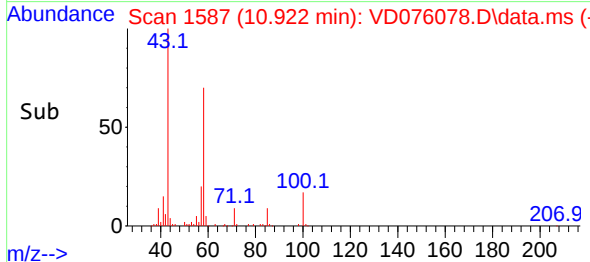
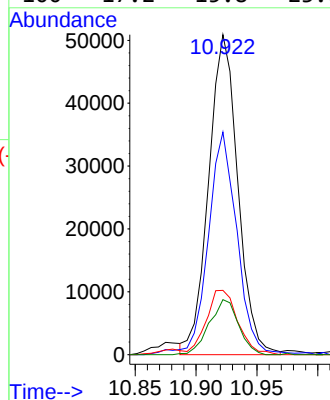
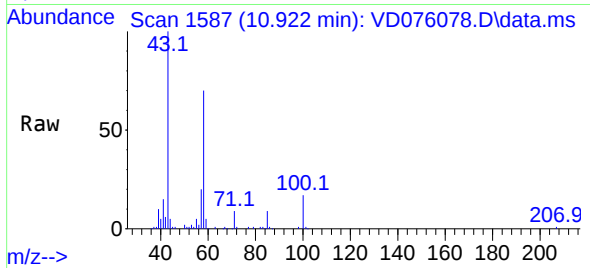


#48
2-Hexanone
Concen: 52.655 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

Tgt Ion: 43 Resp: 85191

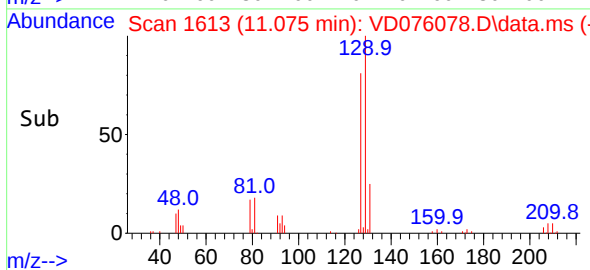
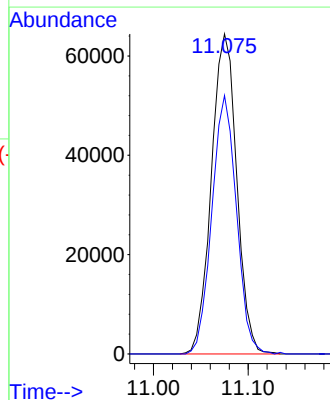
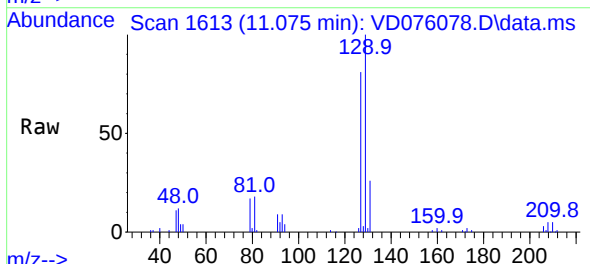
Ion	Ratio	Lower	Upper
43	100		
58	67.3	59.7	89.5
57	21.5	17.9	26.9
100	17.2	15.8	23.6

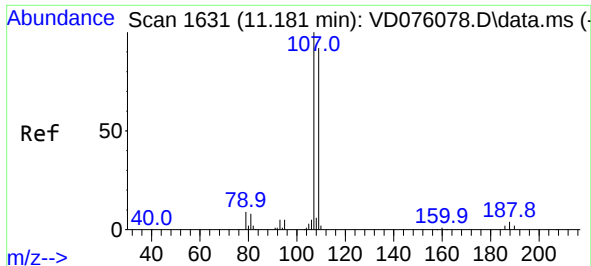


#49
Dibromochloromethane
Concen: 24.896 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 129 Resp: 119975

Ion	Ratio	Lower	Upper
129	100		
127	80.7	55.6	103.4

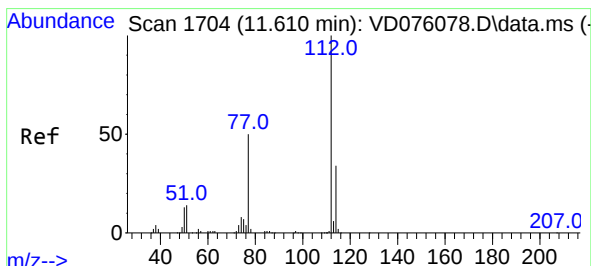
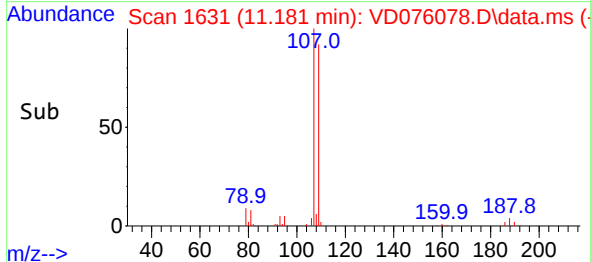
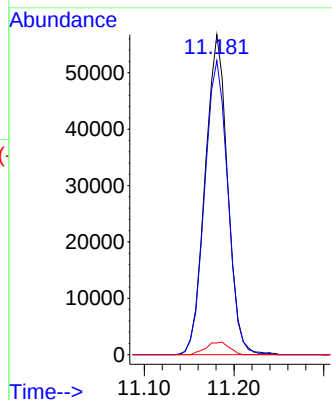
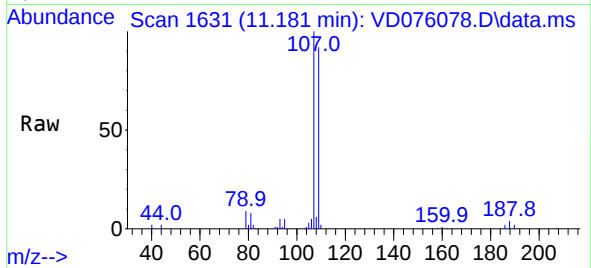




#50
1,2-Dibromoethane
Concen: 25.048 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

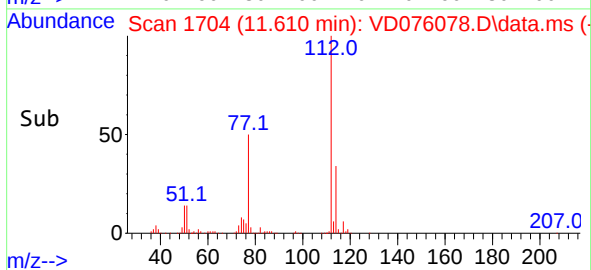
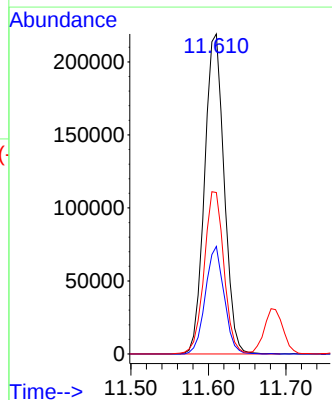
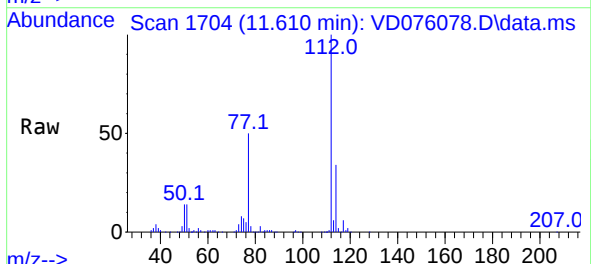
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

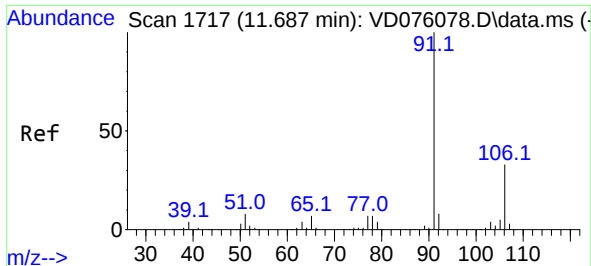
Tgt Ion:	107	Resp:	98805
Ion	Ratio	Lower	Upper
107	100		
109	91.9	67.6	125.6
188	3.6	3.0	4.6



#51
Chlorobenzene
Concen: 24.424 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion:	112	Resp:	384861
Ion	Ratio	Lower	Upper
112	100		
114	33.6	23.0	42.8
77	50.5	39.7	59.5

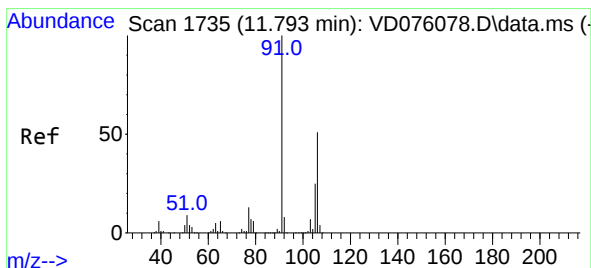
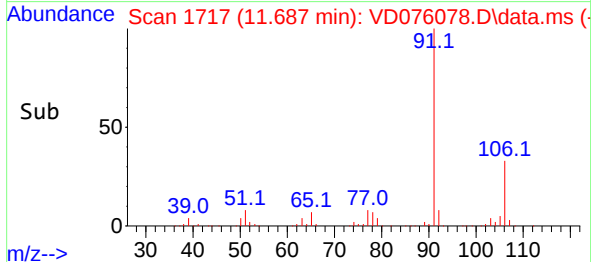
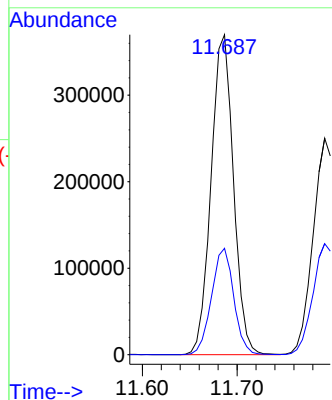
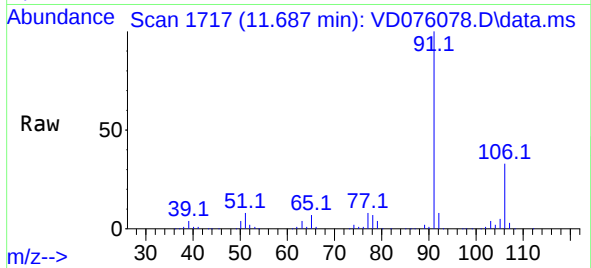




#52
Ethylbenzene
Concen: 25.296 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

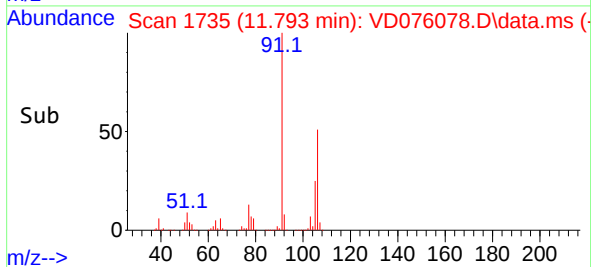
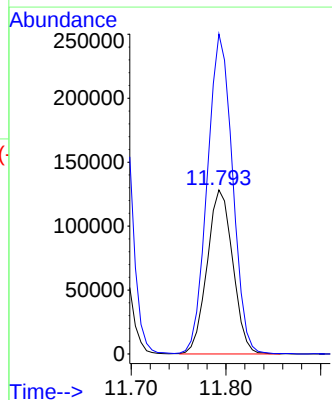
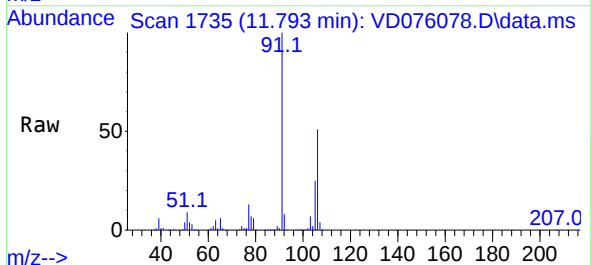
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

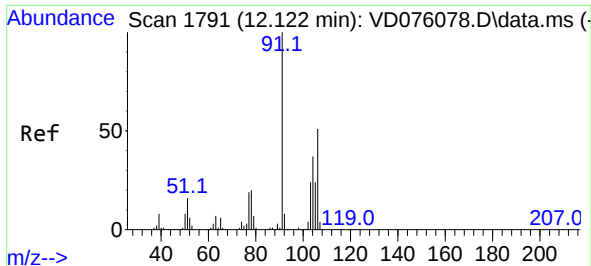
Tgt Ion: 91 Resp: 607559
Ion Ratio Lower Upper
91 100
106 33.2 23.7 43.9



#53
m,p-Xylene
Concen: 25.793 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 106 Resp: 241579
Ion Ratio Lower Upper
106 100
91 195.0 130.9 243.1

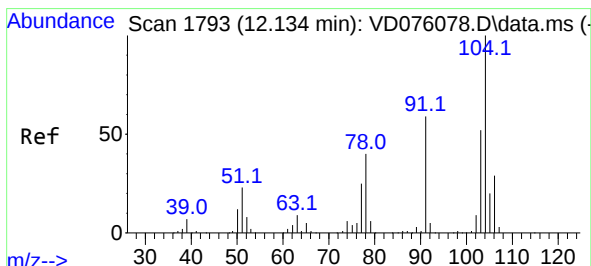
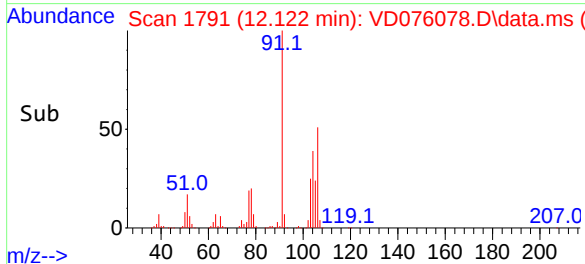
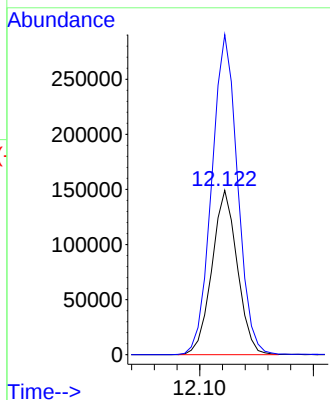
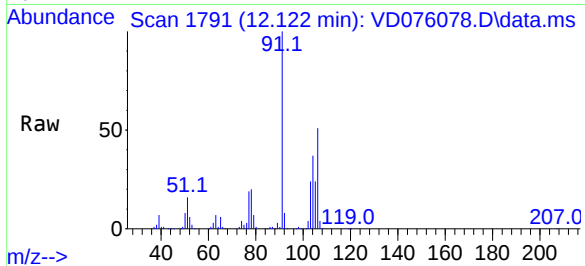




#54
o-Xylene
Concen: 26.053 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

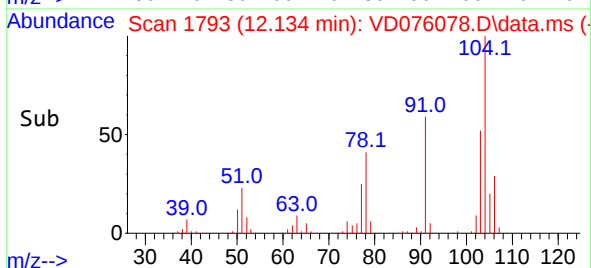
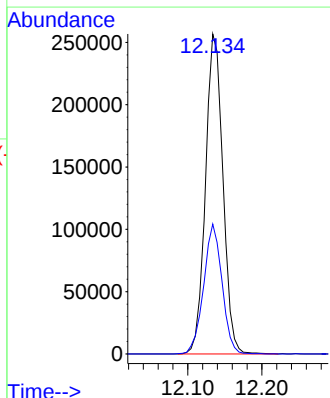
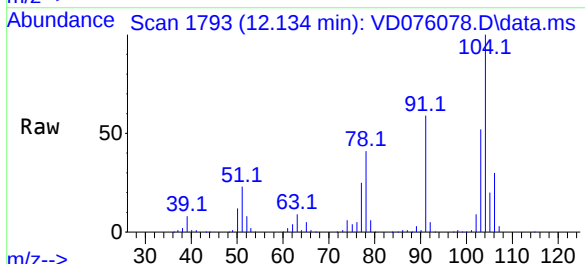
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

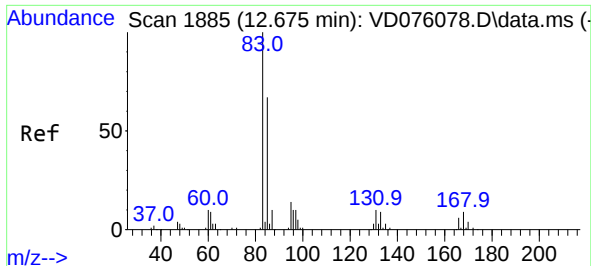
Tgt Ion:106 Resp: 231417
Ion Ratio Lower Upper
106 100
91 194.8 139.8 259.6



#55
Styrene
Concen: 26.637 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion:104 Resp: 419172
Ion Ratio Lower Upper
104 100
78 40.6 26.2 48.6

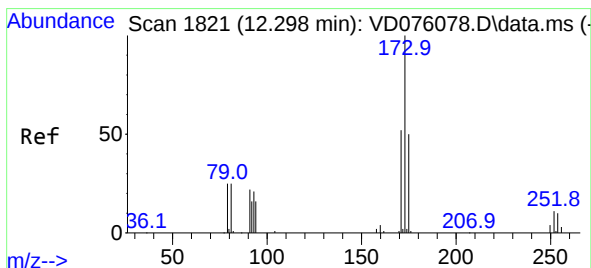
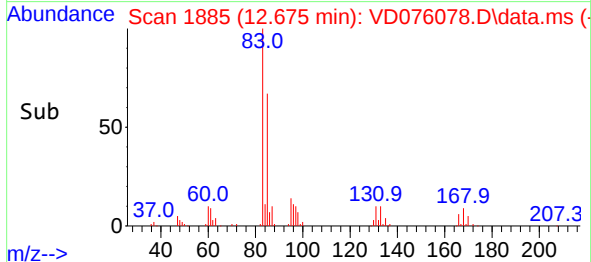
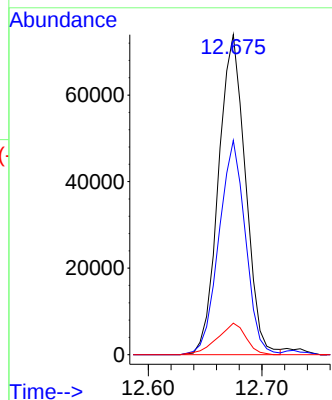
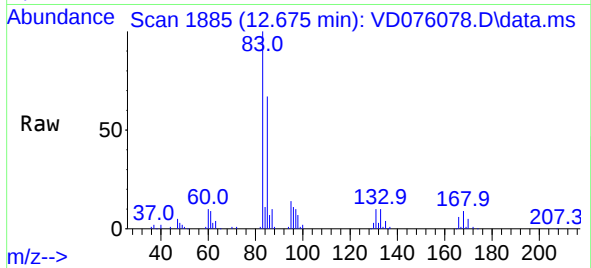




#57
1,1,2,2-Tetrachloroethane
Concen: 24.374 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

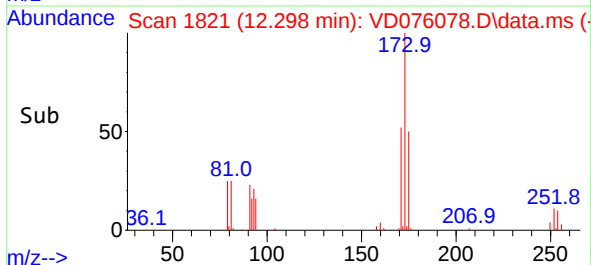
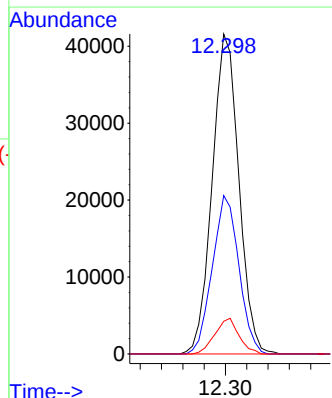
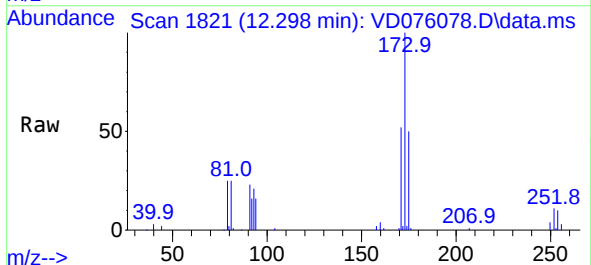
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

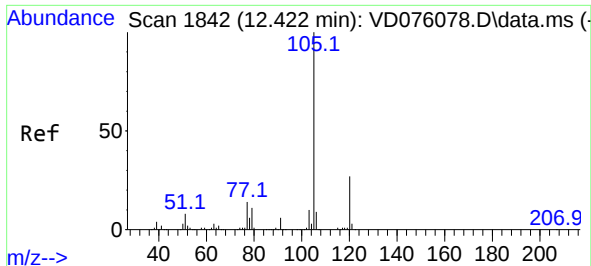
Tgt Ion: 83 Resp: 121872
Ion Ratio Lower Upper
83 100
85 66.9 45.1 83.7
131 9.9 7.0 10.6



#59
Bromoform
Concen: 25.227 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 173 Resp: 72048
Ion Ratio Lower Upper
173 100
175 49.4 39.4 59.0
254 10.1 7.4 11.2

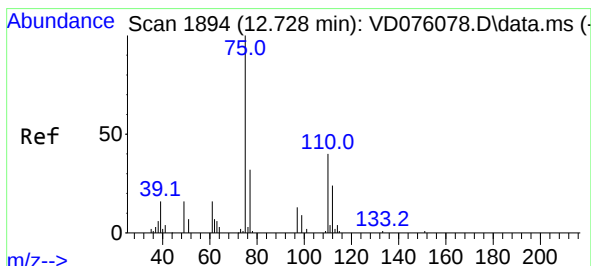
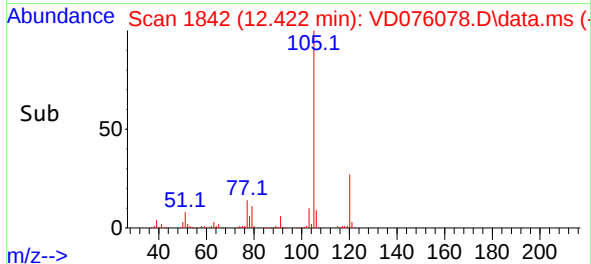
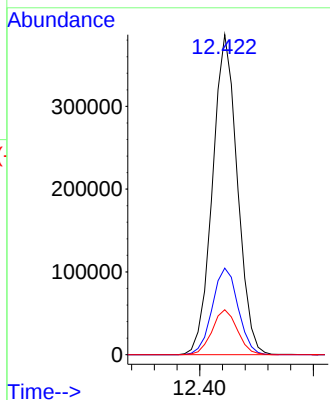
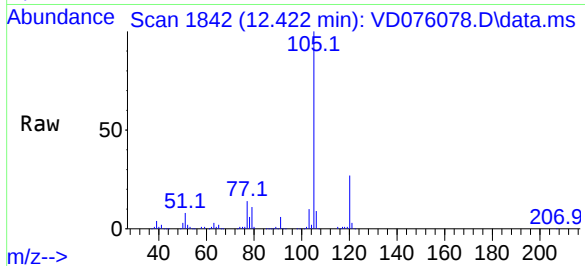




#60
Isopropylbenzene
Concen: 26.352 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

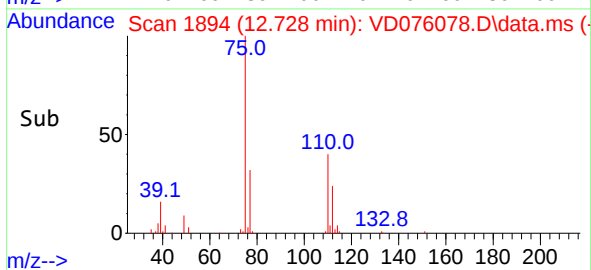
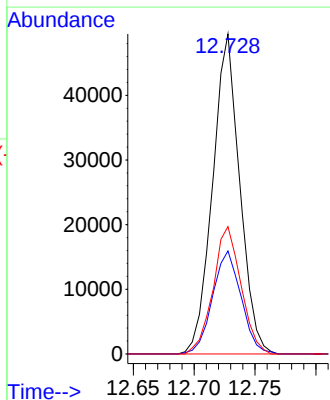
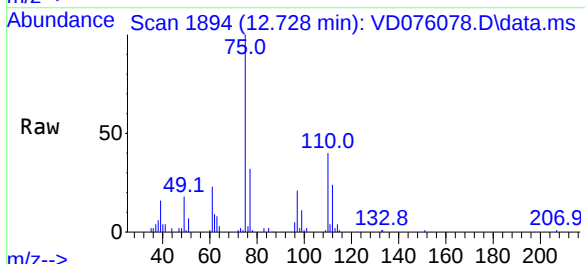
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

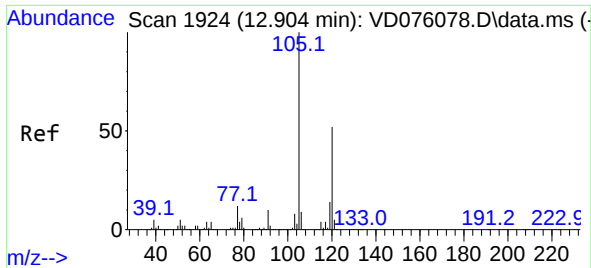
Tgt Ion:105 Resp: 588069
Ion Ratio Lower Upper
105 100
120 28.1 22.7 34.1
77 14.3 10.9 16.3



#61
1,2,3-Trichloropropane
Concen: 24.271 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion: 75 Resp: 76726
Ion Ratio Lower Upper
75 100
77 33.8 26.6 39.8
110 40.9 33.5 50.3

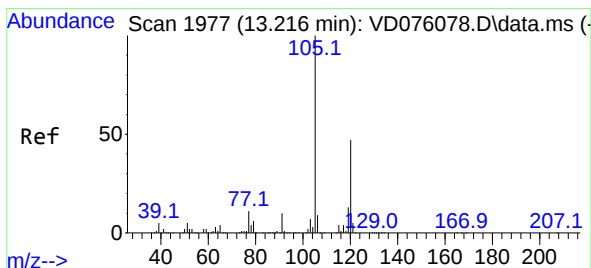
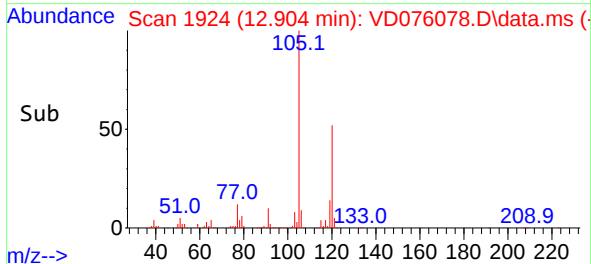
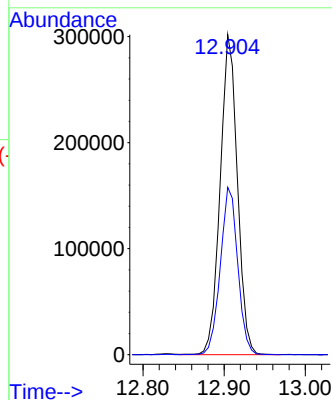
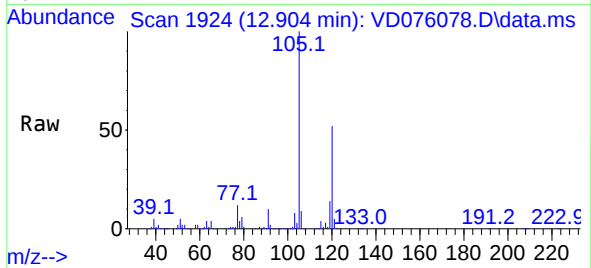




#62
1,3,5-Trimethylbenzene
Concen: 26.026 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

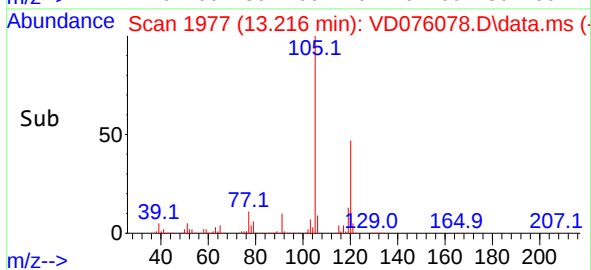
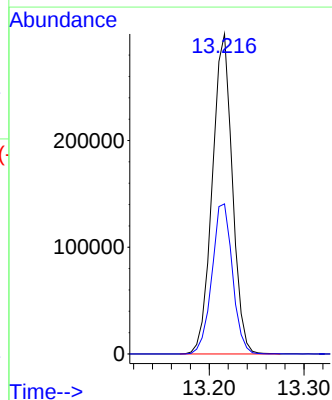
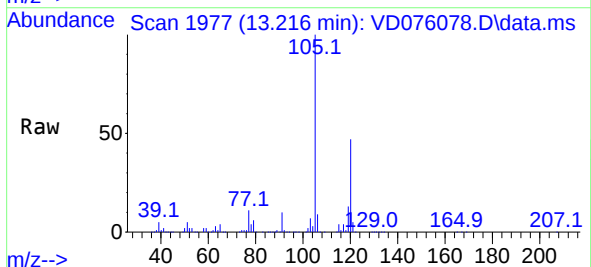
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

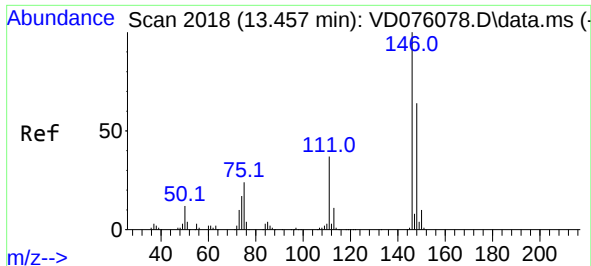
Tgt Ion:105 Resp: 445587
Ion Ratio Lower Upper
105 100
120 52.8 42.0 63.0



#63
1,2,4-Trimethylbenzene
Concen: 26.816 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion:105 Resp: 439093
Ion Ratio Lower Upper
105 100
120 48.1 39.0 58.6

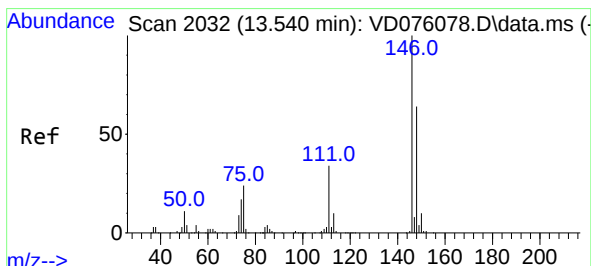
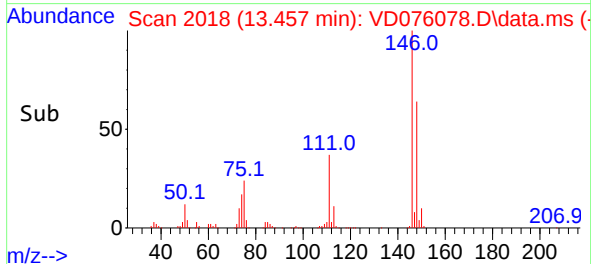
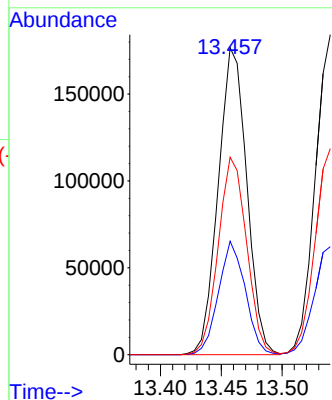
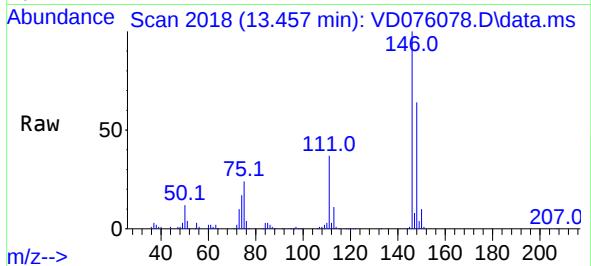




#64
1,3-Dichlorobenzene
Concen: 24.917 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

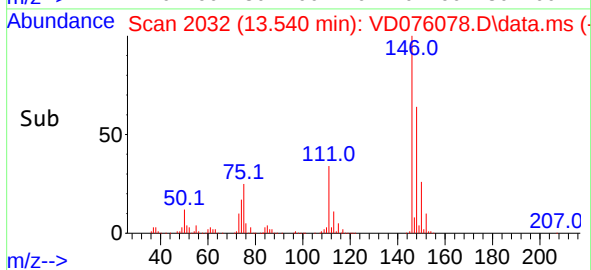
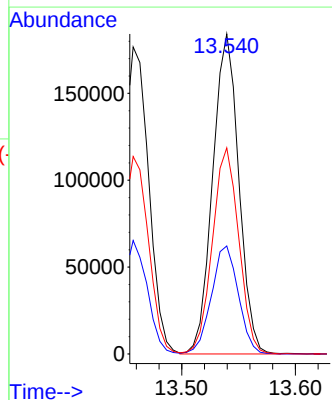
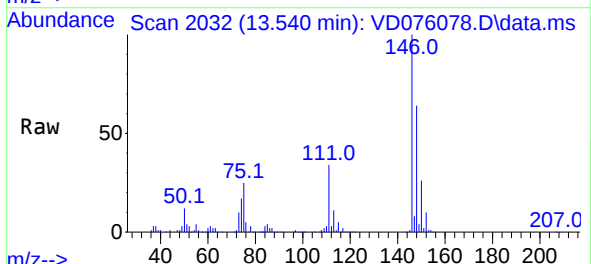
Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

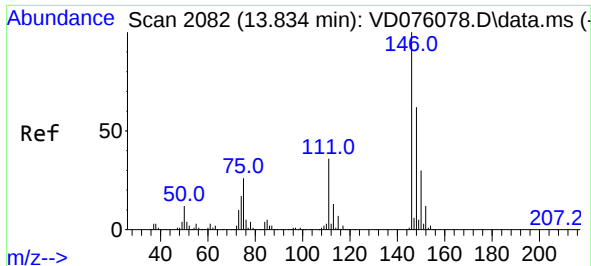
Tgt Ion:146 Resp: 288682
Ion Ratio Lower Upper
146 100
111 36.9 26.5 49.1
148 64.3 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 24.432 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion:146 Resp: 294472
Ion Ratio Lower Upper
146 100
111 33.7 24.6 45.8
148 64.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 24.185 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD076078.D

Acq: 11 May 2023 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTD025154

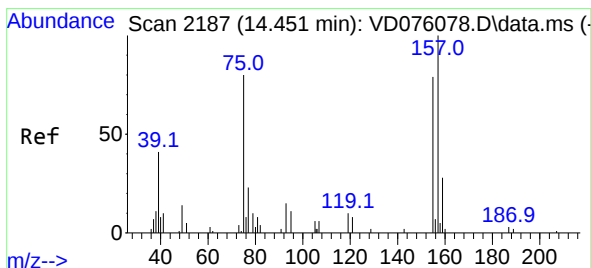
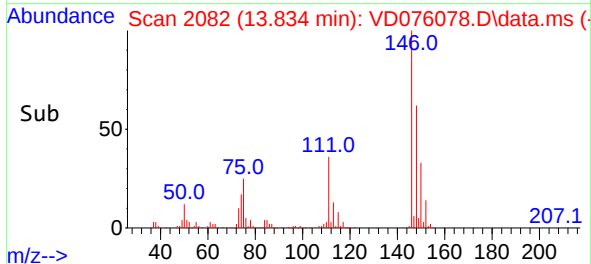
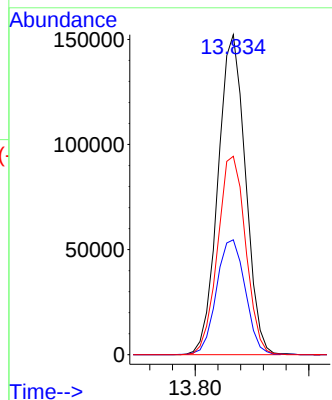
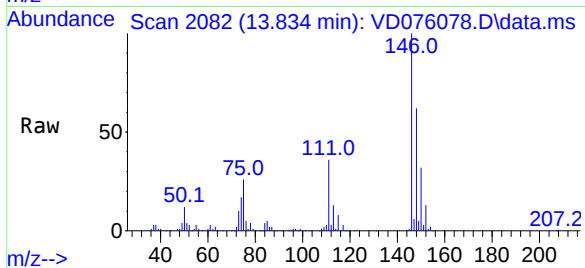
Tgt Ion:146 Resp: 255578

Ion Ratio Lower Upper

146 100

111 35.9 30.6 46.0

148 62.0 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 24.311 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD076078.D

Acq: 11 May 2023 14:01

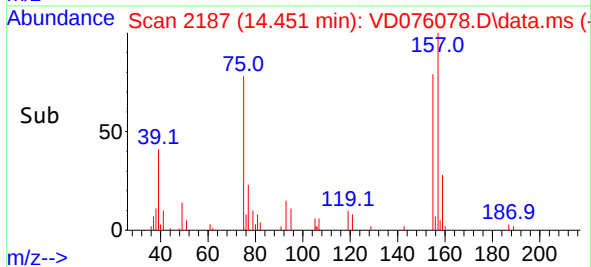
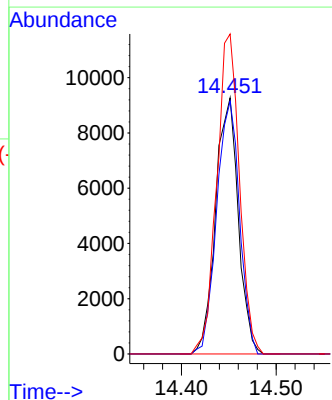
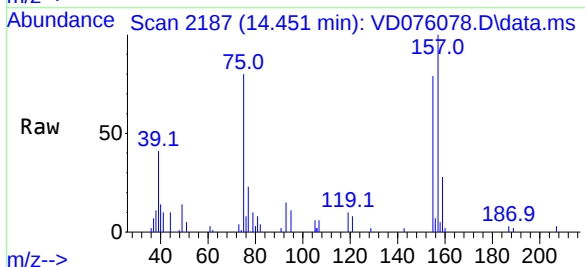
Tgt Ion: 75 Resp: 15418

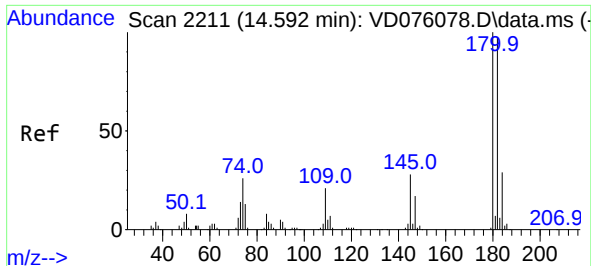
Ion Ratio Lower Upper

75 100

155 98.7 74.6 111.8

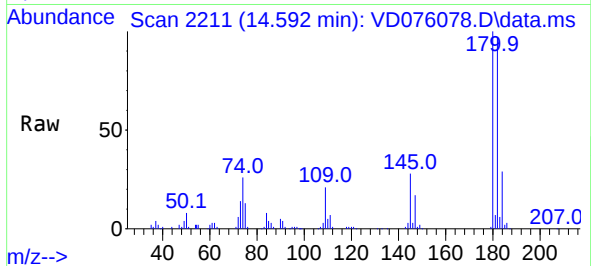
157 124.9 109.4 164.2



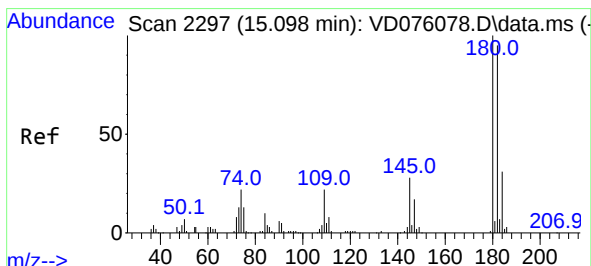
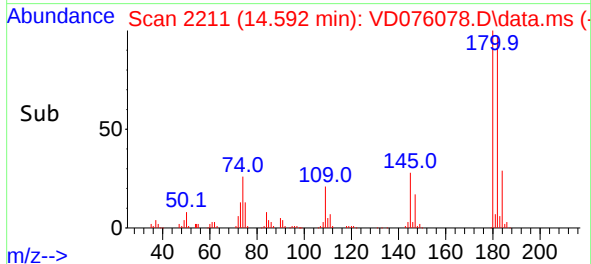
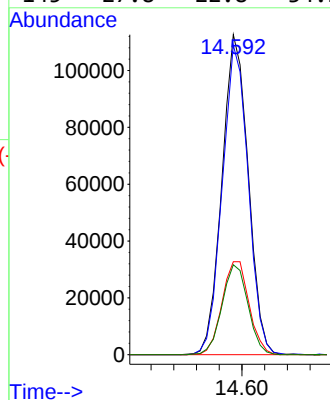


#69
1,3,5-Trichlorobenzene
Concen: 24.522 ug/L
RT: 14.592 min Scan# 211
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

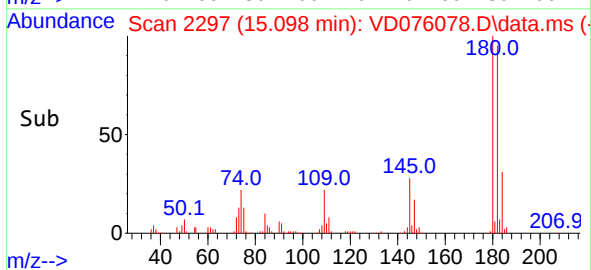
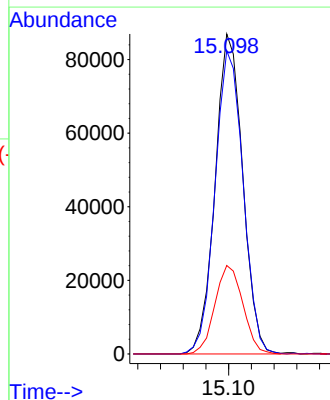
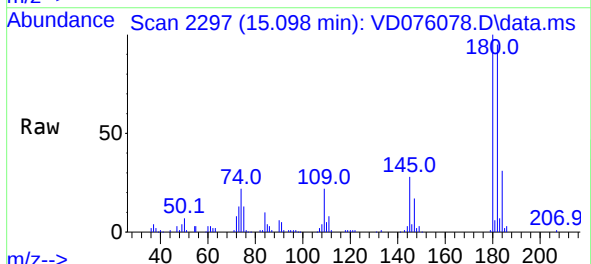


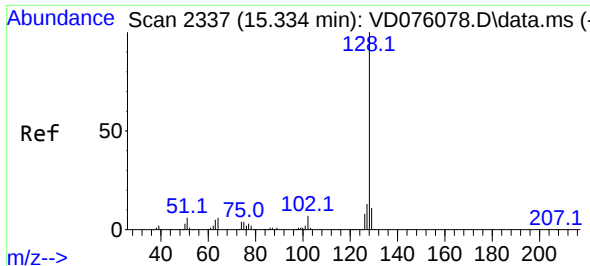
Tgt Ion:180 Resp: 180526
Ion Ratio Lower Upper
180 100
182 95.4 74.9 112.3
184 30.0 25.0 37.4
145 27.8 22.8 34.2



#70
1,2,4-trichlorobenzene
Concen: 25.132 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion:180 Resp: 146430
Ion Ratio Lower Upper
180 100
182 96.5 75.4 113.2
145 28.1 23.6 35.4



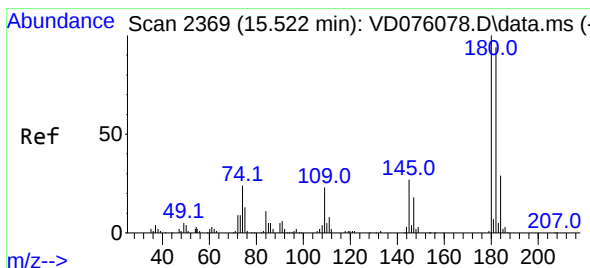
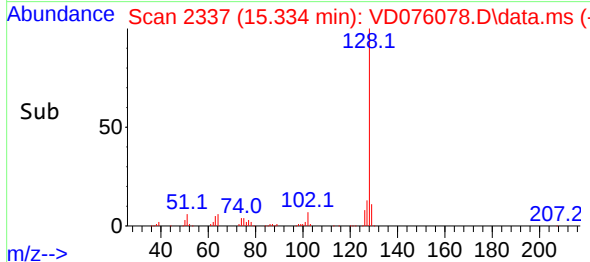
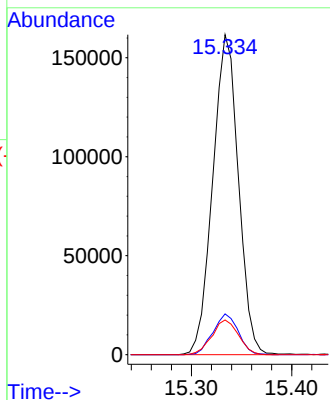
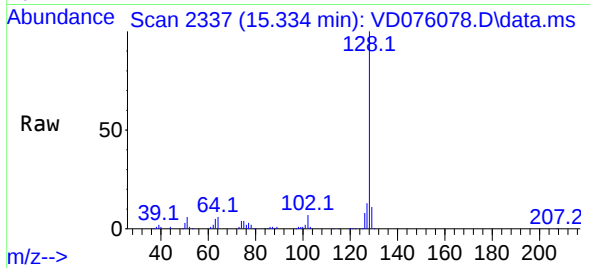


#71
Naphthalene
Concen: 26.167 ug/L
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTD025154

Tgt Ion:128 Resp: 286502

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.3	9.1	13.7



#72
1,2,3-Trichlorobenzene
Concen: 26.446 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD076078.D
Acq: 11 May 2023 14:01

Tgt Ion:180 Resp: 140118

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.3	114.5
145	28.2	25.0	37.6

