

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060424\
 Data File : VD079141.D
 Acq On : 04 Jun 2024 15:51
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 05 03:22:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 05 03:20:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	197639	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	191680	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	102589	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	157291	25.862	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.440%
7) Chloroethane-d5	2.799	69	135097	22.972	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.880%
11) 1,1-Dichloroethene-d2	3.917	65	27742	25.694	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.760%
21) 2-Butanone-d5	6.987	46	26632	57.250	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.500%
24) Chloroform-d	7.563	84	137618	24.903	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	8.228	65	68851	27.008	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.040%
32) Benzene-d6	8.199	84	294116	27.679	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.720%
36) 1,2-Dichloropropane-d6	9.210	67	80325	26.242	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.960%
41) Toluene-d8	10.269	98	271935	27.332	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.320%
43) trans-1,3-Dichloroprop...	10.522	79	35625	27.690	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.760%
47) 2-Hexanone-d5	10.875	63	25134	63.517	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.040%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	76998	28.400	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.600%
66) 1,2-Dichlorobenzene-d4	13.810	152	90398	25.532	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.120%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	72309	23.112	ug/L	96
3) Chloromethane	2.146	50	115707	27.748	ug/L	100
5) Vinyl chloride	2.281	62	168080	24.421	ug/L	96
6) Bromomethane	2.693	94	105655	19.885	ug/L	100
8) Chloroethane	2.834	64	108007	21.411	ug/L	95
9) Trichlorofluoromethane	3.170	101	116810	22.279	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	74993	23.853	ug/L	99
12) 1,1-Dichloroethene	3.940	96	62309	22.764	ug/L	90
13) Acetone	4.022	43	37084	55.064	ug/L	99
14) Carbon disulfide	4.269	76	219718	23.011	ug/L	97
15) Methyl Acetate	4.558	43	23258	25.346	ug/L	98
16) Methylene chloride	4.805	84	91425	25.961	ug/L	96
17) trans-1,2-Dichloroethene	5.311	96	70300	23.766	ug/L	91
18) Methyl tert-butyl Ether	5.316	73	132213	25.202	ug/L #	91
19) 1,1-Dichloroethane	6.111	63	113698	23.874	ug/L #	93
20) cis-1,2-Dichloroethene	7.075	96	77825	25.268	ug/L	98
22) 2-Butanone	7.075	43	37042	52.357	ug/L	73
23) Bromochloromethane	7.422	128	36725	23.518	ug/L	91
25) Chloroform	7.587	83	131699	24.357	ug/L	96

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 Response via : Initial Calibration

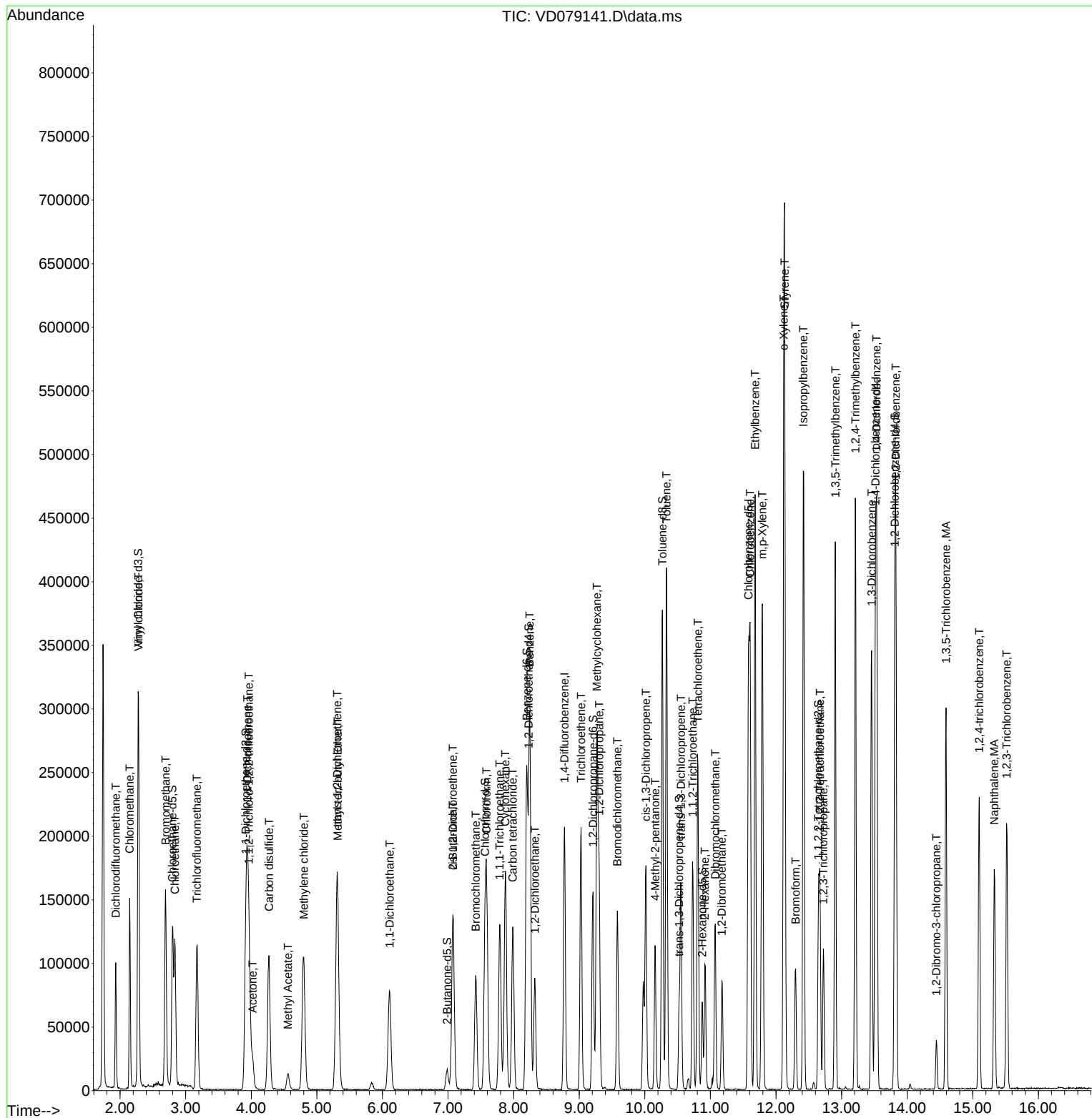
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	75740	24.130	ug/L	99
29) Cyclohexane	7.875	56	88004	25.446	ug/L	99
30) 1,1,1-Trichloroethane	7.787	97	109377	24.102	ug/L	100
31) Carbon tetrachloride	7.987	117	101005	23.951	ug/L	99
33) Benzene	8.246	78	289751	25.380	ug/L	100
34) Trichloroethene	9.028	95	72514	24.661	ug/L	94
35) Methylcyclohexane	9.269	83	119433	24.513	ug/L	99
37) 1,2-Dichloropropane	9.305	63	70944	25.370	ug/L #	94
38) Bromodichloromethane	9.581	83	97527	25.088	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	111695	25.587	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	65494	56.106	ug/L	96
42) Toluene	10.328	91	327309	25.819	ug/L	99
44) trans-1,3-Dichloropropene	10.552	75	97611	26.443	ug/L	94
45) 1,1,2-Trichloroethane	10.728	97	61375	25.018	ug/L	97
46) Tetrachloroethene	10.810	164	62804	24.257	ug/L	96
48) 2-Hexanone	10.916	43	59282	58.688	ug/L	99
49) Dibromochloromethane	11.075	129	69795	24.025	ug/L	98
50) 1,2-Dibromoethane	11.175	107	57898	25.680	ug/L #	94
51) Chlorobenzene	11.604	112	204693	24.267	ug/L	99
52) Ethylbenzene	11.681	91	337912	25.554	ug/L	98
53) m,p-Xylene	11.793	106	137311	26.467	ug/L	92
54) o-Xylene	12.116	106	128499	25.636	ug/L	98
55) Styrene	12.134	104	235667	26.517	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.669	83	72051	26.237	ug/L	97
59) Bromoform	12.298	173	44842	23.849	ug/L	100
60) Isopropylbenzene	12.416	105	336356	24.796	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	46034	25.416	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	226039	24.371	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	249013	25.102	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	153974	23.628	ug/L	95
65) 1,4-Dichlorobenzene	13.534	146	165145	23.917	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	143683	23.851	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.445	75	9457	25.399	ug/L	96
69) 1,3,5-Trichlorobenzene	14.592	180	98467	23.958	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	78733	23.066	ug/L	98
71) Naphthalene	15.328	128	158020	24.754	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	75073	25.447	ug/L	96

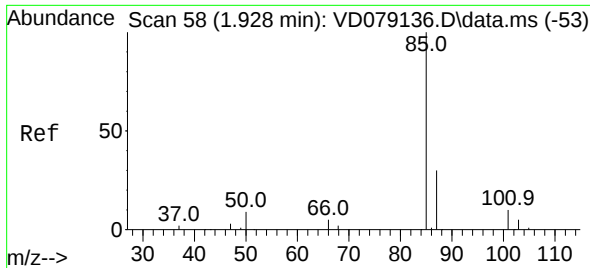
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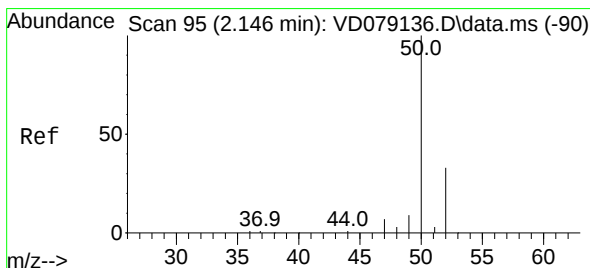
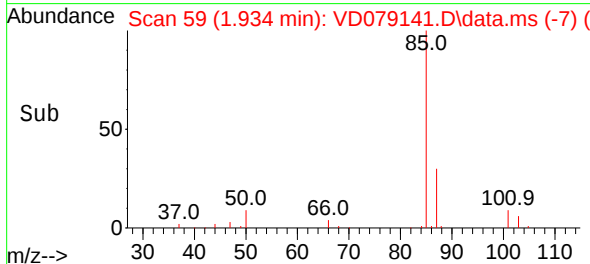
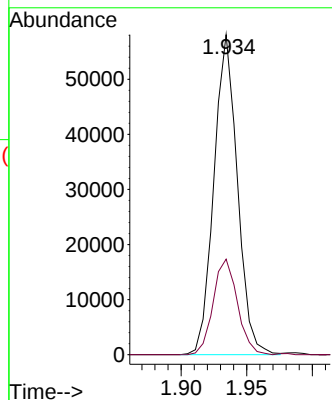
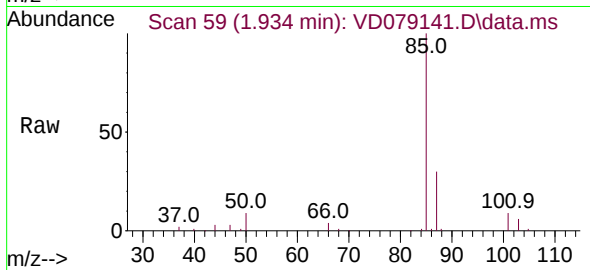




#2
Dichlorodifluoromethane
Concen: 23.112 ug/L
RT: 1.934 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

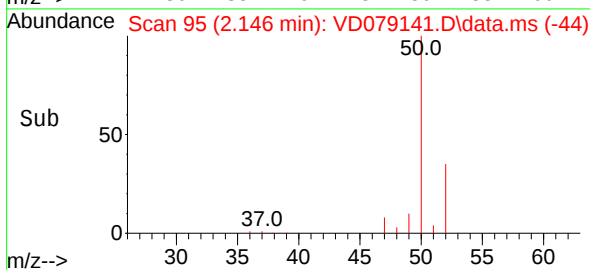
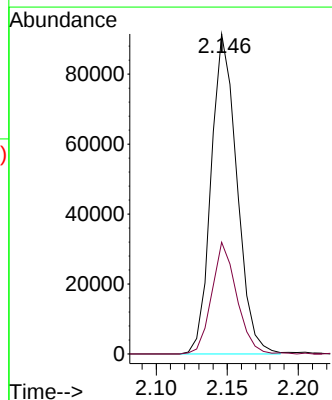
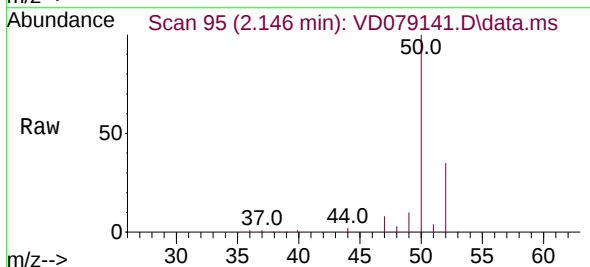
Instrument :
MSVOA_D
ClientSampleId :

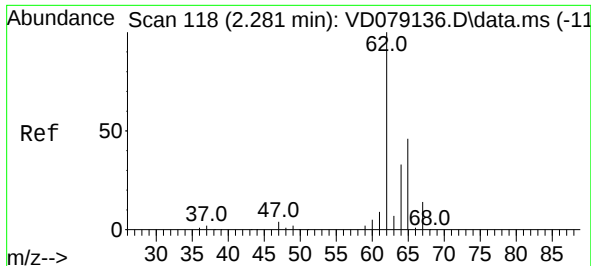
Tgt Ion: 85 Resp: 72309
Ion Ratio Lower Upper
85 100
87 30.8 26.2 39.4



#3
Chloromethane
Concen: 27.748 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

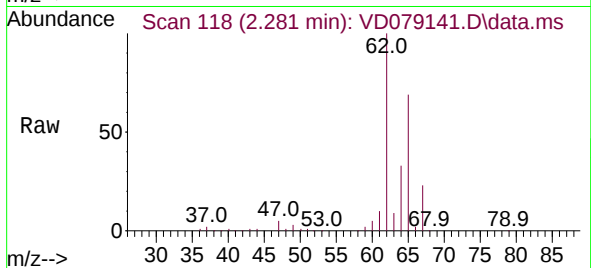
Tgt Ion: 50 Resp: 115707
Ion Ratio Lower Upper
50 100
52 34.9 24.4 45.2



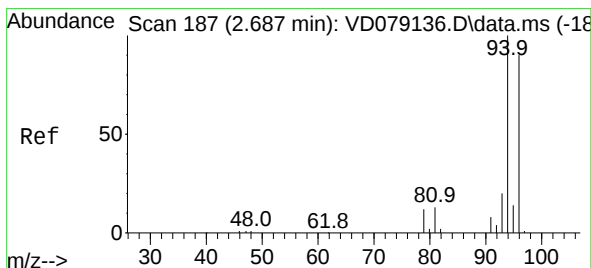
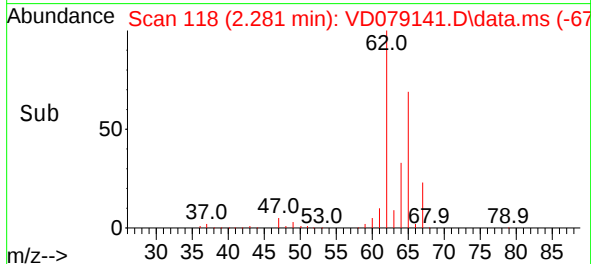
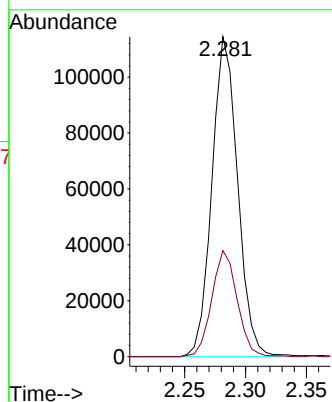


#5
 Vinyl chloride
 Concen: 24.421 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD079141.D
 Acq: 04 Jun 2024 15:51

Instrument :
 MSVOA_D
 ClientSampleId :

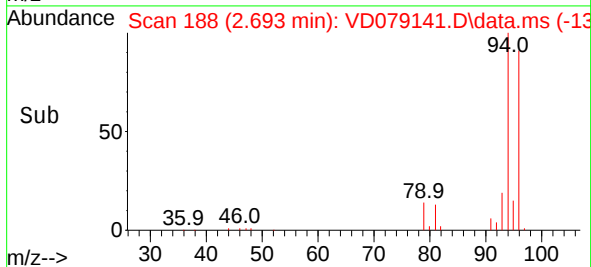
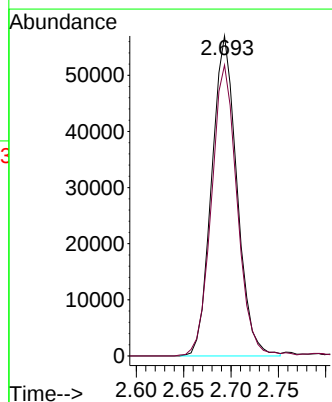
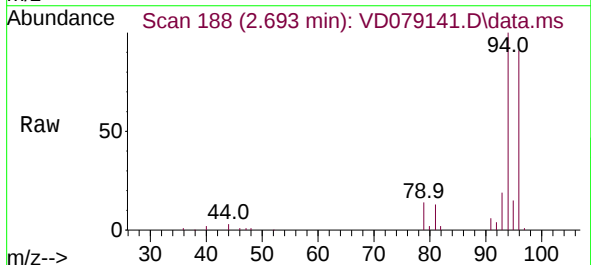


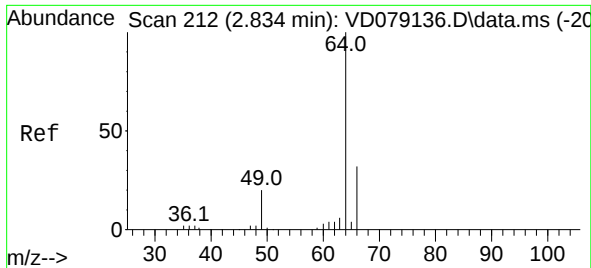
Tgt Ion: 62 Resp: 168080
 Ion Ratio Lower Upper
 62 100
 64 33.2 24.8 46.1



#6
 Bromomethane
 Concen: 19.885 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.006 min
 Lab File: VD079141.D
 Acq: 04 Jun 2024 15:51

Tgt Ion: 94 Resp: 105655
 Ion Ratio Lower Upper
 94 100
 96 90.9 63.6 118.2

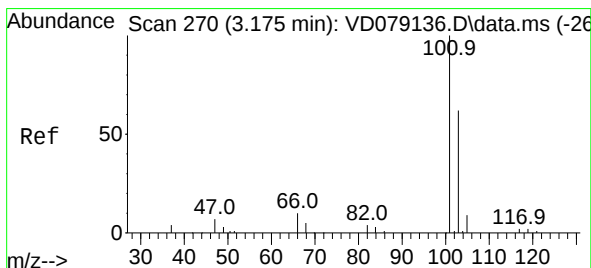
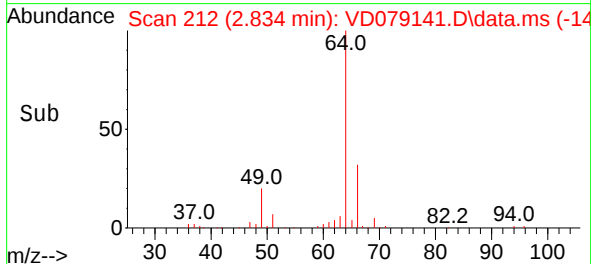
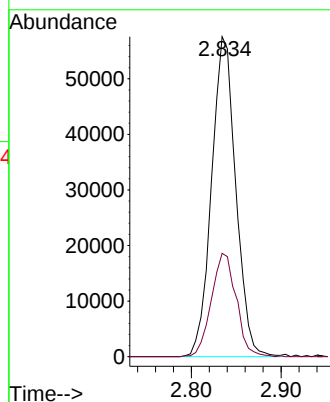
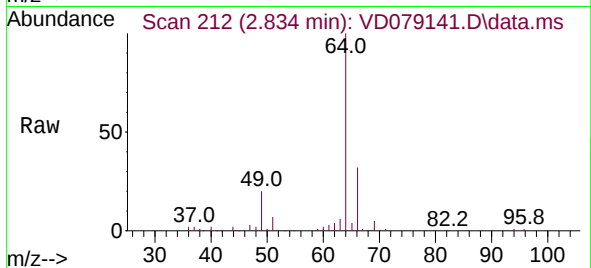




#8
Chloroethane
Concen: 21.411 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

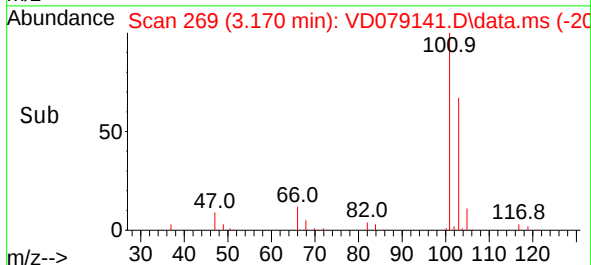
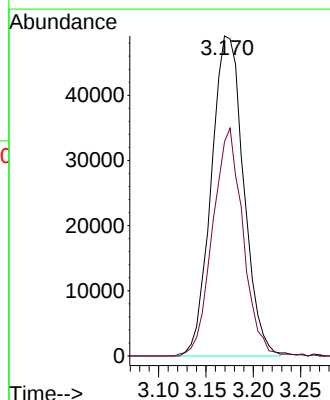
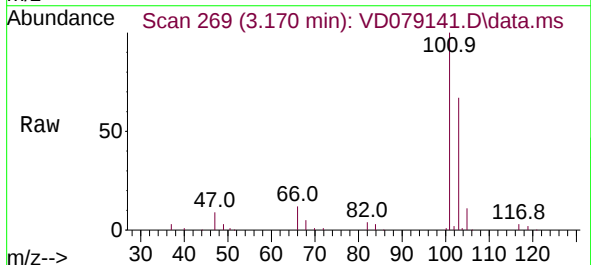
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MSVOA_D
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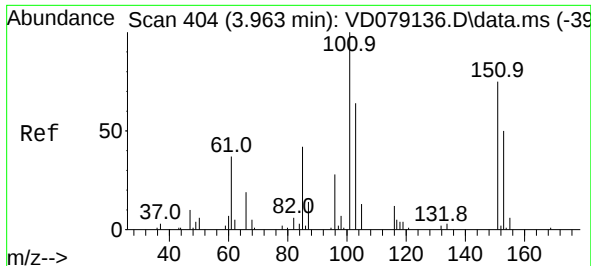
Tgt Ion: 64 Resp: 108007
Ion Ratio Lower Upper
64 100
66 32.3 24.8 46.1



#9
Trichlorofluoromethane
Concen: 22.279 ug/L
RT: 3.170 min Scan# 269
Delta R.T. -0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Tgt Ion:101 Resp: 116810
Ion Ratio Lower Upper
101 100
103 66.6 52.6 79.0

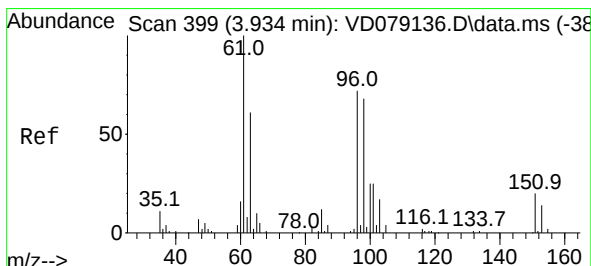
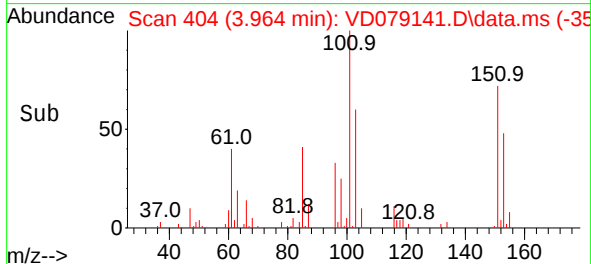
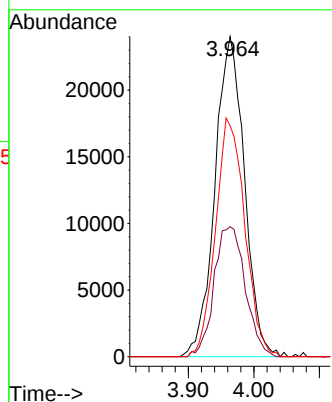
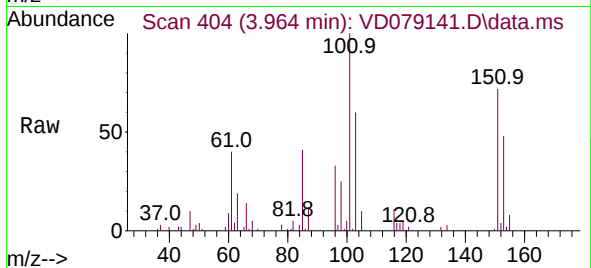




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 23.853 ug/L
RT: 3.964 min Scan# 400
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

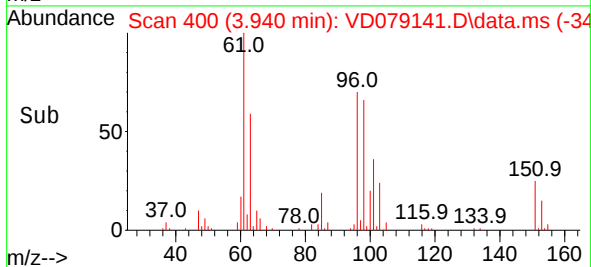
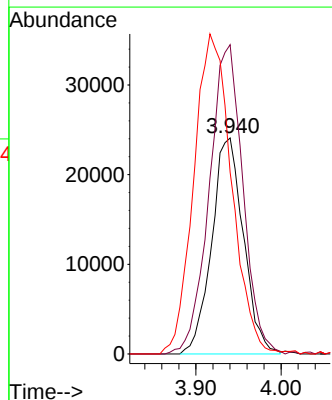
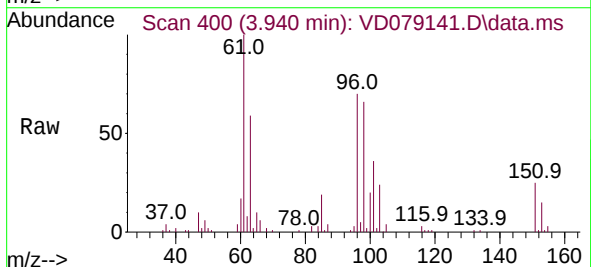
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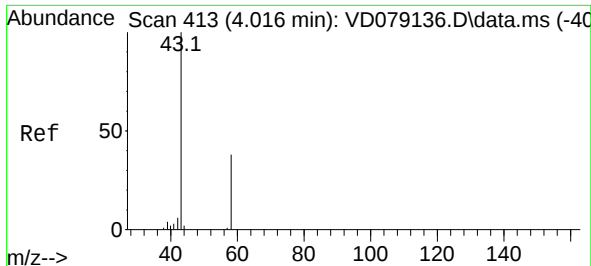
Tgt Ion:101 Resp: 74993
Ion Ratio Lower Upper
101 100
85 42.9 35.4 53.0
151 74.0 59.1 88.7



#12
1,1-Dichloroethene
Concen: 22.764 ug/L
RT: 3.940 min Scan# 400
Delta R.T. 0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Tgt Ion: 96 Resp: 62309
Ion Ratio Lower Upper
96 100
61 143.2 93.9 174.3
63 84.2 67.7 125.7





#13

Acetone

Concen: 55.064 ug/L

RT: 4.022 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

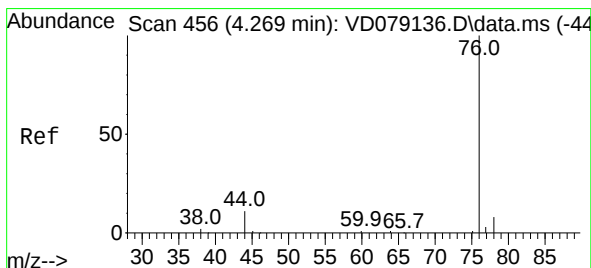
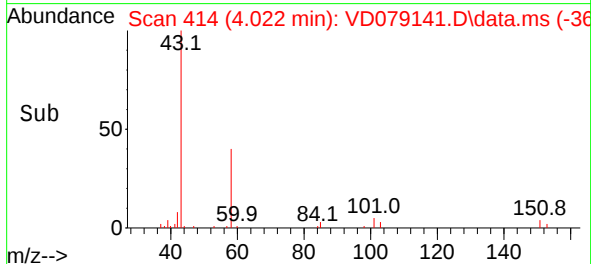
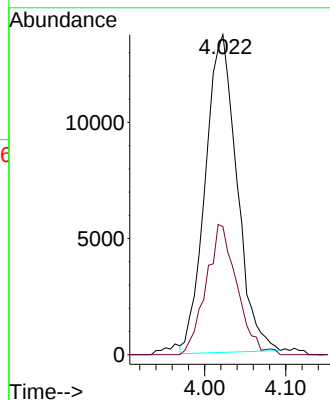
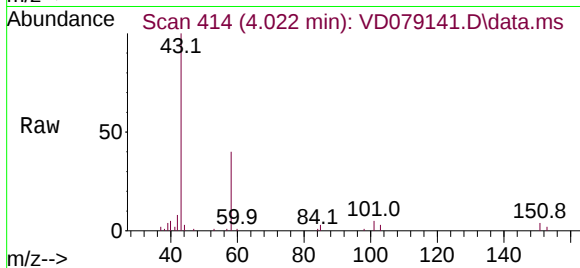
ClientSampleId :

Tgt Ion: 43 Resp: 37084

Ion Ratio Lower Upper

43 100

58 39.4 0.0 78.2



#14

Carbon disulfide

Concen: 23.011 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD079141.D

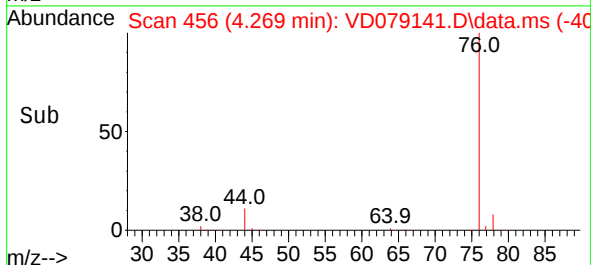
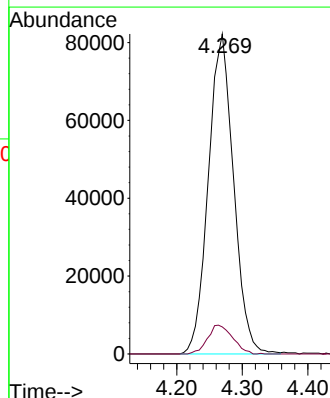
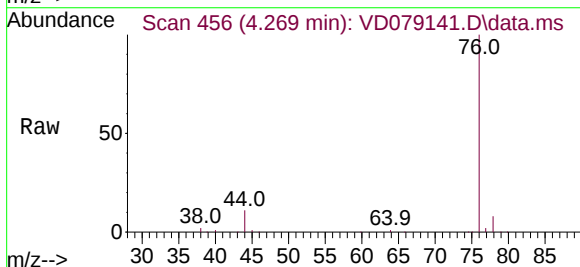
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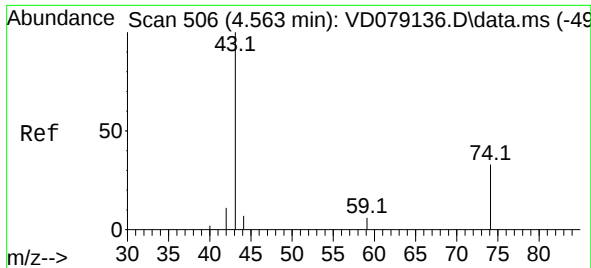
Tgt Ion: 76 Resp: 219718

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3

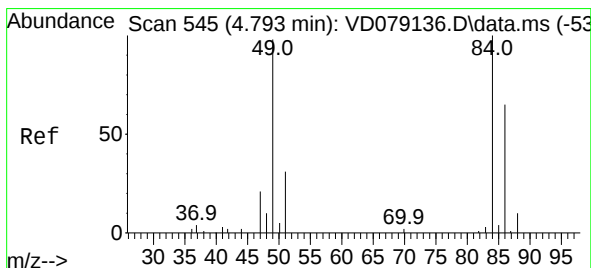
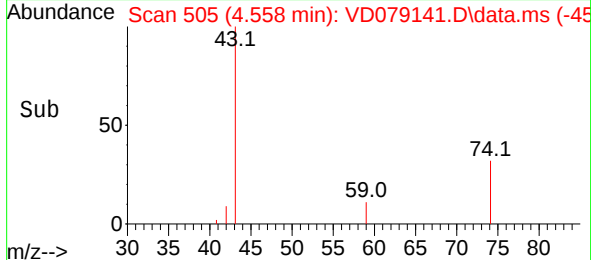
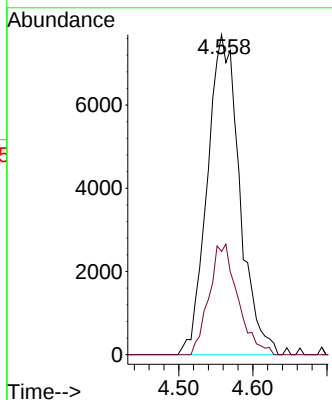
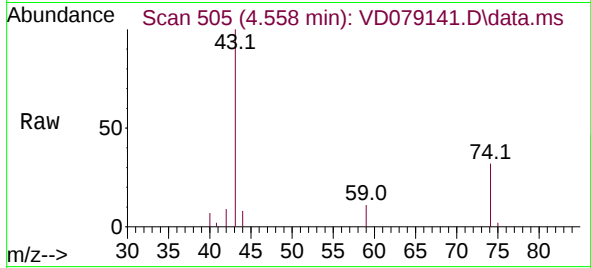




#15
Methyl Acetate
Concen: 25.346 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

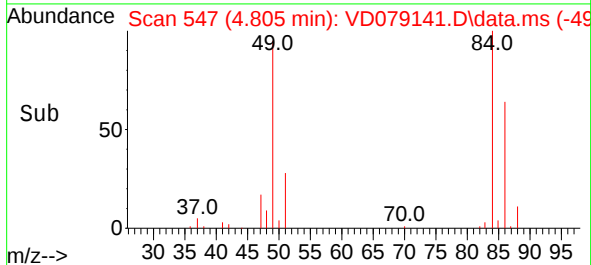
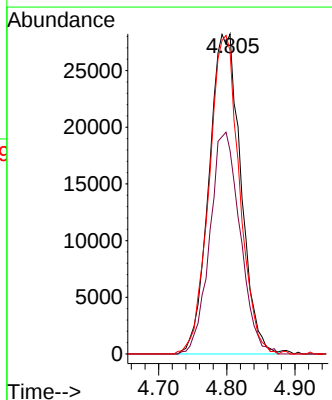
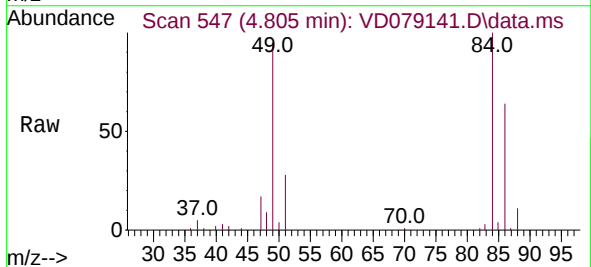
Instrument :
MSVOA_D
ClientSampleId :

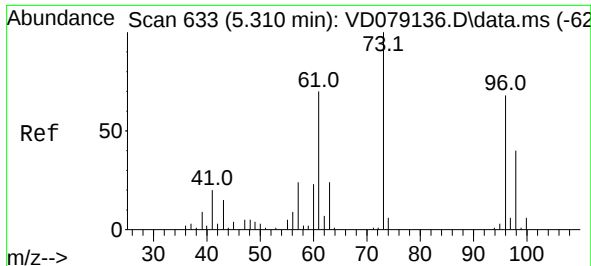
Tgt Ion: 43 Resp: 23258
Ion Ratio Lower Upper
43 100
74 30.8 23.8 35.6



#16
Methylene chloride
Concen: 25.961 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.012 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

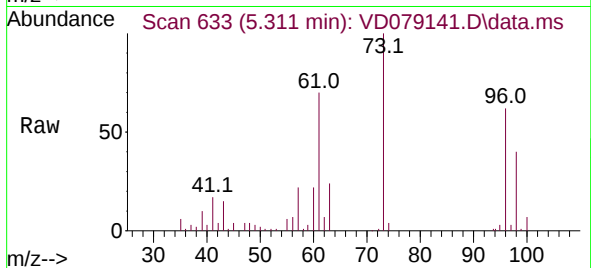
Tgt Ion: 84 Resp: 91425
Ion Ratio Lower Upper
84 100
86 63.6 40.9 76.0
49 94.8 67.5 125.3



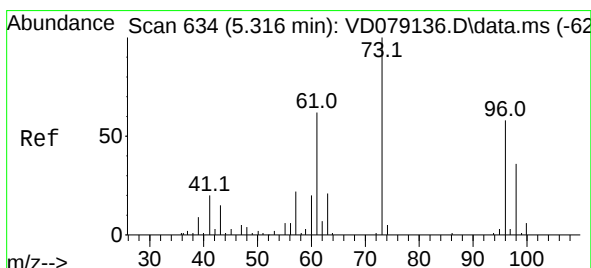
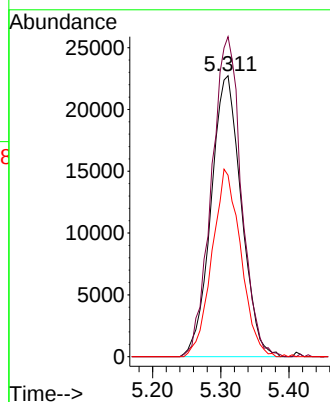
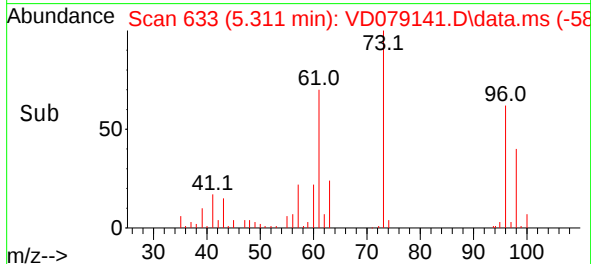


#17
trans-1,2-Dichloroethene
Concen: 23.766 ug/L
RT: 5.311 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Instrument :
MSVOA_D
ClientSampleId :

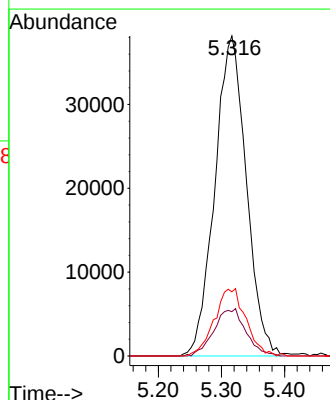
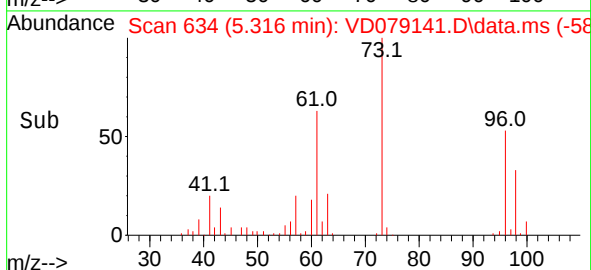
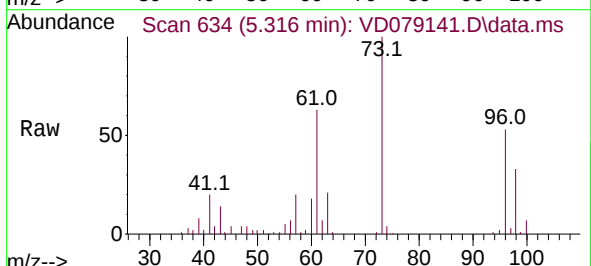


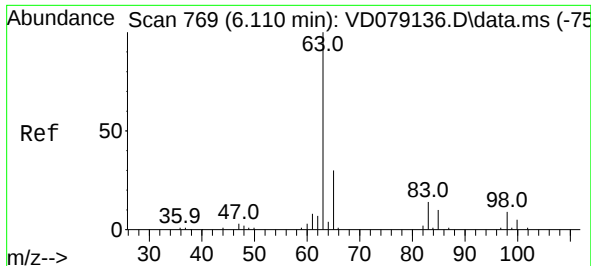
Tgt Ion: 96 Resp: 70300
Ion Ratio Lower Upper
96 100
61 113.9 71.9 133.5
98 64.6 42.6 79.2



#18
Methyl tert-butyl Ether
Concen: 25.202 ug/L
RT: 5.316 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Tgt Ion: 73 Resp: 132213
Ion Ratio Lower Upper
73 100
43 8.9 12.0 18.0#
57 12.5 9.6 14.4





#19

1,1-Dichloroethane

Concen: 23.874 ug/L

RT: 6.111 min Scan# 7

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

ClientSampleId :

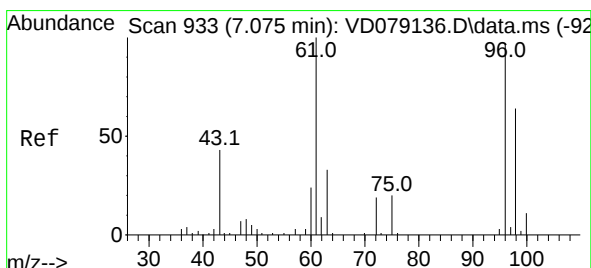
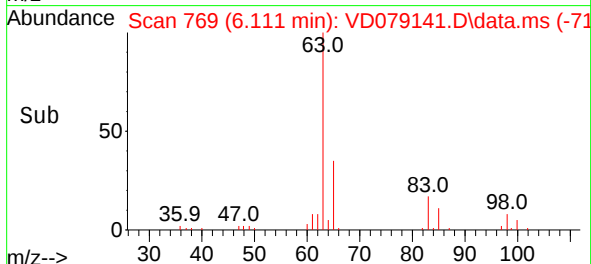
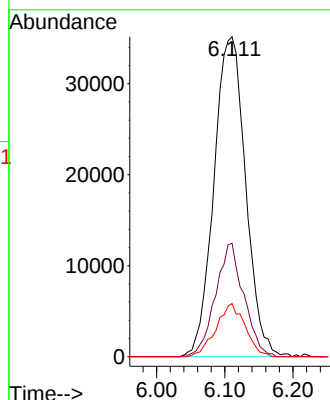
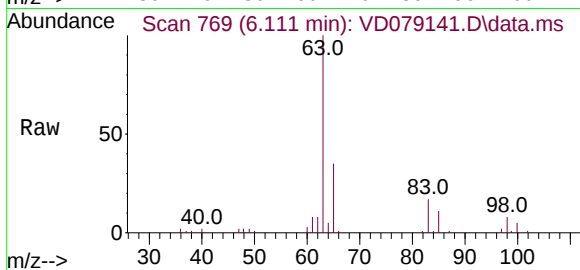
Tgt Ion: 63 Resp: 113698

Ion Ratio Lower Upper

63 100

65 35.4 22.8 42.4

83 16.6 8.6 16.0#



#20

cis-1,2-Dichloroethene

Concen: 25.268 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

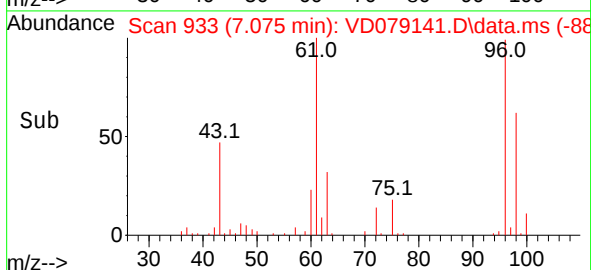
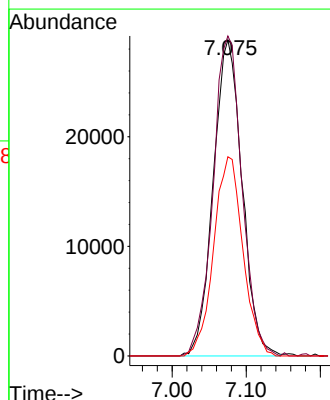
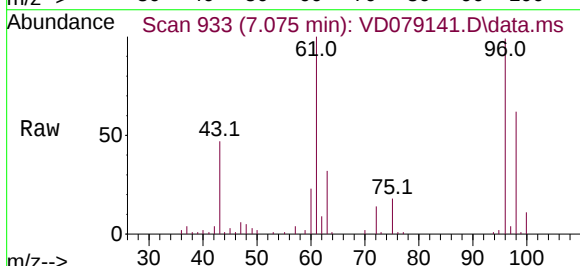
Tgt Ion: 96 Resp: 77825

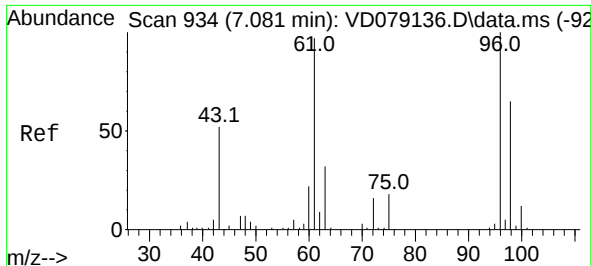
Ion Ratio Lower Upper

96 100

61 101.2 72.6 134.8

98 63.0 43.8 81.3

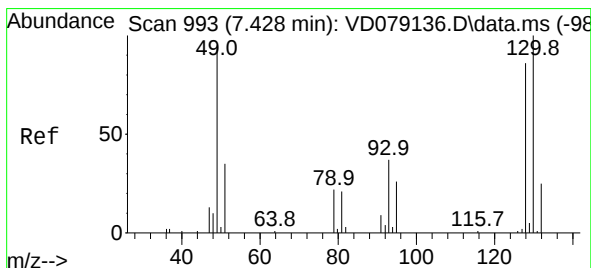
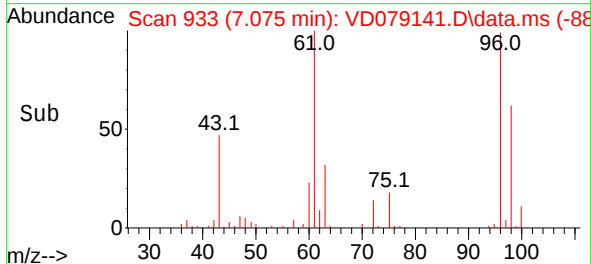
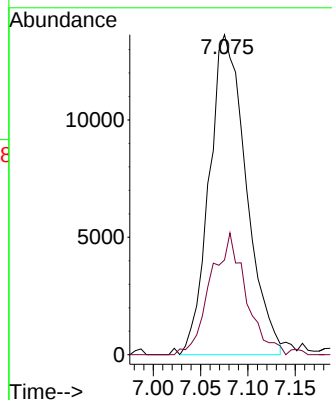
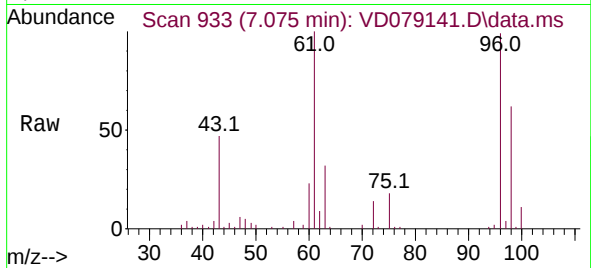




#22
2-Butanone
Concen: 52.357 ug/L
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

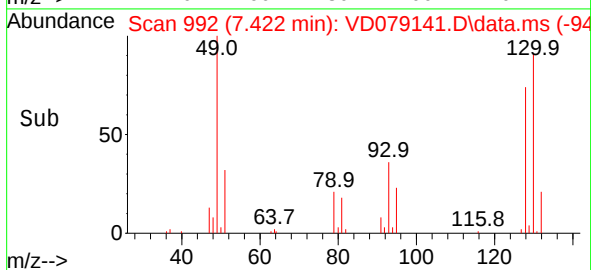
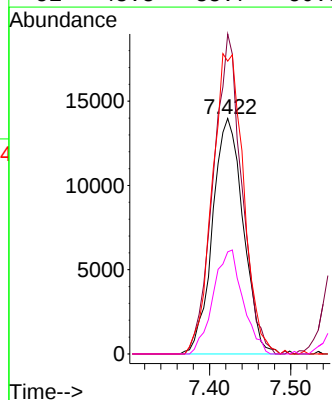
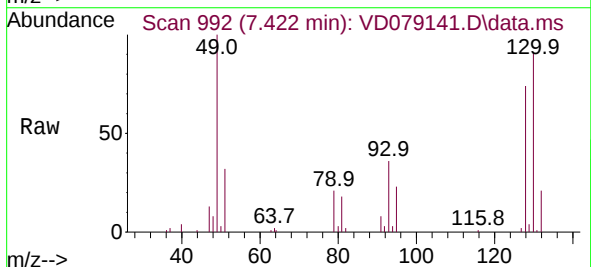
Instrument :
MSVOA_D
ClientSampleId :

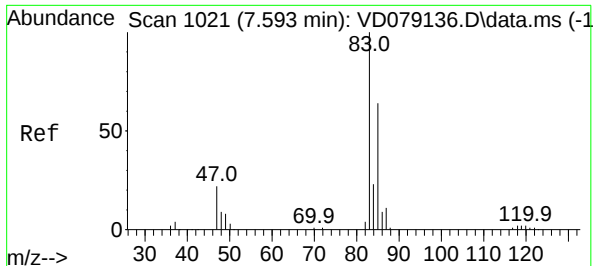
Tgt Ion: 43 Resp: 37042
Ion Ratio Lower Upper
43 100
72 22.3 19.3 57.8



#23
Bromochloromethane
Concen: 23.518 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Tgt Ion:128 Resp: 36725
Ion Ratio Lower Upper
128 100
49 135.9 81.8 151.8
130 124.3 90.4 167.8
51 43.3 33.7 50.5

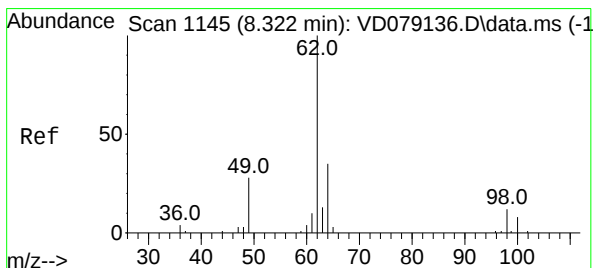
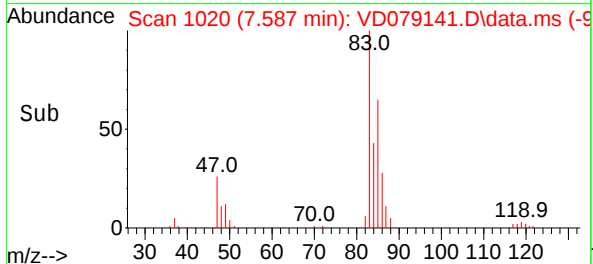
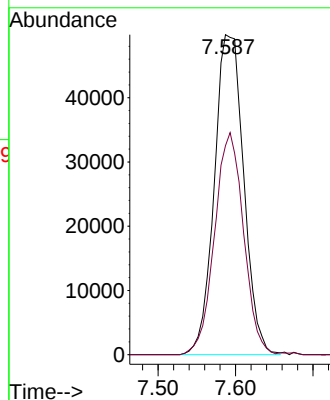
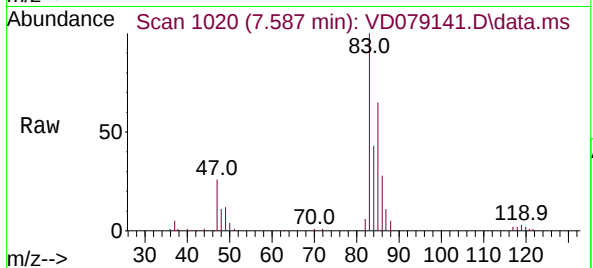




#25
Chloroform
Concen: 24.357 ug/L
RT: 7.587 min Scan# 1102
Delta R.T. -0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

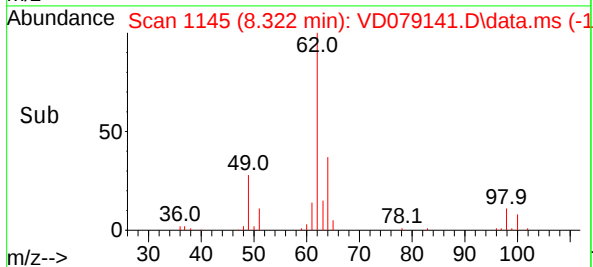
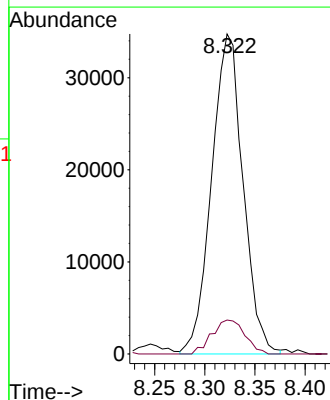
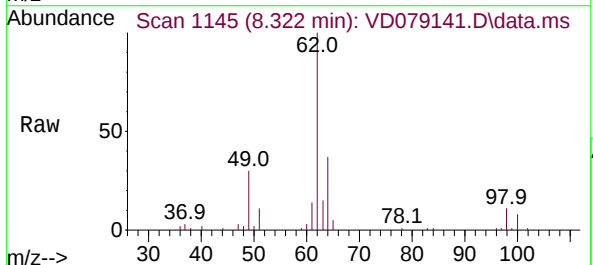
Instrument :
MSVOA_D
ClientSampleId :

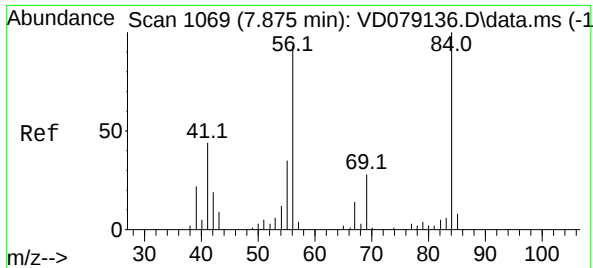
Tgt Ion: 83 Resp: 131699
Ion Ratio Lower Upper
83 100
85 65.3 47.9 89.1



#27
1,2-Dichloroethane
Concen: 24.130 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Tgt Ion: 62 Resp: 75740
Ion Ratio Lower Upper
62 100
98 10.6 8.2 12.4

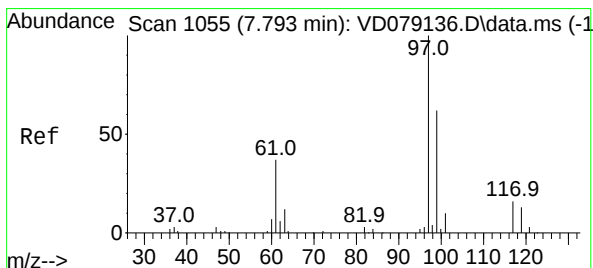
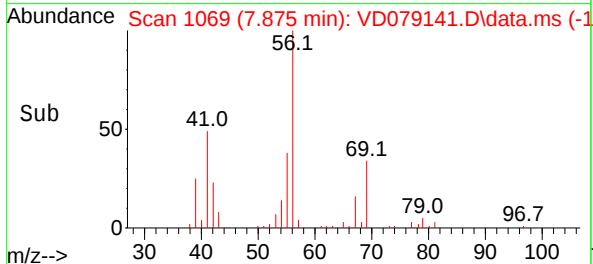
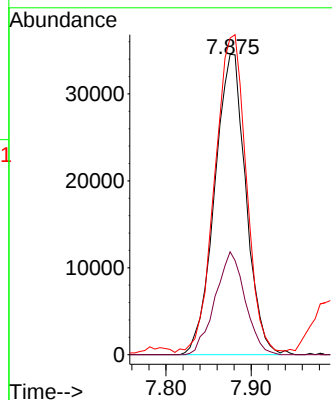
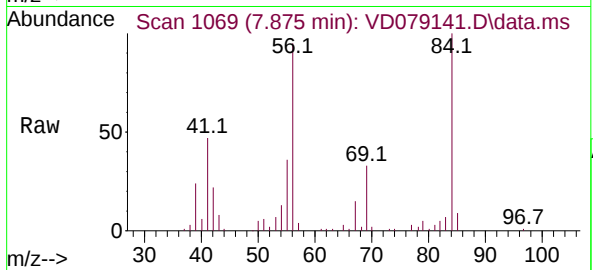




#29
Cyclohexane
Concen: 25.446 ug/L
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

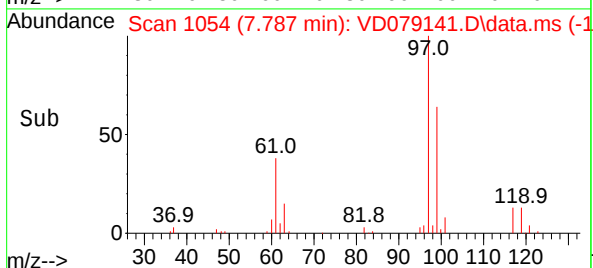
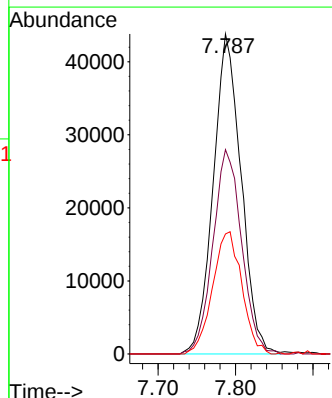
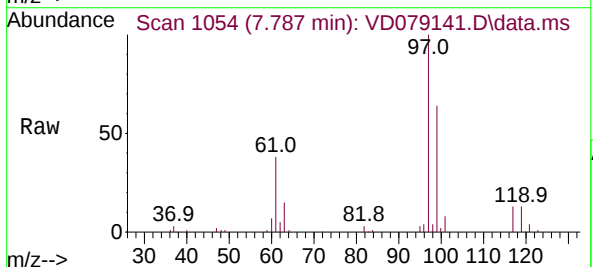
Instrument :
MSVOA_D
ClientSampleId :

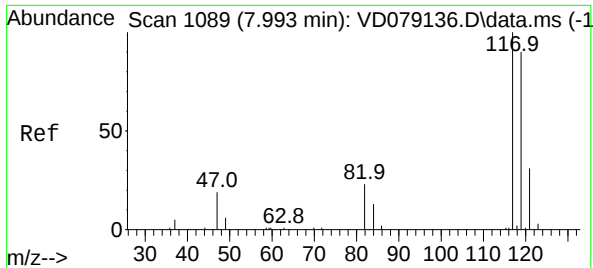
Tgt Ion:	56	Resp:	88004
Ion Ratio	Lower	Upper	
56	100		
69	32.8	26.6	40.0
84	108.2	87.5	131.3



#30
1,1,1-Trichloroethane
Concen: 24.102 ug/L
RT: 7.787 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

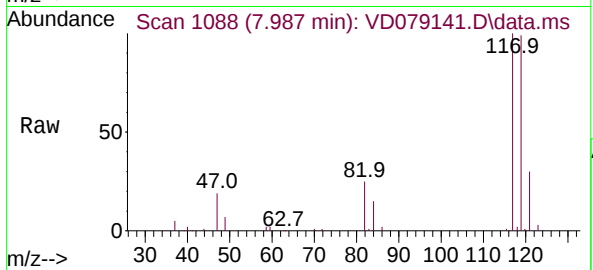
Tgt Ion:	97	Resp:	109377
Ion Ratio	Lower	Upper	
97	100		
99	65.7	52.3	78.5
61	40.1	31.7	47.5



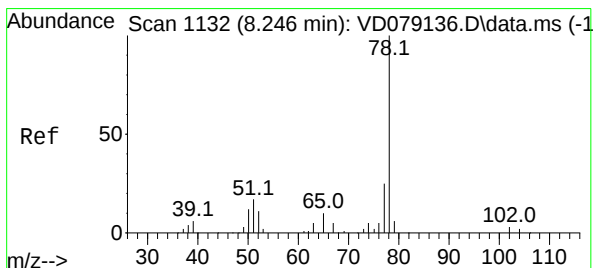
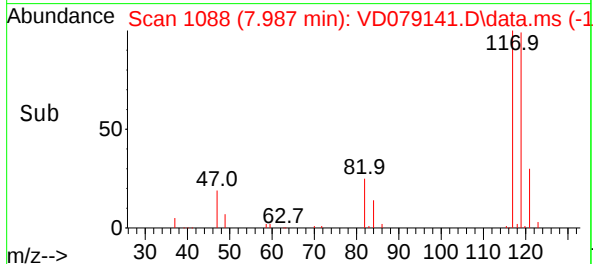
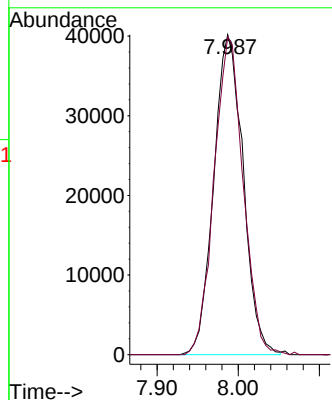


#31
Carbon tetrachloride
Concen: 23.951 ug/L
RT: 7.987 min Scan# 110
Delta R.T. -0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Instrument :
MSVOA_D
ClientSampleId :

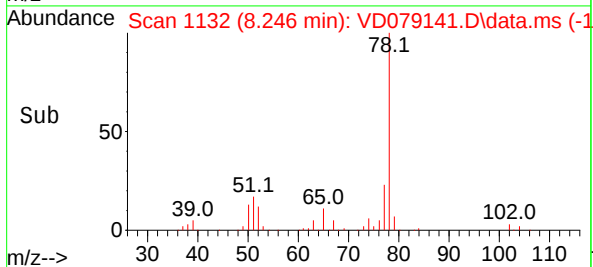
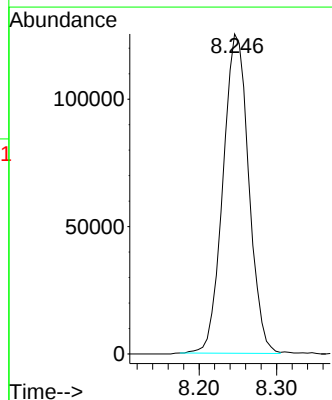
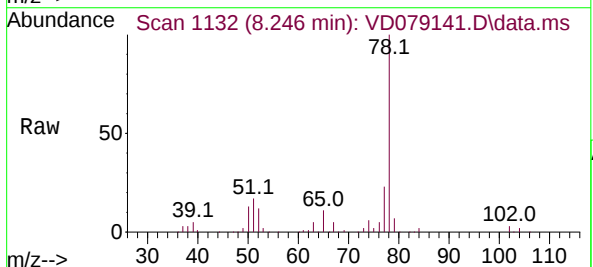


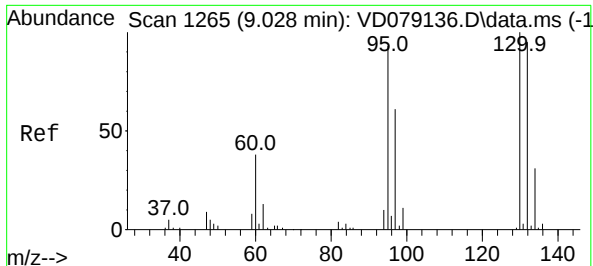
Tgt Ion:117 Resp: 101005
Ion Ratio Lower Upper
117 100
119 98.2 79.6 119.4



#33
Benzene
Concen: 25.380 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

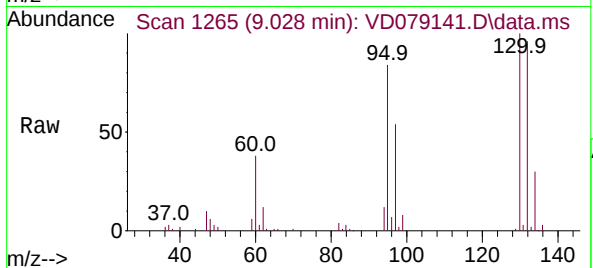
Tgt Ion: 78 Resp: 289751





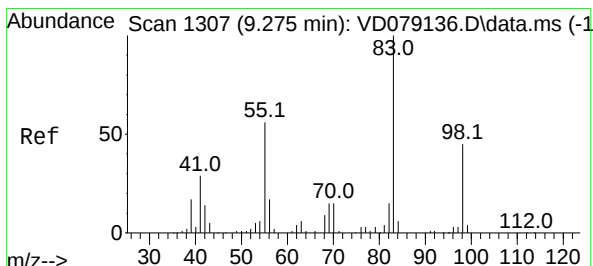
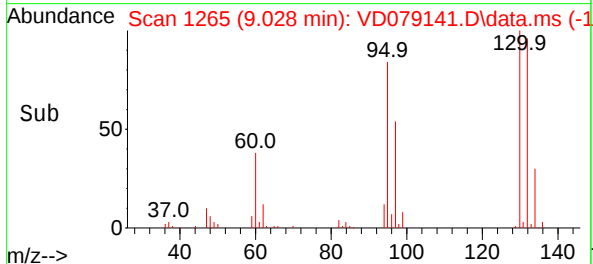
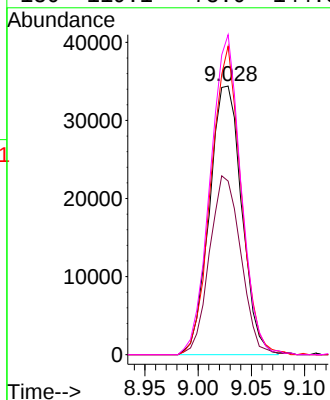
#34
Trichloroethene
Concen: 24.661 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 95 Resp: 72514

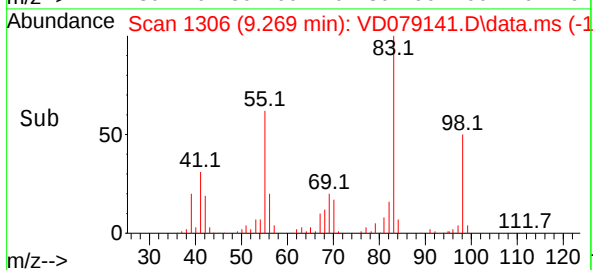
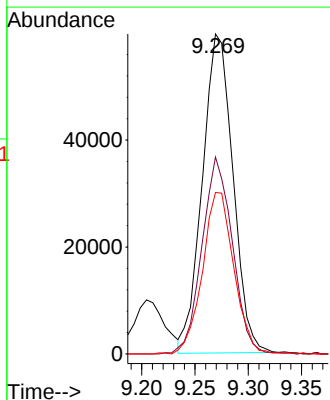
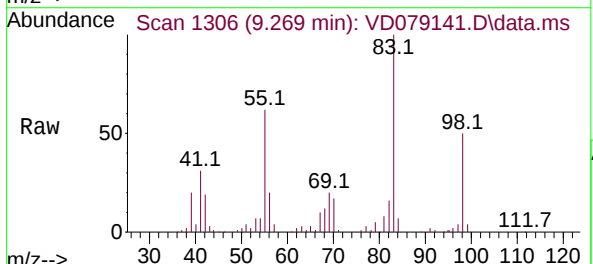
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.6	82.8
132	114.9	74.9	139.1
130	119.1	78.0	144.8

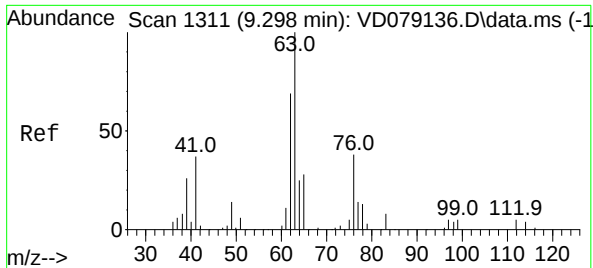


#35
Methylcyclohexane
Concen: 24.513 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Tgt Ion: 83 Resp: 119433

Ion	Ratio	Lower	Upper
83	100		
55	61.3	48.6	72.8
98	51.7	40.2	60.2

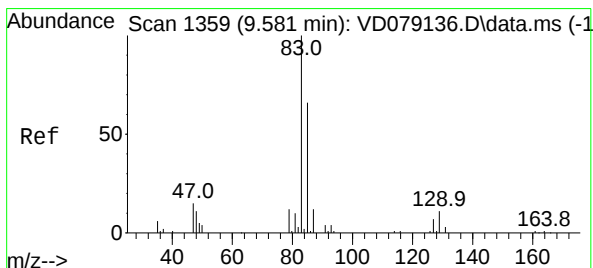
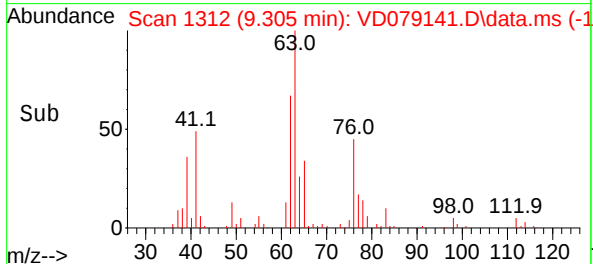
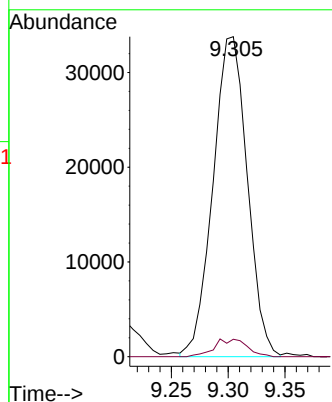
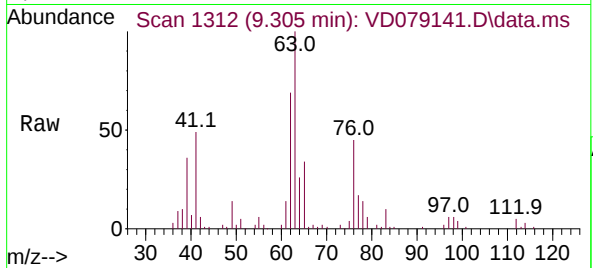




#37
1,2-Dichloropropane
Concen: 25.370 ug/L
RT: 9.305 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

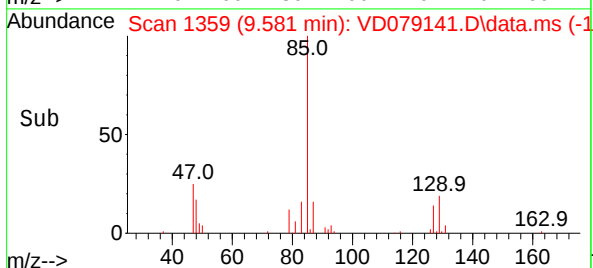
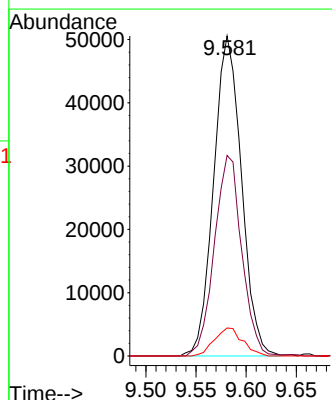
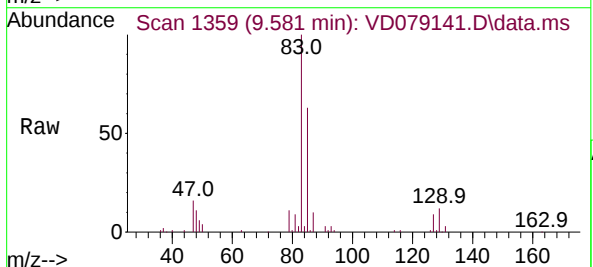
Instrument :
MSVOA_D
ClientSampleId :

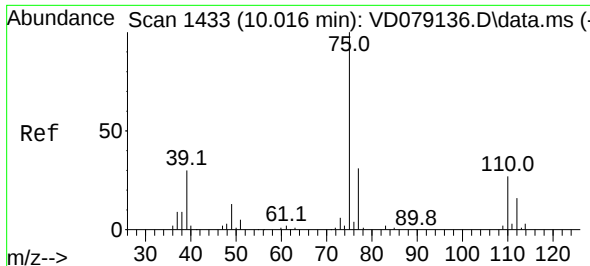
Tgt Ion: 63 Resp: 70944
Ion Ratio Lower Upper
63 100
112 2.8 3.9 5.9#



#38
Bromodichloromethane
Concen: 25.088 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Tgt Ion: 83 Resp: 97527
Ion Ratio Lower Upper
83 100
85 62.6 46.5 86.5
127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 25.587 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

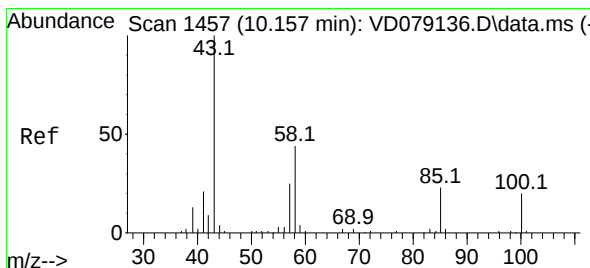
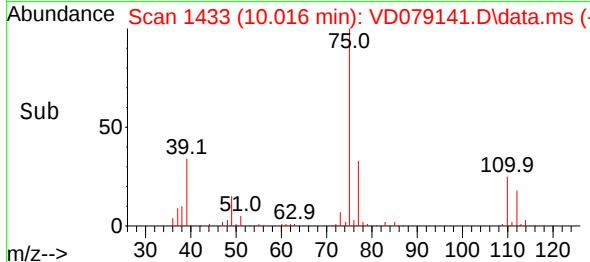
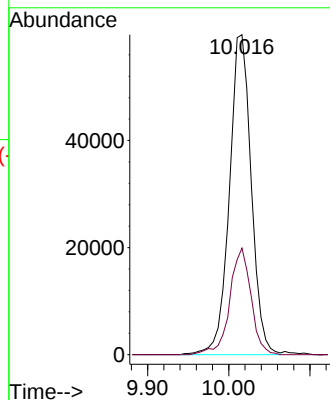
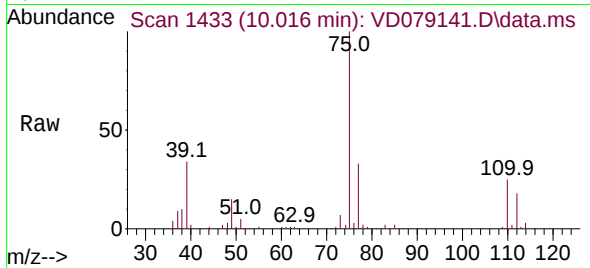
ClientSampleId :

Tgt Ion: 75 Resp: 111695

Ion Ratio Lower Upper

75 100

77 33.3 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 56.106 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

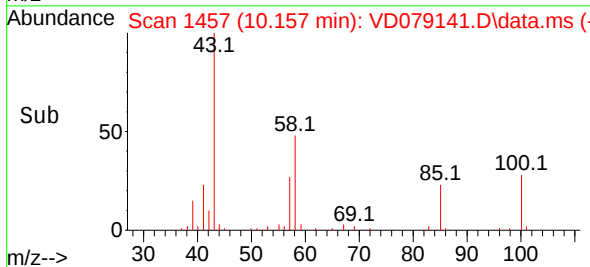
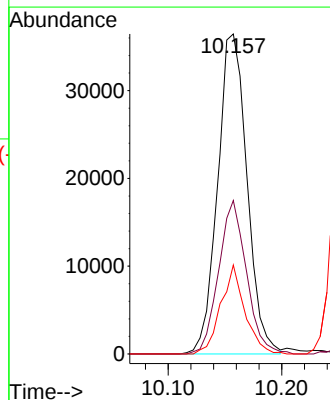
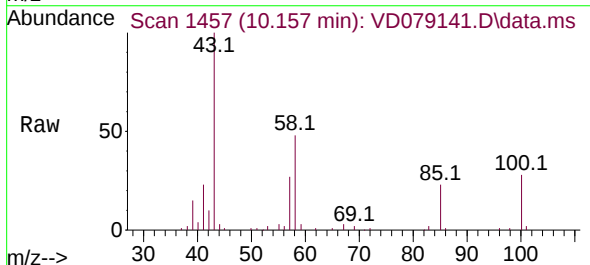
Tgt Ion: 43 Resp: 65494

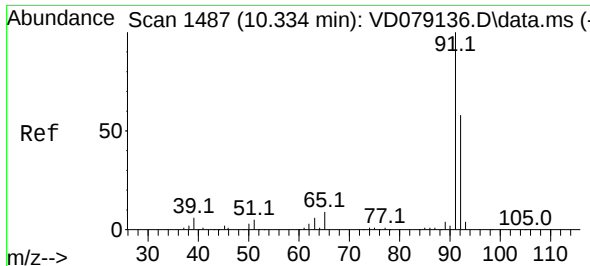
Ion Ratio Lower Upper

43 100

58 45.4 34.0 51.0

100 22.7 16.9 25.3





#42

Toluene

Concen: 25.819 ug/L

RT: 10.328 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

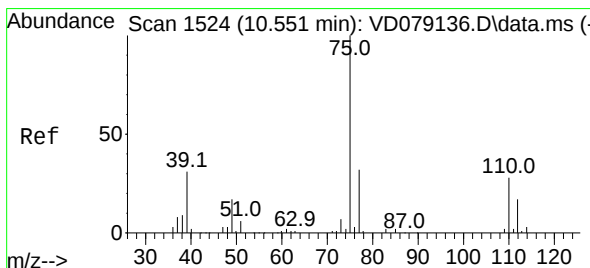
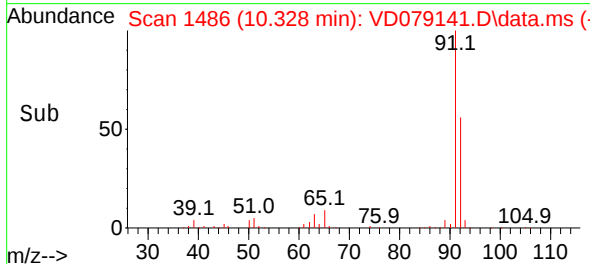
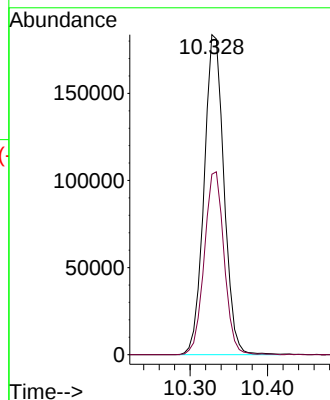
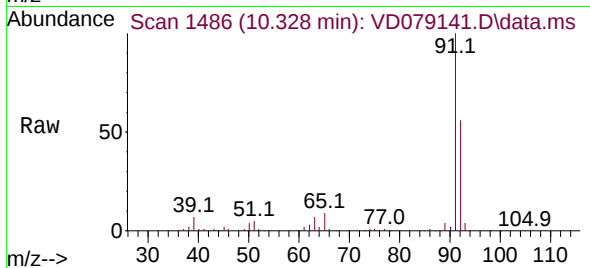
ClientSampleId :

Tgt Ion: 91 Resp: 327309

Ion Ratio Lower Upper

91 100

92 56.4 38.9 72.3



#44

trans-1,3-Dichloropropene

Concen: 26.443 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD079141.D

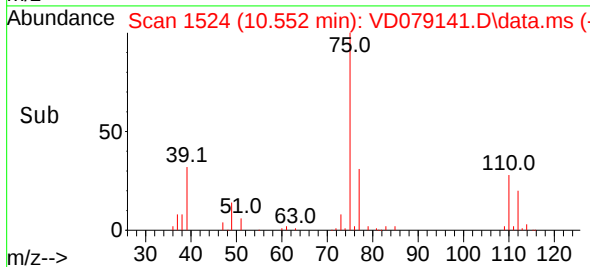
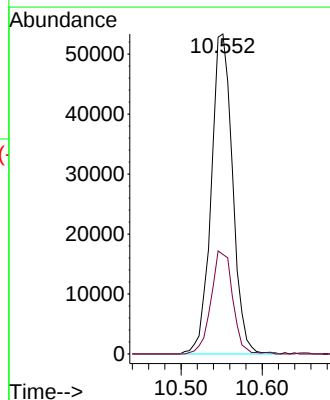
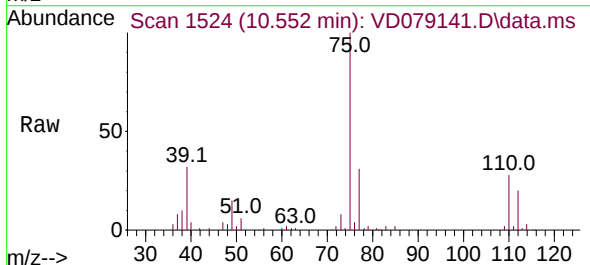
Acq: 04 Jun 2024 15:51

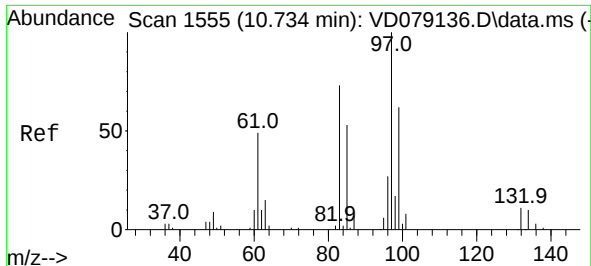
Tgt Ion: 75 Resp: 97611

Ion Ratio Lower Upper

75 100

77 31.1 24.3 45.1





#45

1,1,2-Trichloroethane

Concen: 25.018 ug/L

RT: 10.728 min Scan# 1554

Delta R.T. -0.006 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 61375

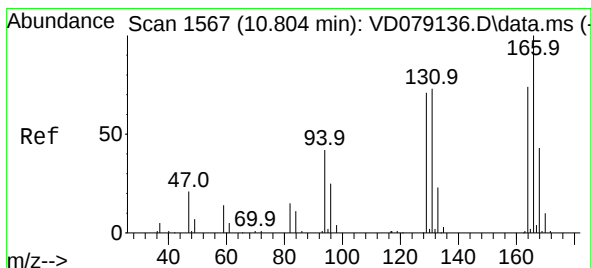
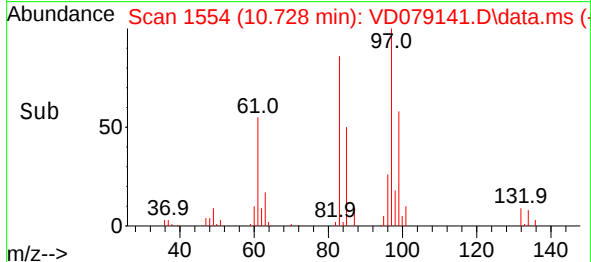
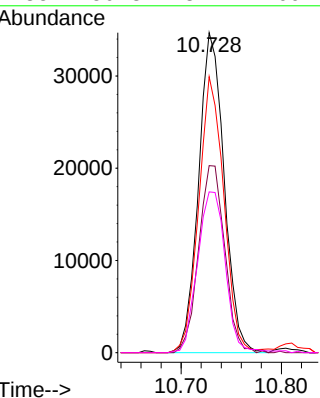
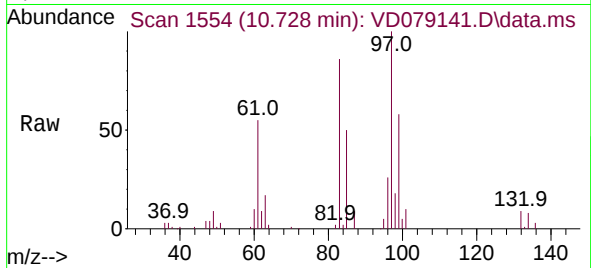
Ion Ratio Lower Upper

97 100

99 58.5 43.0 79.8

83 86.2 58.9 109.5

85 50.3 37.2 69.2



#46

Tetrachloroethene

Concen: 24.257 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Tgt Ion:164 Resp: 62804

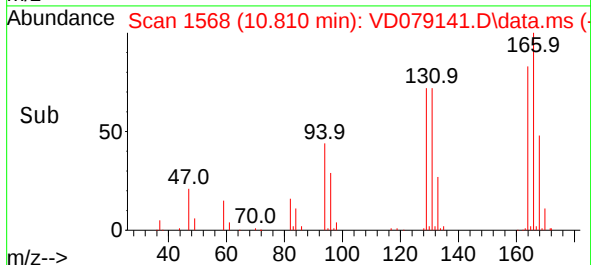
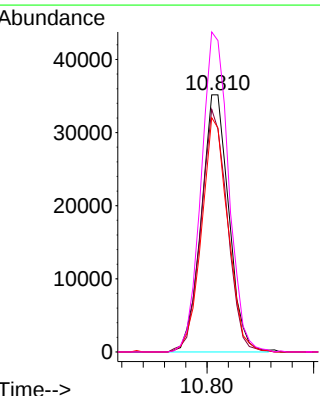
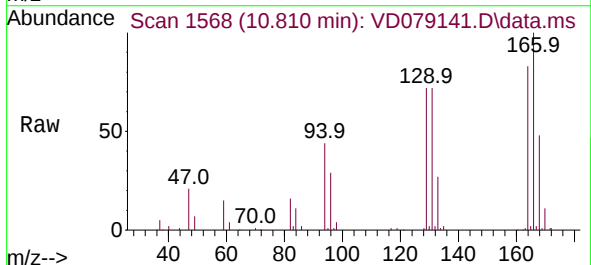
Ion Ratio Lower Upper

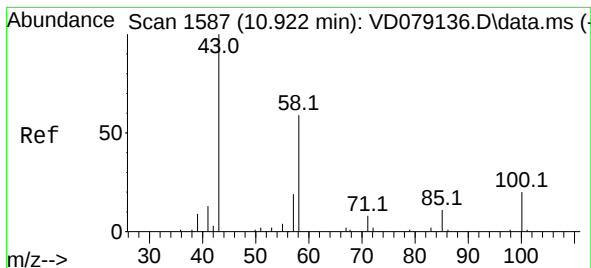
164 100

129 86.6 64.3 119.5

131 87.1 61.2 113.8

166 121.1 90.0 167.2





#48

2-Hexanone

Concen: 58.688 ug/L

RT: 10.916 min Scan# 1586

Delta R.T. -0.006 min

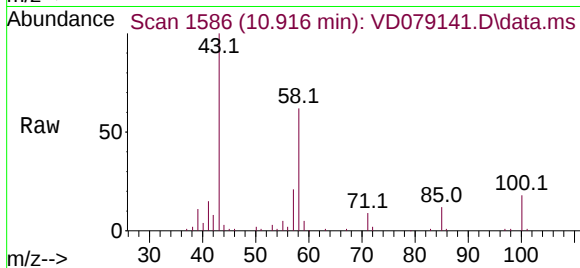
Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 59282

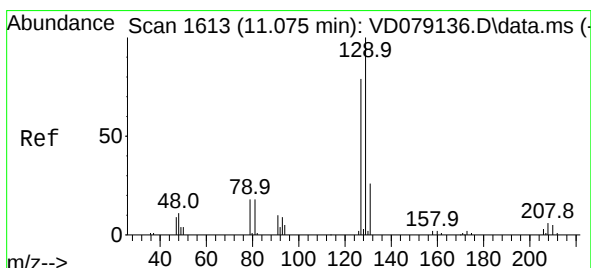
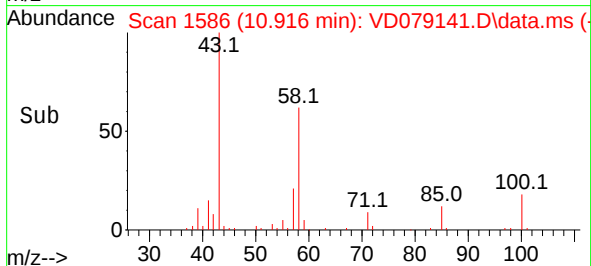
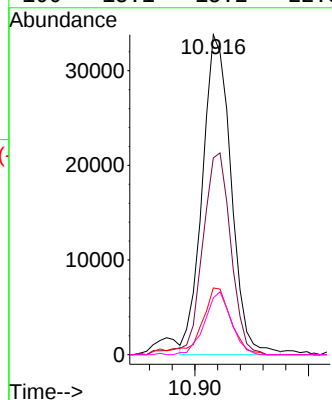
Ion Ratio Lower Upper

43 100

58 61.8 50.1 75.1

57 20.9 16.5 24.7

100 18.1 15.2 22.8



#49

Dibromochloromethane

Concen: 24.025 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD079141.D

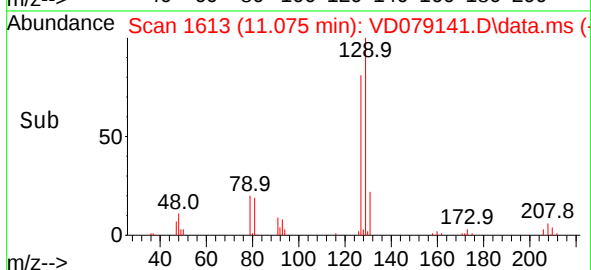
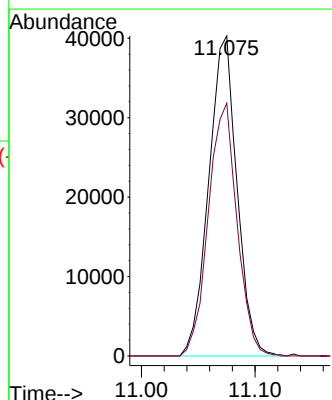
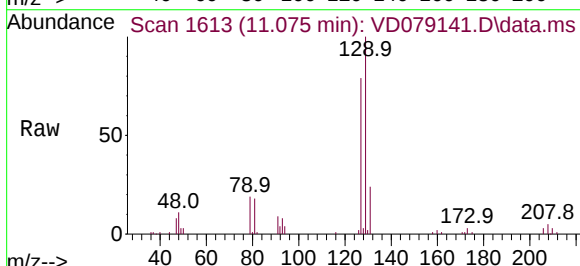
Acq: 04 Jun 2024 15:51

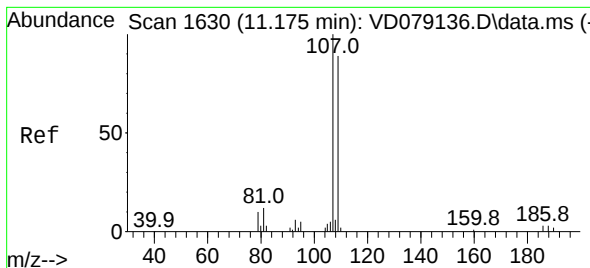
Tgt Ion:129 Resp: 69795

Ion Ratio Lower Upper

129 100

127 79.0 56.4 104.7





#50

1,2-Dibromoethane

Concen: 25.680 ug/L

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

ClientSampleId :

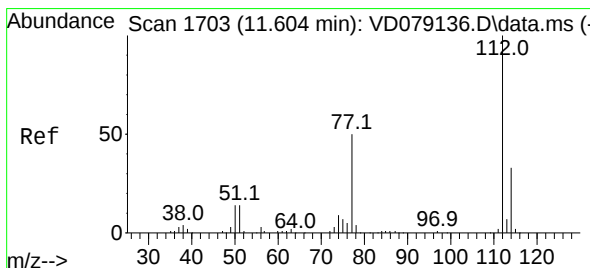
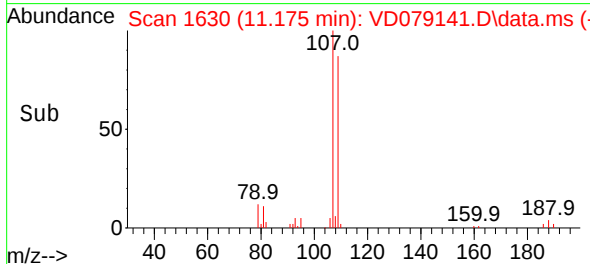
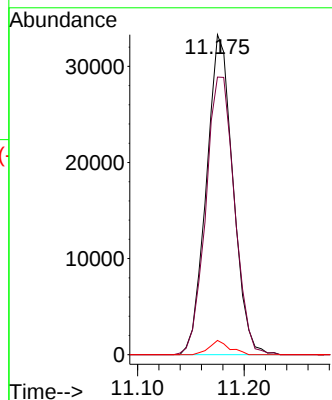
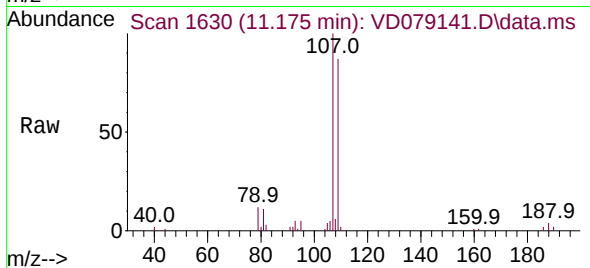
Tgt Ion:107 Resp: 57898

Ion Ratio Lower Upper

107 100

109 86.7 64.5 119.7

188 4.5 2.6 3.8#



#51

Chlorobenzene

Concen: 24.267 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

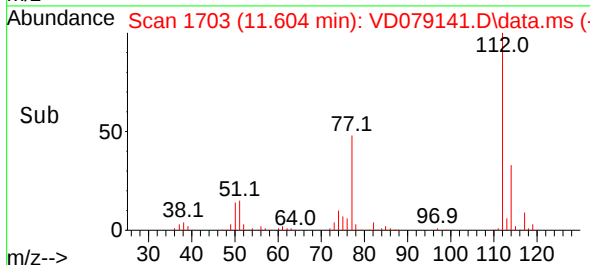
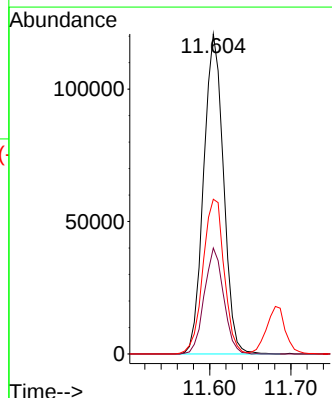
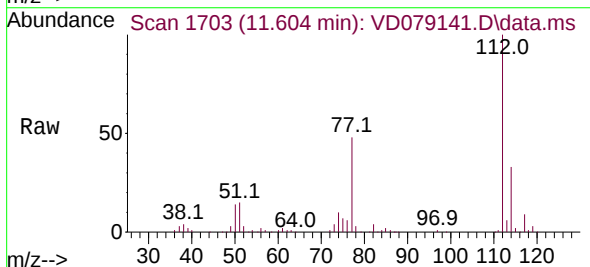
Tgt Ion:112 Resp: 204693

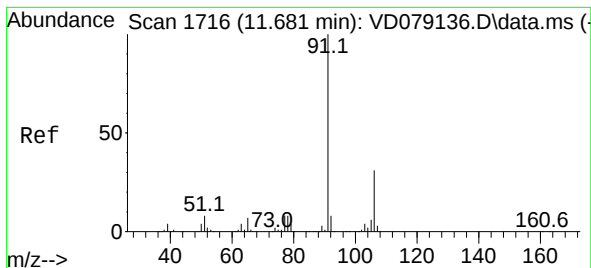
Ion Ratio Lower Upper

112 100

114 33.1 22.7 42.3

77 48.4 38.4 57.6





#52

Ethylbenzene

Concen: 25.554 ug/L

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

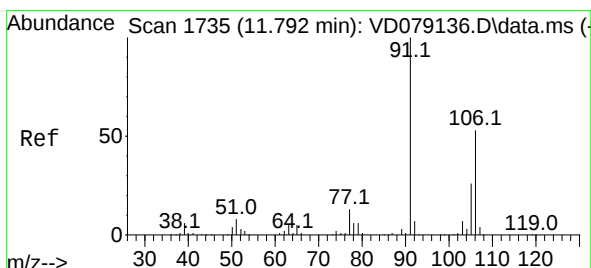
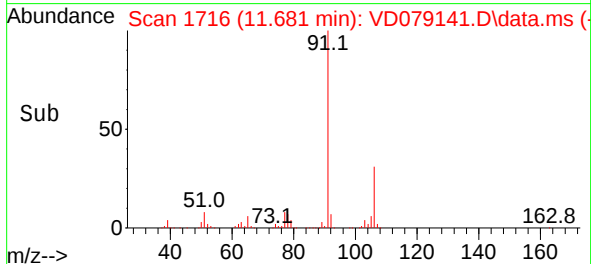
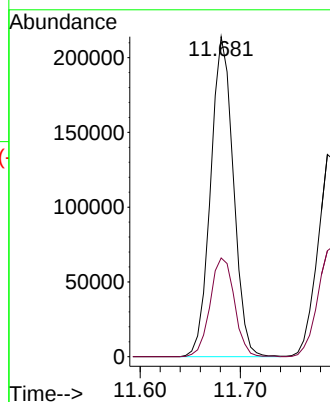
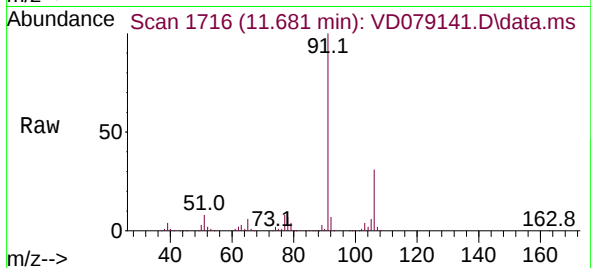
ClientSampleId :

Tgt Ion: 91 Resp: 337912

Ion Ratio Lower Upper

91 100

106 30.9 22.3 41.5



#53

m,p-Xylene

Concen: 26.467 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD079141.D

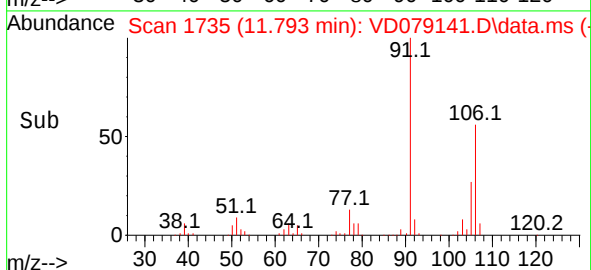
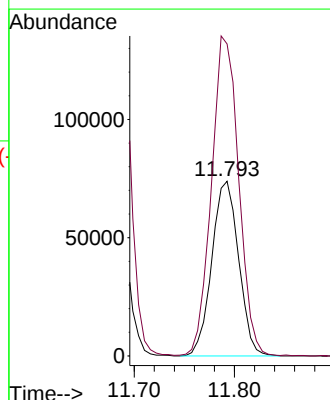
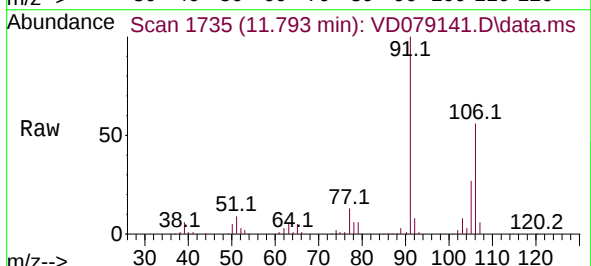
Acq: 04 Jun 2024 15:51

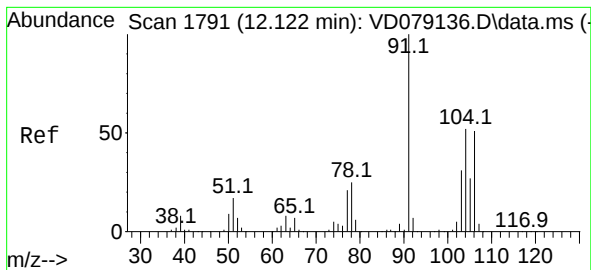
Tgt Ion:106 Resp: 137311

Ion Ratio Lower Upper

106 100

91 178.6 133.1 247.1





#54

o-Xylene

Concen: 25.636 ug/L

RT: 12.116 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

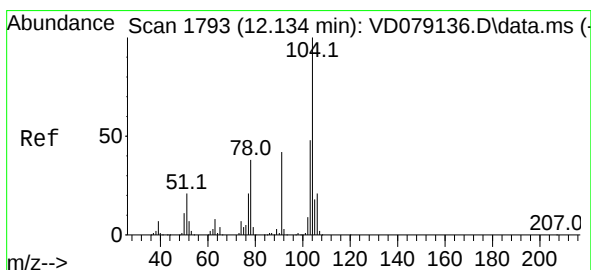
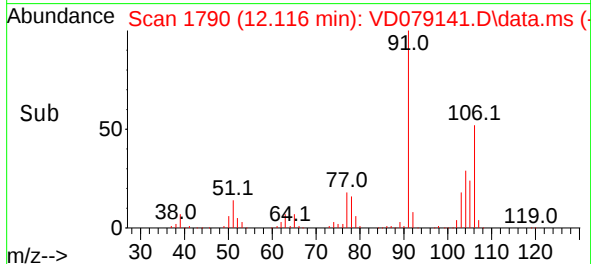
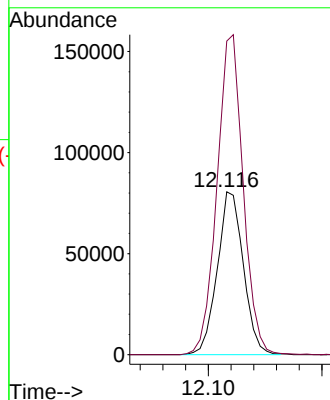
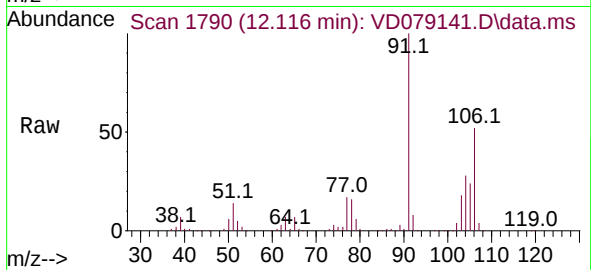
ClientSampleId :

Tgt Ion:106 Resp: 128499

Ion Ratio Lower Upper

106 100

91 192.5 132.9 246.9



#55

Styrene

Concen: 26.517 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD079141.D

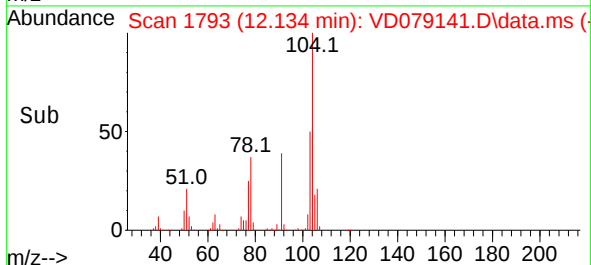
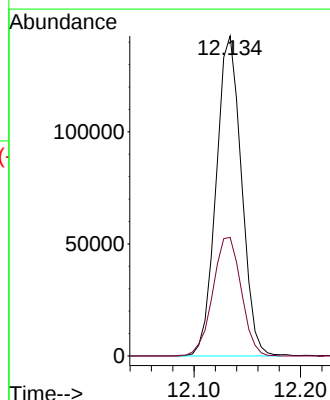
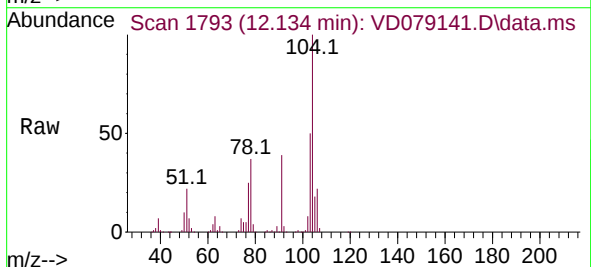
Acq: 04 Jun 2024 15:51

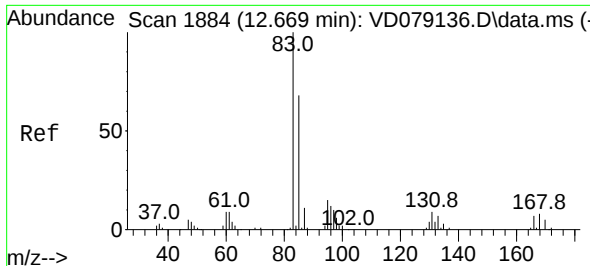
Tgt Ion:104 Resp: 235667

Ion Ratio Lower Upper

104 100

78 37.1 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 26.237 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

ClientSampleId :

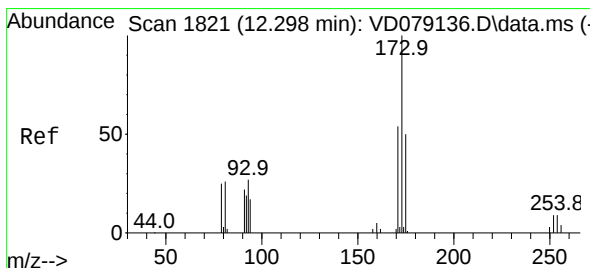
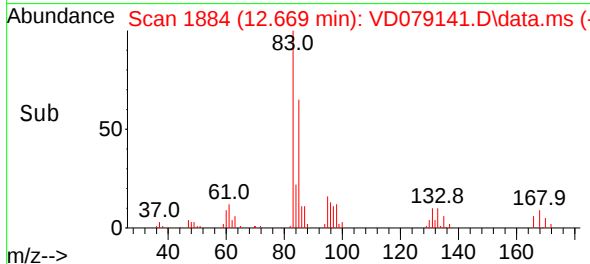
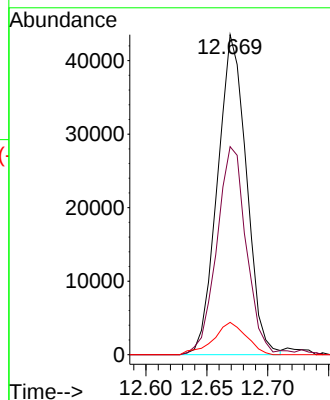
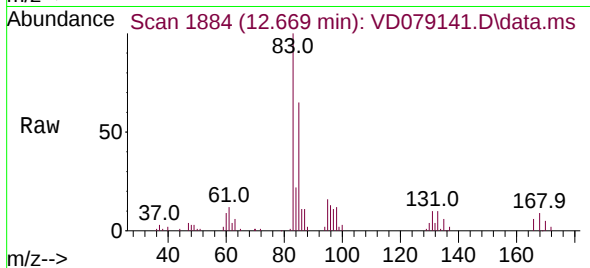
Tgt Ion: 83 Resp: 72051

Ion Ratio Lower Upper

83 100

85 65.0 47.5 88.1

131 10.1 8.6 13.0



#59

Bromoform

Concen: 23.849 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

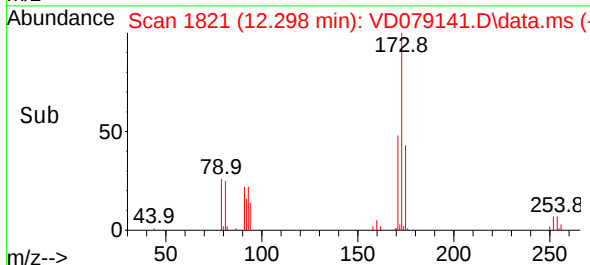
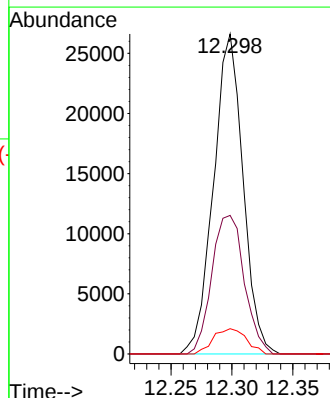
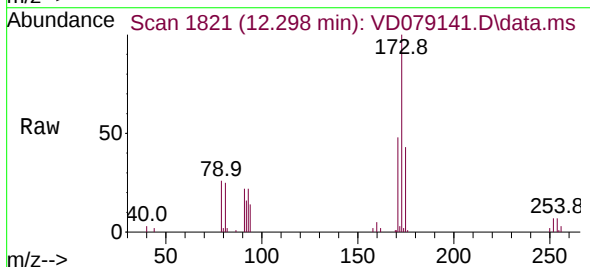
Tgt Ion:173 Resp: 44842

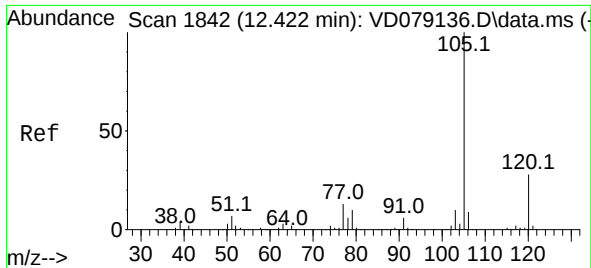
Ion Ratio Lower Upper

173 100

175 47.7 38.2 57.4

254 8.9 7.0 10.6

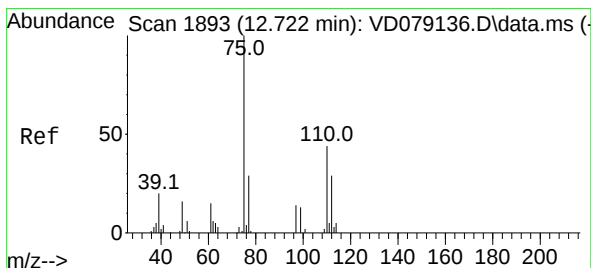
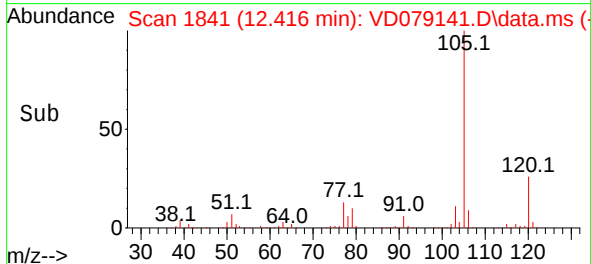
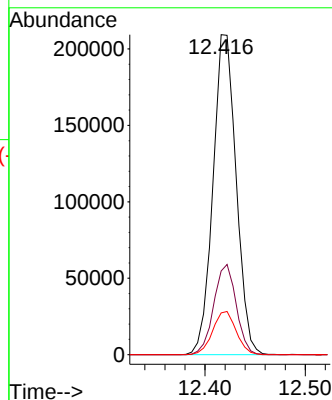
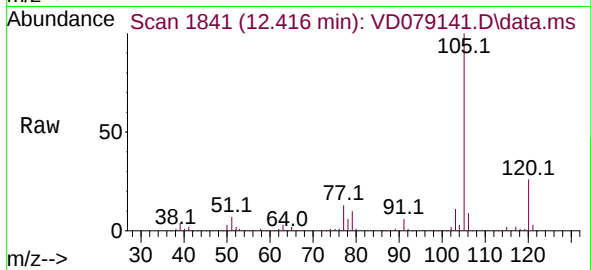




#60
Isopropylbenzene
Concen: 24.796 ug/L
RT: 12.416 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

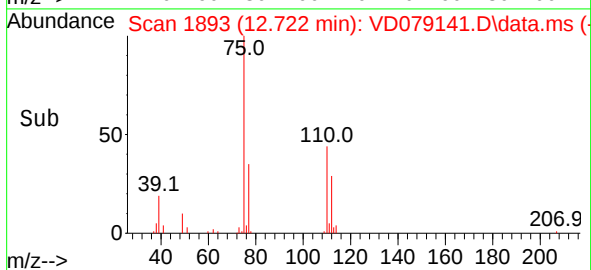
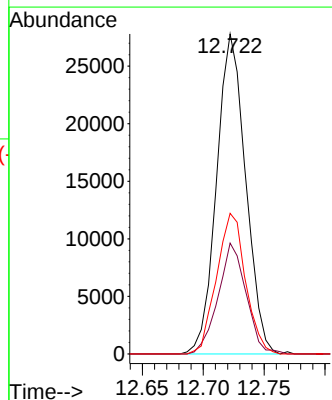
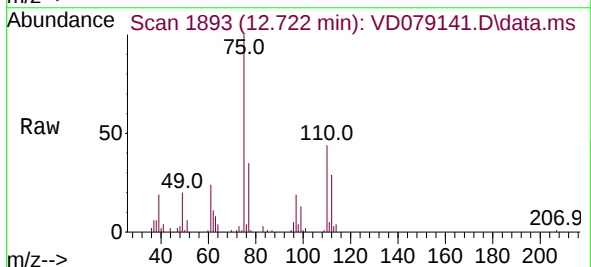
Instrument :
MSVOA_D
ClientSampleId :

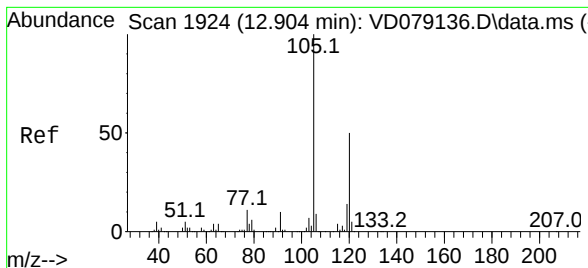
Tgt Ion:105 Resp: 336356
Ion Ratio Lower Upper
105 100
120 27.3 21.9 32.9
77 13.7 10.9 16.3



#61
1,2,3-Trichloropropane
Concen: 25.416 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Tgt Ion: 75 Resp: 46034
Ion Ratio Lower Upper
75 100
77 33.3 25.9 38.9
110 43.9 34.2 51.4

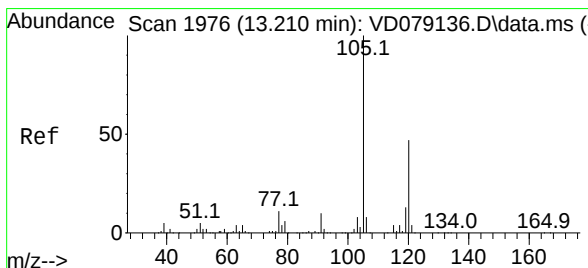
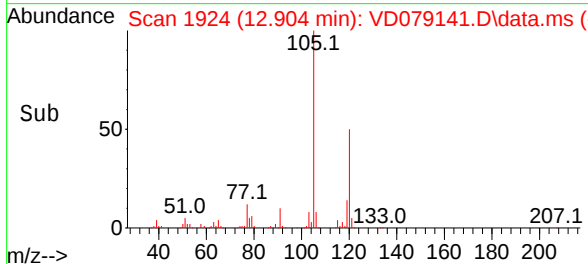
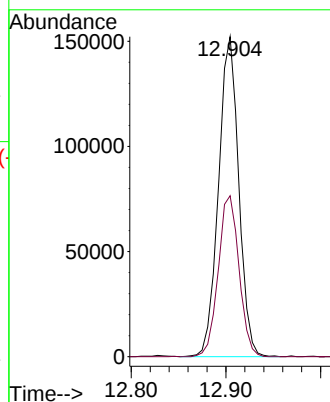
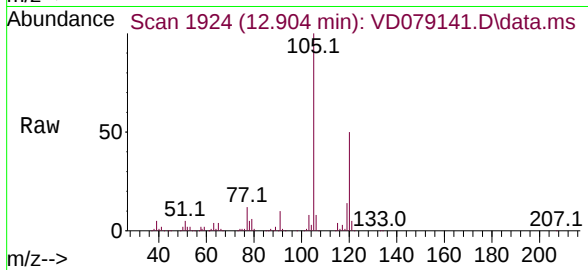




#62
1,3,5-Trimethylbenzene
Concen: 24.371 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

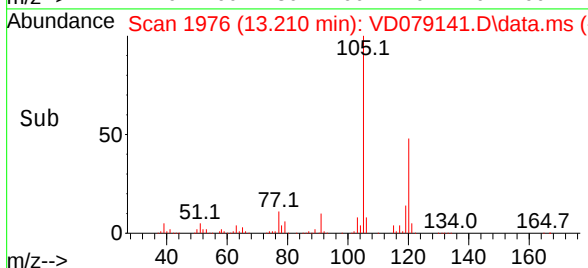
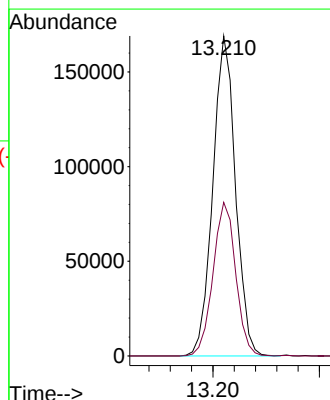
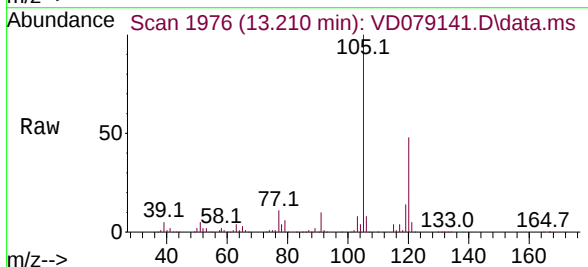
Instrument :
MSVOA_D
ClientSampleId :

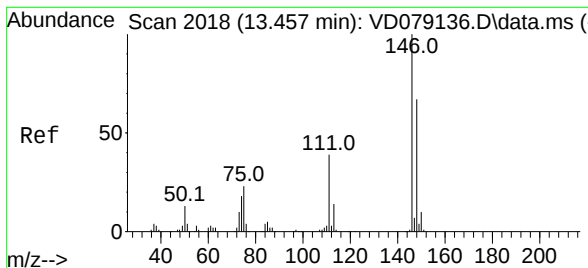
Tgt Ion:105 Resp: 226039
Ion Ratio Lower Upper
105 100
120 51.6 40.7 61.1



#63
1,2,4-Trimethylbenzene
Concen: 25.102 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Tgt Ion:105 Resp: 249013
Ion Ratio Lower Upper
105 100
120 48.0 38.0 57.0





#64

1,3-Dichlorobenzene

Concen: 23.628 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

ClientSampleId :

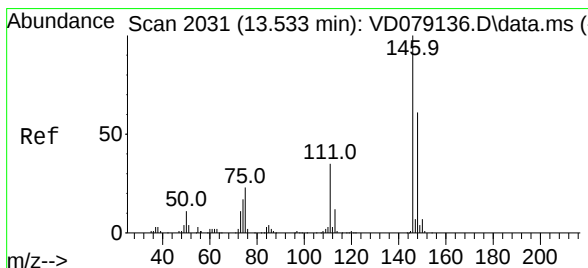
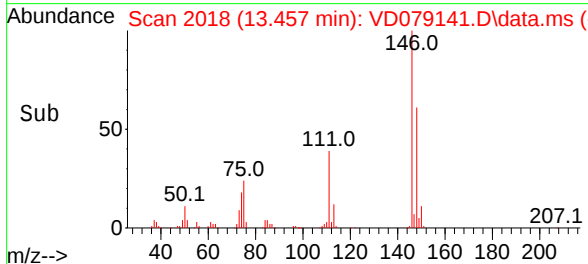
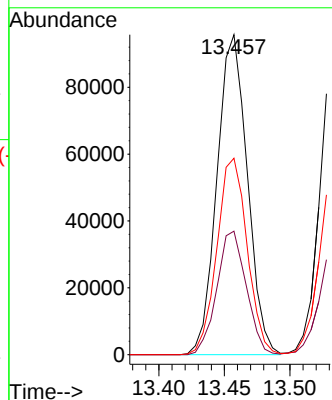
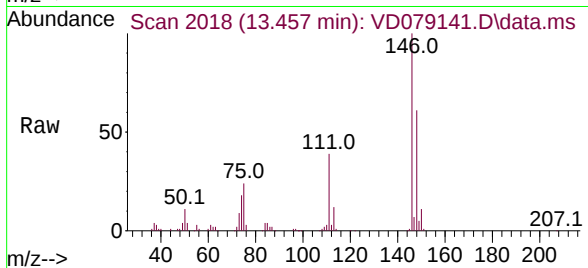
Tgt Ion:146 Resp: 153974

Ion Ratio Lower Upper

146 100

111 38.6 24.4 45.4

148 61.4 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 23.917 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

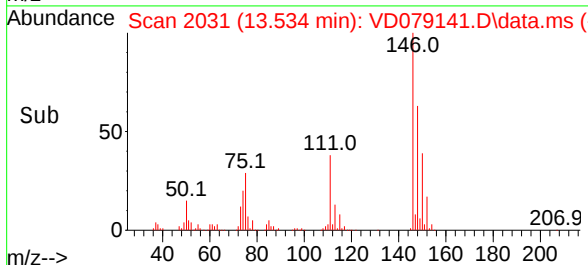
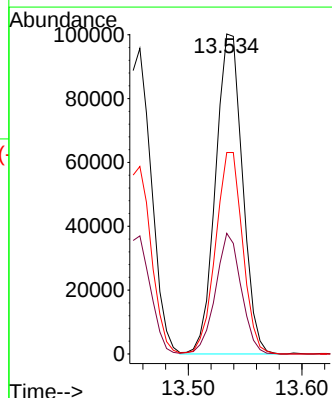
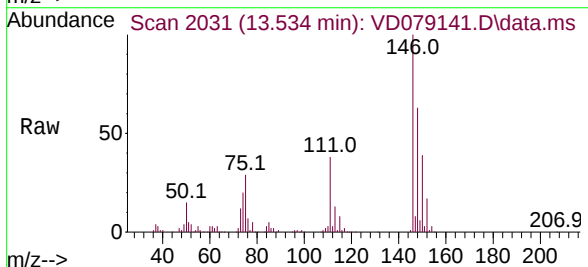
Tgt Ion:146 Resp: 165145

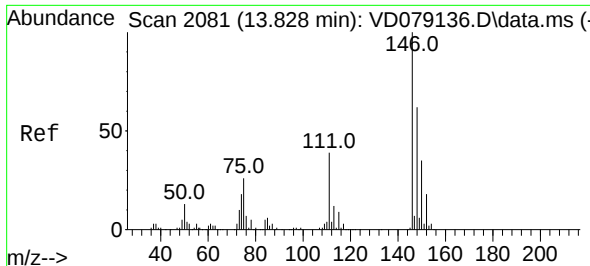
Ion Ratio Lower Upper

146 100

111 37.7 26.3 48.9

148 62.9 43.1 80.1





#67

1,2-Dichlorobenzene

Concen: 23.851 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

Instrument :

MSVOA_D

ClientSampleId :

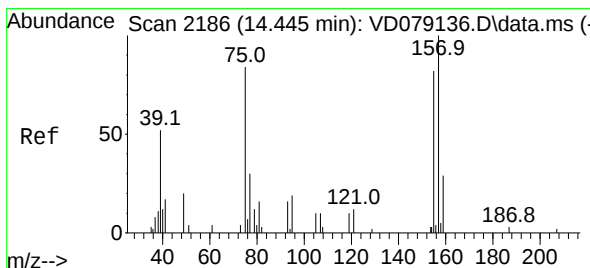
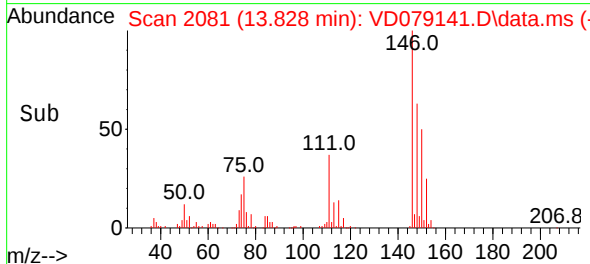
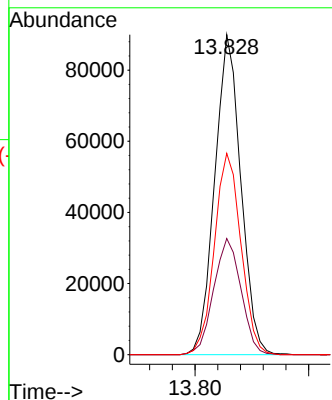
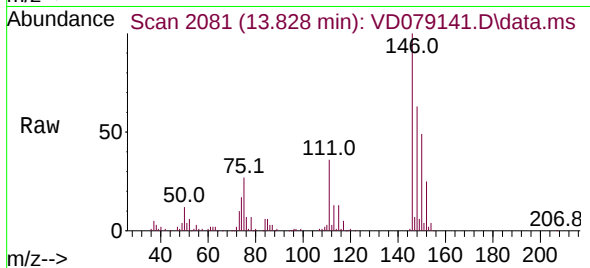
Tgt Ion:146 Resp: 143683

Ion Ratio Lower Upper

146 100

111 36.3 29.1 43.7

148 62.9 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 25.399 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD079141.D

Acq: 04 Jun 2024 15:51

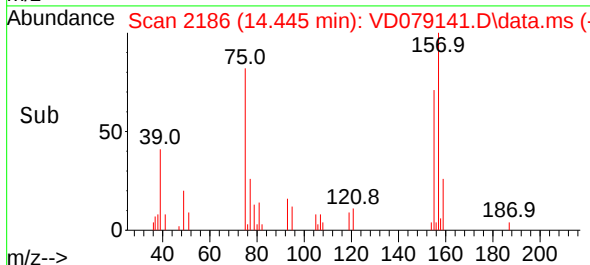
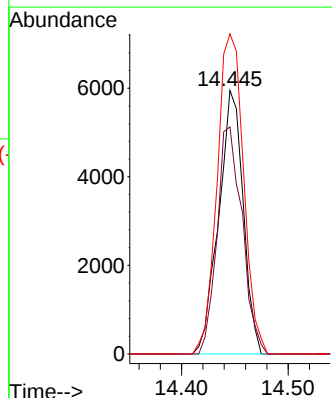
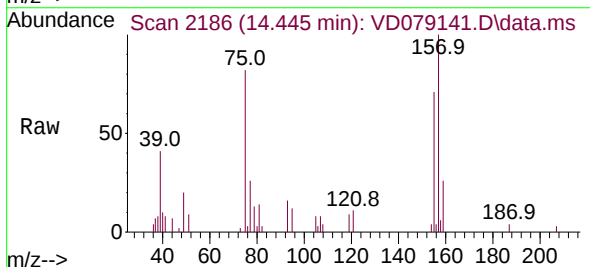
Tgt Ion: 75 Resp: 9457

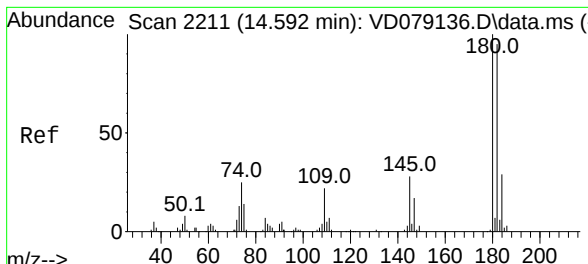
Ion Ratio Lower Upper

75 100

155 86.2 68.1 102.1

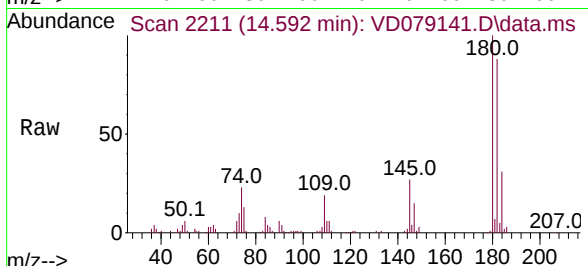
157 121.5 91.6 137.4



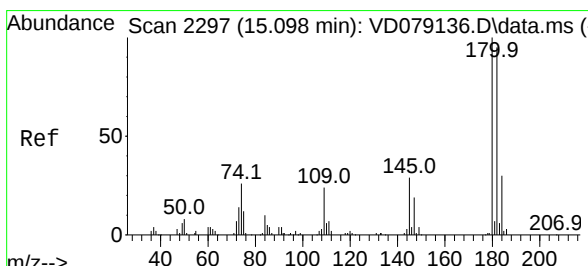
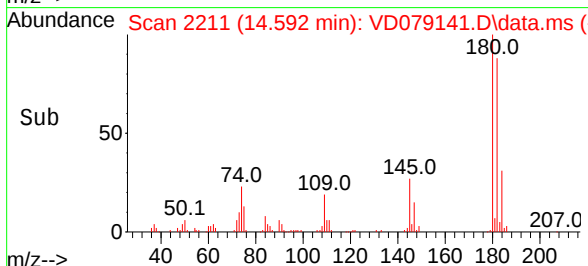
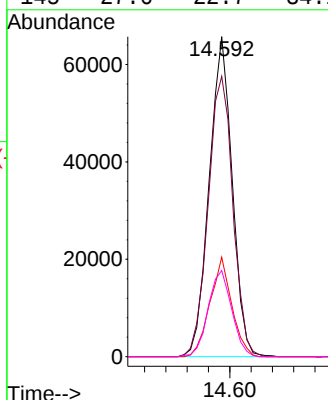


#69
 1,3,5-Trichlorobenzene
 Concen: 23.958 ug/L
 RT: 14.592 min Scan# 2211
 Delta R.T. 0.000 min
 Lab File: VD079141.D
 Acq: 04 Jun 2024 15:51

Instrument :
 MSVOA_D
 ClientSampleId :

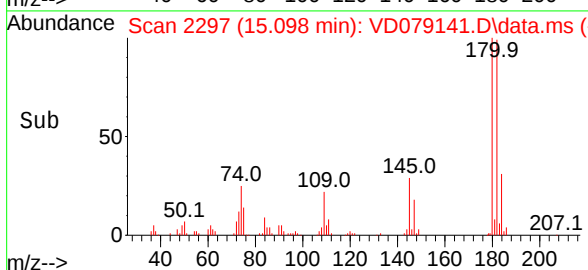
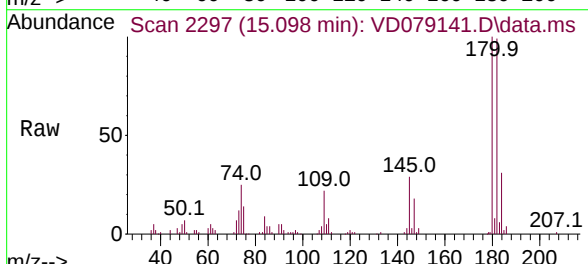
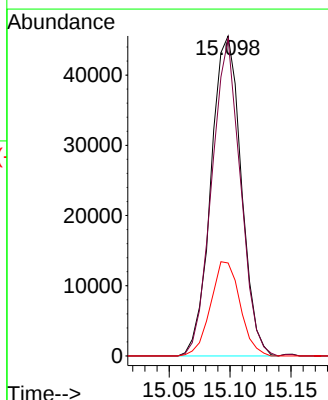


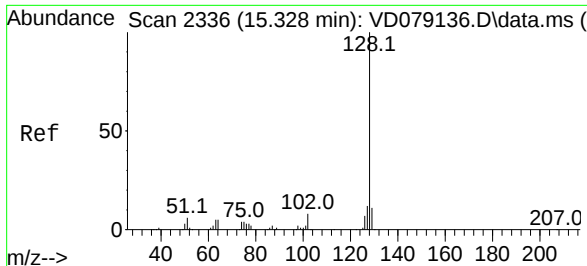
Tgt Ion:	180	Resp:	98467
Ion Ratio	Lower	Upper	
180	100		
182	94.1	76.9	115.3
184	29.5	23.3	34.9
145	27.6	22.7	34.1



#70
 1,2,4-trichlorobenzene
 Concen: 23.066 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. 0.000 min
 Lab File: VD079141.D
 Acq: 04 Jun 2024 15:51

Tgt Ion:	180	Resp:	78733
Ion Ratio	Lower	Upper	
180	100		
182	93.8	73.8	110.6
145	28.8	22.3	33.5

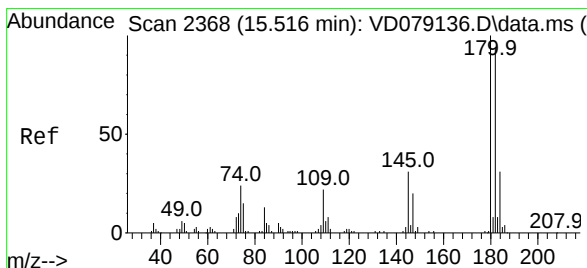
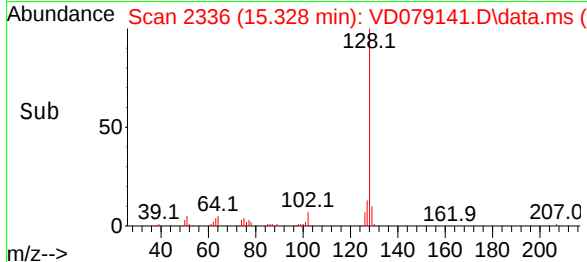
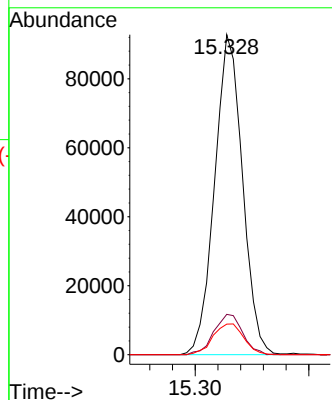
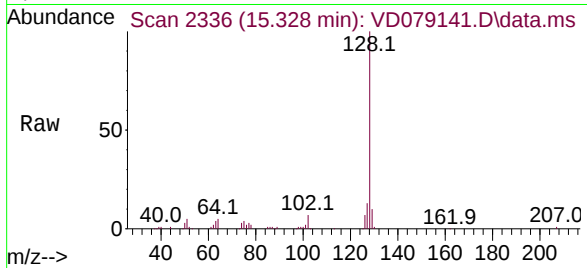




#71
Naphthalene
Concen: 24.754 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 158020
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 10.6 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 25.447 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. 0.000 min
Lab File: VD079141.D
Acq: 04 Jun 2024 15:51

Tgt Ion:180 Resp: 75073
Ion Ratio Lower Upper
180 100
182 93.6 79.4 119.2
145 30.7 24.7 37.1

