

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090123\
 Data File : VD077078.D
 Acq On : 01 Sep 2023 09:57
 Operator : JC/SY
 Sample : VSTD2.564
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 02 01:20:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 02 01:20:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	283976	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	278808	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	143248	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	13911	1.686	ug/L	0.00
7) Chloroethane-d5	2.805	69	11796	1.591	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.917	65	3308	1.724	ug/L	0.00
21) 2-Butanone-d5	6.993	46	3820	3.117	ug/L	0.00
24) Chloroform-d	7.569	84	16897	1.791	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	7286	1.559	ug/L	0.00
32) Benzene-d6	8.199	84	32102	1.777	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	9497	1.740	ug/L	0.00
41) Toluene-d8	10.263	98	26771	1.618	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	3950	1.586	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	2487	2.484	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	8974	1.732	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	9617	1.805	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	8545	1.826	ug/L	89
3) Chloromethane	2.146	50	16022	2.618	ug/L	93
5) Vinyl chloride	2.281	62	17238	1.984	ug/L	98
6) Bromomethane	2.693	94	11461	1.792	ug/L	90
8) Chloroethane	2.834	64	11004	1.896	ug/L	95
9) Trichlorofluoromethane	3.170	101	16188	2.223	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	9975	2.106	ug/L #	55
12) 1,1-Dichloroethene	3.934	96	9250	2.198	ug/L	94
13) Acetone	4.022	43	8740	6.838	ug/L	92
14) Carbon disulfide	4.269	76	29865	2.082	ug/L	98
15) Methyl Acetate	4.558	43	2358	1.114	ug/L #	80
16) Methylene chloride	4.805	84	15510	2.587	ug/L	94
17) trans-1,2-Dichloroethene	5.305	96	9113	1.931	ug/L	99
18) Methyl tert-butyl Ether	5.328	73	21405	2.075	ug/L #	89
19) 1,1-Dichloroethane	6.116	63	16524	2.089	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	11562	2.183	ug/L	89
22) 2-Butanone	7.075	43	6356	3.612	ug/L	88
23) Bromochloromethane	7.422	128	5279	2.055	ug/L	91
25) Chloroform	7.593	83	18475	2.127	ug/L	82
27) 1,2-Dichloroethane	8.328	62	11199	2.074	ug/L	97
29) Cyclohexane	7.875	56	11064	1.816	ug/L #	65
30) 1,1,1-Trichloroethane	7.787	97	16023	2.291	ug/L	97
31) Carbon tetrachloride	7.993	117	13057	2.268	ug/L	100
33) Benzene	8.252	78	38042	2.076	ug/L	100
34) Trichloroethene	9.022	95	10700	2.233	ug/L #	81
35) Methylcyclohexane	9.275	83	15422	1.996	ug/L #	82
37) 1,2-Dichloropropane	9.304	63	10637	2.293	ug/L	99
38) Bromodichloromethane	9.587	83	13994	2.188	ug/L #	98
39) cis-1,3-Dichloropropene	10.010	75	14438	1.928	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	11356	3.943	ug/L	96
42) Toluene	10.328	91	40036	2.010	ug/L	91
44) trans-1,3-Dichloropropene	10.551	75	13205	2.022	ug/L	98

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

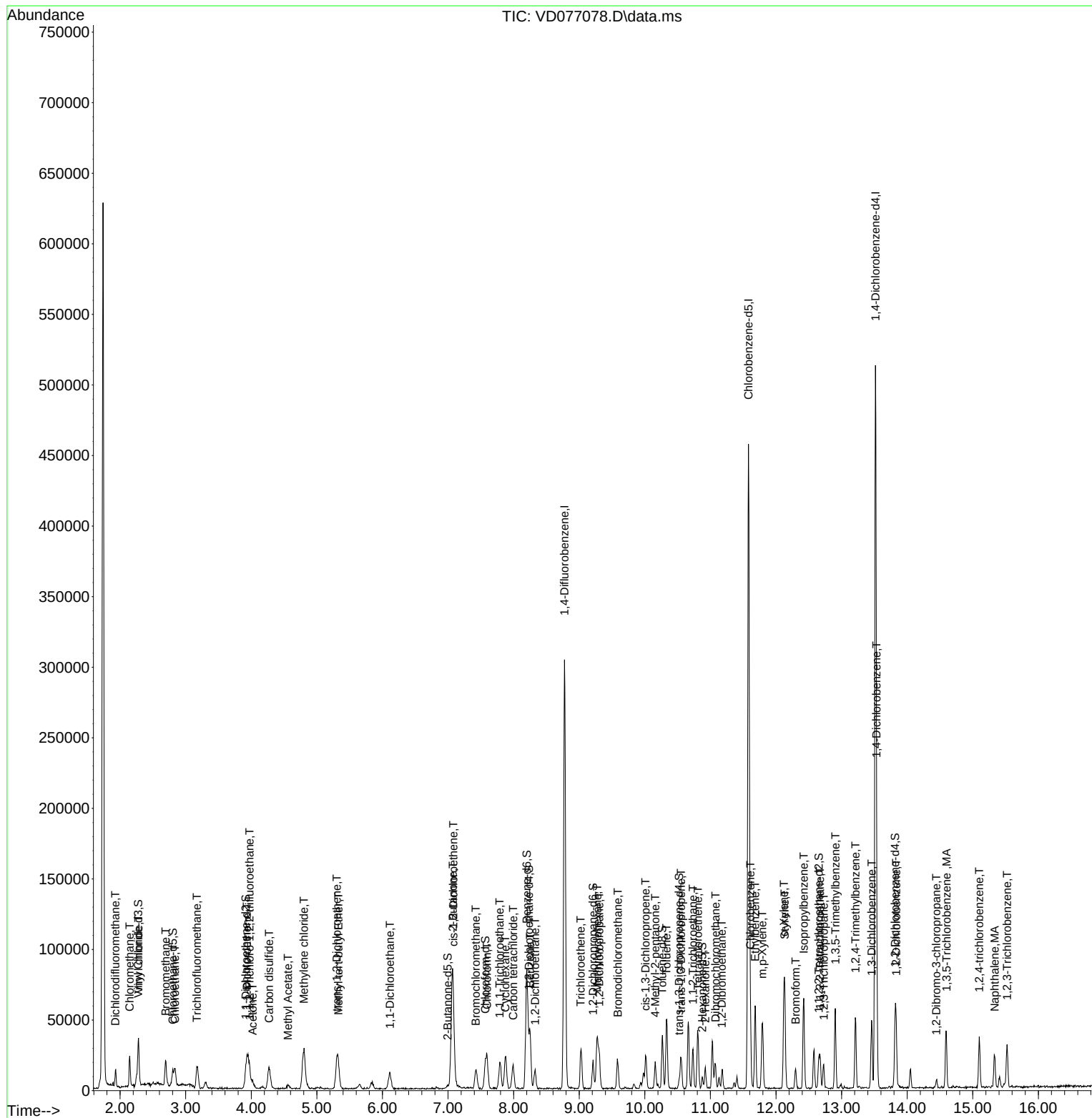
45) 1,1,2-Trichloroethane	10.734	97	8684	2.132	ug/L	94
46) Tetrachloroethene	10.810	164	8607	2.361	ug/L	94
48) 2-Hexanone	10.922	43	8626	3.908	ug/L	92
49) Dibromochloromethane	11.081	129	10429	2.260	ug/L	79
50) 1,2-Dibromoethane	11.175	107	8924	2.229	ug/L #	76
51) Chlorobenzene	11.610	112	28551	2.178	ug/L	96
52) Ethylbenzene	11.681	91	43156	2.029	ug/L	96
53) m,p-Xylene	11.793	106	16578	2.013	ug/L	95
54) o-Xylene	12.122	106	15251	1.925	ug/L	95
55) Styrene	12.134	104	26806	1.874	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.669	83	10426	2.077	ug/L #	91
59) Bromoform	12.298	173	6568	2.306	ug/L #	95
60) Isopropylbenzene	12.422	105	39546	1.927	ug/L	95
61) 1,2,3-Trichloropropane	12.728	75	7240	2.218	ug/L #	91
62) 1,3,5-Trimethylbenzene	12.904	105	29038	1.850	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	27432	1.763	ug/L	92
64) 1,3-Dichlorobenzene	13.457	146	20632	2.185	ug/L	92
65) 1,4-Dichlorobenzene	13.534	146	22841	2.348	ug/L	94
67) 1,2-Dichlorobenzene	13.834	146	19058	2.161	ug/L	86
68) 1,2-Dibromo-3-chloropr...	14.445	75	1320	1.747	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.598	180	13893	2.343	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	11913	2.291	ug/L	97
71) Naphthalene	15.334	128	22086	1.852	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.522	180	10908	2.320	ug/L	95

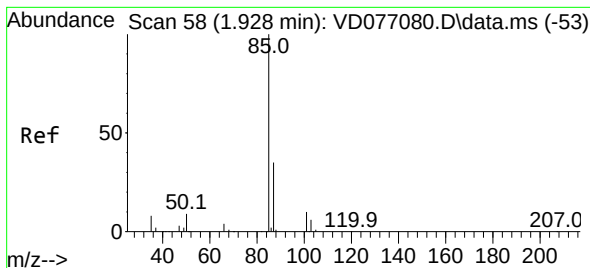
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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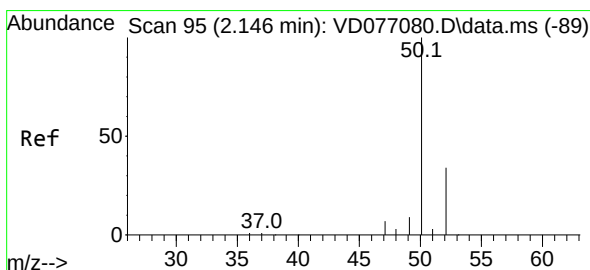
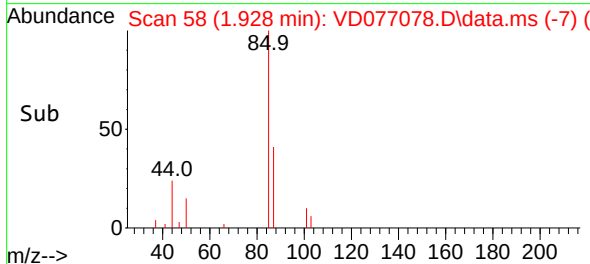
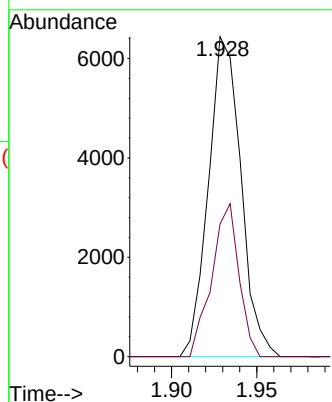
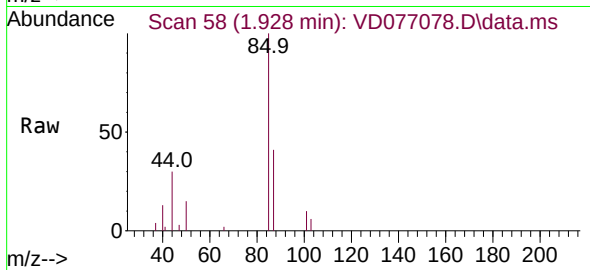




#2
 Dichlorodifluoromethane
 Concen: 1.826 ug/L
 RT: 1.928 min Scan# 58
 Delta R.T. 0.000 min
 Lab File: VD077078.D
 Acq: 01 Sep 2023 09:57

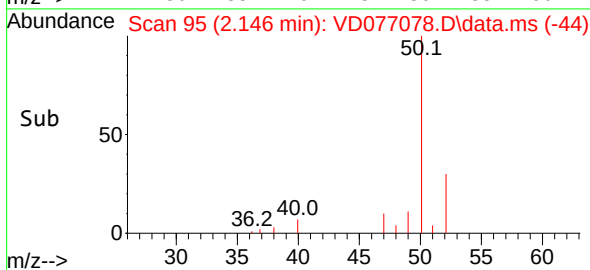
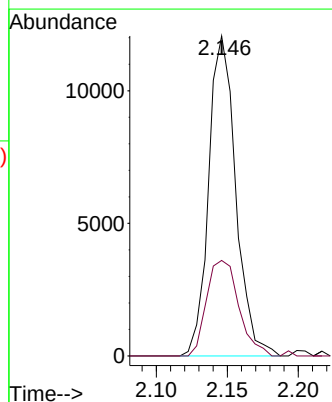
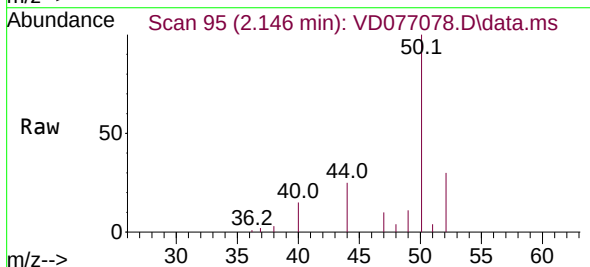
Instrument :
 MSVOA_D
 ClientSampleId :

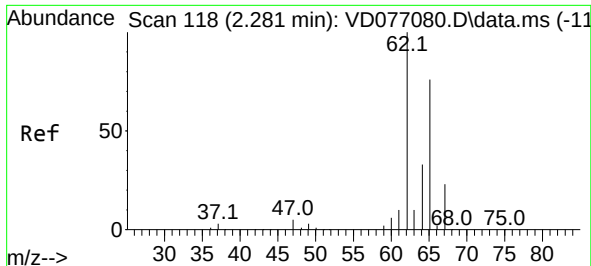
Tgt Ion: 85 Resp: 8545
 Ion Ratio Lower Upper
 85 100
 87 40.0 27.0 40.6



#3
 Chloromethane
 Concen: 2.618 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD077078.D
 Acq: 01 Sep 2023 09:57

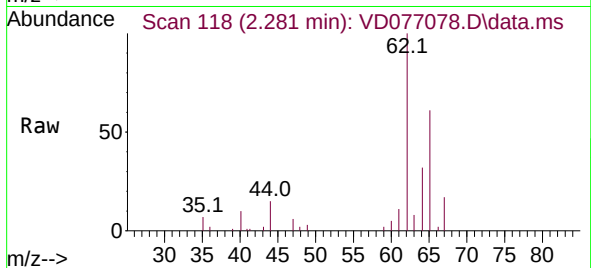
Tgt Ion: 50 Resp: 16022
 Ion Ratio Lower Upper
 50 100
 52 29.9 23.5 43.7



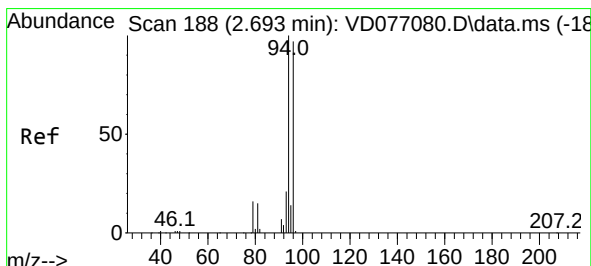
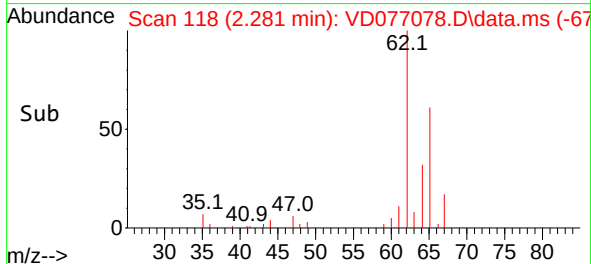
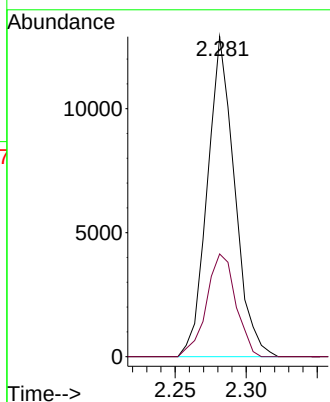


#5
 Vinyl chloride
 Concen: 1.984 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD077078.D
 Acq: 01 Sep 2023 09:57

Instrument :
 MSVOA_D
 ClientSampleId :

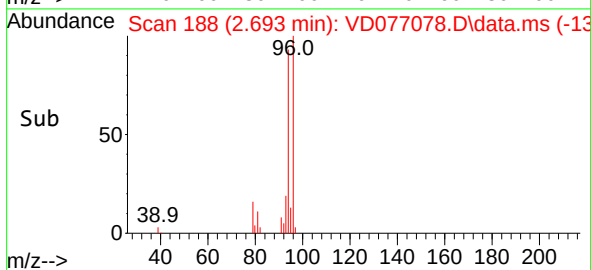
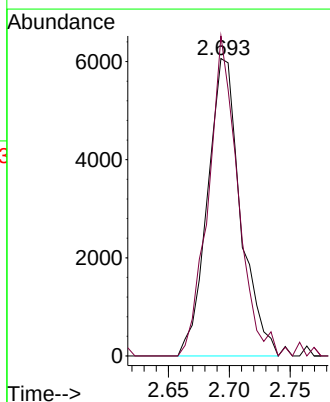
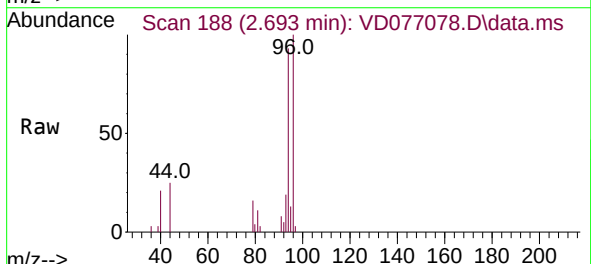


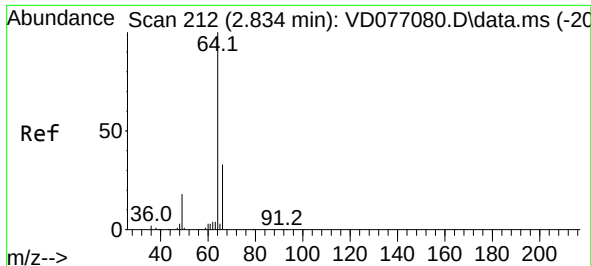
Tgt Ion: 62 Resp: 17238
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.2 43.2



#6
 Bromomethane
 Concen: 1.792 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD077078.D
 Acq: 01 Sep 2023 09:57

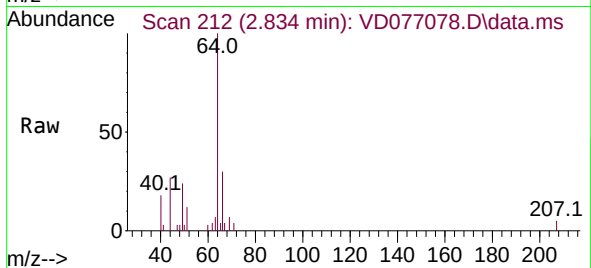
Tgt Ion: 94 Resp: 11461
 Ion Ratio Lower Upper
 94 100
 96 107.6 68.2 126.6



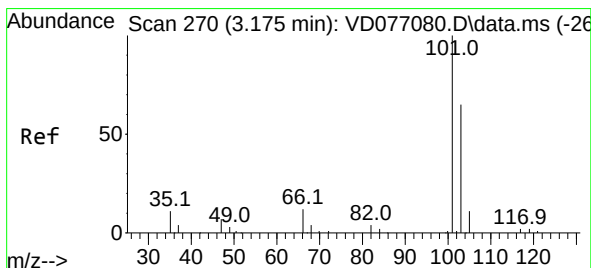
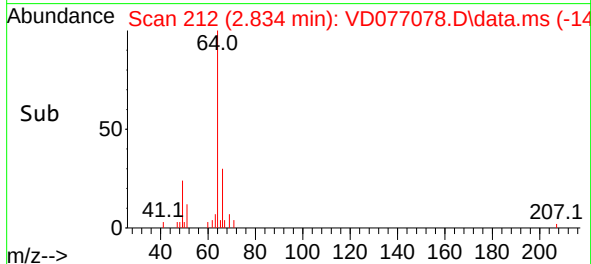
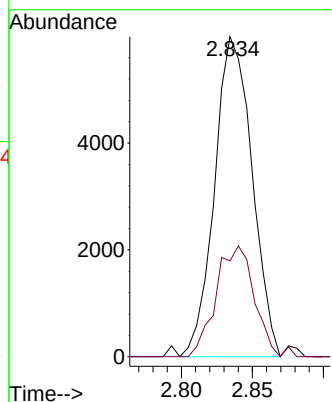


#8
Chloroethane
Concen: 1.896 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Instrument :
MSVOA_D
ClientSampleId :

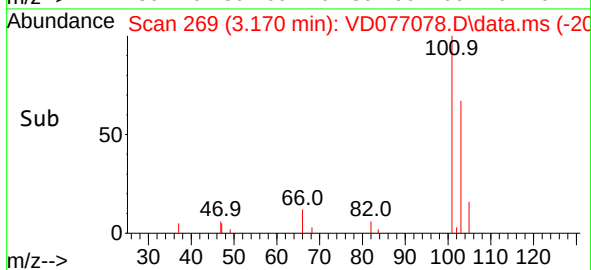
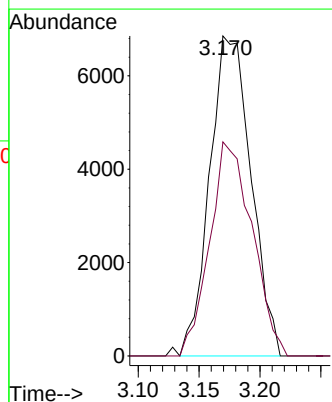
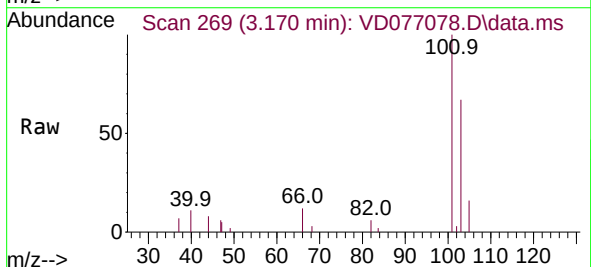


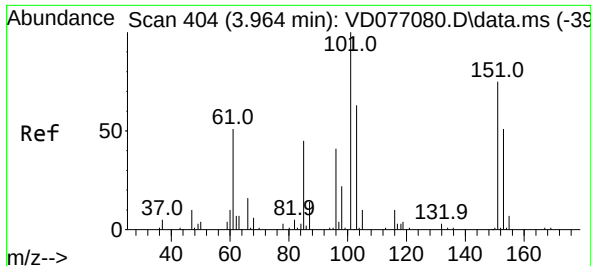
Tgt Ion: 64 Resp: 11004
Ion Ratio Lower Upper
64 100
66 29.9 23.0 42.6



#9
Trichlorofluoromethane
Concen: 2.223 ug/L
RT: 3.170 min Scan# 269
Delta R.T. -0.006 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Tgt Ion: 101 Resp: 16188
Ion Ratio Lower Upper
101 100
103 68.7 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.106 ug/L

RT: 3.975 min Scan# 404

Delta R.T. 0.012 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

ClientSampleId :

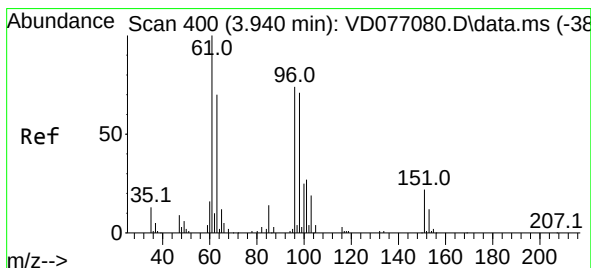
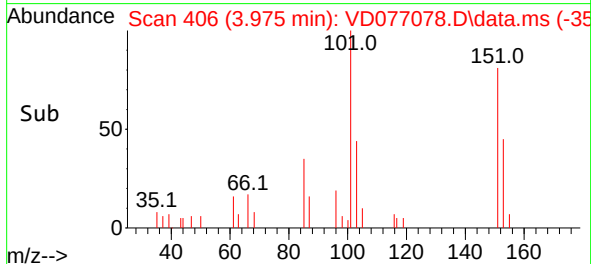
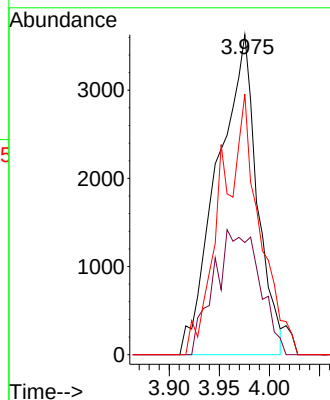
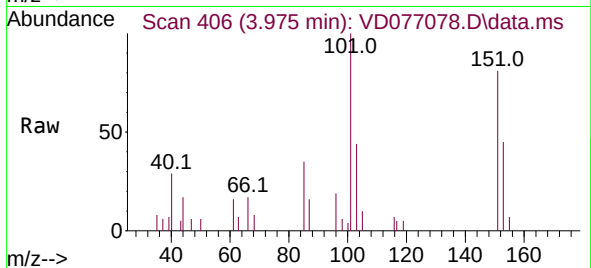
Tgt Ion:101 Resp: 9975

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.2#

151 46.0 59.6 89.4#



#12

1,1-Dichloroethene

Concen: 2.198 ug/L

RT: 3.934 min Scan# 399

Delta R.T. -0.006 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

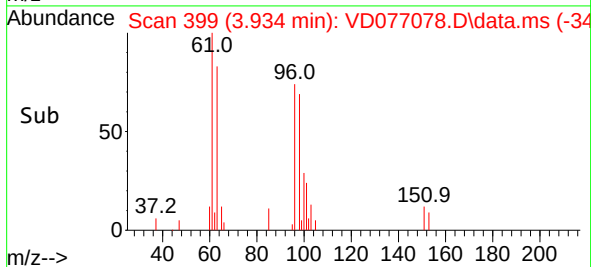
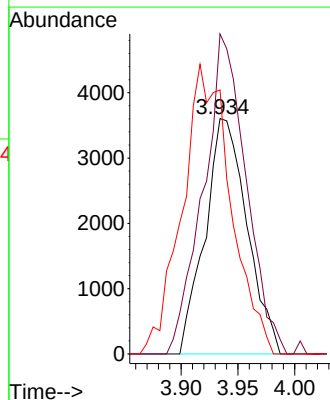
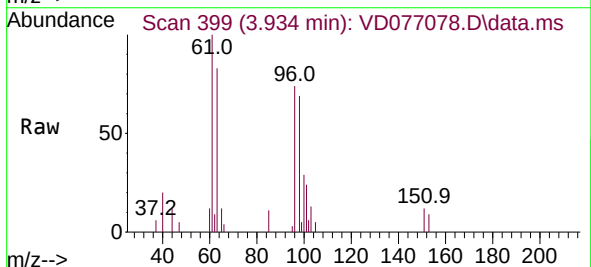
Tgt Ion: 96 Resp: 9250

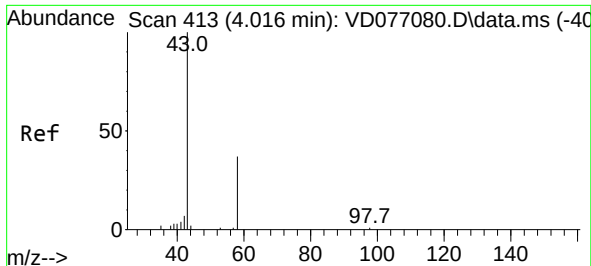
Ion Ratio Lower Upper

96 100

61 136.0 95.5 177.3

63 112.2 68.6 127.4





#13

Acetone

Concen: 6.838 ug/L

RT: 4.022 min Scan# 413

Delta R.T. 0.006 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

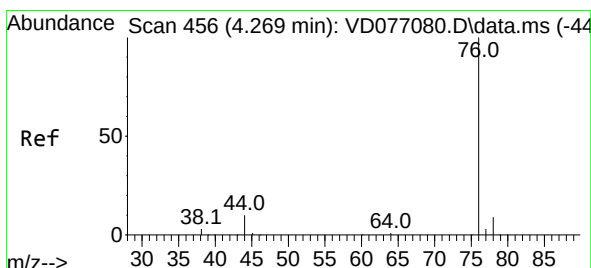
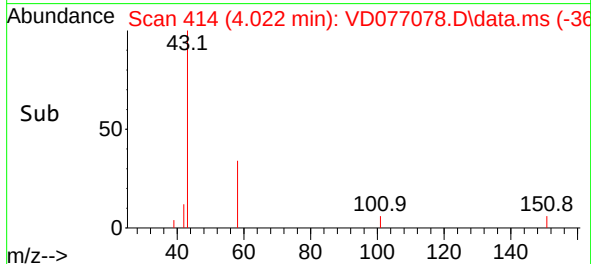
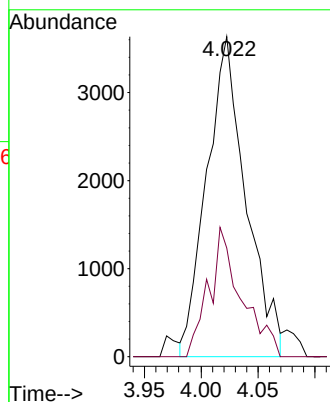
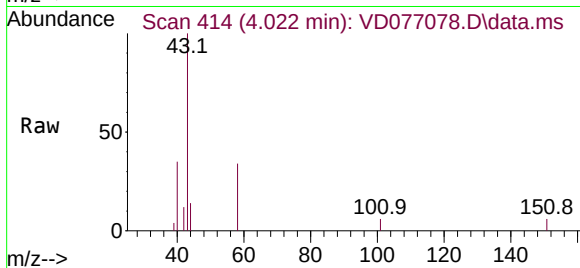
ClientSampleId :

Tgt Ion: 43 Resp: 8740

Ion Ratio Lower Upper

43 100

58 31.1 0.0 71.8



#14

Carbon disulfide

Concen: 2.082 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD077078.D

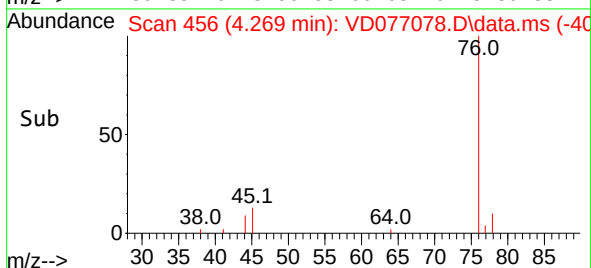
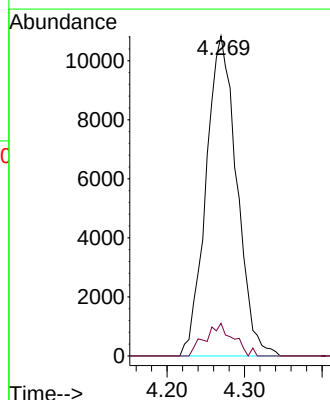
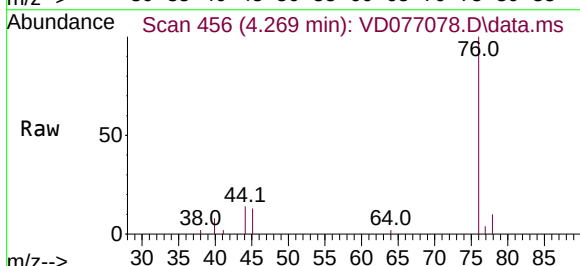
Acq: 01 Sep 2023 09:57

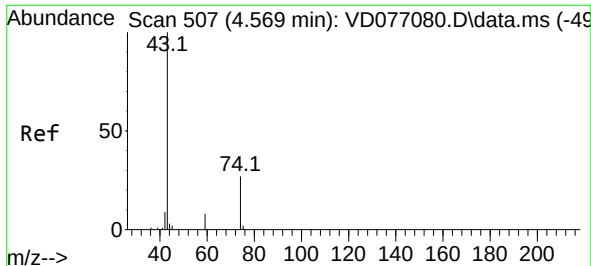
Tgt Ion: 76 Resp: 29865

Ion Ratio Lower Upper

76 100

78 10.2 7.5 11.3

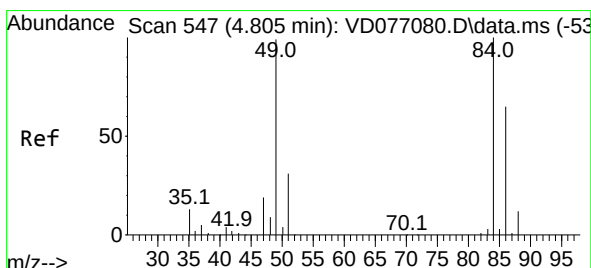
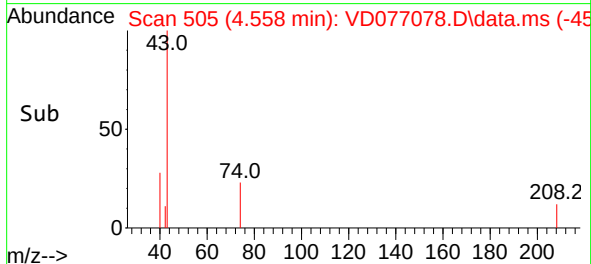
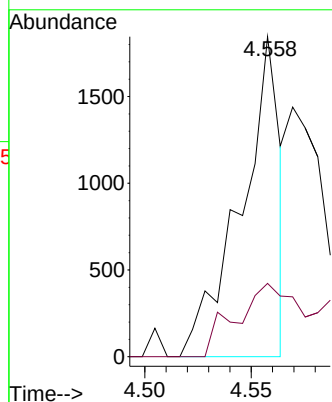
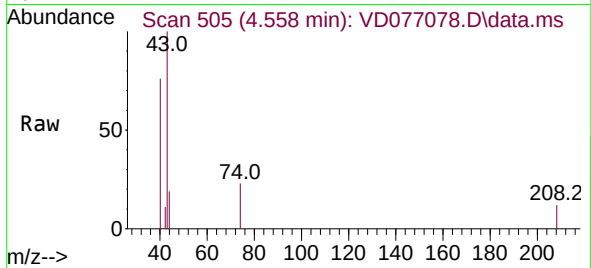




#15
Methyl Acetate
Concen: 1.114 ug/L
RT: 4.558 min Scan# 507
Delta R.T. -0.012 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

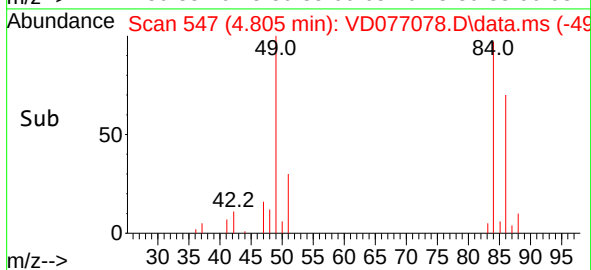
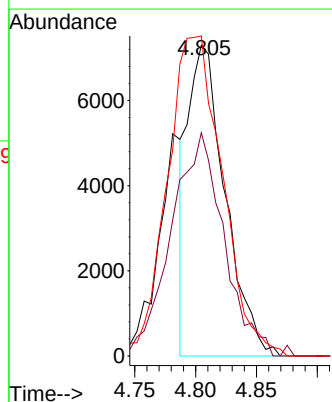
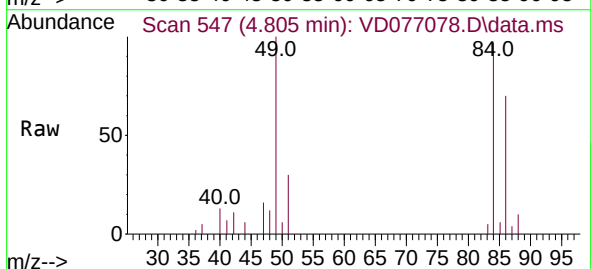
Instrument :
MSVOA_D
ClientSampleId :

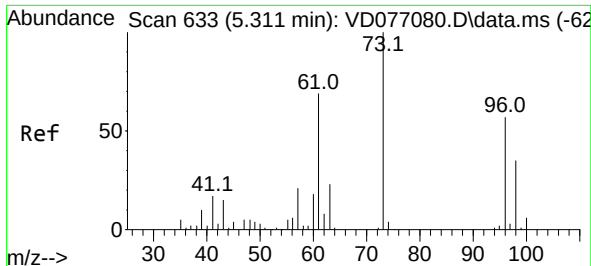
Tgt Ion: 43 Resp: 2358
Ion Ratio Lower Upper
43 100
74 25.4 0.2 0.2#



#16
Methylene chloride
Concen: 2.587 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Tgt Ion: 84 Resp: 15510
Ion Ratio Lower Upper
84 100
86 71.9 45.3 84.1
49 103.1 69.2 128.6





#17

trans-1,2-Dichloroethene

Concen: 1.931 ug/L

RT: 5.305 min Scan# 611

Delta R.T. -0.006 min

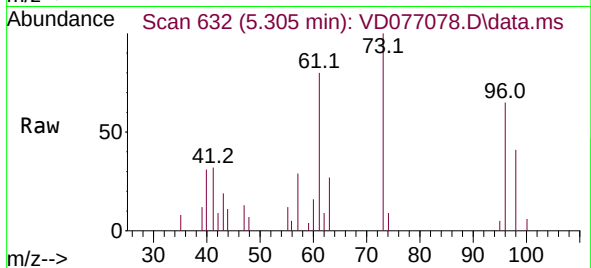
Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

ClientSampleId :



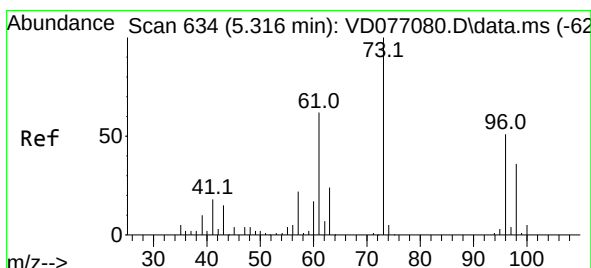
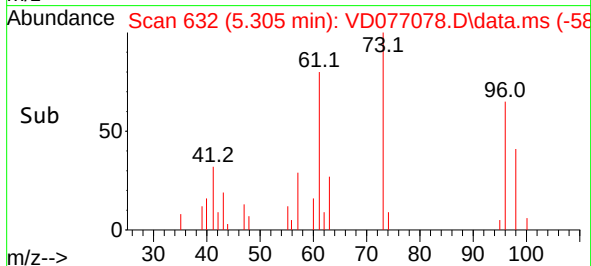
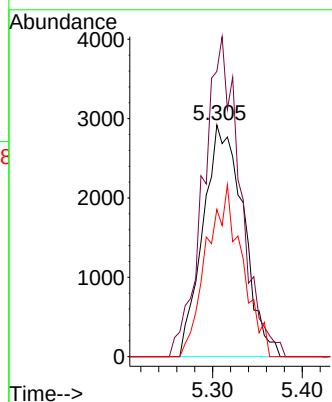
Tgt Ion: 96 Resp: 9113

Ion Ratio Lower Upper

96 100

61 123.1 85.1 158.1

98 63.6 43.7 81.1



#18

Methyl tert-butyl Ether

Concen: 2.075 ug/L

RT: 5.328 min Scan# 636

Delta R.T. 0.012 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

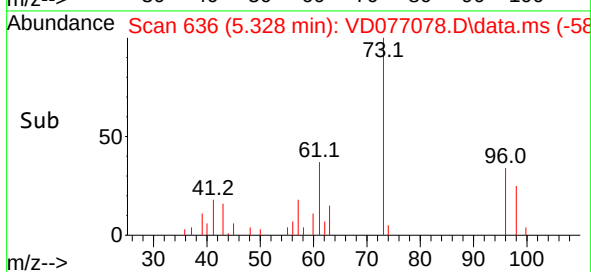
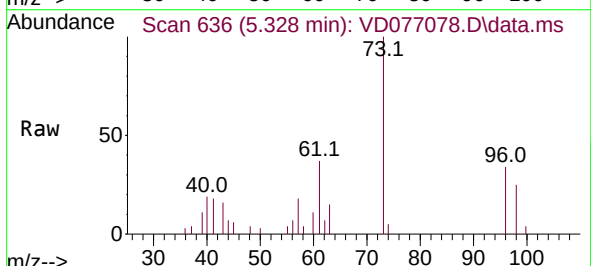
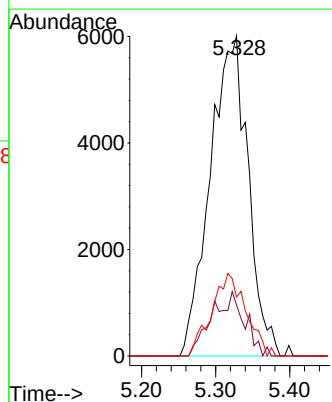
Tgt Ion: 73 Resp: 21405

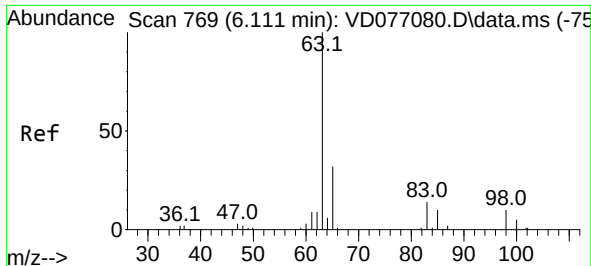
Ion Ratio Lower Upper

73 100

43 5.6 12.5 18.7#

57 20.3 16.8 25.2





#19

1,1-Dichloroethane

Concen: 2.089 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.006 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

ClientSampleId :

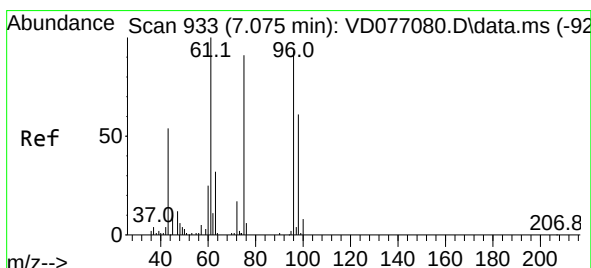
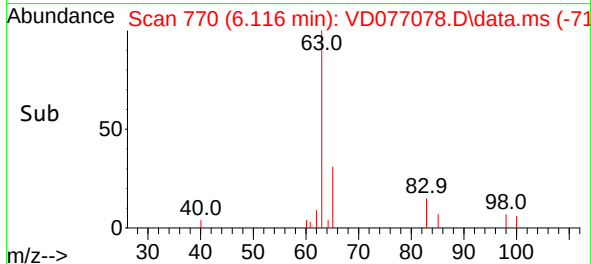
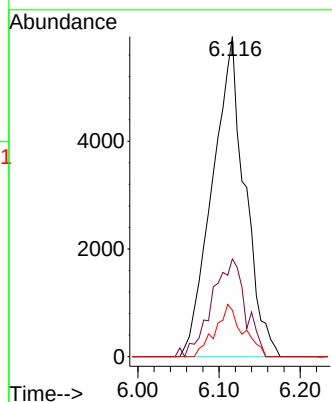
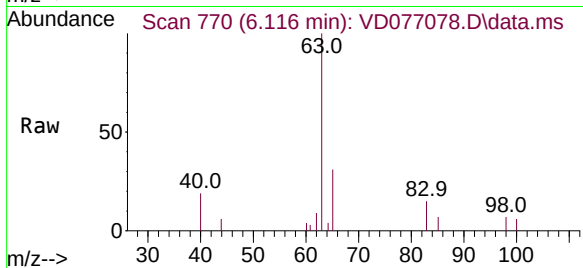
Tgt Ion: 63 Resp: 16524

Ion Ratio Lower Upper

63 100

65 30.6 22.5 41.9

83 14.5 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 2.183 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

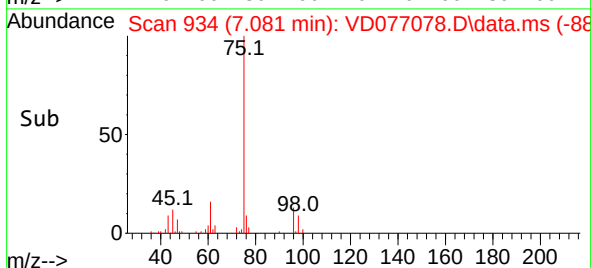
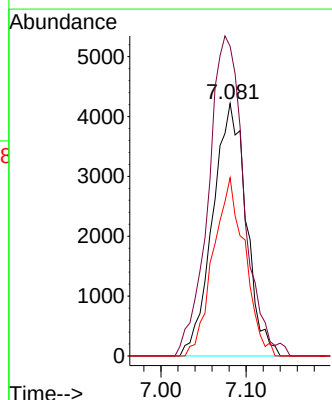
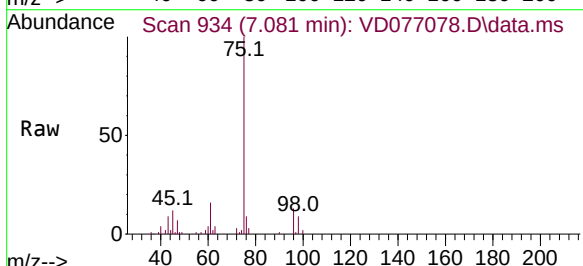
Tgt Ion: 96 Resp: 11562

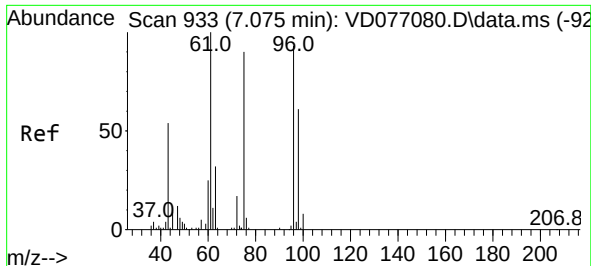
Ion Ratio Lower Upper

96 100

61 122.6 75.5 140.1

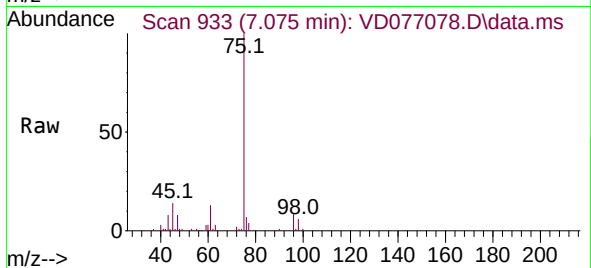
98 70.6 45.8 85.0



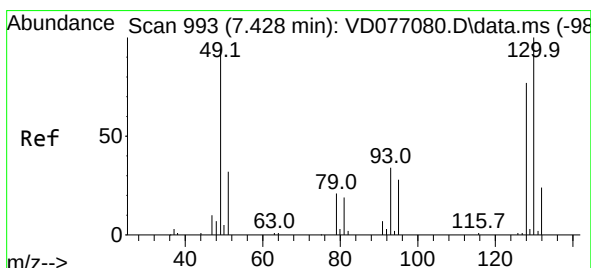
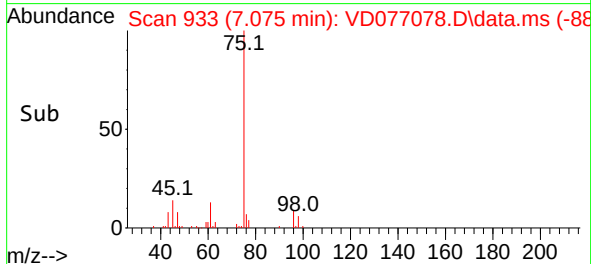
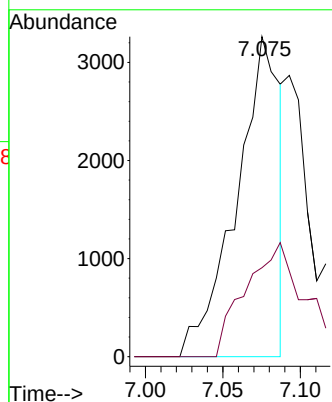


#22
2-Butanone
Concen: 3.612 ug/L
RT: 7.075 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Instrument :
MSVOA_D
ClientSampleId :

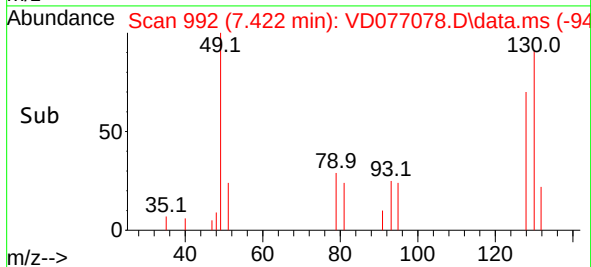
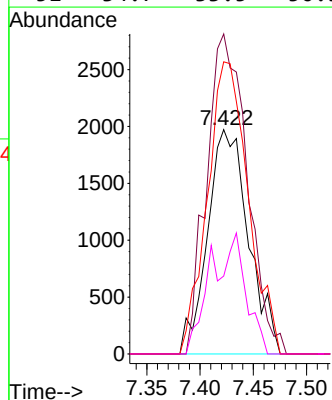
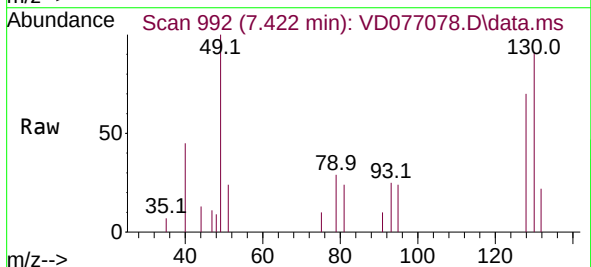


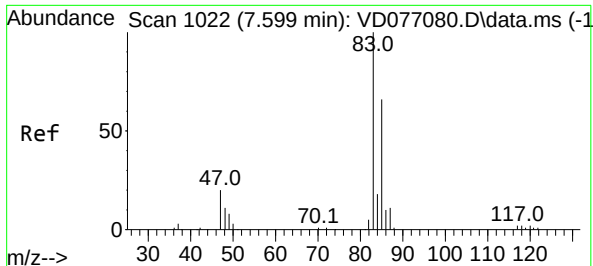
Tgt Ion: 43 Resp: 6356
Ion Ratio Lower Upper
43 100
72 38.7 16.0 48.0



#23
Bromochloromethane
Concen: 2.055 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Tgt Ion: 128 Resp: 5279
Ion Ratio Lower Upper
128 100
49 142.6 86.5 160.6
130 130.3 91.2 169.4
51 34.7 33.5 50.3





#25

Chloroform

Concen: 2.127 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

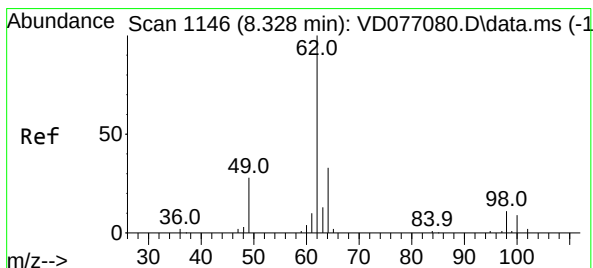
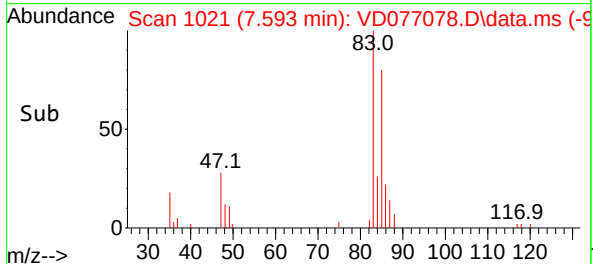
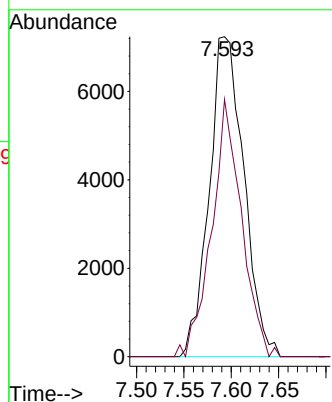
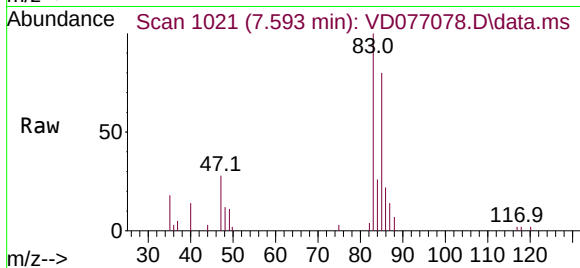
ClientSampleId :

Tgt Ion: 83 Resp: 18475

Ion Ratio Lower Upper

83 100

85 80.4 46.2 85.8



#27

1,2-Dichloroethane

Concen: 2.074 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD077078.D

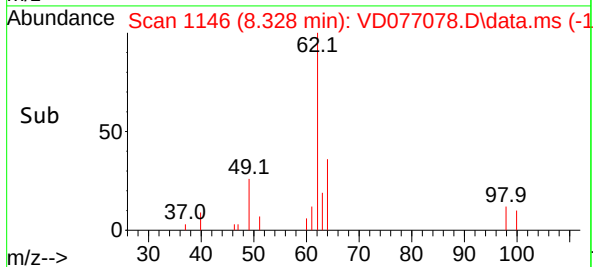
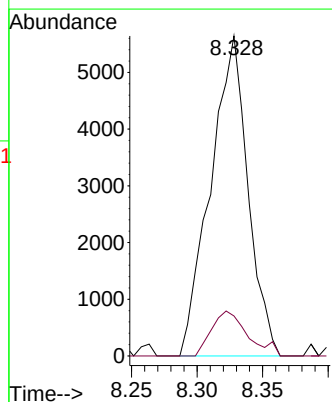
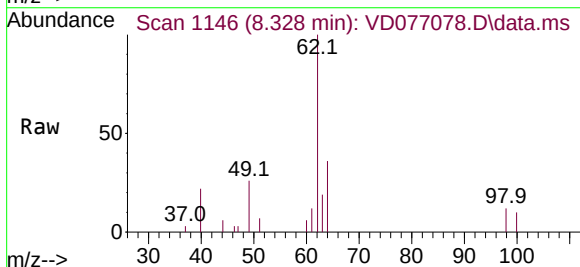
Acq: 01 Sep 2023 09:57

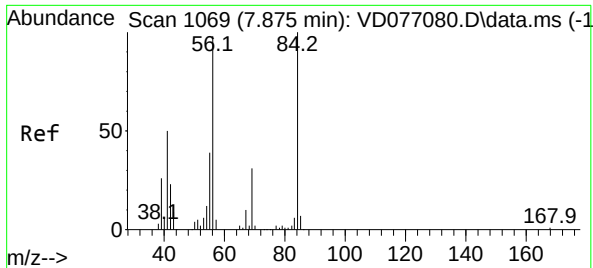
Tgt Ion: 62 Resp: 11199

Ion Ratio Lower Upper

62 100

98 12.5 9.0 13.4





#29

Cyclohexane

Concen: 1.816 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

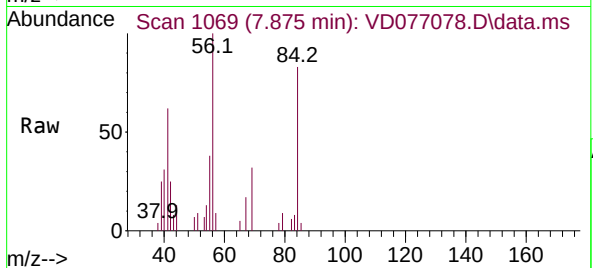
Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

ClientSampleId :



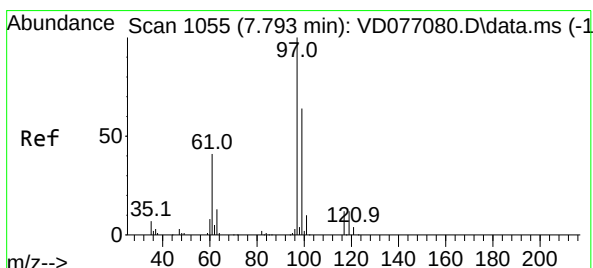
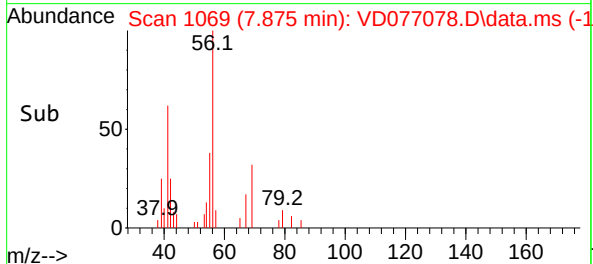
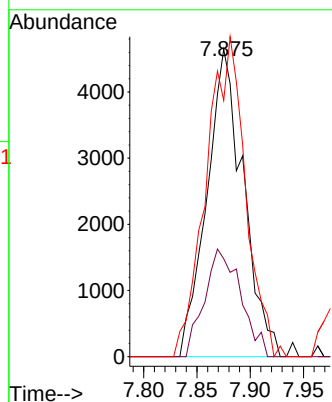
Tgt Ion: 56 Resp: 11064

Ion Ratio Lower Upper

56 100

69 34.8 25.5 38.3

84 57.9 82.6 124.0



#30

1,1,1-Trichloroethane

Concen: 2.291 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

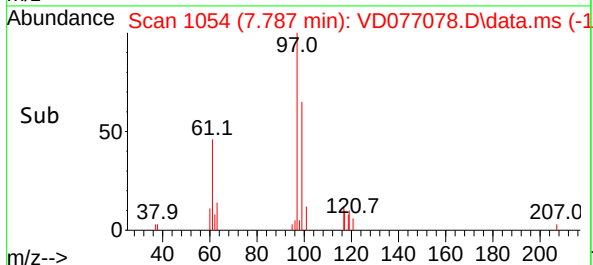
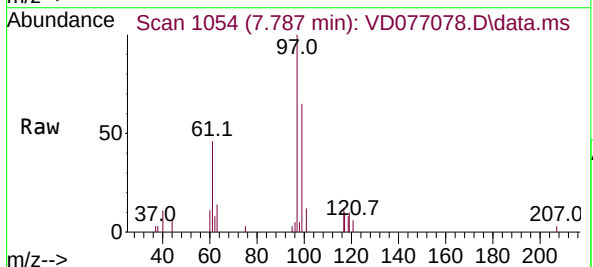
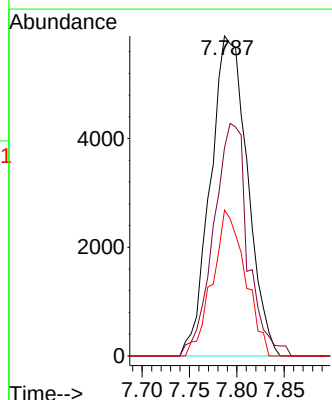
Tgt Ion: 97 Resp: 16023

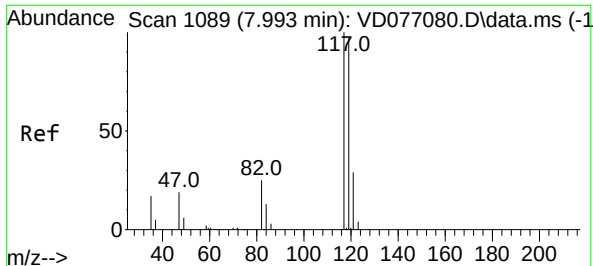
Ion Ratio Lower Upper

97 100

99 66.9 50.7 76.1

61 40.3 32.6 48.8

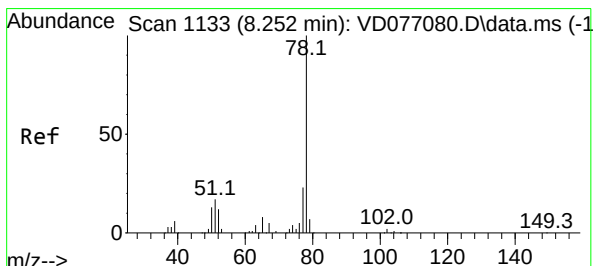
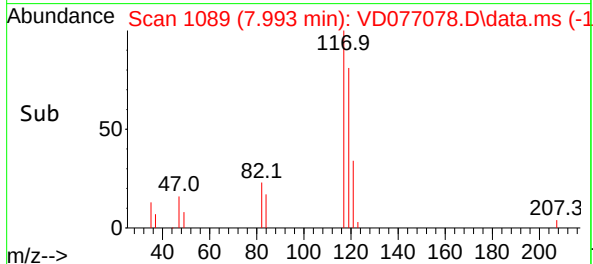
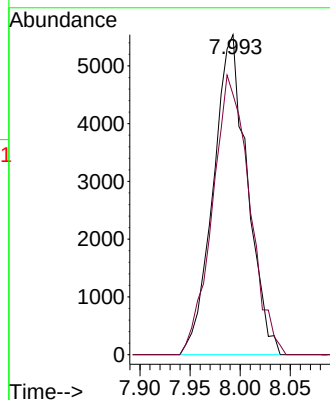
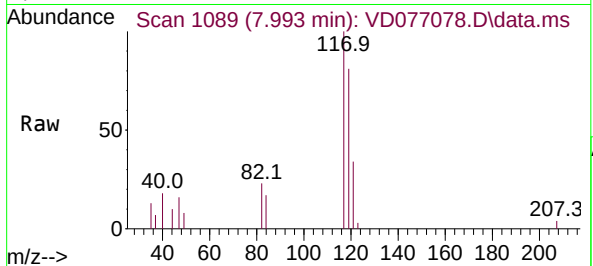




#31
Carbon tetrachloride
Concen: 2.268 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

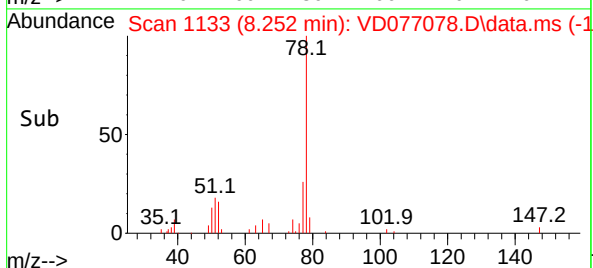
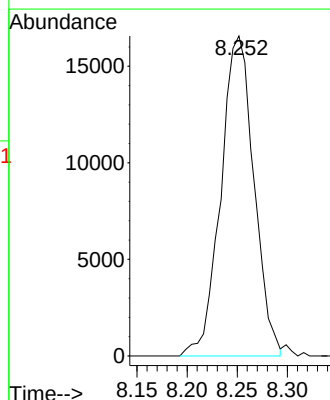
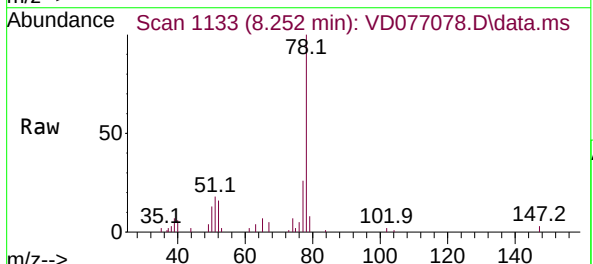
Instrument :
MSVOA_D
ClientSampleId :

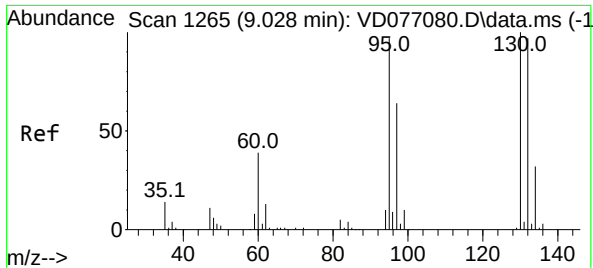
Tgt Ion:117 Resp: 13057
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.4



#33
Benzene
Concen: 2.076 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

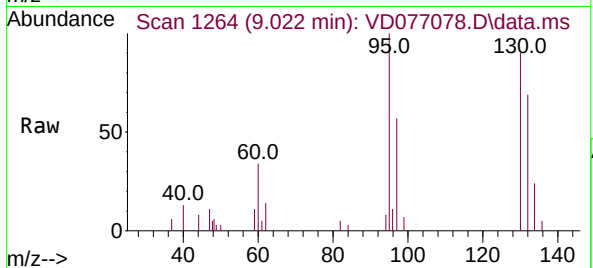
Tgt Ion: 78 Resp: 38042





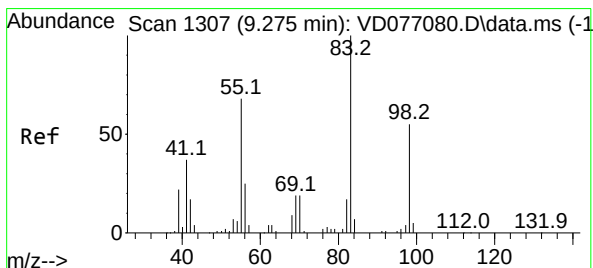
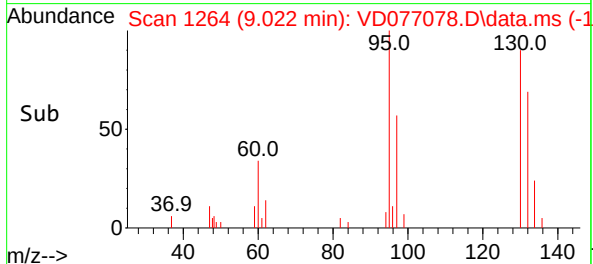
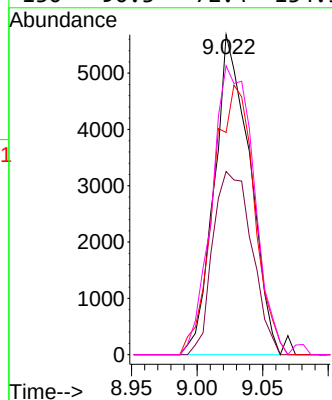
#34
 Trichloroethene
 Concen: 2.233 ug/L
 RT: 9.022 min Scan# 1264
 Delta R.T. -0.006 min
 Lab File: VD077078.D
 Acq: 01 Sep 2023 09:57

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 95 Resp: 10700

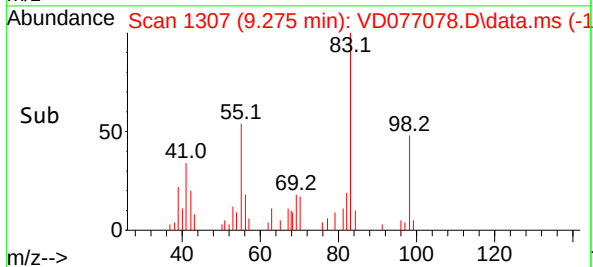
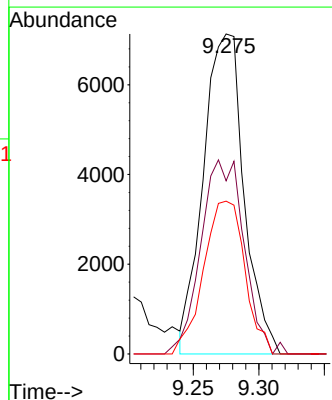
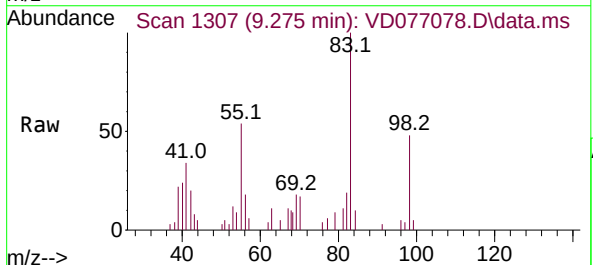
Ion	Ratio	Lower	Upper
95	100		
97	57.2	46.4	86.2
132	69.5	70.1	130.1#
130	90.3	72.4	134.5

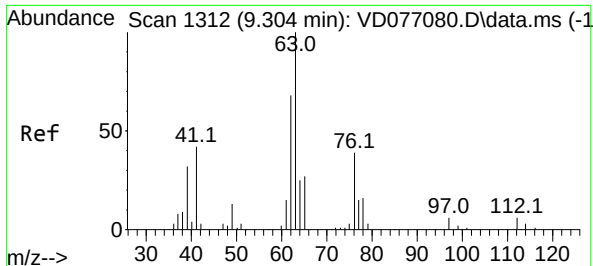


#35
 Methylcyclohexane
 Concen: 1.996 ug/L
 RT: 9.275 min Scan# 1307
 Delta R.T. 0.000 min
 Lab File: VD077078.D
 Acq: 01 Sep 2023 09:57

Tgt Ion: 83 Resp: 15422

Ion	Ratio	Lower	Upper
83	100		
55	40.8	51.5	77.3#
98	48.3	40.7	61.1





#37

1,2-Dichloropropane

Concen: 2.293 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

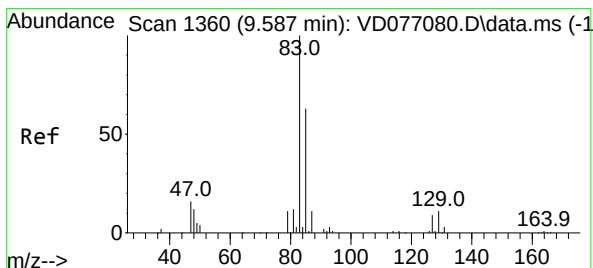
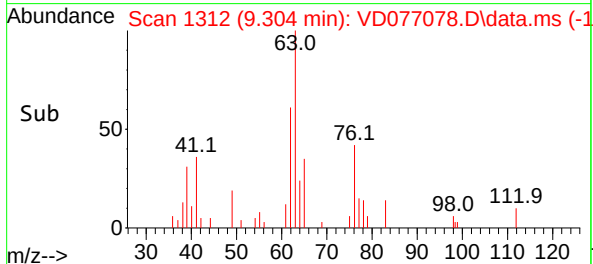
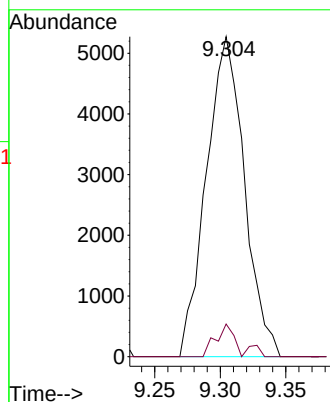
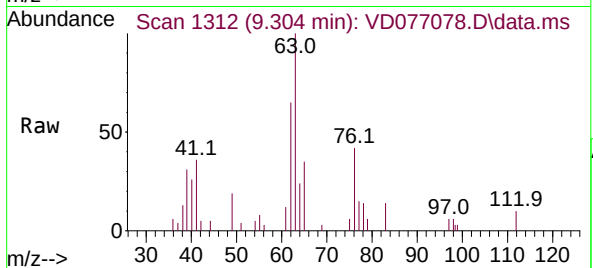
ClientSampleId :

Tgt Ion: 63 Resp: 10637

Ion Ratio Lower Upper

63 100

112 4.8 4.0 6.0



#38

Bromodichloromethane

Concen: 2.188 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

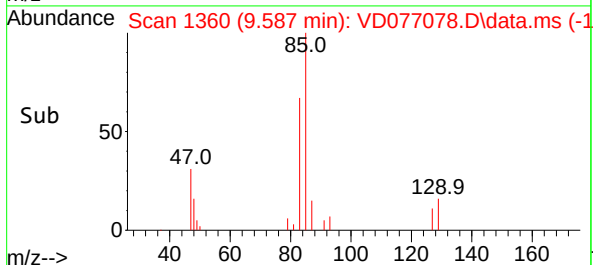
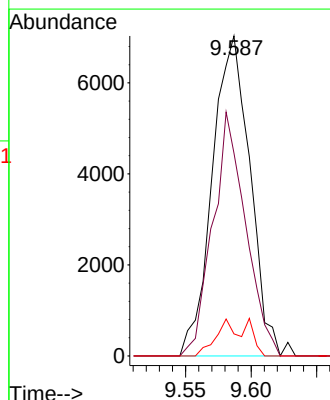
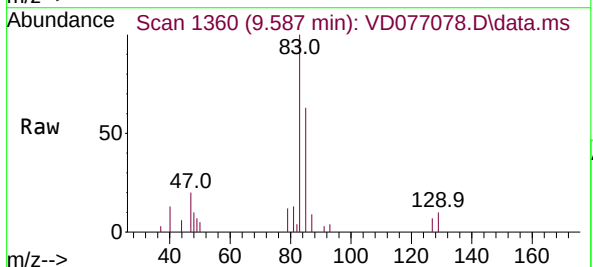
Tgt Ion: 83 Resp: 13994

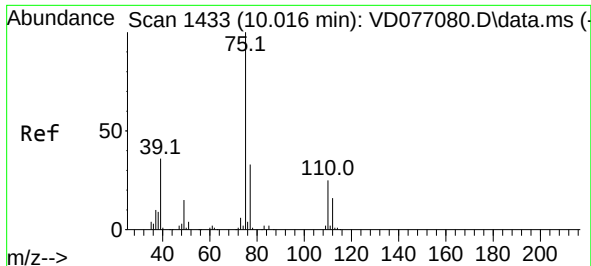
Ion Ratio Lower Upper

83 100

85 63.4 44.0 81.6

127 6.9 7.5 11.3#





#39

cis-1,3-Dichloropropene

Concen: 1.928 ug/L

RT: 10.010 min Scan# 1433

Delta R.T. -0.006 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

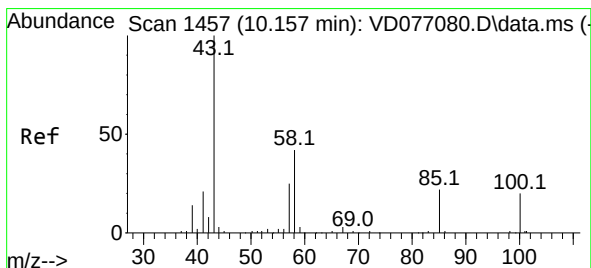
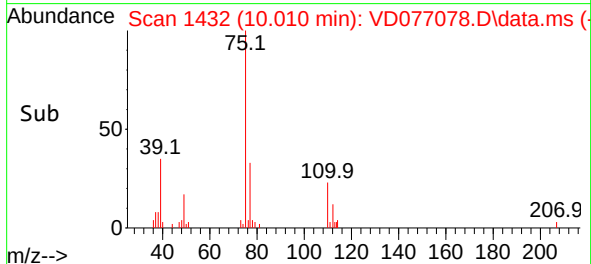
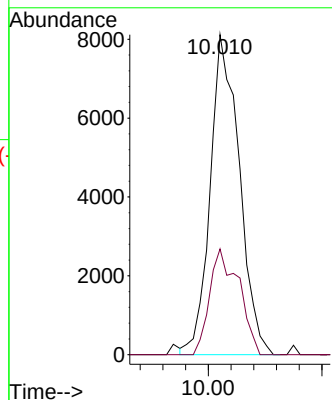
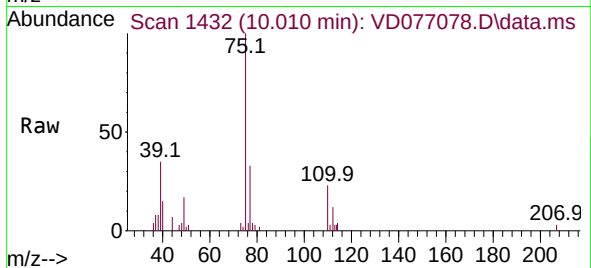
ClientSampleId :

Tgt Ion: 75 Resp: 14438

Ion Ratio Lower Upper

75 100

77 33.1 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 3.943 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

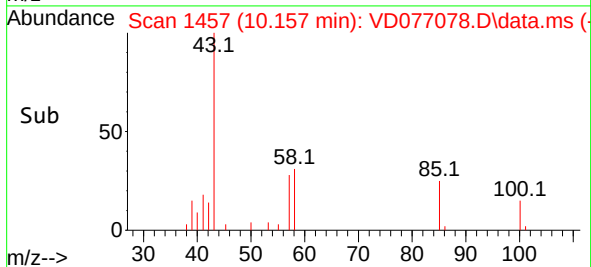
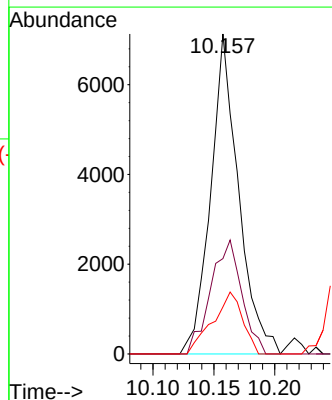
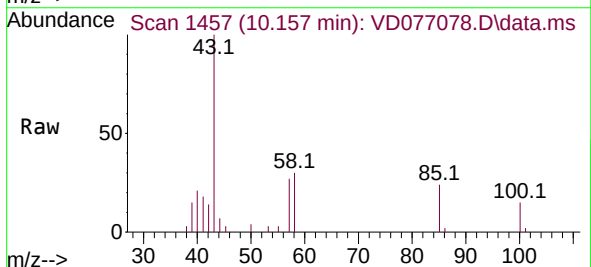
Tgt Ion: 43 Resp: 11356

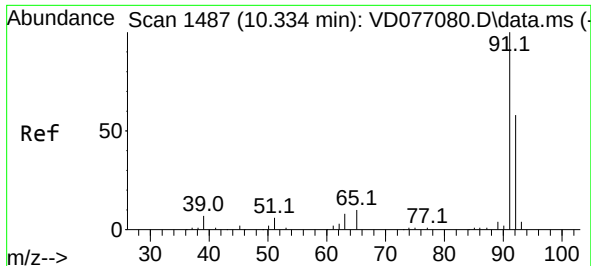
Ion Ratio Lower Upper

43 100

58 39.5 34.6 51.8

100 20.8 16.2 24.4





#42

Toluene

Concen: 2.010 ug/L

RT: 10.328 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

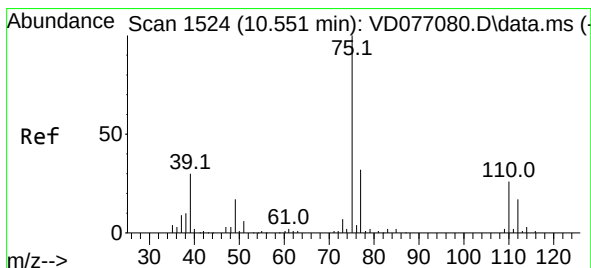
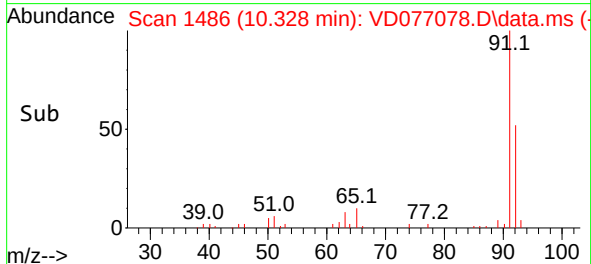
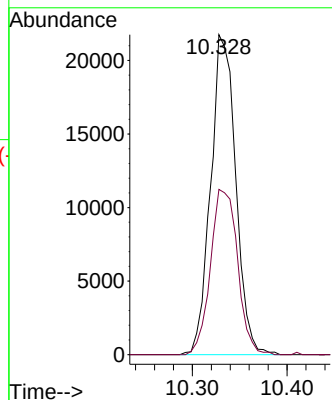
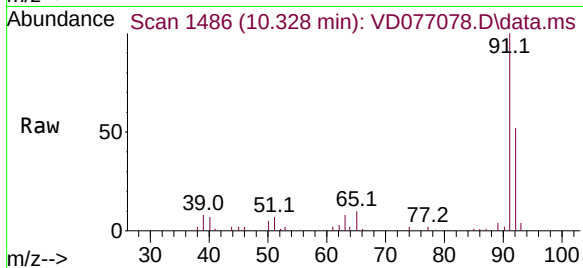
ClientSampleId :

Tgt Ion: 91 Resp: 40036

Ion Ratio Lower Upper

91 100

92 51.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 2.022 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD077078.D

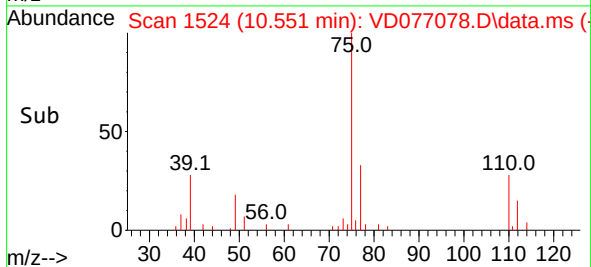
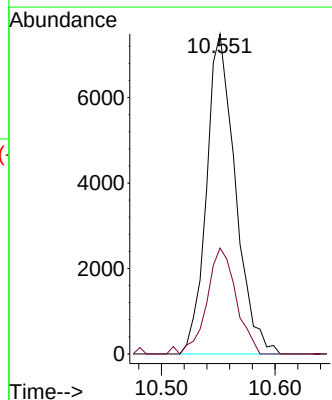
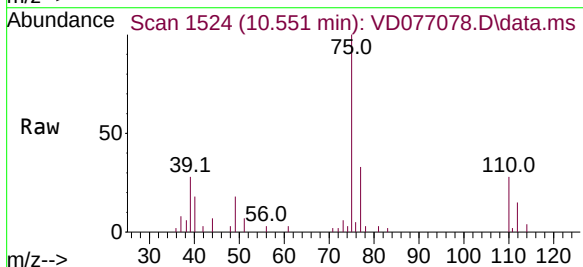
Acq: 01 Sep 2023 09:57

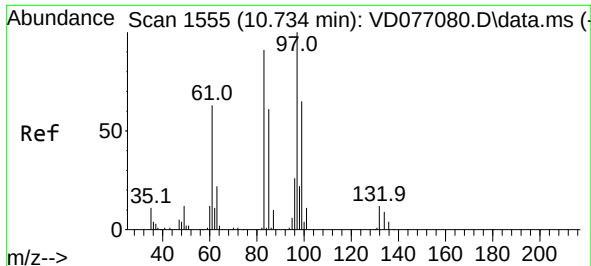
Tgt Ion: 75 Resp: 13205

Ion Ratio Lower Upper

75 100

77 33.1 22.5 41.9

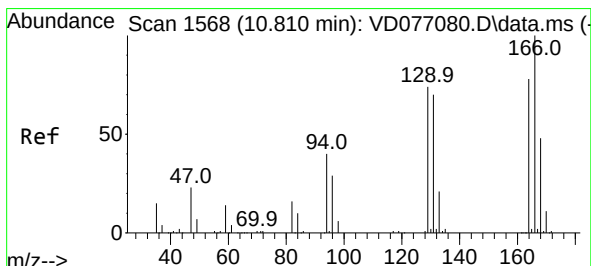
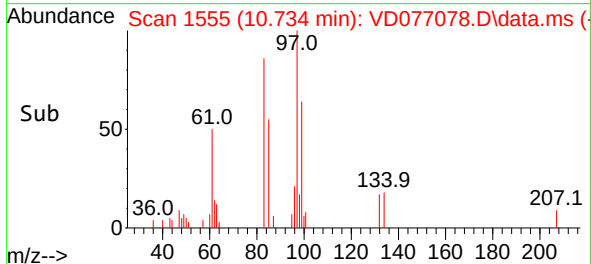
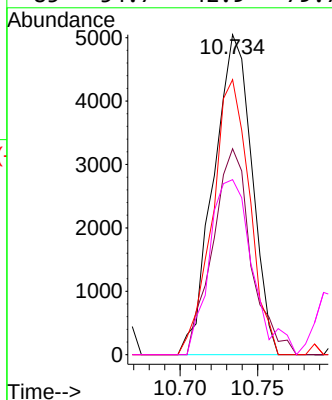
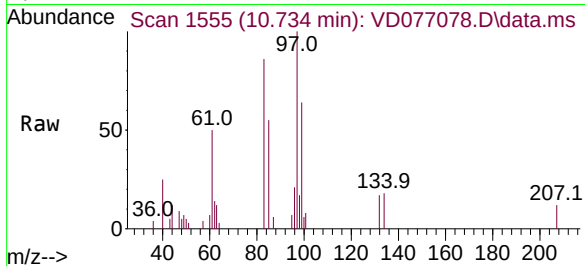




#45
1,1,2-Trichloroethane
Concen: 2.132 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

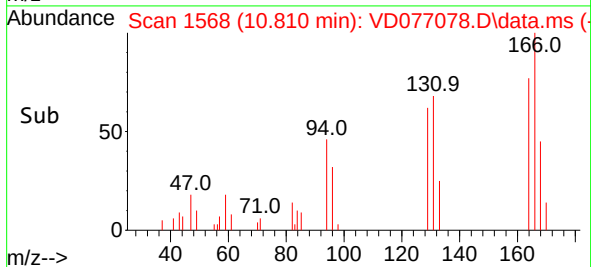
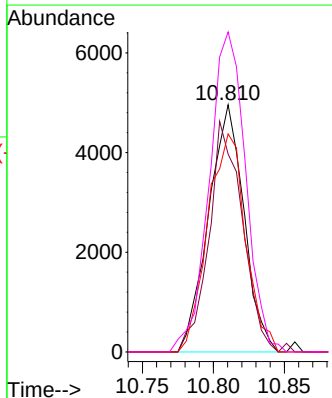
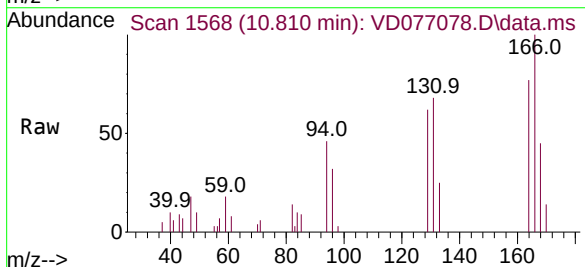
Instrument :
MSVOA_D
ClientSampleId :

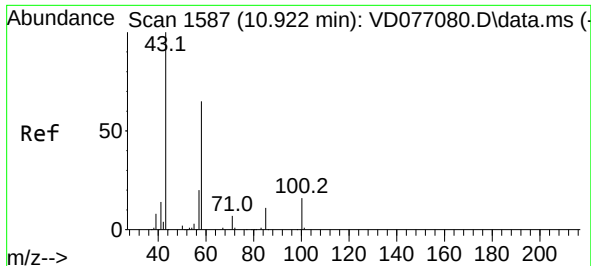
Tgt Ion: 97	Resp: 8684
Ion Ratio	Lower Upper
97 100	
99 64.4	46.1 85.5
83 86.0	64.3 119.3
85 54.7	42.9 79.7



#46
Tetrachloroethene
Concen: 2.361 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

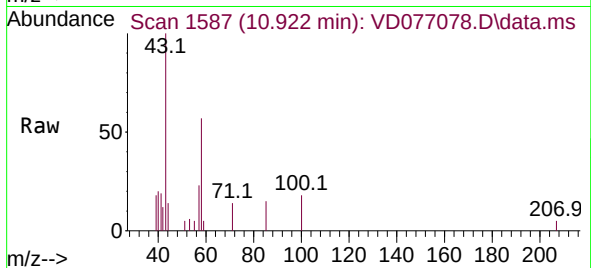
Tgt Ion:164	Resp: 8607
Ion Ratio	Lower Upper
164 100	
129 80.1	66.4 123.4
131 88.2	62.6 116.3
166 129.5	89.6 166.4



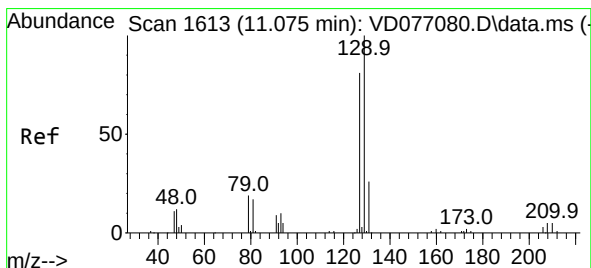
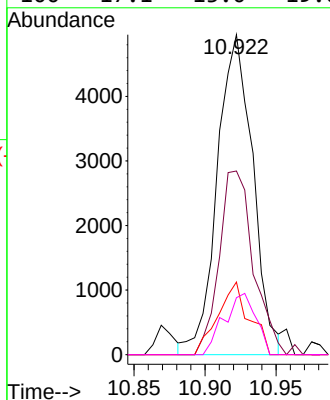
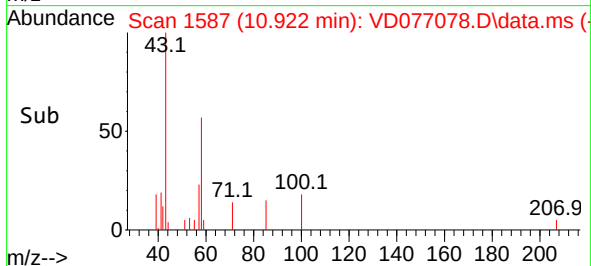


#48
2-Hexanone
Concen: 3.908 ug/L
RT: 10.922 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Instrument :
MSVOA_D
ClientSampleId :

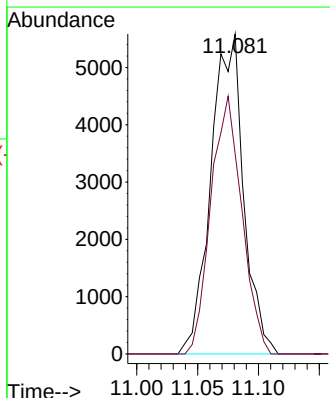
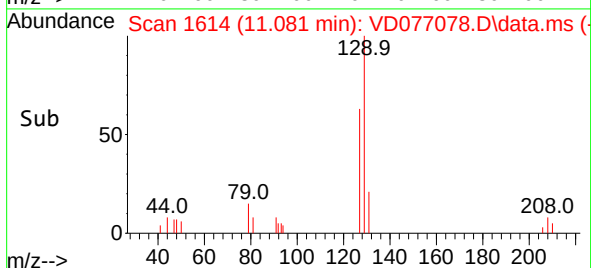
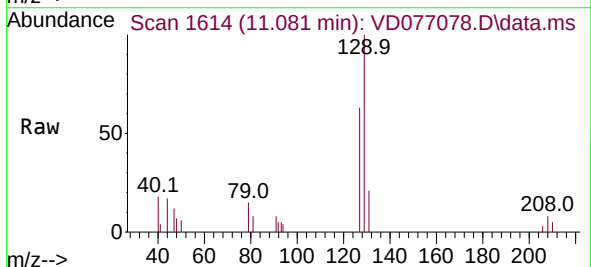


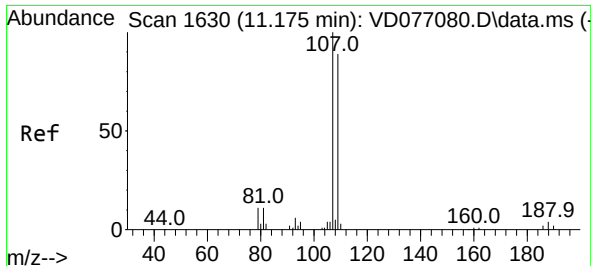
Tgt Ion:	43	Resp:	8626
Ion	Ratio	Lower	Upper
43	100		
58	55.3	50.6	75.8
57	18.1	16.6	24.8
100	17.1	13.0	19.6



#49
Dibromochloromethane
Concen: 2.260 ug/L
RT: 11.081 min Scan# 1614
Delta R.T. 0.006 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Tgt Ion:	129	Resp:	10429
Ion	Ratio	Lower	Upper
129	100		
127	62.6	56.6	105.2

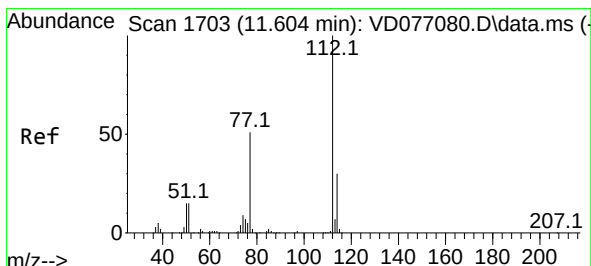
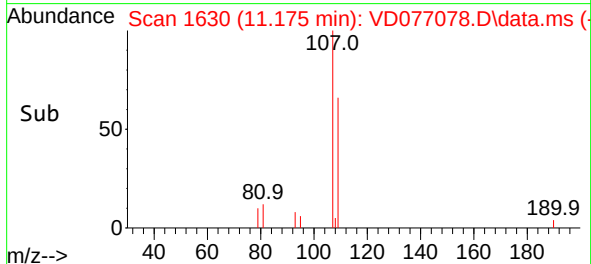
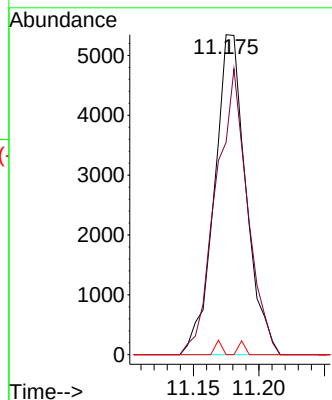
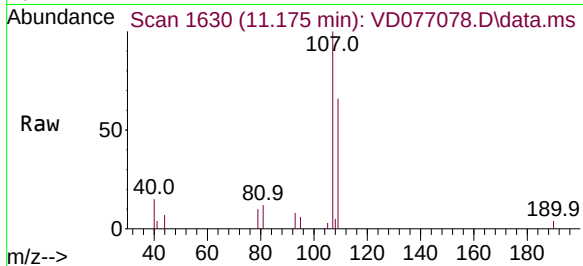




#50
1,2-Dibromoethane
Concen: 2.229 ug/L
RT: 11.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

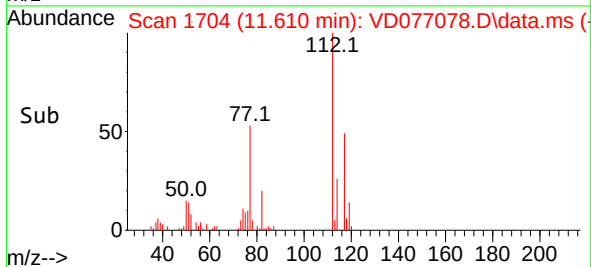
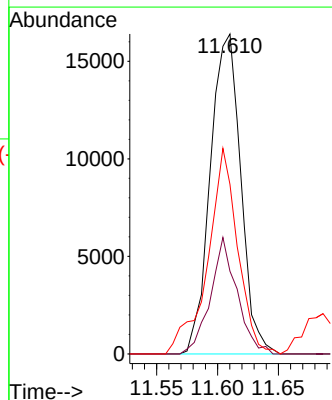
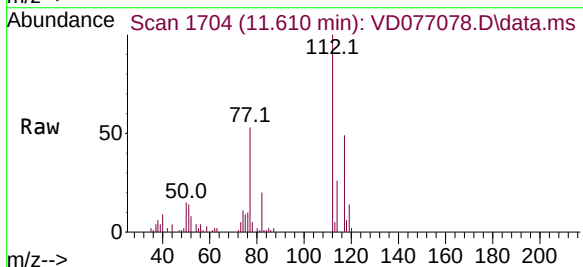
Instrument :
MSVOA_D
ClientSampleId :

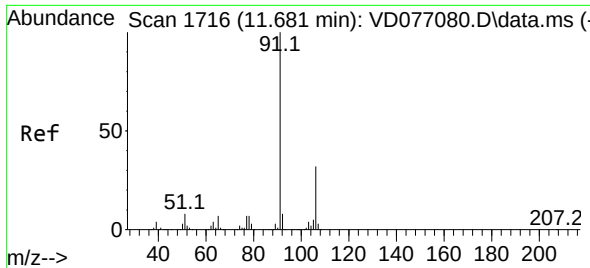
Tgt Ion:107 Resp: 8924
Ion Ratio Lower Upper
107 100
109 66.4 62.4 116.0
188 0.0 3.0 4.4#



#51
Chlorobenzene
Concen: 2.178 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Tgt Ion:112 Resp: 28551
Ion Ratio Lower Upper
112 100
114 25.8 21.0 39.0
77 53.0 41.0 61.4

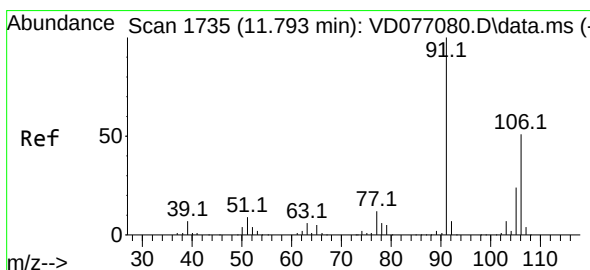
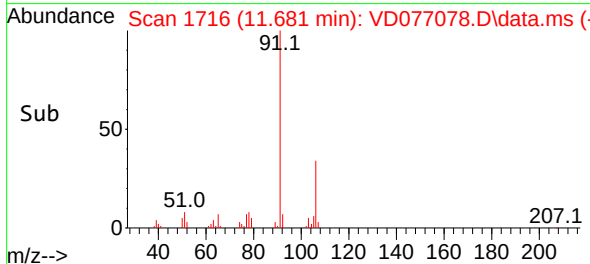
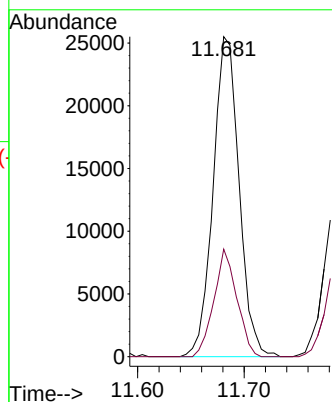
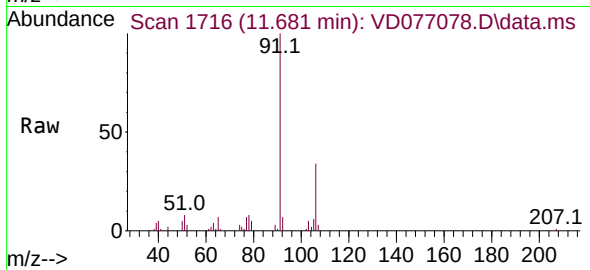




#52
Ethylbenzene
Concen: 2.029 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

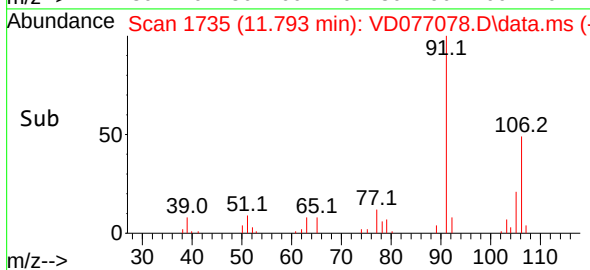
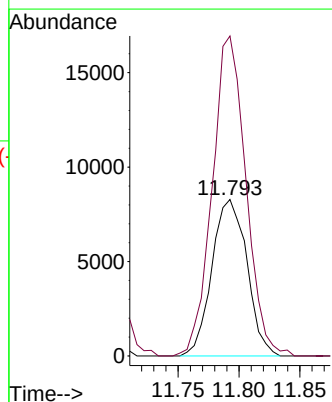
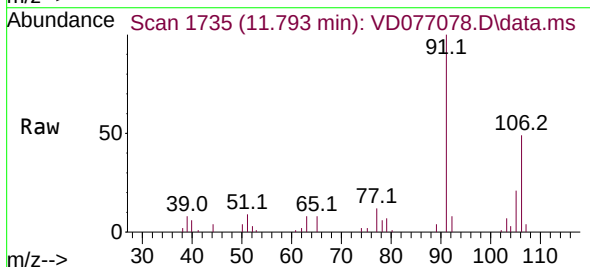
Instrument :
MSVOA_D
ClientSampleId :

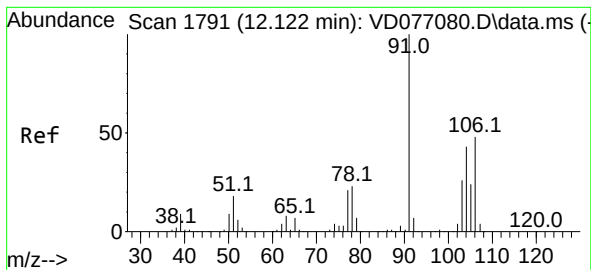
Tgt Ion: 91 Resp: 43156
Ion Ratio Lower Upper
91 100
106 33.6 22.1 41.1



#53
m,p-Xylene
Concen: 2.013 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Tgt Ion: 106 Resp: 16578
Ion Ratio Lower Upper
106 100
91 204.5 138.2 256.6





#54

o-Xylene

Concen: 1.925 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

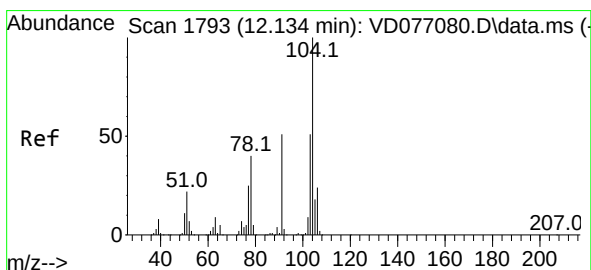
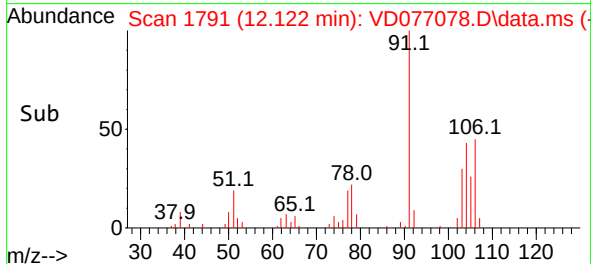
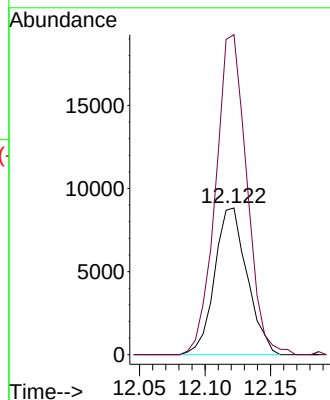
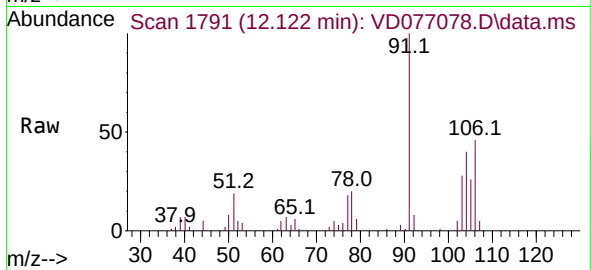
ClientSampleId :

Tgt Ion:106 Resp: 15251

Ion Ratio Lower Upper

106 100

91 218.0 146.9 272.7



#55

Styrene

Concen: 1.874 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD077078.D

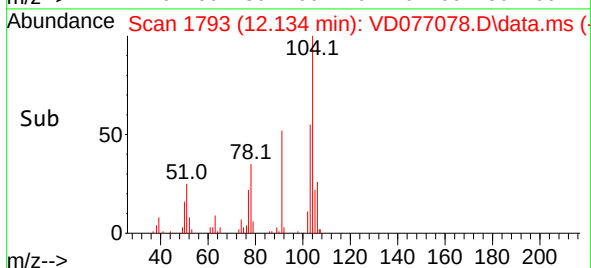
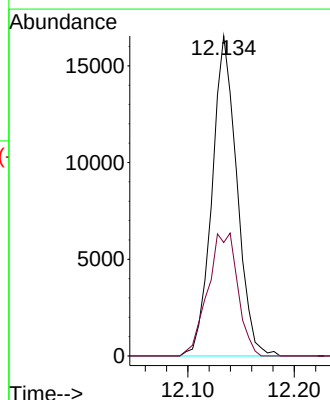
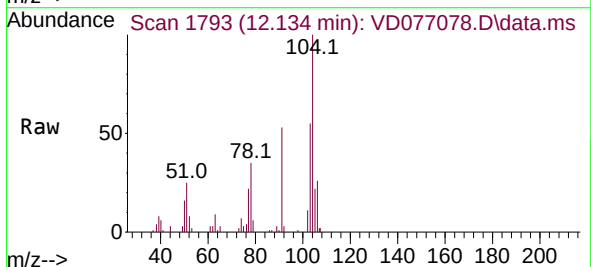
Acq: 01 Sep 2023 09:57

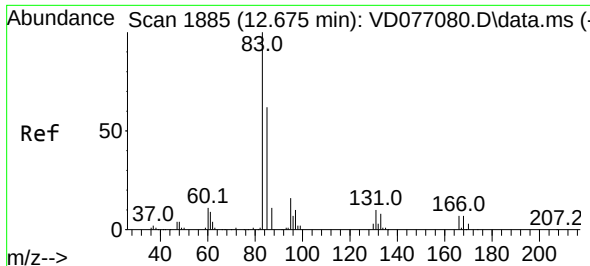
Tgt Ion:104 Resp: 26806

Ion Ratio Lower Upper

104 100

78 35.5 27.8 51.6

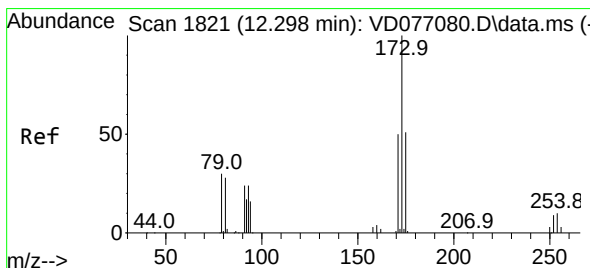
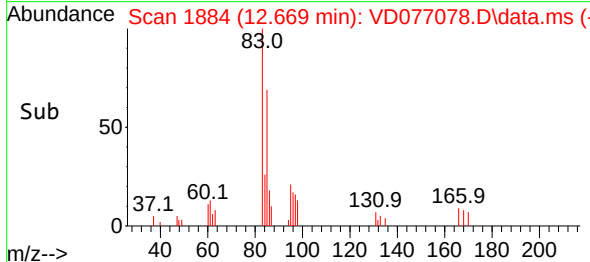
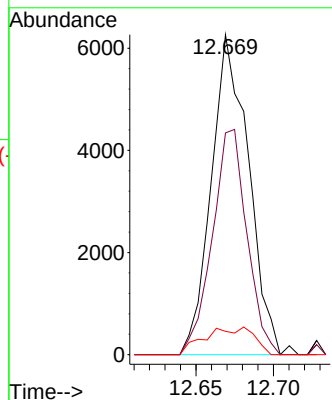
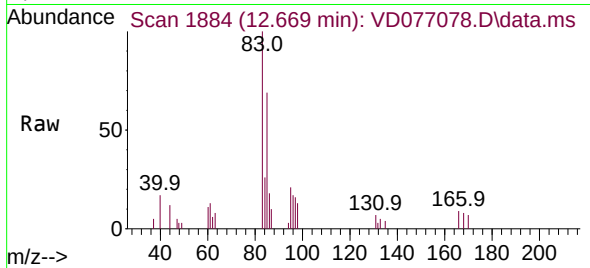




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.077 ug/L
 RT: 12.669 min Scan# 1884
 Delta R.T. -0.006 min
 Lab File: VD077078.D
 Acq: 01 Sep 2023 09:57

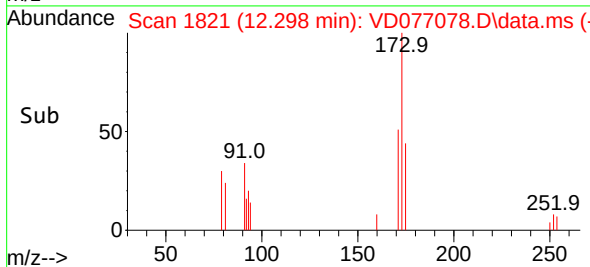
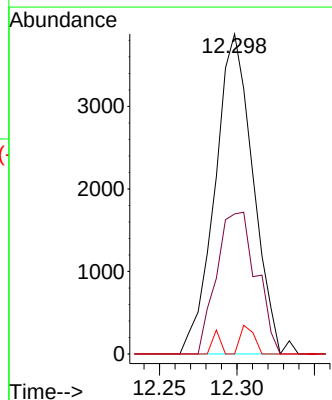
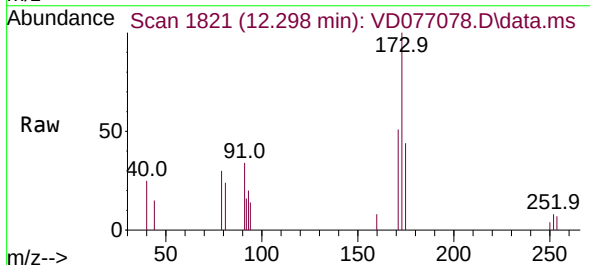
Instrument :
 MSVOA_D
 ClientSampleId :

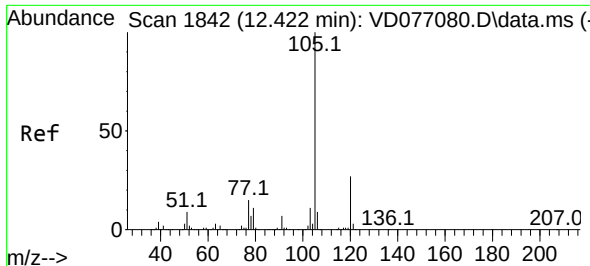
Tgt Ion: 83 Resp: 10426
 Ion Ratio Lower Upper
 83 100
 85 69.3 43.6 81.0
 131 7.3 7.8 11.8#



#59
 Bromoform
 Concen: 2.306 ug/L
 RT: 12.298 min Scan# 1821
 Delta R.T. 0.000 min
 Lab File: VD077078.D
 Acq: 01 Sep 2023 09:57

Tgt Ion: 173 Resp: 6568
 Ion Ratio Lower Upper
 173 100
 175 46.6 38.7 58.1
 254 3.3 7.0 10.6#

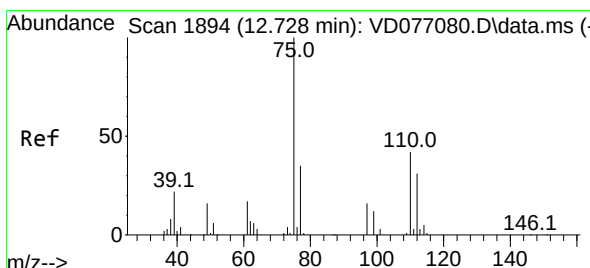
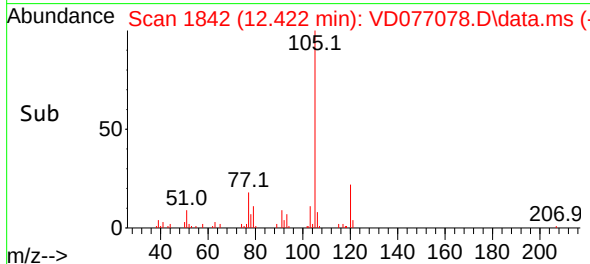
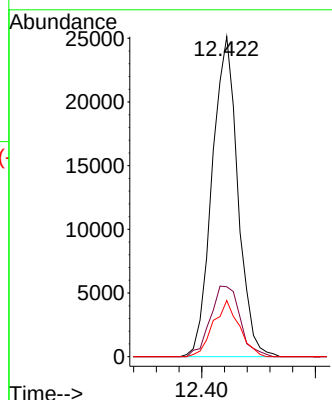
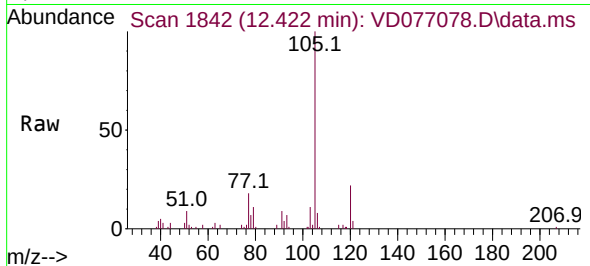




#60
Isopropylbenzene
Concen: 1.927 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

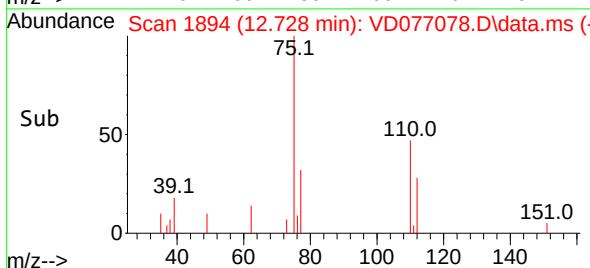
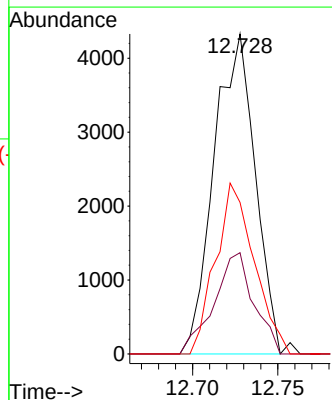
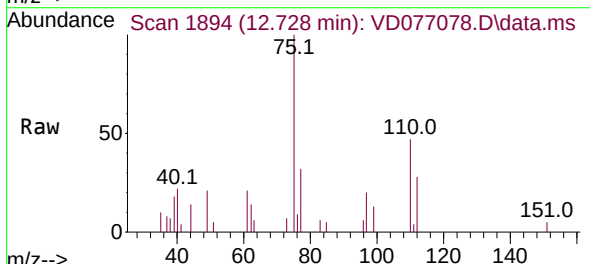
Instrument :
MSVOA_D
ClientSampleId :

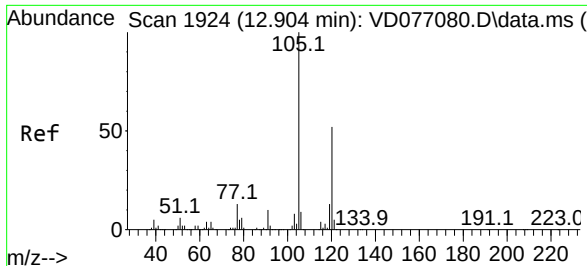
Tgt Ion:	105	Resp:	39546
Ion Ratio	Lower	Upper	
105	100		
120	25.4	21.8	32.6
77	17.7	11.9	17.9



#61
1,2,3-Trichloropropane
Concen: 2.218 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Tgt Ion:	75	Resp:	7240
Ion Ratio	Lower	Upper	
75	100		
77	30.7	26.6	40.0
110	50.5	33.6	50.4

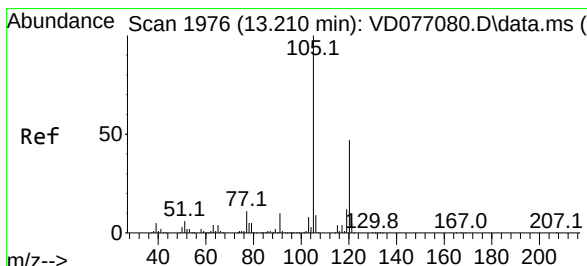
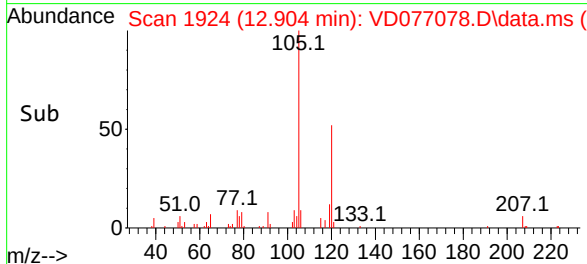
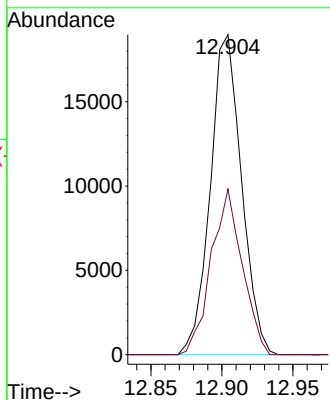
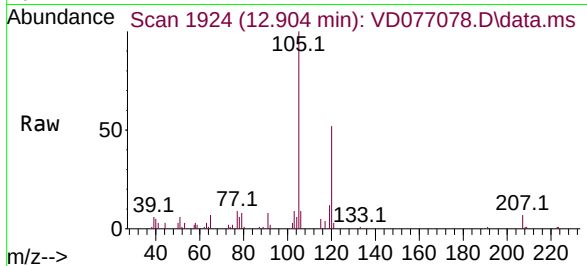




#62
1,3,5-Trimethylbenzene
Concen: 1.850 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

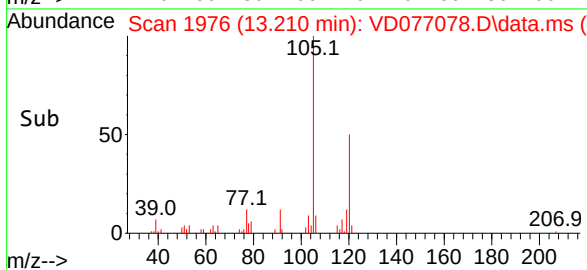
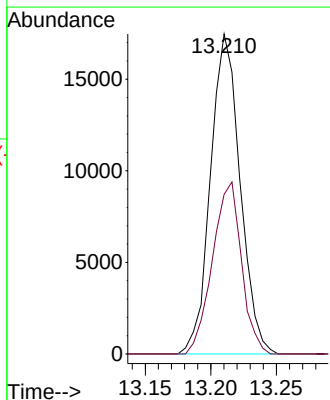
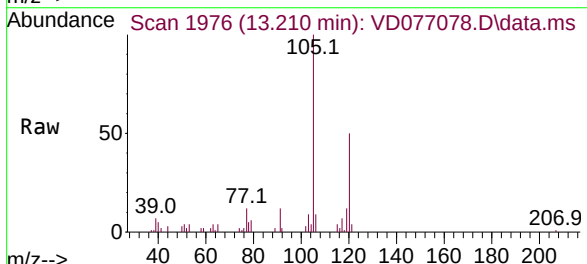
Instrument :
MSVOA_D
ClientSampleId :

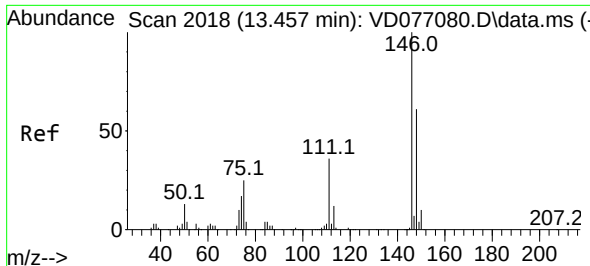
Tgt Ion:105 Resp: 29038
Ion Ratio Lower Upper
105 100
120 51.5 40.2 60.2



#63
1,2,4-Trimethylbenzene
Concen: 1.763 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Tgt Ion:105 Resp: 27432
Ion Ratio Lower Upper
105 100
120 52.5 37.8 56.8

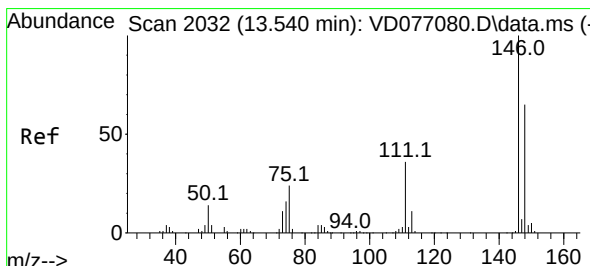
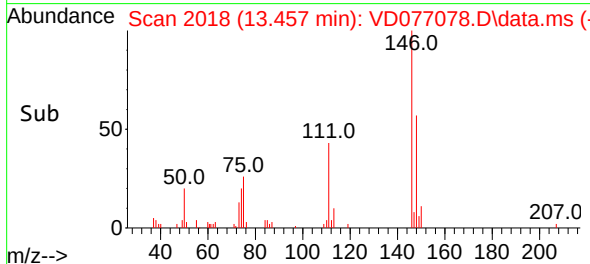
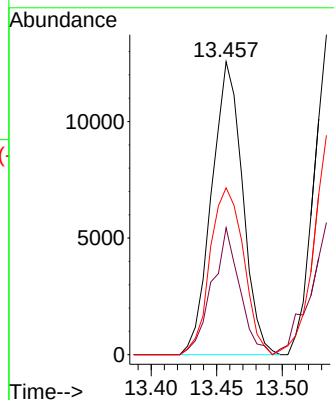
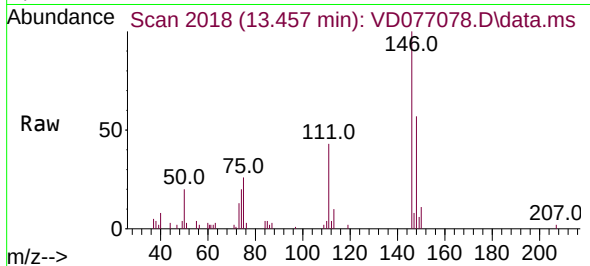




#64
1,3-Dichlorobenzene
Concen: 2.185 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

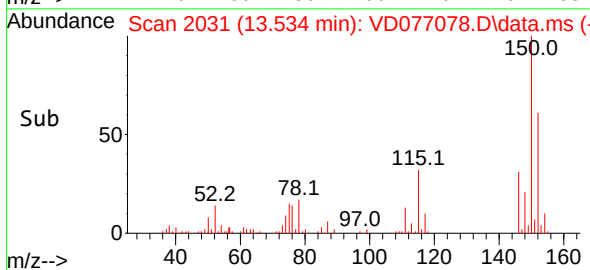
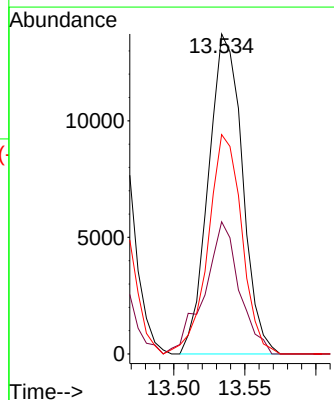
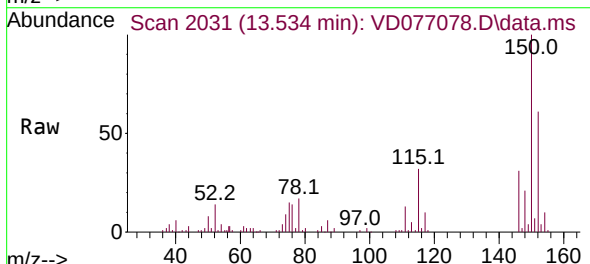
Instrument :
MSVOA_D
ClientSampleId :

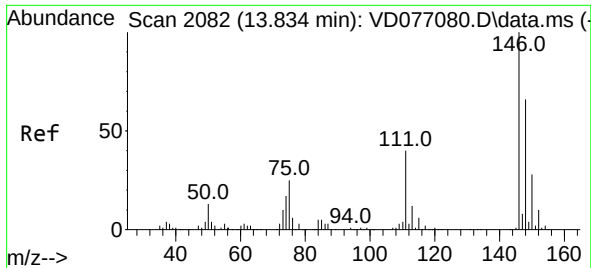
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	25.2	46.8
148	57.0	42.7	79.3



#65
1,4-Dichlorobenzene
Concen: 2.348 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	25.5	47.3
148	68.5	45.5	84.5





#67

1,2-Dichlorobenzene

Concen: 2.161 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

Instrument :

MSVOA_D

ClientSampleId :

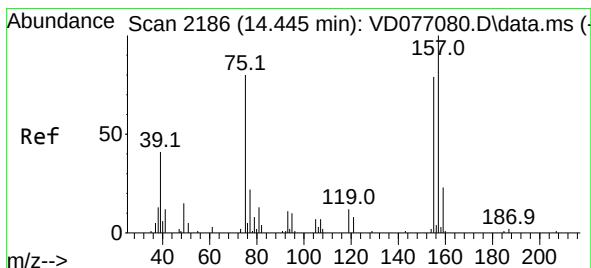
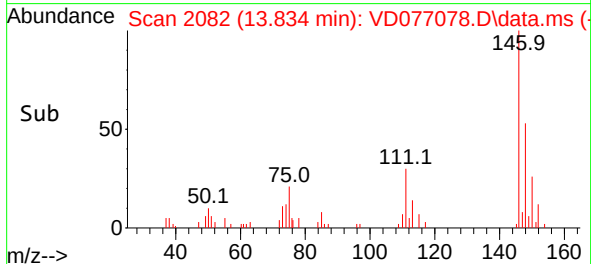
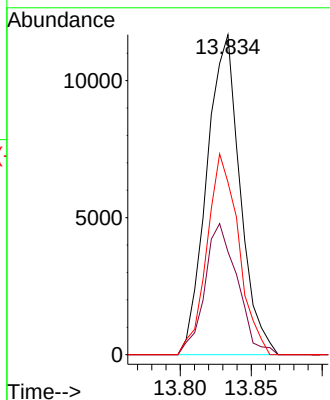
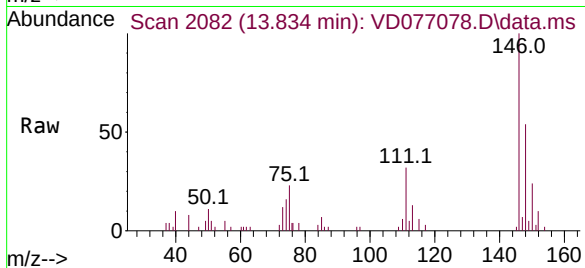
Tgt Ion:146 Resp: 19058

Ion Ratio Lower Upper

146 100

111 32.2 31.8 47.6

148 53.8 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 1.747 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD077078.D

Acq: 01 Sep 2023 09:57

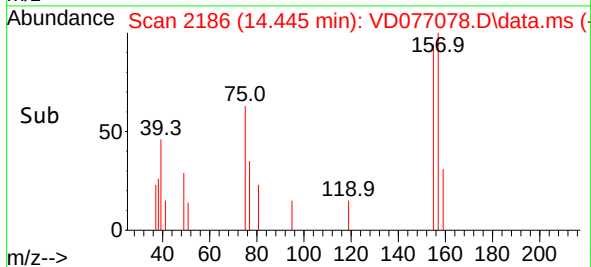
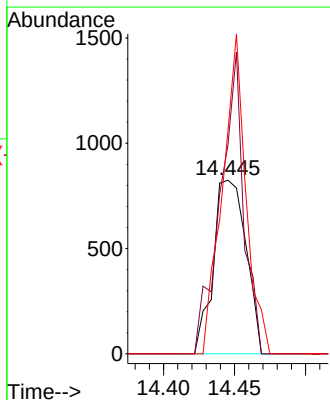
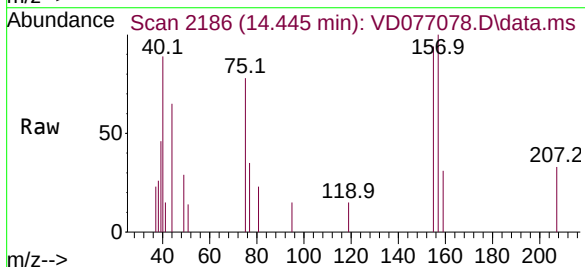
Tgt Ion: 75 Resp: 1320

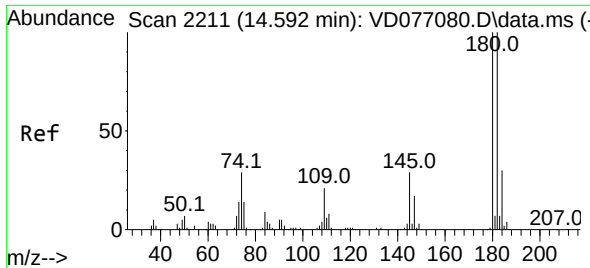
Ion Ratio Lower Upper

75 100

155 120.2 79.0 118.6#

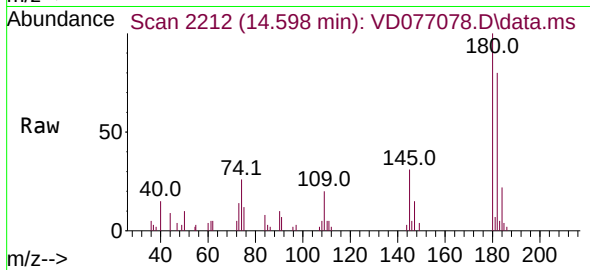
157 128.4 100.2 150.4



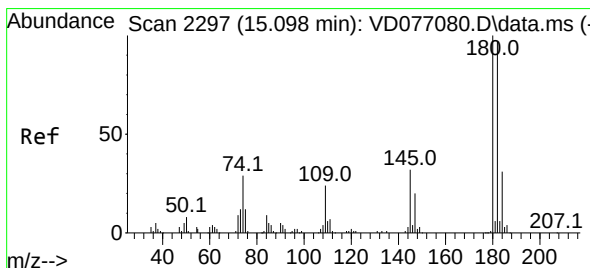
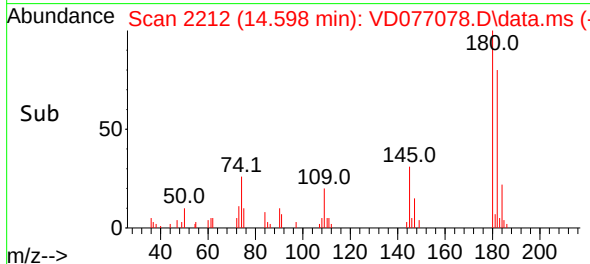
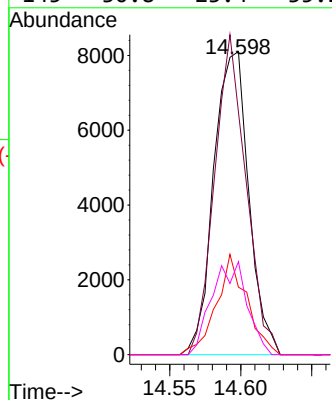


#69
 1,3,5-Trichlorobenzene
 Concen: 2.343 ug/L
 RT: 14.598 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VD077078.D
 Acq: 01 Sep 2023 09:57

Instrument :
 MSVOA_D
 ClientSampleId :

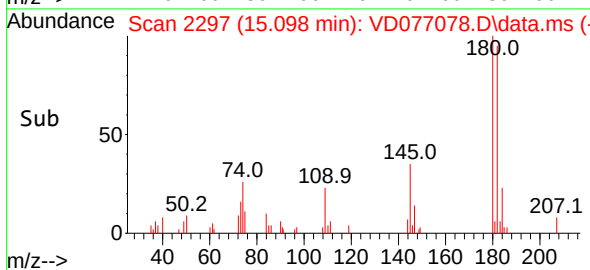
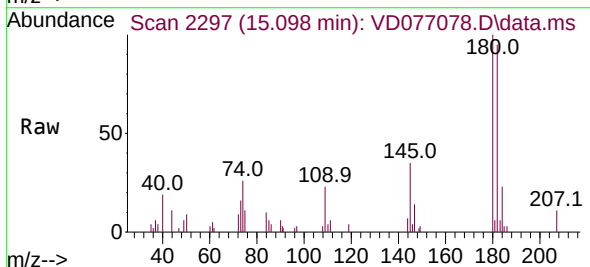
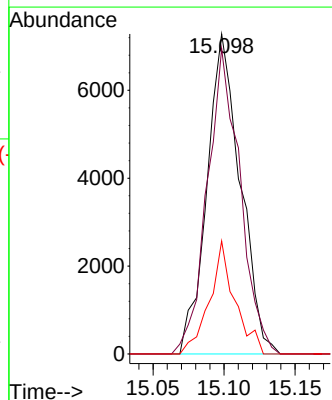


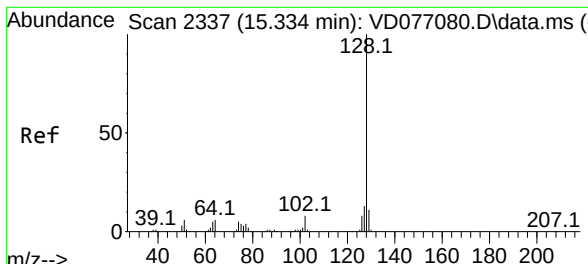
Tgt Ion:180 Resp: 13893
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.0 115.4
 184 28.7 24.2 36.2
 145 30.8 23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 2.291 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. 0.000 min
 Lab File: VD077078.D
 Acq: 01 Sep 2023 09:57

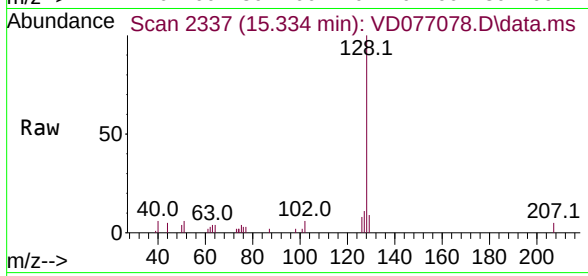
Tgt Ion:180 Resp: 11913
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.3 114.5
 145 26.7 23.8 35.8



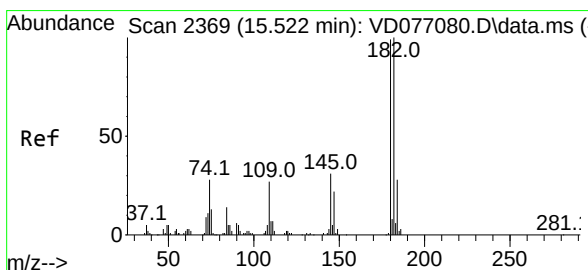
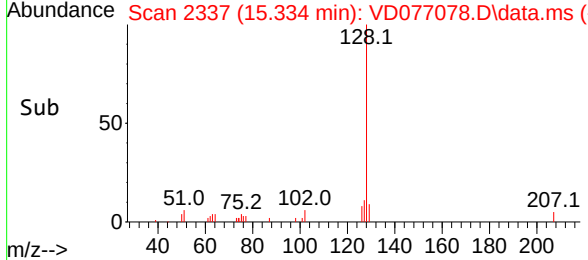
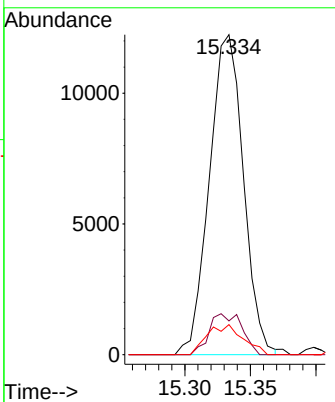


#71
Naphthalene
Concen: 1.852 ug/L
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	22086
Ion Ratio	100	Lower	Upper
128	100		
127	8.0	10.6	16.0#
129	9.9	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 2.320 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD077078.D
Acq: 01 Sep 2023 09:57

Tgt Ion:	180	Resp:	10908
Ion Ratio	100	Lower	Upper
180	100		
182	90.7	76.6	115.0
145	33.1	25.4	38.2

