

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053124\
 Data File : VD079109.D
 Acq On : 31 May 2024 15:22
 Operator : RP/MD
 Sample : P2642-02MS
 Misc : 5.47G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 01 00:36:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jun 01 00:34:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	252324	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	196015	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	63978	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	142142	18.306	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	73.240%	
7) Chloroethane-d5	2.799	69	145559	19.387	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	77.560%	
11) 1,1-Dichloroethene-d2	3.917	65	23838	17.294	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	=	69.160%	
21) 2-Butanone-d5	6.981	46	18802	31.658	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	=	63.320%	
24) Chloroform-d	7.569	84	139799	19.815	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	=	79.280%	
26) 1,2-Dichloroethane-d4	8.228	65	59151	18.175	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	=	72.680%	
32) Benzene-d6	8.199	84	280276	25.793	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	=	103.160%	
36) 1,2-Dichloropropane-d6	9.210	67	78408	25.050	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	=	100.200%	
41) Toluene-d8	10.269	98	226697	22.281	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	=	89.120%	
43) trans-1,3-Dichloroprop...	10.522	79	27370	20.803	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	=	83.200%	
47) 2-Hexanone-d5	10.875	63	15371	37.986	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	=	75.980%	
56) 1,1,2,2-Tetrachloroeth...	12.646	84	50713	18.291	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	=	73.160%	
66) 1,2-Dichlorobenzene-d4	13.816	152	43480	19.692	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	=	78.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	63267	15.839	ug/L	100
3) Chloromethane	2.146	50	95384	17.917	ug/L	98
5) Vinyl chloride	2.281	62	162828	18.531	ug/L	98
6) Bromomethane	2.693	94	108185	15.948	ug/L	96
8) Chloroethane	2.834	64	112458	17.462	ug/L	93
9) Trichlorofluoromethane	3.175	101	101274	15.130	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	31215	7.777	ug/L #	71
12) 1,1-Dichloroethene	3.940	96	59058	16.900	ug/L	94
13) Acetone	4.023	43	10259	11.932	ug/L	92
14) Carbon disulfide	4.270	76	192189	15.766	ug/L	100
15) Methyl Acetate	4.564	43	13005	11.101	ug/L #	75
16) Methylene chloride	4.799	84	71205	15.837	ug/L	95
17) trans-1,2-Dichloroethene	5.311	96	62561	16.566	ug/L	89
18) Methyl tert-butyl Ether	5.322	73	94616	14.127	ug/L #	89
19) 1,1-Dichloroethane	6.111	63	103218	16.976	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	66665	16.953	ug/L	98
22) 2-Butanone	7.087	43	13497	14.943	ug/L	99
23) Bromochloromethane	7.422	128	30564	15.331	ug/L	96
25) Chloroform	7.593	83	116969	16.944	ug/L	93

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 Response via : Initial Calibration

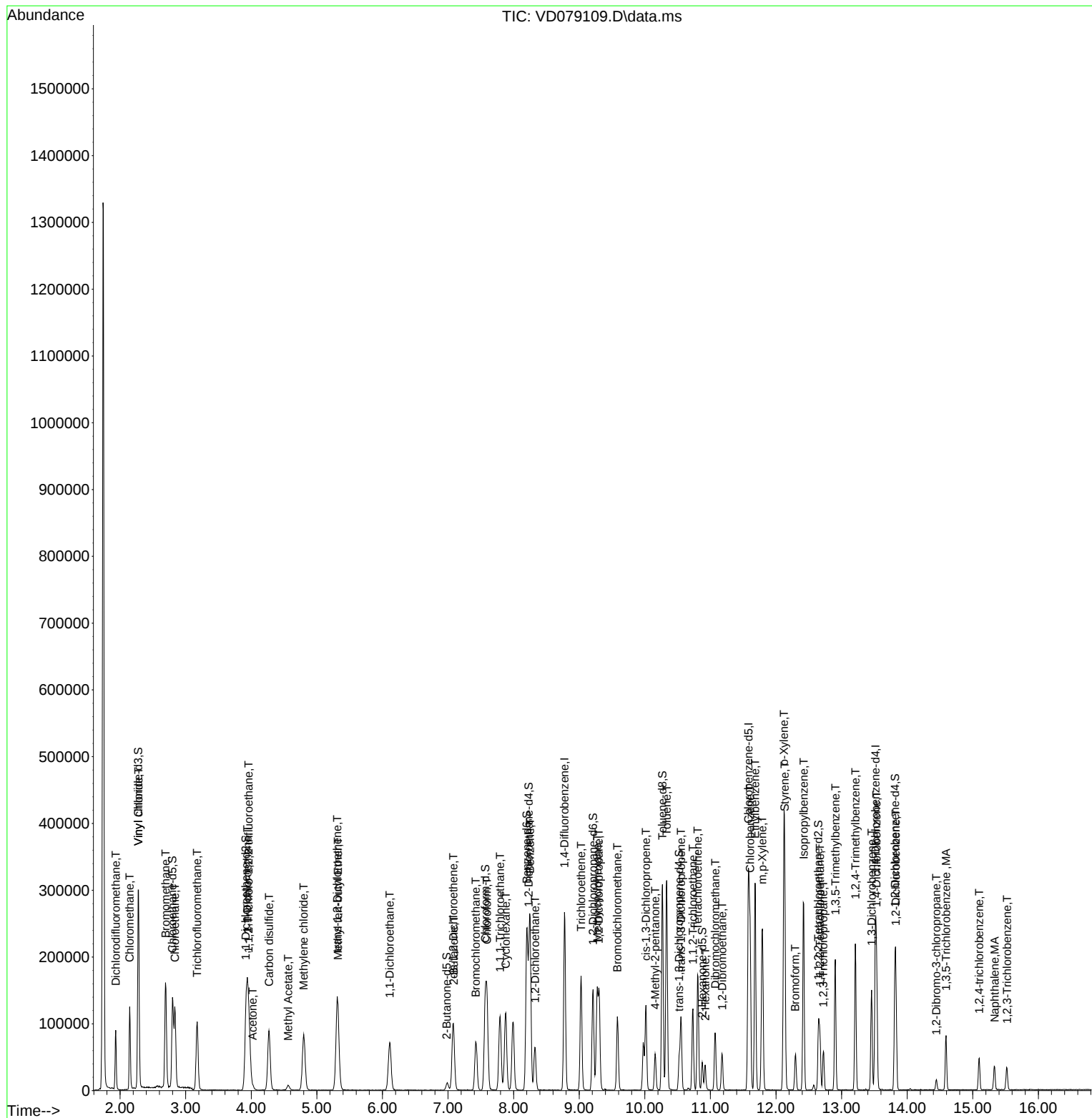
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	58172	14.517	ug/L #	92
29) Cyclohexane	7.881	56	57259	16.190	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	94971	20.464	ug/L	99
33) Benzene	8.252	78	259532	22.230	ug/L	100
34) Trichloroethene	9.028	95	59348	19.737	ug/L	96
35) Methylcyclohexane	9.275	83	63019	12.648	ug/L	100
37) 1,2-Dichloropropane	9.299	63	57791	20.209	ug/L #	94
38) Bromodichloromethane	9.581	83	75870	19.085	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	79087	17.717	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	34265	28.704	ug/L	96
42) Toluene	10.334	91	254622	19.641	ug/L	98
44) trans-1,3-Dichloropropene	10.552	75	63973	16.947	ug/L	94
45) 1,1,2-Trichloroethane	10.734	97	41884	16.695	ug/L	96
46) Tetrachloroethene	10.805	164	41925	15.835	ug/L	97
48) 2-Hexanone	10.922	43	22008	21.306	ug/L	98
49) Dibromochloromethane	11.075	129	47108	15.857	ug/L	96
50) 1,2-Dibromoethane	11.181	107	36086	15.651	ug/L #	87
51) Chlorobenzene	11.604	112	140372	16.274	ug/L	95
52) Ethylbenzene	11.681	91	224404	16.595	ug/L	100
53) m,p-Xylene	11.793	106	87703	16.531	ug/L	95
54) o-Xylene	12.122	106	83234	16.238	ug/L	88
55) Styrene	12.134	104	138696	15.261	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.669	83	36408	12.965	ug/L	99
59) Bromoform	12.293	173	25215	21.504	ug/L	99
60) Isopropylbenzene	12.422	105	187971	22.220	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	24917	22.059	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	107254	18.543	ug/L	97
63) 1,2,4-Trimethylbenzene	13.210	105	117373	18.972	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	67561	16.624	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	70464	16.364	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	58157	15.480	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.445	75	3870	16.667	ug/L #	74
69) 1,3,5-Trichlorobenzene	14.593	180	26200	10.222	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	17078	8.023	ug/L	96
71) Naphthalene	15.334	128	33332	8.373	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	13146	7.145	ug/L	96

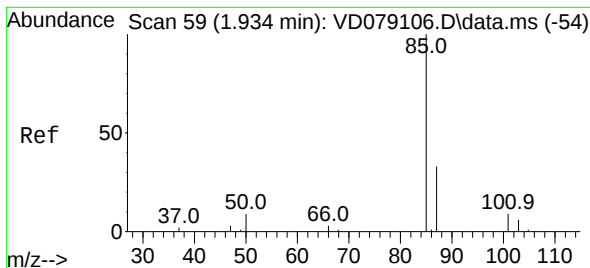
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#2

Dichlorodifluoromethane

Concen: 15.839 ug/L

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

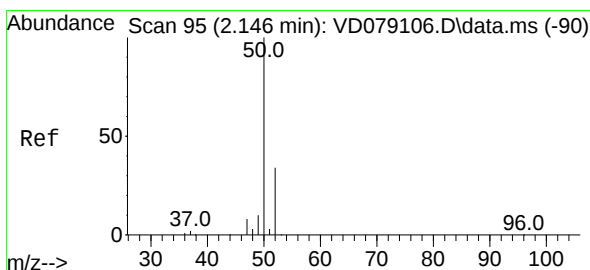
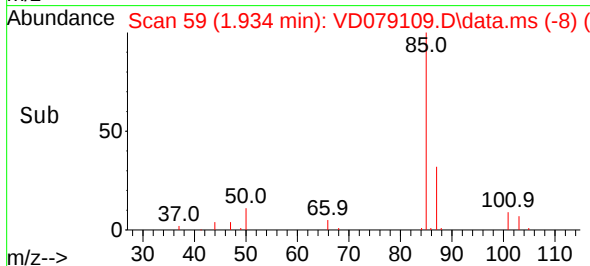
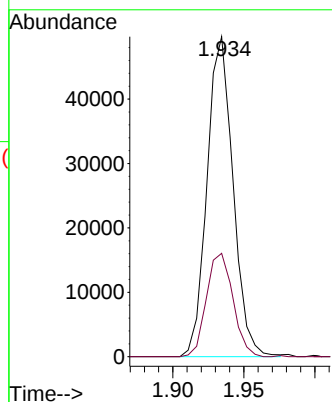
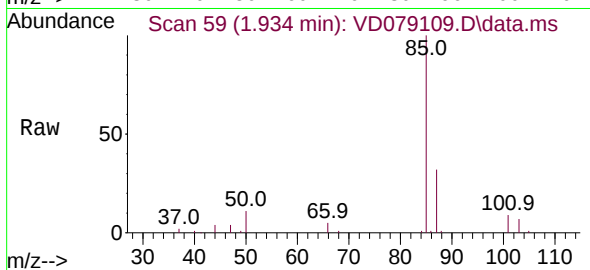
ClientSampleId :

Tgt Ion: 85 Resp: 63267

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



#3

Chloromethane

Concen: 17.917 ug/L

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD079109.D

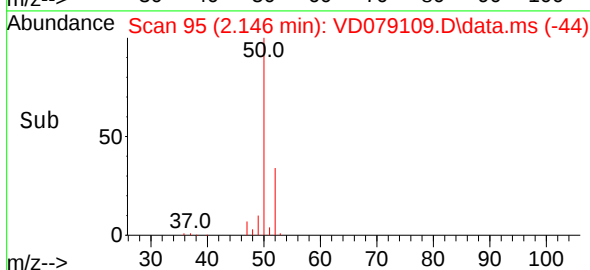
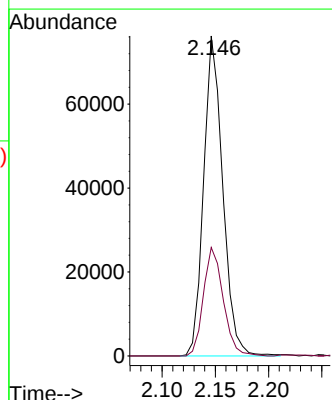
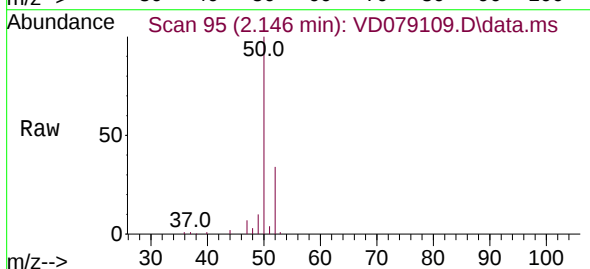
Acq: 31 May 2024 15:22

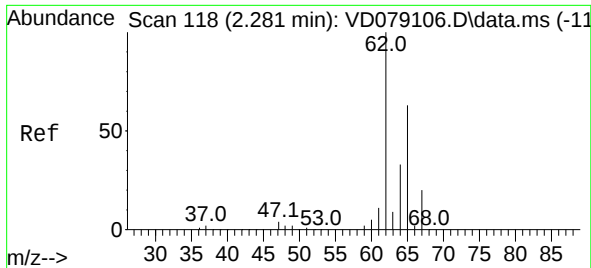
Tgt Ion: 50 Resp: 95384

Ion Ratio Lower Upper

50 100

52 33.9 24.4 45.2

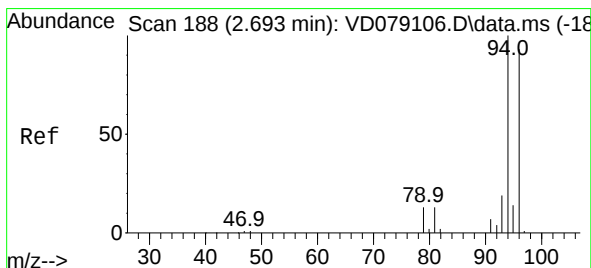
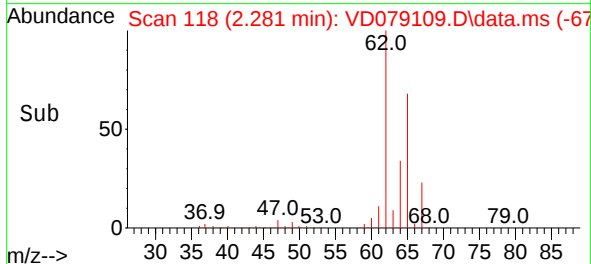
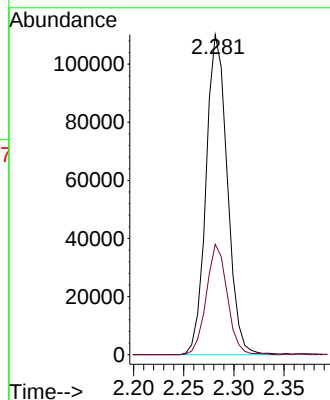
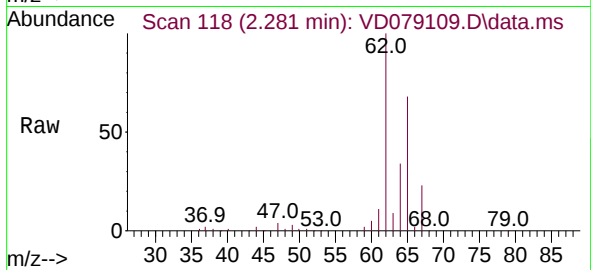




#5
 Vinyl chloride
 Concen: 18.531 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD079109.D
 Acq: 31 May 2024 15:22

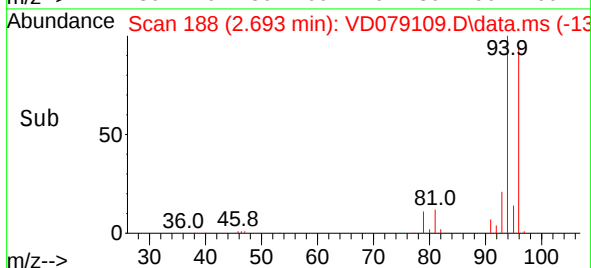
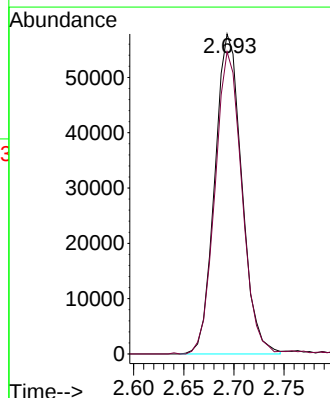
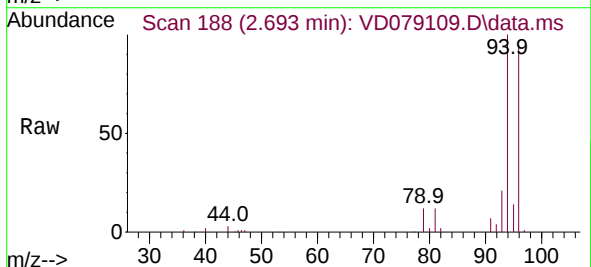
Instrument :
 MSVOA_D
 ClientSampleId :

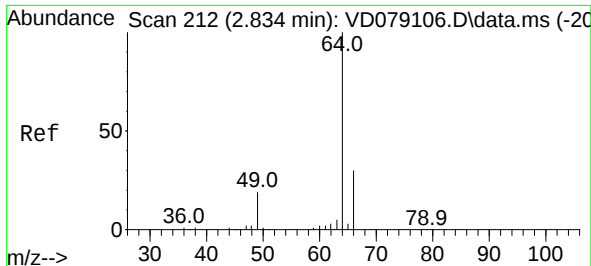
Tgt Ion: 62 Resp: 162828
 Ion Ratio Lower Upper
 62 100
 64 34.5 24.8 46.1



#6
 Bromomethane
 Concen: 15.948 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD079109.D
 Acq: 31 May 2024 15:22

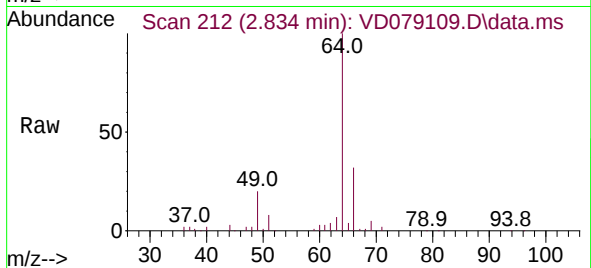
Tgt Ion: 94 Resp: 108185
 Ion Ratio Lower Upper
 94 100
 96 94.4 63.6 118.2



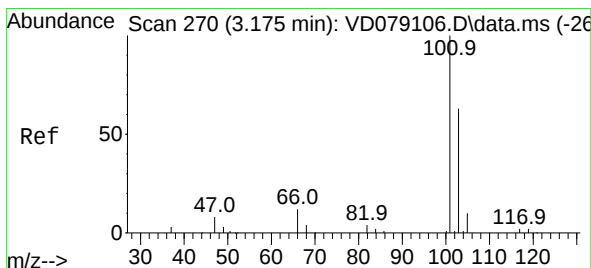
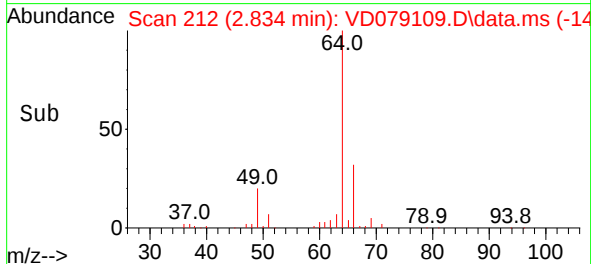
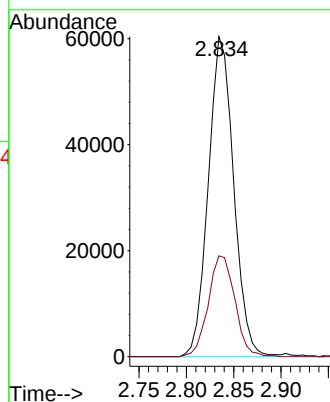


#8
Chloroethane
Concen: 17.462 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

Instrument :
MSVOA_D
ClientSampleId :

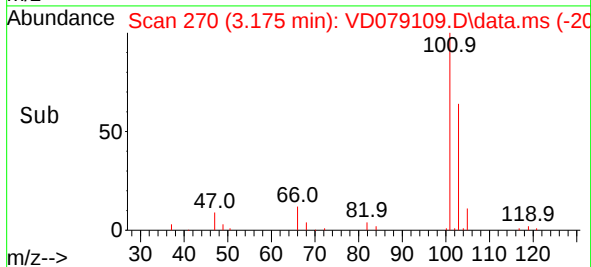
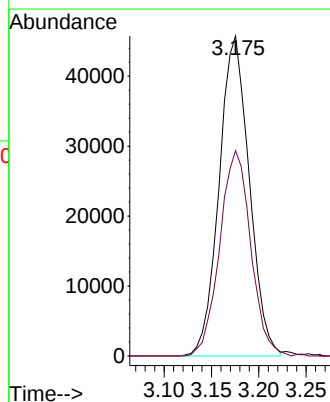
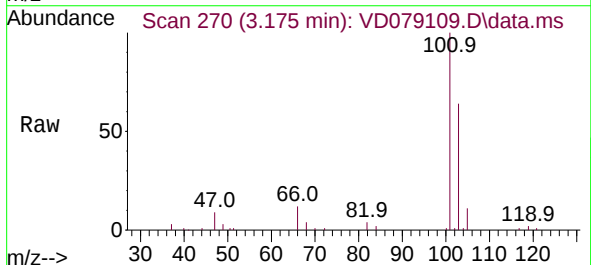


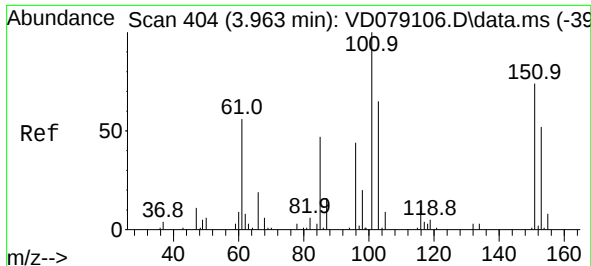
Tgt Ion: 64 Resp: 112458
Ion Ratio Lower Upper
64 100
66 31.5 24.8 46.1



#9
Trichlorofluoromethane
Concen: 15.130 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

Tgt Ion:101 Resp: 101274
Ion Ratio Lower Upper
101 100
103 65.9 52.6 79.0





#10

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

Concen: 7.777 ug/L

RT: 3.958 min Scan# 40

Delta R.T. -0.006 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

ClientSampleId :

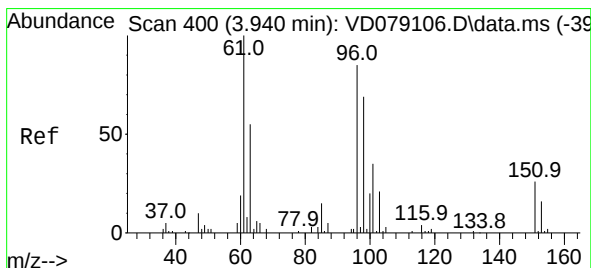
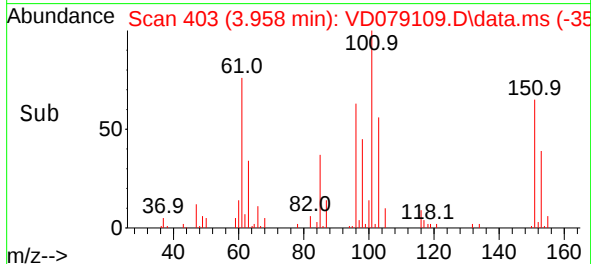
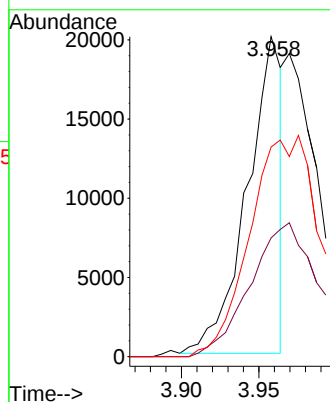
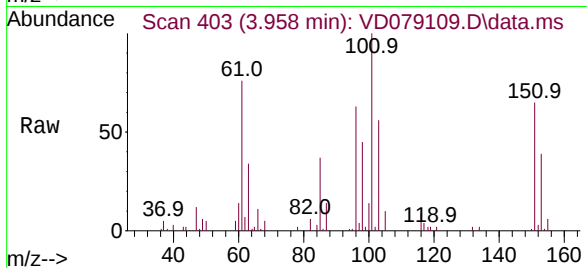
Tgt Ion:101 Resp: 31215

Ion Ratio Lower Upper

101 100

85 82.0 35.4 53.0#

151 84.0 59.1 88.7



#12

1,1-Dichloroethene

Concen: 16.900 ug/L

RT: 3.940 min Scan# 400

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

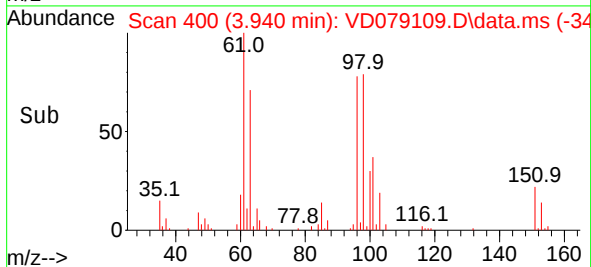
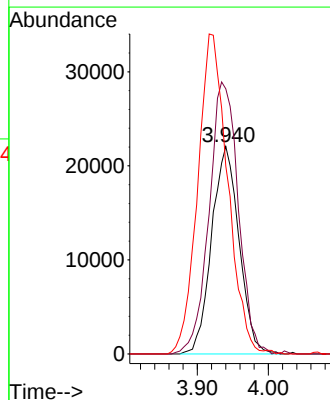
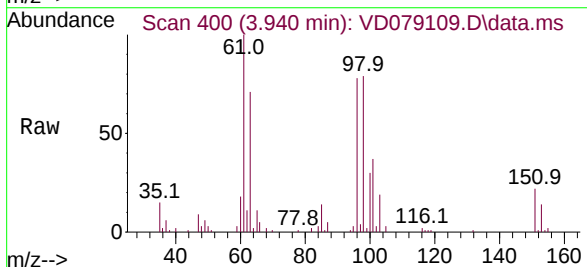
Tgt Ion: 96 Resp: 59058

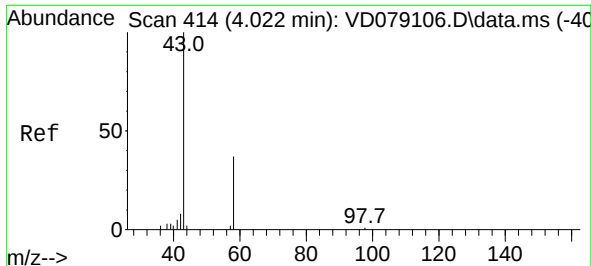
Ion Ratio Lower Upper

96 100

61 127.7 93.9 174.3

63 90.5 67.7 125.7





#13

Acetone

Concen: 11.932 ug/L

RT: 4.023 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD079109.D

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MSVOA_D

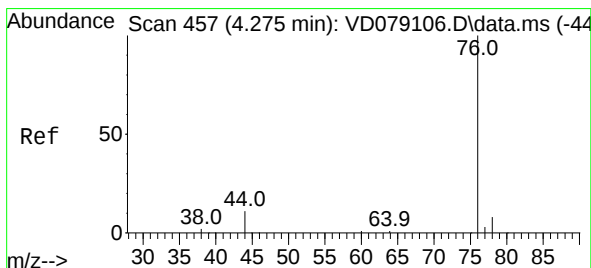
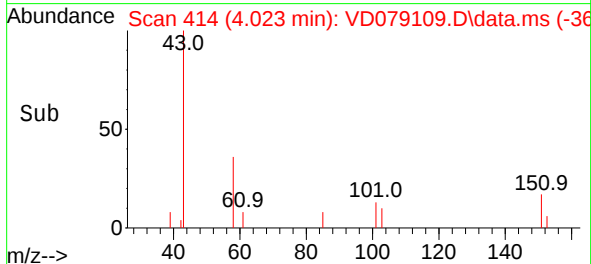
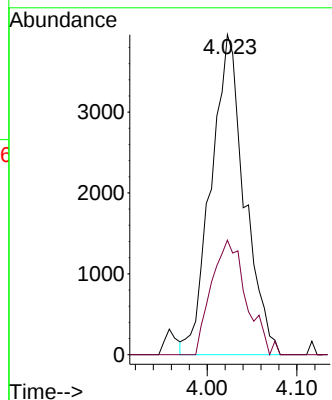
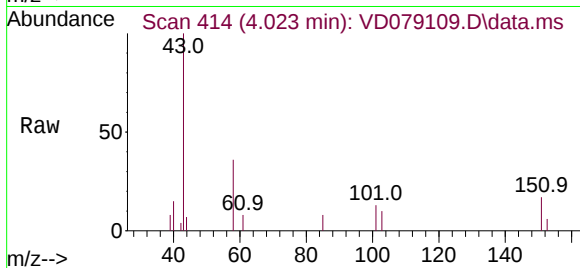
ClientSampleId :

Tgt Ion: 43 Resp: 10259

Ion Ratio Lower Upper

43 100

58 34.1 0.0 78.2



#14

Carbon disulfide

Concen: 15.766 ug/L

RT: 4.270 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD079109.D

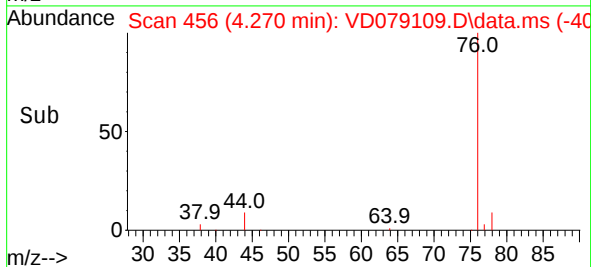
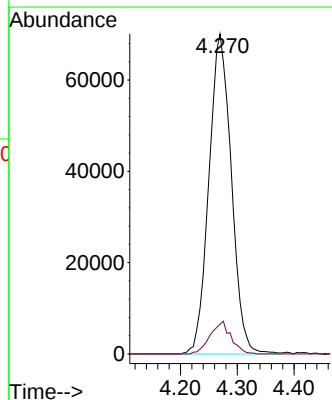
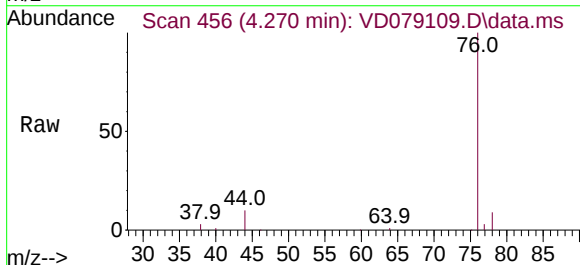
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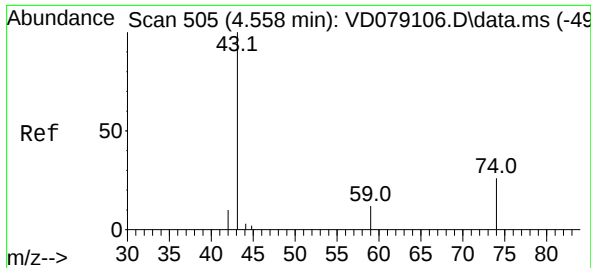
Tgt Ion: 76 Resp: 192189

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

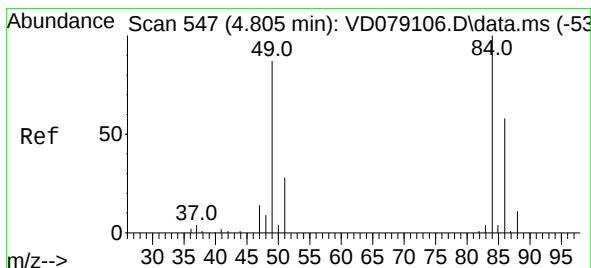
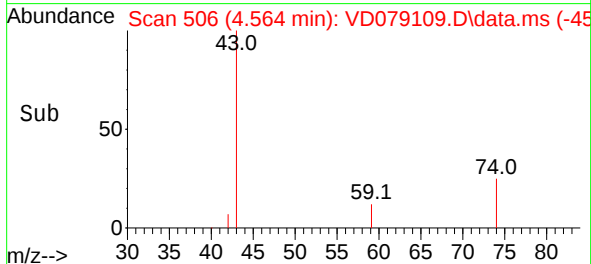
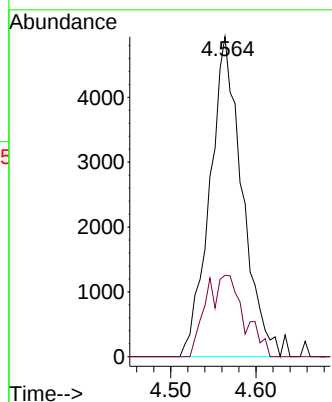
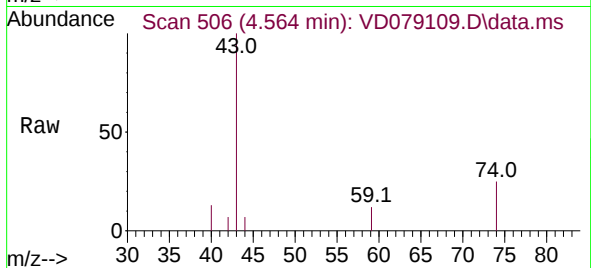




#15
Methyl Acetate
Concen: 11.101 ug/L
RT: 4.564 min Scan# 505
Delta R.T. 0.006 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

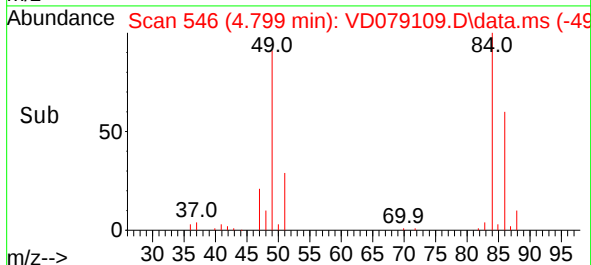
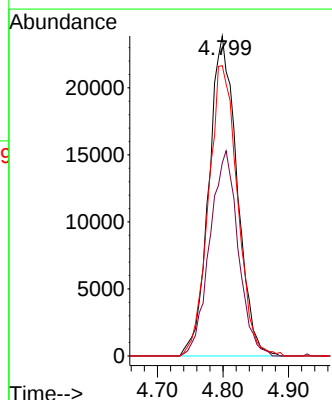
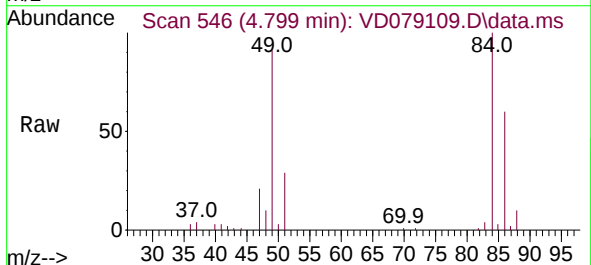
Instrument :
MSVOA_D
ClientSampleId :

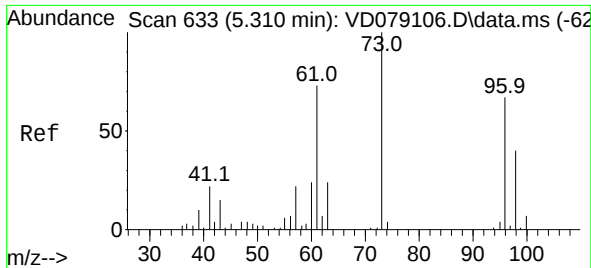
Tgt Ion: 43 Resp: 13005
Ion Ratio Lower Upper
43 100
74 16.0 23.8 35.6#



#16
Methylene chloride
Concen: 15.837 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

Tgt Ion: 84 Resp: 71205
Ion Ratio Lower Upper
84 100
86 60.4 40.9 76.0
49 90.7 67.5 125.3





#17

trans-1,2-Dichloroethene

Concen: 16.566 ug/L

RT: 5.311 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

ClientSampleId :

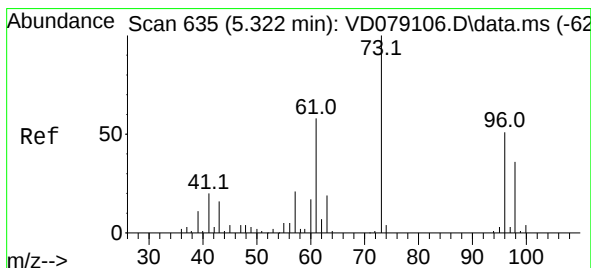
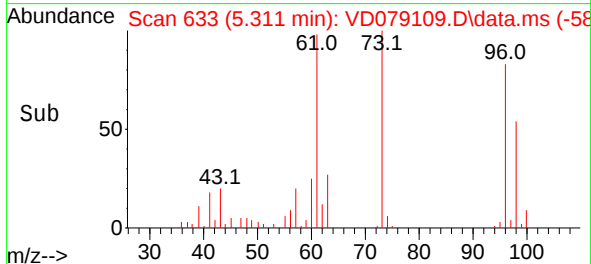
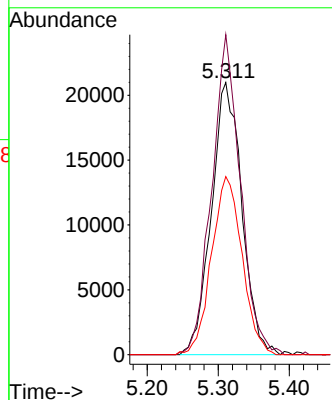
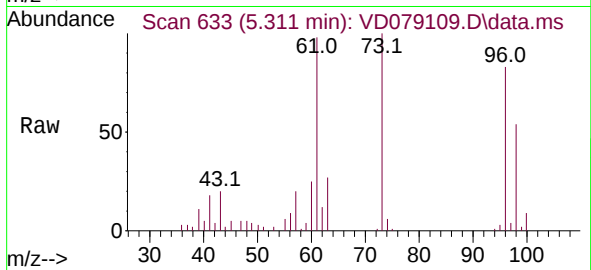
Tgt Ion: 96 Resp: 62561

Ion Ratio Lower Upper

96 100

61 117.6 71.9 133.5

98 65.4 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 14.127 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

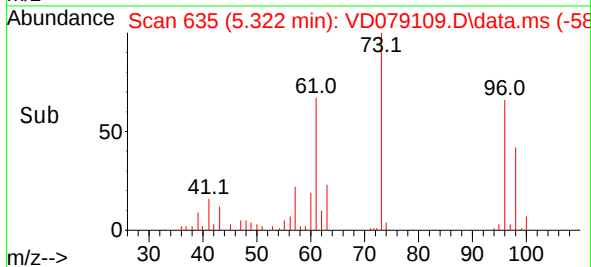
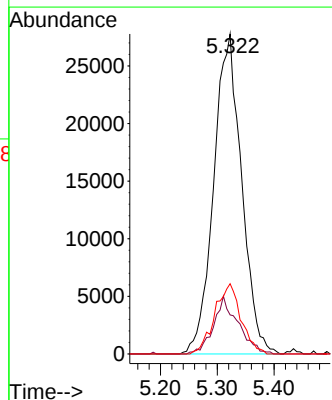
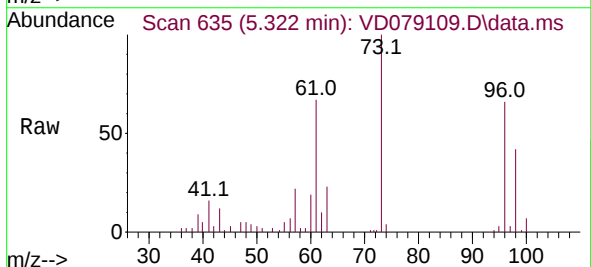
Tgt Ion: 73 Resp: 94616

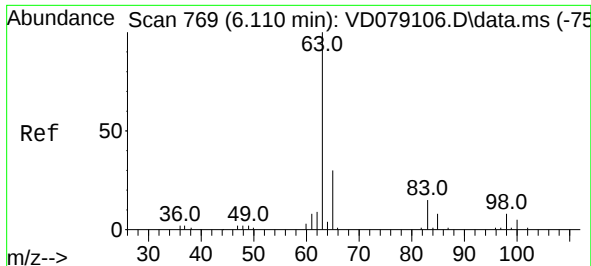
Ion Ratio Lower Upper

73 100

43 15.7 12.0 18.0

57 20.7 9.6 14.4#





#19

1,1-Dichloroethane

Concen: 16.976 ug/L

RT: 6.111 min Scan# 7

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

ClientSampleId :

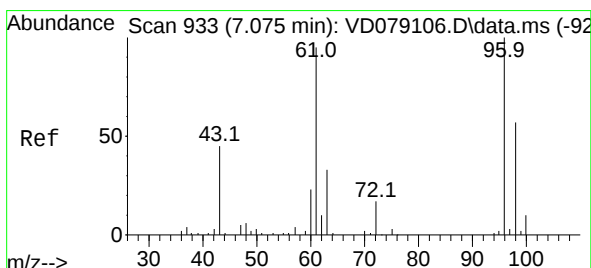
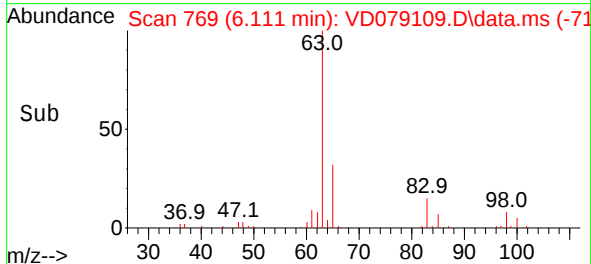
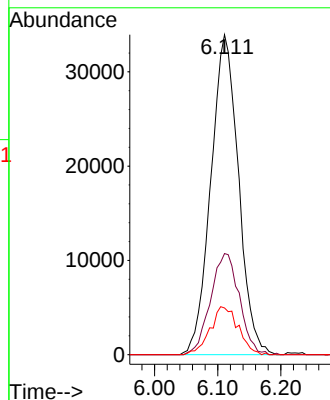
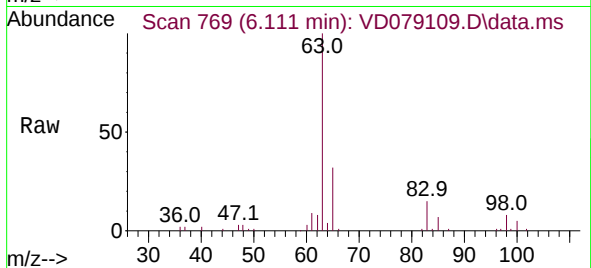
Tgt Ion: 63 Resp: 103218

Ion Ratio Lower Upper

63 100

65 31.6 22.8 42.4

83 14.6 8.6 16.0



#20

cis-1,2-Dichloroethene

Concen: 16.953 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

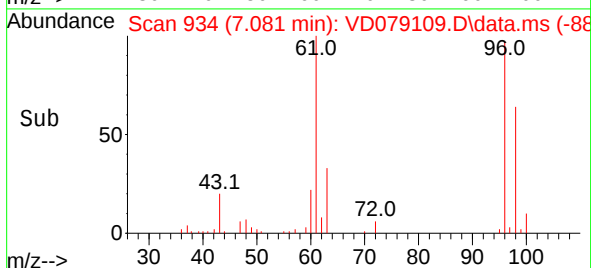
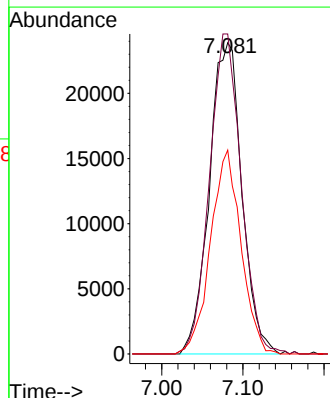
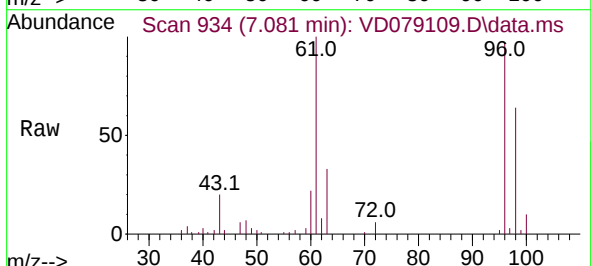
Tgt Ion: 96 Resp: 66665

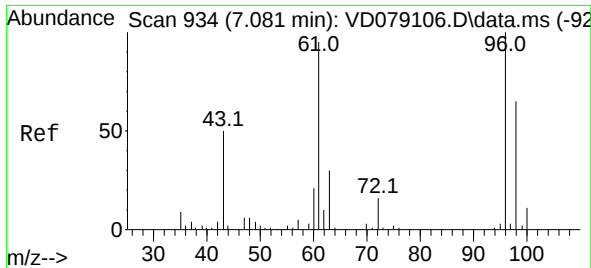
Ion Ratio Lower Upper

96 100

61 102.8 72.6 134.8

98 65.5 43.8 81.3

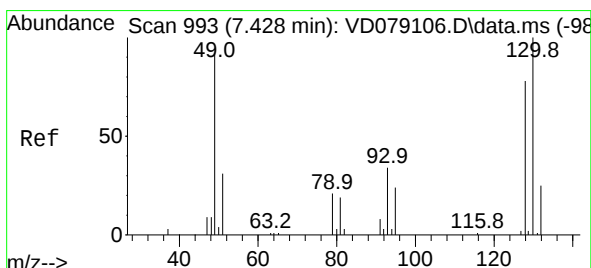
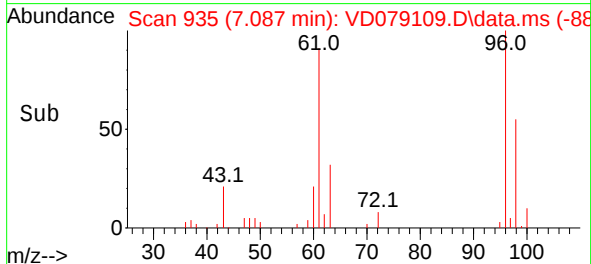
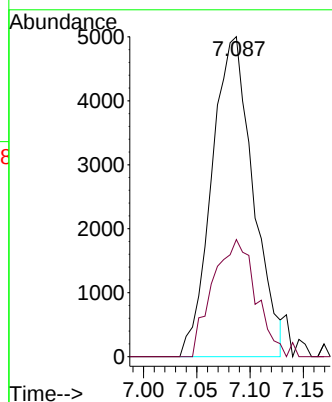
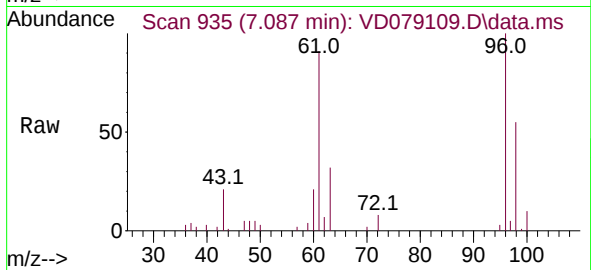




#22
2-Butanone
Concen: 14.943 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

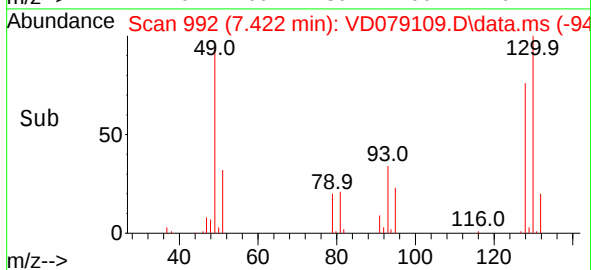
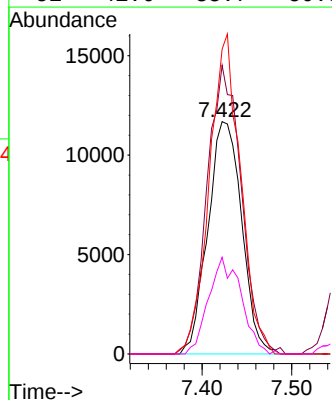
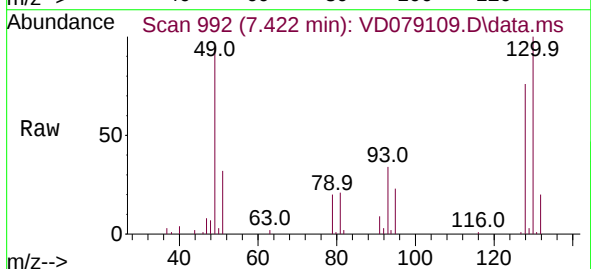
Instrument :
MSVOA_D
ClientSampleId :

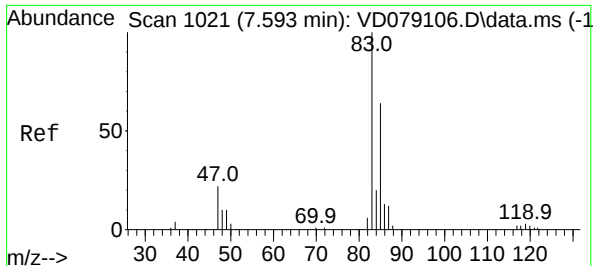
Tgt Ion: 43 Resp: 13497
Ion Ratio Lower Upper
43 100
72 38.0 19.3 57.8



#23
Bromochloromethane
Concen: 15.331 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

Tgt Ion:128 Resp: 30564
Ion Ratio Lower Upper
128 100
49 124.2 81.8 151.8
130 131.1 90.4 167.8
51 41.6 33.7 50.5

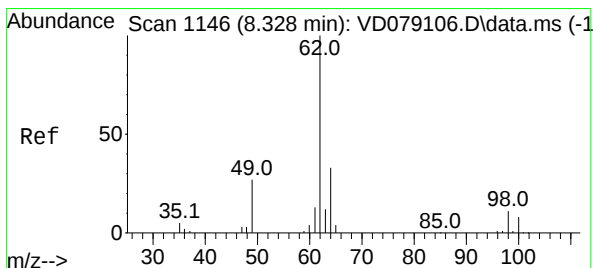
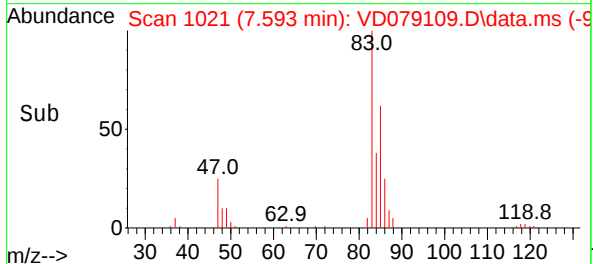
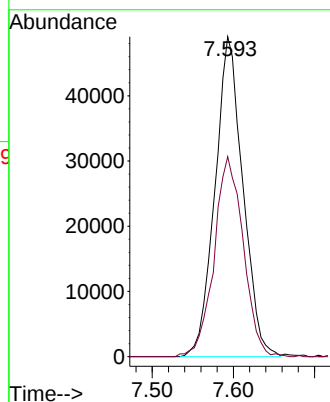
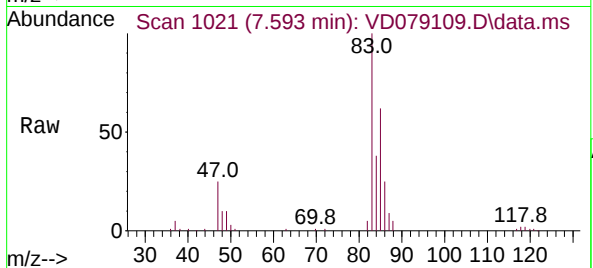




#25
Chloroform
Concen: 16.944 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

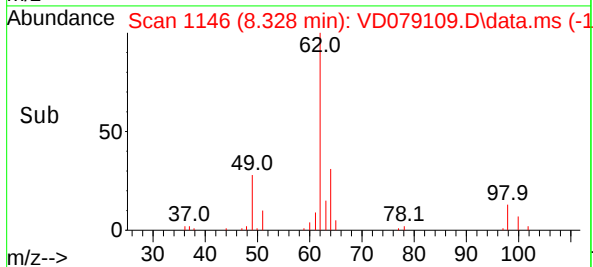
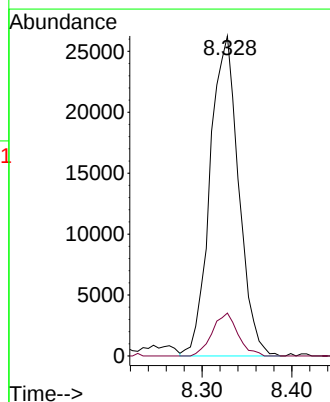
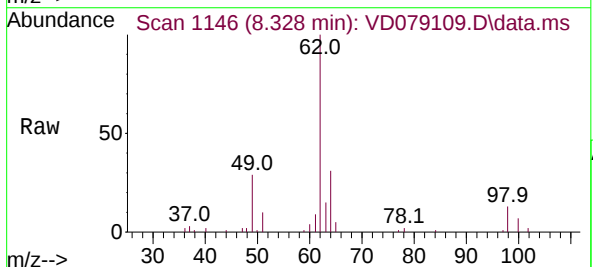
Instrument :
MSVOA_D
ClientSampleId :

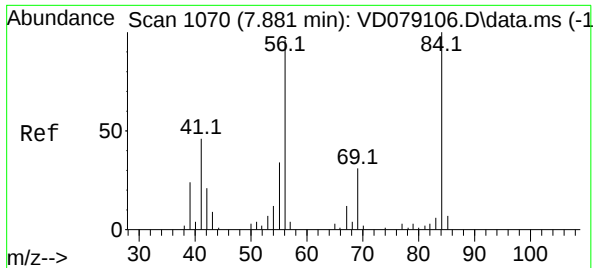
Tgt Ion: 83 Resp: 116969
Ion Ratio Lower Upper
83 100
85 62.5 47.9 89.1



#27
1,2-Dichloroethane
Concen: 14.517 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

Tgt Ion: 62 Resp: 58172
Ion Ratio Lower Upper
62 100
98 13.4 8.2 12.4#





#29

Cyclohexane

Concen: 16.190 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

ClientSampleId :

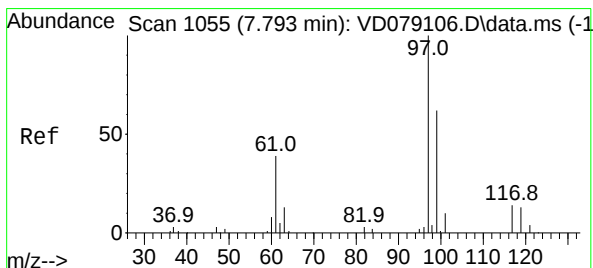
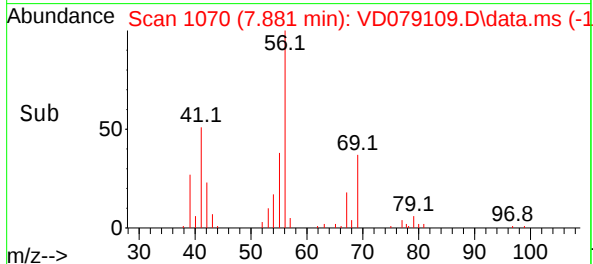
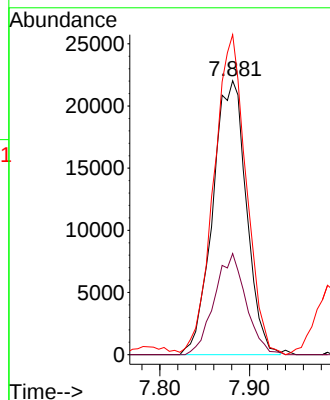
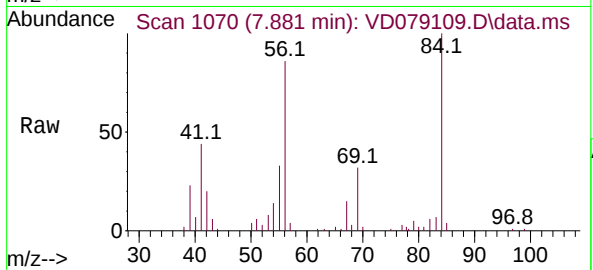
Tgt Ion: 56 Resp: 57259

Ion Ratio Lower Upper

56 100

69 34.6 26.6 40.0

84 112.4 87.5 131.3



#30

1,1,1-Trichloroethane

Concen: 20.464 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

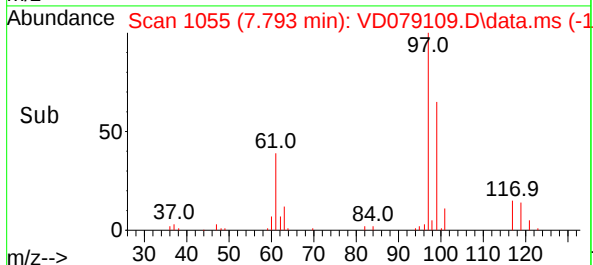
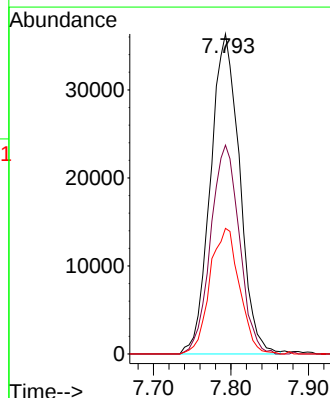
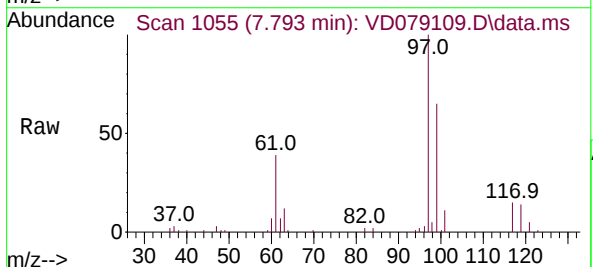
Tgt Ion: 97 Resp: 94971

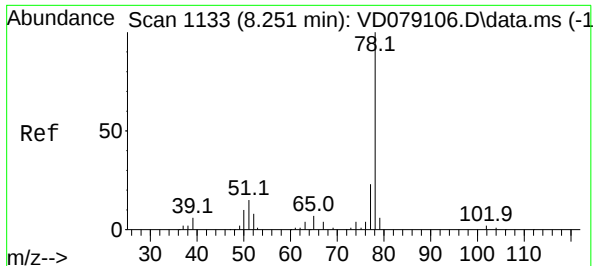
Ion Ratio Lower Upper

97 100

99 64.5 52.3 78.5

61 39.9 31.7 47.5





#33

Benzene

Concen: 22.230 ug/L

RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD079109.D

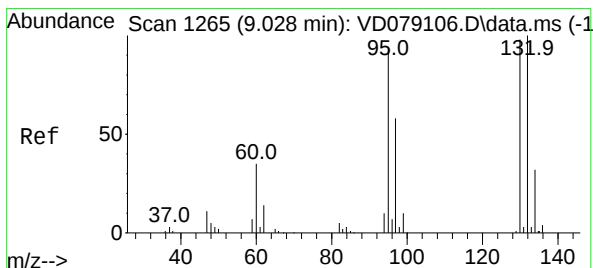
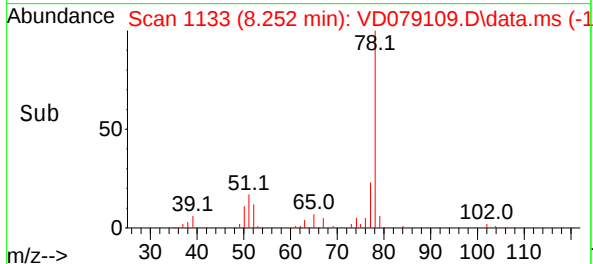
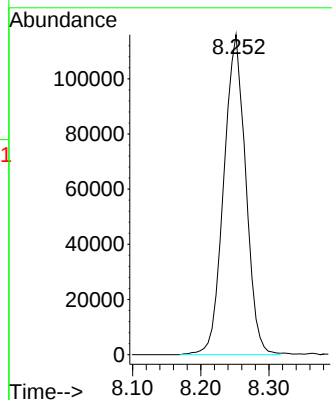
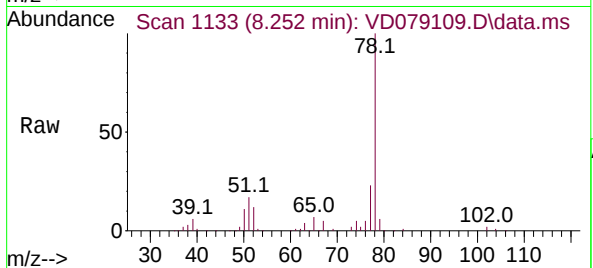
Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 78 Resp: 259532



#34

Trichloroethene

Concen: 19.737 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Tgt Ion: 95 Resp: 59348

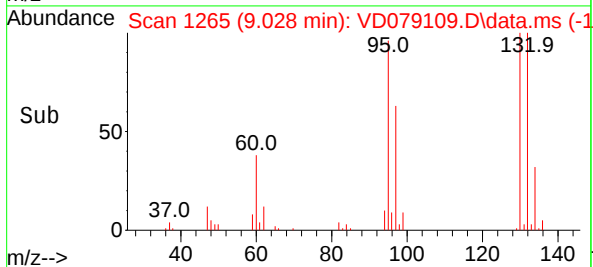
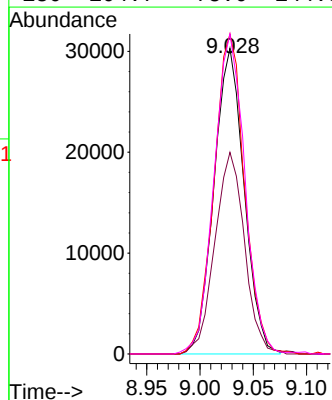
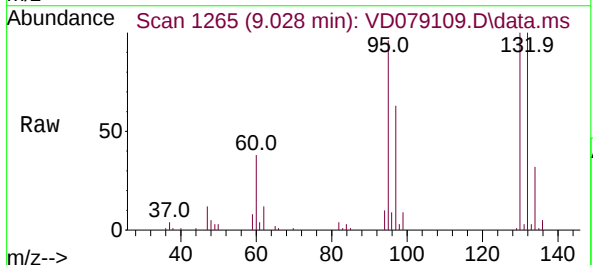
Ion Ratio Lower Upper

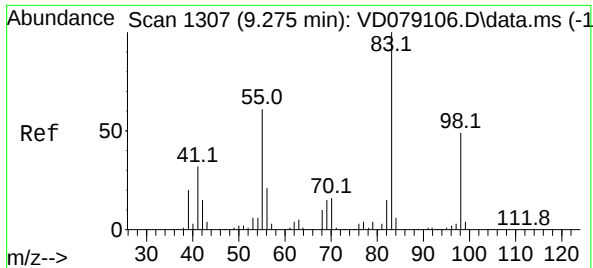
95 100

97 65.9 44.6 82.8

132 104.7 74.9 139.1

130 104.7 78.0 144.8

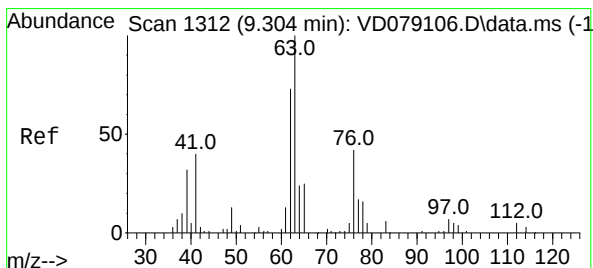
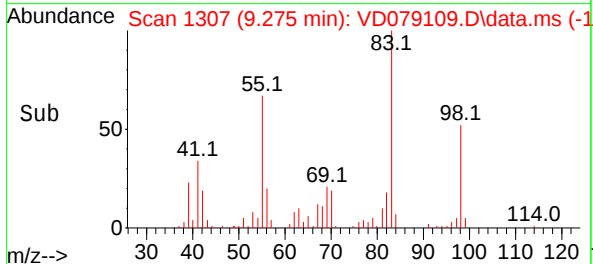
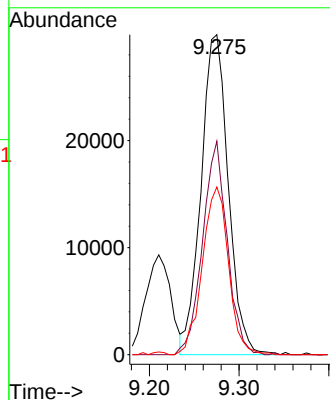
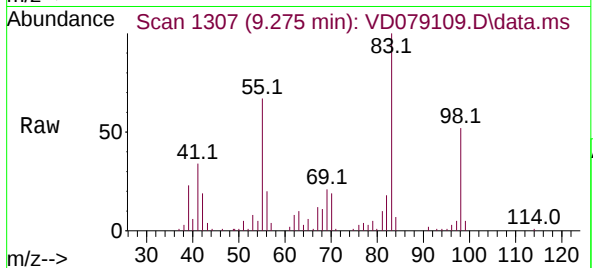




#35
Methylcyclohexane
Concen: 12.648 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

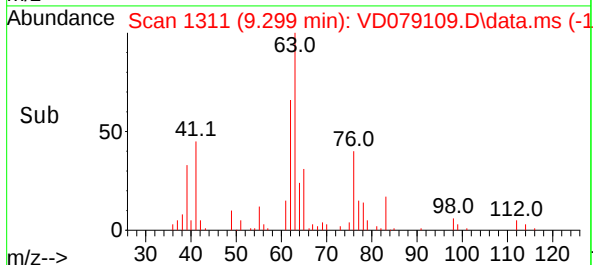
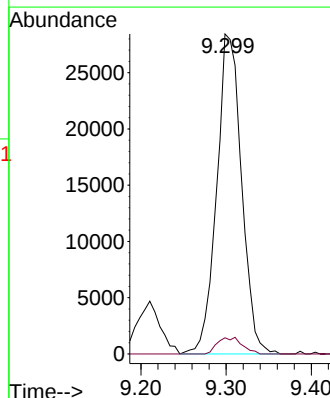
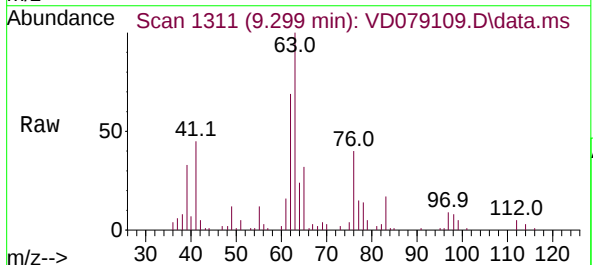
Instrument :
MSVOA_D
ClientSampleId :

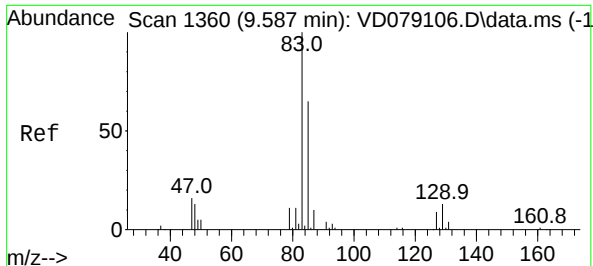
Tgt Ion: 83 Resp: 63019
Ion Ratio Lower Upper
83 100
55 60.2 48.6 72.8
98 50.3 40.2 60.2



#37
1,2-Dichloropropane
Concen: 20.209 ug/L
RT: 9.299 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

Tgt Ion: 63 Resp: 57791
Ion Ratio Lower Upper
63 100
112 3.0 3.9 5.9#

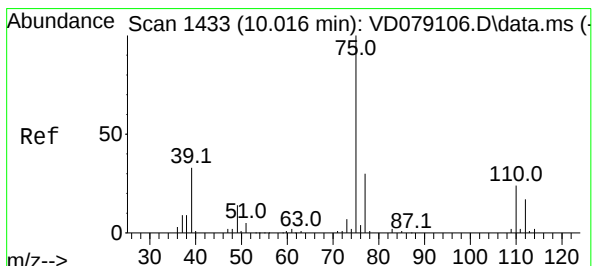
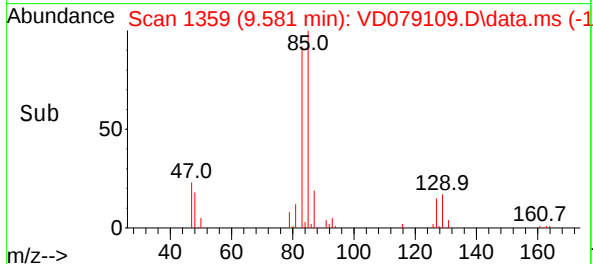
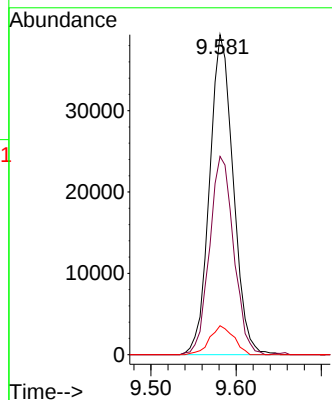
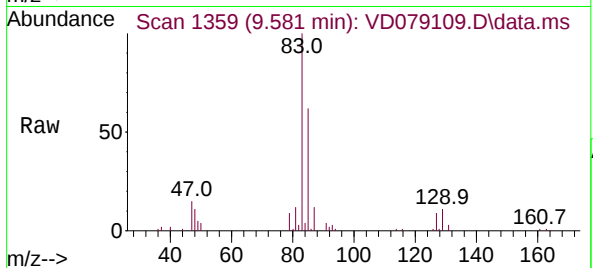




#38
Bromodichloromethane
Concen: 19.085 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

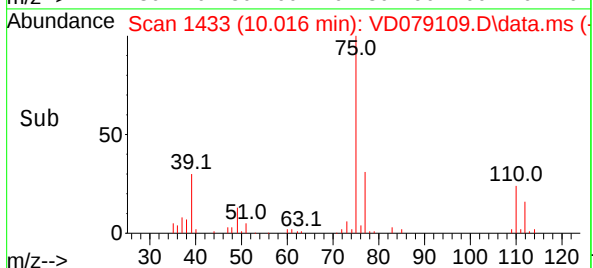
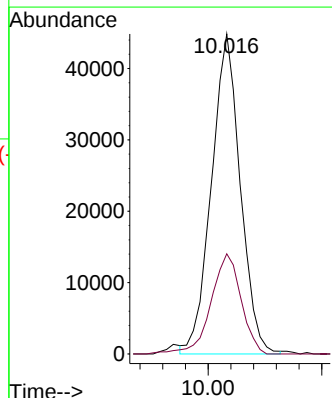
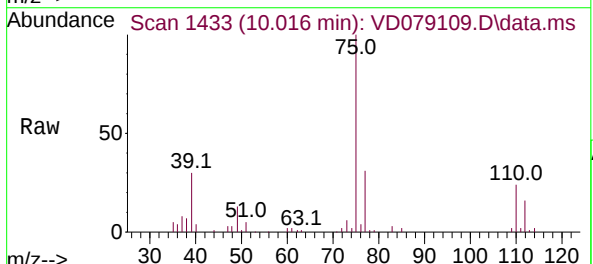
Instrument :
MSVOA_D
ClientSampleId :

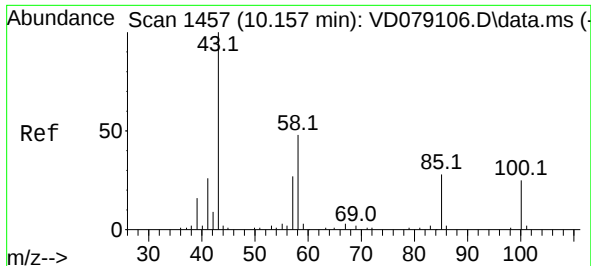
Tgt Ion: 83 Resp: 75870
Ion Ratio Lower Upper
83 100
85 61.9 46.5 86.5
127 9.0 7.0 10.6



#39
cis-1,3-Dichloropropene
Concen: 17.717 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

Tgt Ion: 75 Resp: 79087
Ion Ratio Lower Upper
75 100
77 31.3 23.4 43.4





#40

4-Methyl-2-pentanone

Concen: 28.704 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

ClientSampleId :

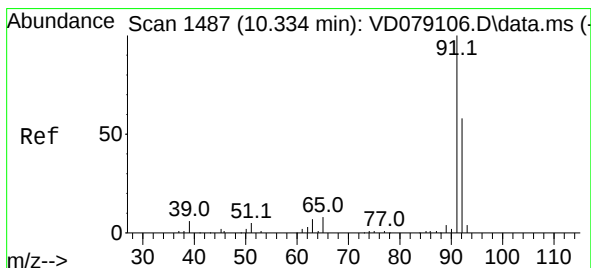
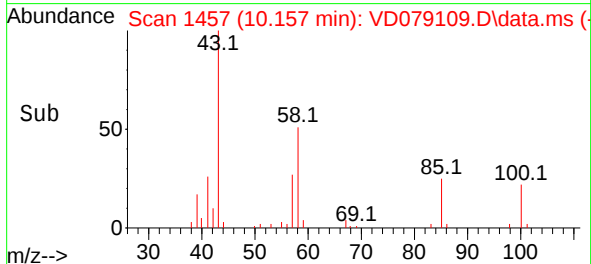
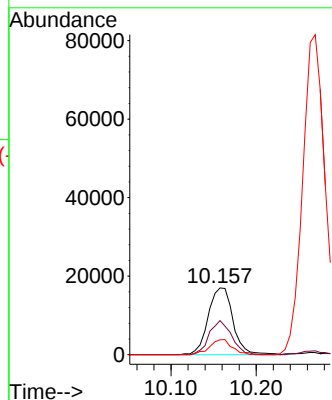
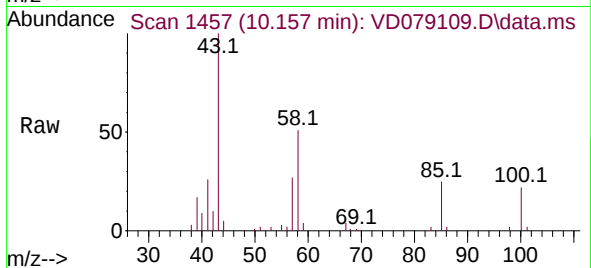
Tgt Ion: 43 Resp: 34265

Ion Ratio Lower Upper

43 100

58 46.0 34.0 51.0

100 20.1 16.9 25.3



#42

Toluene

Concen: 19.641 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD079109.D

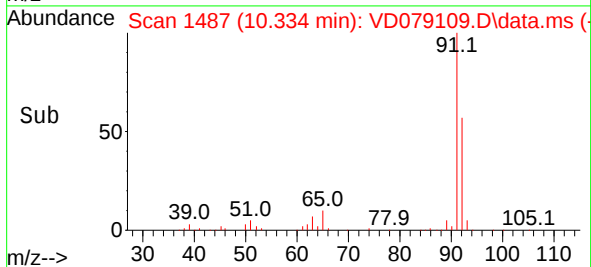
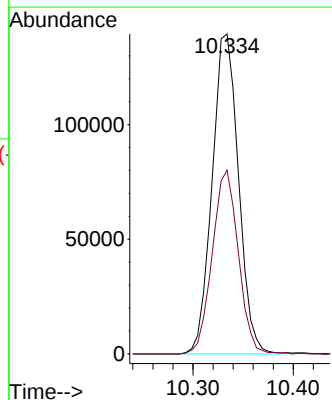
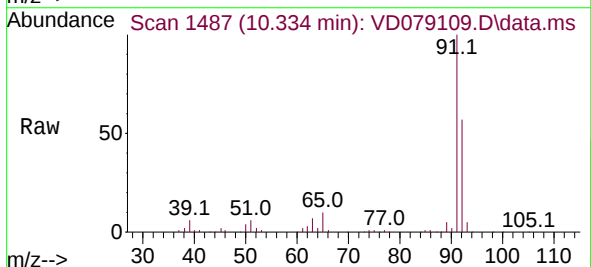
Acq: 31 May 2024 15:22

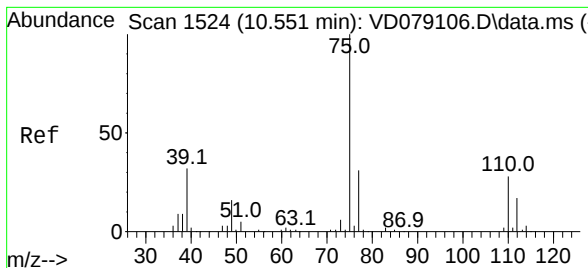
Tgt Ion: 91 Resp: 254622

Ion Ratio Lower Upper

91 100

92 57.4 38.9 72.3

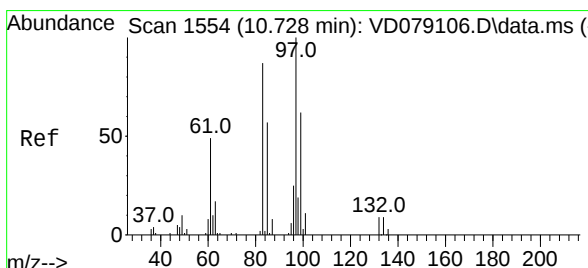
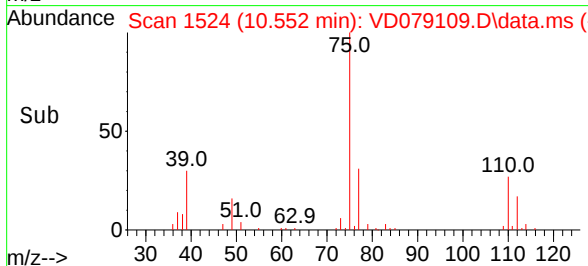
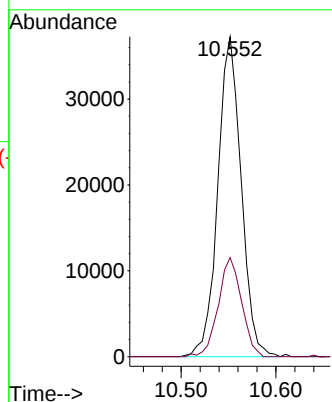
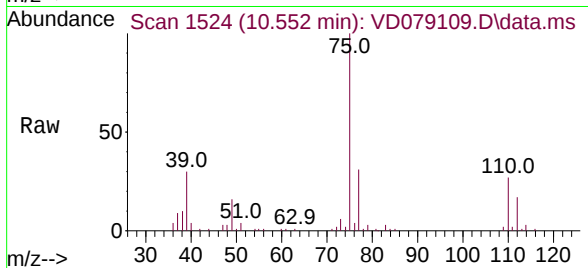




#44
trans-1,3-Dichloropropene
Concen: 16.947 ug/L
RT: 10.552 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

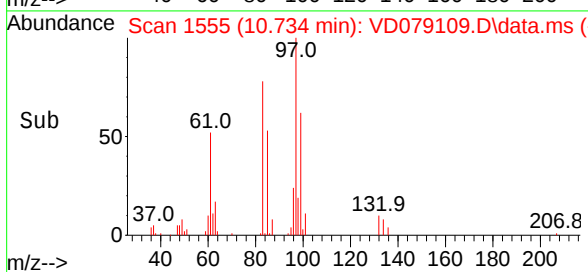
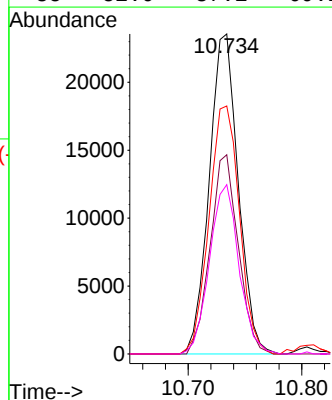
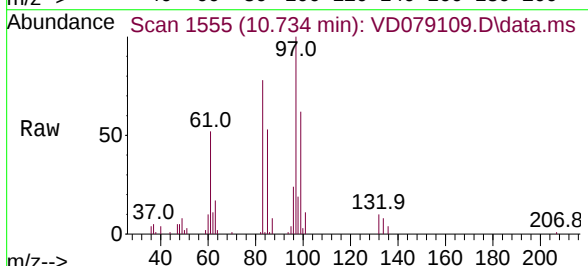
Instrument :
MSVOA_D
ClientSampleId :

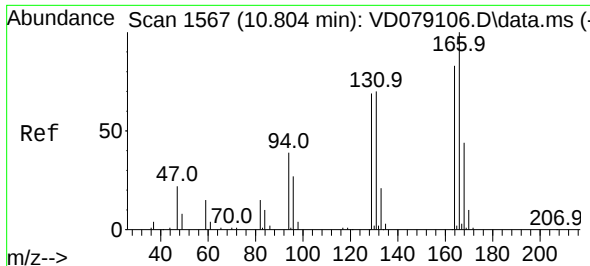
Tgt Ion: 75 Resp: 63973
Ion Ratio Lower Upper
75 100
77 30.9 24.3 45.1



#45
1,1,2-Trichloroethane
Concen: 16.695 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

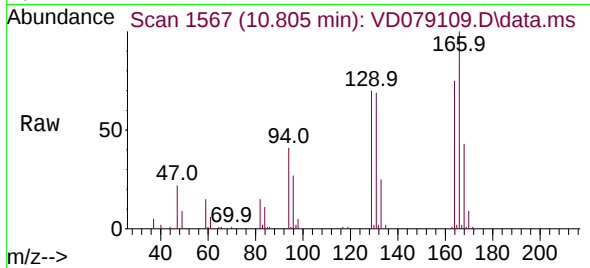
Tgt Ion: 97 Resp: 41884
Ion Ratio Lower Upper
97 100
99 62.2 43.0 79.8
83 77.5 58.9 109.5
85 52.9 37.2 69.2



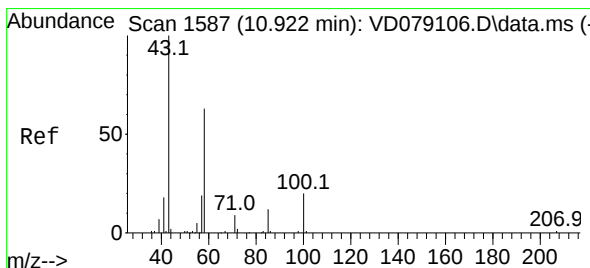
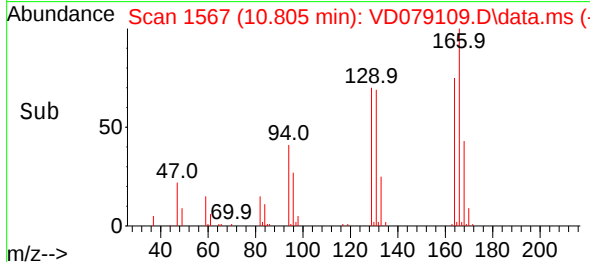
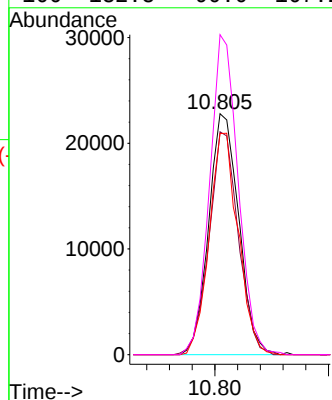


#46
Tetrachloroethene
Concen: 15.835 ug/L
RT: 10.805 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

Instrument :
MSVOA_D
ClientSampleId :

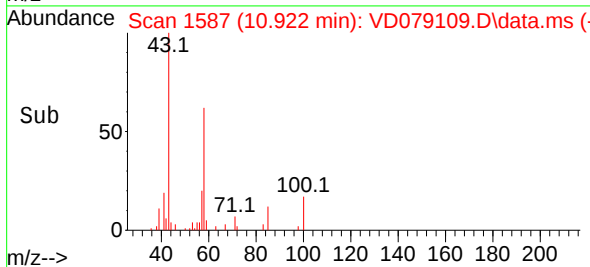
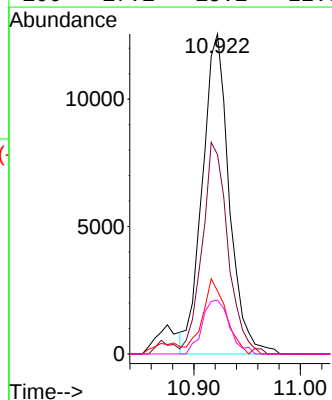
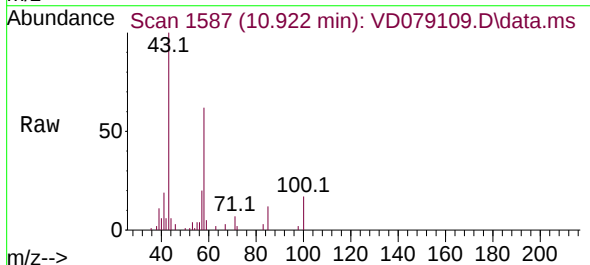


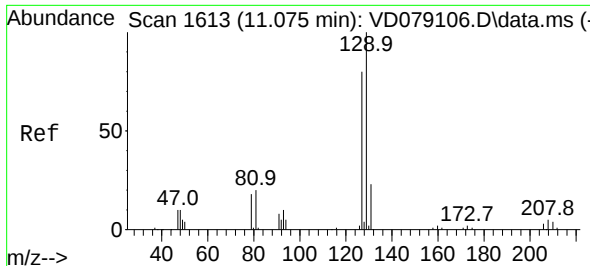
Tgt Ion:164 Resp: 41925
Ion Ratio Lower Upper
164 100
129 92.5 64.3 119.5
131 91.8 61.2 113.8
166 132.8 90.0 167.2



#48
2-Hexanone
Concen: 21.306 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

Tgt Ion: 43 Resp: 22008
Ion Ratio Lower Upper
43 100
58 63.4 50.1 75.1
57 20.2 16.5 24.7
100 17.1 15.2 22.8





#49

Dibromochloromethane

Concen: 15.857 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

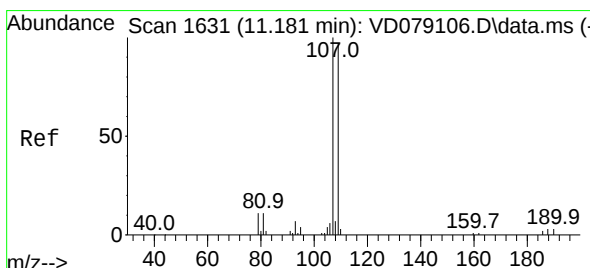
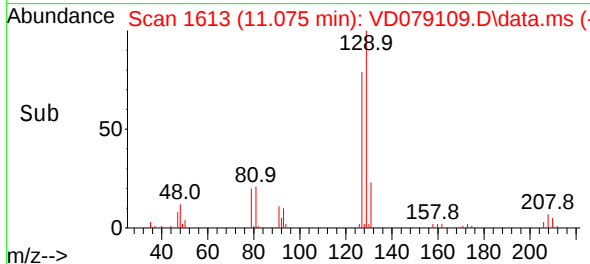
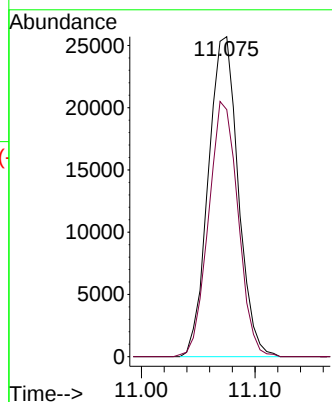
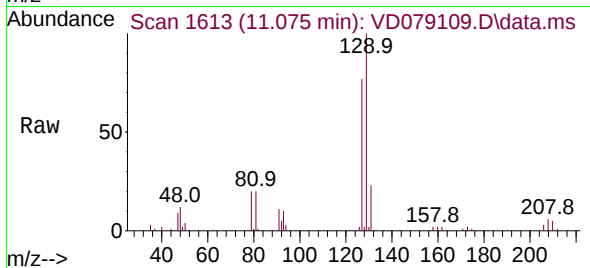
ClientSampleId :

Tgt Ion:129 Resp: 47108

Ion Ratio Lower Upper

129 100

127 77.2 56.4 104.7



#50

1,2-Dibromoethane

Concen: 15.651 ug/L

RT: 11.181 min Scan# 1631

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

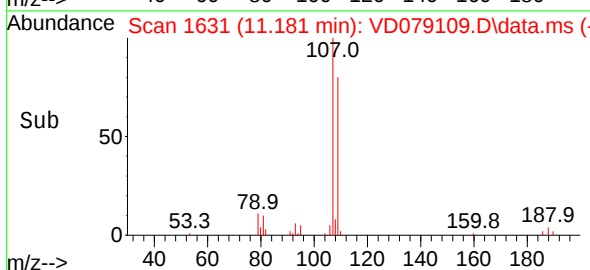
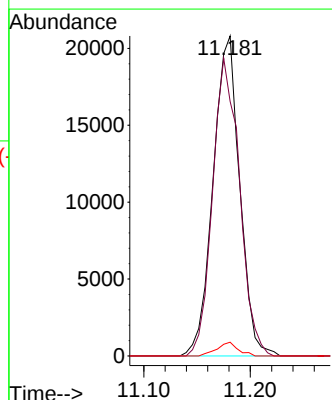
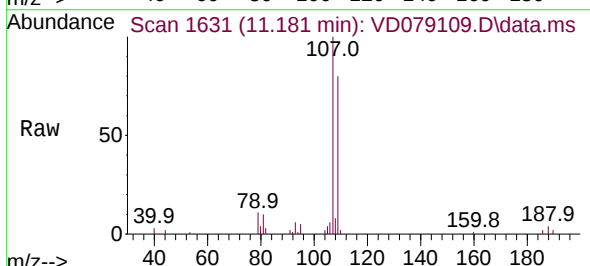
Tgt Ion:107 Resp: 36086

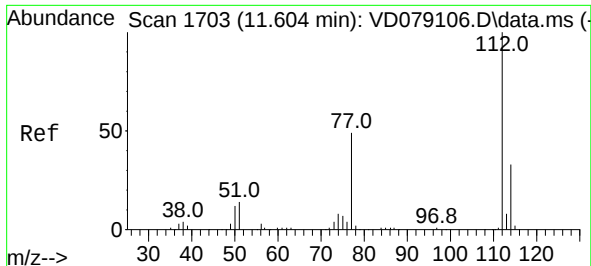
Ion Ratio Lower Upper

107 100

109 79.5 64.5 119.7

188 4.3 2.6 3.8#





#51

Chlorobenzene

Concen: 16.274 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

ClientSampleId :

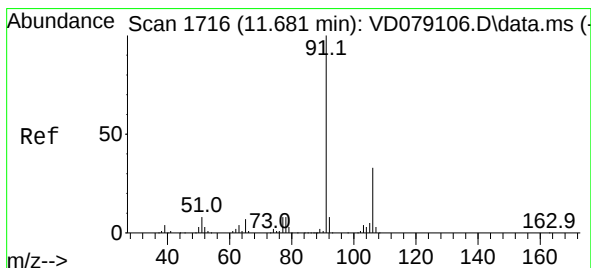
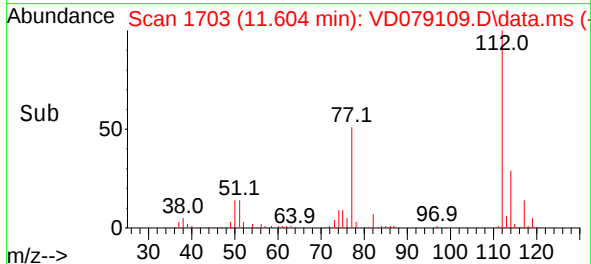
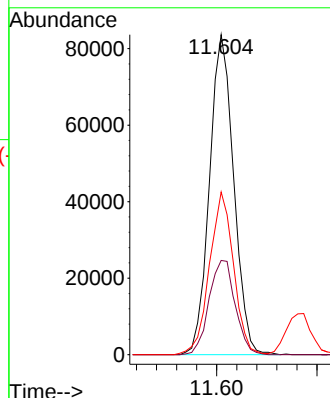
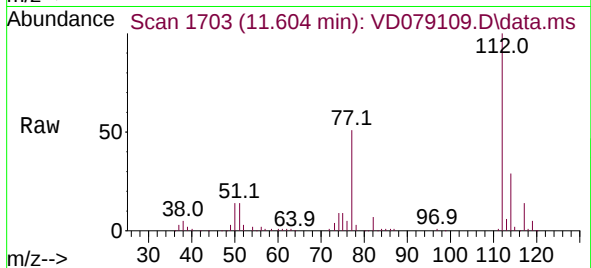
Tgt Ion:112 Resp: 140372

Ion Ratio Lower Upper

112 100

114 29.5 22.7 42.3

77 50.9 38.4 57.6



#52

Ethylbenzene

Concen: 16.595 ug/L

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD079109.D

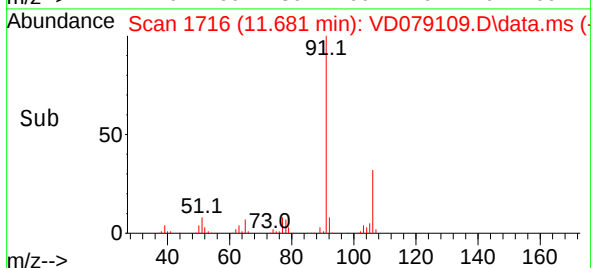
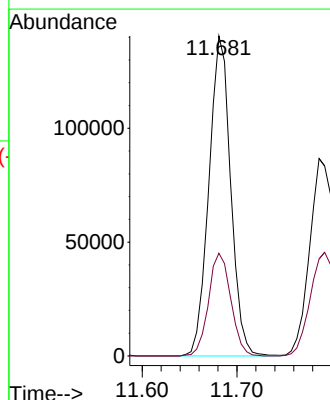
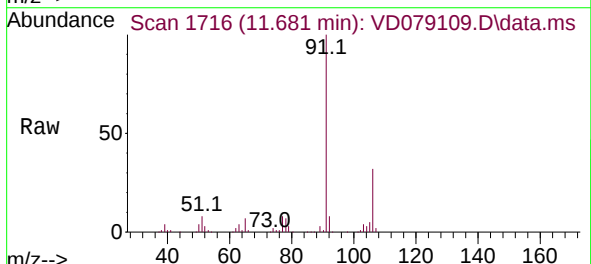
Acq: 31 May 2024 15:22

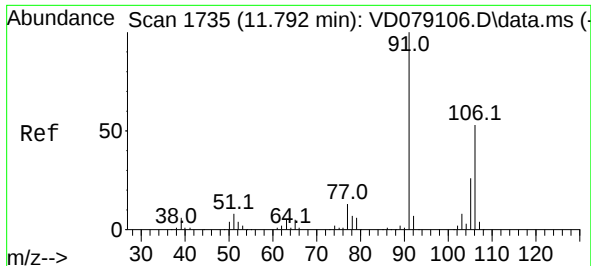
Tgt Ion: 91 Resp: 224404

Ion Ratio Lower Upper

91 100

106 32.1 22.3 41.5





#53

m,p-Xylene

Concen: 16.531 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

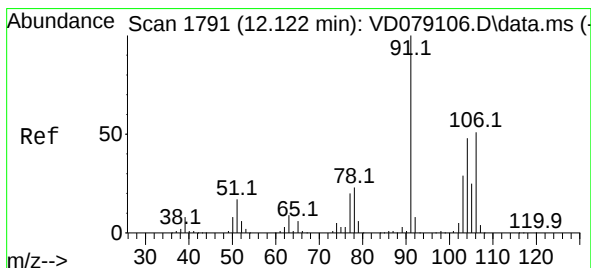
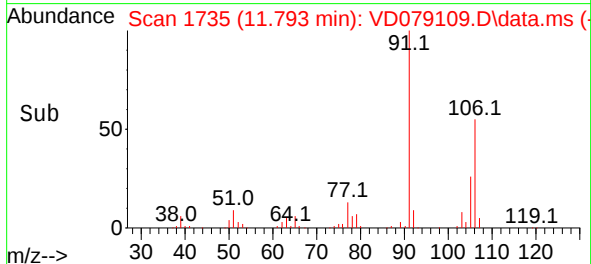
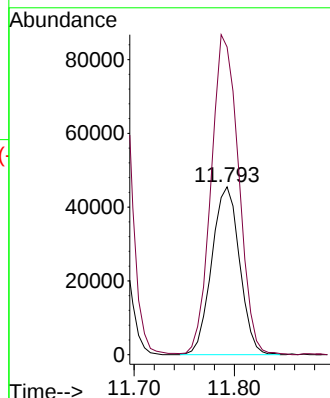
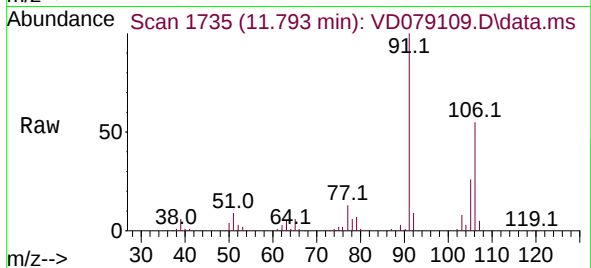
ClientSampleId :

Tgt Ion:106 Resp: 87703

Ion Ratio Lower Upper

106 100

91 183.3 133.1 247.1



#54

o-Xylene

Concen: 16.238 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD079109.D

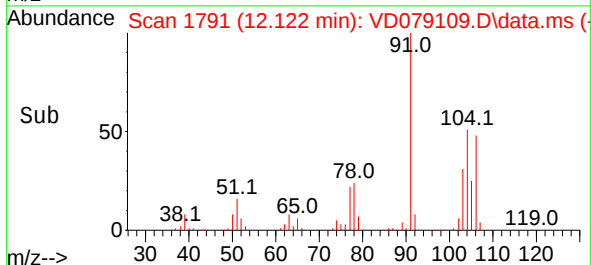
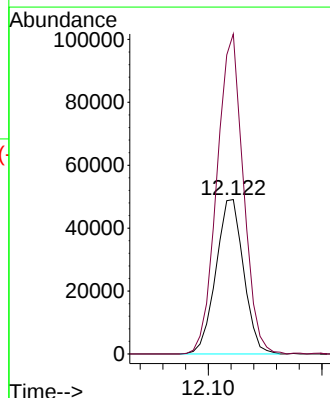
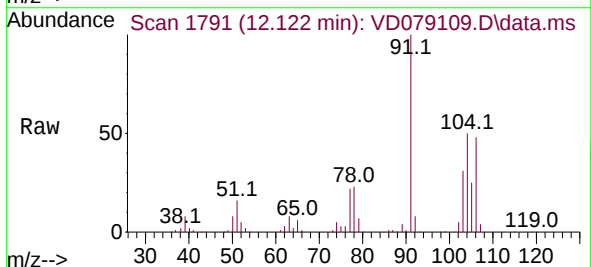
Acq: 31 May 2024 15:22

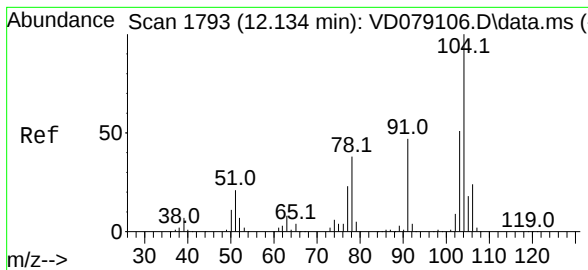
Tgt Ion:106 Resp: 83234

Ion Ratio Lower Upper

106 100

91 207.2 132.9 246.9

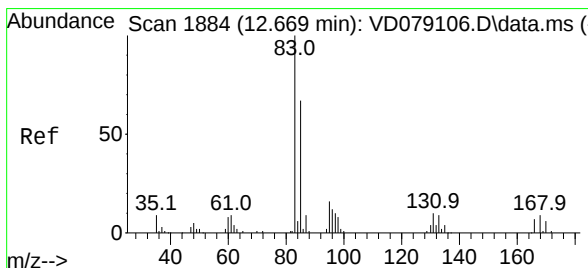
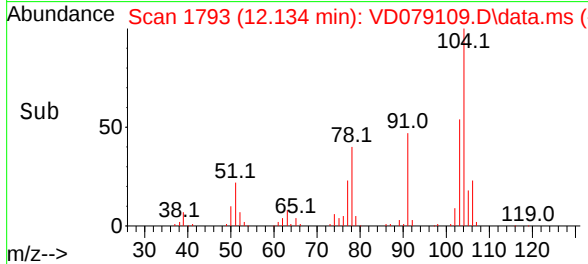
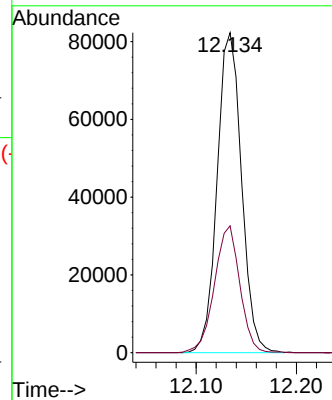
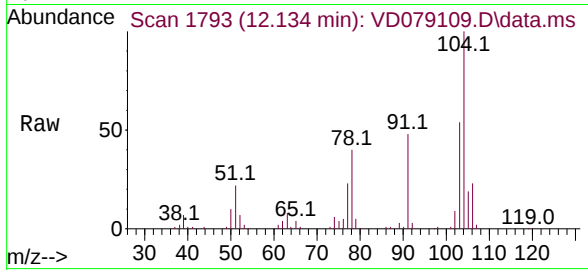




#55
Styrene
Concen: 15.261 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

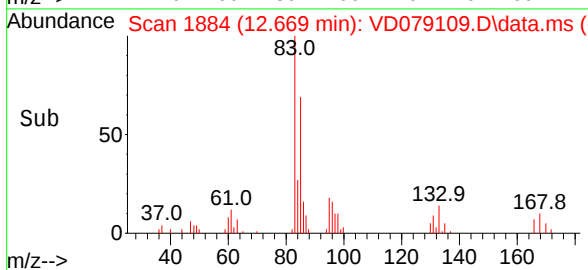
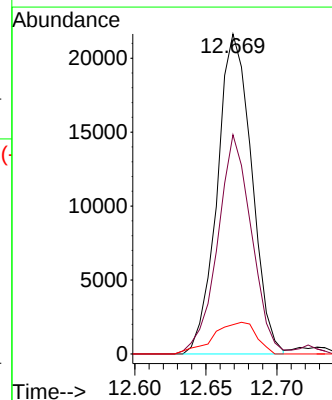
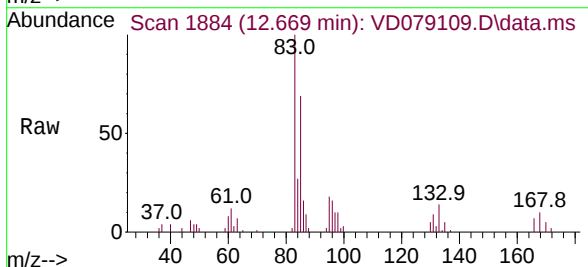
Instrument :
MSVOA_D
ClientSampleId :

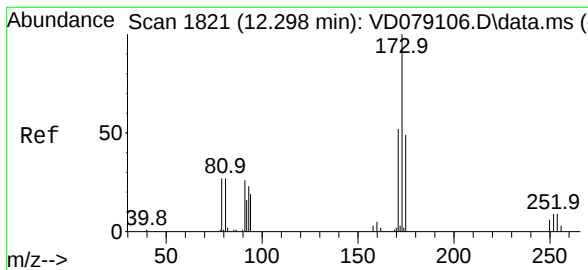
Tgt Ion:104 Resp: 138696
Ion Ratio Lower Upper
104 100
78 39.7 27.8 51.6



#57
1,1,2,2-Tetrachloroethane
Concen: 12.965 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

Tgt Ion: 83 Resp: 36408
Ion Ratio Lower Upper
83 100
85 68.5 47.5 88.1
131 9.1 8.6 13.0





#59

Bromoform

Concen: 21.504 ug/L

RT: 12.293 min Scan# 1820

Delta R.T. -0.006 min

Lab File: VD079109.D

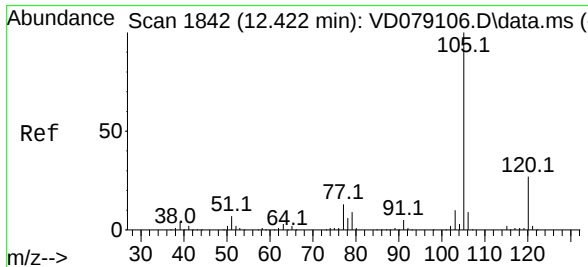
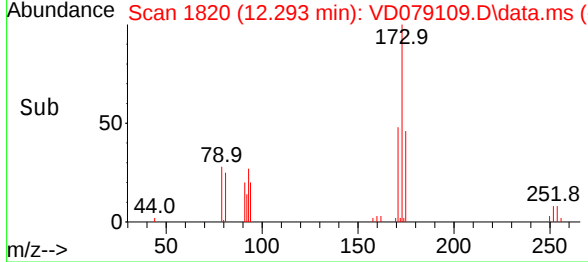
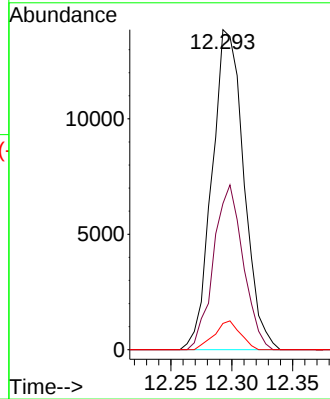
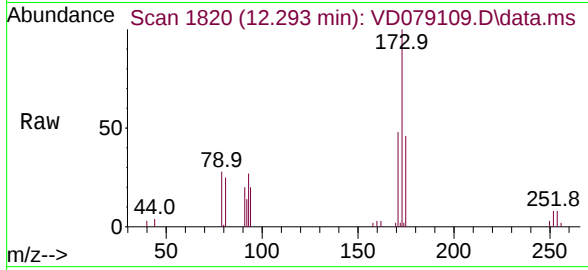
Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:173	Resp:	25215
Ion Ratio	Lower	Upper
173	100	
175	47.9	38.2 57.4
254	7.4	7.0 10.6



#60

Isopropylbenzene

Concen: 22.220 ug/L

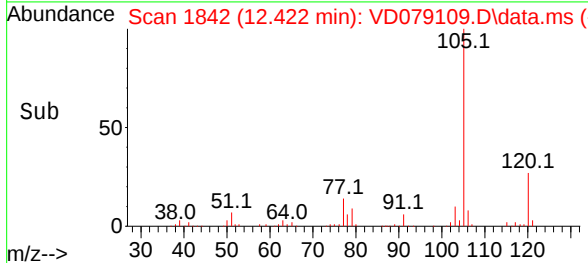
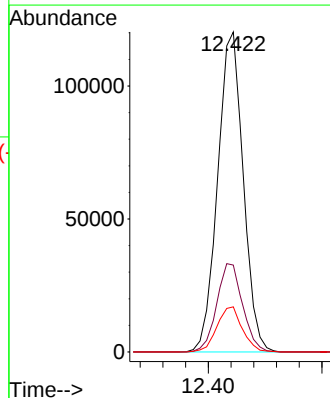
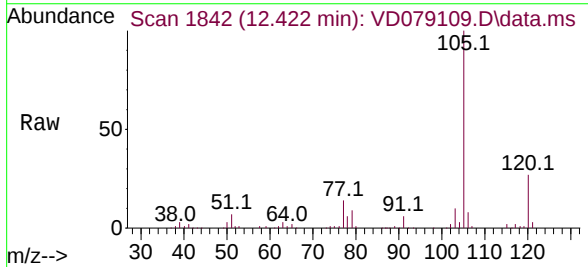
RT: 12.422 min Scan# 1842

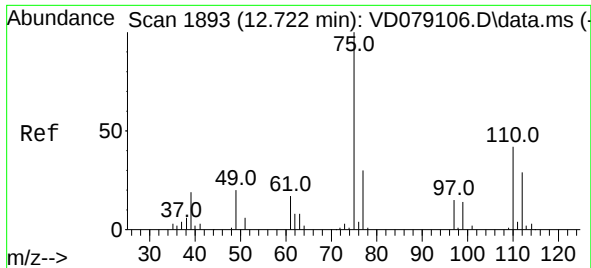
Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Tgt Ion:105	Resp:	187971
Ion Ratio	Lower	Upper
105	100	
120	27.9	21.9 32.9
77	14.0	10.9 16.3





#61

1,2,3-Trichloropropane

Concen: 22.059 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD079109.D

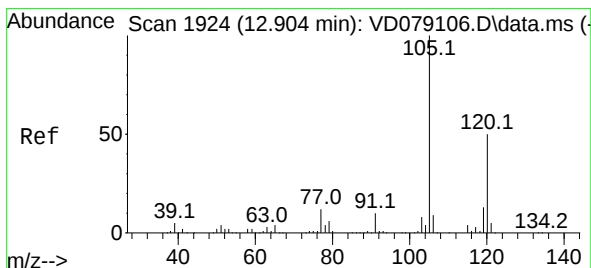
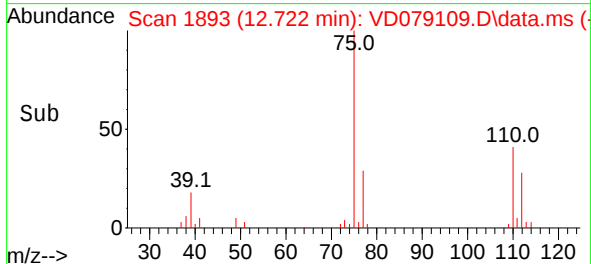
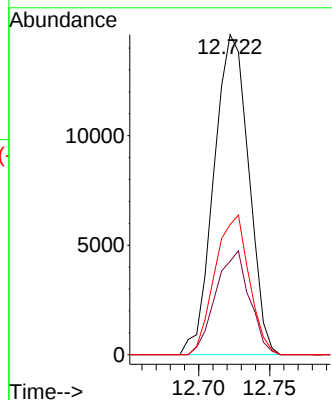
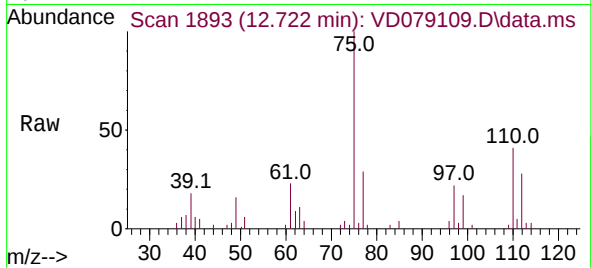
Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 24917
Ion Ratio	Lower Upper
75	100
77	31.5 25.9 38.9
110	42.9 34.2 51.4



#62

1,3,5-Trimethylbenzene

Concen: 18.543 ug/L

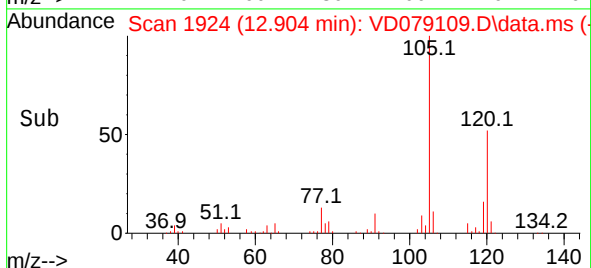
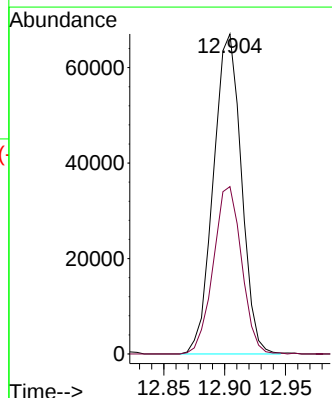
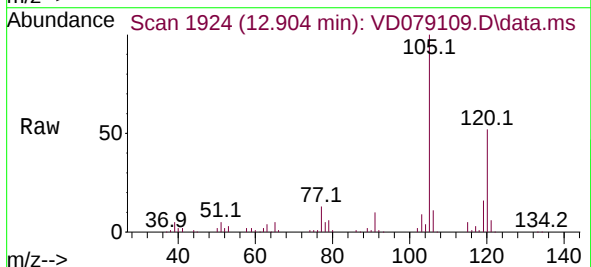
RT: 12.904 min Scan# 1924

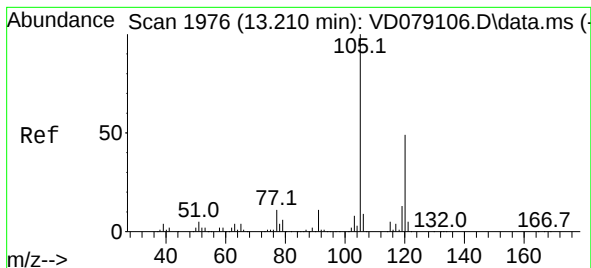
Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Tgt Ion: 105	Resp: 107254
Ion Ratio	Lower Upper
105	100
120	52.9 40.7 61.1





#63

1,2,4-Trimethylbenzene

Concen: 18.972 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

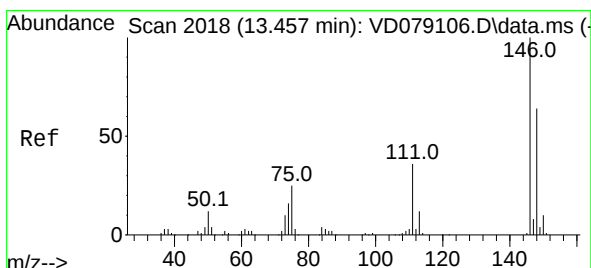
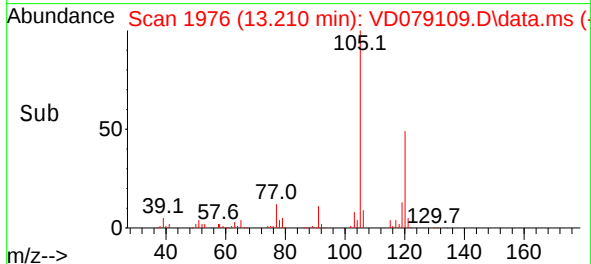
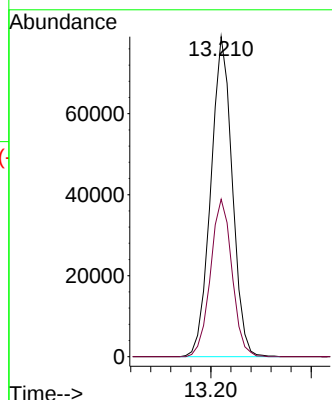
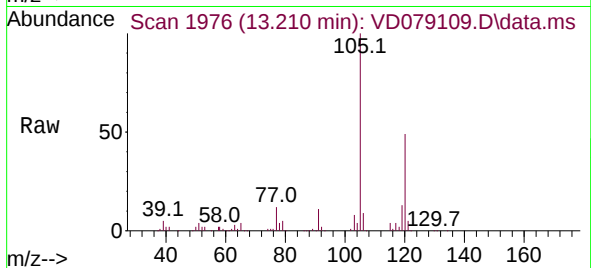
ClientSampleId :

Tgt Ion:105 Resp: 117373

Ion Ratio Lower Upper

105 100

120 49.3 38.0 57.0



#64

1,3-Dichlorobenzene

Concen: 16.624 ug/L

RT: 13.457 min Scan# 1818

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

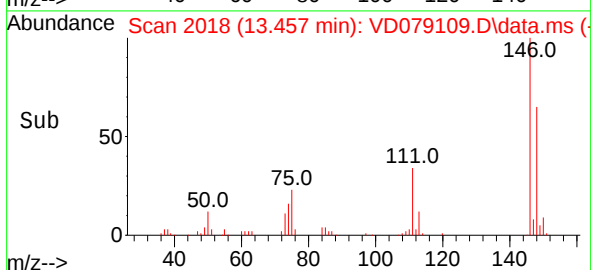
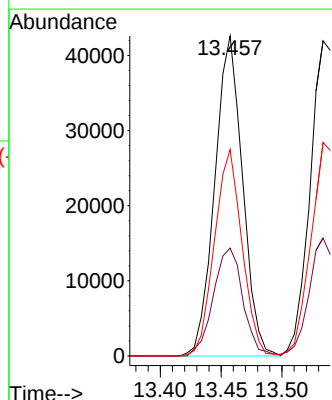
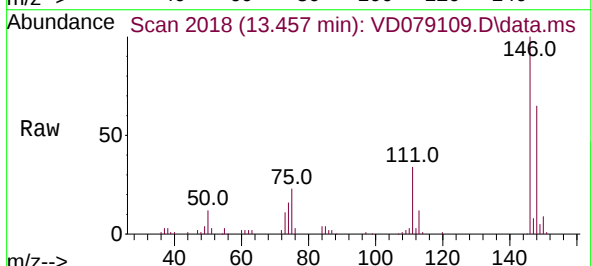
Tgt Ion:146 Resp: 67561

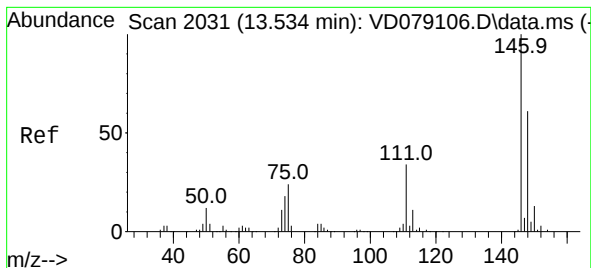
Ion Ratio Lower Upper

146 100

111 33.7 24.4 45.4

148 64.5 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 16.364 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

Instrument :

MSVOA_D

ClientSampleId :

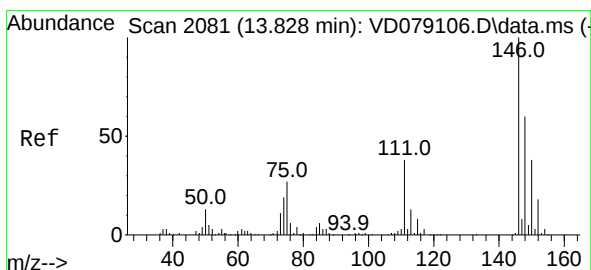
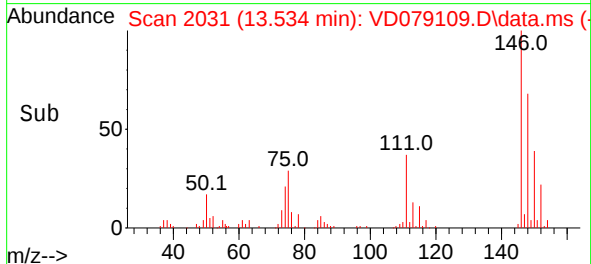
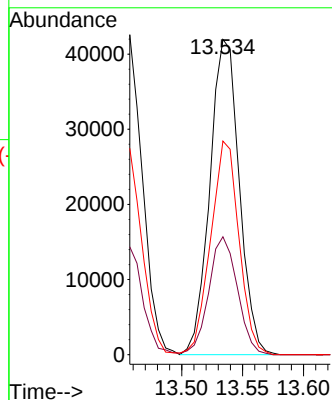
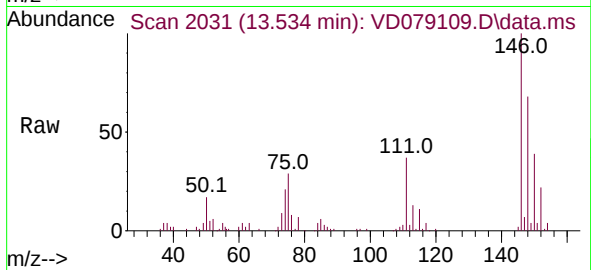
Tgt Ion:146 Resp: 70464

Ion Ratio Lower Upper

146 100

111 37.4 26.3 48.9

148 67.8 43.1 80.1



#67

1,2-Dichlorobenzene

Concen: 15.480 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD079109.D

Acq: 31 May 2024 15:22

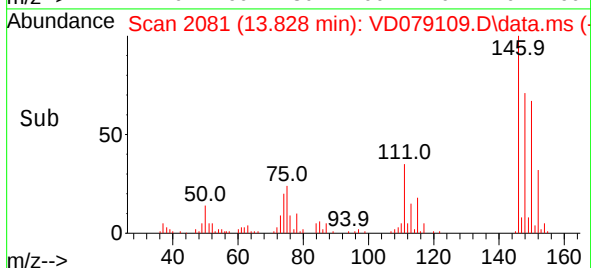
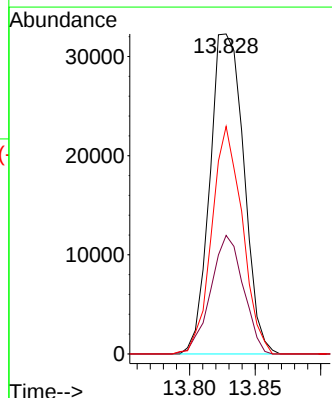
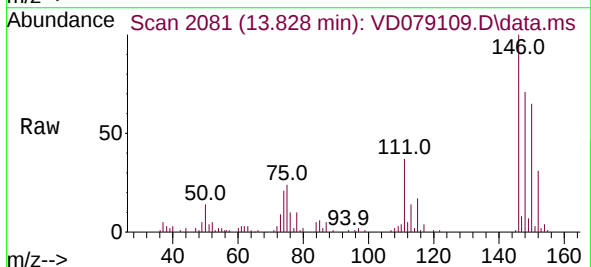
Tgt Ion:146 Resp: 58157

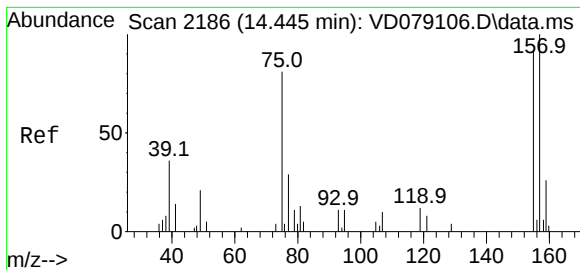
Ion Ratio Lower Upper

146 100

111 37.1 29.1 43.7

148 71.1 51.2 76.8

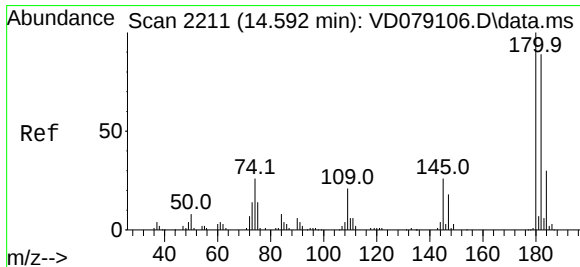
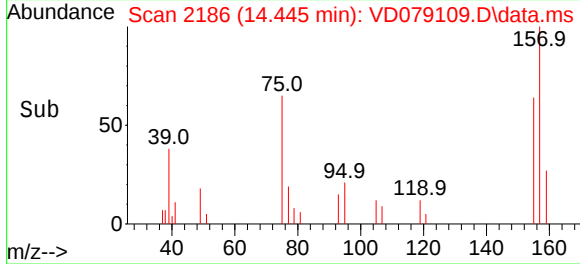
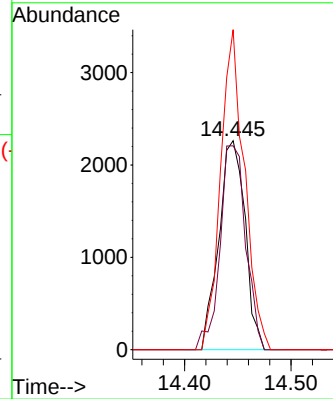
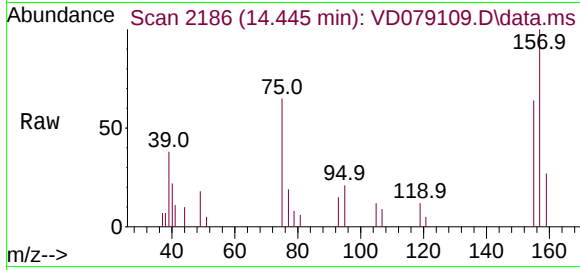




#68
 1,2-Dibromo-3-chloropropane
 Concen: 16.667 ug/L
 RT: 14.445 min Scan# 2186
 Delta R.T. 0.000 min
 Lab File: VD079109.D
 Acq: 31 May 2024 15:22

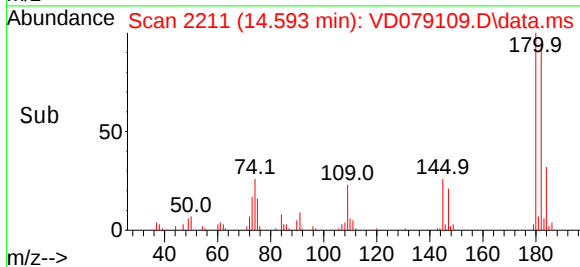
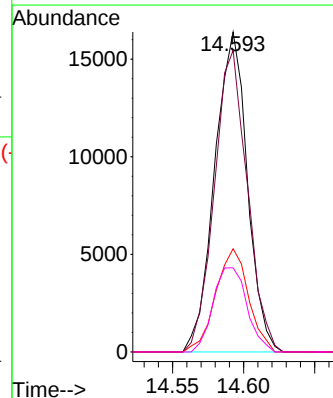
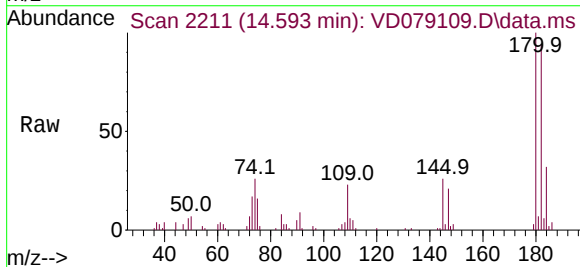
Instrument :
 MSVOA_D
 ClientSampleId :

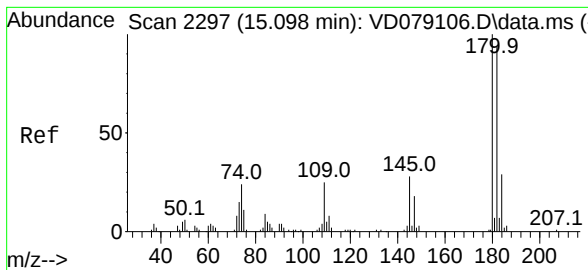
Tgt Ion: 75 Resp: 3870
 Ion Ratio Lower Upper
 75 100
 155 97.6 68.1 102.1
 157 153.2 91.6 137.4#



#69
 1,3,5-Trichlorobenzene
 Concen: 10.222 ug/L
 RT: 14.593 min Scan# 2211
 Delta R.T. 0.000 min
 Lab File: VD079109.D
 Acq: 31 May 2024 15:22

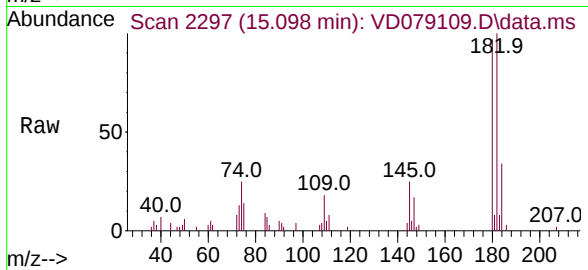
Tgt Ion:180 Resp: 26200
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.9 115.3
 184 32.4 23.3 34.9
 145 27.3 22.7 34.1



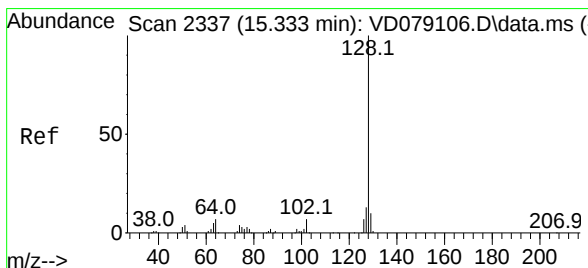
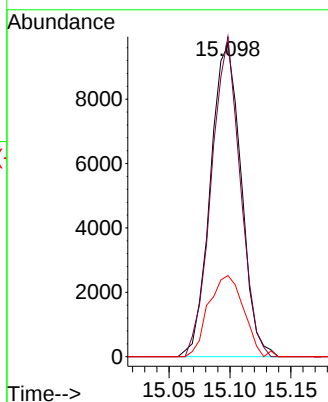
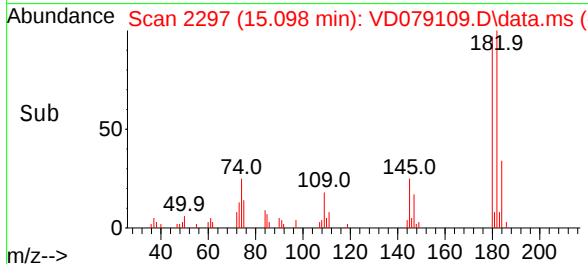


#70
1,2,4-trichlorobenzene
Concen: 8.023 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22

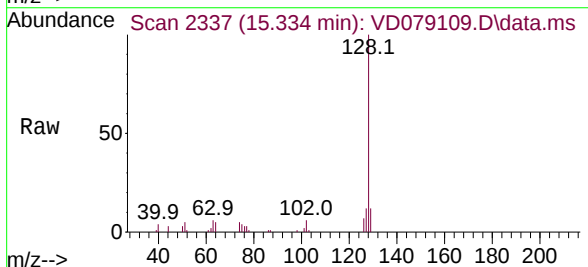
Instrument :
MSVOA_D
ClientSampleId :



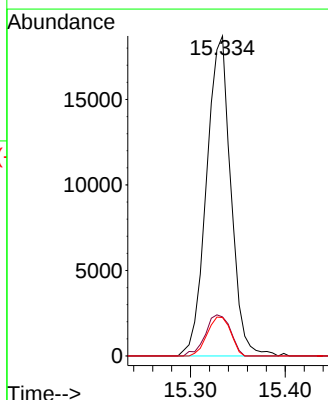
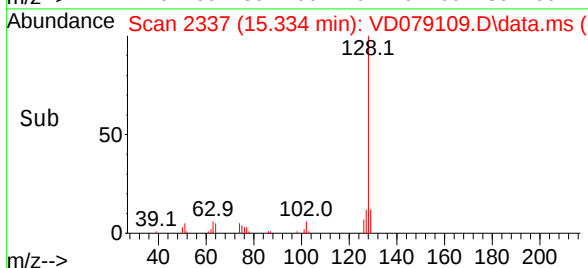
Tgt Ion:180 Resp: 17078
Ion Ratio Lower Upper
180 100
182 95.9 73.8 110.6
145 29.3 22.3 33.5

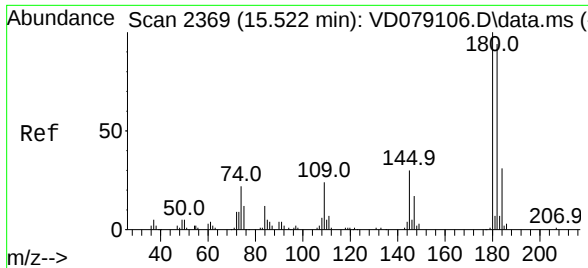


#71
Naphthalene
Concen: 8.373 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD079109.D
Acq: 31 May 2024 15:22



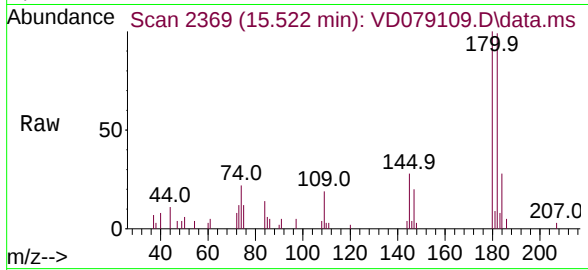
Tgt Ion:128 Resp: 33332
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 11.7 8.5 12.7





#72
 1,2,3-Trichlorobenzene
 Concen: 7.145 ug/L
 RT: 15.522 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VD079109.D
 Acq: 31 May 2024 15:22

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	180	Resp:	13146
Ion Ratio	Lower	Upper	
180	100		
182	94.3	79.4	119.2
145	32.4	24.7	37.1

