

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
 Data File : VD079059.D
 Acq On : 29 May 2024 12:05
 Operator : RP/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 30 01:03:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 30 00:58:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	210262	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	206587	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	104396	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	139590	21.574	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.280%
7) Chloroethane-d5	2.799	69	142617	22.795	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	3.917	65	25909	22.556	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.240%
21) 2-Butanone-d5	6.987	46	21602	43.649	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.300%
24) Chloroform-d	7.569	84	134055	22.802	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	8.234	65	62901	23.193	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.760%
32) Benzene-d6	8.205	84	278993	24.361	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.440%
36) 1,2-Dichloropropane-d6	9.210	67	73250	22.204	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.800%
41) Toluene-d8	10.269	98	260322	24.277	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.120%
43) trans-1,3-Dichloroprop...	10.528	79	33096	23.868	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.480%
47) 2-Hexanone-d5	10.875	63	19798	46.422	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.840%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	64753	22.160	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.640%
66) 1,2-Dichlorobenzene-d4	13.816	152	82812	22.985	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	73833	22.183	ug/L	97
3) Chloromethane	2.146	50	100727	22.705	ug/L	99
5) Vinyl chloride	2.281	62	158892	21.700	ug/L	94
6) Bromomethane	2.693	94	130086	23.013	ug/L	95
8) Chloroethane	2.840	64	121672	22.672	ug/L	92
9) Trichlorofluoromethane	3.175	101	117851	21.128	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	77999	23.320	ug/L	98
12) 1,1-Dichloroethene	3.940	96	67555	23.199	ug/L	98
13) Acetone	4.017	43	36686	51.203	ug/L	99
14) Carbon disulfide	4.270	76	235707	23.204	ug/L	96
15) Methyl Acetate	4.558	43	21105	21.619	ug/L	94
16) Methylene chloride	4.799	84	87792	23.433	ug/L	92
17) trans-1,2-Dichloroethene	5.317	96	75142	23.878	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	132566	23.752	ug/L #	91
19) 1,1-Dichloroethane	6.111	63	118337	23.356	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	79017	24.115	ug/L	98
22) 2-Butanone	7.075	43	37858	50.298	ug/L	97
23) Bromochloromethane	7.428	128	38718	23.306	ug/L	93
25) Chloroform	7.593	83	132839	23.093	ug/L	92

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 QLast Update : Thu May 30 00:58:24 2024
 Response via : Initial Calibration

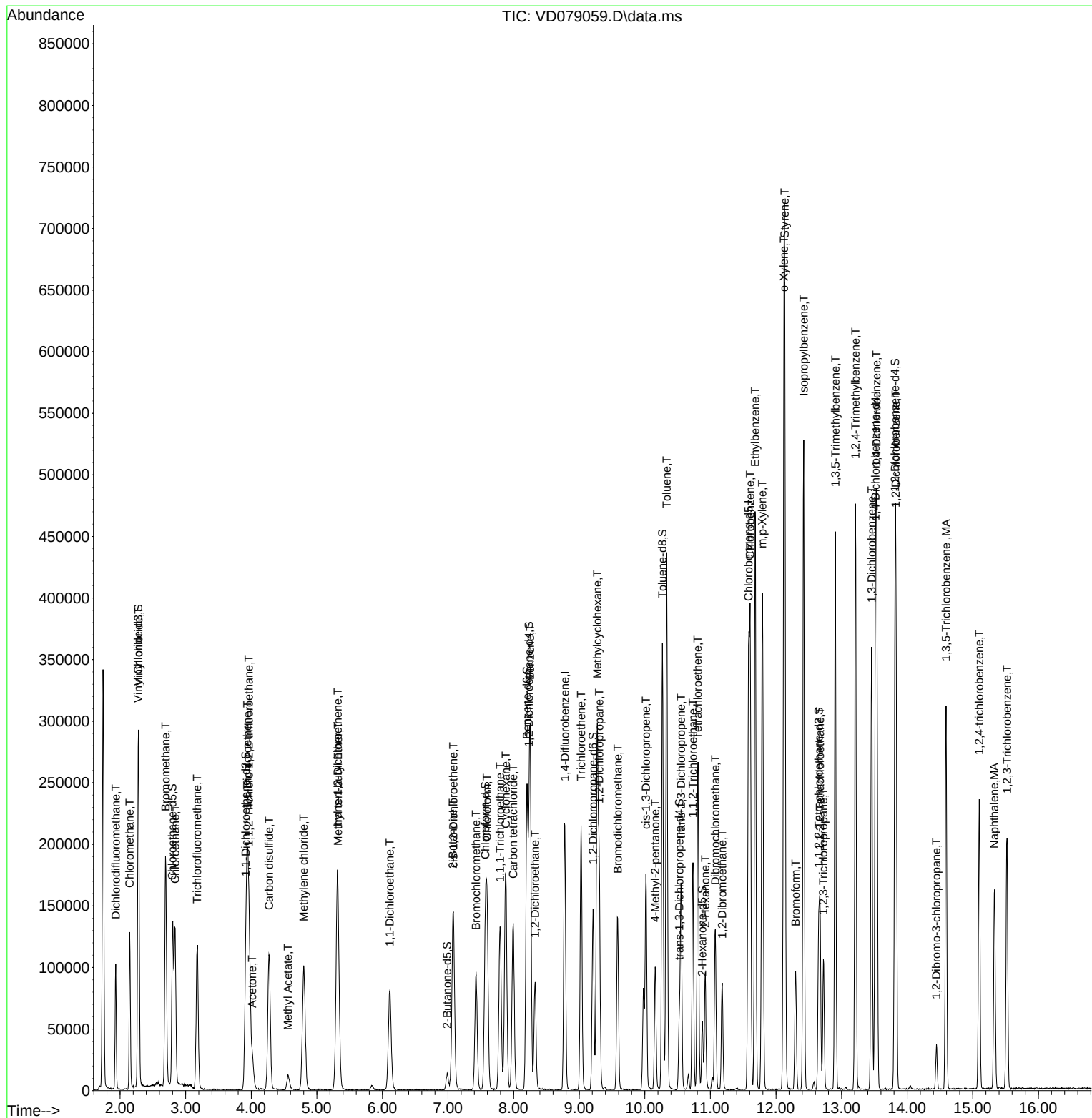
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	79574	23.830	ug/L	99
29) Cyclohexane	7.881	56	93408	25.060	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	116271	23.772	ug/L	97
31) Carbon tetrachloride	7.993	117	108776	23.932	ug/L	96
33) Benzene	8.252	78	298899	24.292	ug/L	100
34) Trichloroethene	9.028	95	75556	23.842	ug/L	97
35) Methylcyclohexane	9.275	83	129078	24.581	ug/L	98
37) 1,2-Dichloropropane	9.305	63	72847	24.171	ug/L	98
38) Bromodichloromethane	9.587	83	98423	23.492	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	113239	24.069	ug/L	92
40) 4-Methyl-2-pentanone	10.157	43	60459	48.055	ug/L	96
42) Toluene	10.334	91	337330	24.689	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	98487	24.755	ug/L	93
45) 1,1,2-Trichloroethane	10.734	97	61248	23.164	ug/L	98
46) Tetrachloroethene	10.804	164	63720	22.835	ug/L	97
48) 2-Hexanone	10.922	43	54005	49.606	ug/L	97
49) Dibromochloromethane	11.075	129	72263	23.079	ug/L	88
50) 1,2-Dibromoethane	11.181	107	58539	24.090	ug/L #	97
51) Chlorobenzene	11.604	112	217738	23.951	ug/L	97
52) Ethylbenzene	11.681	91	352611	24.742	ug/L	99
53) m,p-Xylene	11.793	106	142630	25.508	ug/L	93
54) o-Xylene	12.122	106	137210	25.399	ug/L	99
55) Styrene	12.134	104	248122	25.903	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.669	83	68186	23.038	ug/L	94
59) Bromoform	12.299	173	45419	23.738	ug/L	98
60) Isopropylbenzene	12.422	105	346471	25.099	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	44645	24.222	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	239803	25.408	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	262187	25.972	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	159832	24.102	ug/L	96
65) 1,4-Dichlorobenzene	13.534	146	169483	24.121	ug/L	97
67) 1,2-Dichlorobenzene	13.828	146	147413	24.047	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.445	75	8241	21.750	ug/L #	77
69) 1,3,5-Trichlorobenzene	14.593	180	99489	23.787	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	79657	22.932	ug/L	99
71) Naphthalene	15.328	128	150944	23.236	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	73783	24.577	ug/L	97

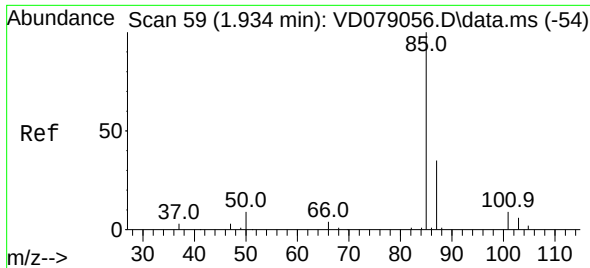
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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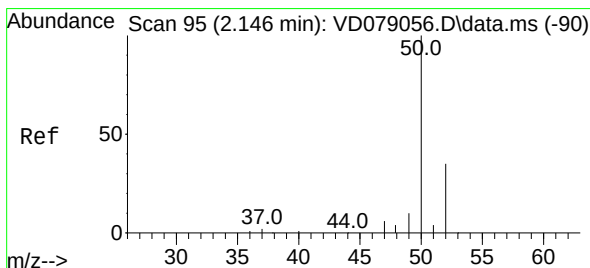
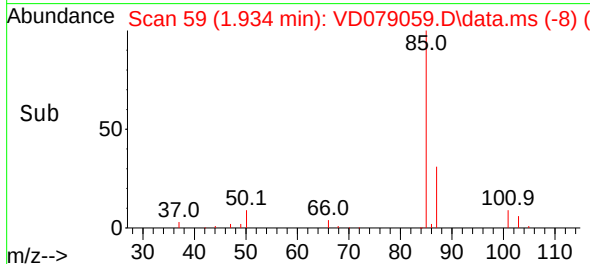
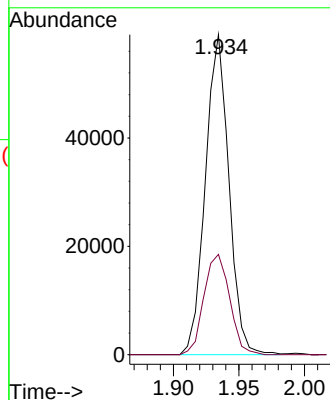
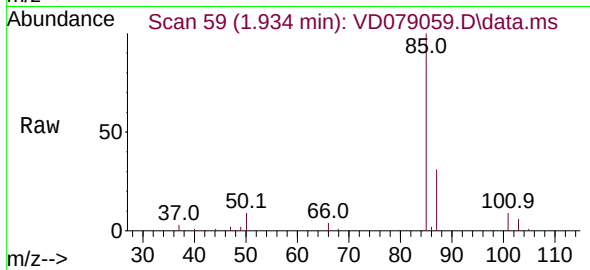




#2
 Dichlorodifluoromethane
 Concen: 22.183 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD079059.D
 Acq: 29 May 2024 12:05

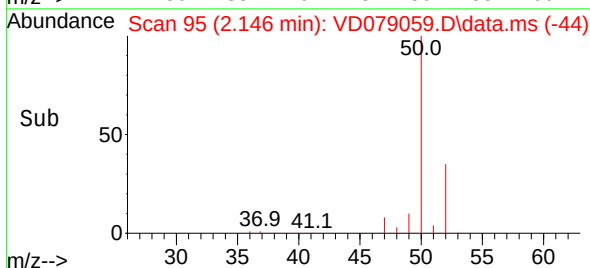
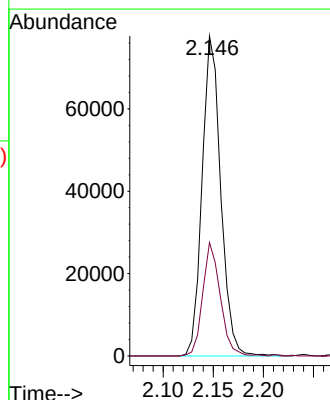
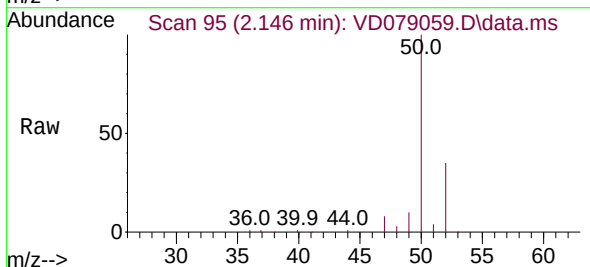
Instrument :
 MSVOA_D
 ClientSampleId :

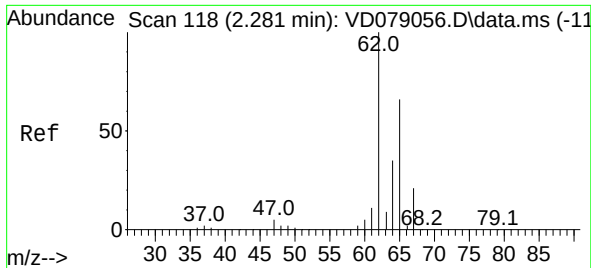
Tgt Ion: 85 Resp: 73833
 Ion Ratio Lower Upper
 85 100
 87 34.3 26.2 39.4



#3
 Chloromethane
 Concen: 22.705 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD079059.D
 Acq: 29 May 2024 12:05

Tgt Ion: 50 Resp: 100727
 Ion Ratio Lower Upper
 50 100
 52 35.4 24.4 45.2

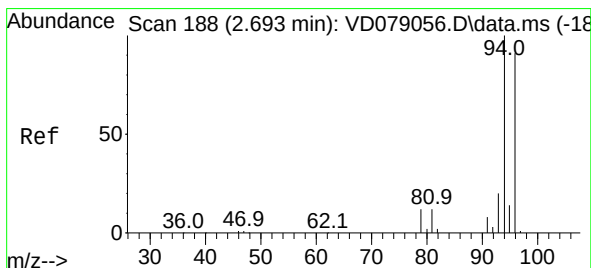
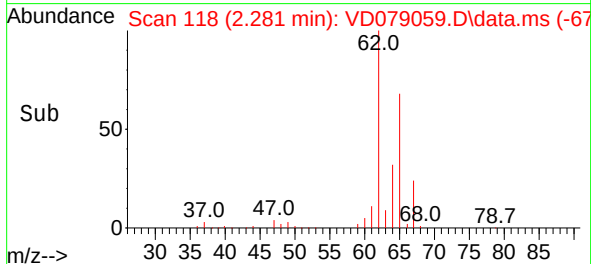
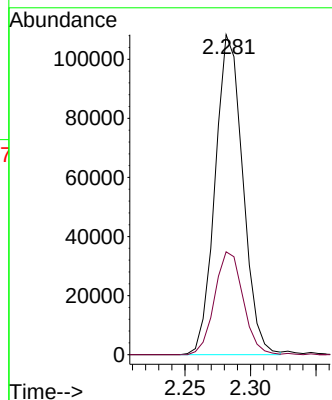
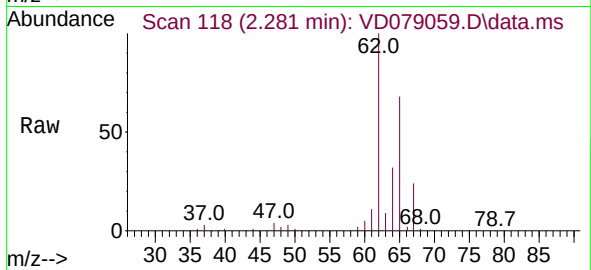




#5
Vinyl chloride
Concen: 21.700 ug/L
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

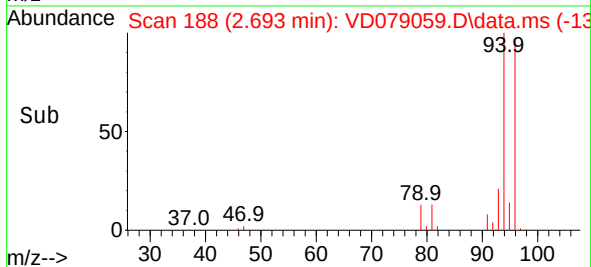
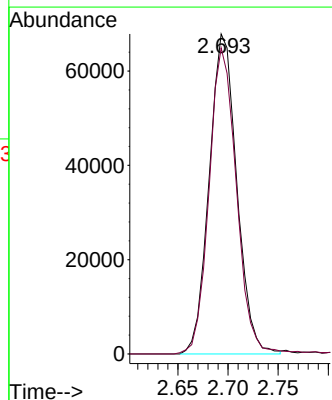
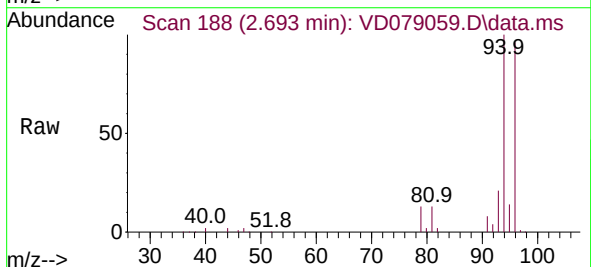
Instrument :
MSVOA_D
ClientSampleId :

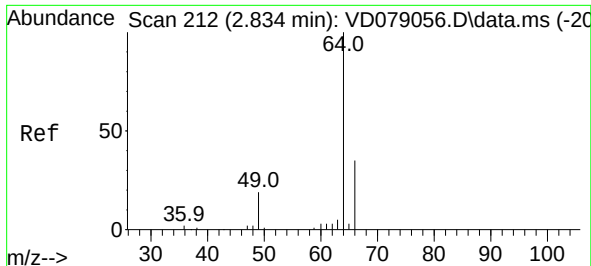
Tgt Ion: 62 Resp: 158892
Ion Ratio Lower Upper
62 100
64 32.1 24.8 46.1



#6
Bromomethane
Concen: 23.013 ug/L
RT: 2.693 min Scan# 188
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion: 94 Resp: 130086
Ion Ratio Lower Upper
94 100
96 95.6 63.6 118.2





#8

Chloroethane

Concen: 22.672 ug/L

RT: 2.840 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

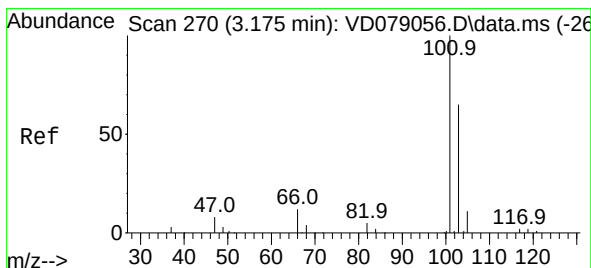
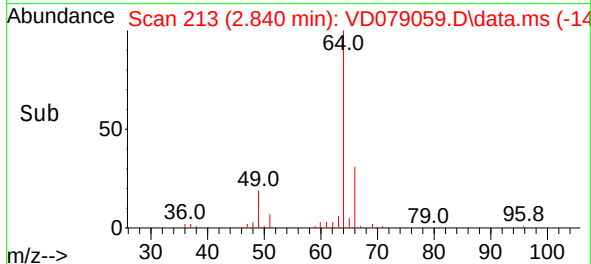
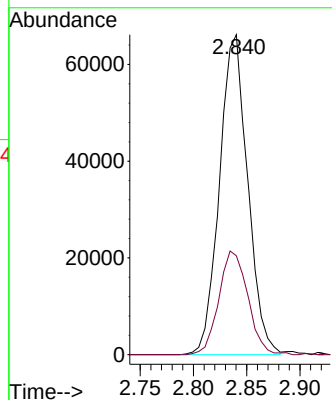
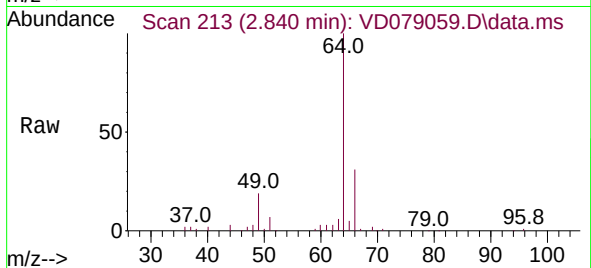
ClientSampleId :

Tgt Ion: 64 Resp: 121672

Ion Ratio Lower Upper

64 100

66 30.9 24.8 46.1



#9

Trichlorofluoromethane

Concen: 21.128 ug/L

RT: 3.175 min Scan# 270

Delta R.T. 0.000 min

Lab File: VD079059.D

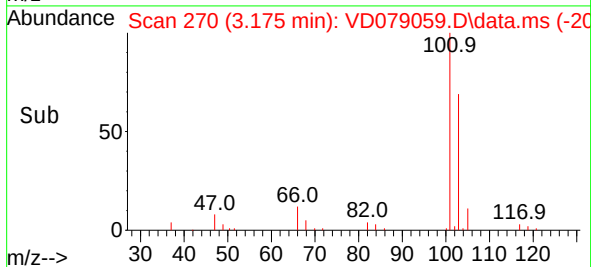
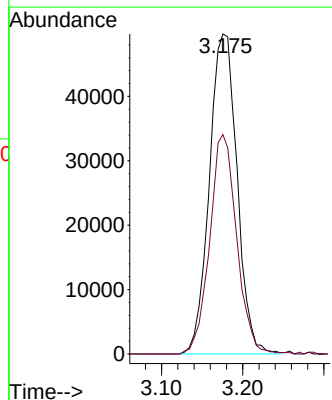
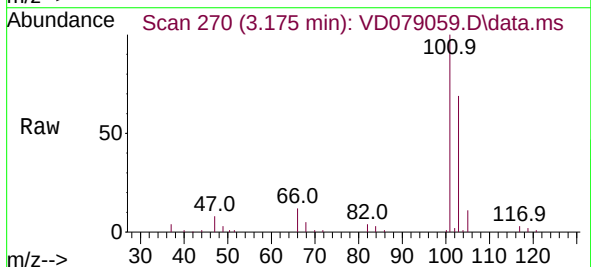
Acq: 29 May 2024 12:05

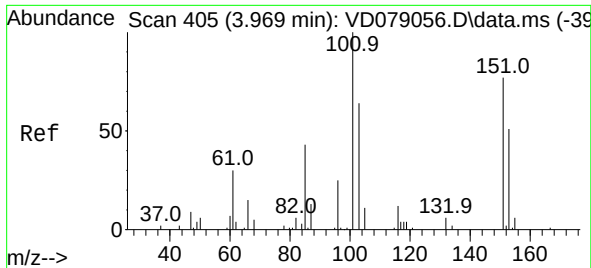
Tgt Ion:101 Resp: 117851

Ion Ratio Lower Upper

101 100

103 66.6 52.6 79.0





#10

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

Concen: 23.320 ug/L

RT: 3.964 min Scan# 405

Delta R.T. -0.006 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

ClientSampleId :

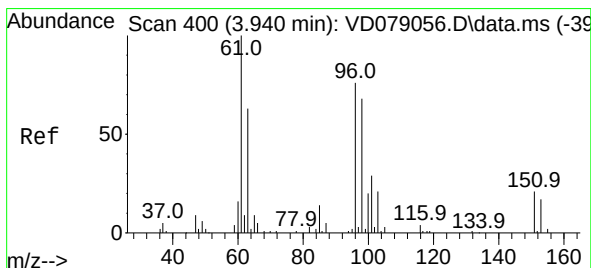
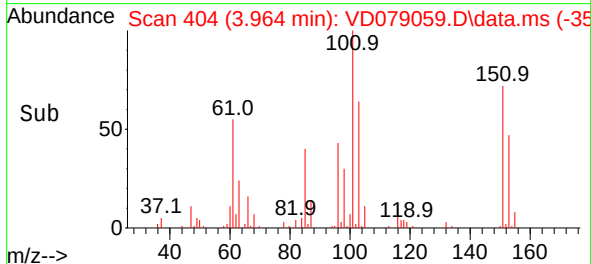
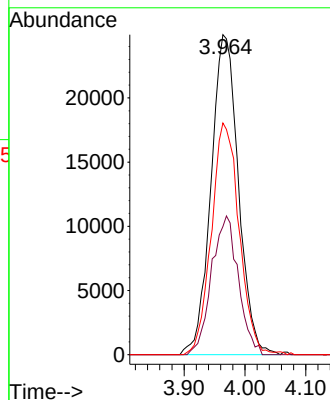
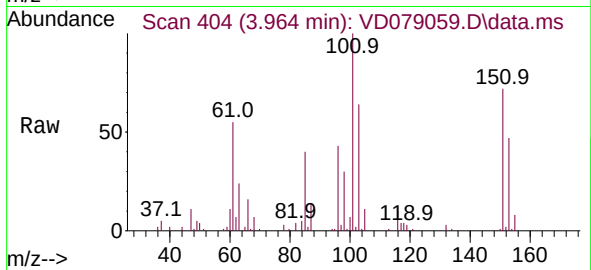
Tgt Ion:101 Resp: 77999

Ion Ratio Lower Upper

101 100

85 42.2 35.4 53.0

151 73.1 59.1 88.7



#12

1,1-Dichloroethene

Concen: 23.199 ug/L

RT: 3.940 min Scan# 400

Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

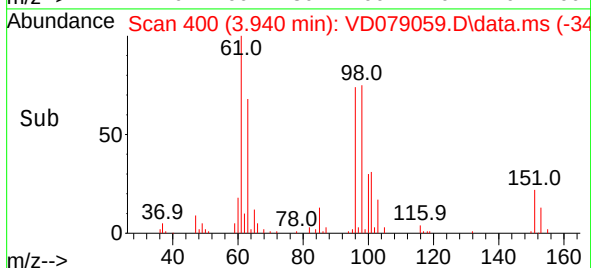
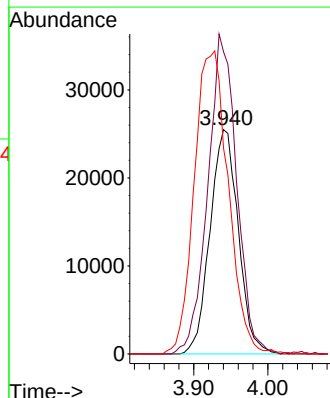
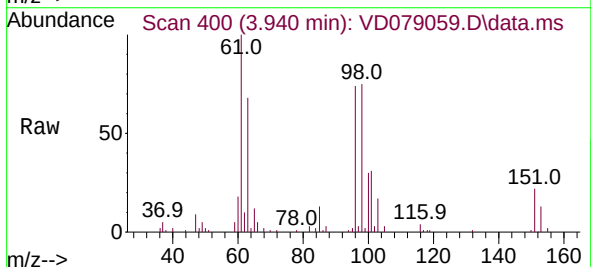
Tgt Ion: 96 Resp: 67555

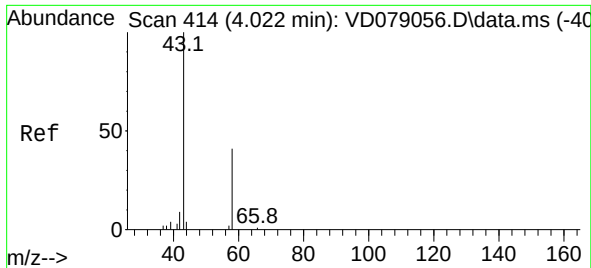
Ion Ratio Lower Upper

96 100

61 134.7 93.9 174.3

63 91.7 67.7 125.7





#13

Acetone

Concen: 51.203 ug/L

RT: 4.017 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

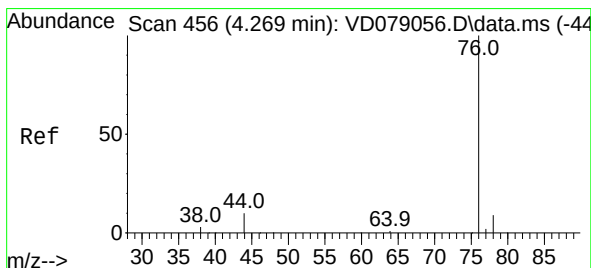
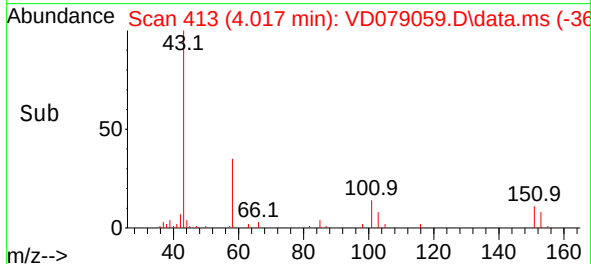
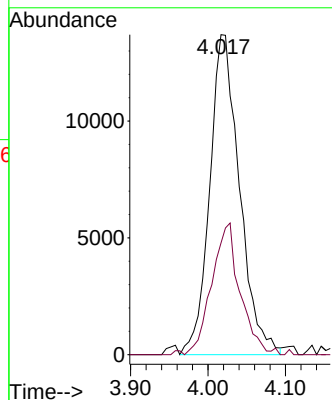
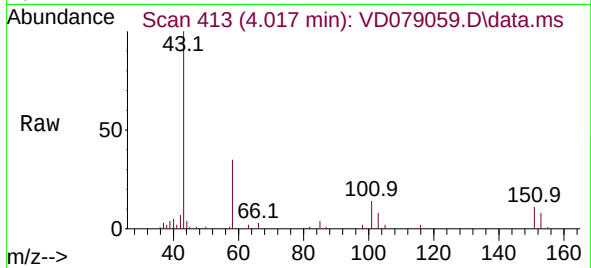
ClientSampleId :

Tgt Ion: 43 Resp: 36686

Ion Ratio Lower Upper

43 100

58 38.8 0.0 78.2



#14

Carbon disulfide

Concen: 23.204 ug/L

RT: 4.270 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD079059.D

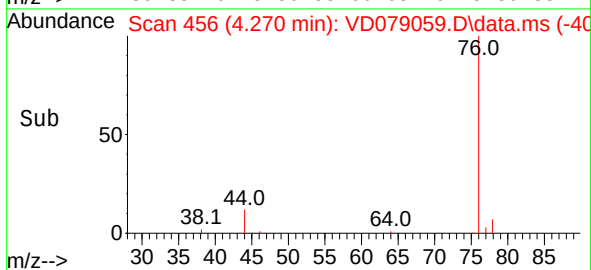
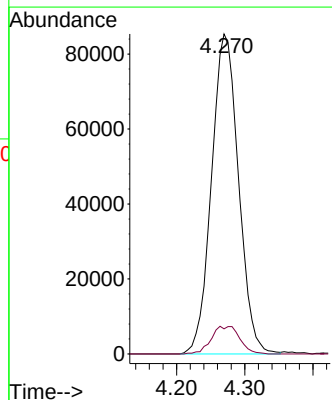
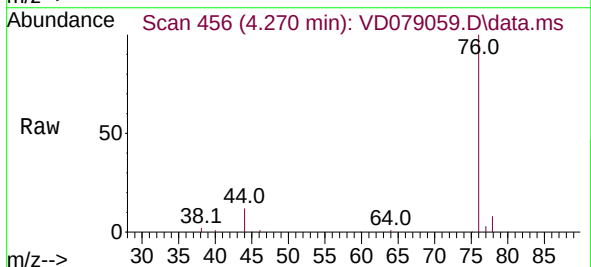
Acq: 29 May 2024 12:05

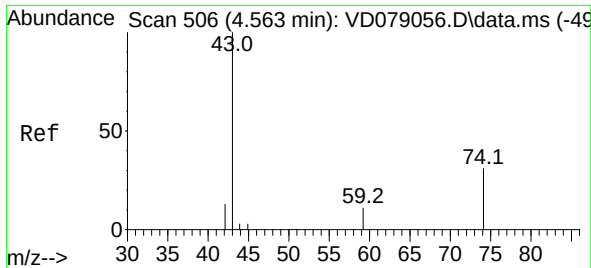
Tgt Ion: 76 Resp: 235707

Ion Ratio Lower Upper

76 100

78 7.9 7.5 11.3

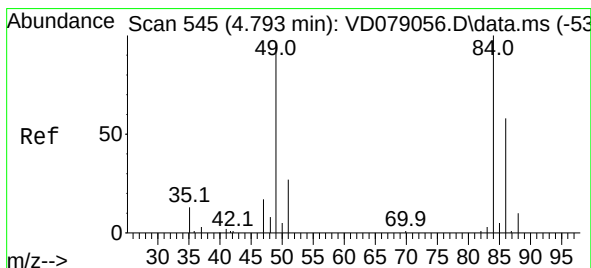
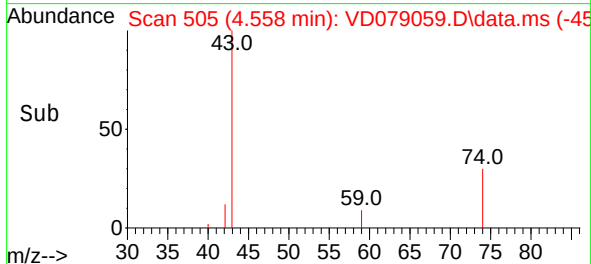
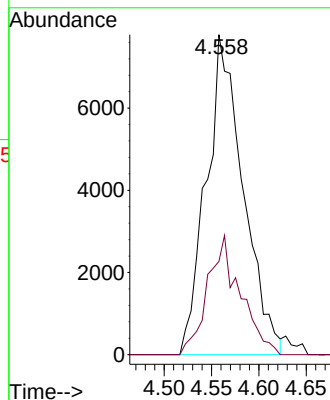
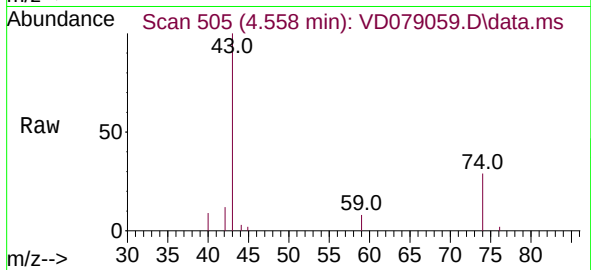




#15
Methyl Acetate
Concen: 21.619 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

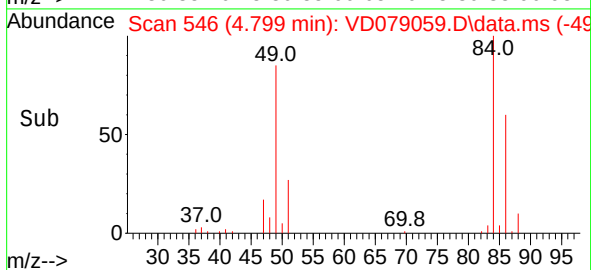
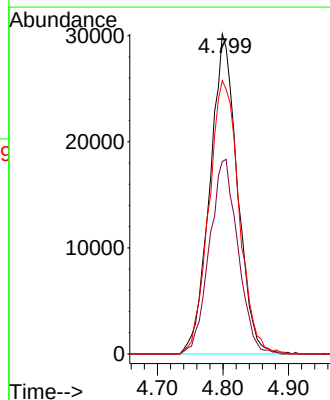
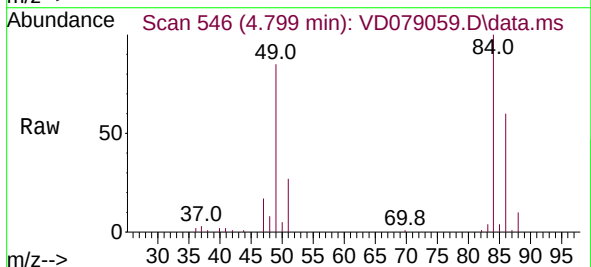
Instrument :
MSVOA_D
ClientSampleId :

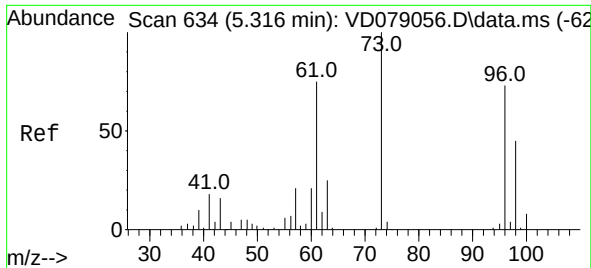
Tgt Ion: 43 Resp: 21105
Ion Ratio Lower Upper
43 100
74 33.1 23.8 35.6



#16
Methylene chloride
Concen: 23.433 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion: 84 Resp: 87792
Ion Ratio Lower Upper
84 100
86 60.2 40.9 76.0
49 85.4 67.5 125.3

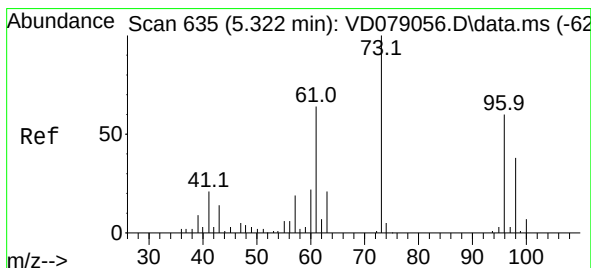
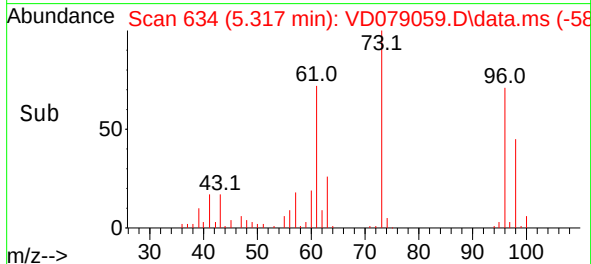
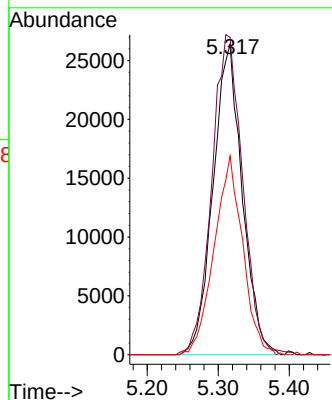
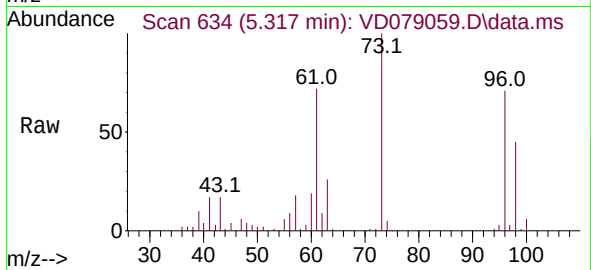




#17
trans-1,2-Dichloroethene
Concen: 23.878 ug/L
RT: 5.317 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

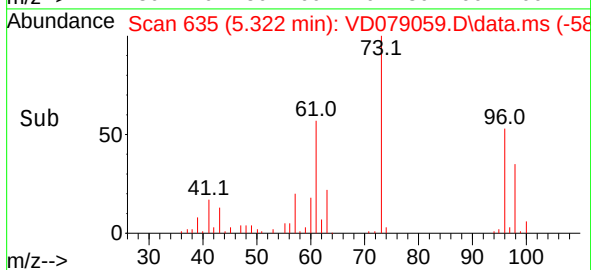
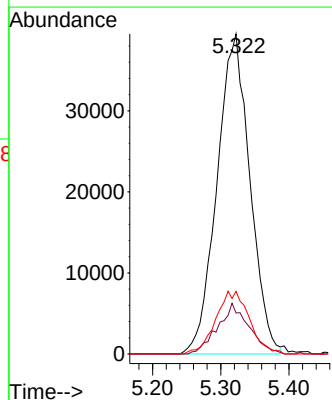
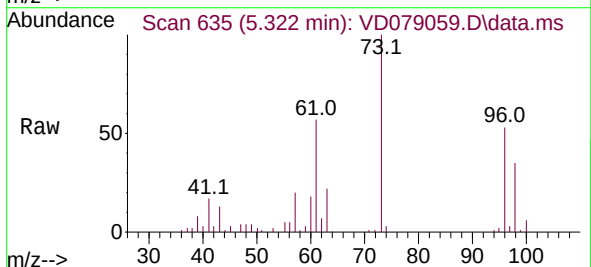
Instrument :
MSVOA_D
ClientSampleId :

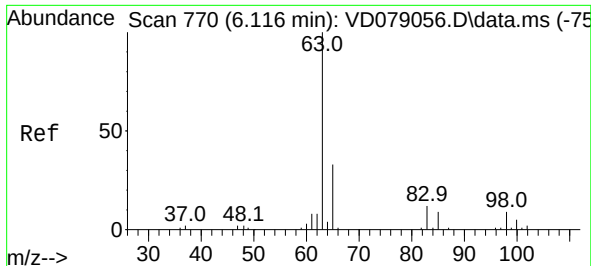
Tgt Ion: 96 Resp: 75142
Ion Ratio Lower Upper
96 100
61 102.2 71.9 133.5
98 64.0 42.6 79.2



#18
Methyl tert-butyl Ether
Concen: 23.752 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion: 73 Resp: 132566
Ion Ratio Lower Upper
73 100
43 15.0 12.0 18.0
57 19.9 9.6 14.4#





#19

1,1-Dichloroethane

Concen: 23.356 ug/L

RT: 6.111 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

ClientSampleId :

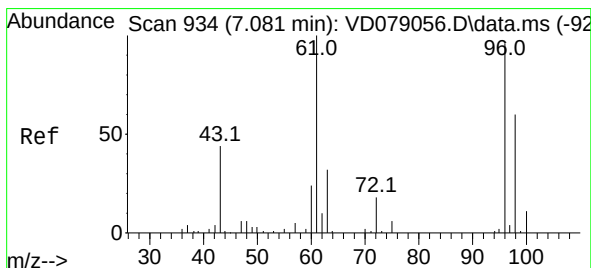
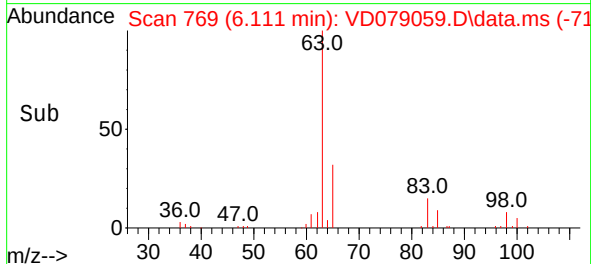
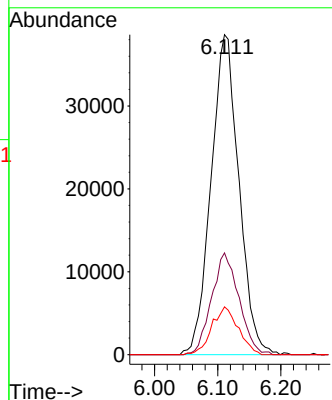
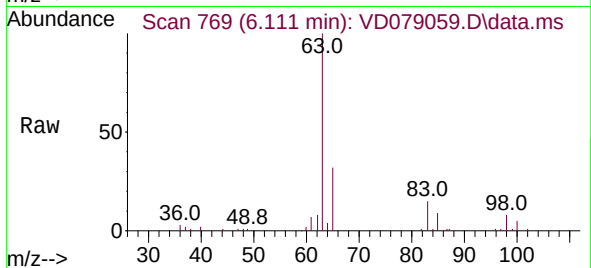
Tgt Ion: 63 Resp: 118337

Ion Ratio Lower Upper

63 100

65 31.8 22.8 42.4

83 15.0 8.6 16.0



#20

cis-1,2-Dichloroethene

Concen: 24.115 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

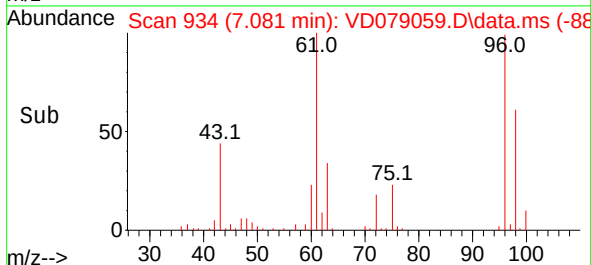
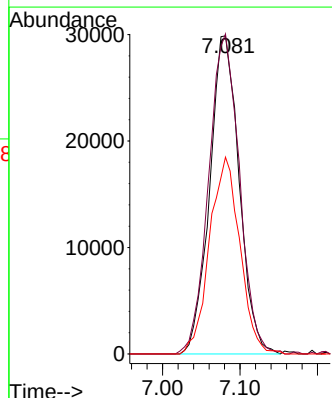
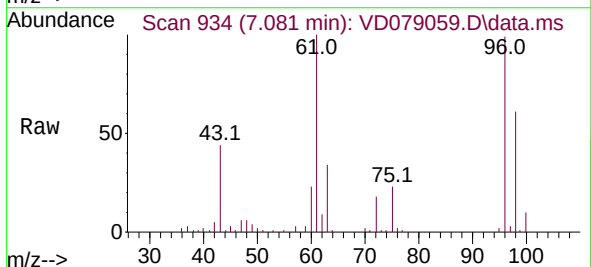
Tgt Ion: 96 Resp: 79017

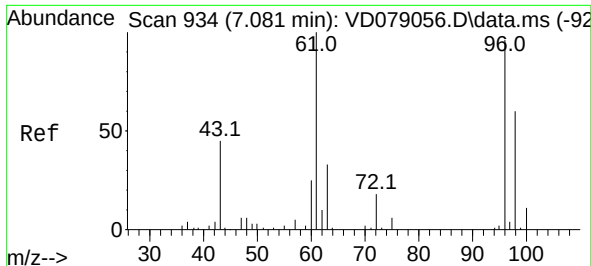
Ion Ratio Lower Upper

96 100

61 100.6 72.6 134.8

98 61.9 43.8 81.3





#22

2-Butanone

Concen: 50.298 ug/L

RT: 7.075 min Scan# 90

Delta R.T. -0.006 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

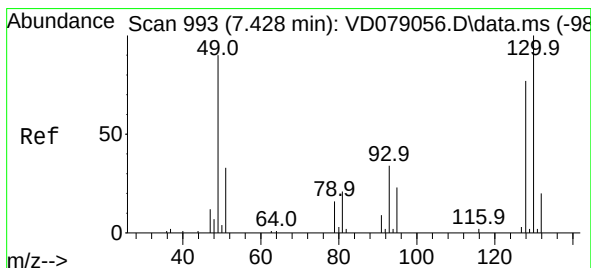
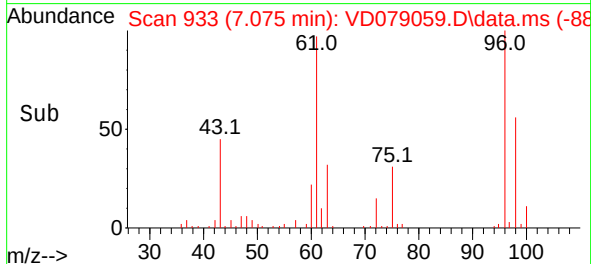
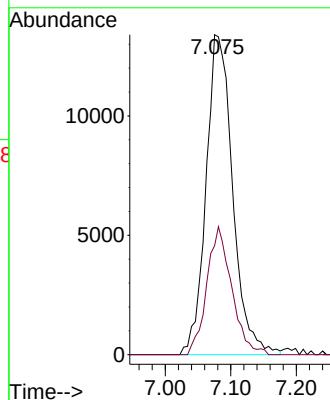
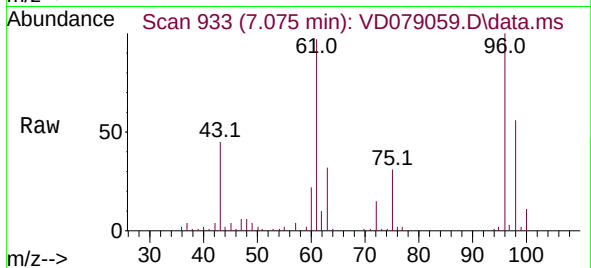
ClientSampleId :

Tgt Ion: 43 Resp: 37858

Ion Ratio Lower Upper

43 100

72 36.8 19.3 57.8



#23

Bromochloromethane

Concen: 23.306 ug/L

RT: 7.428 min Scan# 993

Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Tgt Ion:128 Resp: 38718

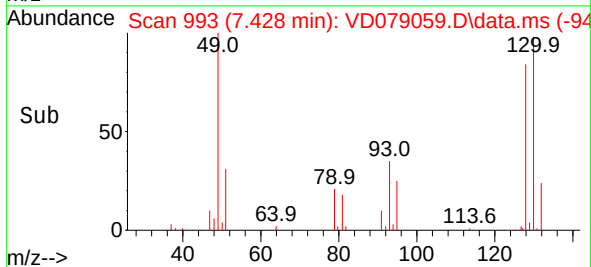
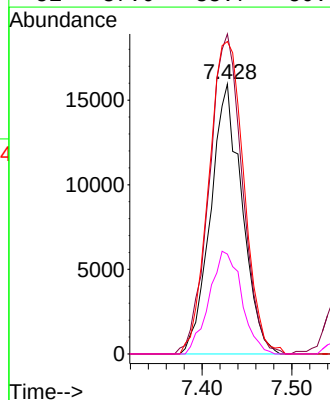
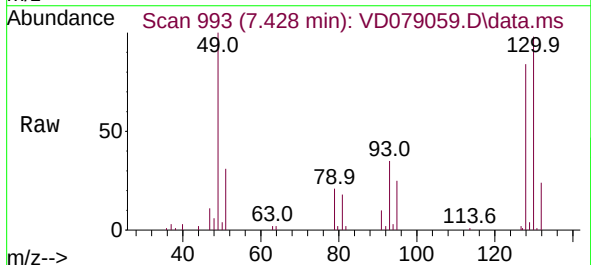
Ion Ratio Lower Upper

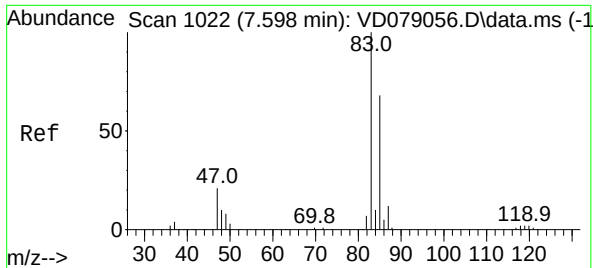
128 100

49 118.5 81.8 151.8

130 115.7 90.4 167.8

51 37.0 33.7 50.5

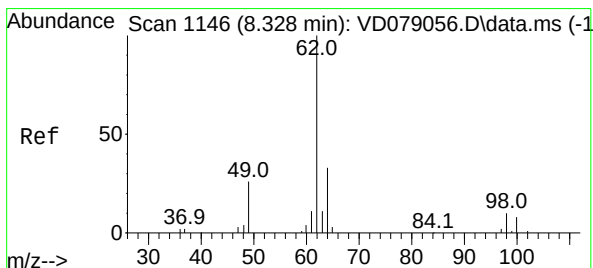
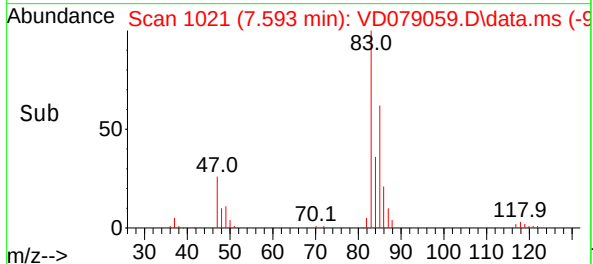
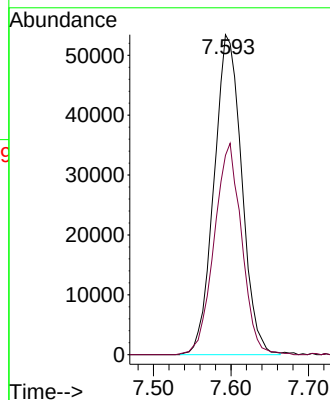
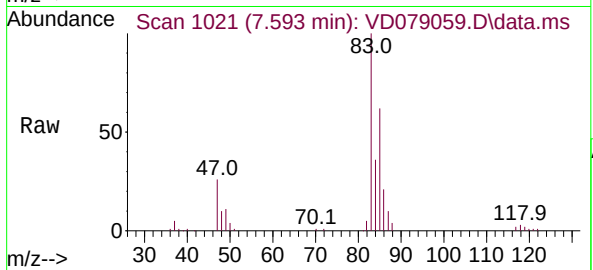




#25
Chloroform
Concen: 23.093 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

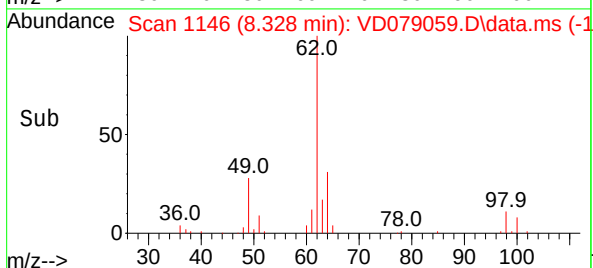
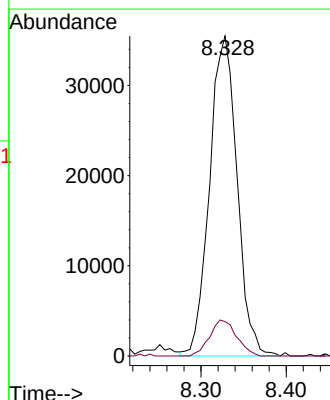
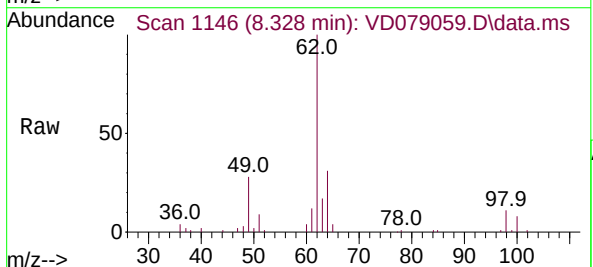
Instrument :
MSVOA_D
ClientSampleId :

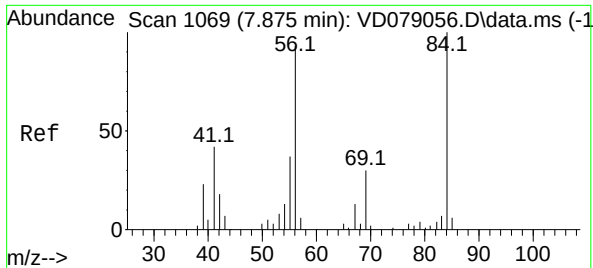
Tgt Ion: 83 Resp: 132839
Ion Ratio Lower Upper
83 100
85 62.3 47.9 89.1



#27
1,2-Dichloroethane
Concen: 23.830 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion: 62 Resp: 79574
Ion Ratio Lower Upper
62 100
98 10.8 8.2 12.4

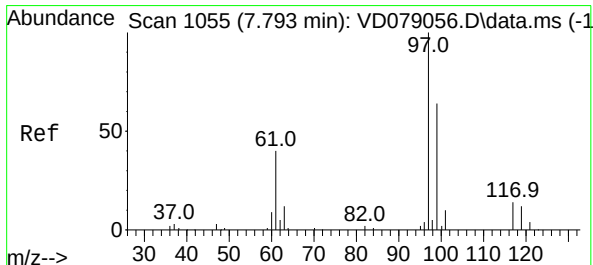
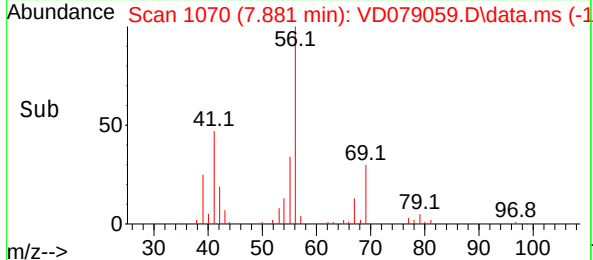
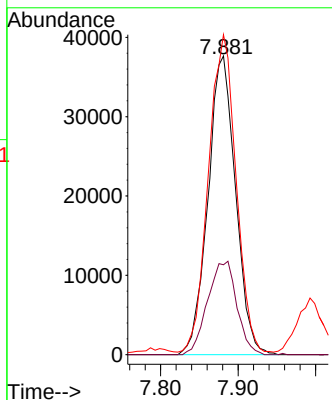
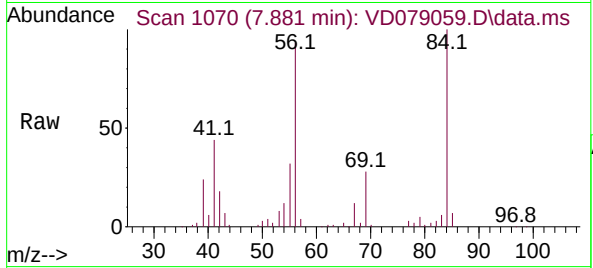




#29
Cyclohexane
Concen: 25.060 ug/L
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

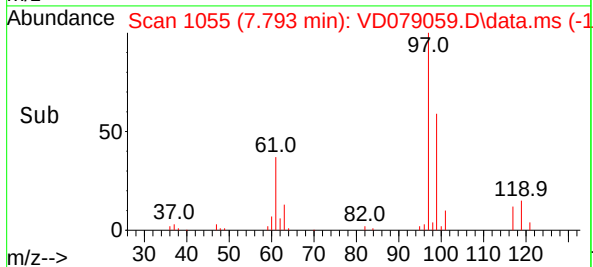
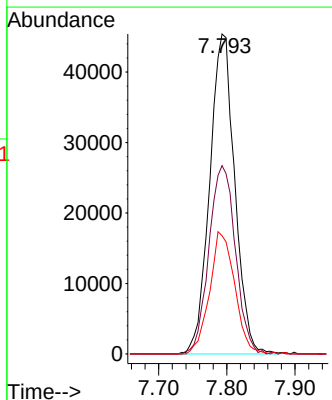
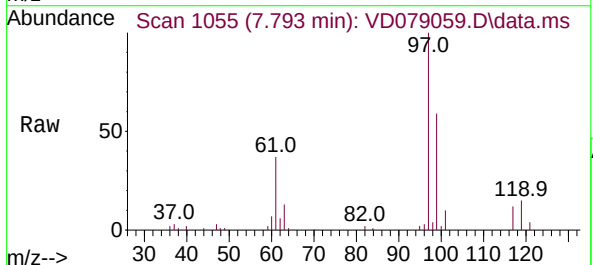
Instrument :
MSVOA_D
ClientSampleId :

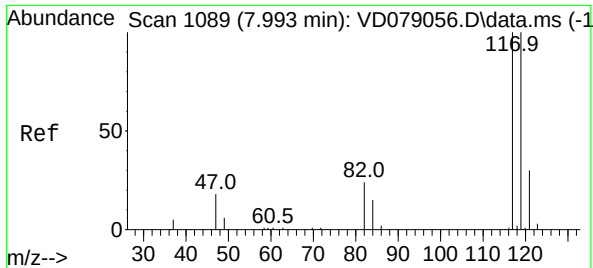
Tgt Ion: 56	Resp: 93408
Ion Ratio	Lower Upper
56	100
69	33.0 26.6 40.0
84	106.5 87.5 131.3



#30
1,1,1-Trichloroethane
Concen: 23.772 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion: 97	Resp: 116271
Ion Ratio	Lower Upper
97	100
99	62.2 52.3 78.5
61	38.2 31.7 47.5

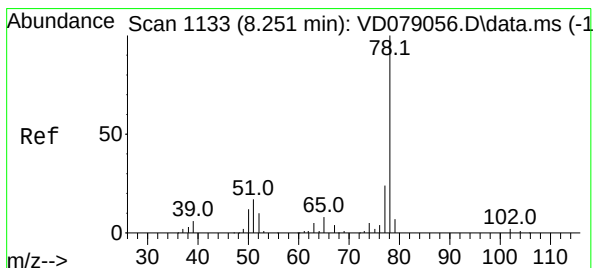
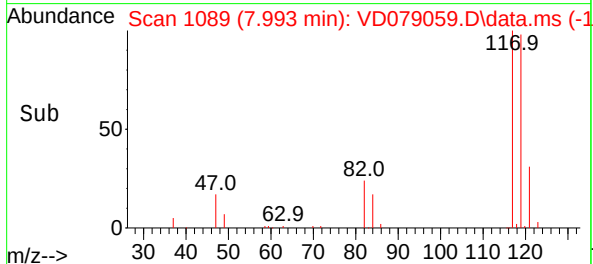
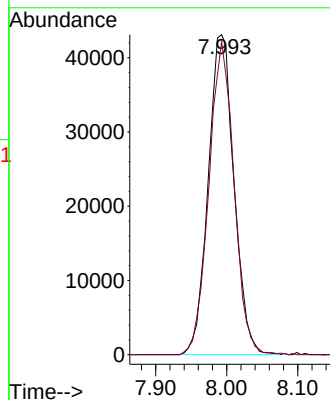
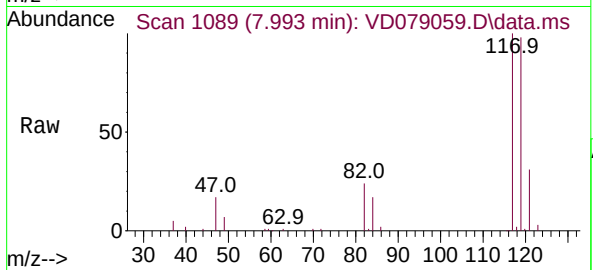




#31
Carbon tetrachloride
Concen: 23.932 ug/L
RT: 7.993 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

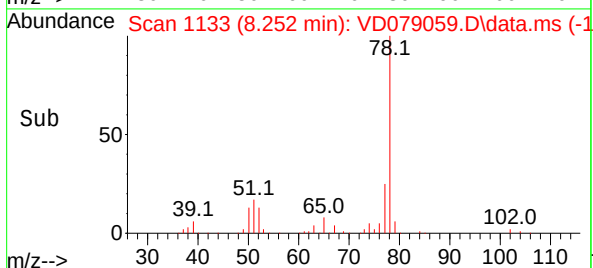
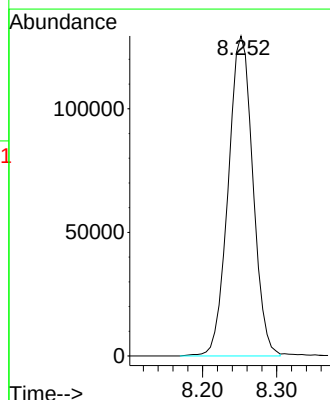
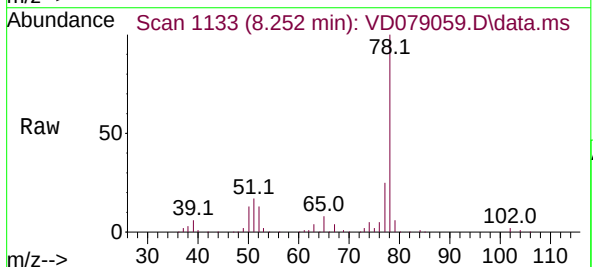
Instrument :
MSVOA_D
ClientSampleId :

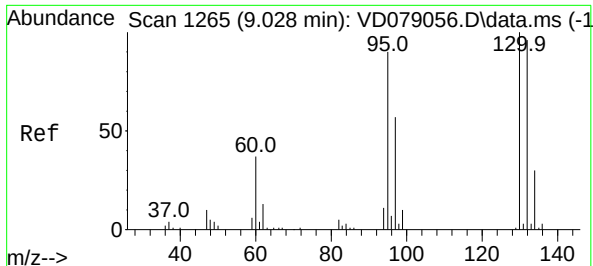
Tgt Ion:117 Resp: 108776
Ion Ratio Lower Upper
117 100
119 95.2 79.6 119.4



#33
Benzene
Concen: 24.292 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion: 78 Resp: 298899

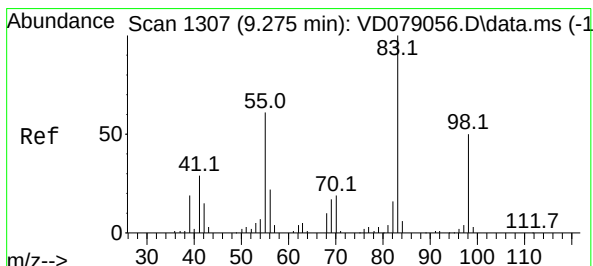
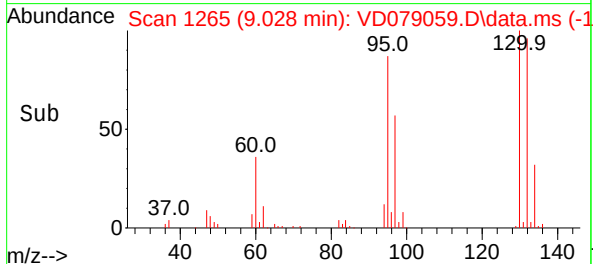
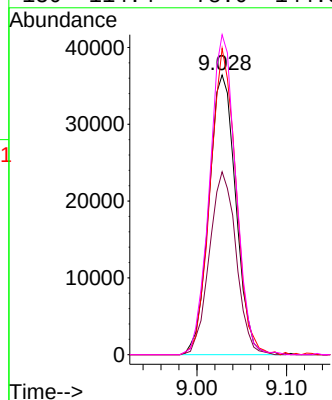
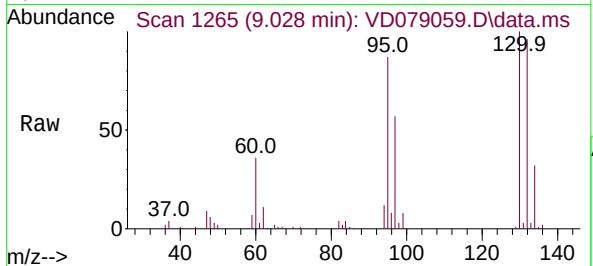




#34
Trichloroethene
Concen: 23.842 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

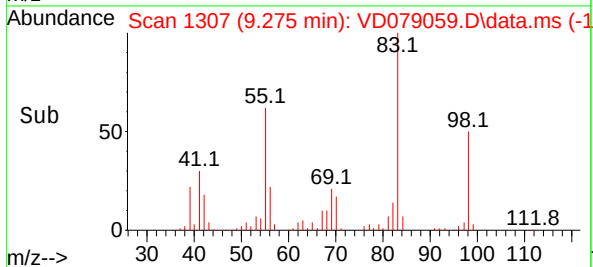
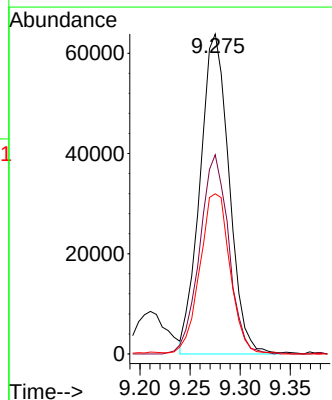
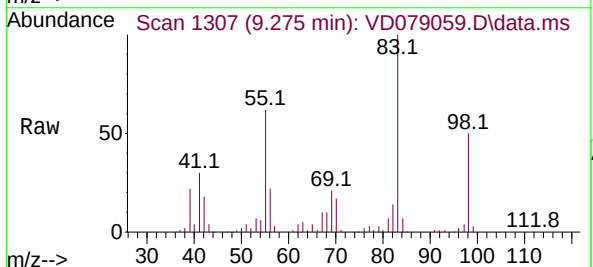
Instrument :
MSVOA_D
ClientSampleId :

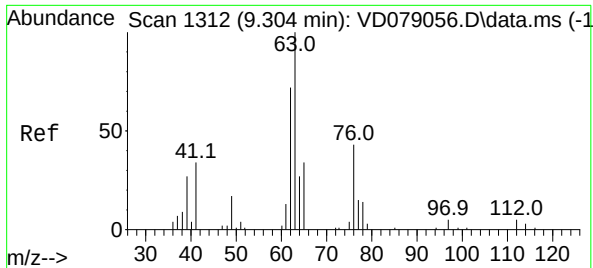
Tgt Ion: 95	Resp: 75556
Ion Ratio	Lower Upper
95 100	
97 65.4	44.6 82.8
132 109.5	74.9 139.1
130 114.4	78.0 144.8



#35
Methylcyclohexane
Concen: 24.581 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion: 83	Resp: 129078
Ion Ratio	Lower Upper
83 100	
55 61.9	48.6 72.8
98 51.8	40.2 60.2

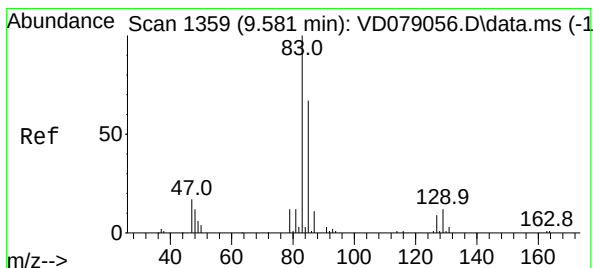
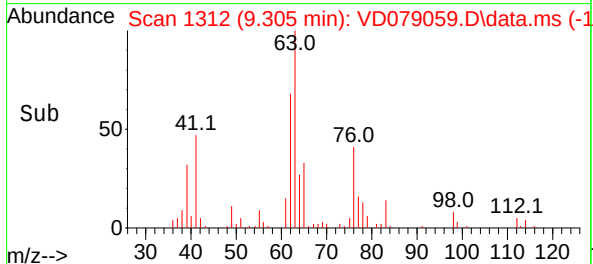
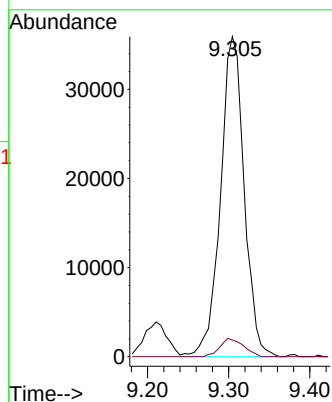
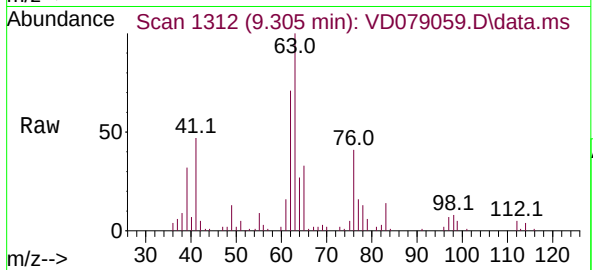




#37
1,2-Dichloropropane
Concen: 24.171 ug/L
RT: 9.305 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

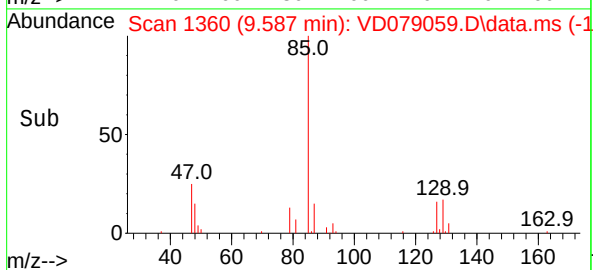
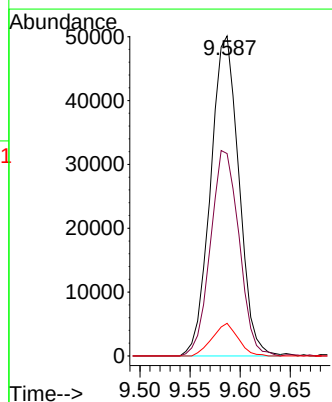
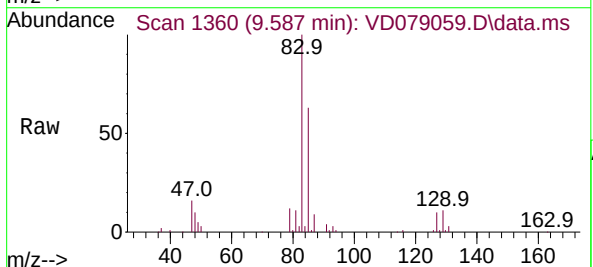
Instrument :
MSVOA_D
ClientSampleId :

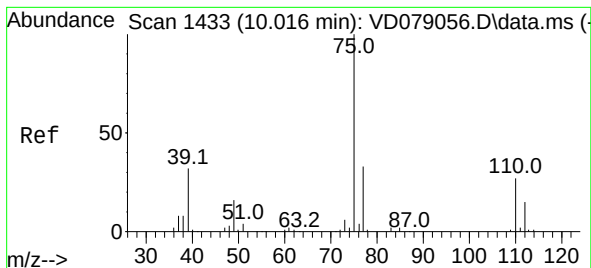
Tgt Ion: 63 Resp: 72847
Ion Ratio Lower Upper
63 100
112 5.7 3.9 5.9



#38
Bromodichloromethane
Concen: 23.492 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion: 83 Resp: 98423
Ion Ratio Lower Upper
83 100
85 63.2 46.5 86.5
127 10.2 7.0 10.6

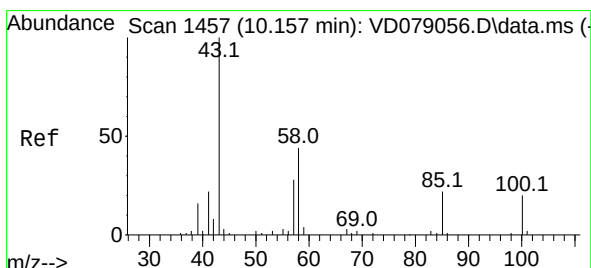
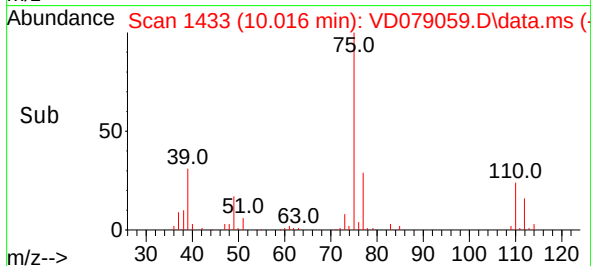
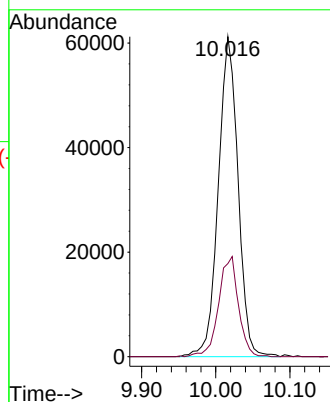
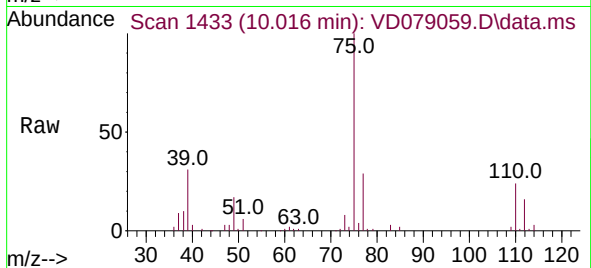




#39
cis-1,3-Dichloropropene
Concen: 24.069 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

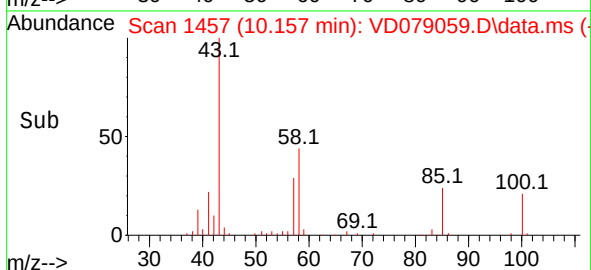
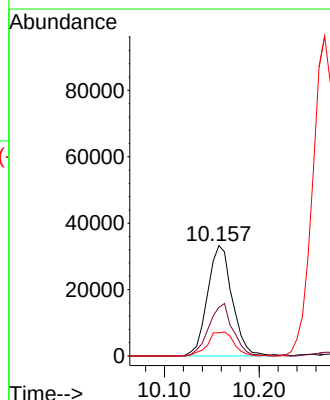
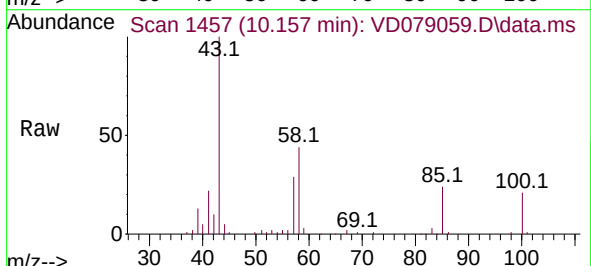
Instrument :
MSVOA_D
ClientSampleId :

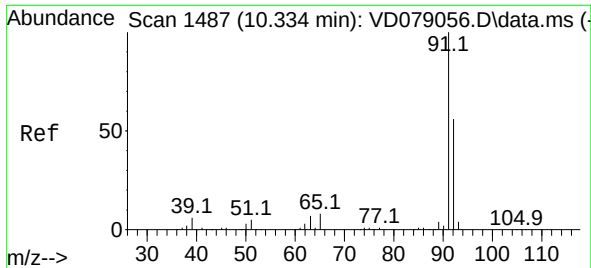
Tgt Ion: 75 Resp: 113239
Ion Ratio Lower Upper
75 100
77 29.1 23.4 43.4



#40
4-Methyl-2-pentanone
Concen: 48.055 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion: 43 Resp: 60459
Ion Ratio Lower Upper
43 100
58 45.6 34.0 51.0
100 22.7 16.9 25.3

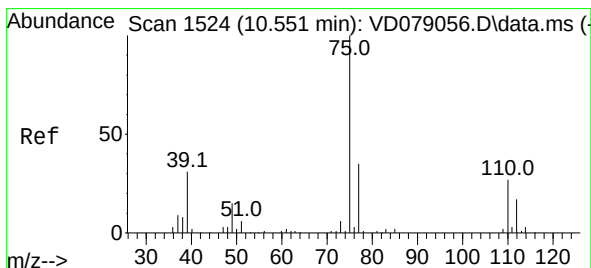
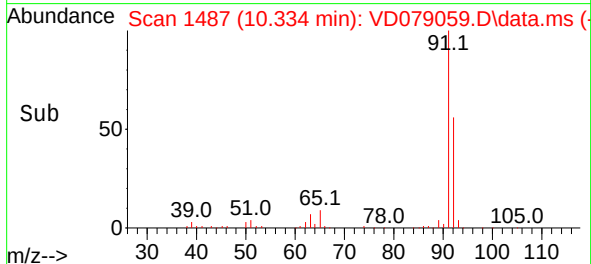
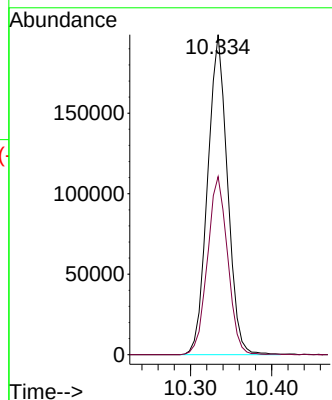
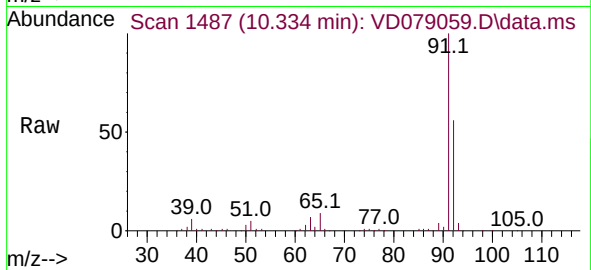




#42
Toluene
Concen: 24.689 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

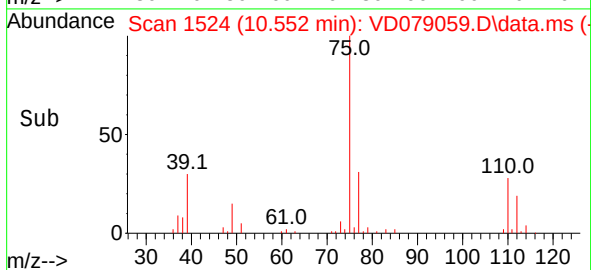
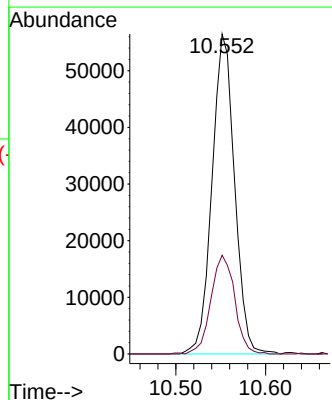
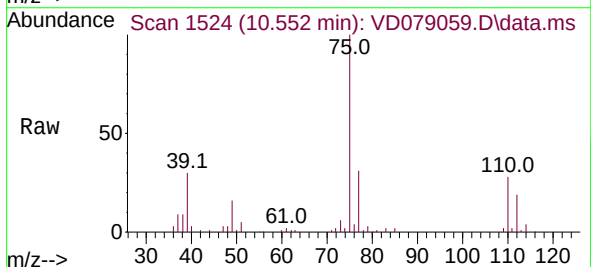
Instrument :
MSVOA_D
ClientSampleId :

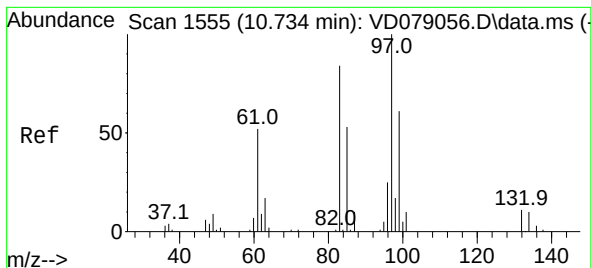
Tgt Ion: 91 Resp: 337330
Ion Ratio Lower Upper
91 100
92 55.7 38.9 72.3



#44
trans-1,3-Dichloropropene
Concen: 24.755 ug/L
RT: 10.552 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion: 75 Resp: 98487
Ion Ratio Lower Upper
75 100
77 30.8 24.3 45.1





#45

1,1,2-Trichloroethane

Concen: 23.164 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 61248

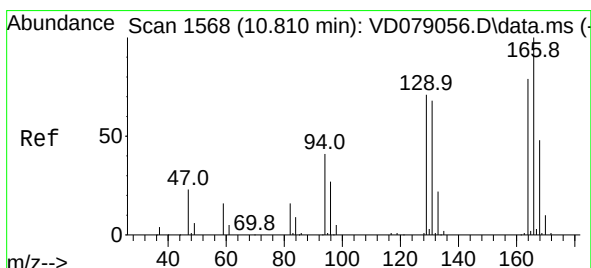
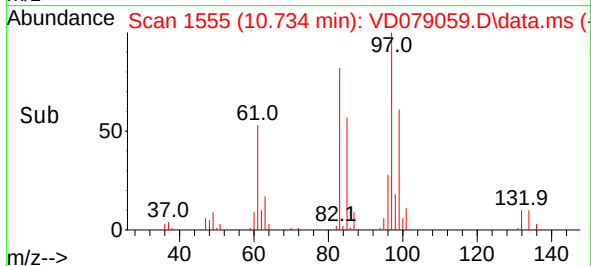
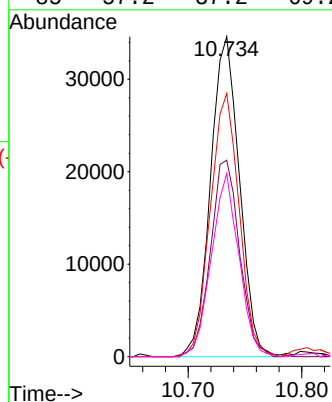
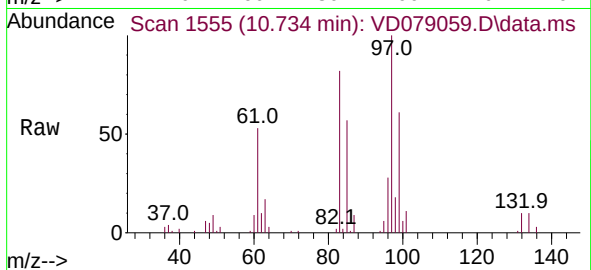
Ion Ratio Lower Upper

97 100

99 61.4 43.0 79.8

83 82.2 58.9 109.5

85 57.2 37.2 69.2



#46

Tetrachloroethene

Concen: 22.835 ug/L

RT: 10.804 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Tgt Ion:164 Resp: 63720

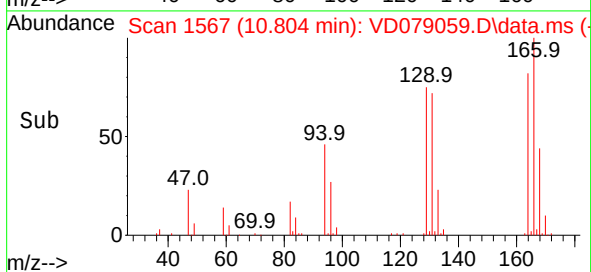
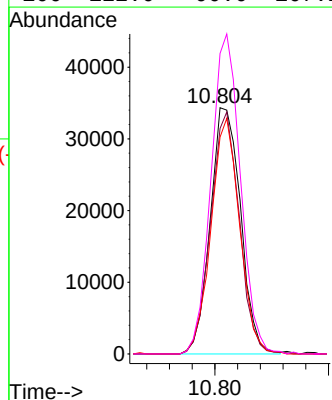
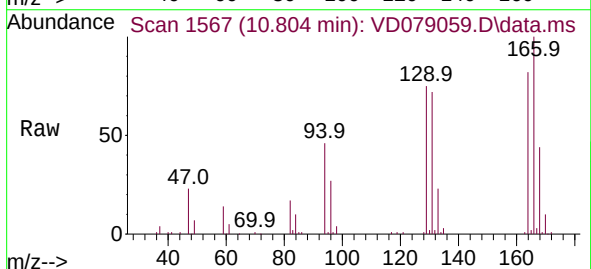
Ion Ratio Lower Upper

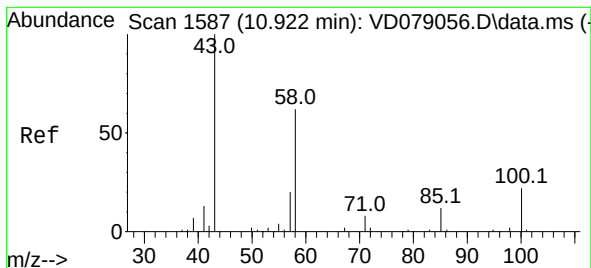
164 100

129 91.5 64.3 119.5

131 88.0 61.2 113.8

166 122.0 90.0 167.2





#48

2-Hexanone

Concen: 49.606 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

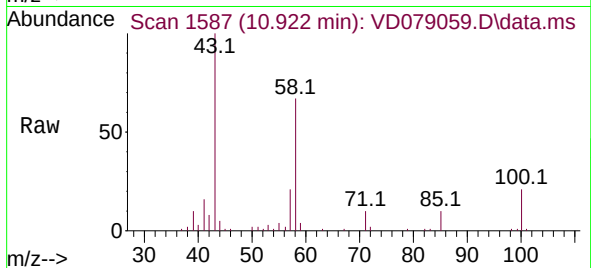
Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 54005

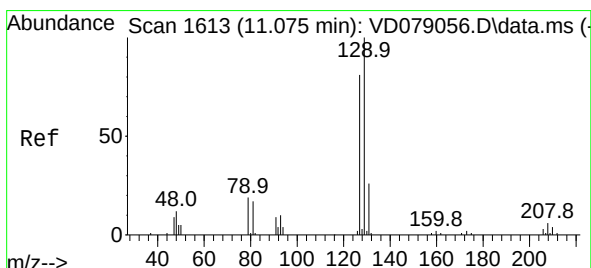
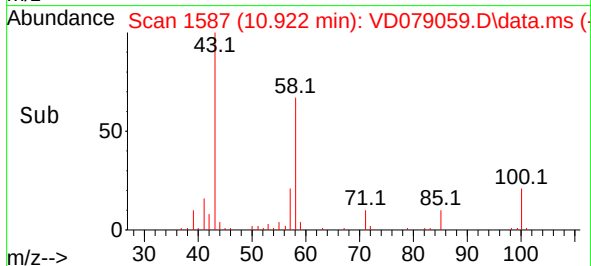
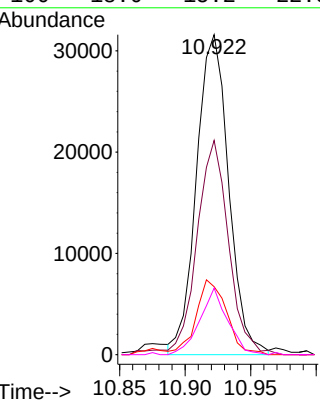
Ion Ratio Lower Upper

43 100

58 65.1 50.1 75.1

57 22.1 16.5 24.7

100 18.0 15.2 22.8



#49

Dibromochloromethane

Concen: 23.079 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD079059.D

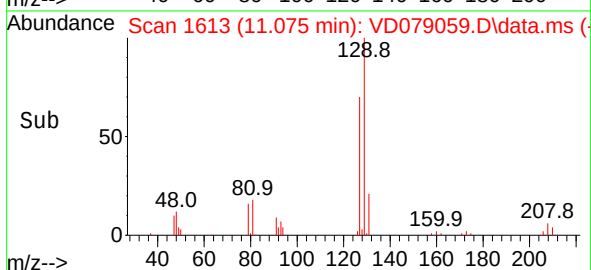
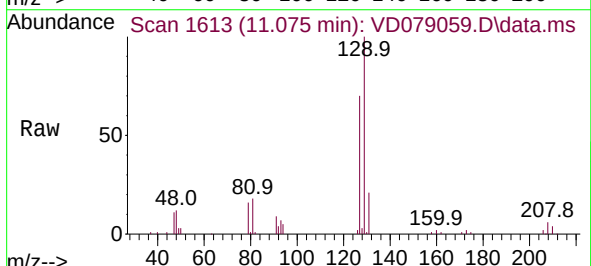
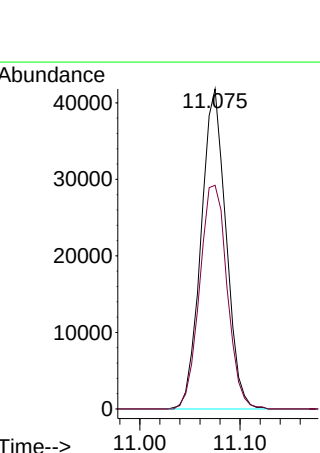
Acq: 29 May 2024 12:05

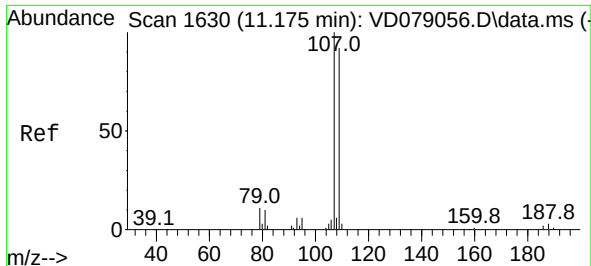
Tgt Ion: 129 Resp: 72263

Ion Ratio Lower Upper

129 100

127 69.9 56.4 104.7





#50

1,2-Dibromoethane

Concen: 24.090 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD079059.D

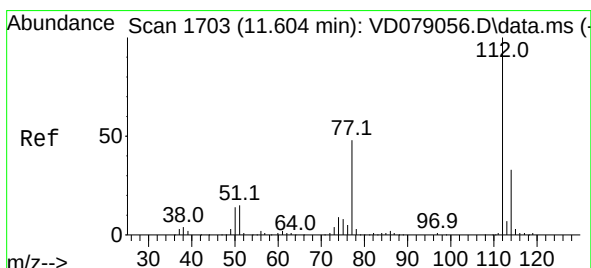
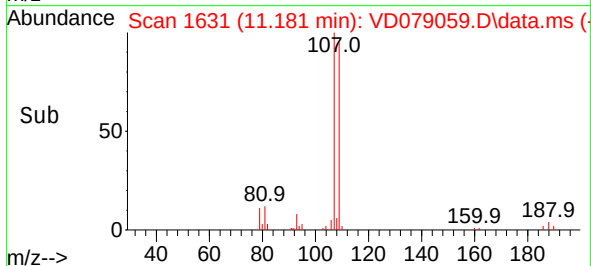
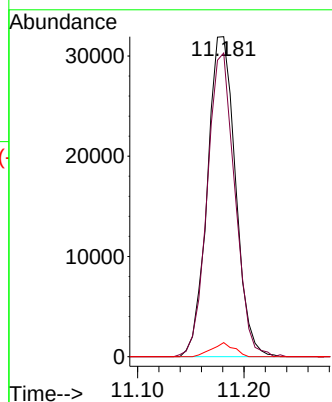
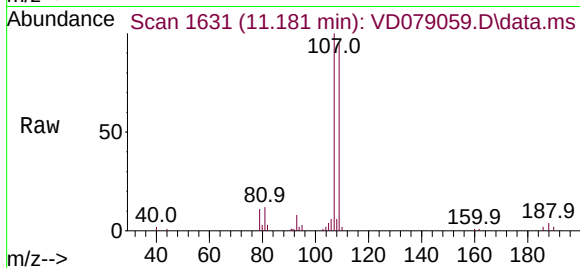
Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:107	Resp:	58539
Ion Ratio	Lower	Upper
107	100	
109	94.9	64.5 119.7
188	4.4	2.6 3.8#



#51

Chlorobenzene

Concen: 23.951 ug/L

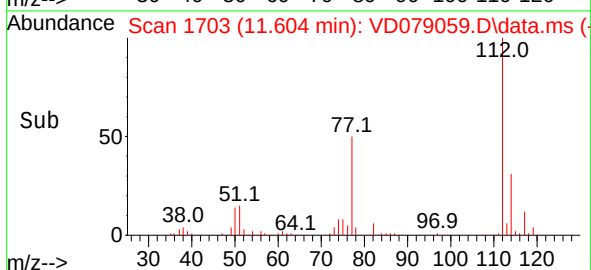
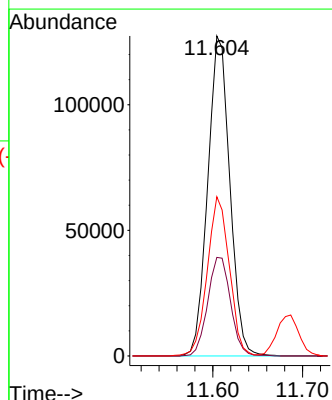
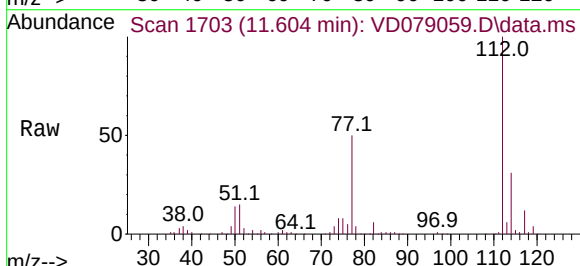
RT: 11.604 min Scan# 1703

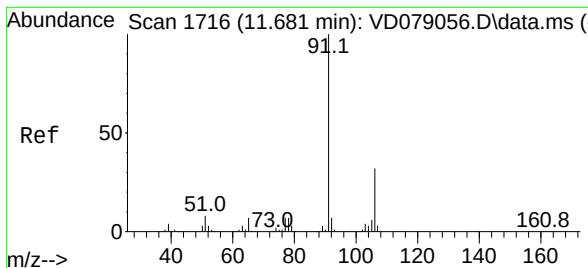
Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Tgt Ion:112	Resp:	217738
Ion Ratio	Lower	Upper
112	100	
114	30.8	22.7 42.3
77	49.7	38.4 57.6





#52

Ethylbenzene

Concen: 24.742 ug/L

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

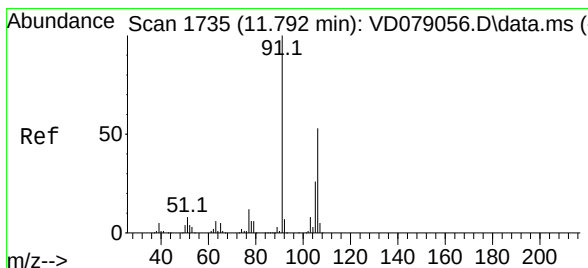
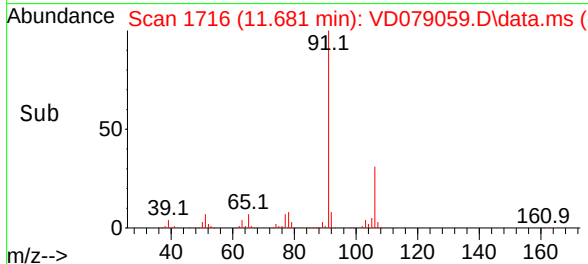
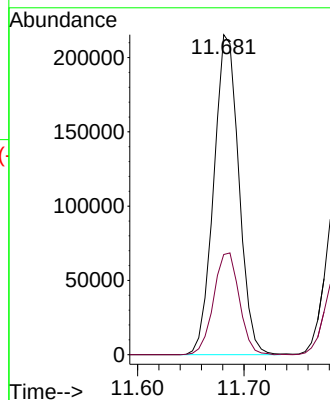
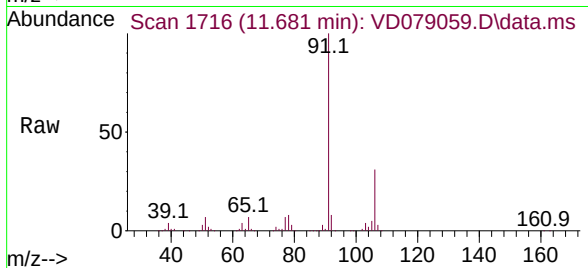
ClientSampleId :

Tgt Ion: 91 Resp: 352611

Ion Ratio Lower Upper

91 100

106 31.3 22.3 41.5



#53

m,p-Xylene

Concen: 25.508 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD079059.D

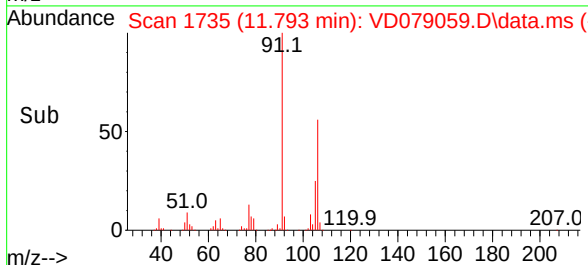
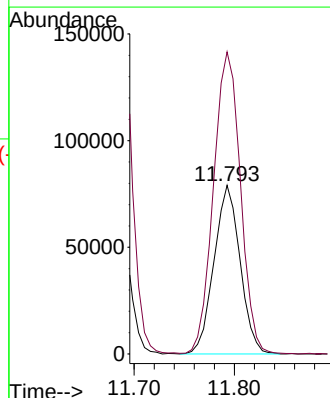
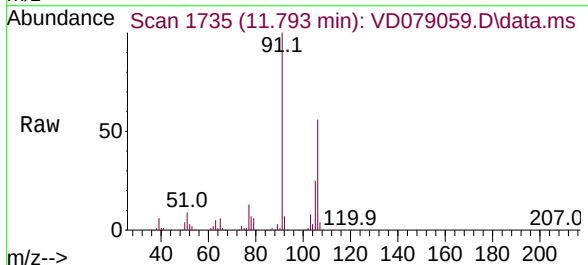
Acq: 29 May 2024 12:05

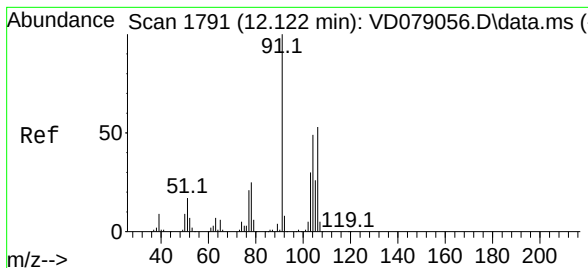
Tgt Ion:106 Resp: 142630

Ion Ratio Lower Upper

106 100

91 179.2 133.1 247.1

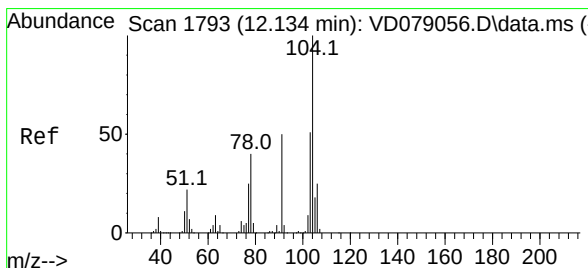
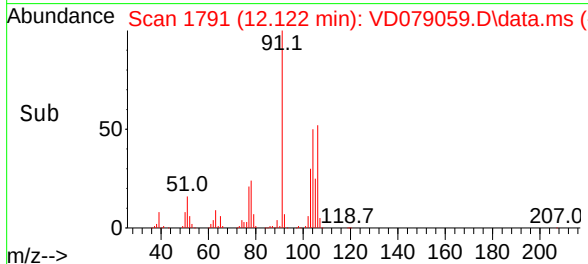
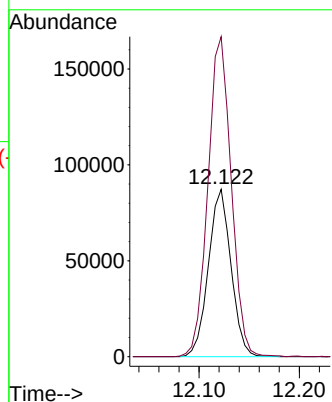
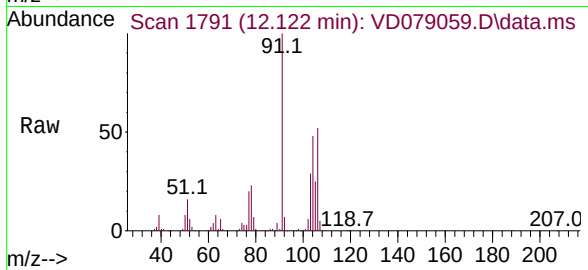




#54
o-Xylene
Concen: 25.399 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

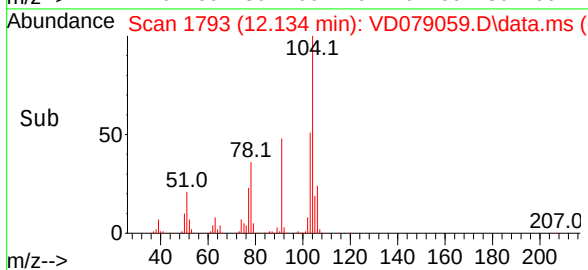
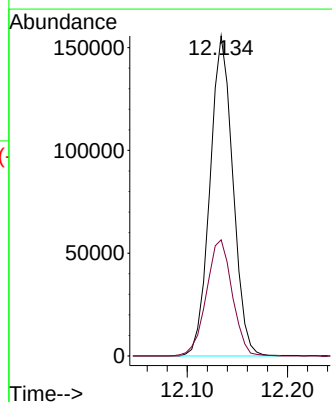
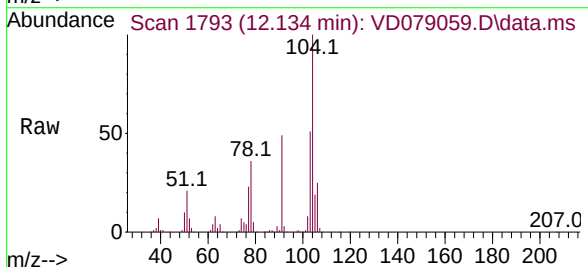
Instrument :
MSVOA_D
ClientSampleId :

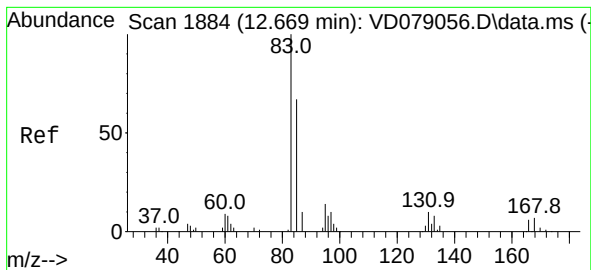
Tgt Ion:106 Resp: 137210
Ion Ratio Lower Upper
106 100
91 191.1 132.9 246.9



#55
Styrene
Concen: 25.903 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

Tgt Ion:104 Resp: 248122
Ion Ratio Lower Upper
104 100
78 36.3 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 23.038 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

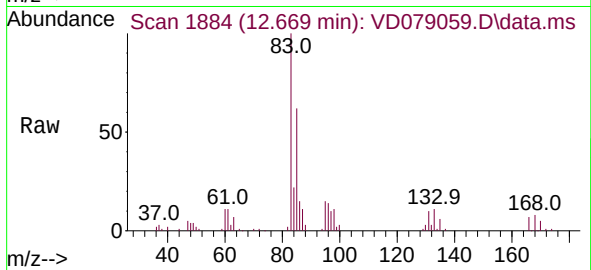
Lab File: VD079059.D

Acq: 29 May 2024 12:05

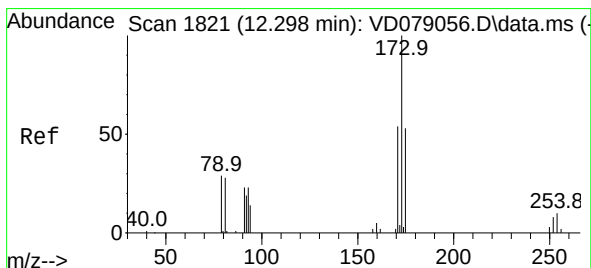
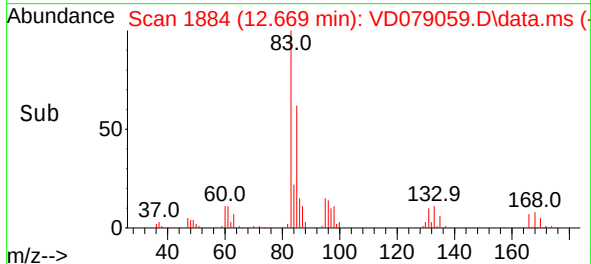
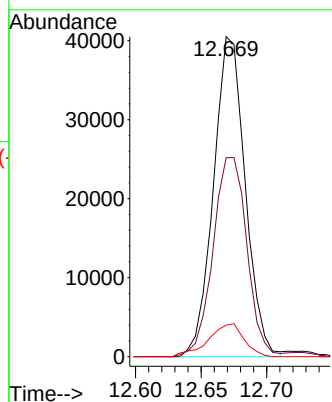
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	83	Resp:	68186
Ion Ratio	Lower	Upper	
83	100		
85	62.2	47.5	88.1
131	9.8	8.6	13.0



#59

Bromoform

Concen: 23.738 ug/L

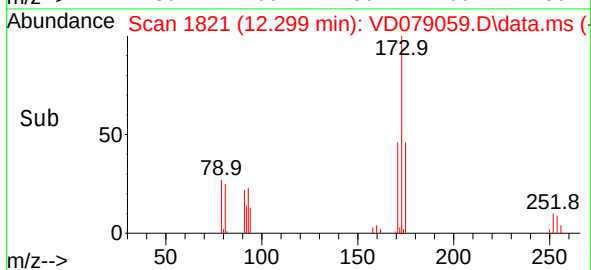
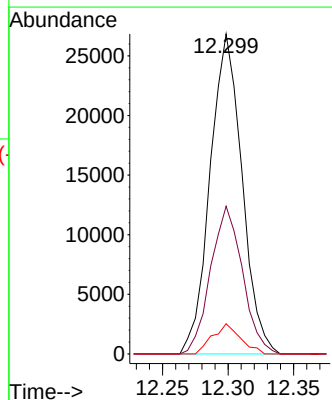
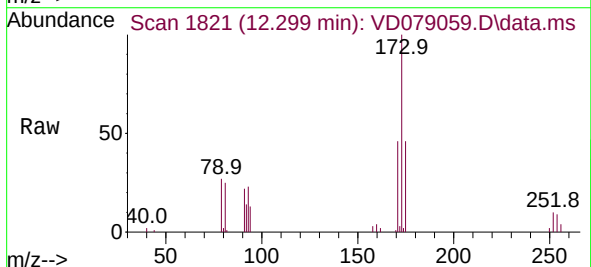
RT: 12.299 min Scan# 1821

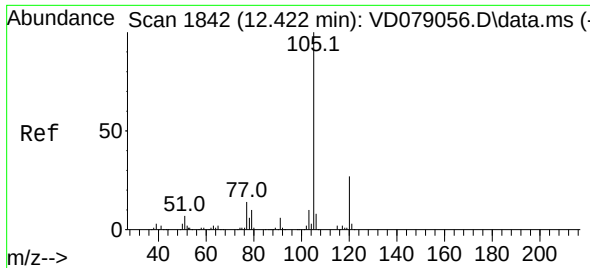
Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

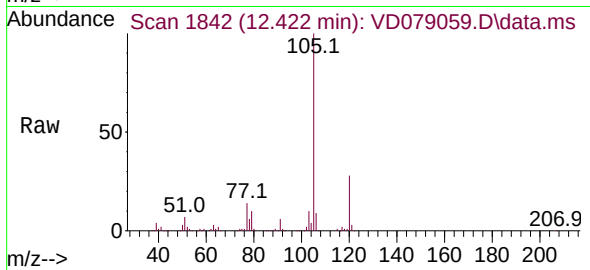
Tgt Ion:	173	Resp:	45419
Ion Ratio	Lower	Upper	
173	100		
175	46.1	38.2	57.4
254	8.2	7.0	10.6



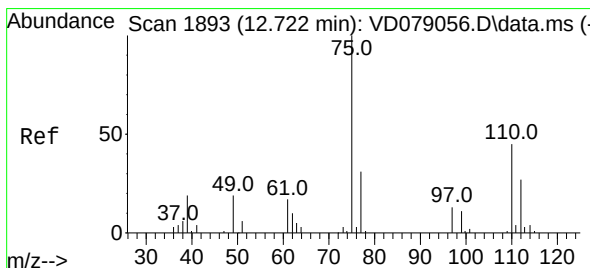
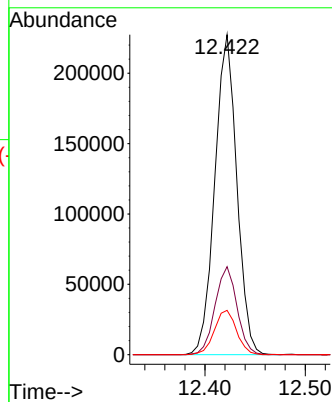
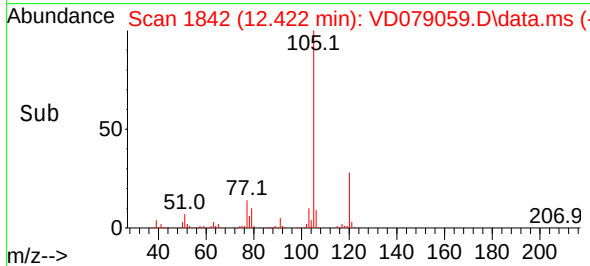


#60
Isopropylbenzene
Concen: 25.099 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

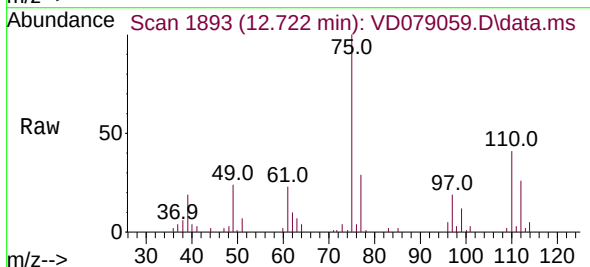
Instrument :
MSVOA_D
ClientSampleId :



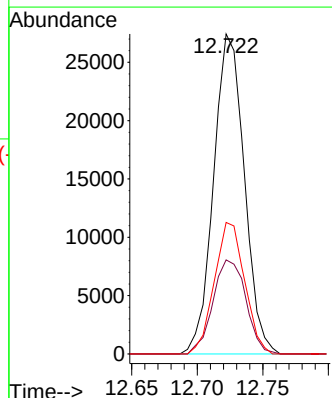
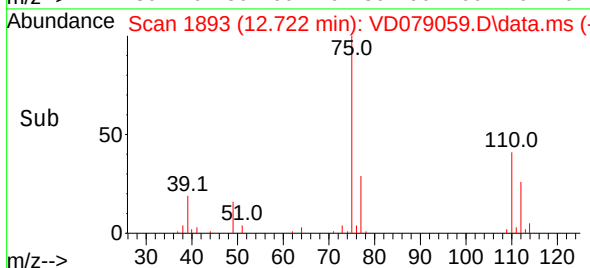
Tgt Ion:105 Resp: 346471
Ion Ratio Lower Upper
105 100
120 27.4 21.9 32.9
77 14.0 10.9 16.3

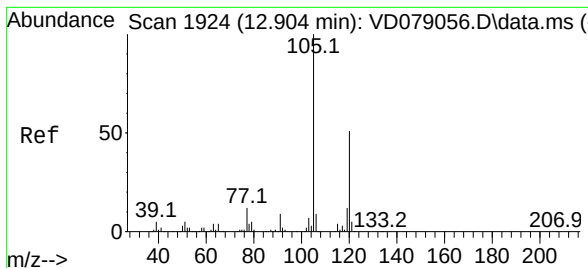


#61
1,2,3-Trichloropropane
Concen: 24.222 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05



Tgt Ion: 75 Resp: 44645
Ion Ratio Lower Upper
75 100
77 31.5 25.9 38.9
110 40.5 34.2 51.4





#62

1,3,5-Trimethylbenzene

Concen: 25.408 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

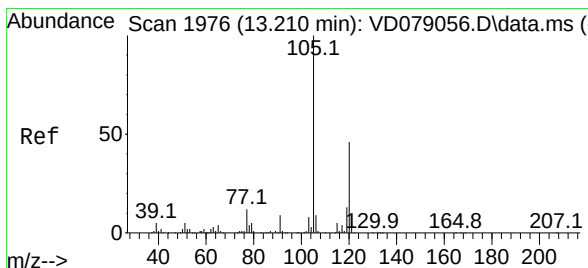
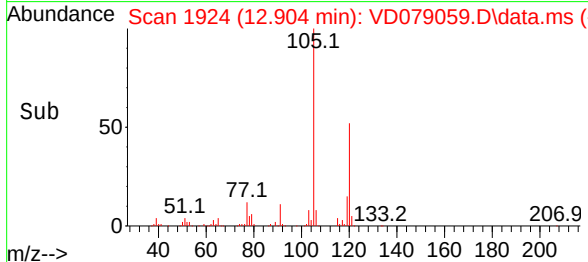
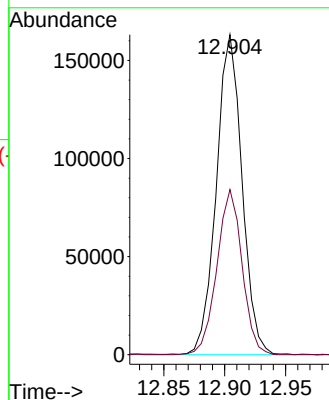
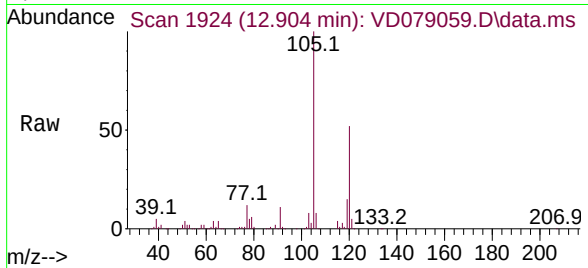
ClientSampleId :

Tgt Ion:105 Resp: 239803

Ion Ratio Lower Upper

105 100

120 50.5 40.7 61.1



#63

1,2,4-Trimethylbenzene

Concen: 25.972 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079059.D

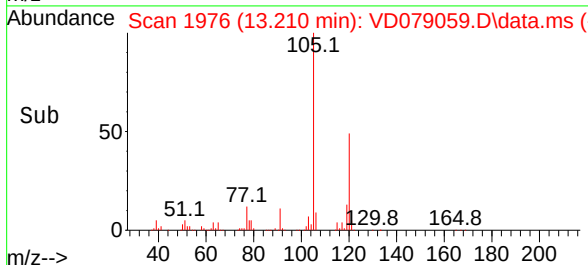
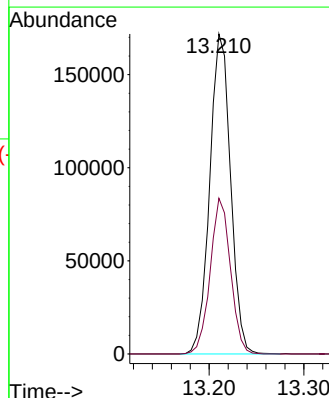
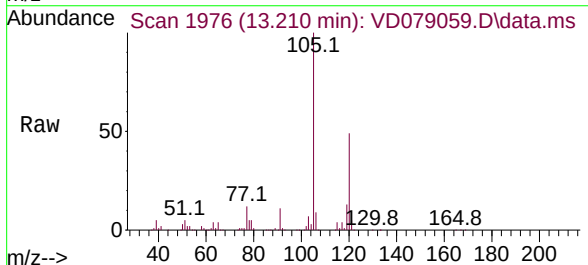
Acq: 29 May 2024 12:05

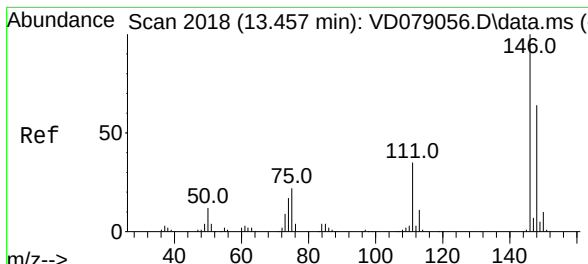
Tgt Ion:105 Resp: 262187

Ion Ratio Lower Upper

105 100

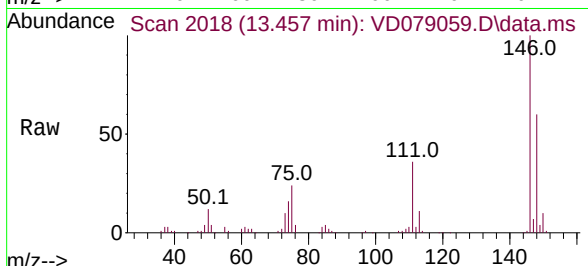
120 47.4 38.0 57.0



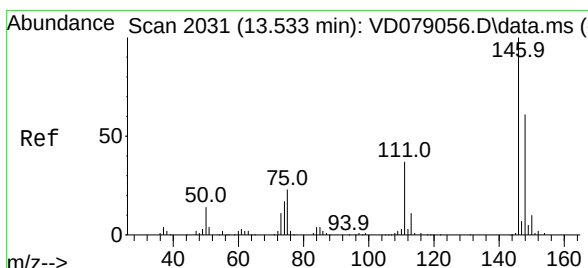
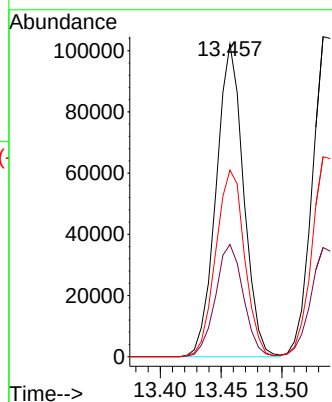
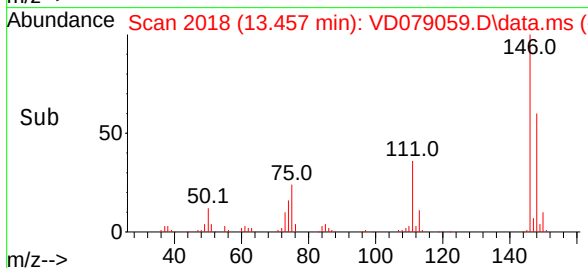


#64
1,3-Dichlorobenzene
Concen: 24.102 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05

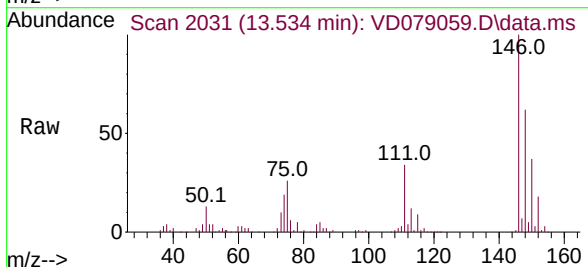
Instrument :
MSVOA_D
ClientSampleId :



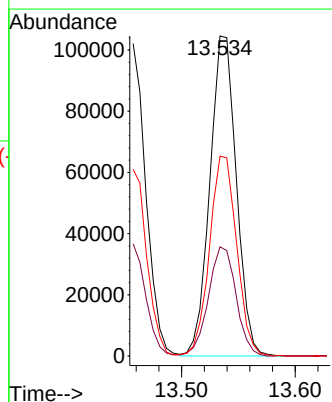
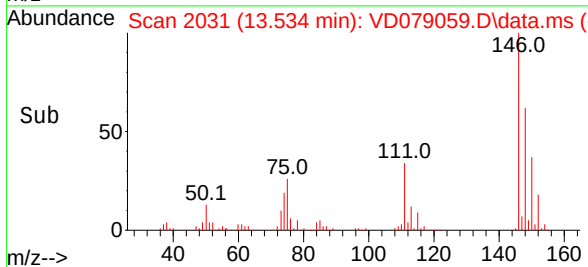
Tgt Ion:146 Resp: 159832
Ion Ratio Lower Upper
146 100
111 35.9 24.4 45.4
148 59.7 44.9 83.3

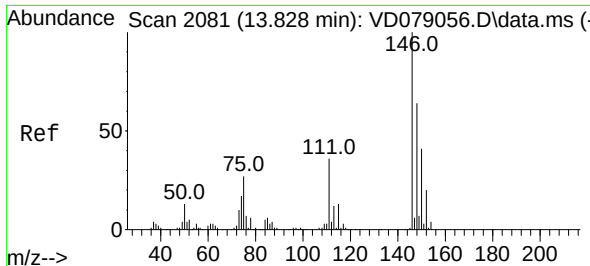


#65
1,4-Dichlorobenzene
Concen: 24.121 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD079059.D
Acq: 29 May 2024 12:05



Tgt Ion:146 Resp: 169483
Ion Ratio Lower Upper
146 100
111 34.1 26.3 48.9
148 62.5 43.1 80.1





#67

1,2-Dichlorobenzene

Concen: 24.047 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

ClientSampleId :

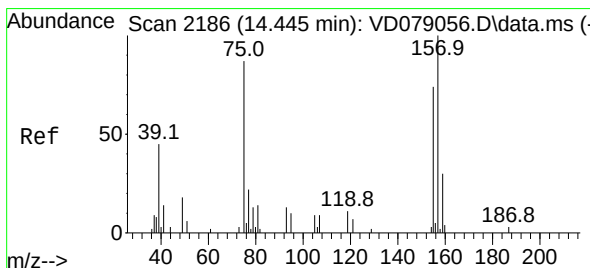
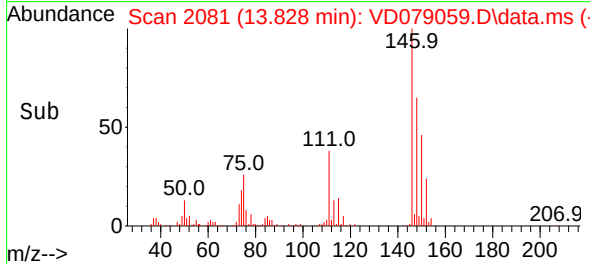
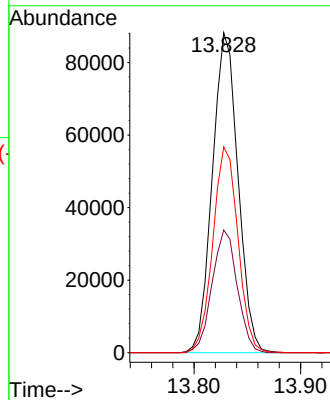
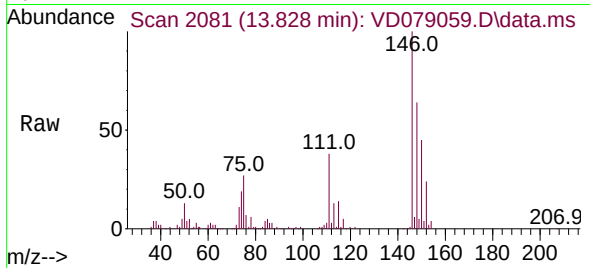
Tgt Ion:146 Resp: 147413

Ion Ratio Lower Upper

146 100

111 38.4 29.1 43.7

148 64.3 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 21.750 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

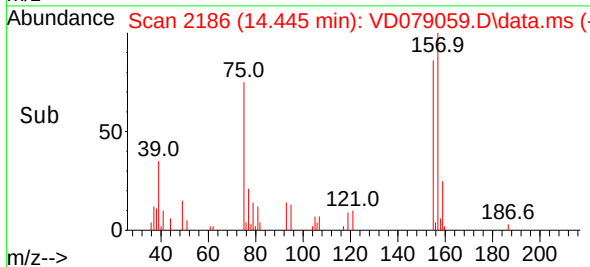
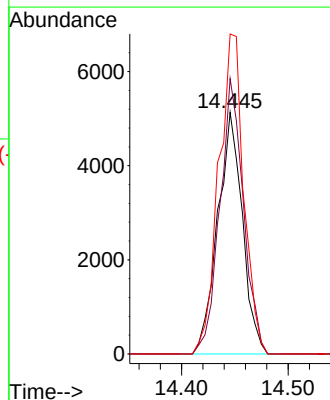
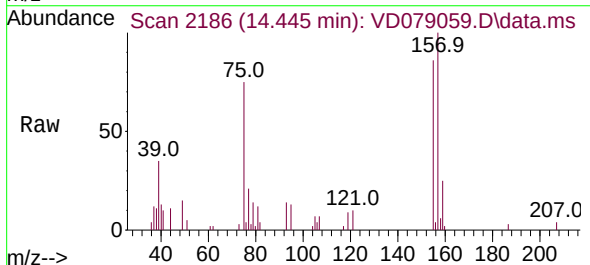
Tgt Ion: 75 Resp: 8241

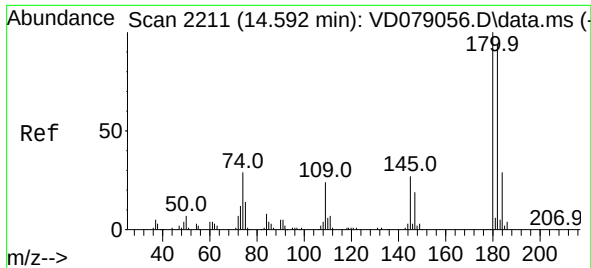
Ion Ratio Lower Upper

75 100

155 114.0 68.1 102.1#

157 132.5 91.6 137.4





#69

1,3,5-Trichlorobenzene

Concen: 23.787 ug/L

RT: 14.593 min Scan# 2211

Delta R.T. 0.000 min

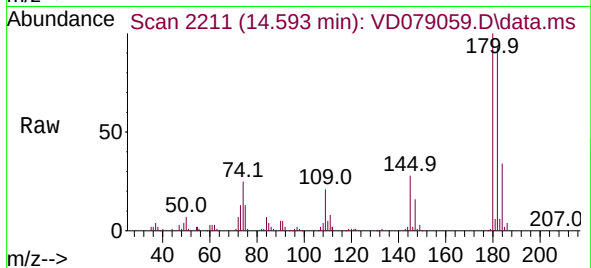
Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 99489

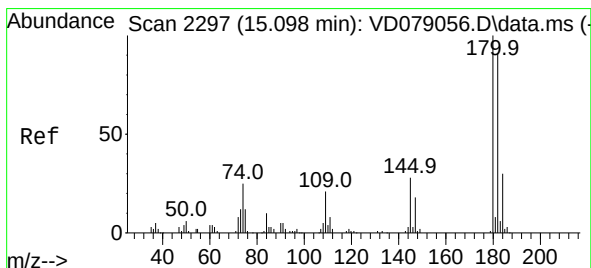
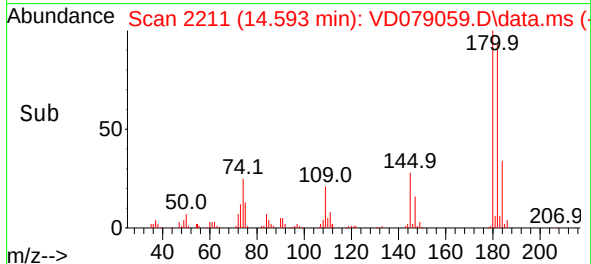
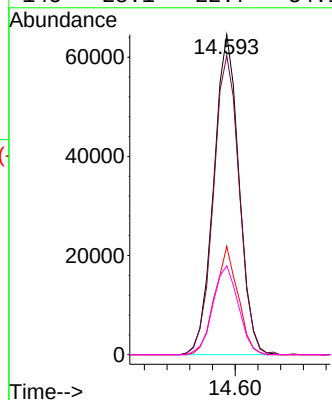
Ion Ratio Lower Upper

180 100

182 95.9 76.9 115.3

184 31.1 23.3 34.9

145 28.1 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 22.932 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

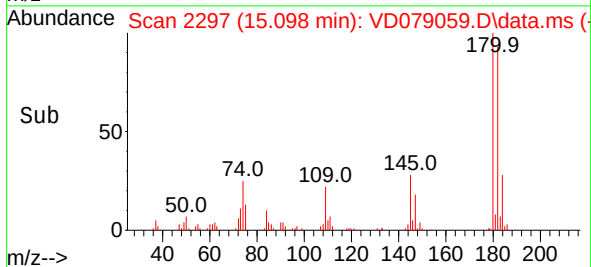
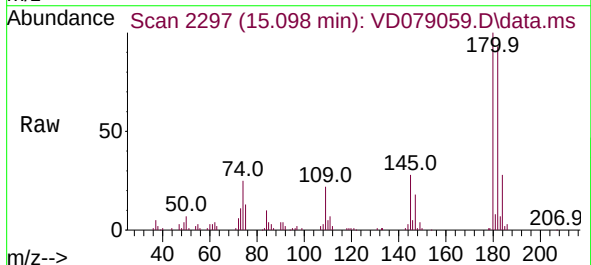
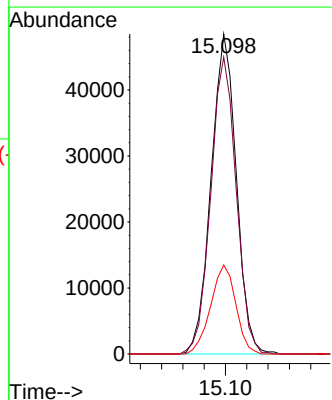
Tgt Ion:180 Resp: 79657

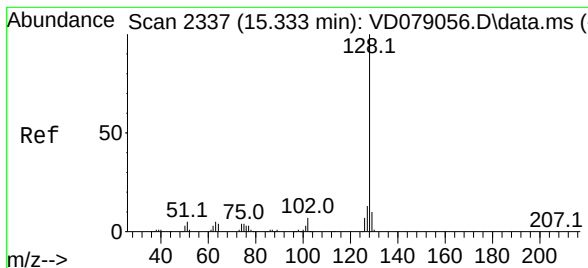
Ion Ratio Lower Upper

180 100

182 93.4 73.8 110.6

145 27.8 22.3 33.5





#71

Naphthalene

Concen: 23.236 ug/L

RT: 15.328 min Scan# 2336

Delta R.T. -0.006 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Instrument :

MSVOA_D

ClientSampleId :

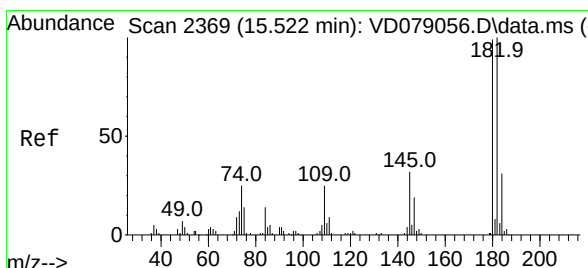
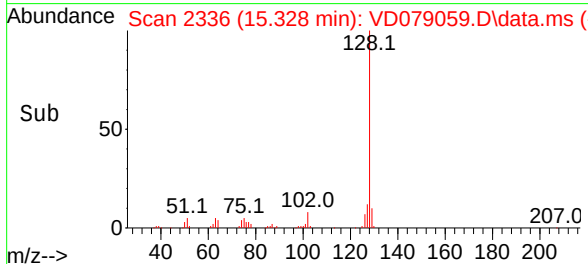
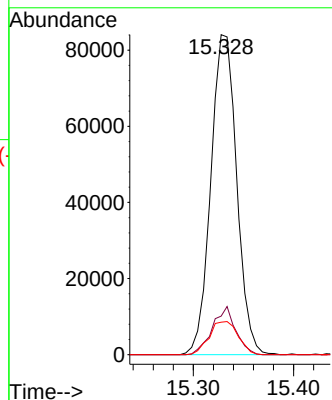
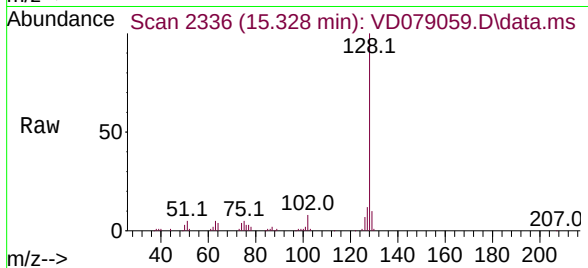
Tgt Ion:128 Resp: 150944

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 11.6 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 24.577 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD079059.D

Acq: 29 May 2024 12:05

Tgt Ion:180 Resp: 73783

Ion Ratio Lower Upper

180 100

182 95.9 79.4 119.2

145 30.6 24.7 37.1

