

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061825\
 Data File : VD080450.D
 Acq On : 18 Jun 2025 11:20
 Operator : RP/MD
 Sample : VSTD100
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD100886

Quant Time: Jun 19 08:38:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 19 08:34:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	239493	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	229183	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	131620	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	290300	70.06	ug/L	0.00
7) Chloroethane-d5	2.800	69	255855	72.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.918	65	113510	79.32	ug/L	0.00
21) 2-Butanone-d5	6.988	46	123473	169.52	ug/L	0.00
24) Chloroform-d	7.570	84	527698	75.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.229	65	264767	76.00	ug/L	0.00
32) Benzene-d6	8.200	84	1066746	82.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.211	67	328740	79.19	ug/L	0.00
41) Toluene-d8	10.270	98	1049854	85.93	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.523	79	146870	84.05	ug/L	0.00
47) 2-Hexanone-d5	10.876	63	119419	188.17	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.646	84	296436	79.91	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.811	152	387975	77.82	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.935	85	301979	79.30	ug/L	100
3) Chloromethane	2.147	50	263662	70.74	ug/L	100
5) Vinyl chloride	2.282	62	352410	79.77	ug/L	95
6) Bromomethane	2.694	94	241136	99.90	ug/L	97
8) Chloroethane	2.835	64	223735	75.44	ug/L	96
9) Trichlorofluoromethane	3.176	101	492619	83.25	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.965	101	309188	83.36	ug/L	97
12) 1,1-Dichloroethene	3.941	96	281590	88.37	ug/L	98
13) Acetone	4.018	43	92581	145.47	ug/L	100
14) Carbon disulfide	4.270	76	888092	82.78	ug/L	97
15) Methyl Acetate	4.565	43	124201	80.77	ug/L	99
16) Methylene chloride	4.800	84	299284	57.67	ug/L	98
17) trans-1,2-Dichloroethene	5.312	96	313815	88.53	ug/L	93
18) Methyl tert-butyl Ether	5.317	73	655566	95.18	ug/L	97
19) 1,1-Dichloroethane	6.112	63	519829	84.39	ug/L	98
20) cis-1,2-Dichloroethene	7.076	96	349136	92.85	ug/L	96
22) 2-Butanone	7.076	43	157625	181.39	ug/L	99
23) Bromochloromethane	7.429	128	167220	85.88	ug/L	94
25) Chloroform	7.600	83	575752	83.46	ug/L	96
27) 1,2-Dichloroethane	8.329	62	332135	84.34	ug/L	97
29) Cyclohexane	7.876	56	518293	105.71	ug/L	97
30) 1,1,1-Trichloroethane	7.794	97	478935	85.34	ug/L	99
31) Carbon tetrachloride	7.994	117	449140	85.79	ug/L	99
33) Benzene	8.253	78	1209813	88.37	ug/L	100
34) Trichloroethene	9.029	95	331918	86.73	ug/L	92
35) Methylcyclohexane	9.276	83	558039	99.07	ug/L	98
37) 1,2-Dichloropropane	9.305	63	319680	85.01	ug/L	100
38) Bromodichloromethane	9.588	83	412490	84.67	ug/L #	99
39) cis-1,3-Dichloropropene	10.017	75	530957	95.09	ug/L	96
40) 4-Methyl-2-pentanone	10.158	43	374913	197.74	ug/L	99
42) Toluene	10.335	91	1401528	93.52	ug/L	95
44) trans-1,3-Dichloropropene	10.552	75	446963	92.80	ug/L	97

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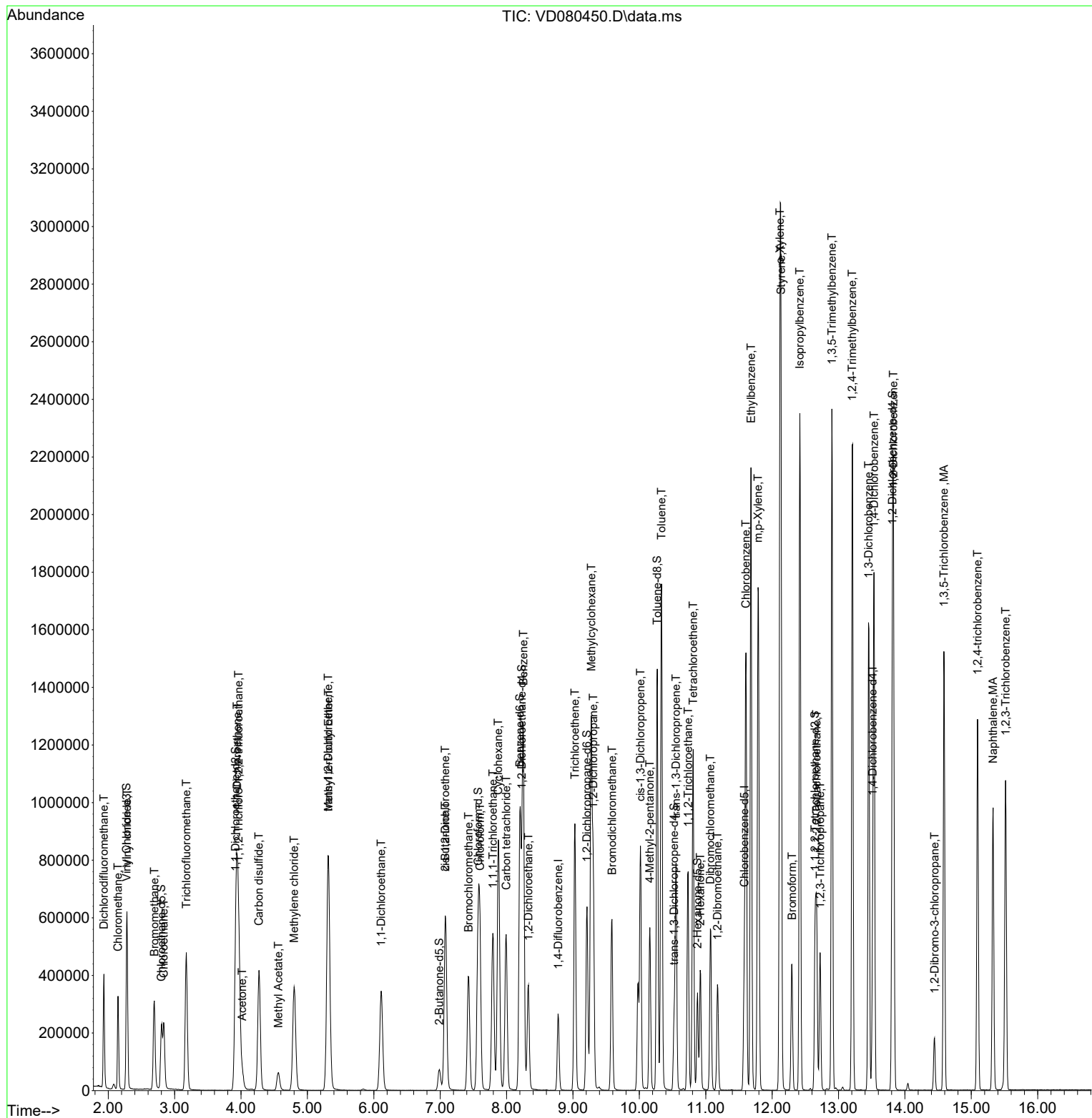
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.735	97	260007	84.73	ug/L	94
46) Tetrachloroethene	10.811	164	298174	88.91	ug/L	96
48) 2-Hexanone	10.917	43	263731	190.11	ug/L	97
49) Dibromochloromethane	11.070	129	320293	87.58	ug/L	99
50) 1,2-Dibromoethane	11.176	107	254995	87.99	ug/L	95
51) Chlorobenzene	11.605	112	890896	87.07	ug/L	99
52) Ethylbenzene	11.682	91	1544370	96.04	ug/L	99
53) m,p-Xylene	11.788	106	600114	96.46	ug/L	96
54) o-Xylene	12.117	106	584441	98.17	ug/L	97
55) Styrene	12.135	104	1036967	97.72	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.670	83	307643	86.35	ug/L	96
59) Bromoform	12.299	173	214108	80.14	ug/L	97
60) Isopropylbenzene	12.417	105	1579794	93.87	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	208211	79.32	ug/L	98
62) 1,3,5-Trimethylbenzene	12.899	105	1268132	96.53	ug/L	99
63) 1,2,4-Trimethylbenzene	13.205	105	1258162	96.89	ug/L	99
64) 1,3-Dichlorobenzene	13.452	146	745519	84.74	ug/L	96
65) 1,4-Dichlorobenzene	13.535	146	756082	82.74	ug/L	99
67) 1,2-Dichlorobenzene	13.829	146	685602	83.96	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.446	75	46782	78.68	ug/L	95
69) 1,3,5-Trichlorobenzene	14.588	180	511561	84.70	ug/L	99
70) 1,2,4-trichlorobenzene	15.093	180	445181	87.58	ug/L	99
71) Naphthalene	15.329	128	862321	95.48	ug/L	99
72) 1,2,3-Trichlorobenzene	15.517	180	407675	86.66	ug/L	99

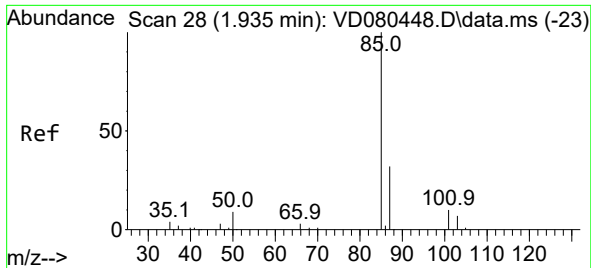
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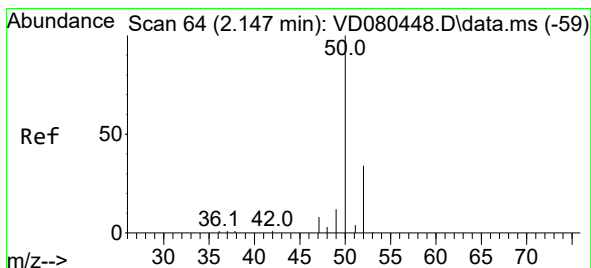
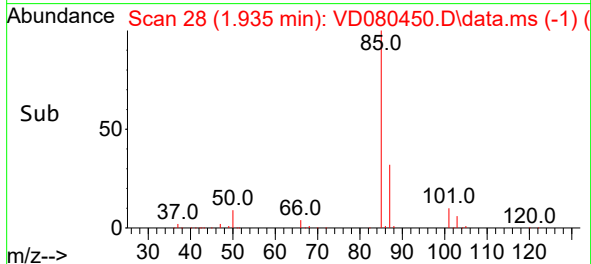
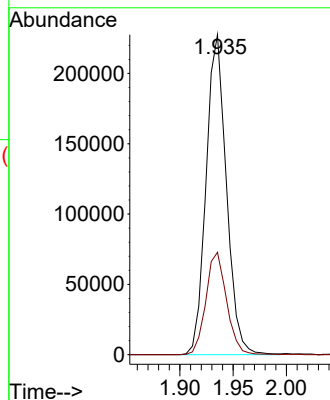
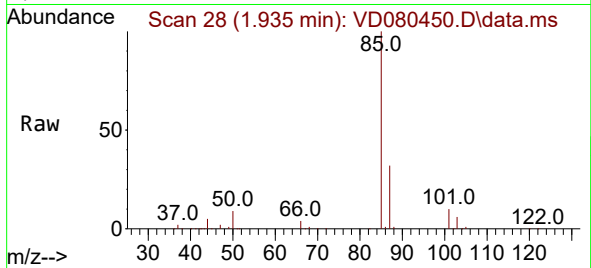




#2
Dichlorodifluoromethane
Concen: 79.30 ug/L
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

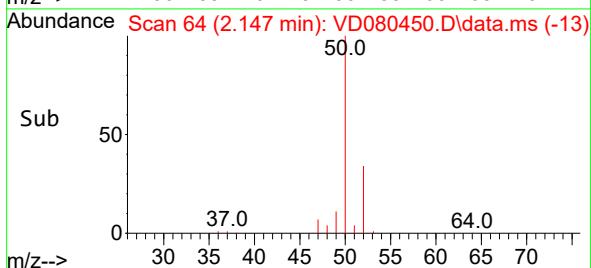
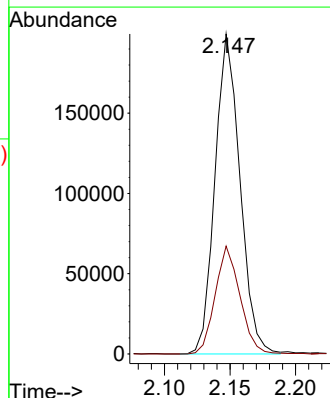
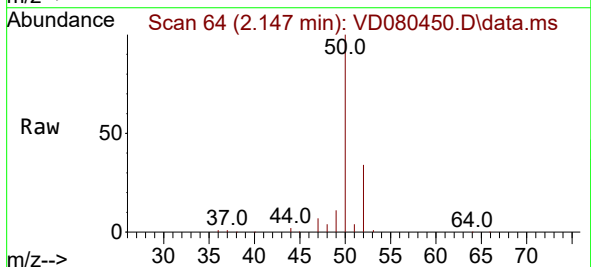
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

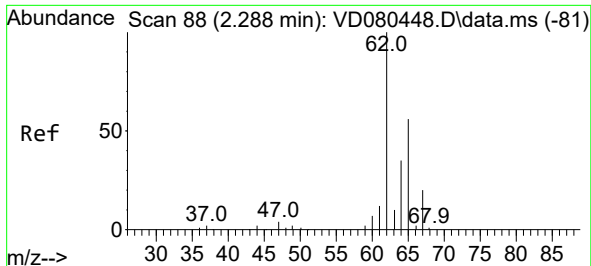
Tgt Ion: 85 Resp: 301979
Ion Ratio Lower Upper
85 100
87 32.6 25.9 38.9



#3
Chloromethane
Concen: 70.74 ug/L
RT: 2.147 min Scan# 64
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion: 50 Resp: 263662
Ion Ratio Lower Upper
50 100
52 33.7 23.8 44.2

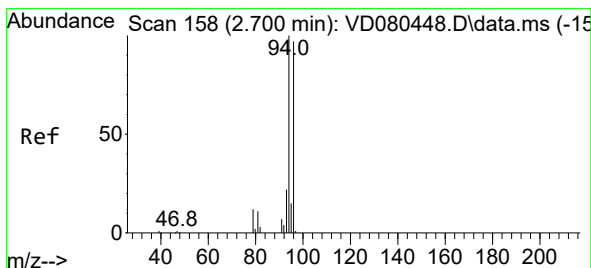
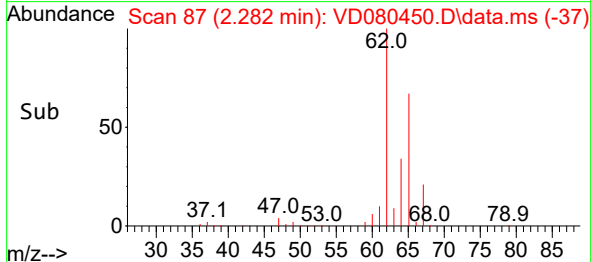
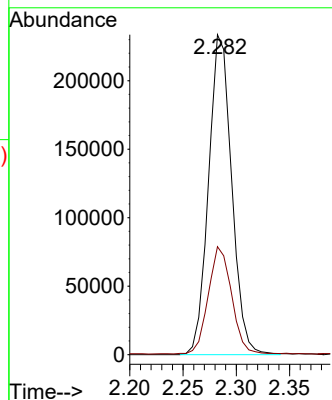
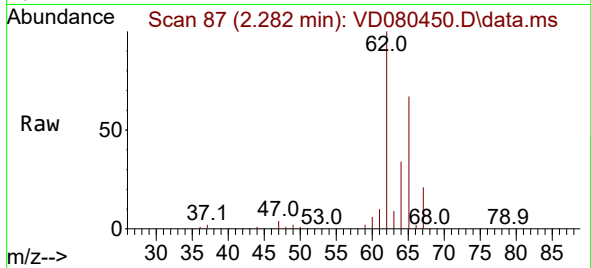




#5
 Vinyl chloride
 Concen: 79.77 ug/L
 RT: 2.282 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VD080450.D
 Acq: 18 Jun 2025 11:20

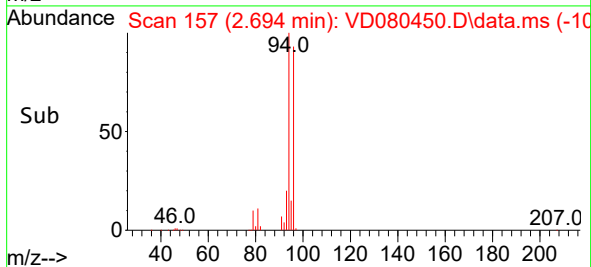
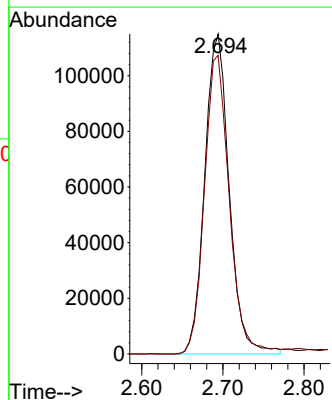
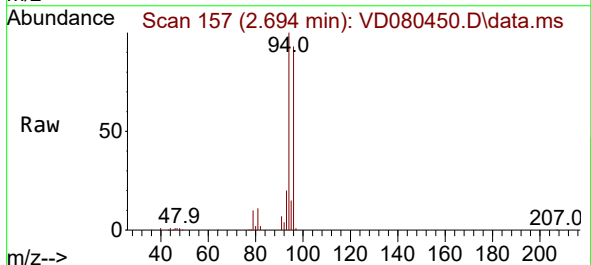
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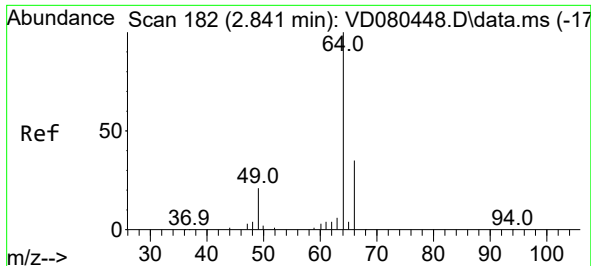
Tgt Ion: 62 Resp: 352410
 Ion Ratio Lower Upper
 62 100
 64 33.7 25.6 47.6



#6
 Bromomethane
 Concen: 99.90 ug/L
 RT: 2.694 min Scan# 157
 Delta R.T. -0.006 min
 Lab File: VD080450.D
 Acq: 18 Jun 2025 11:20

Tgt Ion: 94 Resp: 241136
 Ion Ratio Lower Upper
 94 100
 96 93.3 67.6 125.6

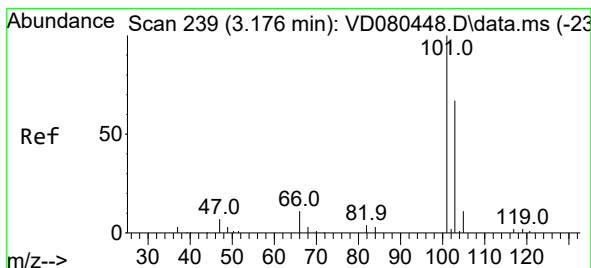
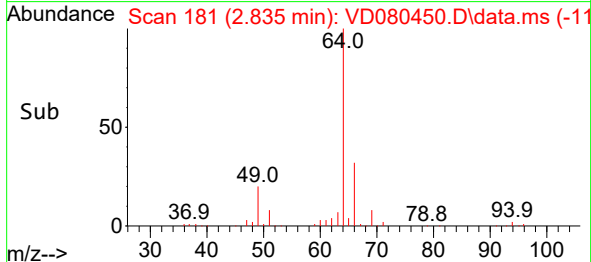
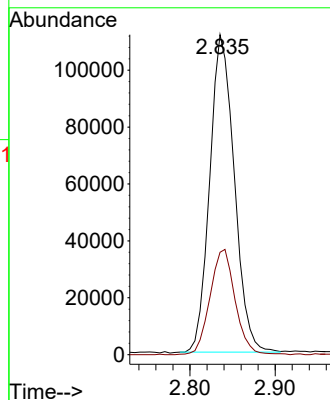
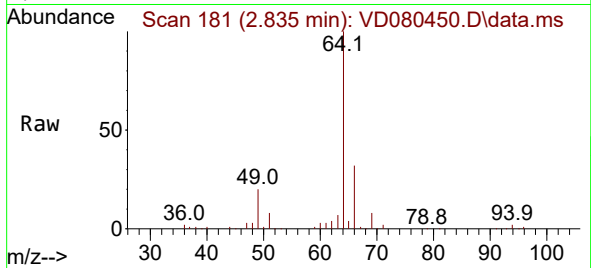




#8
Chloroethane
Concen: 75.44 ug/L
RT: 2.835 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

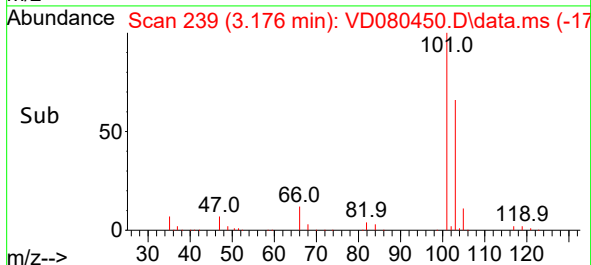
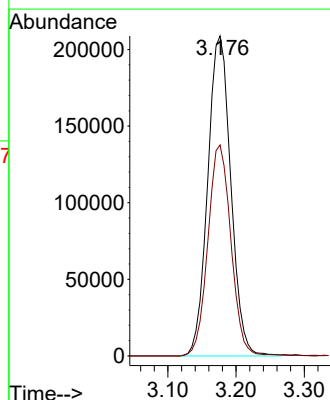
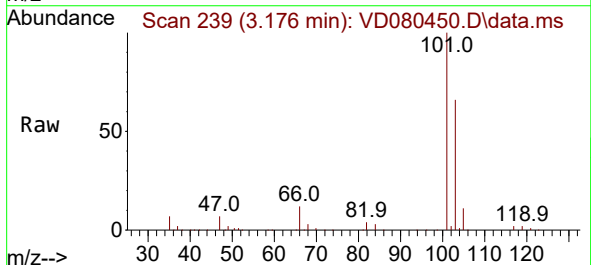
Instrument :
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ClientSampleId :
VSTD100886

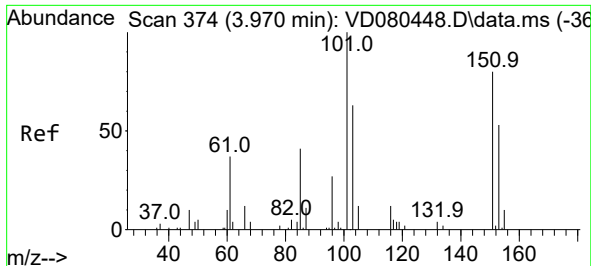
Tgt Ion: 64 Resp: 223735
Ion Ratio Lower Upper
64 100
66 32.0 23.9 44.3



#9
Trichlorofluoromethane
Concen: 83.25 ug/L
RT: 3.176 min Scan# 239
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion:101 Resp: 492619
Ion Ratio Lower Upper
101 100
103 65.4 51.0 76.4

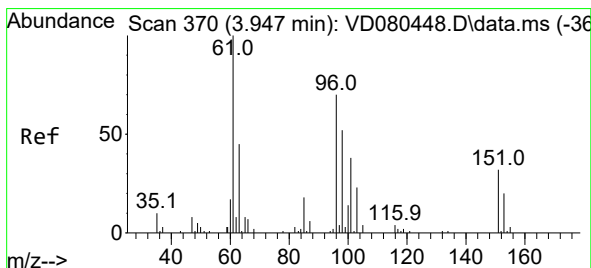
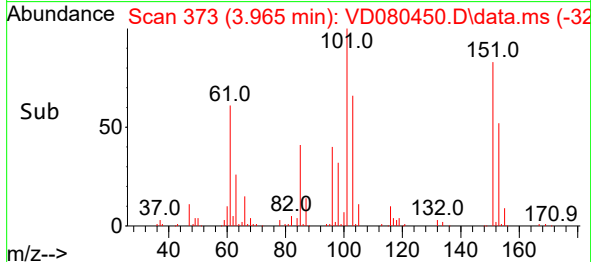
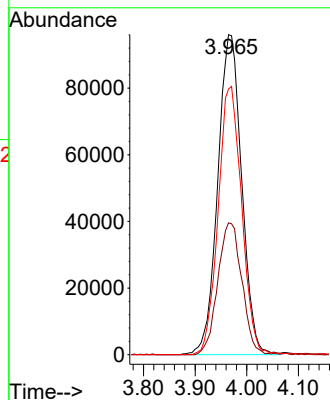
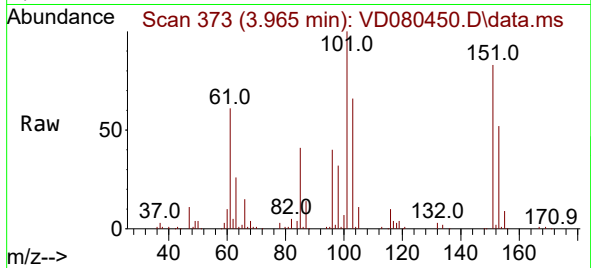




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 83.36 ug/L
RT: 3.965 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

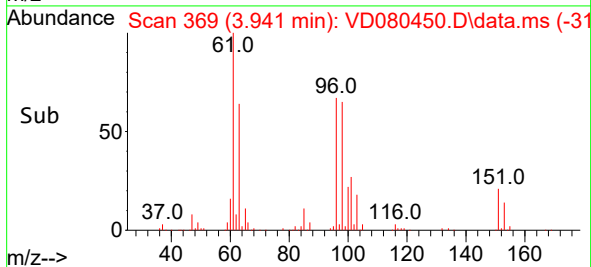
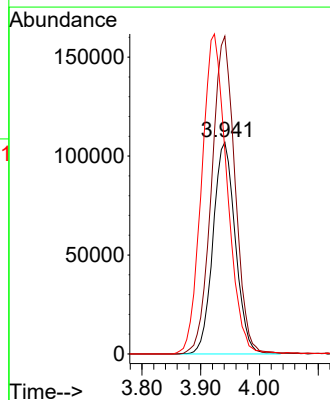
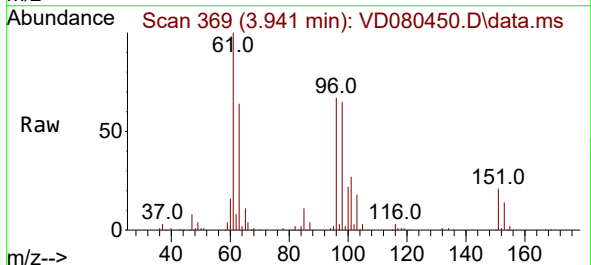
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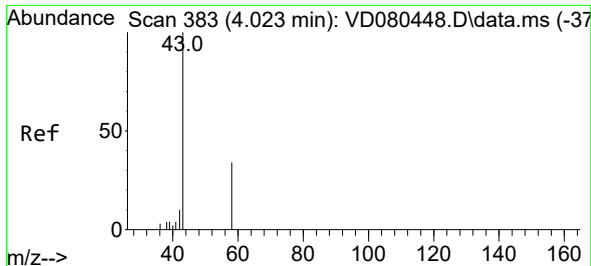
Tgt Ion:101 Resp: 309188
Ion Ratio Lower Upper
101 100
85 41.3 32.0 48.0
151 82.2 63.7 95.5



#12
1,1-Dichloroethene
Concen: 88.37 ug/L
RT: 3.941 min Scan# 369
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion: 96 Resp: 281590
Ion Ratio Lower Upper
96 100
61 150.1 103.0 191.4
63 96.1 66.4 123.2





#13

Acetone

Concen: 145.47 ug/L

RT: 4.018 min Scan# 382

Delta R.T. -0.006 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

Instrument :

MSVOA_D

ClientSampleId :

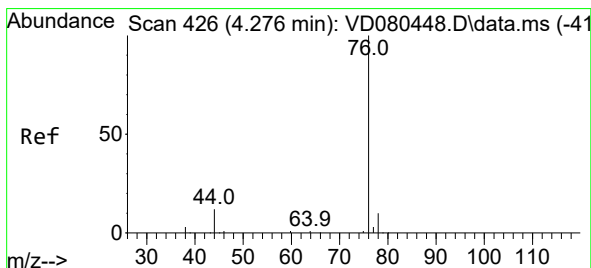
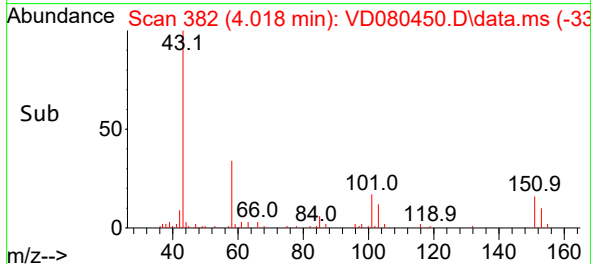
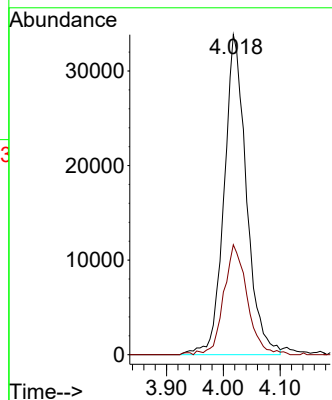
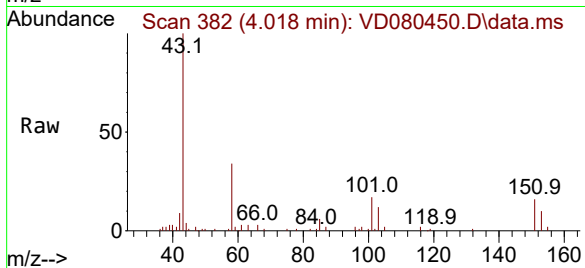
VSTD100886

Tgt Ion: 43 Resp: 92581

Ion Ratio Lower Upper

43 100

58 35.7 0.0 71.0



#14

Carbon disulfide

Concen: 82.78 ug/L

RT: 4.270 min Scan# 425

Delta R.T. -0.006 min

Lab File: VD080450.D

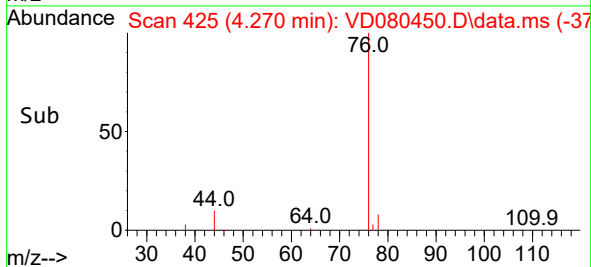
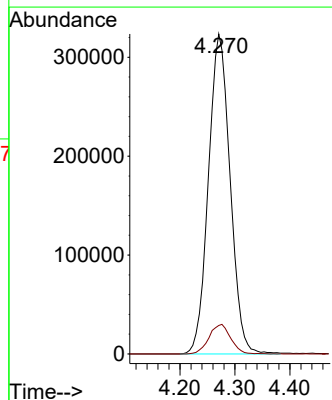
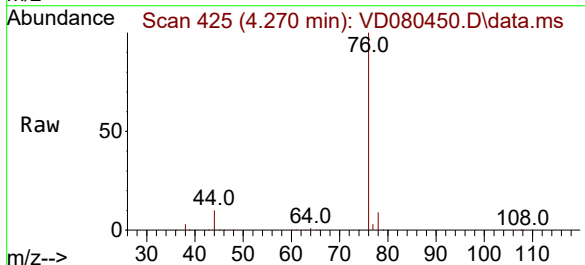
Acq: 18 Jun 2025 11:20

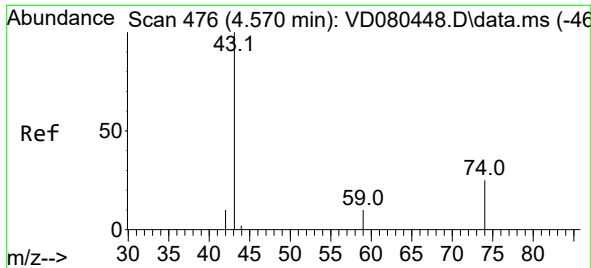
Tgt Ion: 76 Resp: 888092

Ion Ratio Lower Upper

76 100

78 8.9 7.9 11.9

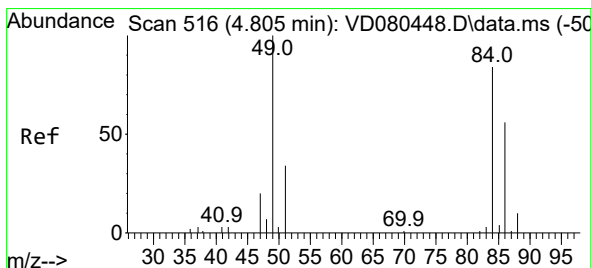
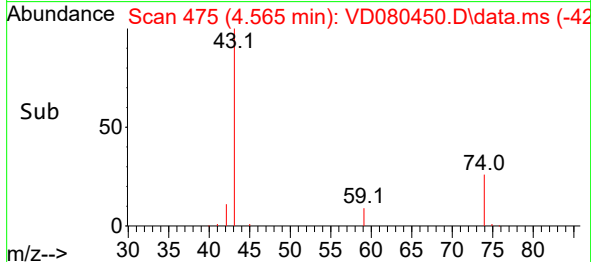
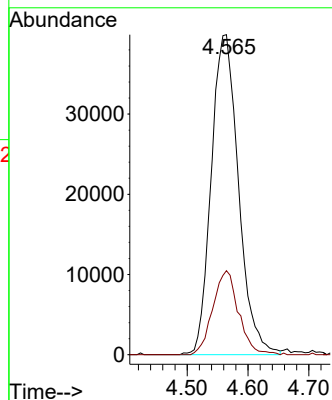
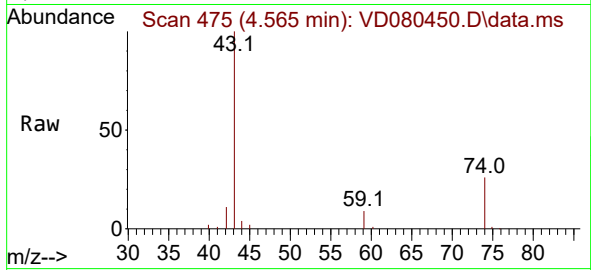




#15
Methyl Acetate
Concen: 80.77 ug/L
RT: 4.565 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

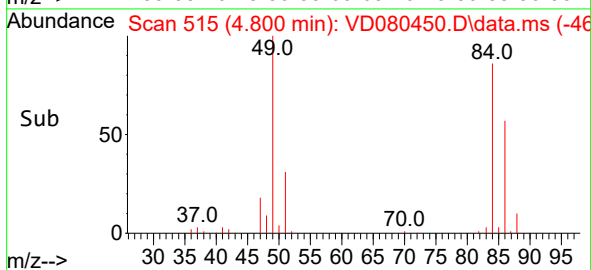
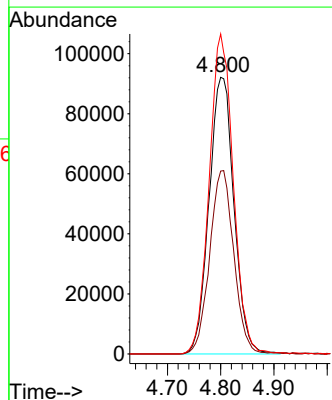
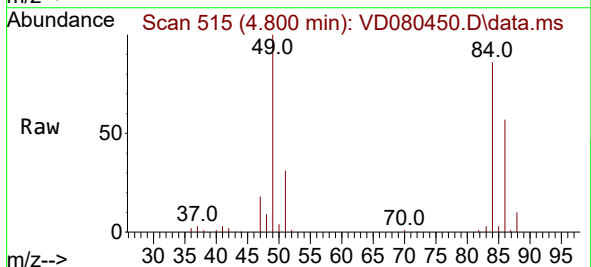
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

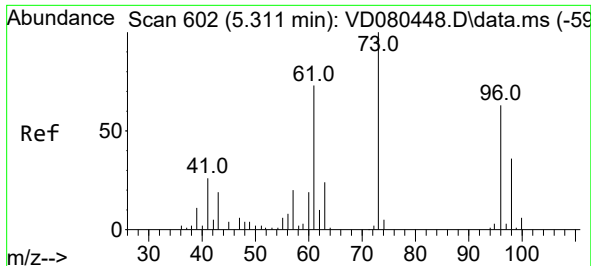
Tgt Ion: 43 Resp: 124201
Ion Ratio Lower Upper
43 100
74 24.7 20.3 30.5



#16
Methylene chloride
Concen: 57.67 ug/L
RT: 4.800 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion: 84 Resp: 299284
Ion Ratio Lower Upper
84 100
86 66.1 46.7 86.7
49 115.7 83.0 154.1





#17

trans-1,2-Dichloroethene

Concen: 88.53 ug/L

RT: 5.312 min Scan# 602

Delta R.T. 0.000 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD100886

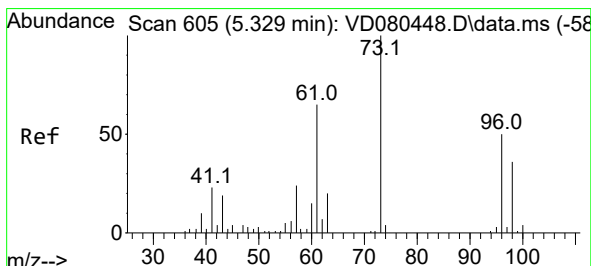
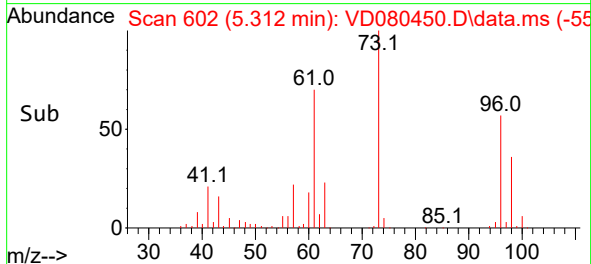
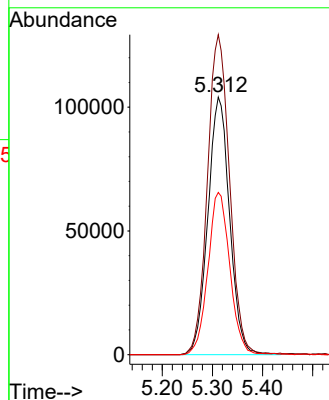
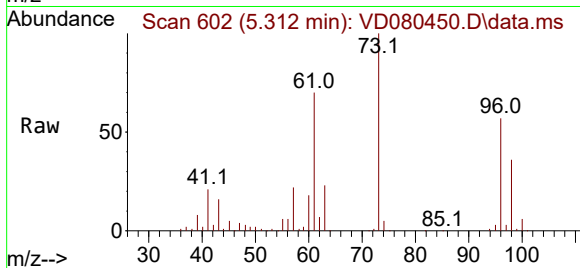
Tgt Ion: 96 Resp: 313815

Ion Ratio Lower Upper

96 100

61 124.2 82.0 152.2

98 63.0 40.3 74.8



#18

Methyl tert-butyl Ether

Concen: 95.18 ug/L

RT: 5.317 min Scan# 603

Delta R.T. -0.011 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

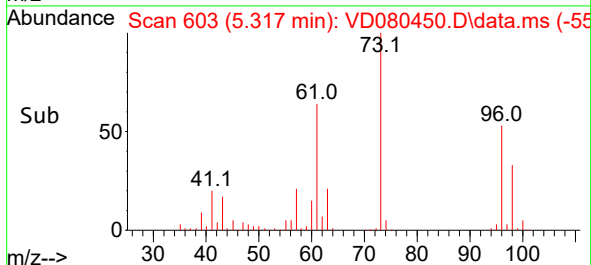
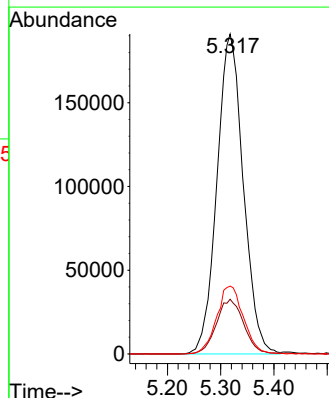
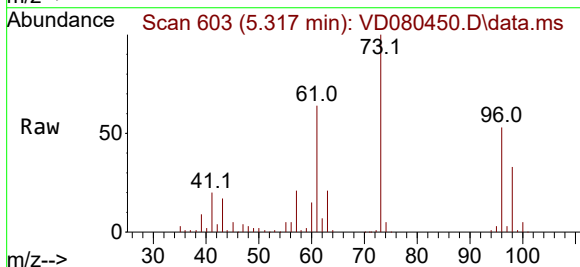
Tgt Ion: 73 Resp: 655566

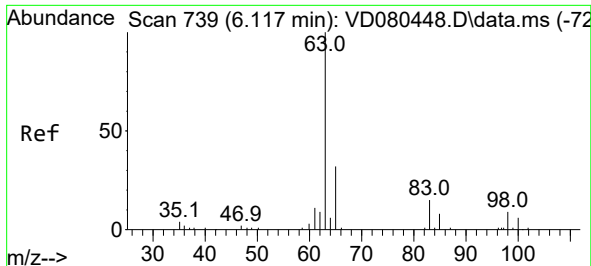
Ion Ratio Lower Upper

73 100

43 17.8 15.8 23.8

57 21.5 17.6 26.4





#19

1,1-Dichloroethane

Concen: 84.39 ug/L

RT: 6.112 min Scan# 71

Delta R.T. -0.006 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD100886

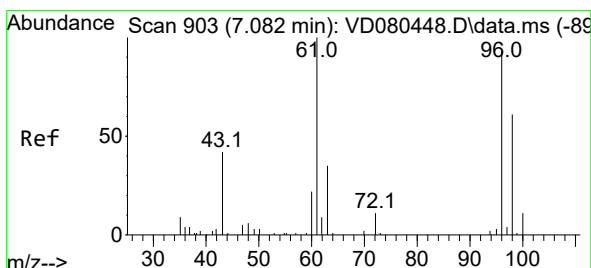
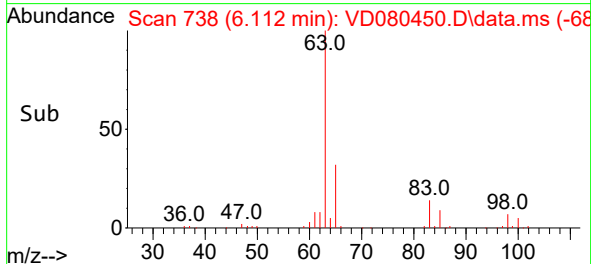
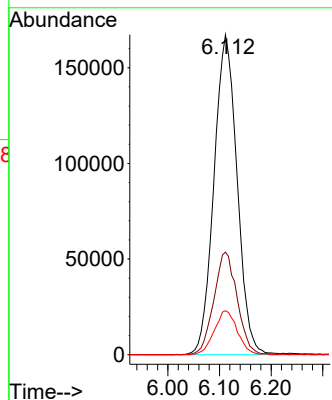
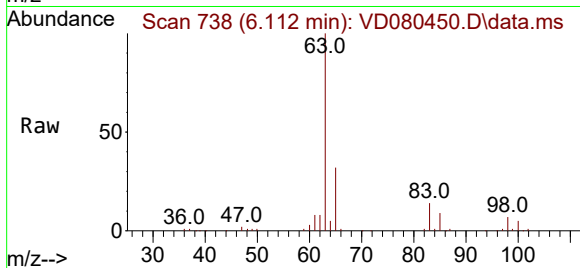
Tgt Ion: 63 Resp: 519829

Ion Ratio Lower Upper

63 100

65 32.1 22.0 41.0

83 13.8 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 92.85 ug/L

RT: 7.076 min Scan# 902

Delta R.T. -0.006 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

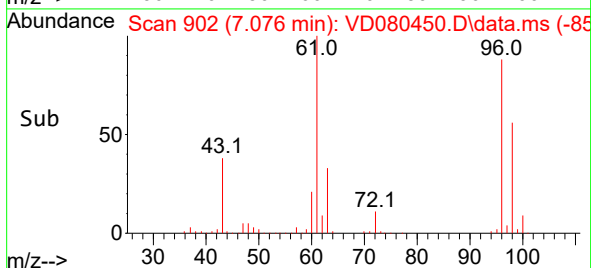
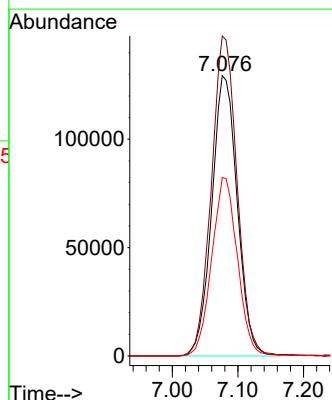
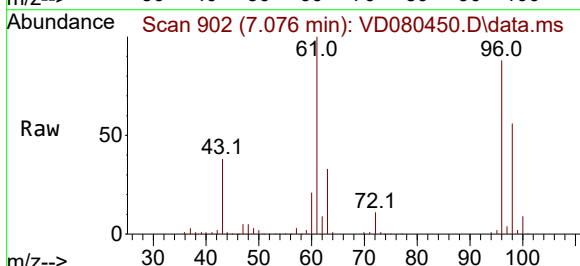
Tgt Ion: 96 Resp: 349136

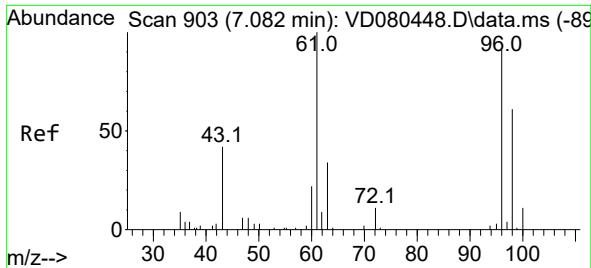
Ion Ratio Lower Upper

96 100

61 114.2 75.8 140.8

98 63.6 45.9 85.3

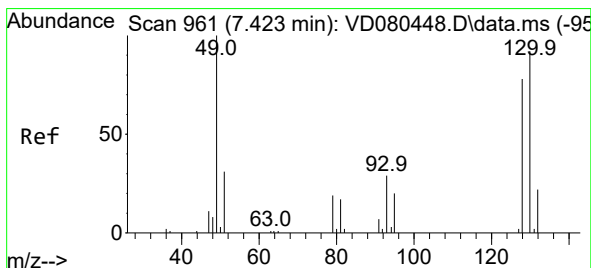
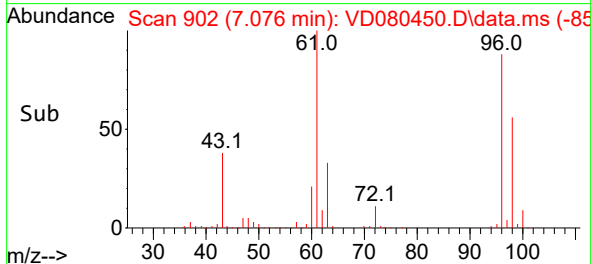
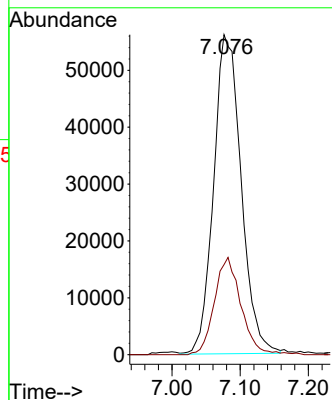
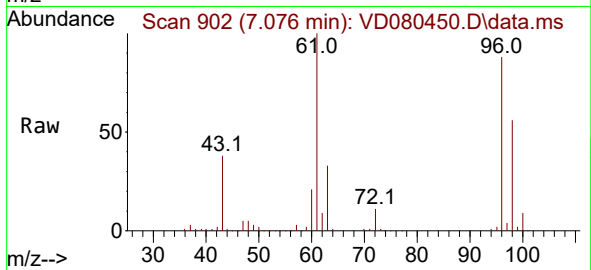




#22
2-Butanone
Concen: 181.39 ug/L
RT: 7.076 min Scan# 903
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

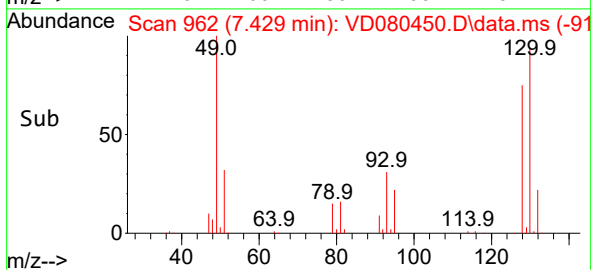
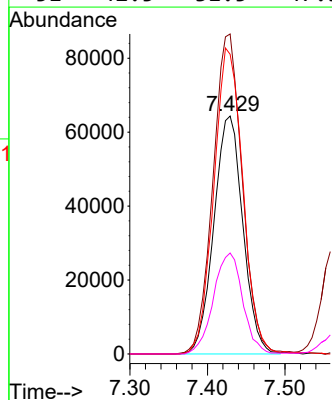
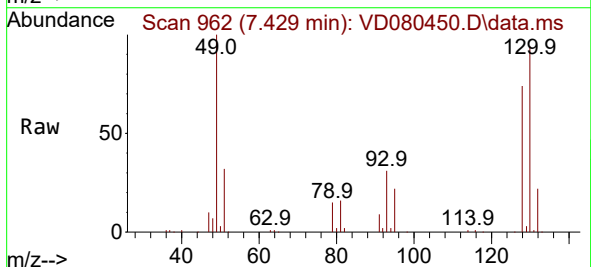
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

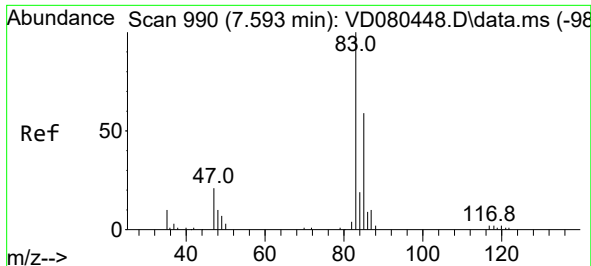
Tgt Ion: 43 Resp: 157625
Ion Ratio Lower Upper
43 100
72 29.2 14.9 44.5



#23
Bromochloromethane
Concen: 85.88 ug/L
RT: 7.429 min Scan# 962
Delta R.T. 0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion:128 Resp: 167220
Ion Ratio Lower Upper
128 100
49 134.5 89.5 166.3
130 126.0 82.5 153.1
51 42.5 31.5 47.3

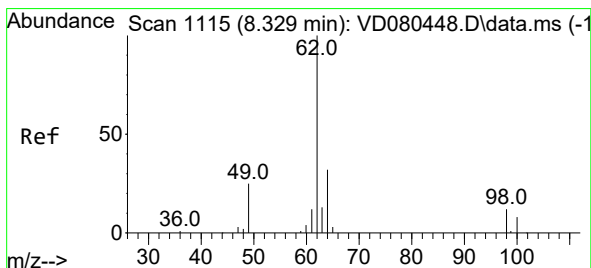
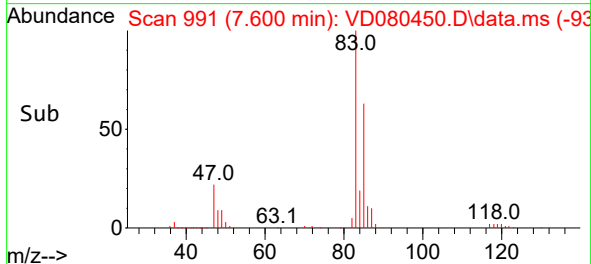
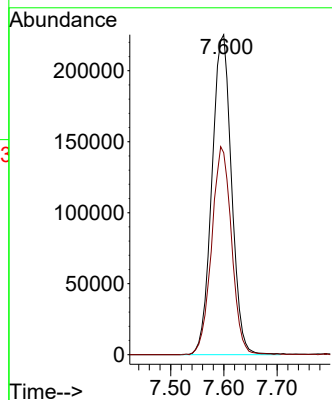
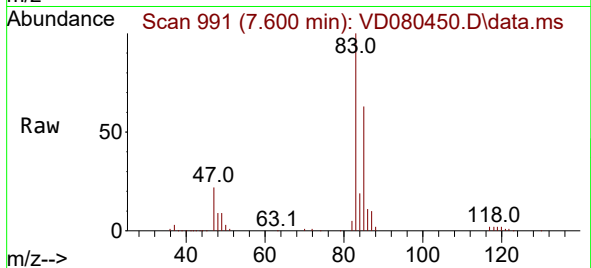




#25
Chloroform
Concen: 83.46 ug/L
RT: 7.600 min Scan# 991
Delta R.T. 0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

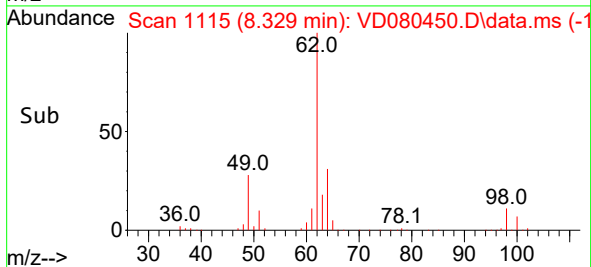
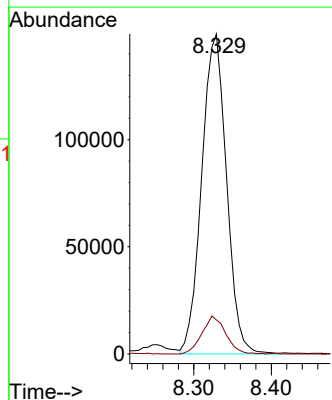
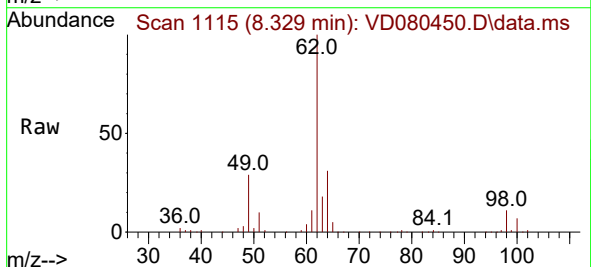
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

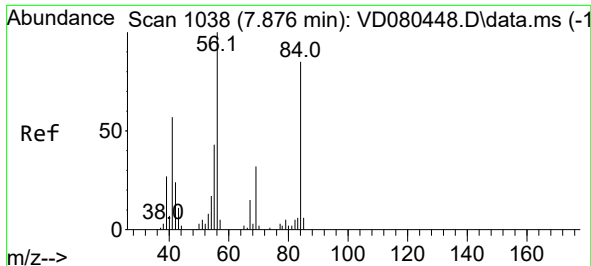
Tgt Ion: 83 Resp: 575752
Ion Ratio Lower Upper
83 100
85 63.1 42.0 78.0



#27
1,2-Dichloroethane
Concen: 84.34 ug/L
RT: 8.329 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion: 62 Resp: 332135
Ion Ratio Lower Upper
62 100
98 10.7 9.4 14.2





#29

Cyclohexane

Concen: 105.71 ug/L

RT: 7.876 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD100886

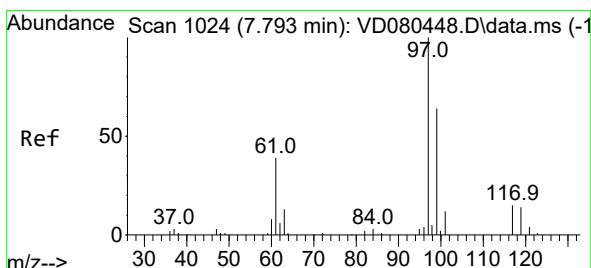
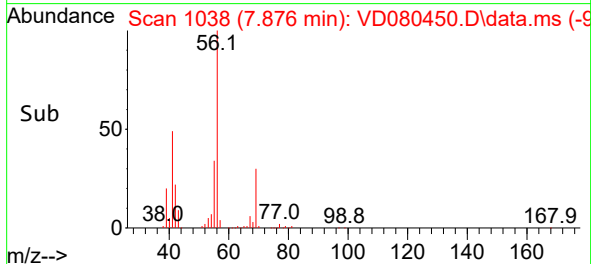
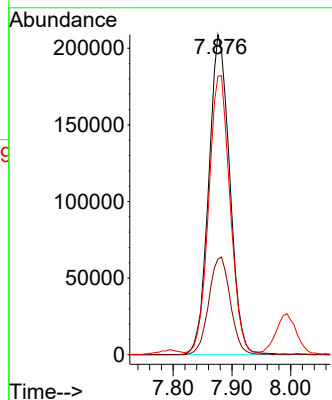
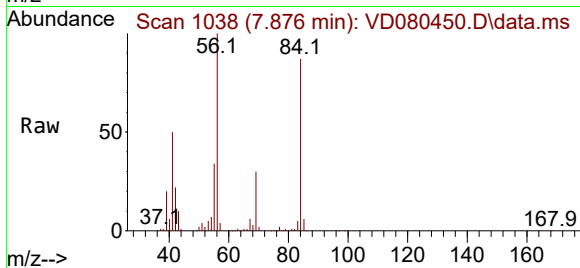
Tgt Ion: 56 Resp: 518293

Ion Ratio Lower Upper

56 100

69 31.3 25.7 38.5

84 88.8 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 85.34 ug/L

RT: 7.794 min Scan# 1024

Delta R.T. 0.000 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

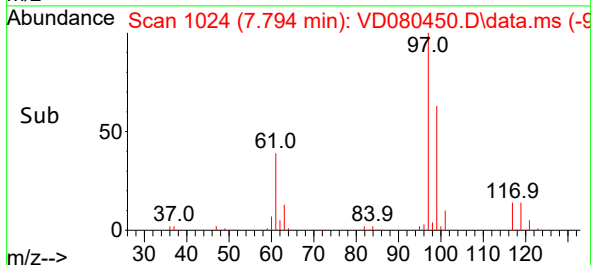
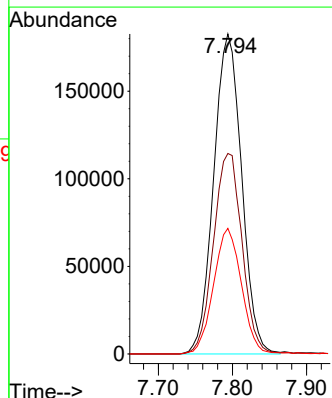
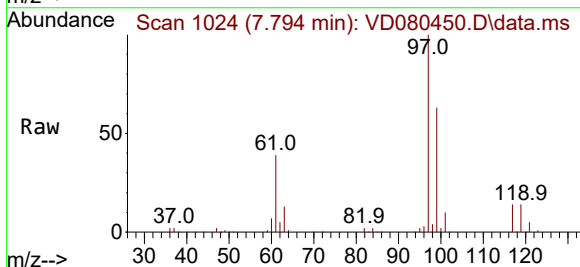
Tgt Ion: 97 Resp: 478935

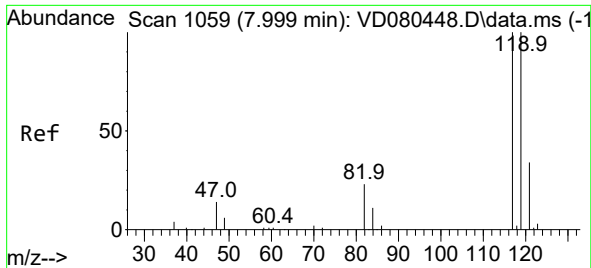
Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 39.2 32.4 48.6

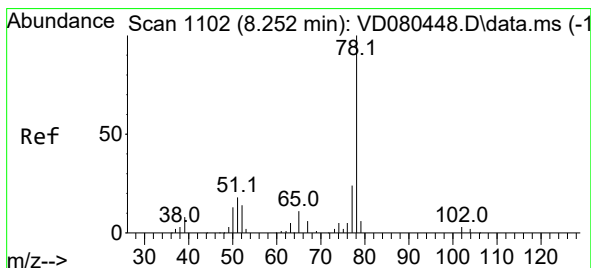
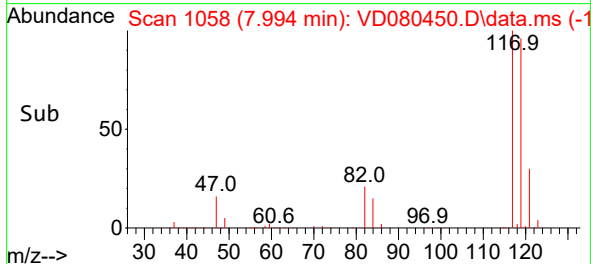
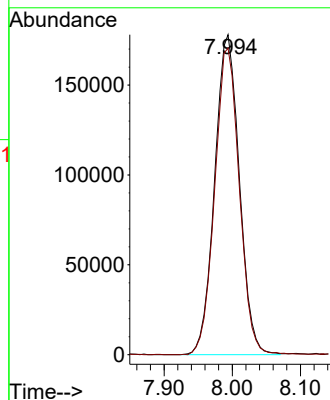
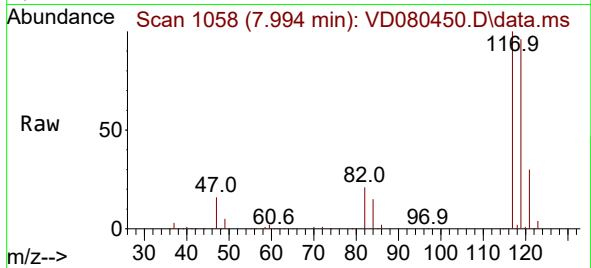




#31
Carbon tetrachloride
Concen: 85.79 ug/L
RT: 7.994 min Scan# 1058
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

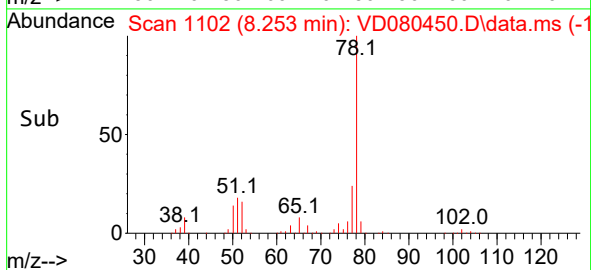
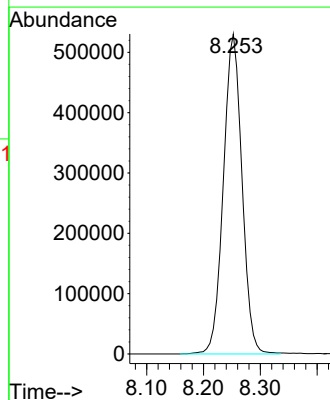
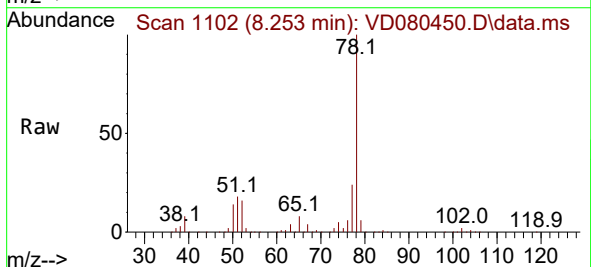
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

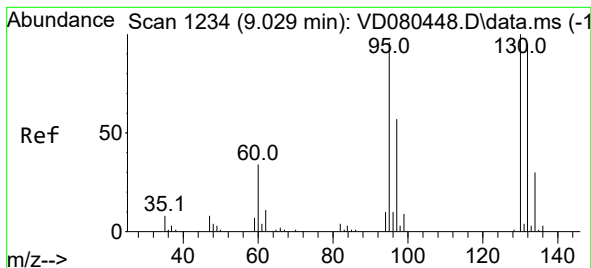
Tgt Ion:117 Resp: 449140
Ion Ratio Lower Upper
117 100
119 95.1 77.2 115.8



#33
Benzene
Concen: 88.37 ug/L
RT: 8.253 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion: 78 Resp: 1209813





#34

Trichloroethene

Concen: 86.73 ug/L

RT: 9.029 min Scan# 1234

Delta R.T. 0.000 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD100886

Tgt Ion: 95 Resp: 331918

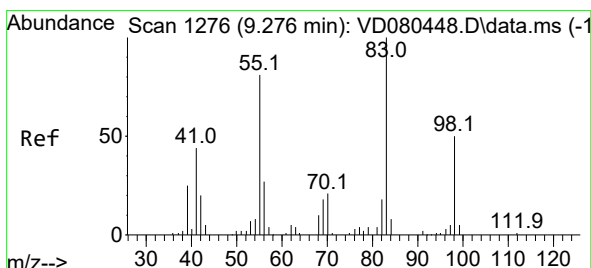
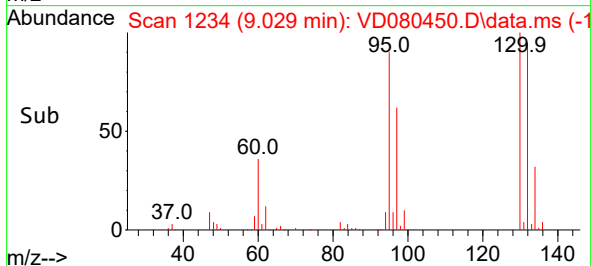
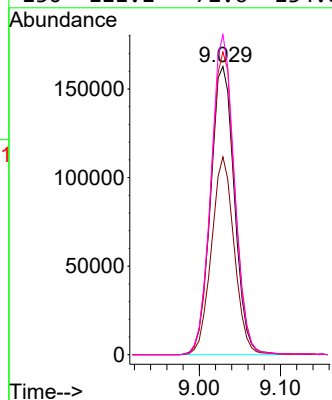
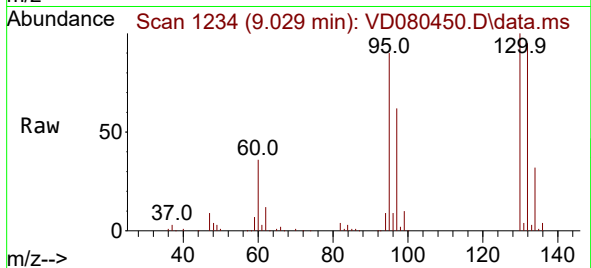
Ion Ratio Lower Upper

95 100

97 68.6 41.5 77.1

132 105.1 69.1 128.3

130 111.1 72.6 134.8



#35

Methylcyclohexane

Concen: 99.07 ug/L

RT: 9.276 min Scan# 1276

Delta R.T. 0.000 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

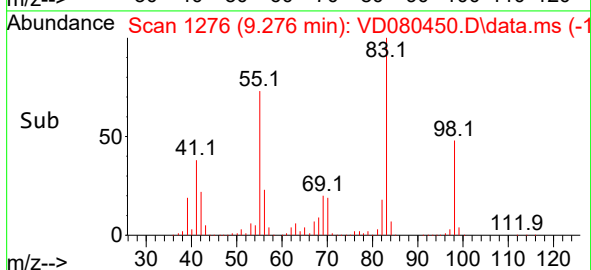
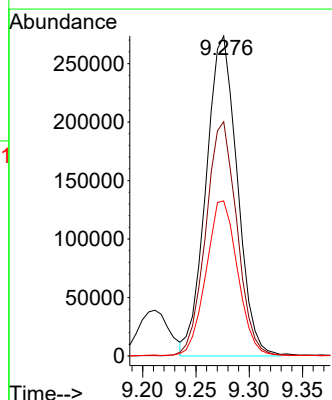
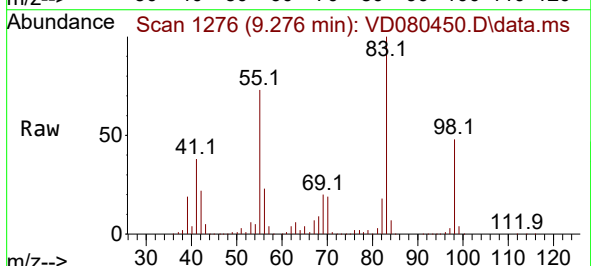
Tgt Ion: 83 Resp: 558039

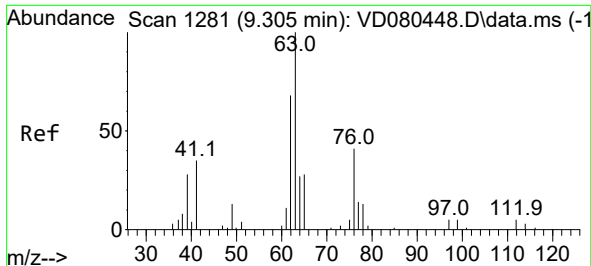
Ion Ratio Lower Upper

83 100

55 72.9 59.7 89.5

98 49.0 38.2 57.2

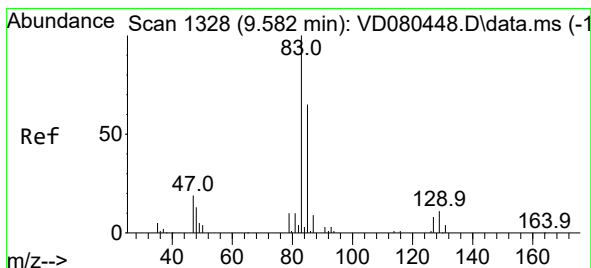
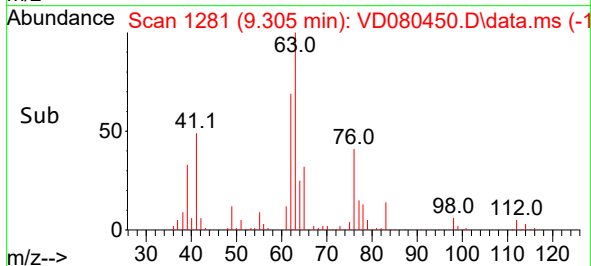
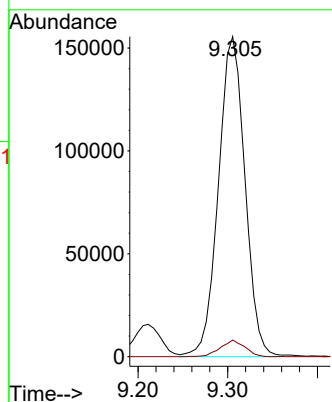
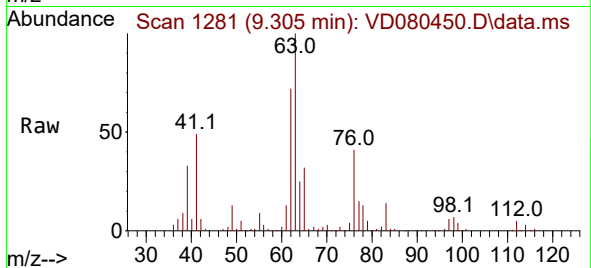




#37
1,2-Dichloropropane
Concen: 85.01 ug/L
RT: 9.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

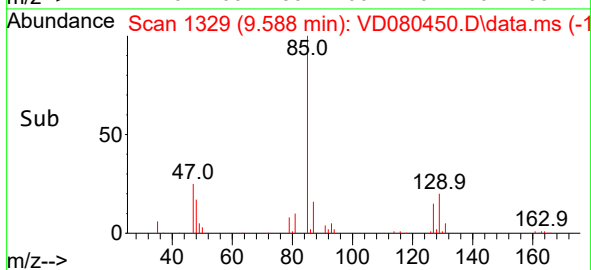
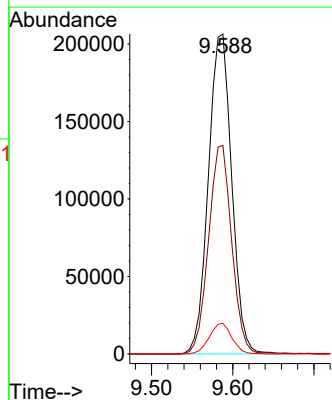
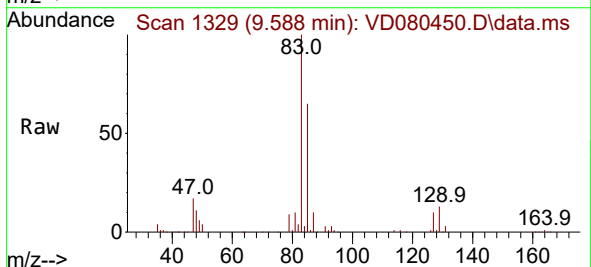
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

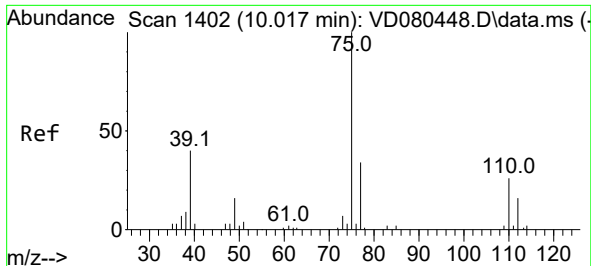
Tgt Ion: 63 Resp: 319680
Ion Ratio Lower Upper
63 100
112 4.8 3.9 5.9



#38
Bromodichloromethane
Concen: 84.67 ug/L
RT: 9.588 min Scan# 1329
Delta R.T. 0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion: 83 Resp: 412490
Ion Ratio Lower Upper
83 100
85 65.2 45.2 84.0
127 9.6 6.2 9.4#

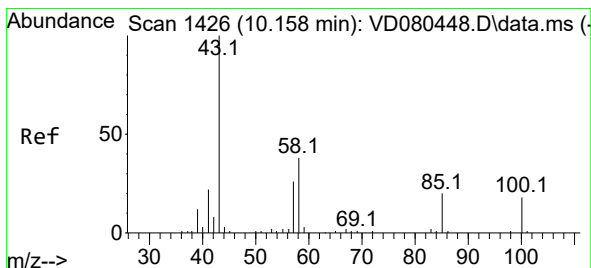
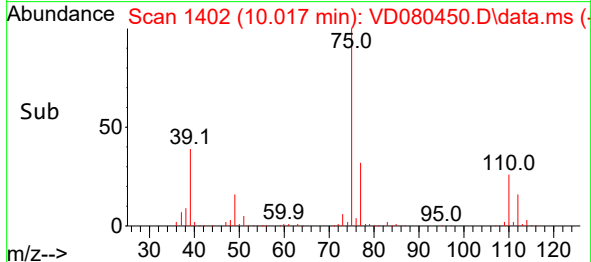
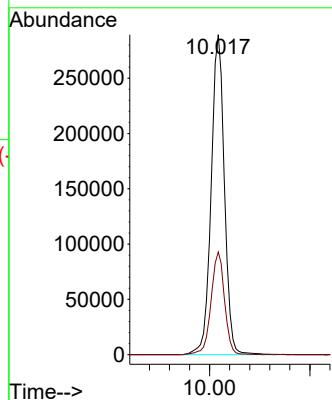
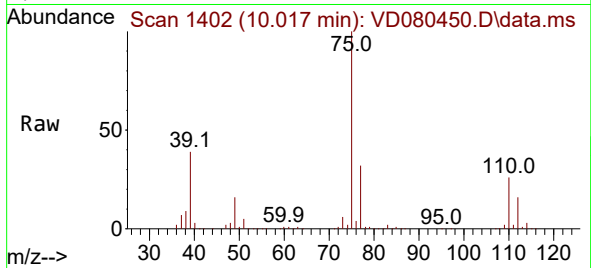




#39
cis-1,3-Dichloropropene
Concen: 95.09 ug/L
RT: 10.017 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

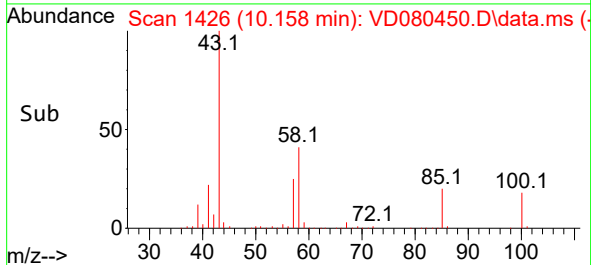
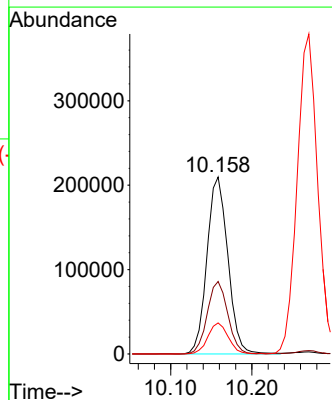
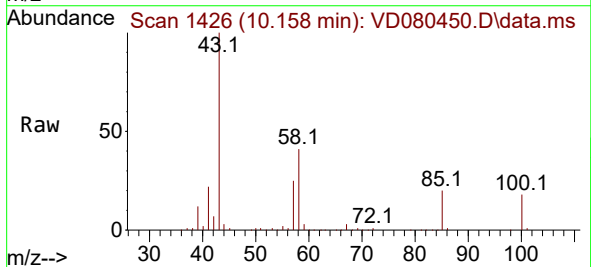
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

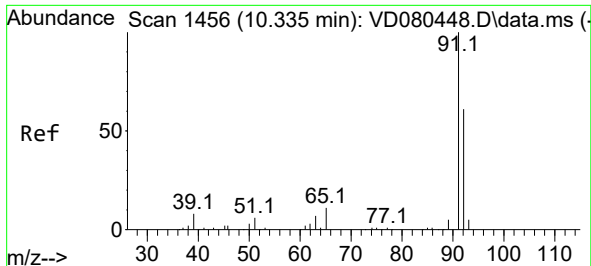
Tgt Ion: 75 Resp: 530957
Ion Ratio Lower Upper
75 100
77 32.1 24.1 44.7



#40
4-Methyl-2-pentanone
Concen: 197.74 ug/L
RT: 10.158 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion: 43 Resp: 374913
Ion Ratio Lower Upper
43 100
58 40.3 31.7 47.5
100 17.0 13.4 20.0

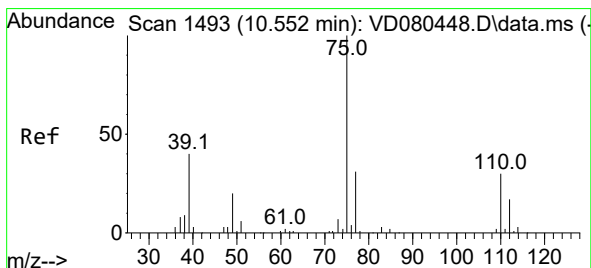
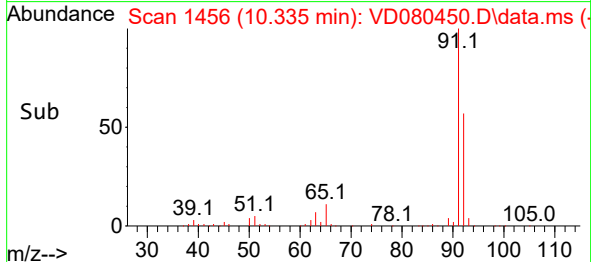
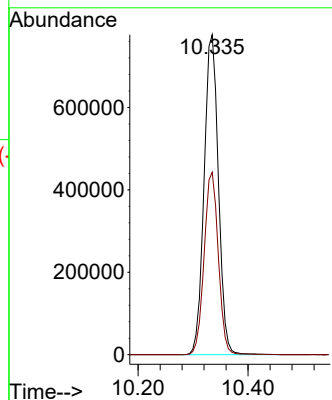
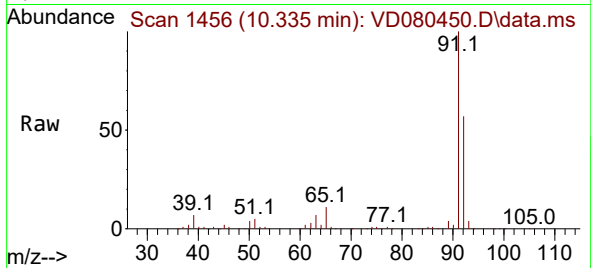




#42
Toluene
Concen: 93.52 ug/L
RT: 10.335 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

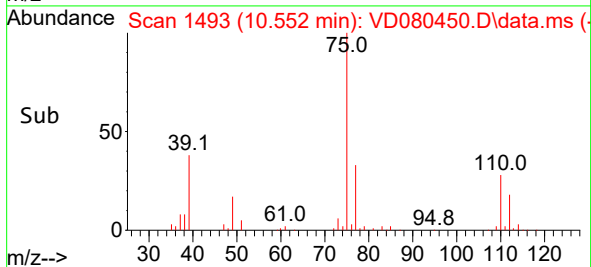
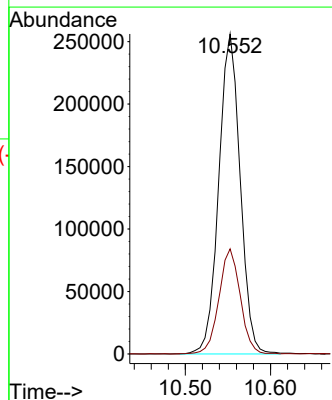
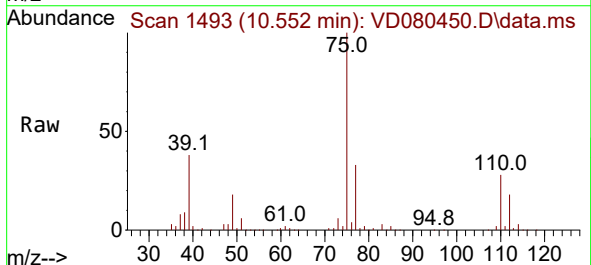
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

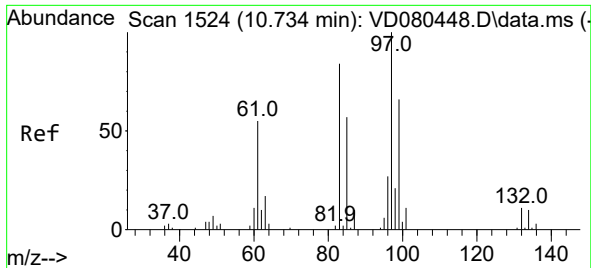
Tgt Ion: 91 Resp: 1401528
Ion Ratio Lower Upper
91 100
92 57.0 42.6 79.0



#44
trans-1,3-Dichloropropene
Concen: 92.80 ug/L
RT: 10.552 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion: 75 Resp: 446963
Ion Ratio Lower Upper
75 100
77 32.8 21.8 40.6

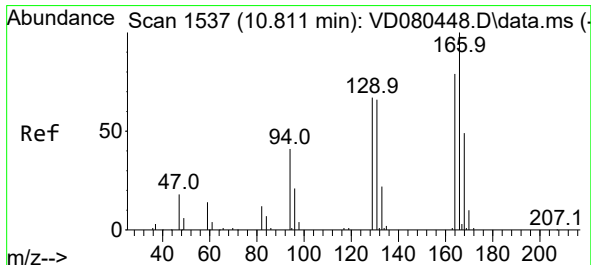
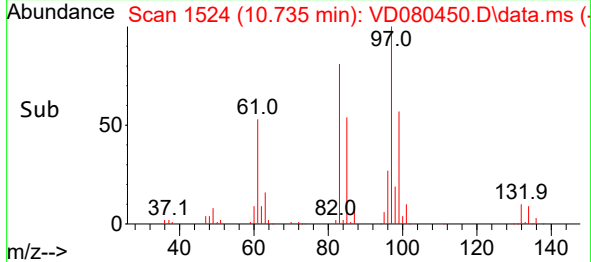
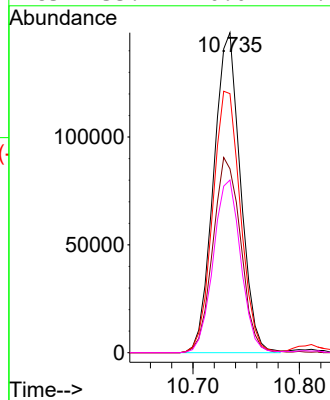
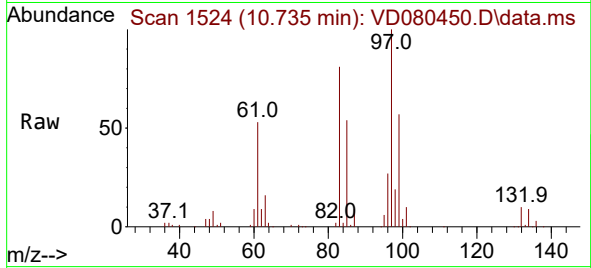




#45
1,1,2-Trichloroethane
Concen: 84.73 ug/L
RT: 10.735 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

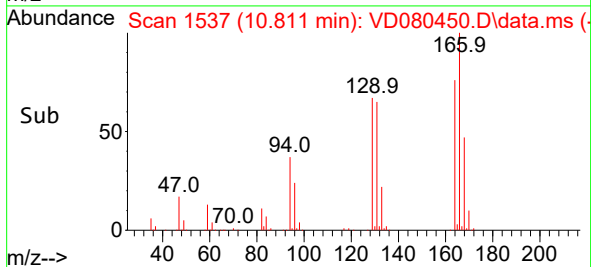
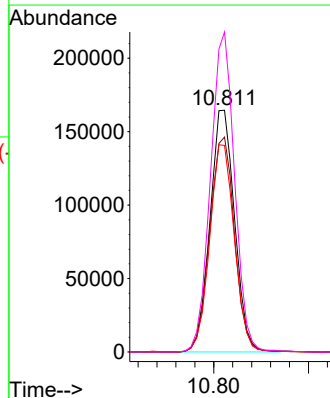
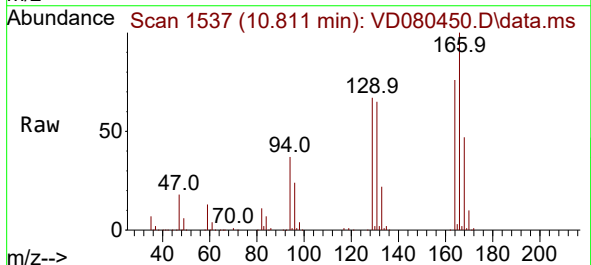
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

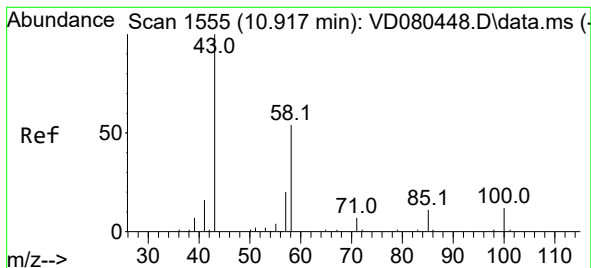
Tgt Ion:	97	Resp:	260007
Ion	Ratio	Lower	Upper
97	100		
99	57.5	46.5	86.3
83	81.0	58.5	108.7
85	53.9	40.0	74.2



#46
Tetrachloroethene
Concen: 88.91 ug/L
RT: 10.811 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion:	164	Resp:	298174
Ion	Ratio	Lower	Upper
164	100		
129	88.9	59.7	110.9
131	85.5	58.7	109.1
166	132.4	88.7	164.7





#48

2-Hexanone

Concen: 190.11 ug/L

RT: 10.917 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD100886

Tgt Ion: 43 Resp: 263731

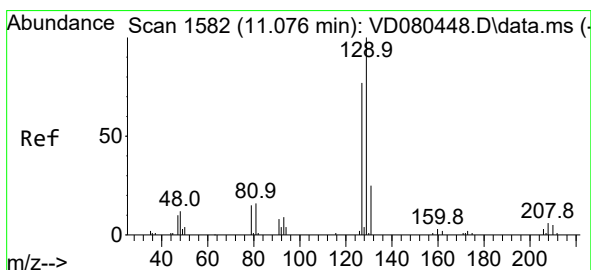
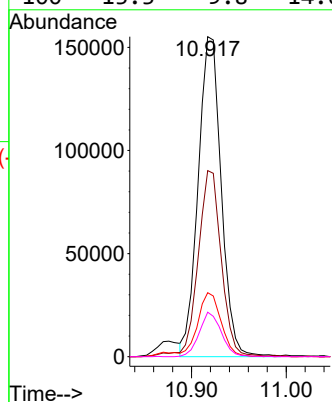
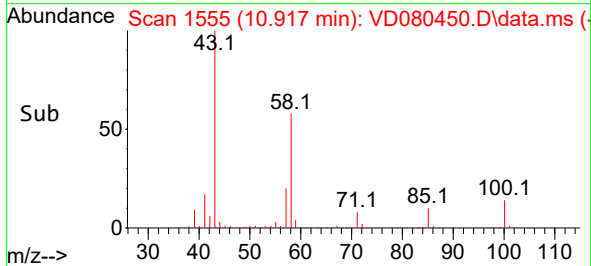
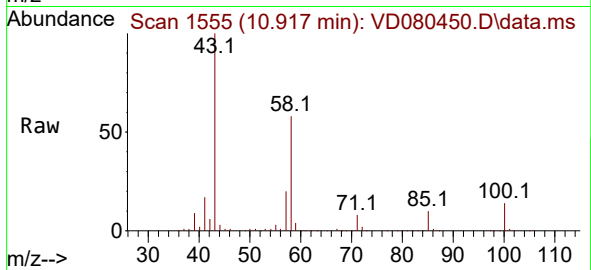
Ion Ratio Lower Upper

43 100

58 56.9 43.8 65.6

57 20.1 15.6 23.4

100 13.3 9.8 14.6



#49

Dibromochloromethane

Concen: 87.58 ug/L

RT: 11.070 min Scan# 1581

Delta R.T. -0.006 min

Lab File: VD080450.D

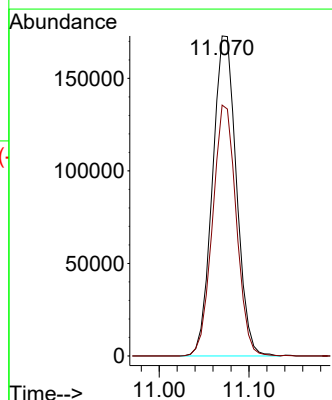
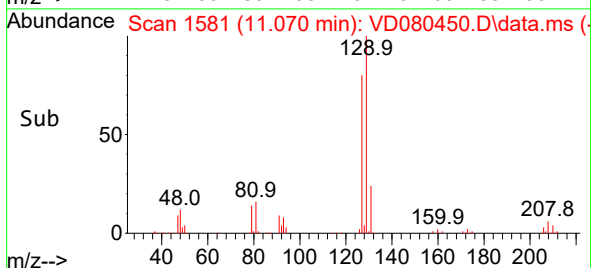
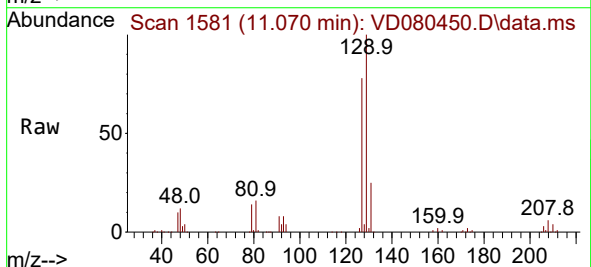
Acq: 18 Jun 2025 11:20

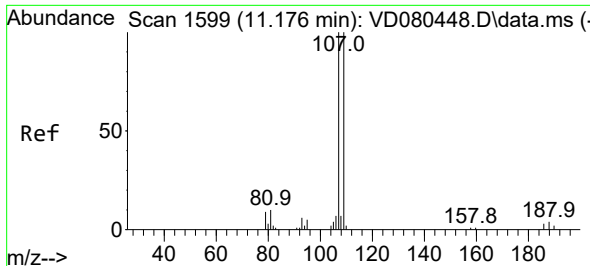
Tgt Ion:129 Resp: 320293

Ion Ratio Lower Upper

129 100

127 78.4 54.1 100.5

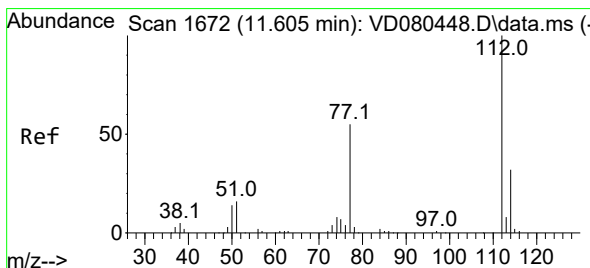
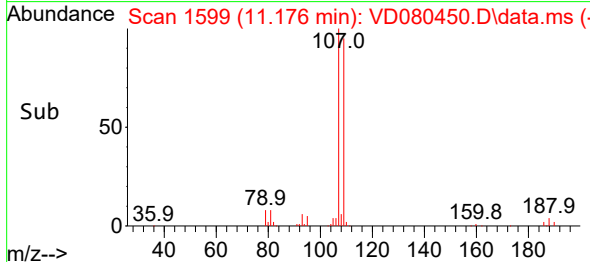
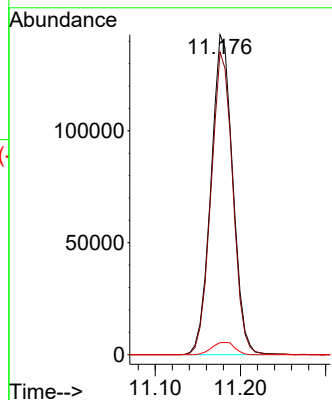
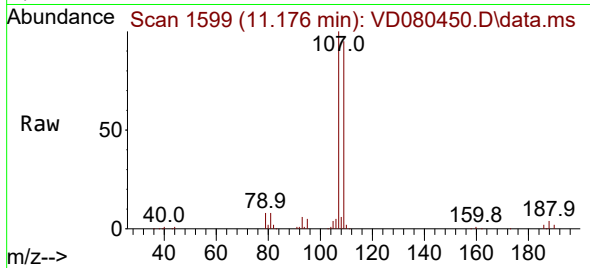




#50
1,2-Dibromoethane
Concen: 87.99 ug/L
RT: 11.176 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

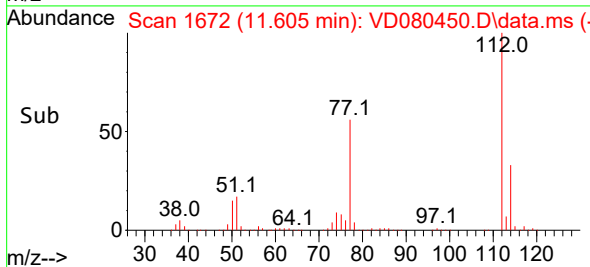
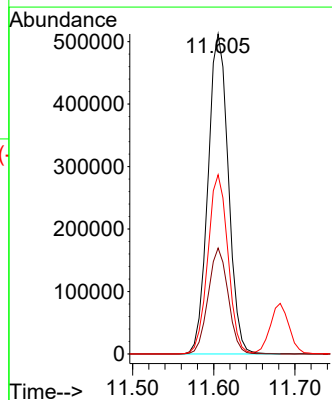
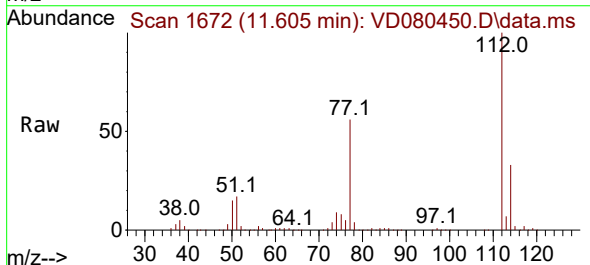
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

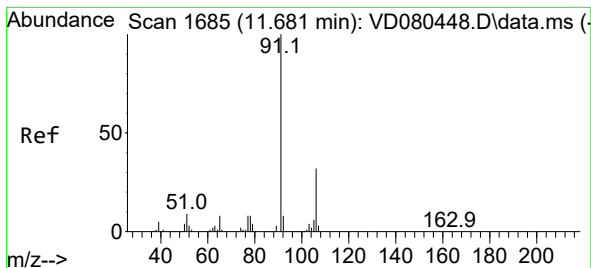
Tgt Ion:107 Resp: 254995
Ion Ratio Lower Upper
107 100
109 94.6 69.8 129.6
188 3.8 2.9 4.3



#51
Chlorobenzene
Concen: 87.07 ug/L
RT: 11.605 min Scan# 1672
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion:112 Resp: 890896
Ion Ratio Lower Upper
112 100
114 33.1 22.3 41.3
77 56.0 44.2 66.4

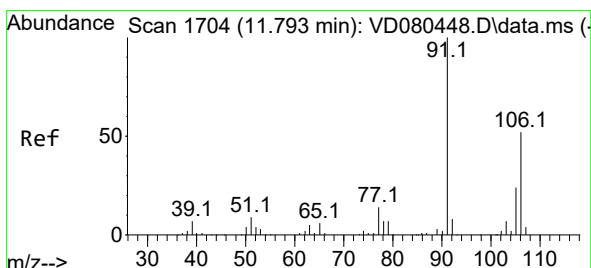
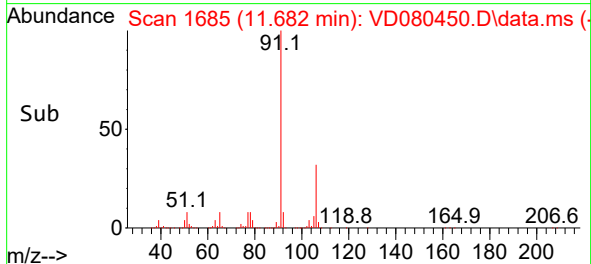
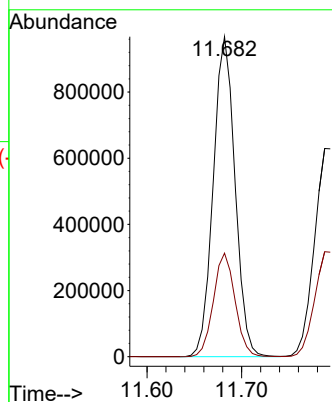
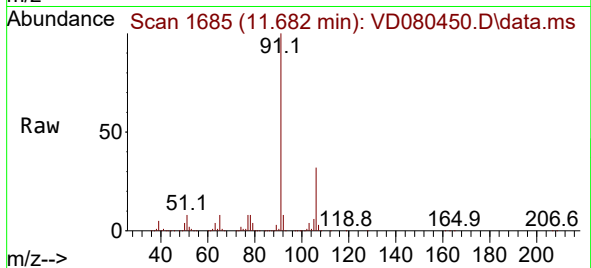




#52
Ethylbenzene
Concen: 96.04 ug/L
RT: 11.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

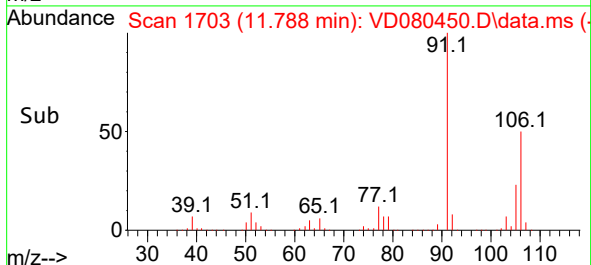
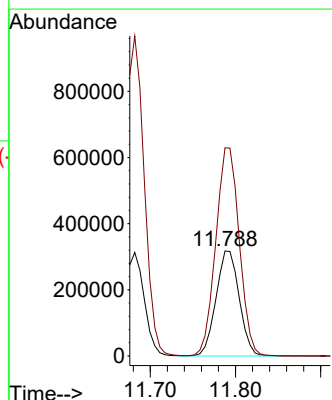
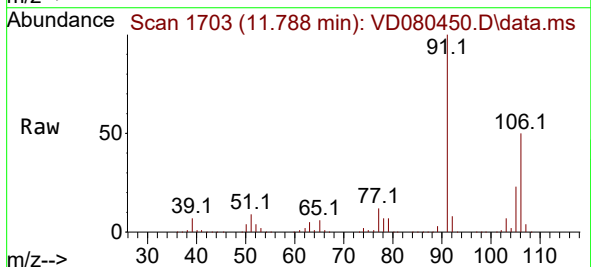
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

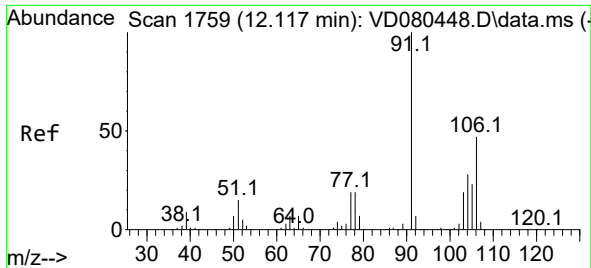
Tgt Ion: 91 Resp: 1544370
Ion Ratio Lower Upper
91 100
106 32.3 22.1 41.1



#53
m,p-Xylene
Concen: 96.46 ug/L
RT: 11.788 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion: 106 Resp: 600114
Ion Ratio Lower Upper
106 100
91 198.2 134.1 249.1

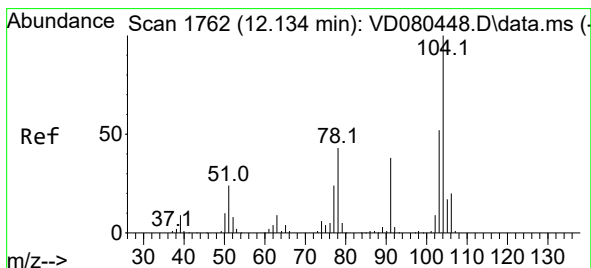
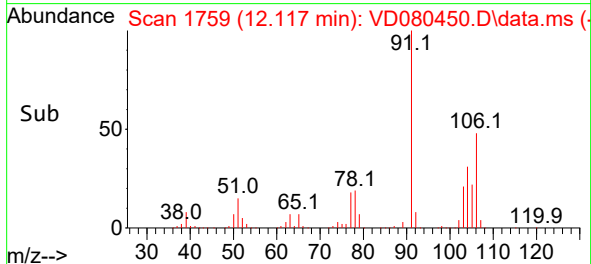
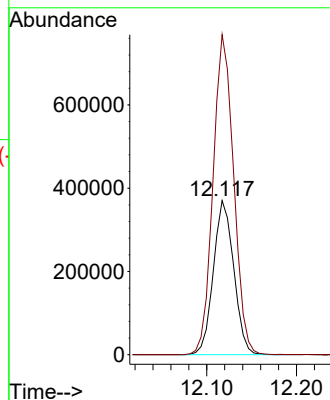
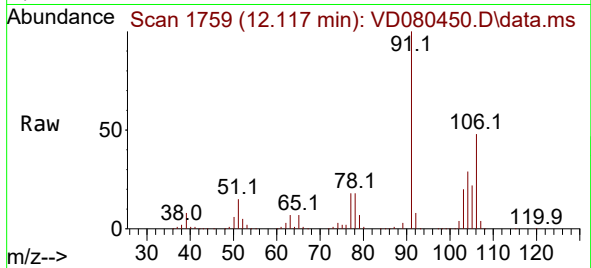




#54
o-Xylene
Concen: 98.17 ug/L
RT: 12.117 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

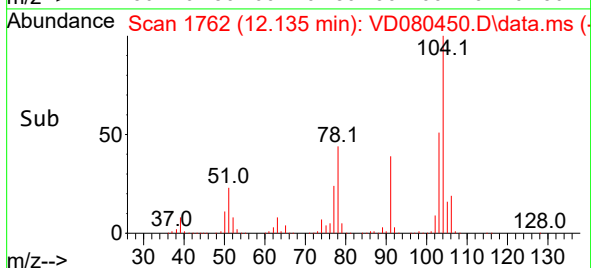
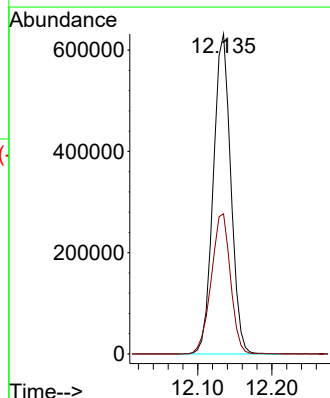
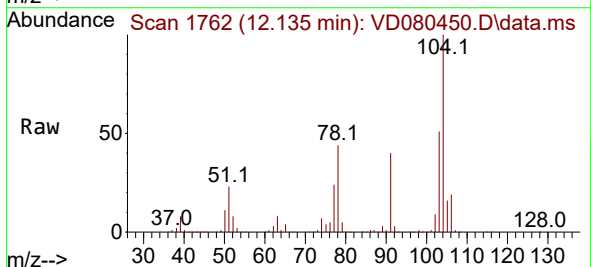
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

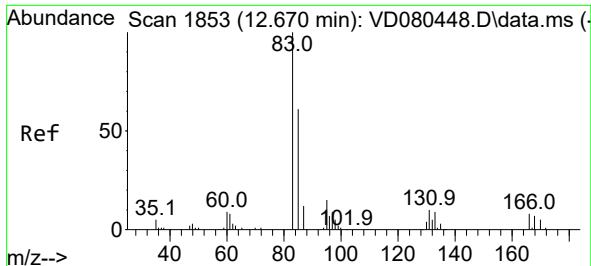
Tgt Ion:106 Resp: 584441
Ion Ratio Lower Upper
106 100
91 207.6 148.3 275.3



#55
Styrene
Concen: 97.72 ug/L
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion:104 Resp: 1036967
Ion Ratio Lower Upper
104 100
78 43.8 30.0 55.8

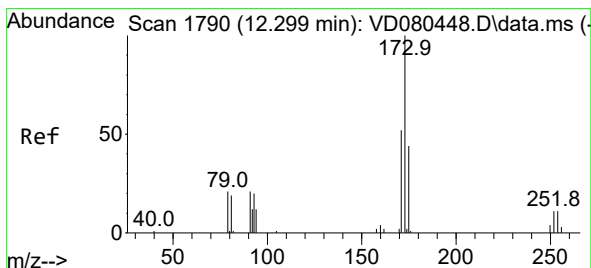
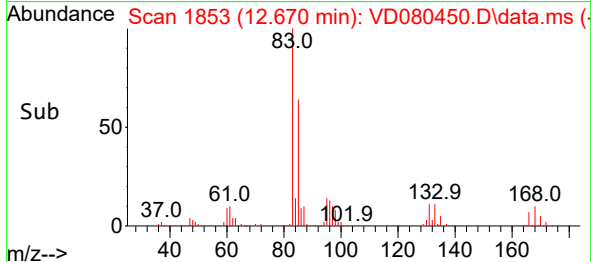
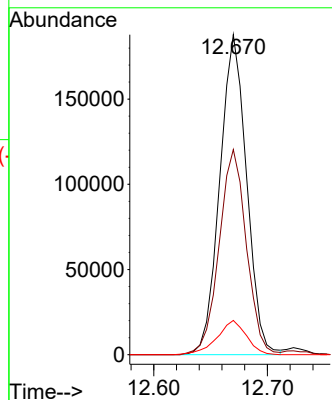
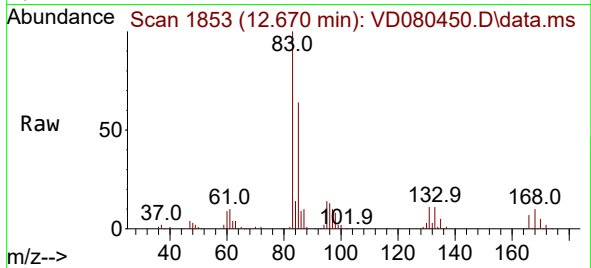




#57
 1,1,2,2-Tetrachloroethane
 Concen: 86.35 ug/L
 RT: 12.670 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VD080450.D
 Acq: 18 Jun 2025 11:20

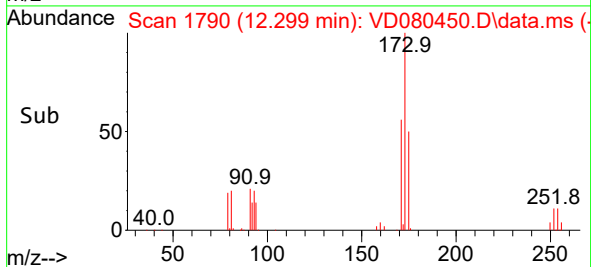
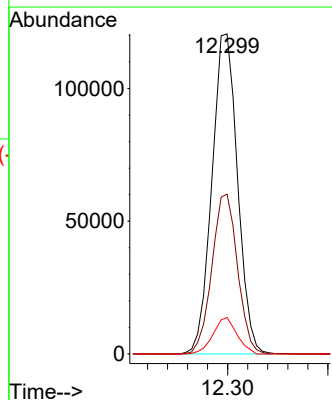
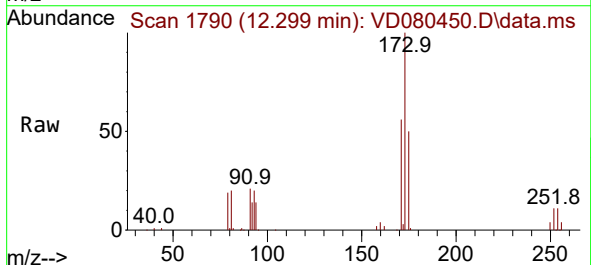
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD100886

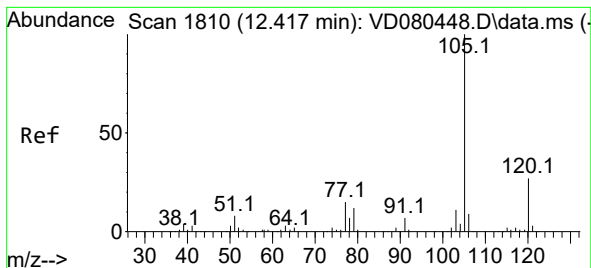
Tgt Ion: 83 Resp: 307643
 Ion Ratio Lower Upper
 83 100
 85 64.1 42.8 79.6
 131 10.7 7.8 11.8



#59
 Bromoform
 Concen: 80.14 ug/L
 RT: 12.299 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: VD080450.D
 Acq: 18 Jun 2025 11:20

Tgt Ion: 173 Resp: 214108
 Ion Ratio Lower Upper
 173 100
 175 49.8 38.2 57.4
 254 10.7 9.0 13.4





#60

Isopropylbenzene

Concen: 93.87 ug/L

RT: 12.417 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD100886

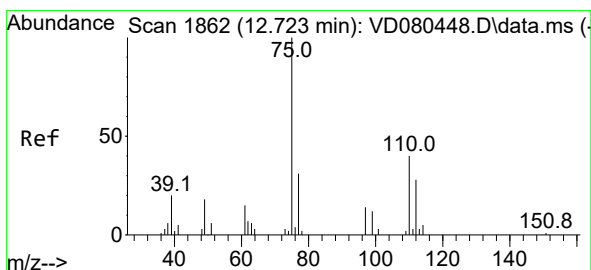
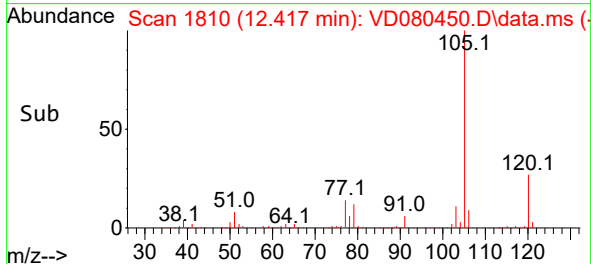
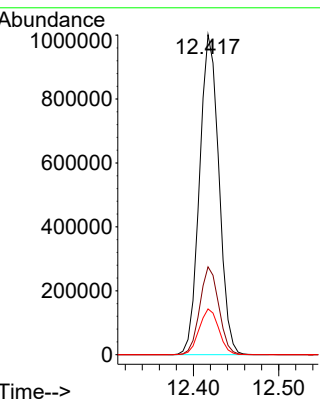
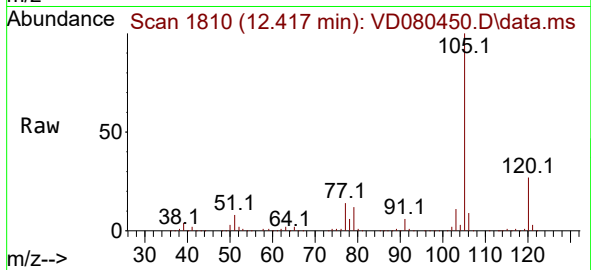
Tgt Ion:105 Resp: 1579794

Ion Ratio Lower Upper

105 100

120 26.9 22.1 33.1

77 14.4 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 79.32 ug/L

RT: 12.723 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

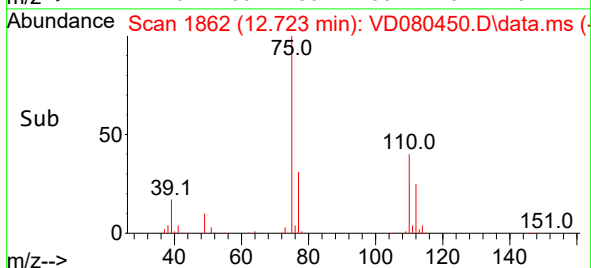
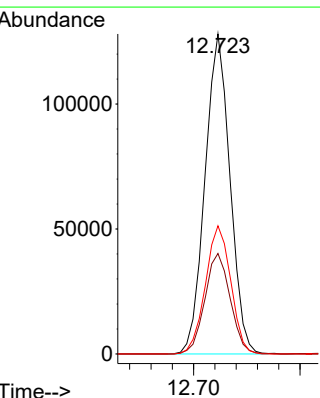
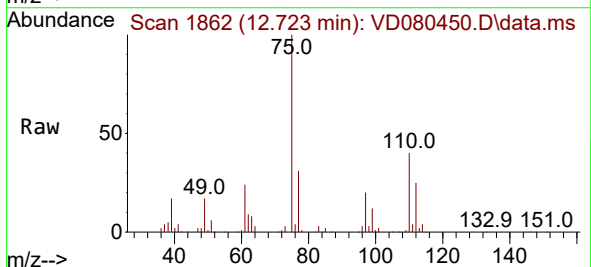
Tgt Ion: 75 Resp: 208211

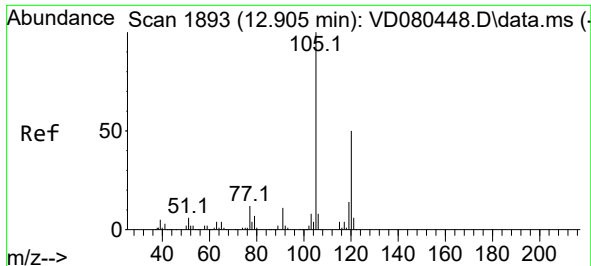
Ion Ratio Lower Upper

75 100

77 32.0 26.8 40.2

110 40.6 33.0 49.4

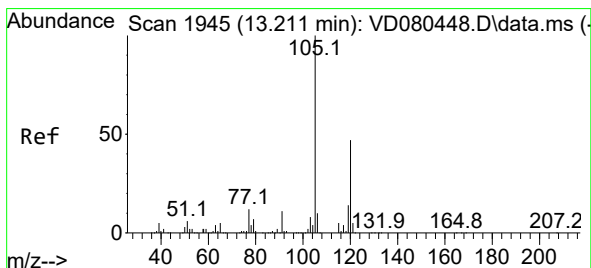
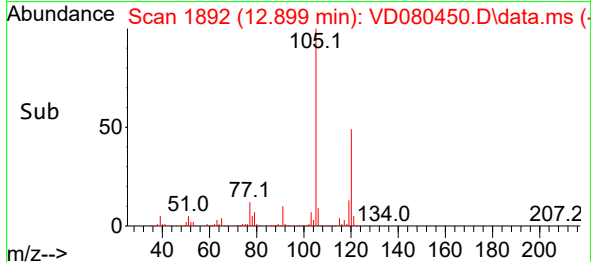
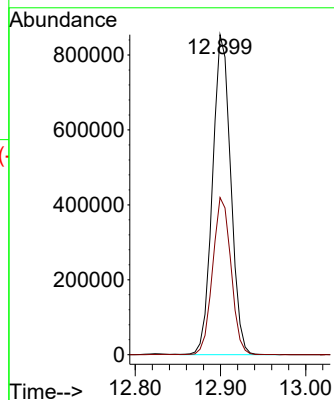
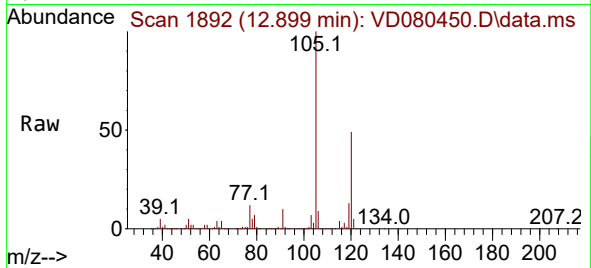




#62
1,3,5-Trimethylbenzene
Concen: 96.53 ug/L
RT: 12.899 min Scan# 1892
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

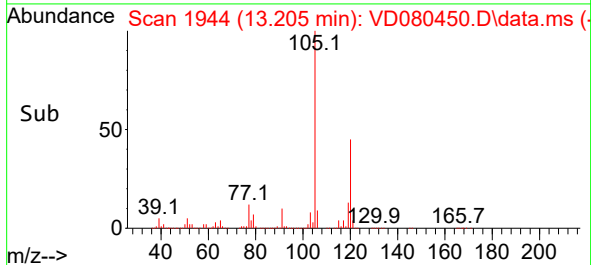
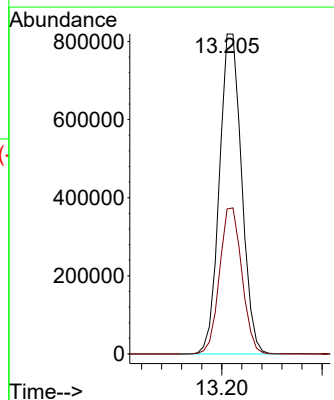
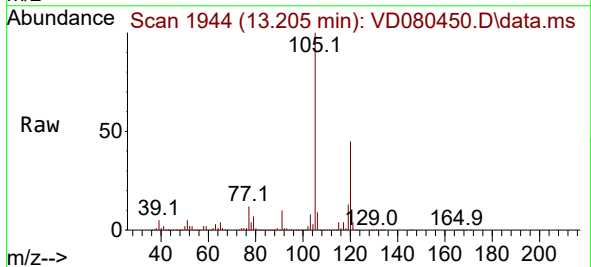
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

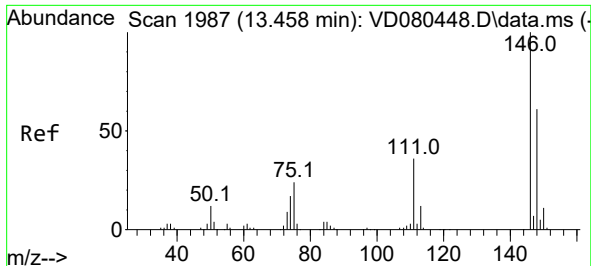
Tgt Ion:105 Resp: 1268132
Ion Ratio Lower Upper
105 100
120 49.5 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 96.89 ug/L
RT: 13.205 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion:105 Resp: 1258162
Ion Ratio Lower Upper
105 100
120 45.9 37.5 56.3

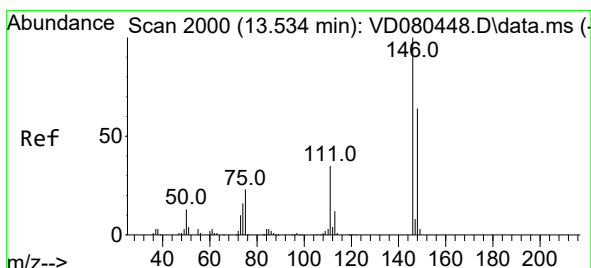
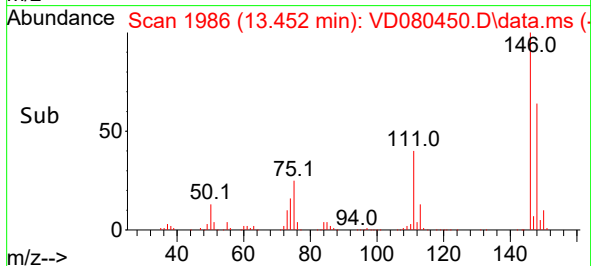
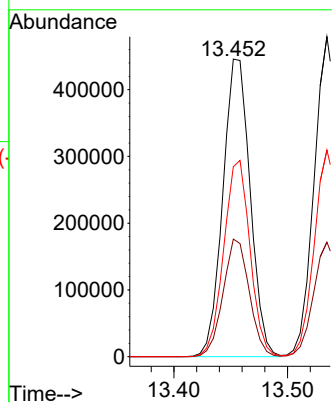
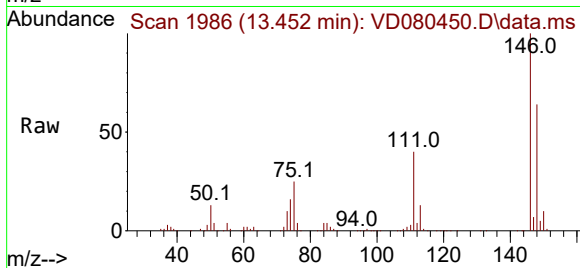




#64
1,3-Dichlorobenzene
Concen: 84.74 ug/L
RT: 13.452 min Scan# 1987
Delta R.T. -0.006 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

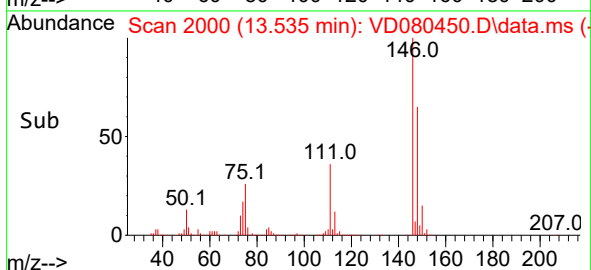
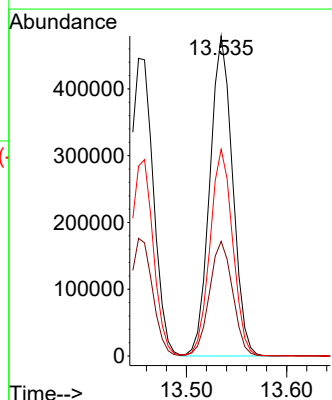
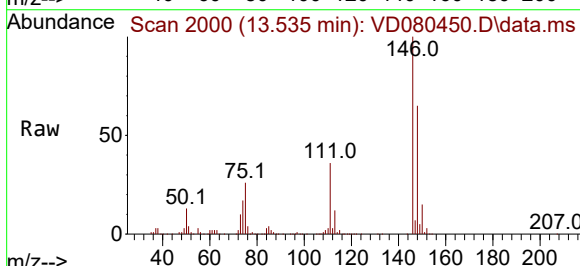
Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

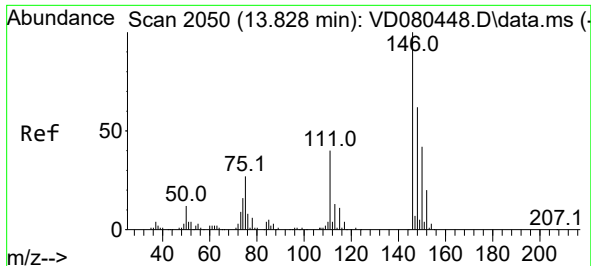
Tgt Ion:146 Resp: 745519
Ion Ratio Lower Upper
146 100
111 39.5 25.4 47.2
148 63.8 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 82.74 ug/L
RT: 13.535 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion:146 Resp: 756082
Ion Ratio Lower Upper
146 100
111 35.8 24.5 45.5
148 64.6 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 83.96 ug/L

RT: 13.829 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD100886

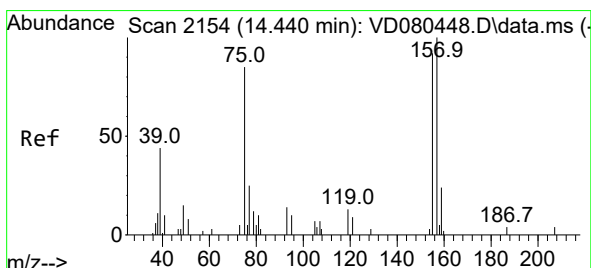
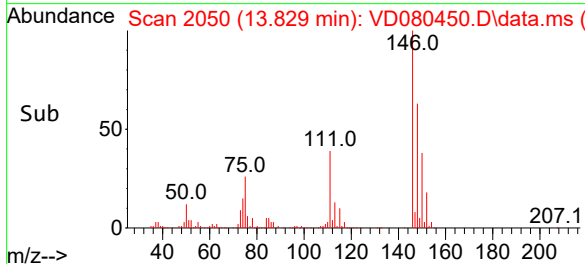
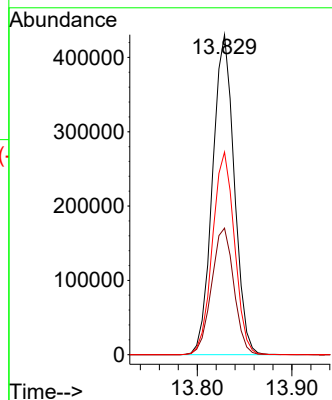
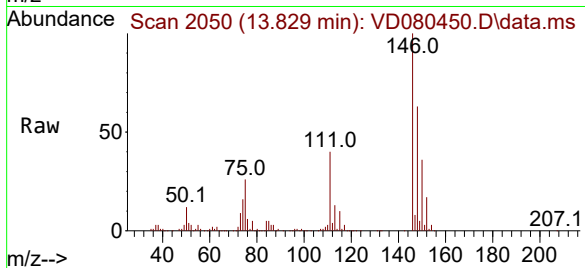
Tgt Ion:146 Resp: 685602

Ion Ratio Lower Upper

146 100

111 39.6 32.0 48.0

148 63.3 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 78.68 ug/L

RT: 14.446 min Scan# 2155

Delta R.T. 0.006 min

Lab File: VD080450.D

Acq: 18 Jun 2025 11:20

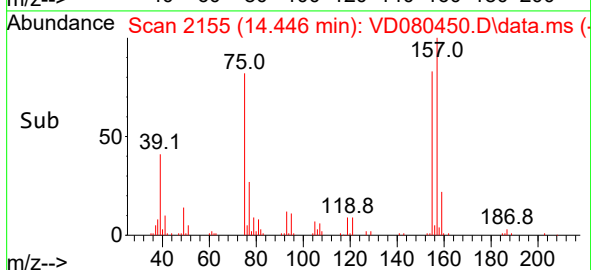
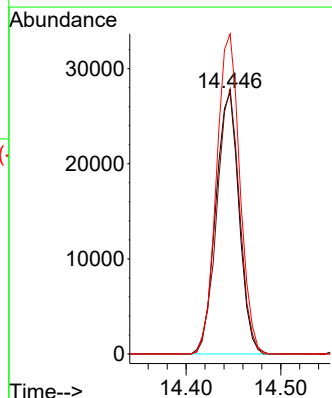
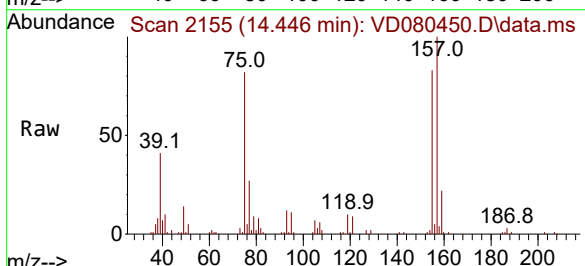
Tgt Ion: 75 Resp: 46782

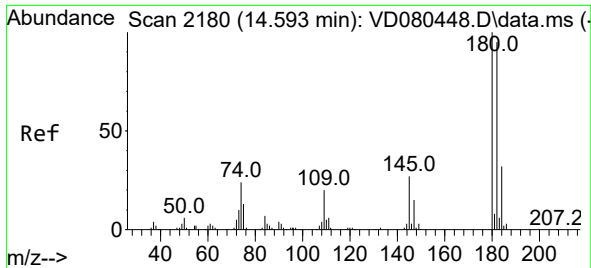
Ion Ratio Lower Upper

75 100

155 101.3 86.2 129.2

157 122.3 94.0 141.0

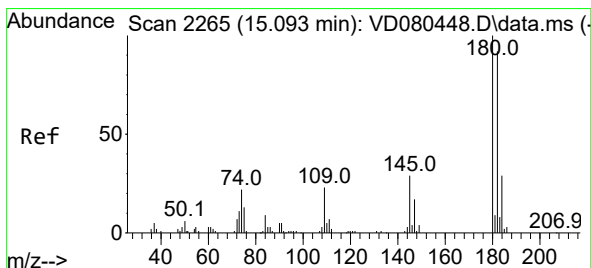
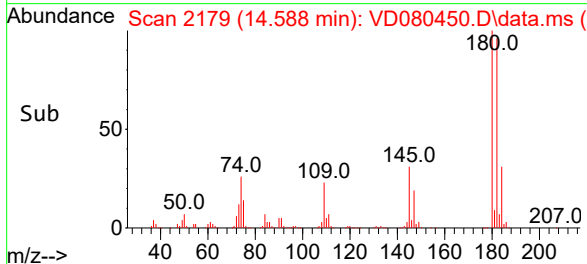
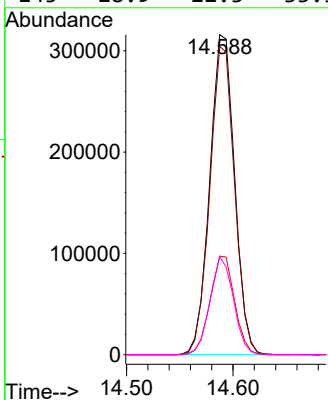
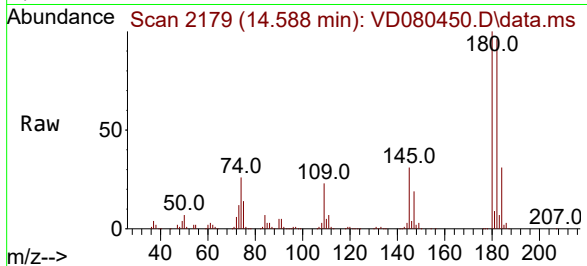




#69
 1,3,5-Trichlorobenzene
 Concen: 84.70 ug/L
 RT: 14.588 min Scan# 2180
 Delta R.T. -0.006 min
 Lab File: VD080450.D
 Acq: 18 Jun 2025 11:20

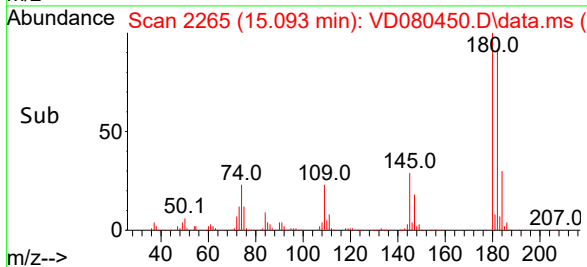
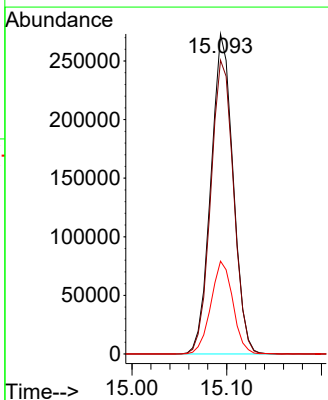
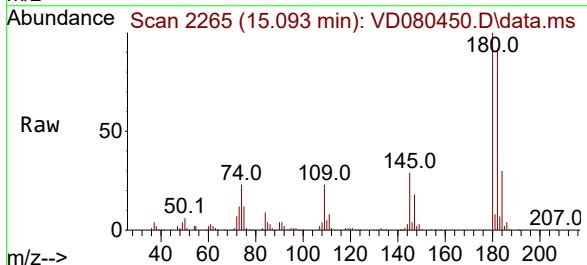
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD100886

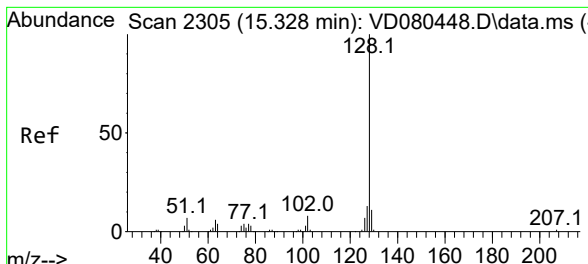
Tgt Ion:180	Resp: 511561
Ion Ratio	Lower Upper
180	100
182	95.6 77.0 115.4
184	30.4 24.9 37.3
145	28.9 22.3 33.5



#70
 1,2,4-trichlorobenzene
 Concen: 87.58 ug/L
 RT: 15.093 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: VD080450.D
 Acq: 18 Jun 2025 11:20

Tgt Ion:180	Resp: 445181
Ion Ratio	Lower Upper
180	100
182	94.1 76.0 114.0
145	28.7 22.2 33.4



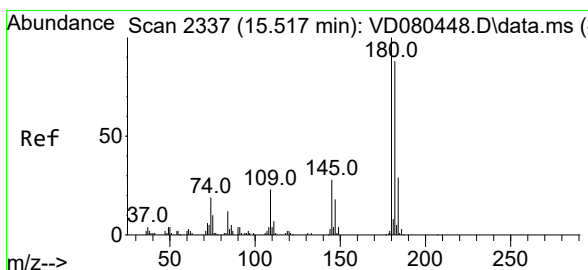
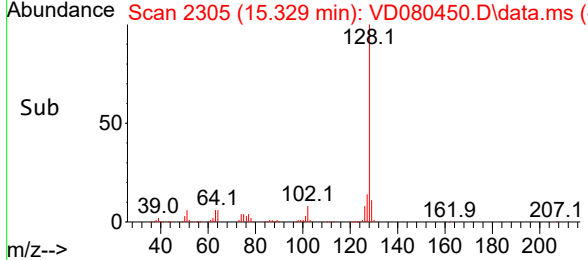
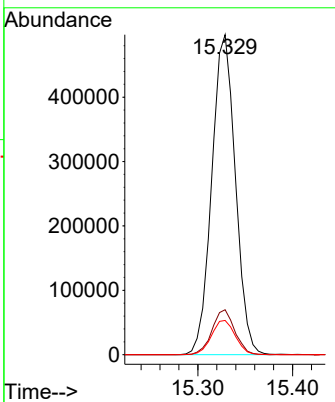
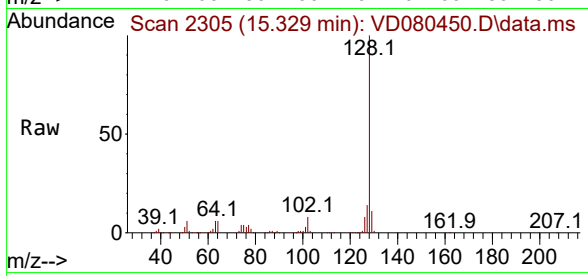


#71
Naphthalene
Concen: 95.48 ug/L
RT: 15.329 min Scan# 2305
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTD100886

Tgt Ion:128 Resp: 862321

Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.0	16.6
129	10.8	9.0	13.4



#72
1,2,3-Trichlorobenzene
Concen: 86.66 ug/L
RT: 15.517 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD080450.D
Acq: 18 Jun 2025 11:20

Tgt Ion:180 Resp: 407675

Ion	Ratio	Lower	Upper
180	100		
182	95.1	74.7	112.1
145	30.6	24.2	36.4

