

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062724\
 Data File : VD079272.D
 Acq On : 27 Jun 2024 13:03
 Operator : RP/MD
 Sample : VSTD025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 06:02:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM062724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 28 06:00:46 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	177909	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	180960	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	94448	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	121590	23.937	ug/L	0.00
7) Chloroethane-d5	2.793	69	105388	23.533	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.911	65	23206	23.233	ug/L	0.00
21) 2-Butanone-d5	6.987	46	26727	44.775	ug/L	0.00
24) Chloroform-d	7.563	84	126426	23.129	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	58267	22.249	ug/L	0.00
32) Benzene-d6	8.199	84	257704	23.569	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	78099	23.797	ug/L	0.00
41) Toluene-d8	10.269	98	242572	24.510	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	32477	22.686	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	23802	44.408	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	72868	22.713	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	79298	21.635	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	79759	25.953	ug/L	100
3) Chloromethane	2.146	50	108805	25.233	ug/L	100
5) Vinyl chloride	2.275	62	145707	25.521	ug/L	100
6) Bromomethane	2.687	94	98788	25.345	ug/L	100
8) Chloroethane	2.828	64	95786	25.153	ug/L	100
9) Trichlorofluoromethane	3.164	101	108670	25.586	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	69638	25.652	ug/L	100
12) 1,1-Dichloroethene	3.934	96	62511	25.403	ug/L	100
13) Acetone	4.017	43	23794	52.321	ug/L	100
14) Carbon disulfide	4.264	76	229854	25.835	ug/L	100
15) Methyl Acetate	4.564	43	27548	25.544	ug/L	100
16) Methylene chloride	4.793	84	88414	19.900	ug/L	100
17) trans-1,2-Dichloroethene	5.305	96	70549	25.872	ug/L	100
18) Methyl tert-butyl Ether	5.311	73	141597	25.268	ug/L	100
19) 1,1-Dichloroethane	6.105	63	118222	25.815	ug/L	100
20) cis-1,2-Dichloroethene	7.081	96	78603	25.721	ug/L	100
22) 2-Butanone	7.075	43	33487	49.518	ug/L	100
23) Bromochloromethane	7.422	128	40151	26.021	ug/L	100
25) Chloroform	7.593	83	129155	24.969	ug/L	100
27) 1,2-Dichloroethane	8.322	62	75335	25.554	ug/L	100
29) Cyclohexane	7.875	56	89501	28.076	ug/L	100
30) 1,1,1-Trichloroethane	7.793	97	102171	26.063	ug/L	100
31) Carbon tetrachloride	7.993	117	92025	26.021	ug/L	100
33) Benzene	8.252	78	303681	26.860	ug/L	100
34) Trichloroethene	9.028	95	71797	25.981	ug/L	100
35) Methylcyclohexane	9.275	83	118803	27.885	ug/L	100
37) 1,2-Dichloropropane	9.304	63	77812	26.340	ug/L	100
38) Bromodichloromethane	9.581	83	99241	26.227	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	112178	25.877	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	72813	51.995	ug/L	100
42) Toluene	10.334	91	329618	27.397	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	100723	26.592	ug/L	100

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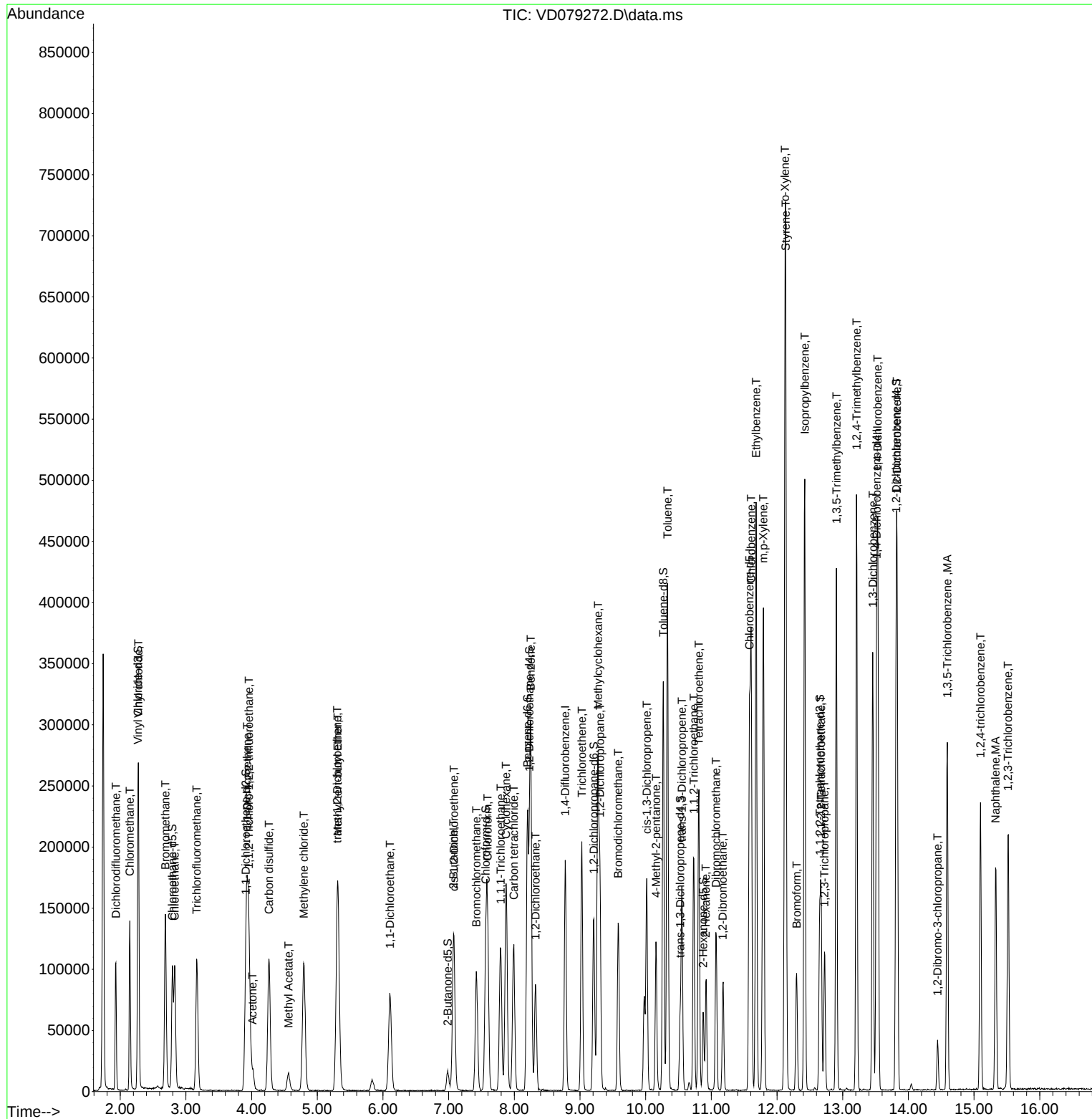
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	66052	26.021	ug/L	100
46) Tetrachloroethene	10.810	164	59301	26.950	ug/L	100
48) 2-Hexanone	10.916	43	53396	52.235	ug/L	100
49) Dibromochloromethane	11.069	129	71445	26.061	ug/L	100
50) 1,2-Dibromoethane	11.175	107	60732	25.432	ug/L	100
51) Chlorobenzene	11.604	112	211913	25.991	ug/L	100
52) Ethylbenzene	11.681	91	341981	27.540	ug/L	100
53) m,p-Xylene	11.793	106	137292	28.034	ug/L	100
54) o-Xylene	12.122	106	130101	26.432	ug/L	100
55) Styrene	12.134	104	244999	27.830	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.669	83	79902	25.812	ug/L	100
59) Bromoform	12.298	173	44965	24.260	ug/L	100
60) Isopropylbenzene	12.422	105	331323	26.879	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	47883	23.900	ug/L	100
62) 1,3,5-Trimethylbenzene	12.904	105	231053	26.343	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	260516	27.281	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	160744	25.973	ug/L	100
65) 1,4-Dichlorobenzene	13.534	146	169581	25.986	ug/L	100
67) 1,2-Dichlorobenzene	13.828	146	148894	24.905	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.445	75	10049	24.949	ug/L	100
69) 1,3,5-Trichlorobenzene	14.592	180	94859	24.557	ug/L	100
70) 1,2,4-trichlorobenzene	15.098	180	79682	24.878	ug/L	100
71) Naphthalene	15.328	128	166756	23.985	ug/L	100
72) 1,2,3-Trichlorobenzene	15.516	180	76791	25.220	ug/L	100

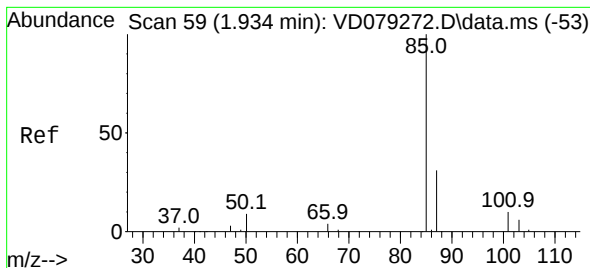
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#2

Dichlorodifluoromethane

Concen: 25.953 ug/L

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

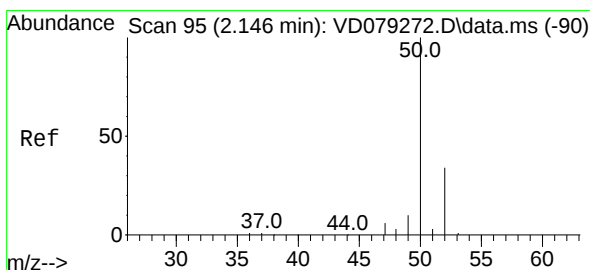
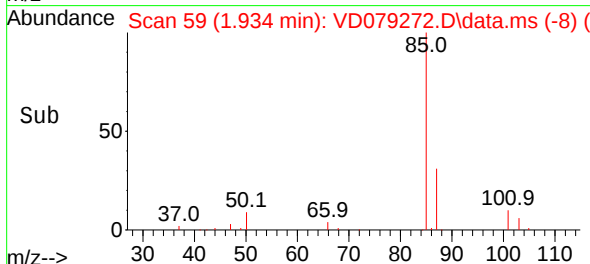
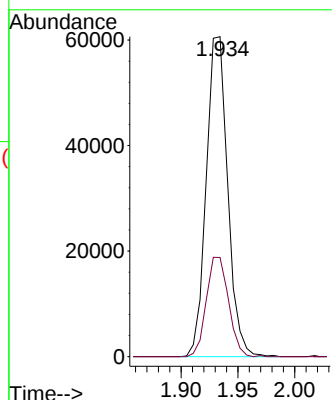
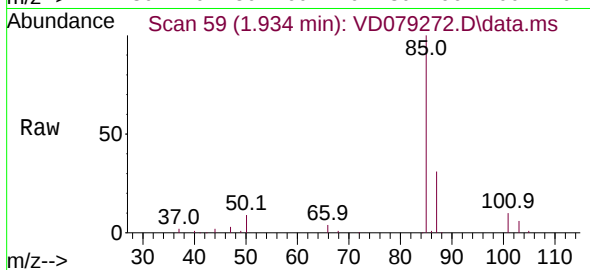
ClientSampleId :

Tgt Ion: 85 Resp: 79759

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



#3

Chloromethane

Concen: 25.233 ug/L

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD079272.D

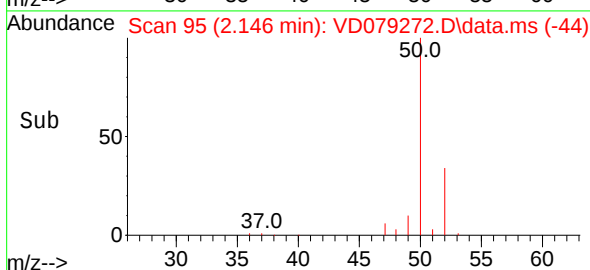
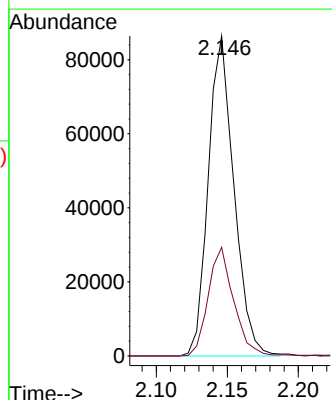
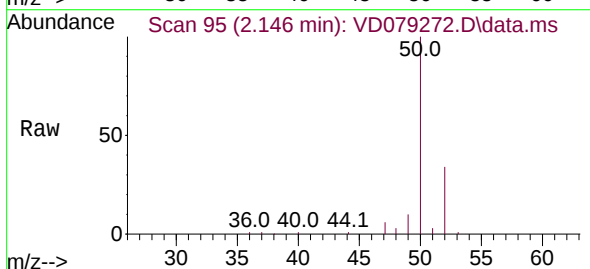
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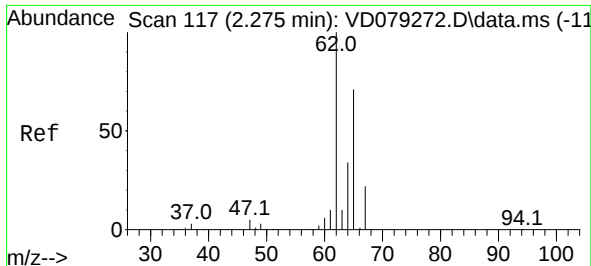
Tgt Ion: 50 Resp: 108805

Ion Ratio Lower Upper

50 100

52 33.9 23.7 44.1

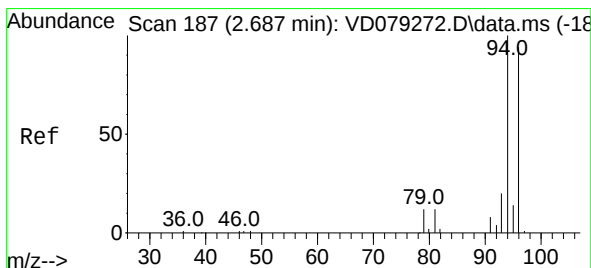
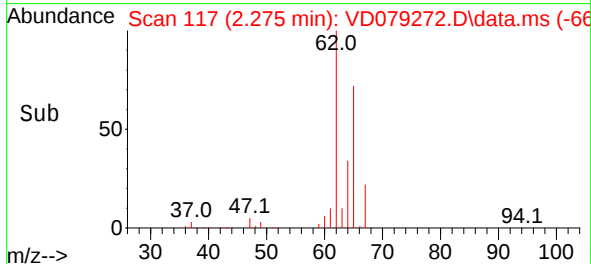
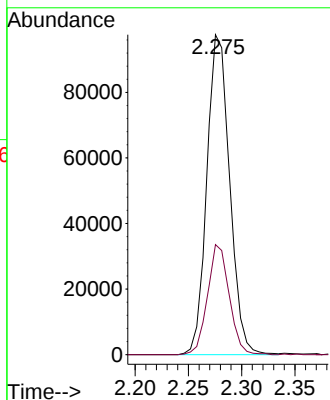
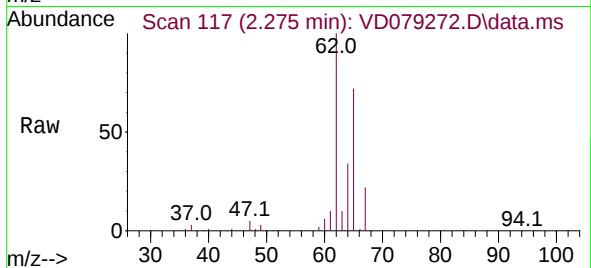




#5
 Vinyl chloride
 Concen: 25.521 ug/L
 RT: 2.275 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: VD079272.D
 Acq: 27 Jun 2024 13:03

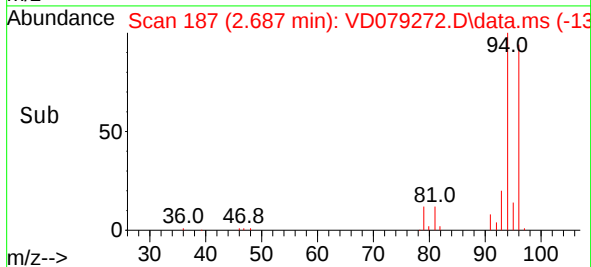
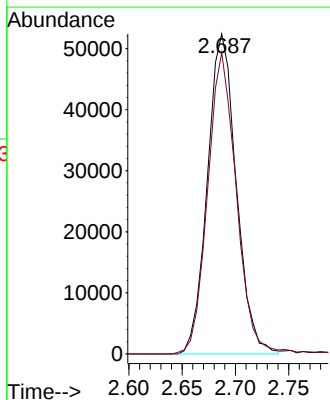
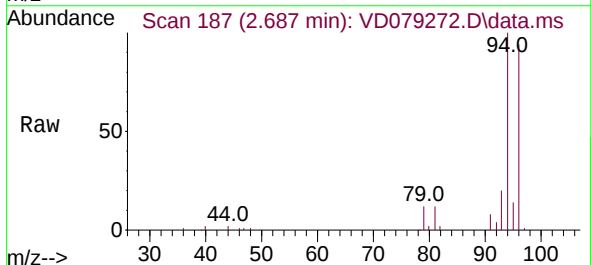
Instrument :
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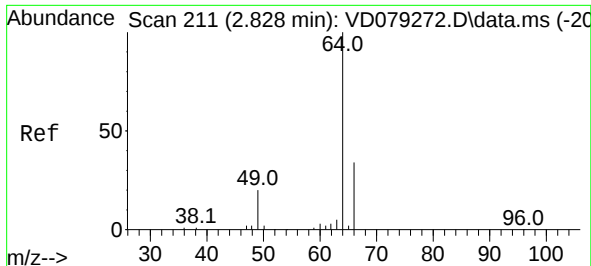
Tgt Ion: 62 Resp: 145707
 Ion Ratio Lower Upper
 62 100
 64 34.4 24.1 44.7



#6
 Bromomethane
 Concen: 25.345 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. 0.000 min
 Lab File: VD079272.D
 Acq: 27 Jun 2024 13:03

Tgt Ion: 94 Resp: 98788
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.9 122.5

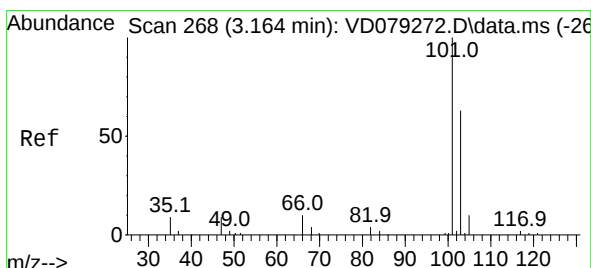
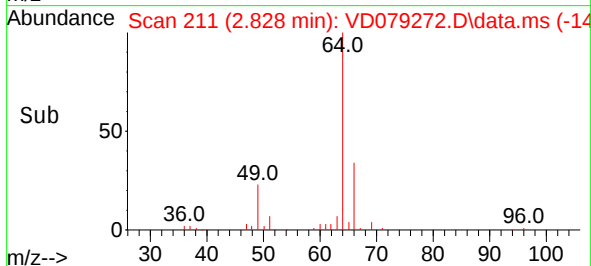
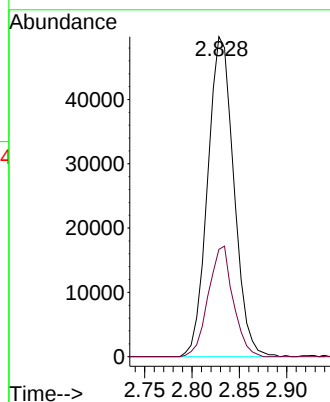
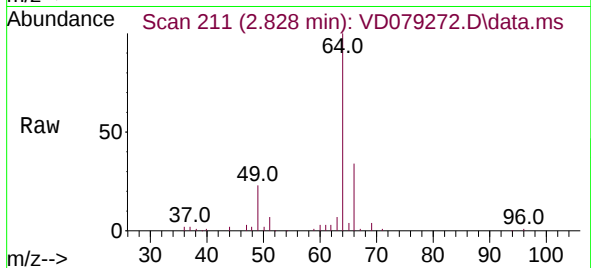




#8
Chloroethane
Concen: 25.153 ug/L
RT: 2.828 min Scan# 211
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

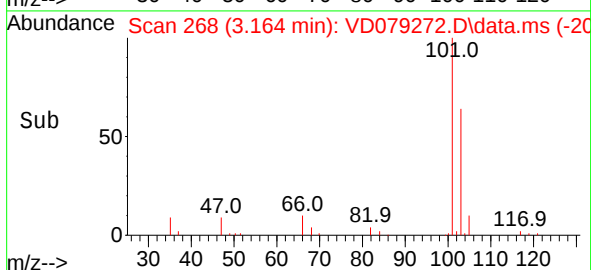
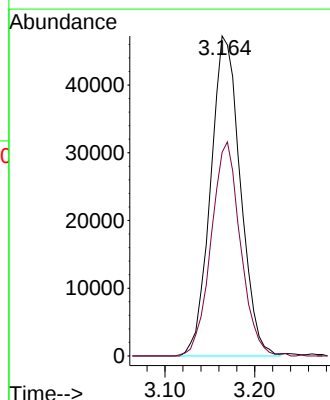
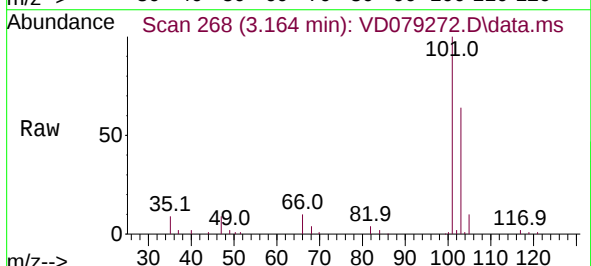
Instrument :
MSVOA_D
ClientSampleId :

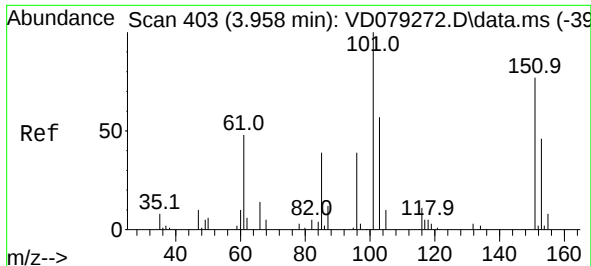
Tgt Ion: 64 Resp: 95786
Ion Ratio Lower Upper
64 100
66 33.5 23.4 43.6



#9
Trichlorofluoromethane
Concen: 25.586 ug/L
RT: 3.164 min Scan# 268
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

Tgt Ion:101 Resp: 108670
Ion Ratio Lower Upper
101 100
103 65.8 52.6 79.0





#10

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

Concen: 25.652 ug/L

RT: 3.958 min Scan# 403

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

ClientSampleId :

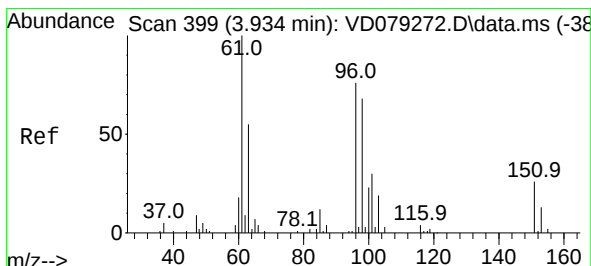
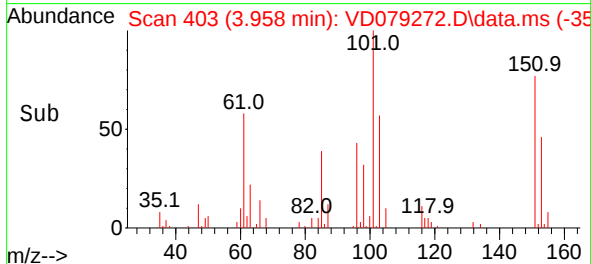
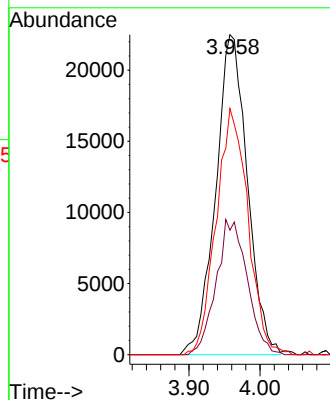
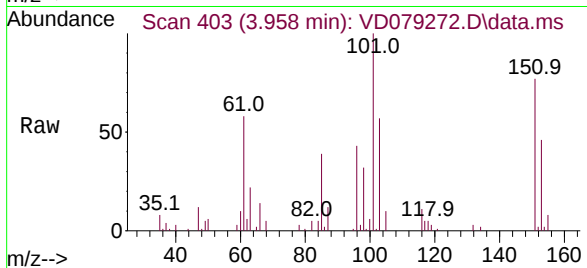
Tgt Ion:101 Resp: 69638

Ion Ratio Lower Upper

101 100

85 41.3 33.0 49.6

151 77.1 61.7 92.5



#12

1,1-Dichloroethene

Concen: 25.403 ug/L

RT: 3.934 min Scan# 399

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

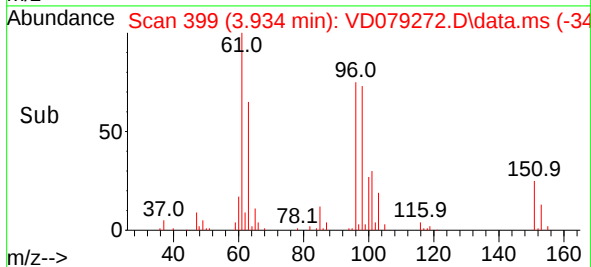
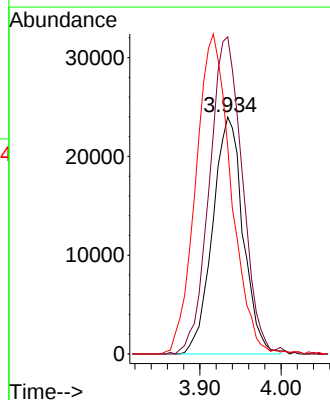
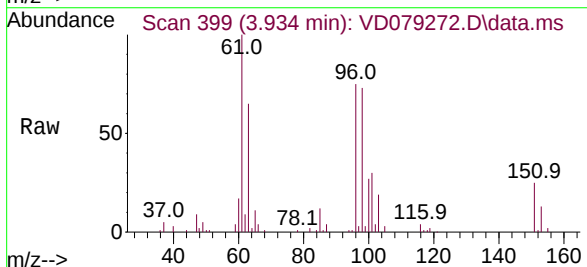
Tgt Ion: 96 Resp: 62511

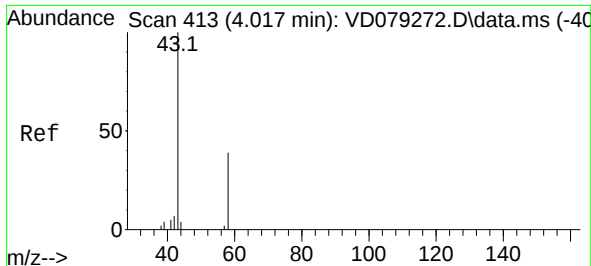
Ion Ratio Lower Upper

96 100

61 133.8 93.7 173.9

63 87.5 61.2 113.8

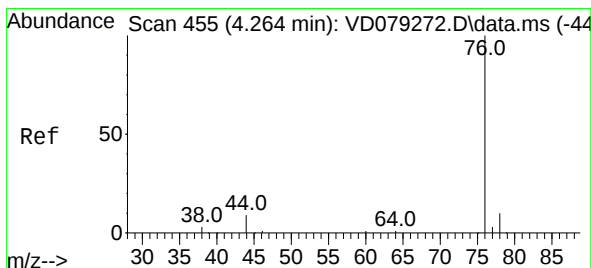
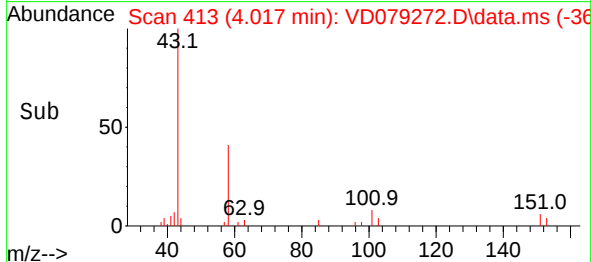
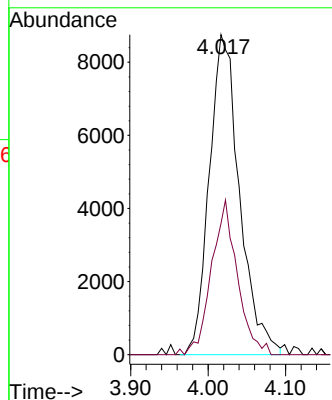
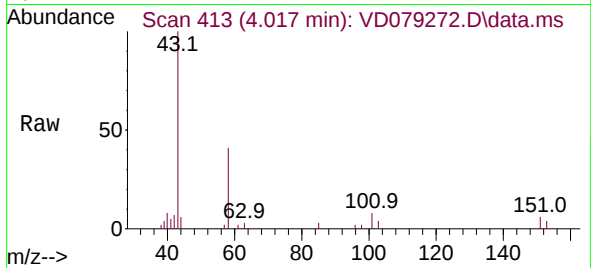




#13
Acetone
Concen: 52.321 ug/L
RT: 4.017 min Scan# 413
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

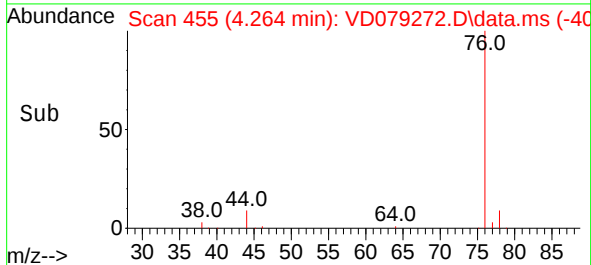
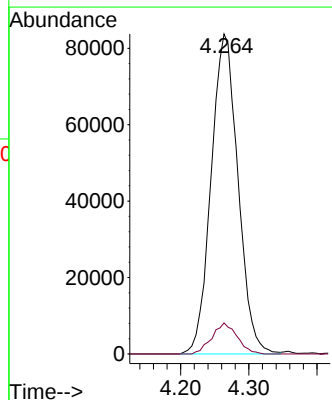
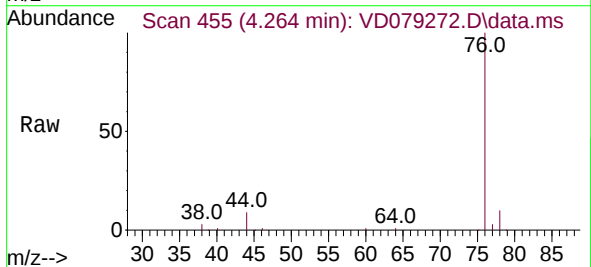
Instrument :
MSVOA_D
ClientSampleId :

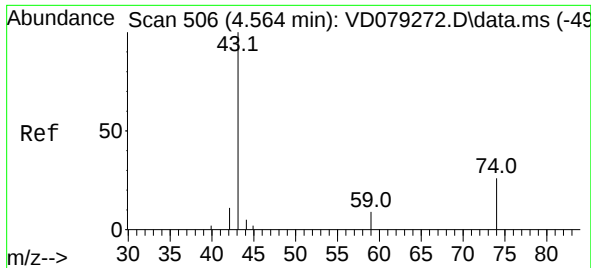
Tgt Ion: 43 Resp: 23794
Ion Ratio Lower Upper
43 100
58 40.7 0.0 81.4



#14
Carbon disulfide
Concen: 25.835 ug/L
RT: 4.264 min Scan# 455
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

Tgt Ion: 76 Resp: 229854
Ion Ratio Lower Upper
76 100
78 9.7 7.8 11.6

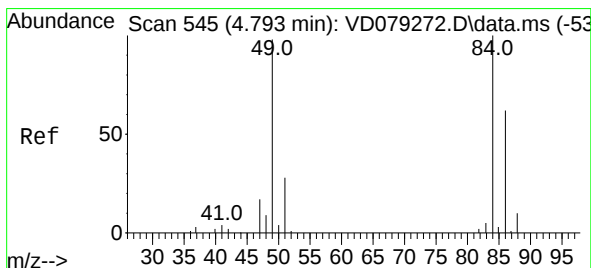
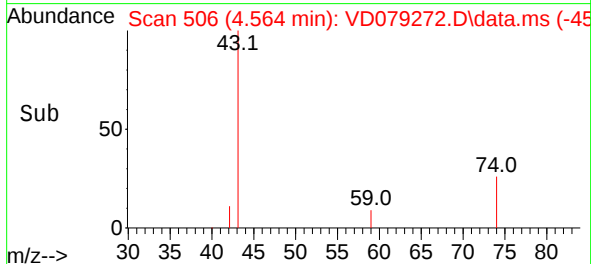
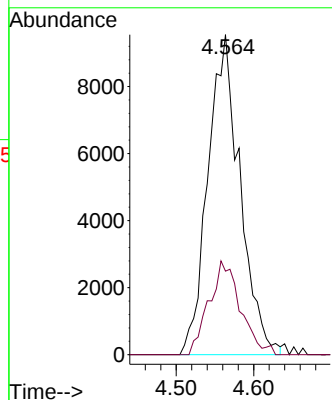
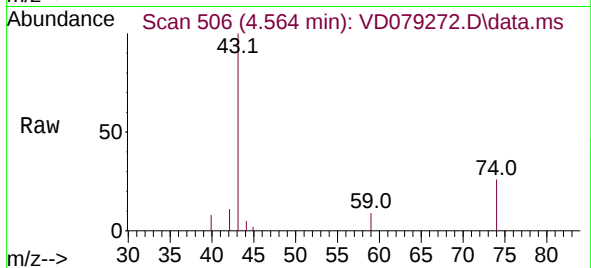




#15
Methyl Acetate
Concen: 25.544 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

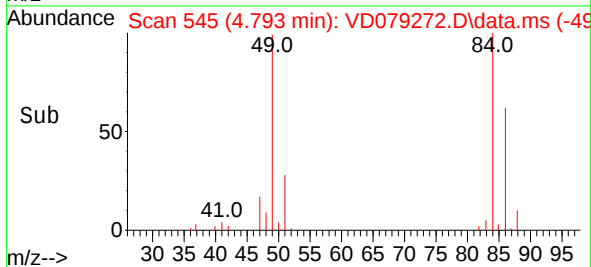
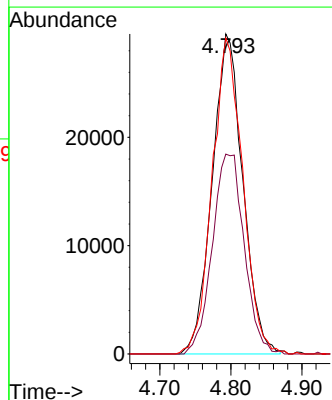
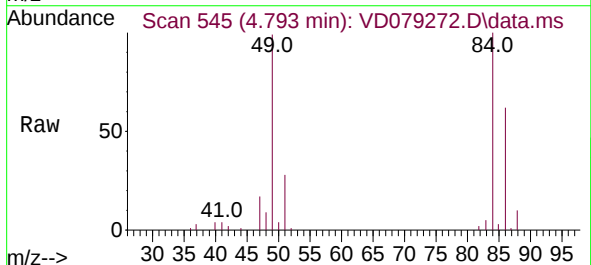
Instrument :
MSVOA_D
ClientSampleId :

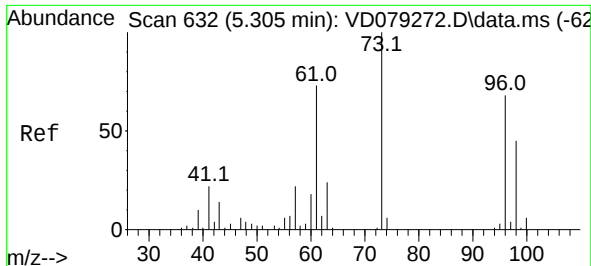
Tgt Ion: 43 Resp: 27548
Ion Ratio Lower Upper
43 100
74 28.0 22.4 33.6



#16
Methylene chloride
Concen: 19.900 ug/L
RT: 4.793 min Scan# 545
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

Tgt Ion: 84 Resp: 88414
Ion Ratio Lower Upper
84 100
86 62.5 43.8 81.3
49 98.7 69.1 128.3





#17

trans-1,2-Dichloroethene

Concen: 25.872 ug/L

RT: 5.305 min Scan# 632

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

ClientSampleId :

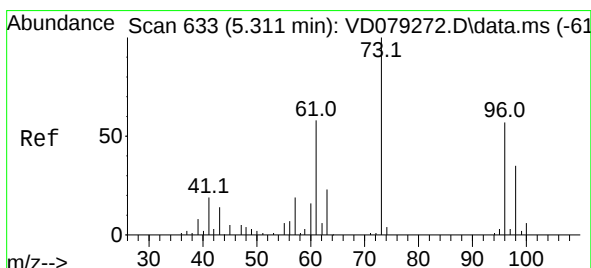
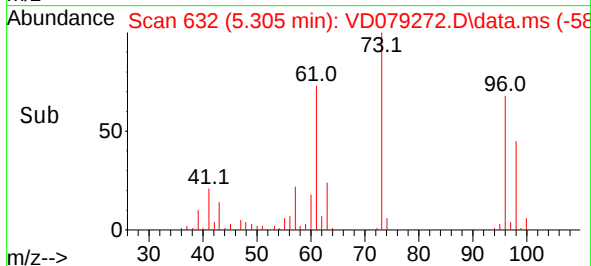
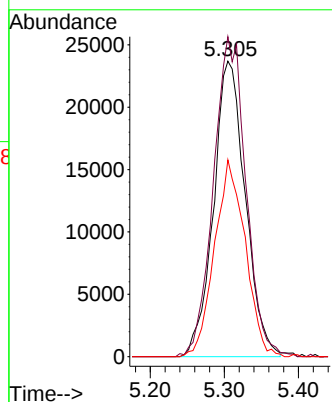
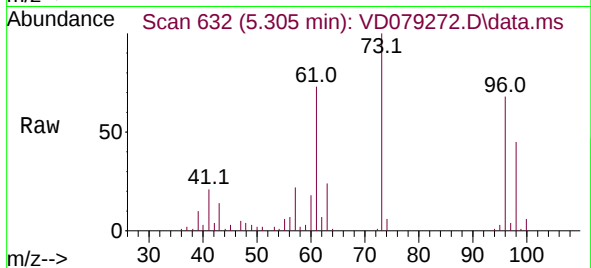
Tgt Ion: 96 Resp: 70549

Ion Ratio Lower Upper

96 100

61 108.3 75.8 140.8

98 66.6 46.6 86.6



#18

Methyl tert-butyl Ether

Concen: 25.268 ug/L

RT: 5.311 min Scan# 633

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

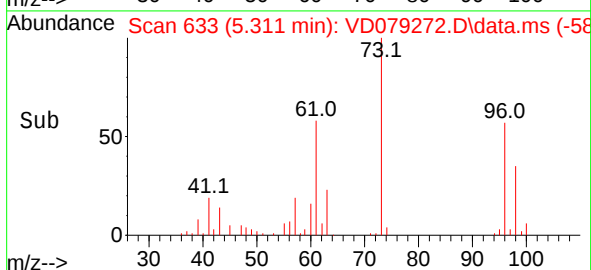
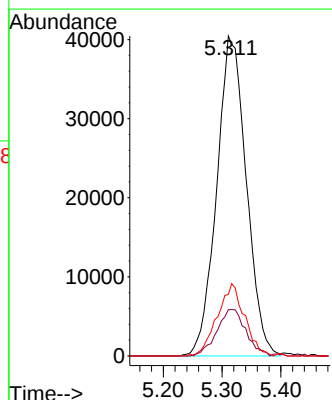
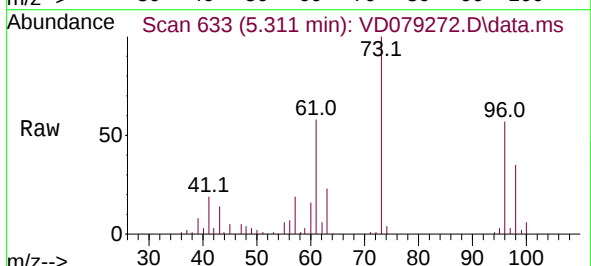
Tgt Ion: 73 Resp: 141597

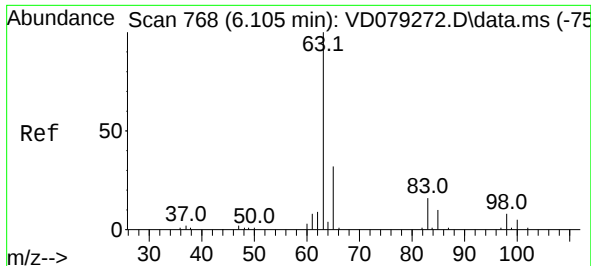
Ion Ratio Lower Upper

73 100

43 14.2 11.4 17.0

57 20.7 16.6 24.8

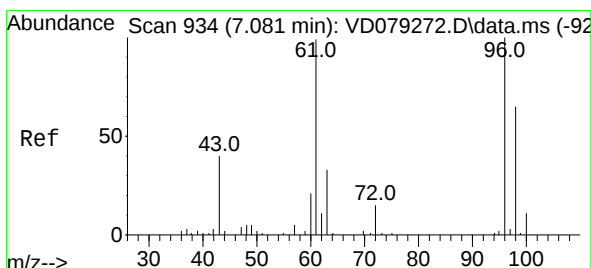
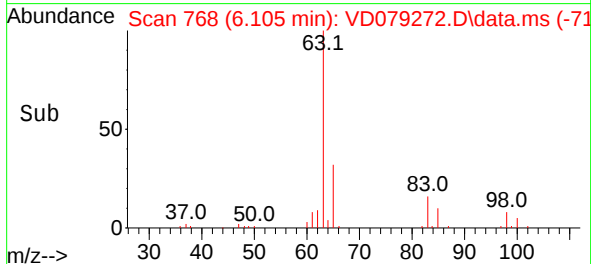
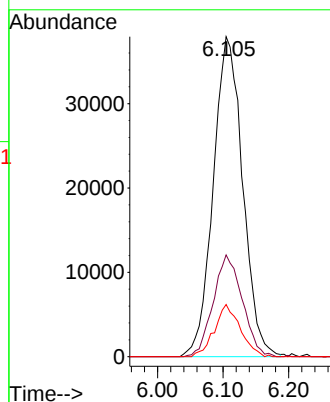
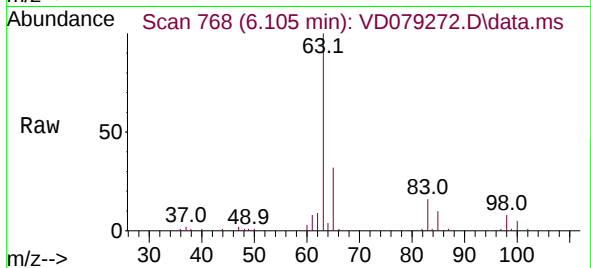




#19
1,1-Dichloroethane
Concen: 25.815 ug/L
RT: 6.105 min Scan# 768
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

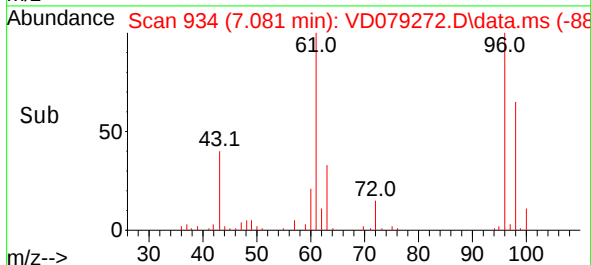
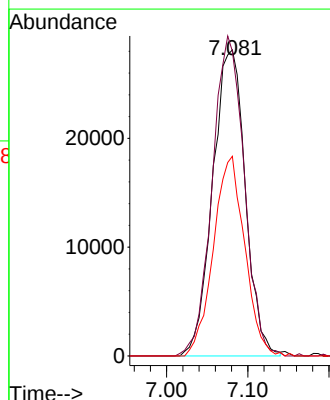
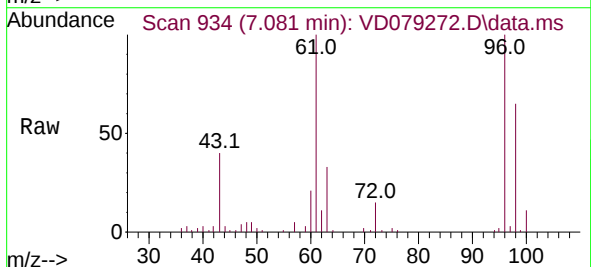
Instrument :
MSVOA_D
ClientSampleId :

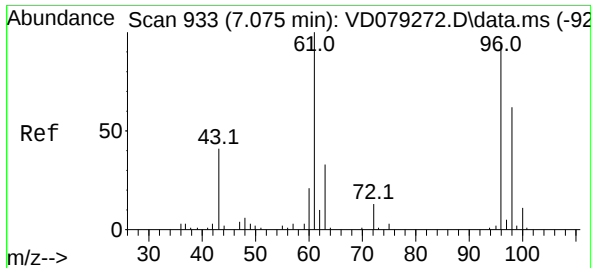
Tgt Ion: 63 Resp: 118222
Ion Ratio Lower Upper
63 100
65 31.8 22.3 41.3
83 16.3 11.4 21.2



#20
cis-1,2-Dichloroethene
Concen: 25.721 ug/L
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

Tgt Ion: 96 Resp: 78603
Ion Ratio Lower Upper
96 100
61 99.6 69.7 129.5
98 65.2 45.6 84.8

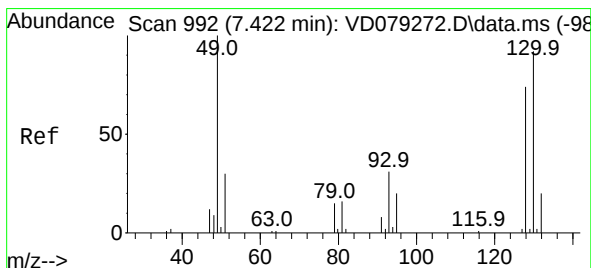
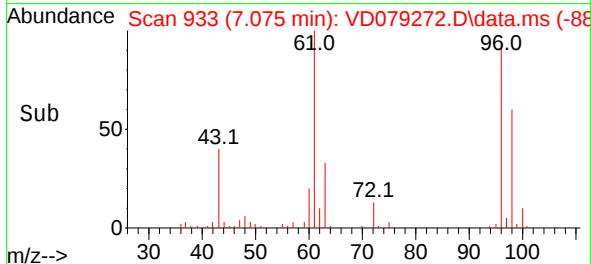
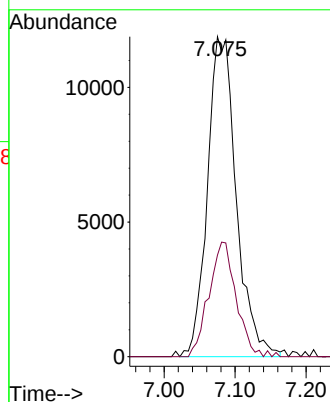
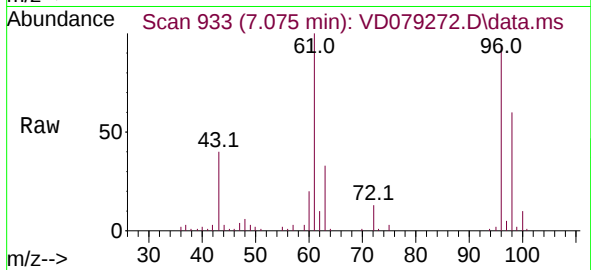




#22
2-Butanone
Concen: 49.518 ug/L
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

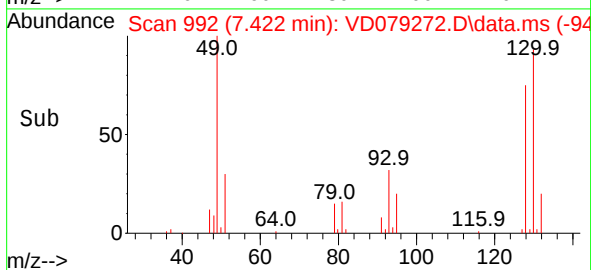
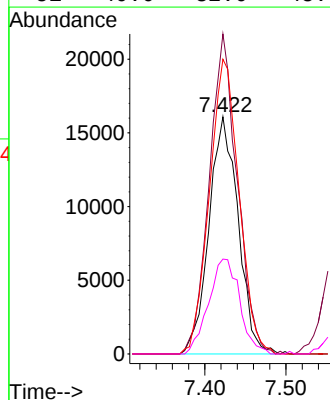
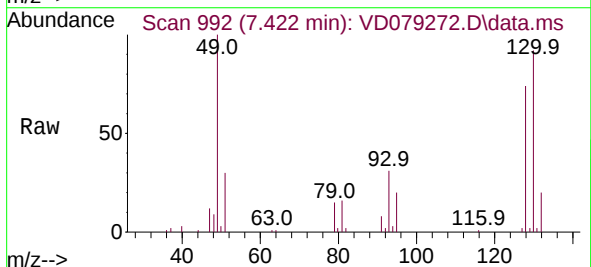
Instrument :
MSVOA_D
ClientSampleId :

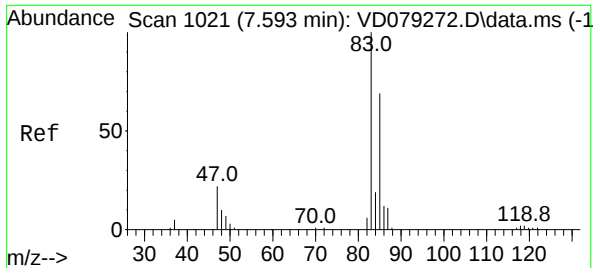
Tgt Ion: 43 Resp: 33487
Ion Ratio Lower Upper
43 100
72 33.6 16.8 50.4



#23
Bromochloromethane
Concen: 26.021 ug/L
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

Tgt Ion: 128 Resp: 40151
Ion Ratio Lower Upper
128 100
49 134.9 94.4 175.4
130 124.3 87.0 161.6
51 40.0 32.0 48.0

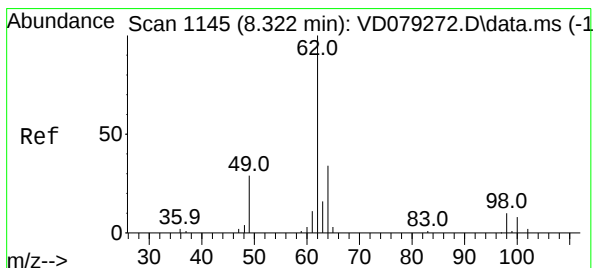
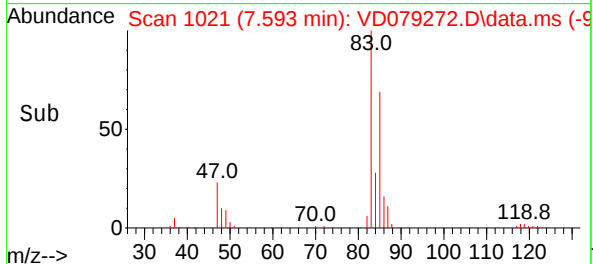
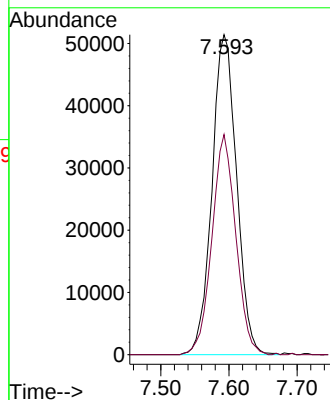
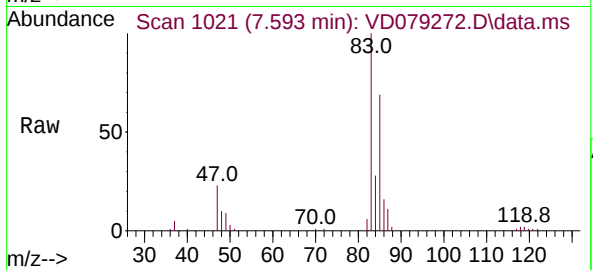




#25
Chloroform
Concen: 24.969 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

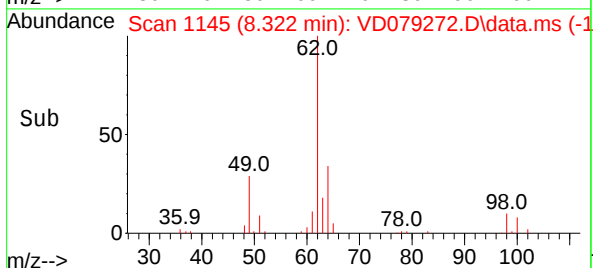
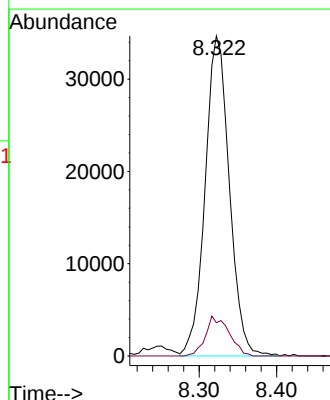
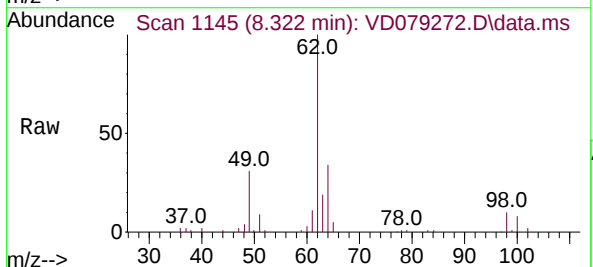
Instrument :
MSVOA_D
ClientSampleId :

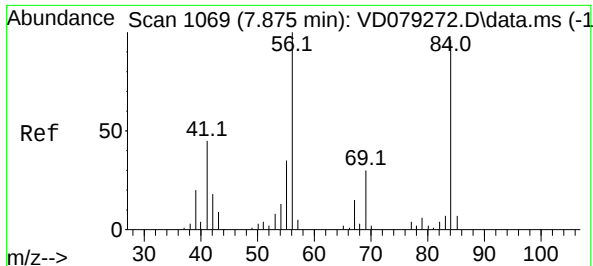
Tgt Ion: 83 Resp: 129155
Ion Ratio Lower Upper
83 100
85 68.8 48.2 89.4



#27
1,2-Dichloroethane
Concen: 25.554 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

Tgt Ion: 62 Resp: 75335
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5





#29

Cyclohexane

Concen: 28.076 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

ClientSampleId :

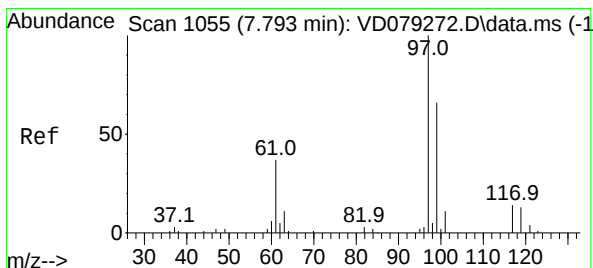
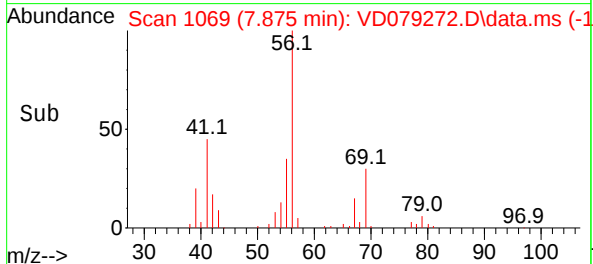
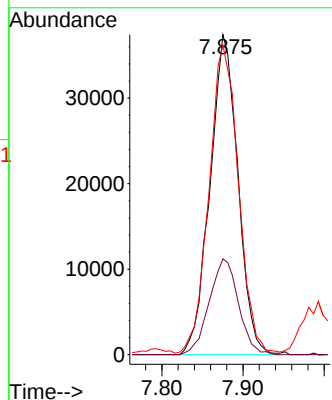
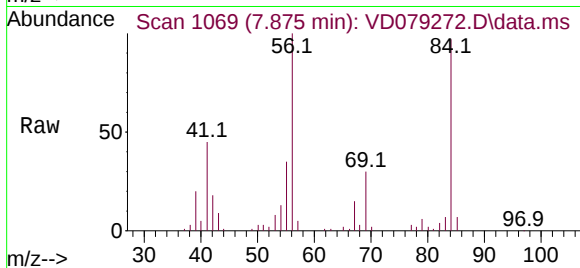
Tgt Ion: 56 Resp: 89501

Ion Ratio Lower Upper

56 100

69 31.2 25.0 37.4

84 102.1 81.7 122.5



#30

1,1,1-Trichloroethane

Concen: 26.063 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

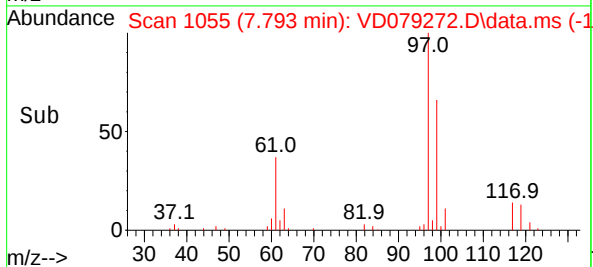
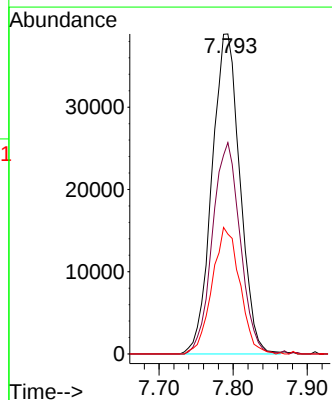
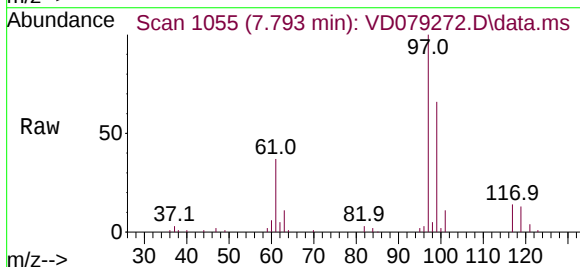
Tgt Ion: 97 Resp: 102171

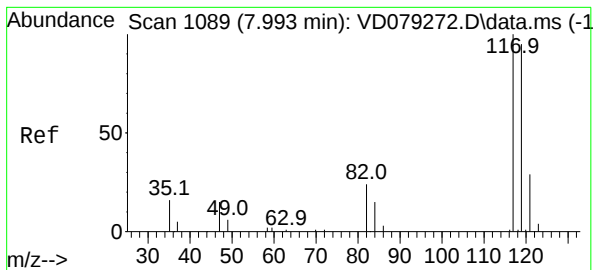
Ion Ratio Lower Upper

97 100

99 65.3 52.2 78.4

61 39.1 31.3 46.9





#31

Carbon tetrachloride

Concen: 26.021 ug/L

RT: 7.993 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

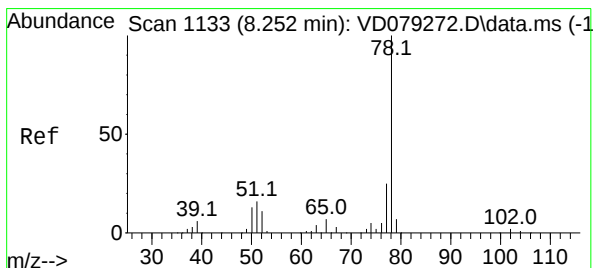
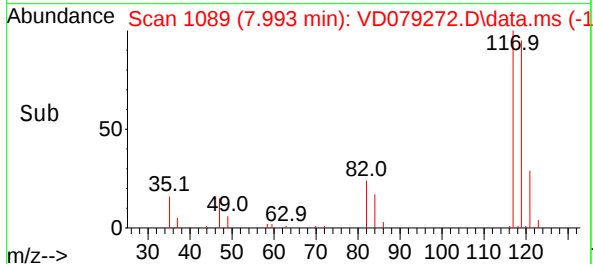
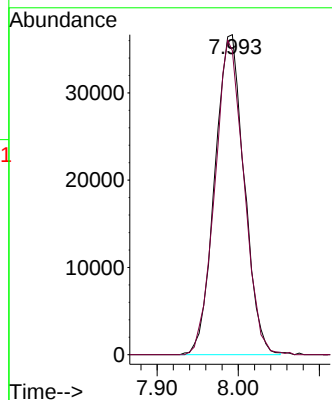
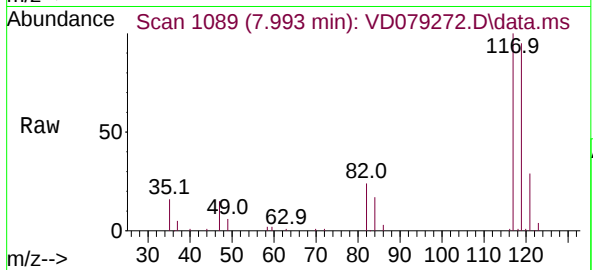
ClientSampleId :

Tgt Ion:117 Resp: 92025

Ion Ratio Lower Upper

117 100

119 97.3 77.8 116.8



#33

Benzene

Concen: 26.860 ug/L

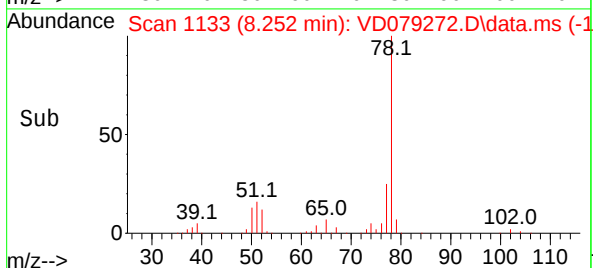
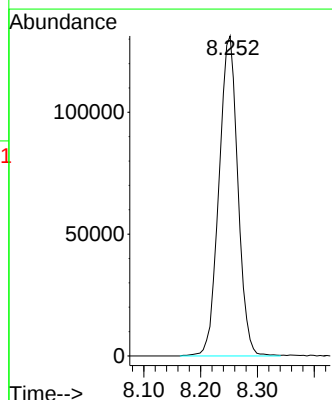
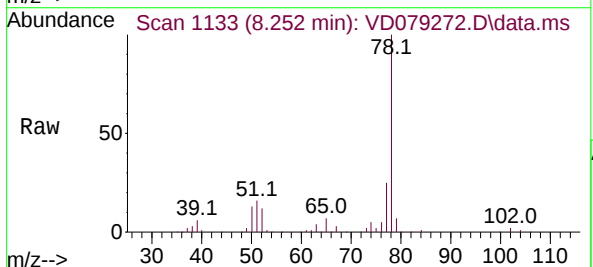
RT: 8.252 min Scan# 1133

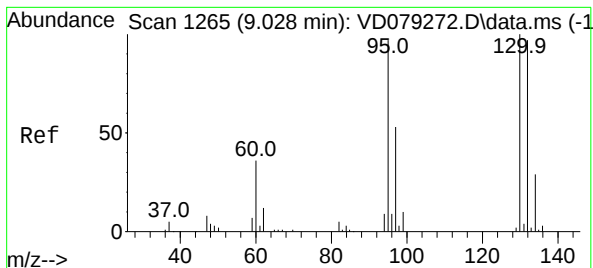
Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Tgt Ion: 78 Resp: 303681





#34

Trichloroethene

Concen: 25.981 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 95 Resp: 71797

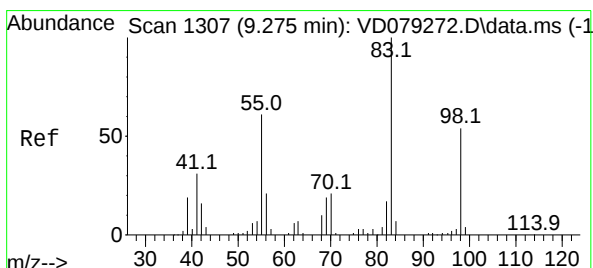
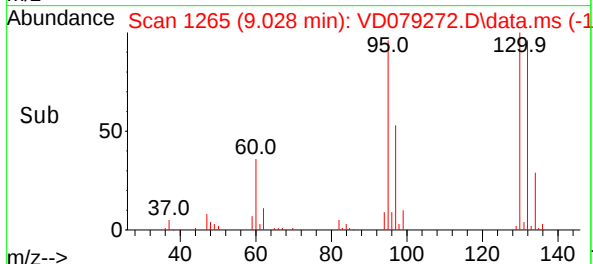
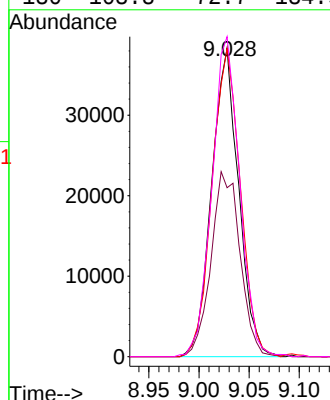
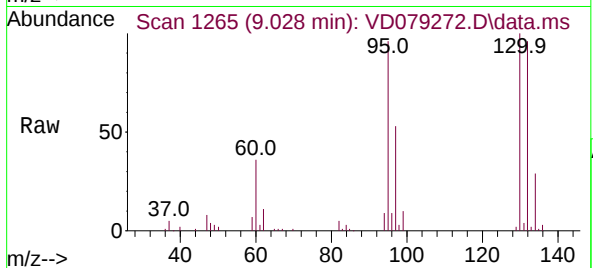
Ion Ratio Lower Upper

95 100

97 54.8 38.4 71.2

132 100.0 70.0 130.0

130 103.8 72.7 134.9



#35

Methylcyclohexane

Concen: 27.885 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

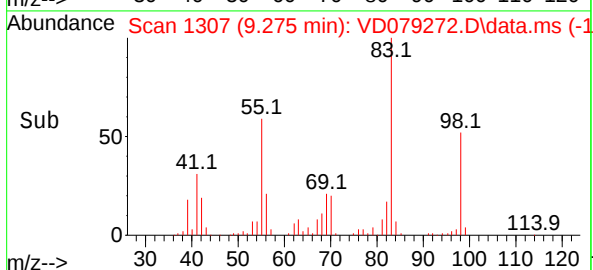
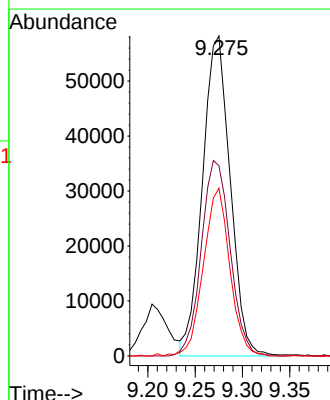
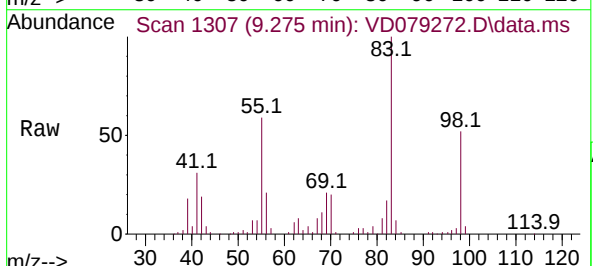
Tgt Ion: 83 Resp: 118803

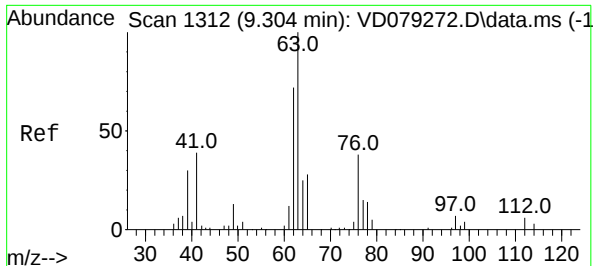
Ion Ratio Lower Upper

83 100

55 63.6 50.9 76.3

98 49.9 39.9 59.9

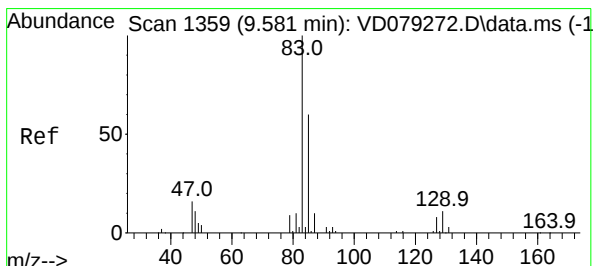
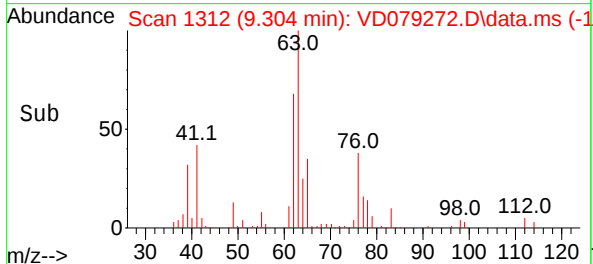
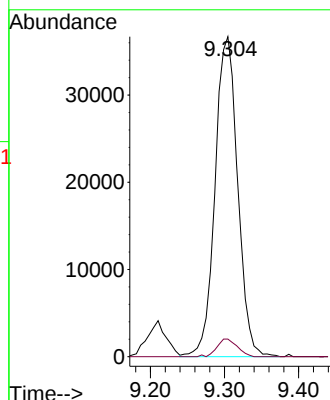
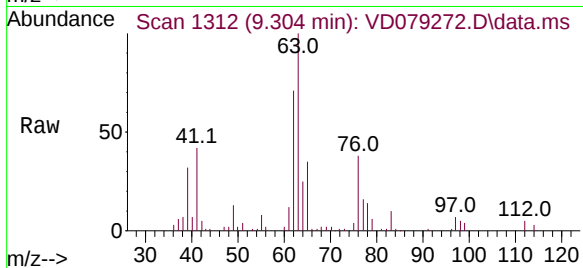




#37
1,2-Dichloropropane
Concen: 26.340 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

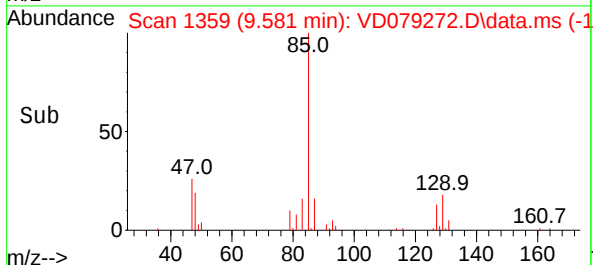
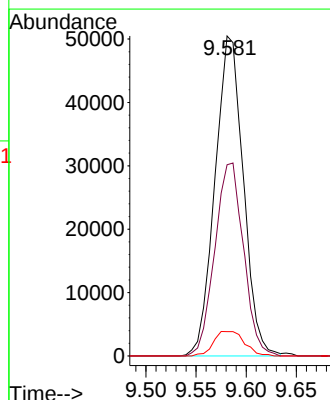
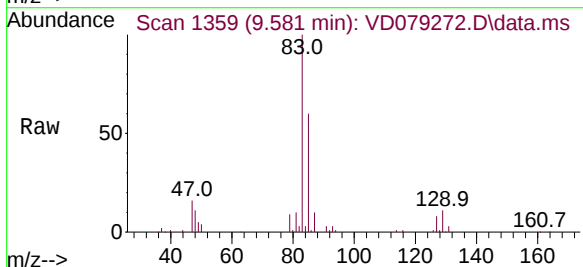
Instrument :
MSVOA_D
ClientSampleId :

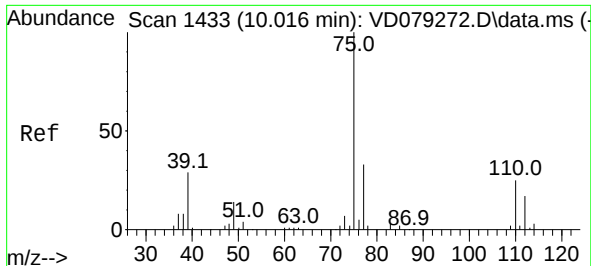
Tgt Ion: 63 Resp: 77812
Ion Ratio Lower Upper
63 100
112 4.9 3.9 5.9



#38
Bromodichloromethane
Concen: 26.227 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

Tgt Ion: 83 Resp: 99241
Ion Ratio Lower Upper
83 100
85 59.7 41.8 77.6
127 7.6 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 25.877 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

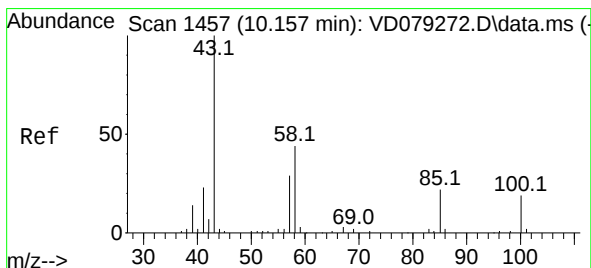
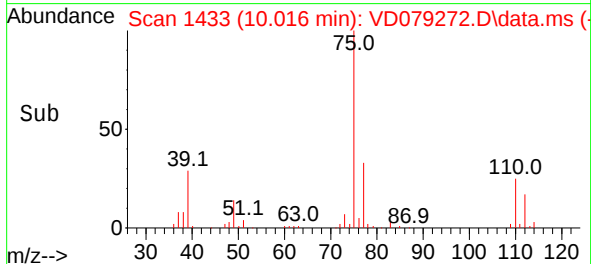
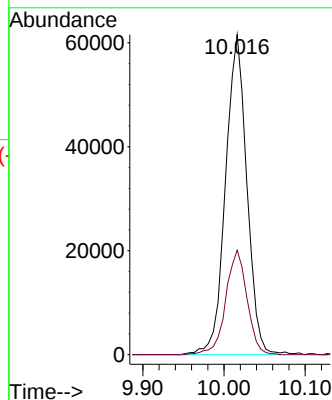
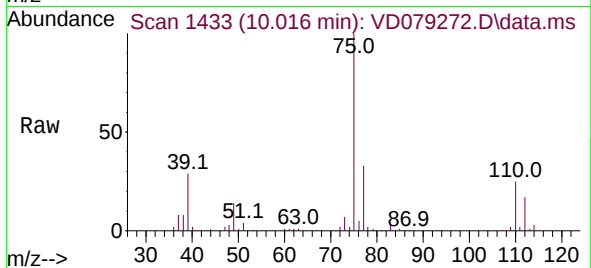
ClientSampleId :

Tgt Ion: 75 Resp: 112178

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 51.995 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

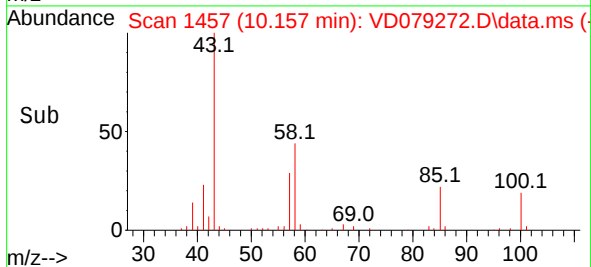
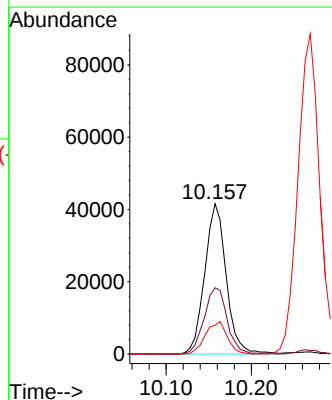
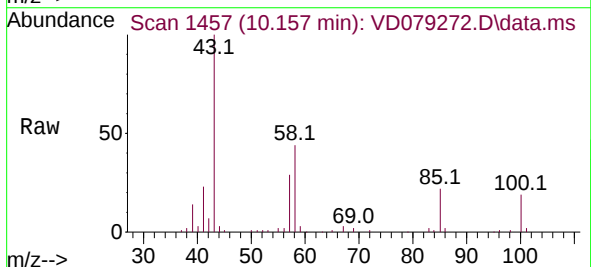
Tgt Ion: 43 Resp: 72813

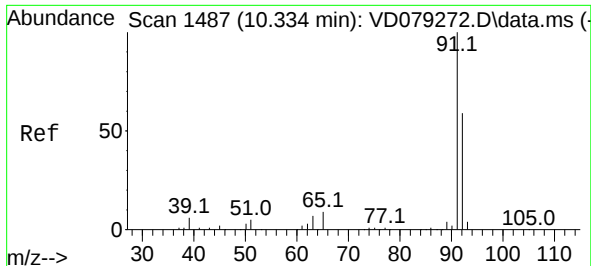
Ion Ratio Lower Upper

43 100

58 46.9 37.5 56.3

100 21.7 17.4 26.0





#42

Toluene

Concen: 27.397 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

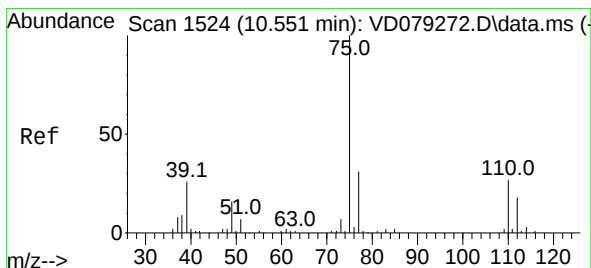
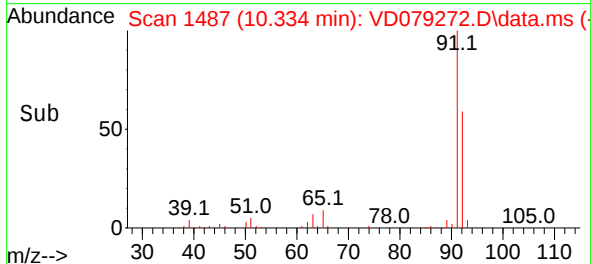
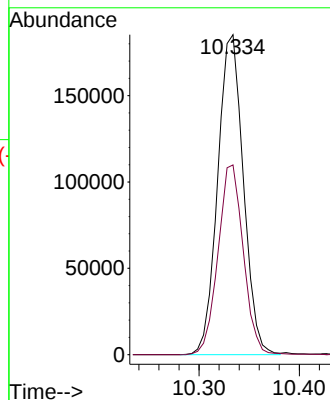
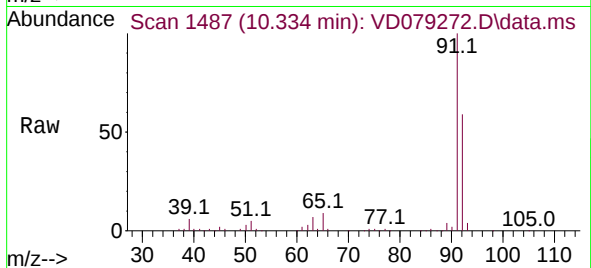
ClientSampleId :

Tgt Ion: 91 Resp: 329618

Ion Ratio Lower Upper

91 100

92 59.3 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 26.592 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD079272.D

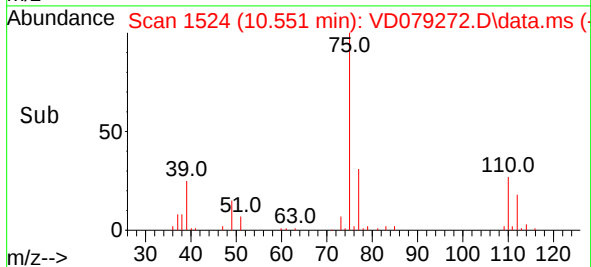
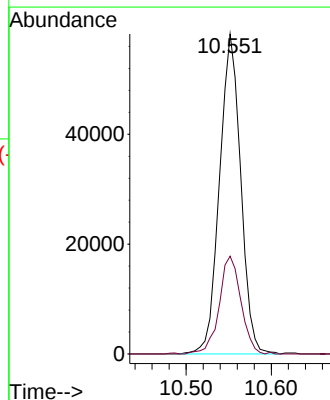
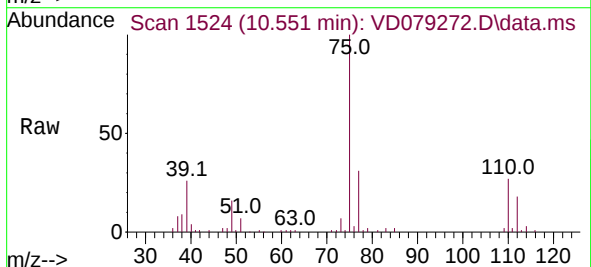
Acq: 27 Jun 2024 13:03

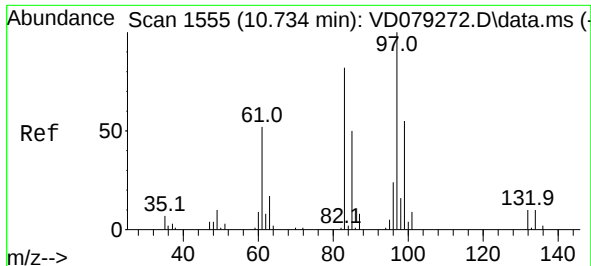
Tgt Ion: 75 Resp: 100723

Ion Ratio Lower Upper

75 100

77 30.5 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 26.021 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 66052

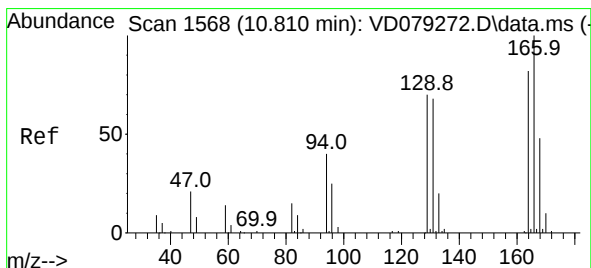
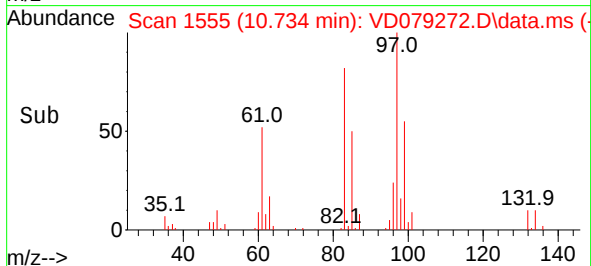
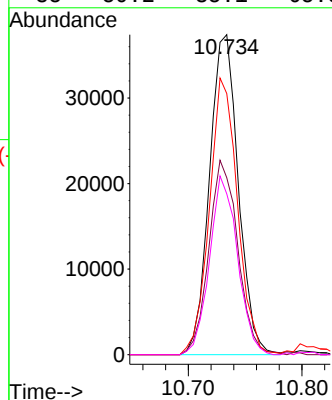
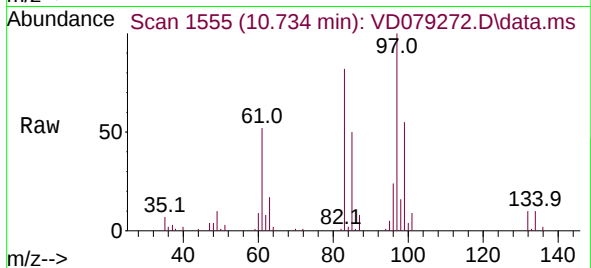
Ion Ratio Lower Upper

97 100

99 55.3 38.7 71.9

83 81.6 57.1 106.1

85 50.2 35.1 65.3



#46

Tetrachloroethene

Concen: 26.950 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Tgt Ion:164 Resp: 59301

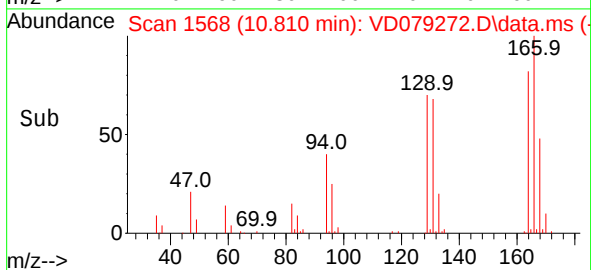
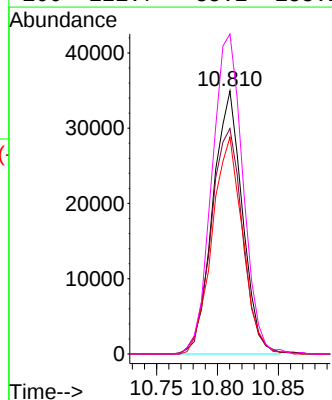
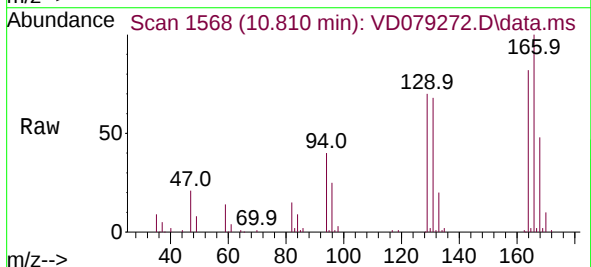
Ion Ratio Lower Upper

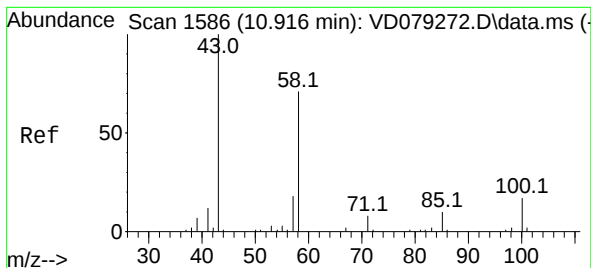
164 100

129 85.7 60.0 111.4

131 82.4 57.7 107.1

166 121.7 85.2 158.2





#48

2-Hexanone

Concen: 52.235 ug/L

RT: 10.916 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43 Resp: 53396

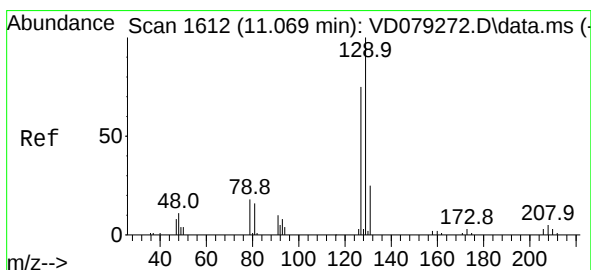
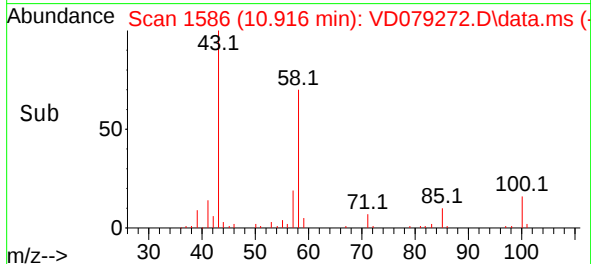
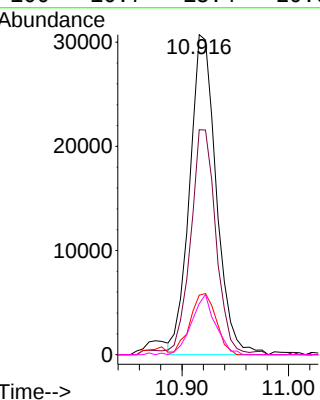
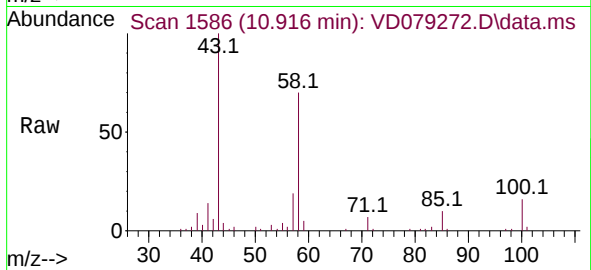
Ion Ratio Lower Upper

43 100

58 66.8 53.4 80.2

57 18.7 15.0 22.4

100 16.7 13.4 20.0



#49

Dibromochloromethane

Concen: 26.061 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VD079272.D

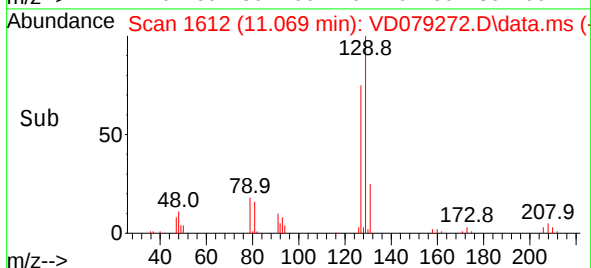
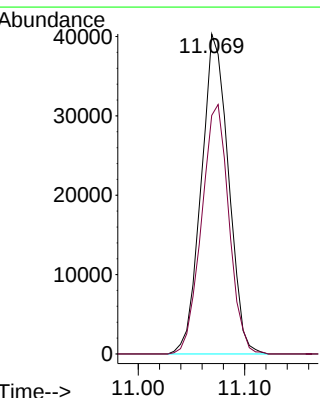
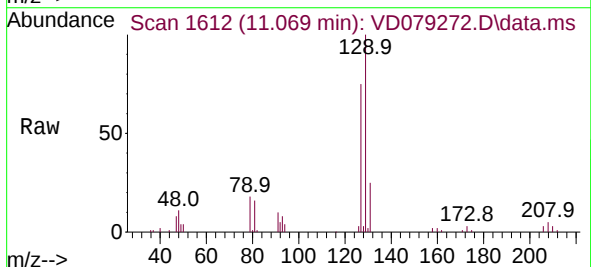
Acq: 27 Jun 2024 13:03

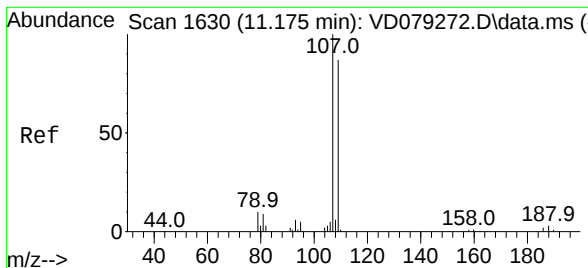
Tgt Ion:129 Resp: 71445

Ion Ratio Lower Upper

129 100

127 74.6 52.2 97.0





#50

1,2-Dibromoethane

Concen: 25.432 ug/L

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

ClientSampleId :

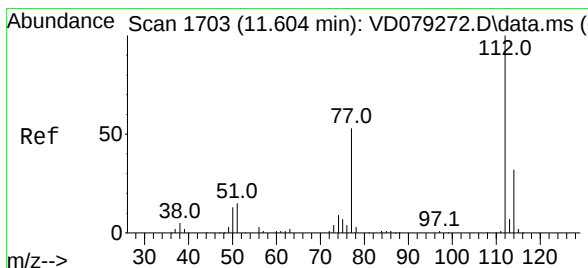
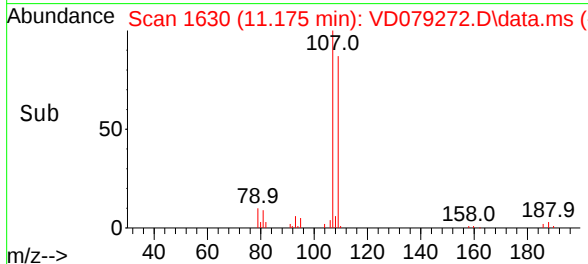
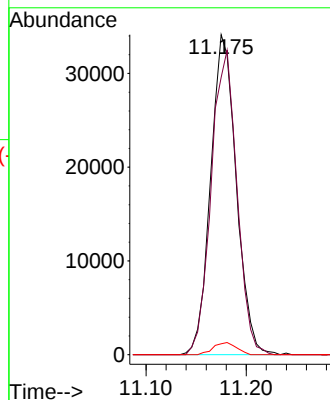
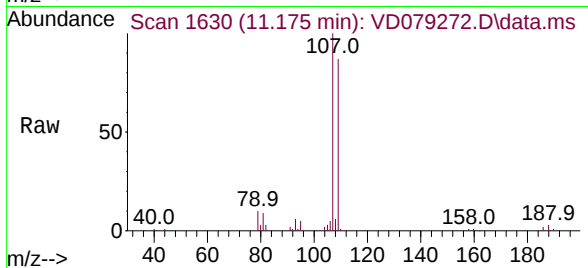
Tgt Ion:107 Resp: 60732

Ion Ratio Lower Upper

107 100

109 86.6 60.6 112.6

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 25.991 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

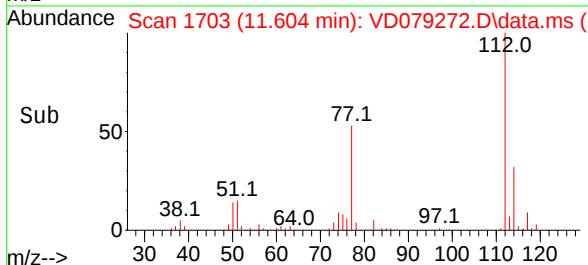
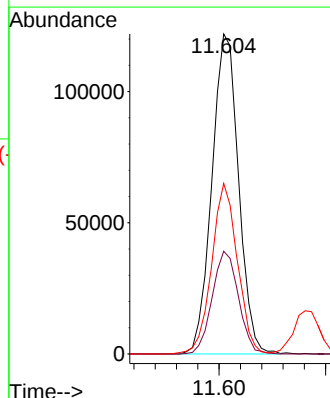
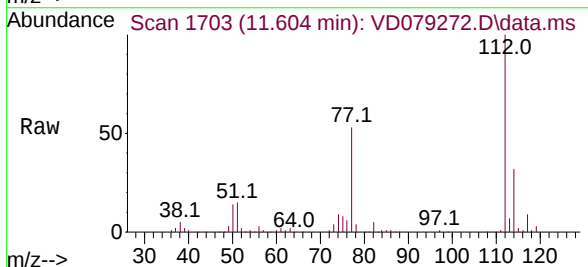
Tgt Ion:112 Resp: 211913

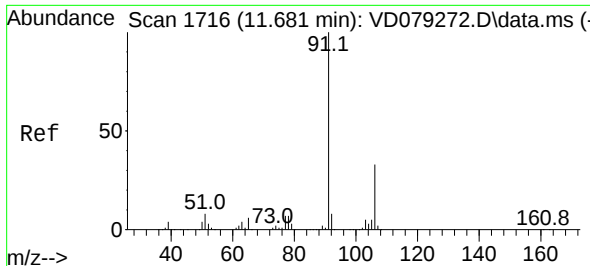
Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.7

77 53.3 42.6 64.0





#52

Ethylbenzene

Concen: 27.540 ug/L

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

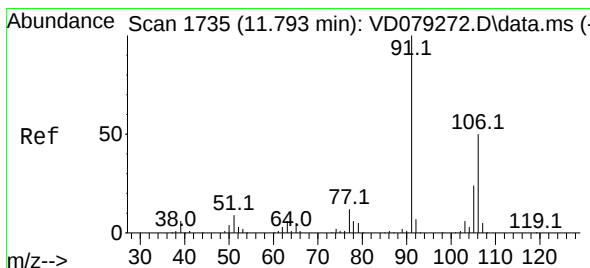
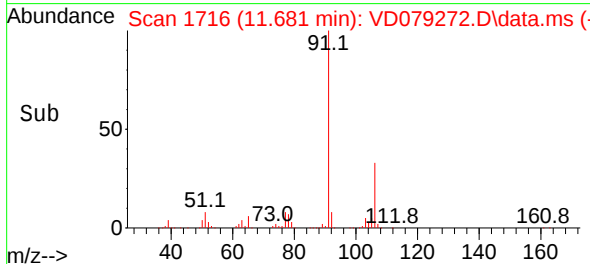
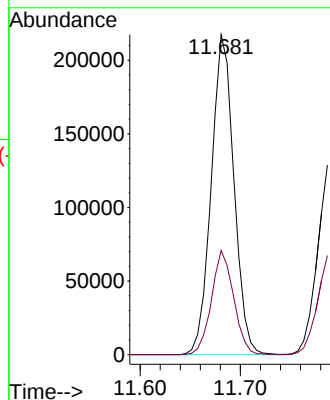
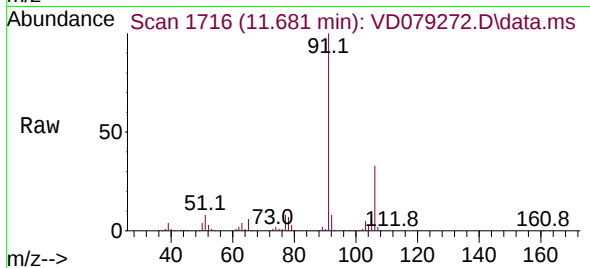
ClientSampleId :

Tgt Ion: 91 Resp: 341981

Ion Ratio Lower Upper

91 100

106 32.6 22.8 42.4



#53

m,p-Xylene

Concen: 28.034 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD079272.D

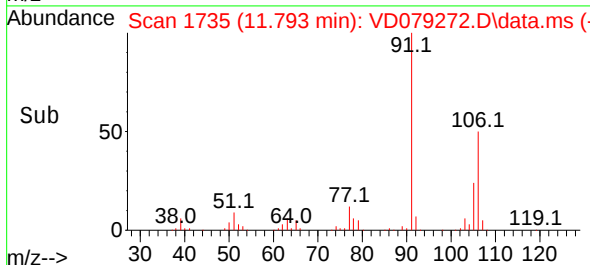
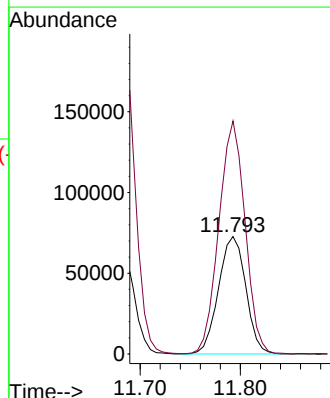
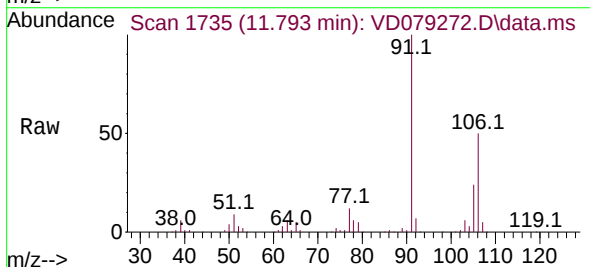
Acq: 27 Jun 2024 13:03

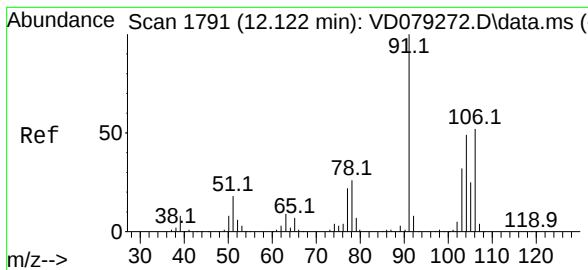
Tgt Ion:106 Resp: 137292

Ion Ratio Lower Upper

106 100

91 198.4 138.9 257.9

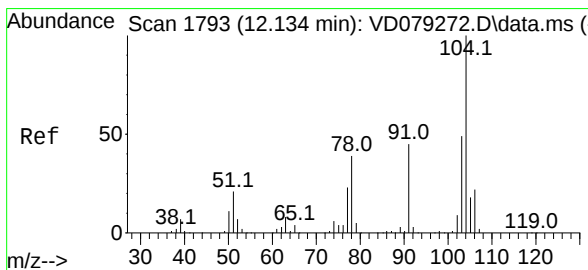
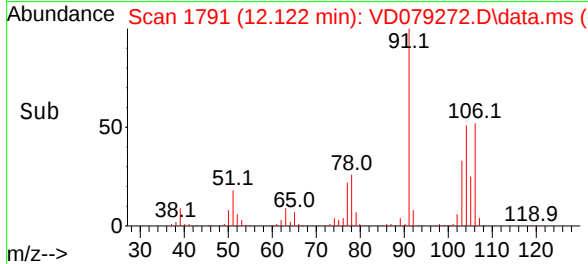
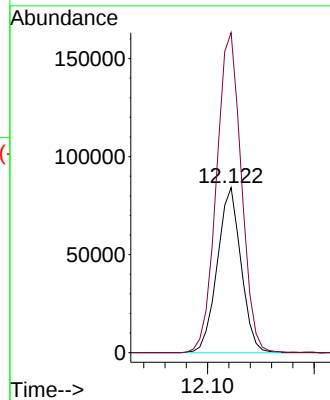
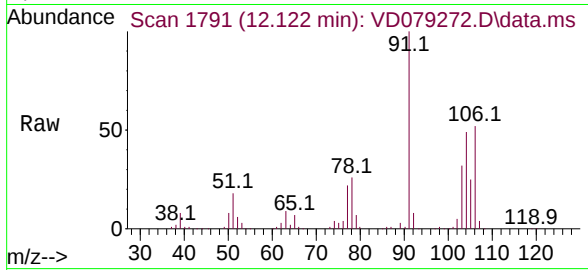




#54
o-Xylene
Concen: 26.432 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

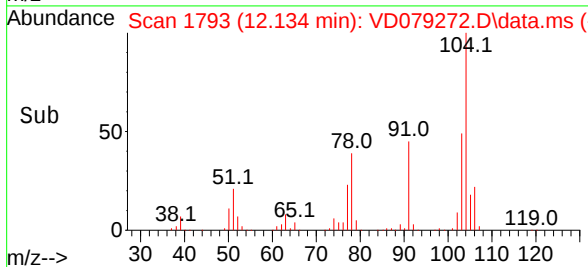
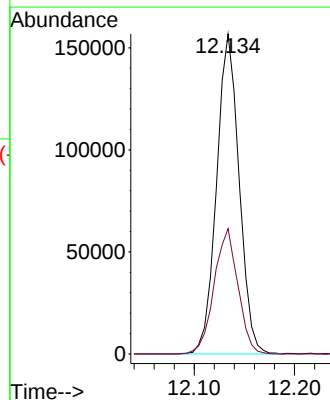
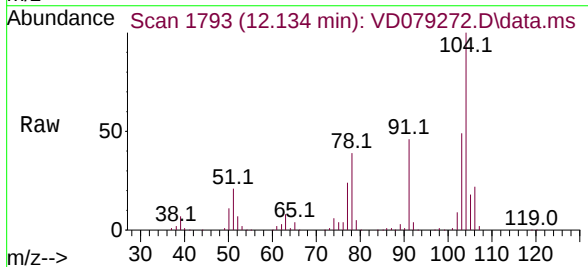
Instrument :
MSVOA_D
ClientSampleId :

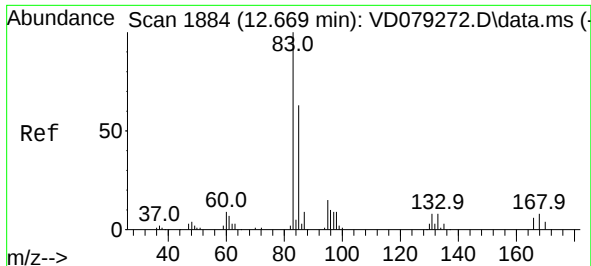
Tgt Ion:106 Resp: 130101
Ion Ratio Lower Upper
106 100
91 193.7 135.6 251.8



#55
Styrene
Concen: 27.830 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

Tgt Ion:104 Resp: 244999
Ion Ratio Lower Upper
104 100
78 39.1 27.4 50.8





#57

1,1,2,2-Tetrachloroethane

Concen: 25.812 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

ClientSampleId :

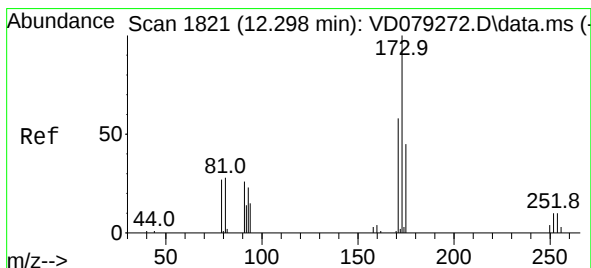
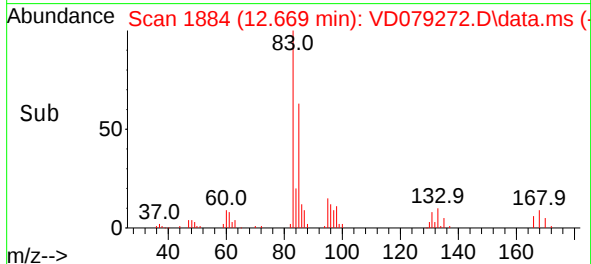
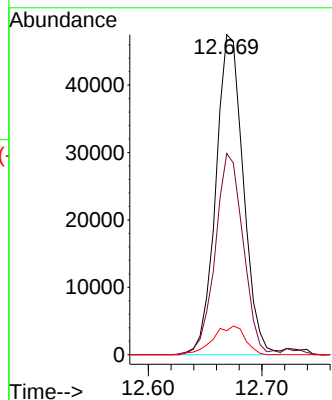
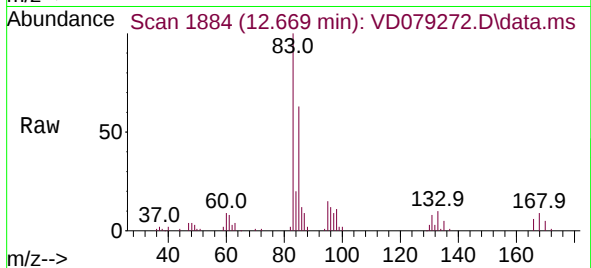
Tgt Ion: 83 Resp: 79902

Ion Ratio Lower Upper

83 100

85 62.9 44.0 81.8

131 7.5 6.0 9.0



#59

Bromoform

Concen: 24.260 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

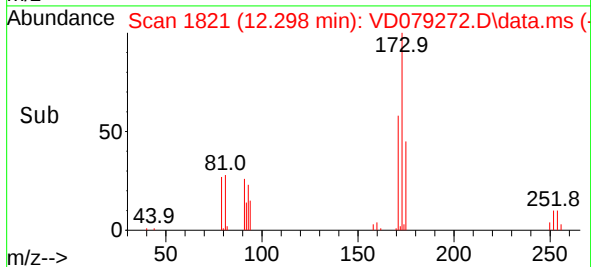
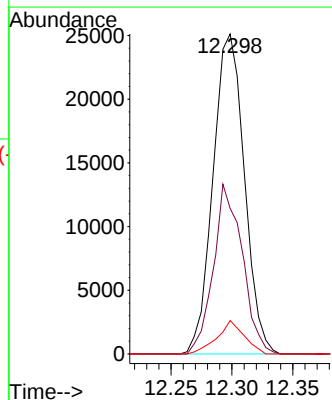
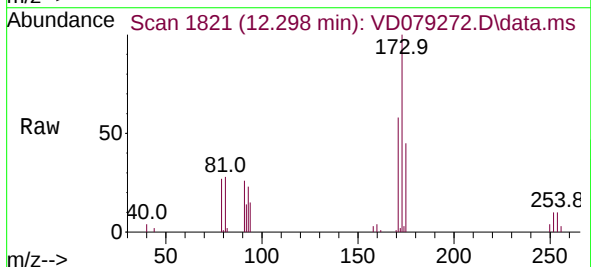
Tgt Ion:173 Resp: 44965

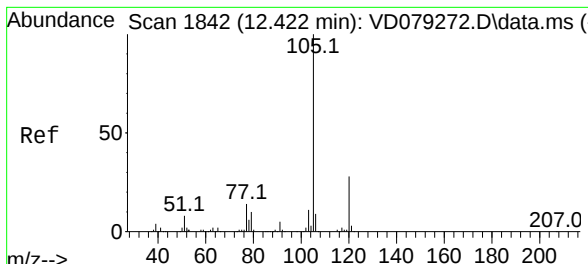
Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

254 9.1 7.3 10.9

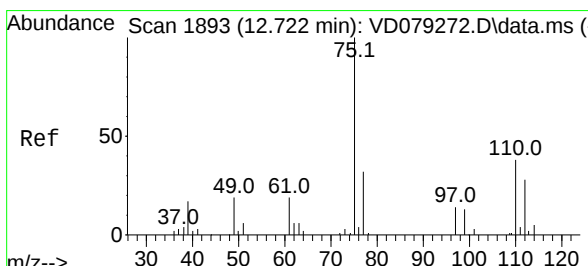
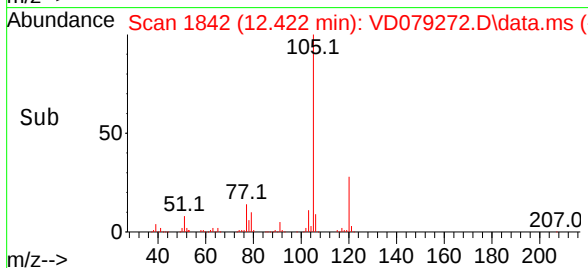
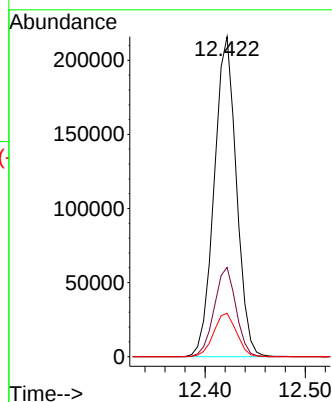
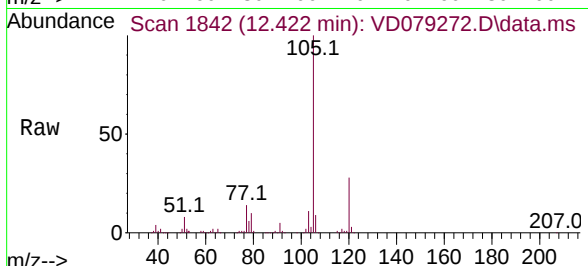




#60
Isopropylbenzene
Concen: 26.879 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

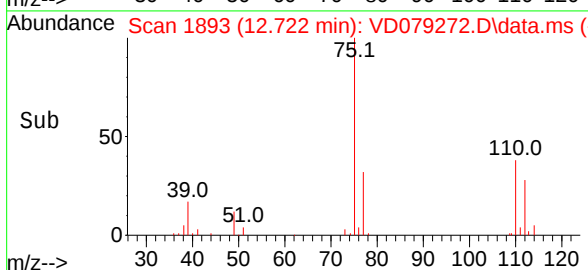
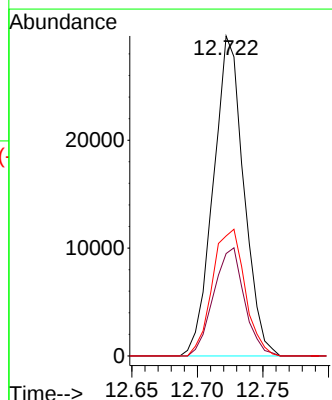
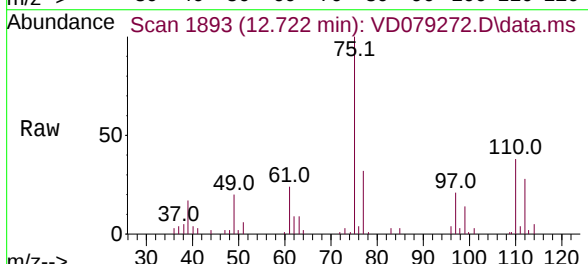
Instrument :
MSVOA_D
ClientSampleId :

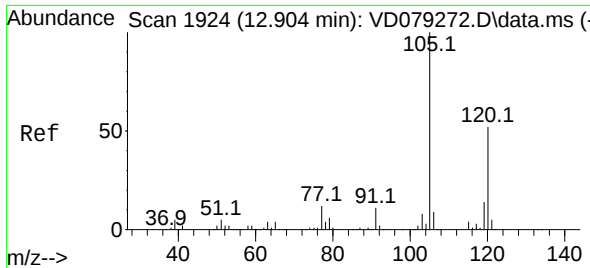
Tgt Ion:105 Resp: 331323
Ion Ratio Lower Upper
105 100
120 27.4 21.9 32.9
77 14.0 11.2 16.8



#61
1,2,3-Trichloropropane
Concen: 23.900 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

Tgt Ion: 75 Resp: 47883
Ion Ratio Lower Upper
75 100
77 34.1 27.3 40.9
110 42.5 34.0 51.0





#62

1,3,5-Trimethylbenzene

Concen: 26.343 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

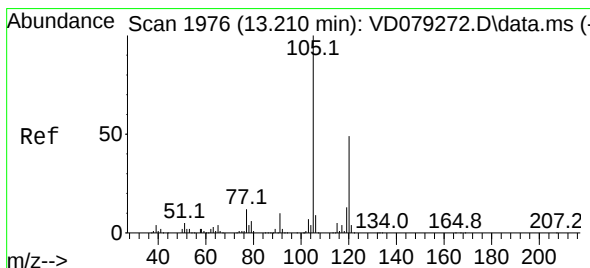
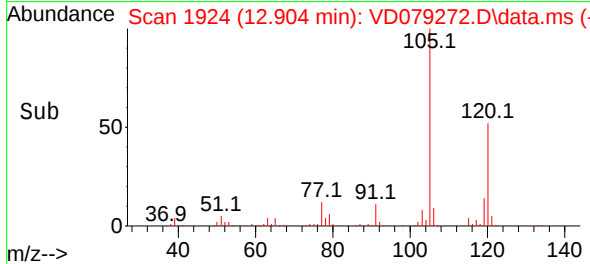
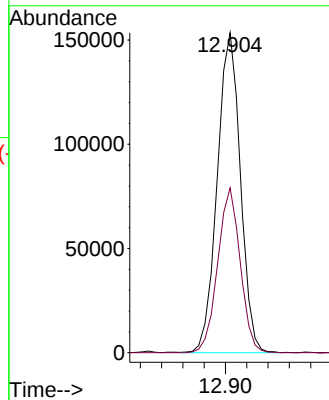
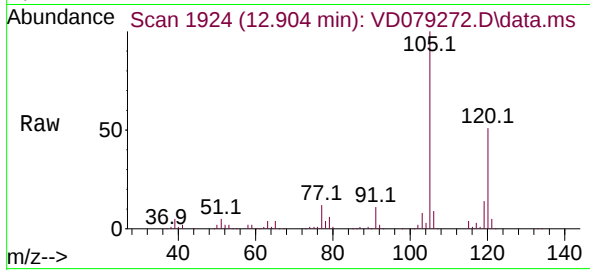
ClientSampleId :

Tgt Ion:105 Resp: 231053

Ion Ratio Lower Upper

105 100

120 50.0 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 27.281 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079272.D

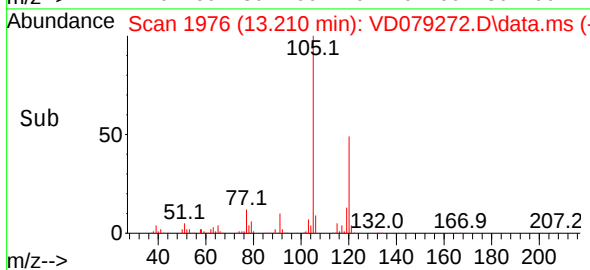
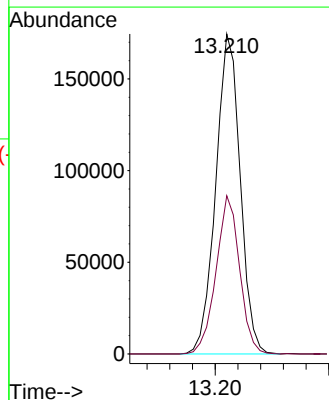
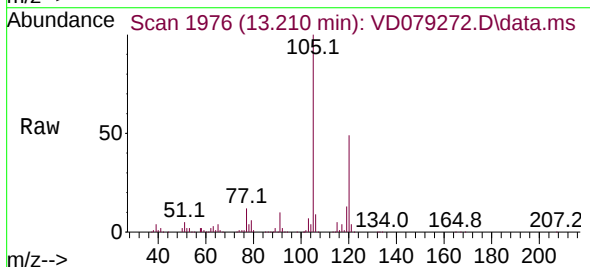
Acq: 27 Jun 2024 13:03

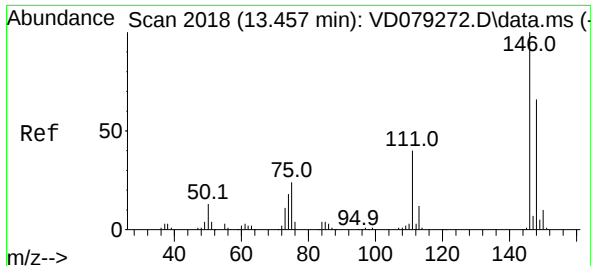
Tgt Ion:105 Resp: 260516

Ion Ratio Lower Upper

105 100

120 47.6 38.1 57.1





#64

1,3-Dichlorobenzene

Concen: 25.973 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

ClientSampleId :

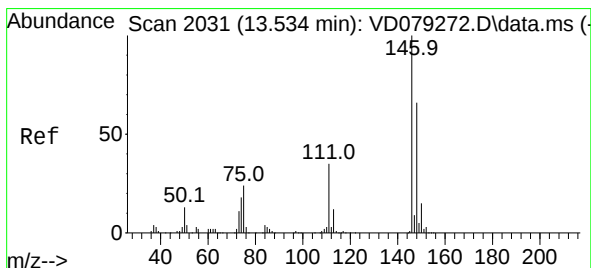
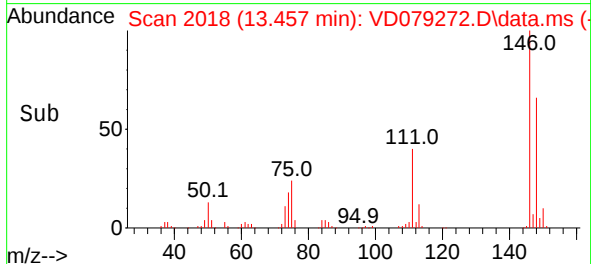
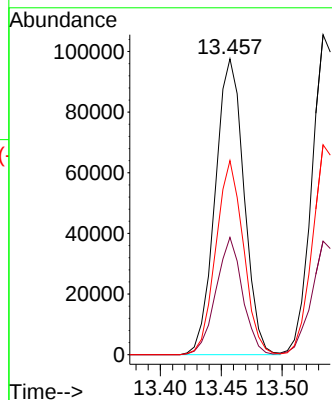
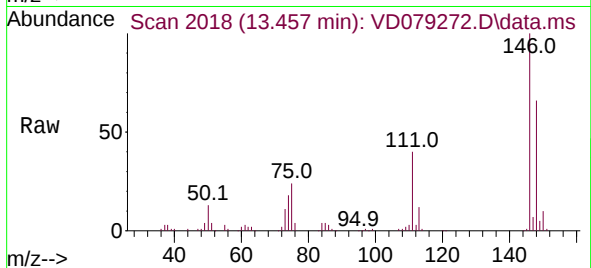
Tgt Ion:146 Resp: 160744

Ion Ratio Lower Upper

146 100

111 39.6 27.7 51.5

148 65.6 45.9 85.3



#65

1,4-Dichlorobenzene

Concen: 25.986 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

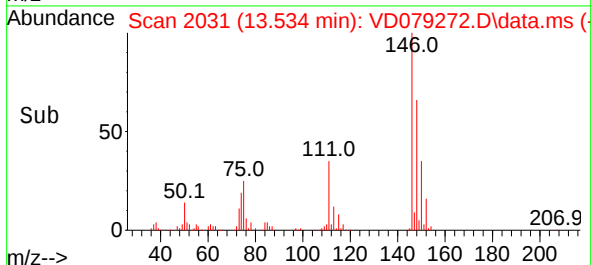
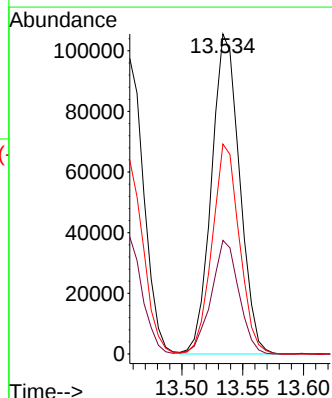
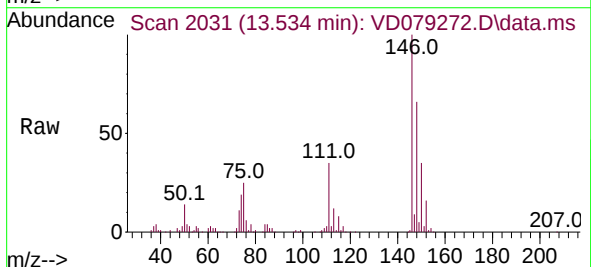
Tgt Ion:146 Resp: 169581

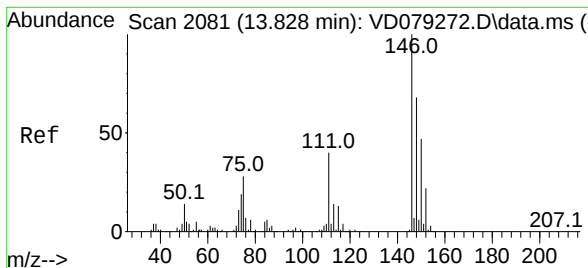
Ion Ratio Lower Upper

146 100

111 35.5 24.8 46.1

148 65.6 45.9 85.3

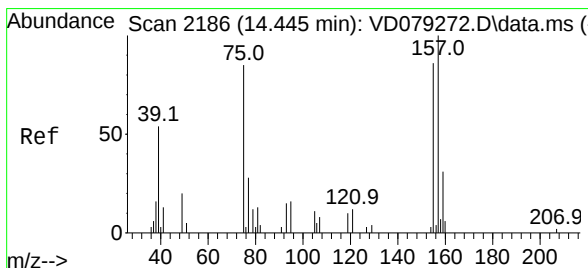
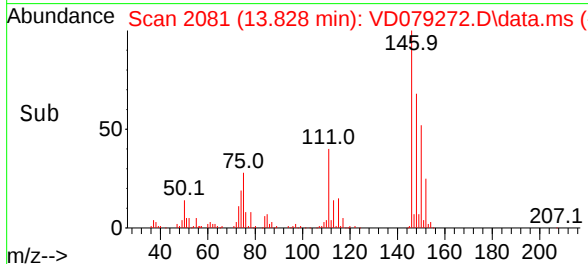
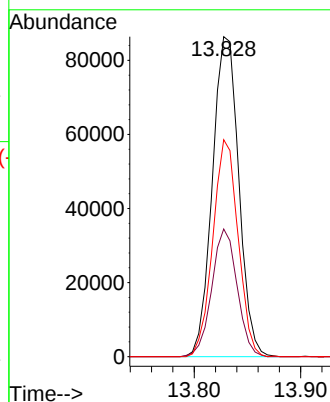
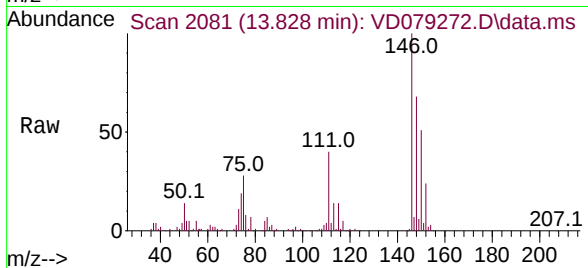




#67
1,2-Dichlorobenzene
Concen: 24.905 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

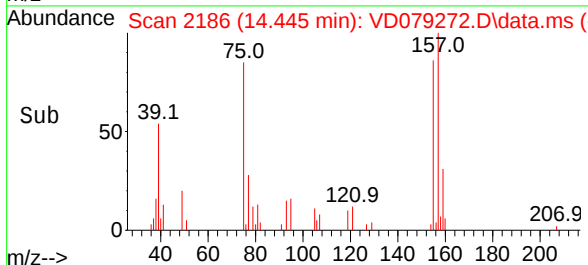
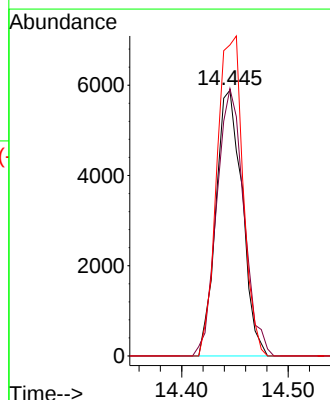
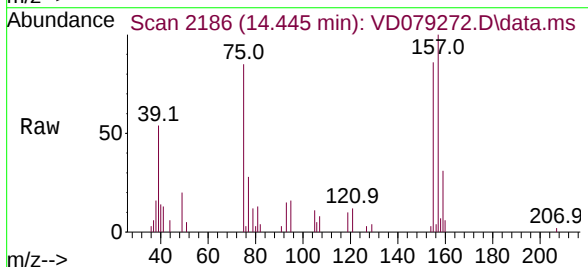
Instrument :
MSVOA_D
ClientSampleId :

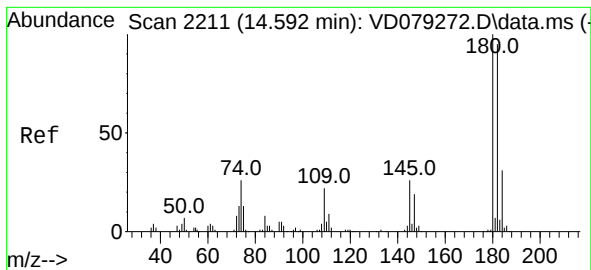
Tgt Ion:146 Resp: 148894
Ion Ratio Lower Upper
146 100
111 39.9 31.9 47.9
148 67.8 54.2 81.4



#68
1,2-Dibromo-3-chloropropane
Concen: 24.949 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD079272.D
Acq: 27 Jun 2024 13:03

Tgt Ion: 75 Resp: 10049
Ion Ratio Lower Upper
75 100
155 100.6 80.5 120.7
157 117.0 93.6 140.4





#69

1,3,5-Trichlorobenzene

Concen: 24.557 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

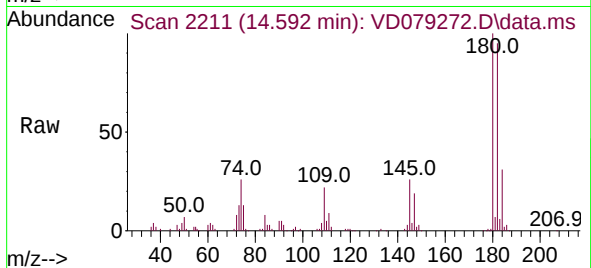
Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 94859

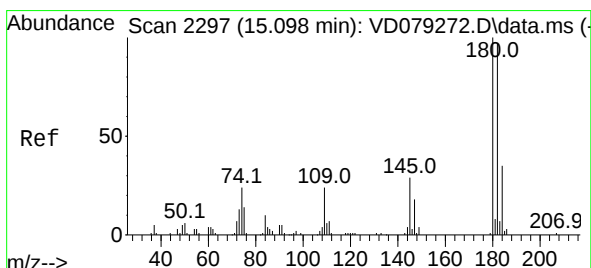
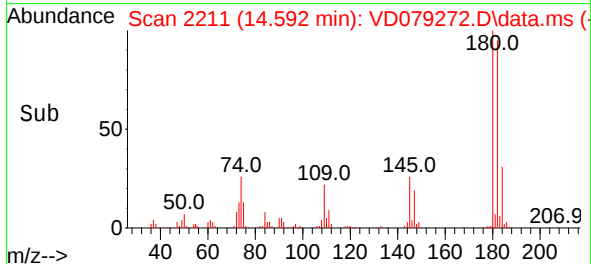
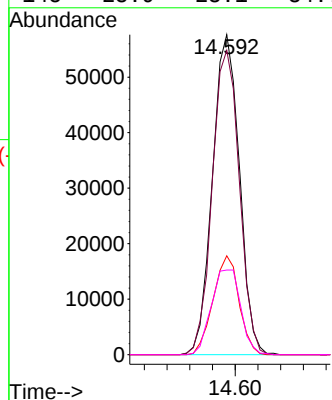
Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

184 29.8 23.8 35.8

145 28.9 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 24.878 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD079272.D

Acq: 27 Jun 2024 13:03

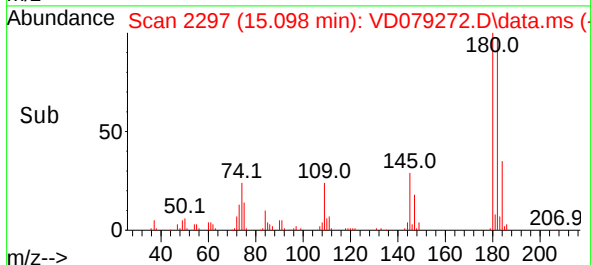
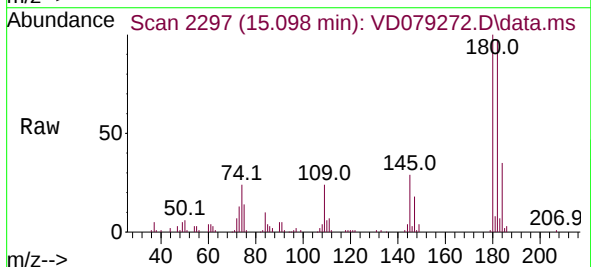
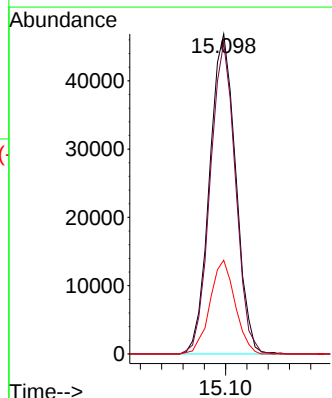
Tgt Ion:180 Resp: 79682

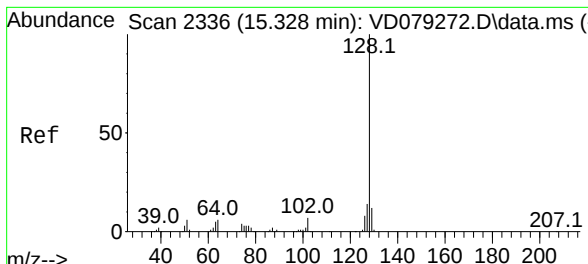
Ion Ratio Lower Upper

180 100

182 93.9 75.1 112.7

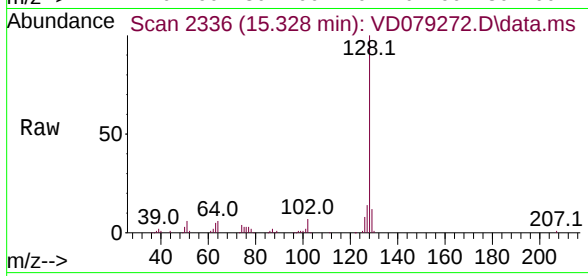
145 28.2 22.6 33.8





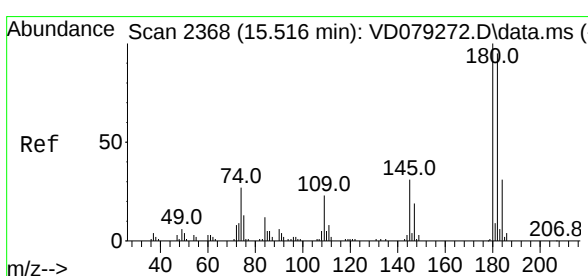
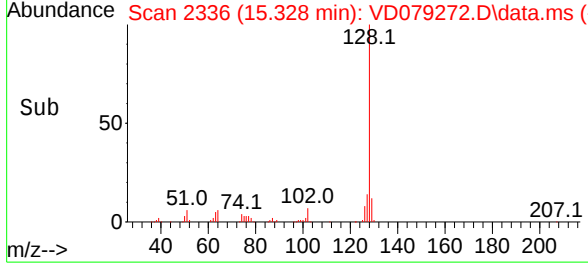
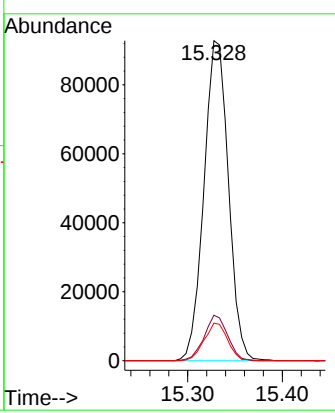
#71
 Naphthalene
 Concen: 23.985 ug/L
 RT: 15.328 min Scan# 2336
 Delta R.T. 0.000 min
 Lab File: VD079272.D
 Acq: 27 Jun 2024 13:03

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:128 Resp: 166756

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	11.1	8.9	13.3



#72
 1,2,3-Trichlorobenzene
 Concen: 25.220 ug/L
 RT: 15.516 min Scan# 2368
 Delta R.T. 0.000 min
 Lab File: VD079272.D
 Acq: 27 Jun 2024 13:03

Tgt Ion:180 Resp: 76791

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	31.2	25.0	37.4

