

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061925\
 Data File : VD080457.D
 Acq On : 19 Jun 2025 10:26
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025508

Quant Time: Jun 20 09:45:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 20 09:43:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	232753	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	215670	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	119713	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	83539	21.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.68%		
7) Chloroethane-d5	2.806	69	73889	21.94	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.76%		
11) 1,1-Dichloroethene-d2	3.917	65	30678	23.04	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	92.16%		
21) 2-Butanone-d5	6.988	46	29835	45.60	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.20%		
24) Chloroform-d	7.570	84	151637	23.66	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	94.64%		
26) 1,2-Dichloroethane-d4	8.229	65	73967	22.57	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	90.28%		
32) Benzene-d6	8.199	84	294295	24.81	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	99.24%		
36) 1,2-Dichloropropane-d6	9.205	67	92103	23.67	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	94.68%		
41) Toluene-d8	10.270	98	281107	25.36	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	101.44%		
43) trans-1,3-Dichloroprop...	10.523	79	39932	24.63	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	98.52%		
47) 2-Hexanone-d5	10.876	63	26768	45.30	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	90.60%		
56) 1,1,2,2-Tetrachloroeth...	12.646	84	79218	22.51	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	90.04%		
66) 1,2-Dichlorobenzene-d4	13.811	152	100137	23.07	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.28%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	85729	23.28	ug/L	99
3) Chloromethane	2.147	50	79914	23.12	ug/L	98
5) Vinyl chloride	2.288	62	102648	24.34	ug/L	97
6) Bromomethane	2.700	94	73899	28.22	ug/L	99
8) Chloroethane	2.841	64	67205	23.15	ug/L	99
9) Trichlorofluoromethane	3.176	101	140907	24.34	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	89354	24.87	ug/L	97
12) 1,1-Dichloroethene	3.941	96	76246	26.13	ug/L	94
13) Acetone	4.017	43	43339	77.73	ug/L	65
14) Carbon disulfide	4.276	76	251231	25.37	ug/L	97
15) Methyl Acetate	4.559	43	31516	23.44	ug/L	94
16) Methylene chloride	4.800	84	91758	25.44	ug/L	95
17) trans-1,2-Dichloroethene	5.311	96	85844	28.09	ug/L	97
18) Methyl tert-butyl Ether	5.317	73	159071	25.87	ug/L	97
19) 1,1-Dichloroethane	6.111	63	147834	25.80	ug/L	99
20) cis-1,2-Dichloroethene	7.082	96	90823	27.26	ug/L	96
22) 2-Butanone	7.076	43	47631	58.84	ug/L	100
23) Bromochloromethane	7.429	128	45154	25.21	ug/L	96
25) Chloroform	7.600	83	163857	24.84	ug/L	94

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 Response via : Initial Calibration

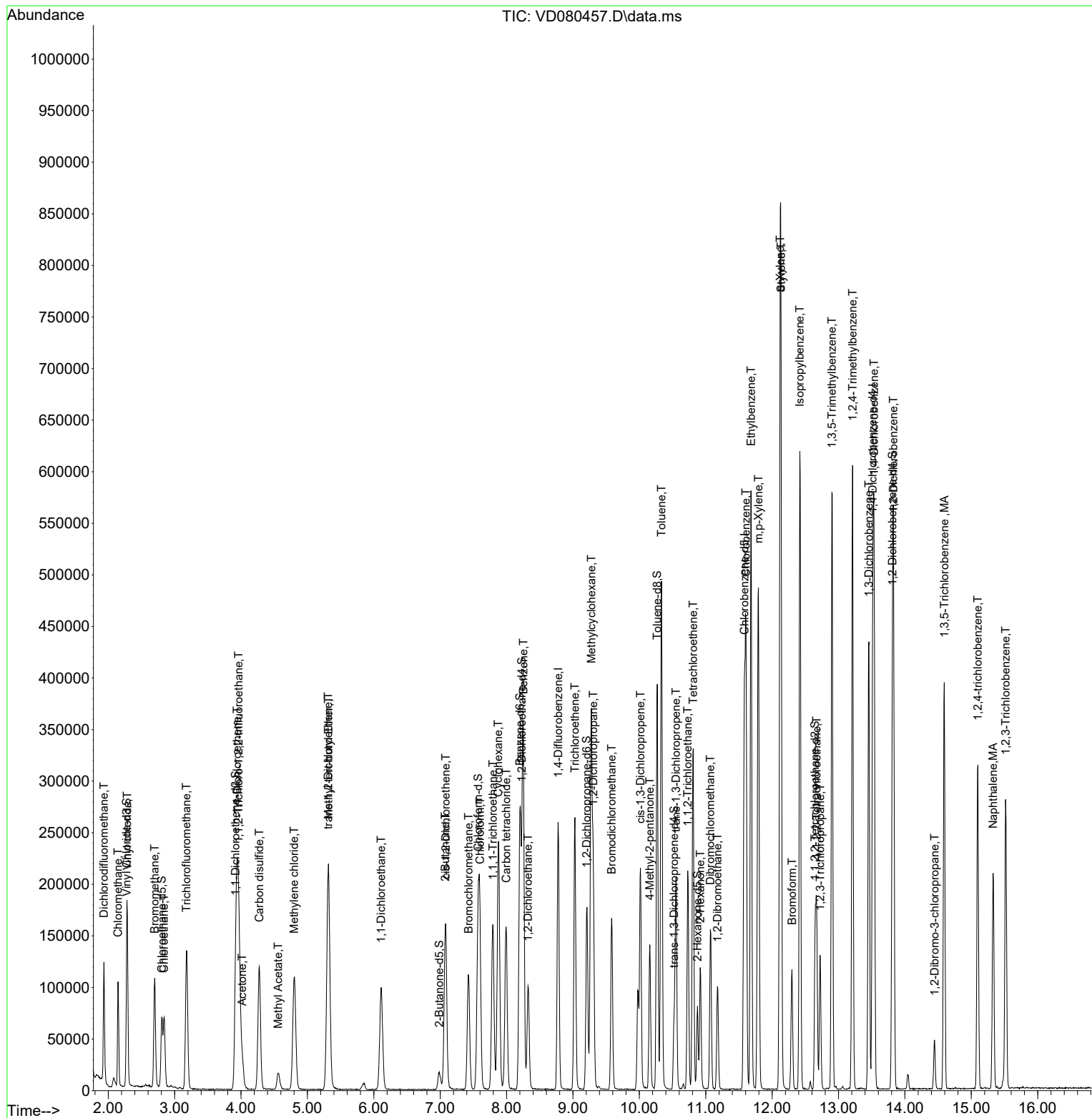
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.323	62	90397	24.41	ug/L	100
29) Cyclohexane	7.876	56	131148	29.29	ug/L	100
30) 1,1,1-Trichloroethane	7.794	97	138008	27.13	ug/L	99
31) Carbon tetrachloride	7.994	117	128424	26.32	ug/L	99
33) Benzene	8.252	78	334968	28.32	ug/L	100
34) Trichloroethene	9.029	95	91403	26.78	ug/L	93
35) Methylcyclohexane	9.276	83	147694	29.29	ug/L	100
37) 1,2-Dichloropropane	9.305	63	92292	27.97	ug/L	98
38) Bromodichloromethane	9.582	83	116822	26.93	ug/L #	97
39) cis-1,3-Dichloropropene	10.017	75	134237	27.19	ug/L	95
40) 4-Methyl-2-pentanone	10.158	43	91065	53.86	ug/L	99
42) Toluene	10.335	91	388091	29.68	ug/L	95
44) trans-1,3-Dichloropropene	10.552	75	118662	28.39	ug/L	98
45) 1,1,2-Trichloroethane	10.729	97	71104	26.52	ug/L	94
46) Tetrachloroethene	10.811	164	83024	27.20	ug/L	95
48) 2-Hexanone	10.917	43	72526	58.86	ug/L	97
49) Dibromochloromethane	11.070	129	86505	26.41	ug/L	97
50) 1,2-Dibromoethane	11.176	107	69605	26.93	ug/L #	98
51) Chlorobenzene	11.605	112	246010	27.27	ug/L	99
52) Ethylbenzene	11.682	91	411447	29.01	ug/L	99
53) m,p-Xylene	11.793	106	161132	28.95	ug/L	92
54) o-Xylene	12.123	106	153447	29.25	ug/L	97
55) Styrene	12.135	104	276877	29.93	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.670	83	82874	25.31	ug/L	92
59) Bromoform	12.299	173	57405	24.45	ug/L	98
60) Isopropylbenzene	12.417	105	412536	29.12	ug/L	98
61) 1,2,3-Trichloropropane	12.723	75	55771	24.84	ug/L	99
62) 1,3,5-Trimethylbenzene	12.899	105	321168	29.39	ug/L	99
63) 1,2,4-Trimethylbenzene	13.211	105	321301	29.77	ug/L	98
64) 1,3-Dichlorobenzene	13.458	146	200634	27.04	ug/L	99
65) 1,4-Dichlorobenzene	13.535	146	207214	26.84	ug/L	95
67) 1,2-Dichlorobenzene	13.829	146	181054	27.03	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.446	75	12413	23.59	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.593	180	137674	26.85	ug/L	98
70) 1,2,4-trichlorobenzene	15.099	180	108963	25.97	ug/L	98
71) Naphthalene	15.329	128	192332	25.22	ug/L	100
72) 1,2,3-Trichlorobenzene	15.517	180	105866	26.92	ug/L	100

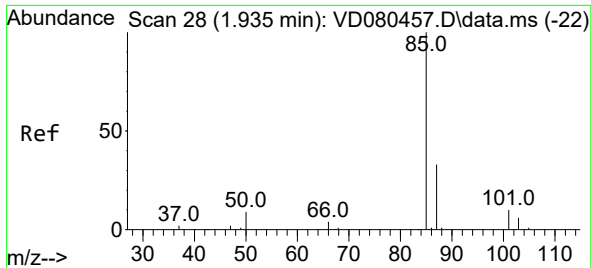
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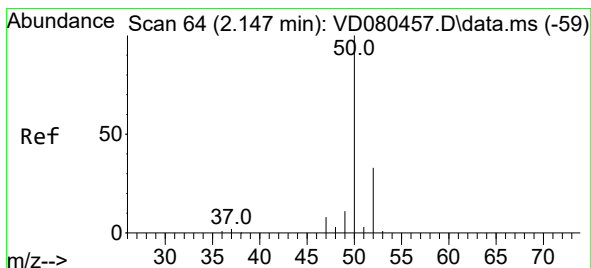
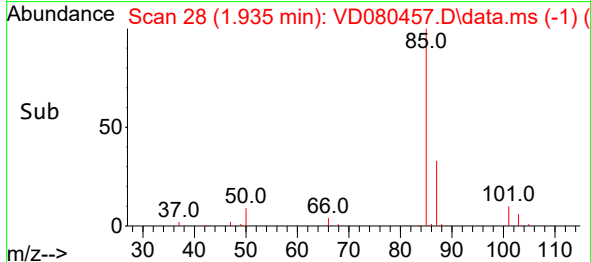
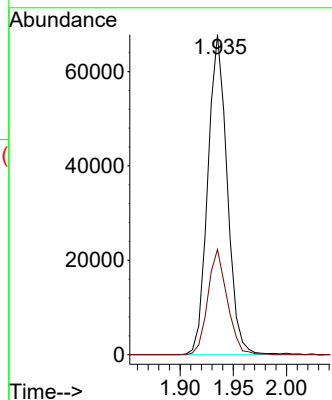
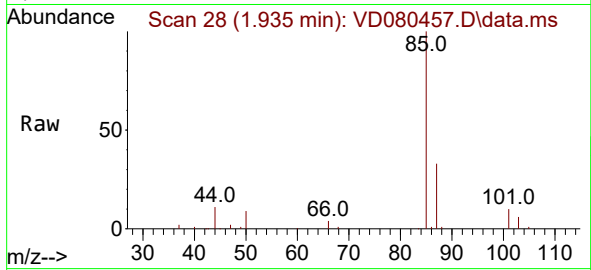




#2
 Dichlorodifluoromethane
 Concen: 23.28 ug/L
 RT: 1.935 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VD080457.D
 Acq: 19 Jun 2025 10:26

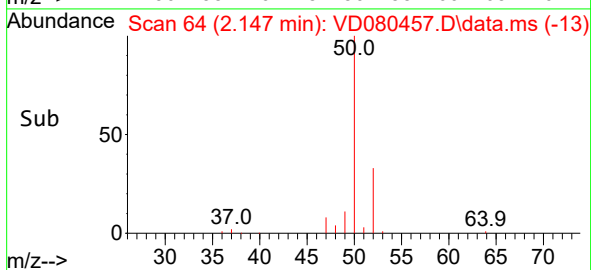
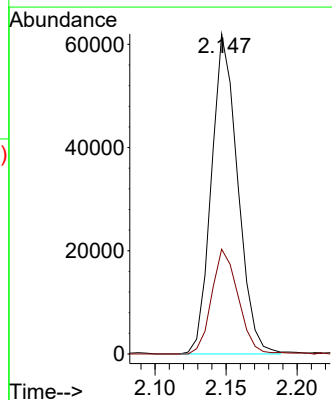
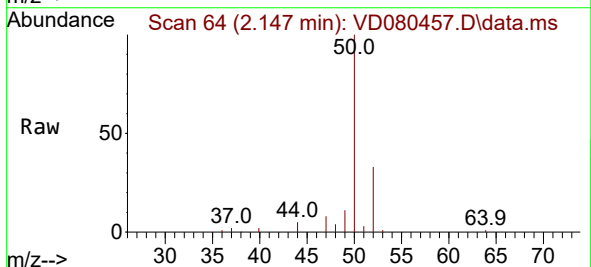
Instrument :
 MSVOA_D
 ClientSampleId :
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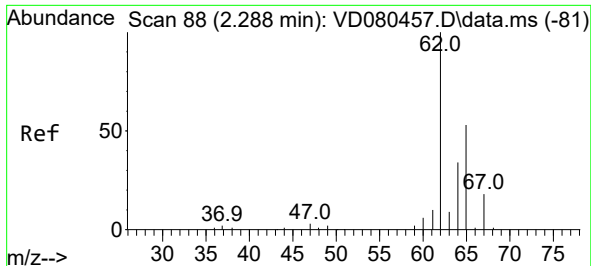
Tgt Ion: 85 Resp: 85729
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.9 38.9



#3
 Chloromethane
 Concen: 23.12 ug/L
 RT: 2.147 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: VD080457.D
 Acq: 19 Jun 2025 10:26

Tgt Ion: 50 Resp: 79914
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.8 44.2

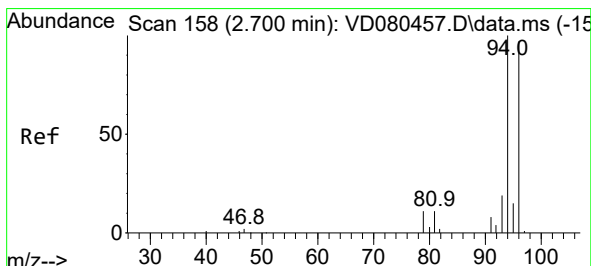
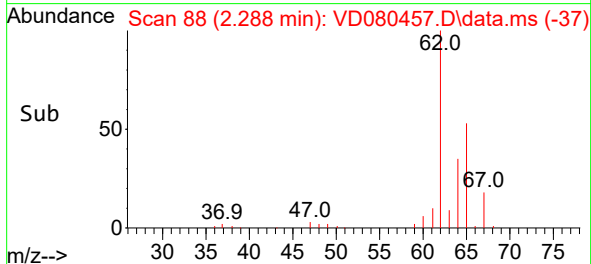
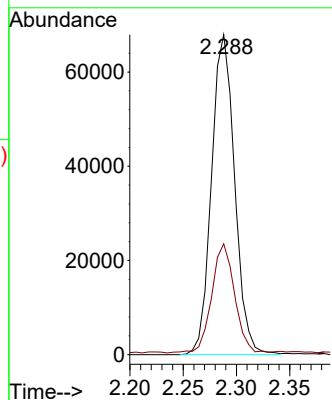
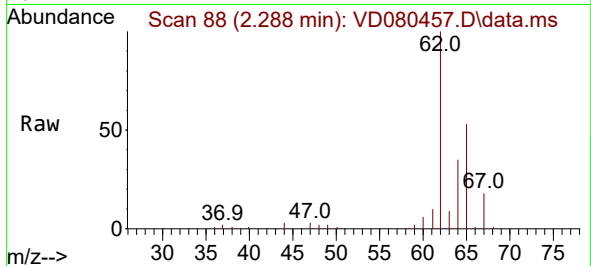




#5
 Vinyl chloride
 Concen: 24.34 ug/L
 RT: 2.288 min Scan# 88
 Delta R.T. 0.000 min
 Lab File: VD080457.D
 Acq: 19 Jun 2025 10:26

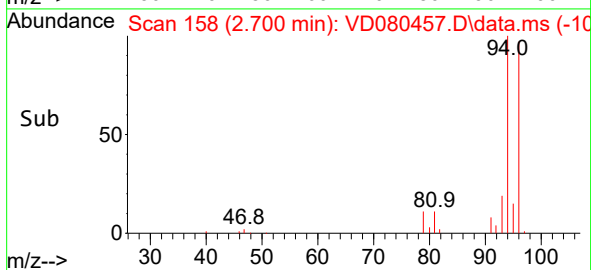
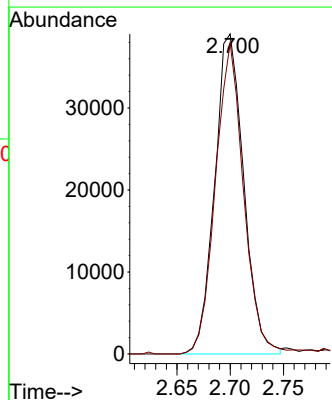
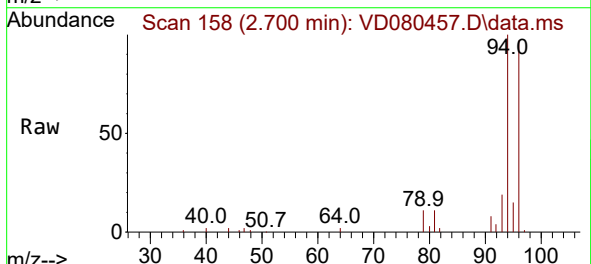
Instrument :
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 ClientSampleId :
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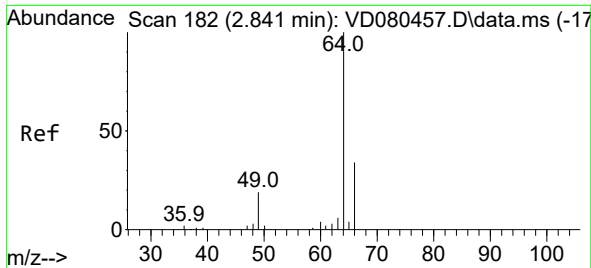
Tgt Ion: 62 Resp: 102648
 Ion Ratio Lower Upper
 62 100
 64 34.6 25.6 47.6



#6
 Bromomethane
 Concen: 28.22 ug/L
 RT: 2.700 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VD080457.D
 Acq: 19 Jun 2025 10:26

Tgt Ion: 94 Resp: 73899
 Ion Ratio Lower Upper
 94 100
 96 97.2 67.6 125.6

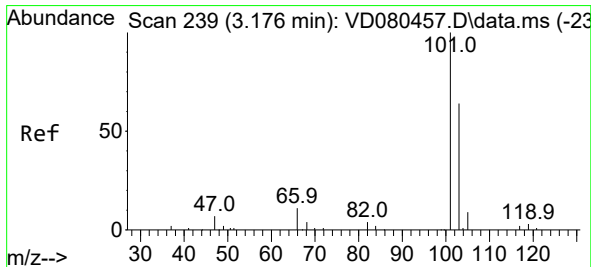
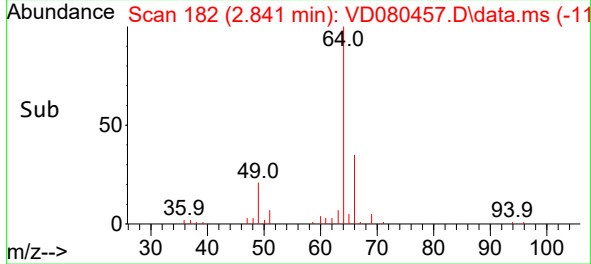
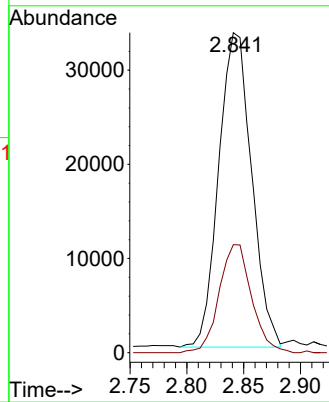
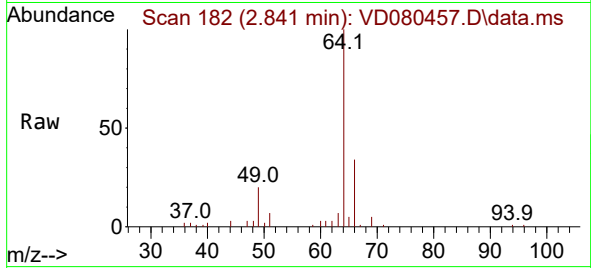




#8
Chloroethane
Concen: 23.15 ug/L
RT: 2.841 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

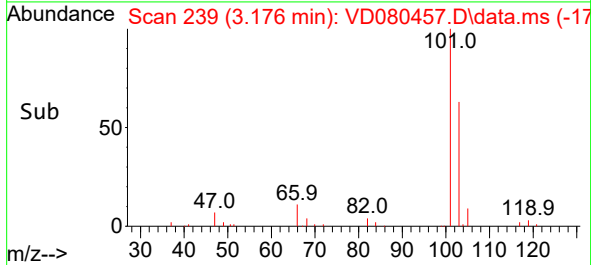
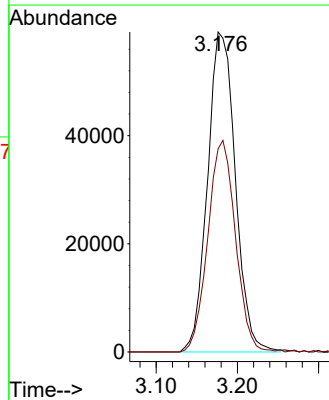
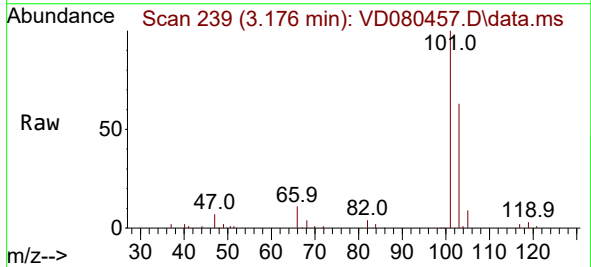
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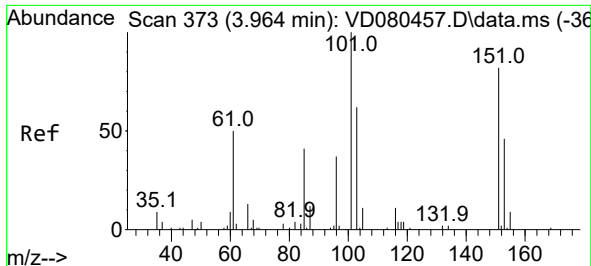
Tgt Ion: 64 Resp: 67205
Ion Ratio Lower Upper
64 100
66 33.8 23.9 44.3



#9
Trichlorofluoromethane
Concen: 24.34 ug/L
RT: 3.176 min Scan# 239
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion:101 Resp: 140907
Ion Ratio Lower Upper
101 100
103 65.6 51.0 76.4

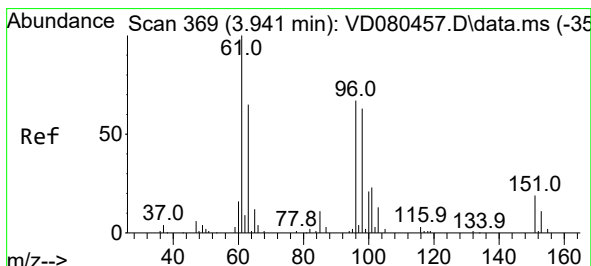
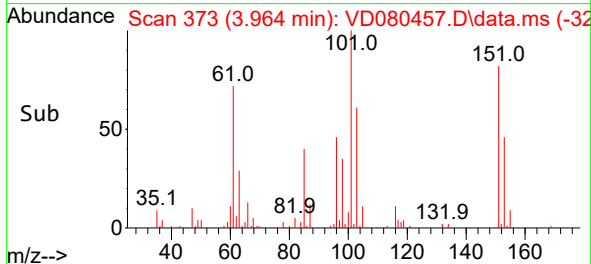
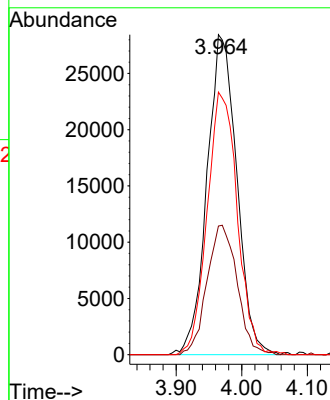
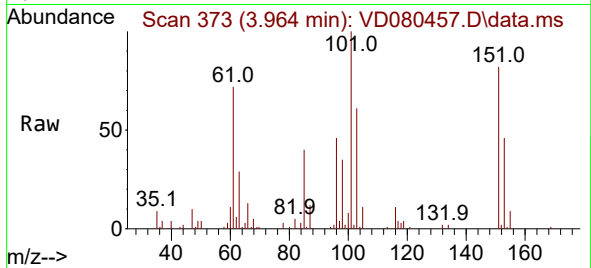




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.87 ug/L
 RT: 3.964 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VD080457.D
 Acq: 19 Jun 2025 10:26

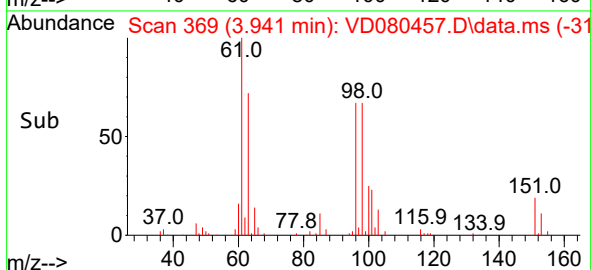
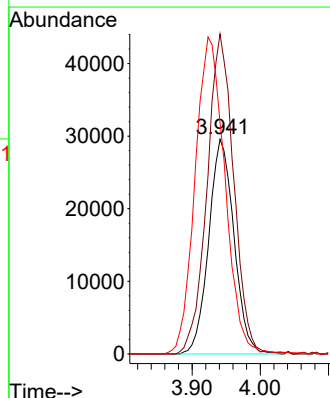
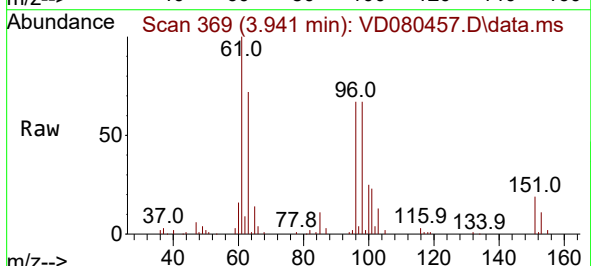
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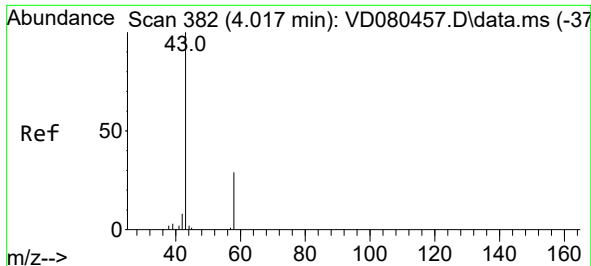
Tgt Ion:101 Resp: 89354
 Ion Ratio Lower Upper
 101 100
 85 41.1 32.0 48.0
 151 82.8 63.7 95.5



#12
 1,1-Dichloroethene
 Concen: 26.13 ug/L
 RT: 3.941 min Scan# 369
 Delta R.T. 0.000 min
 Lab File: VD080457.D
 Acq: 19 Jun 2025 10:26

Tgt Ion: 96 Resp: 76246
 Ion Ratio Lower Upper
 96 100
 61 149.1 103.0 191.4
 63 107.7 66.4 123.2





#13

Acetone

Concen: 77.73 ug/L

RT: 4.017 min Scan# 382

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

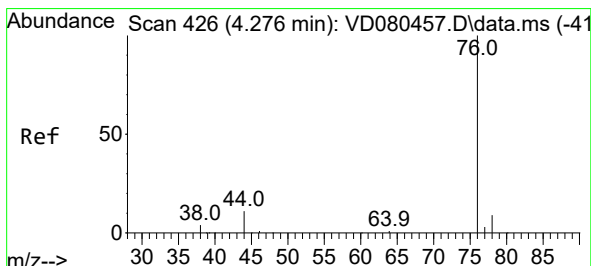
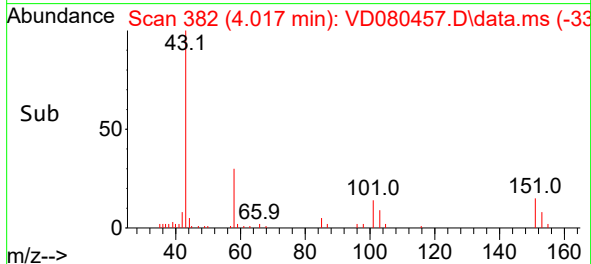
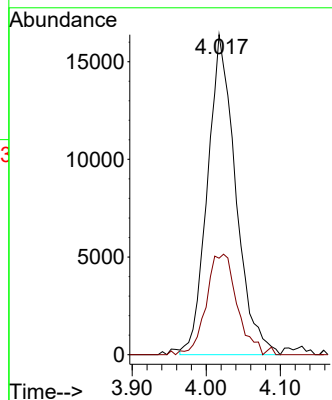
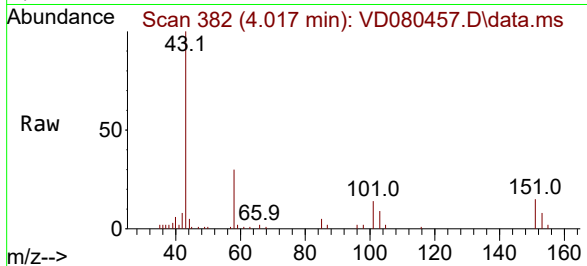
VSTD025508

Tgt Ion: 43 Resp: 43339

Ion Ratio Lower Upper

43 100

58 15.1 0.0 71.0



#14

Carbon disulfide

Concen: 25.37 ug/L

RT: 4.276 min Scan# 426

Delta R.T. 0.000 min

Lab File: VD080457.D

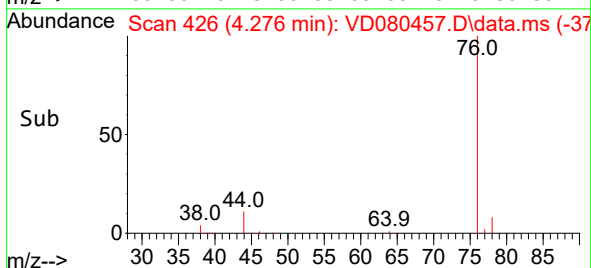
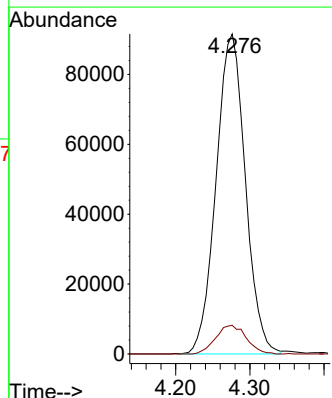
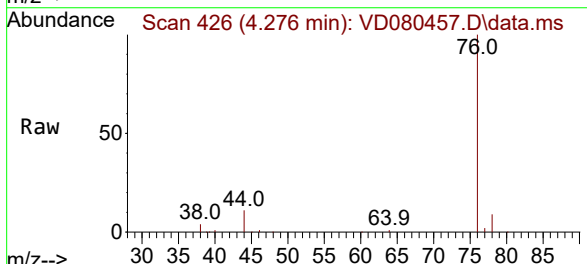
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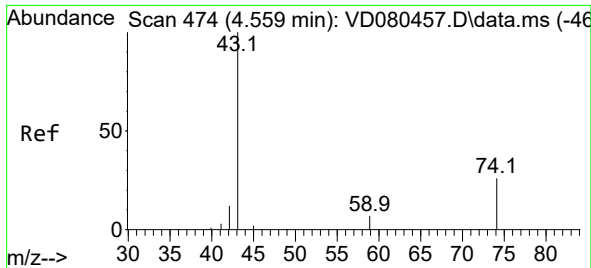
Tgt Ion: 76 Resp: 251231

Ion Ratio Lower Upper

76 100

78 8.9 7.9 11.9

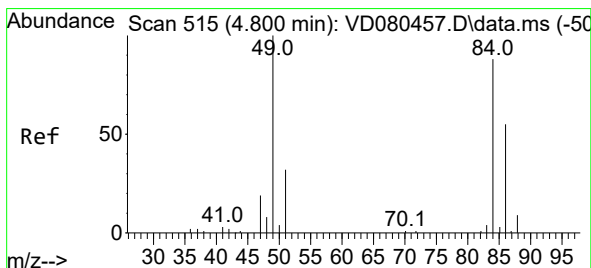
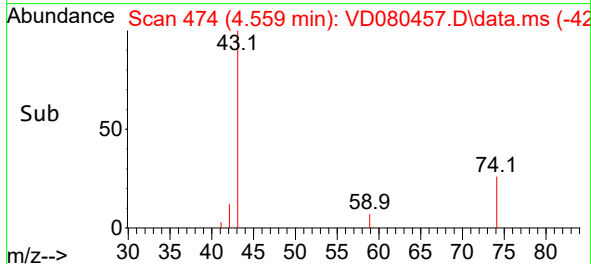
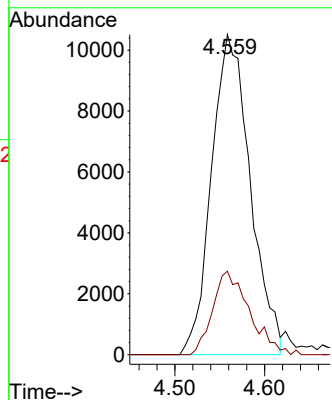
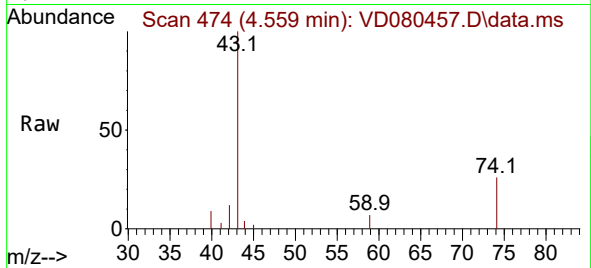




#15
Methyl Acetate
Concen: 23.44 ug/L
RT: 4.559 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

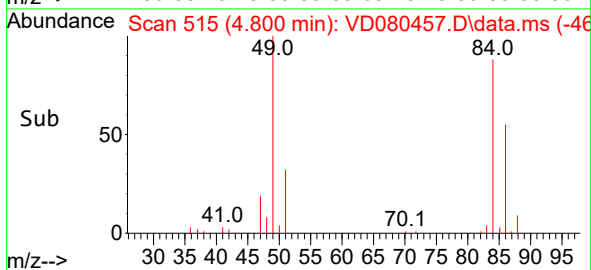
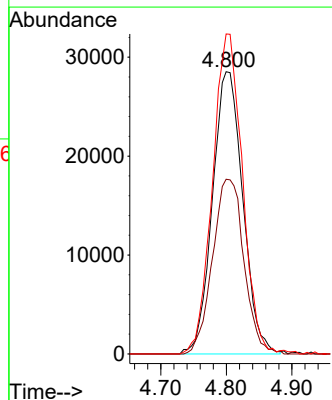
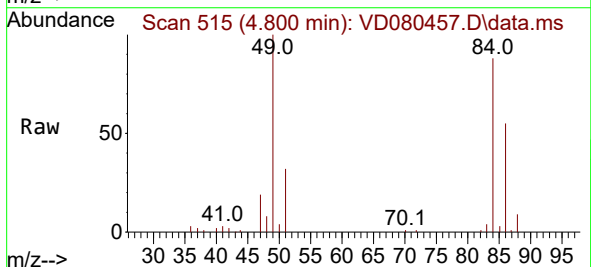
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

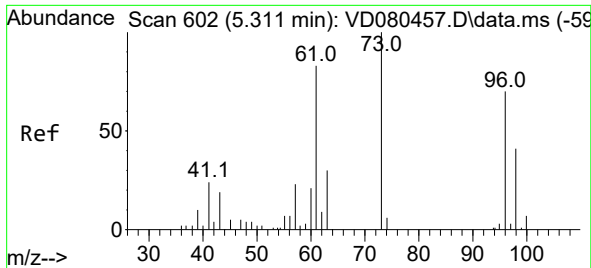
Tgt Ion: 43 Resp: 31516
Ion Ratio Lower Upper
43 100
74 22.3 20.3 30.5



#16
Methylene chloride
Concen: 25.44 ug/L
RT: 4.800 min Scan# 515
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 84 Resp: 91758
Ion Ratio Lower Upper
84 100
86 61.9 46.7 86.7
49 113.4 83.0 154.1

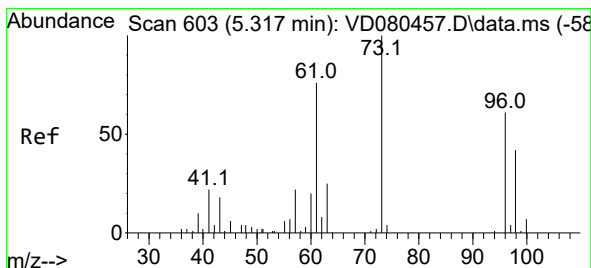
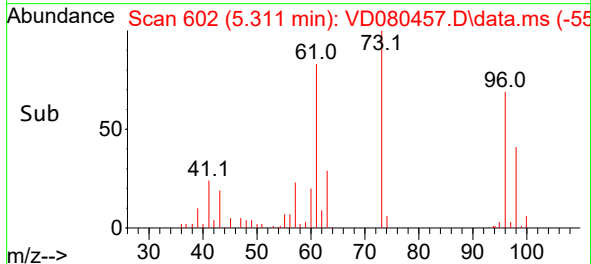
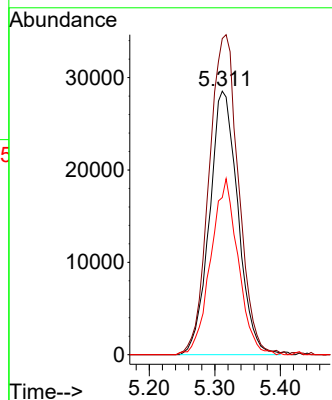
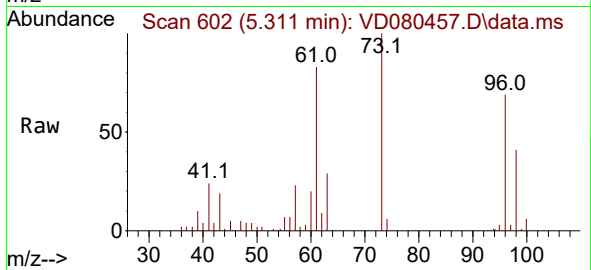




#17
trans-1,2-Dichloroethene
Concen: 28.09 ug/L
RT: 5.311 min Scan# 602
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

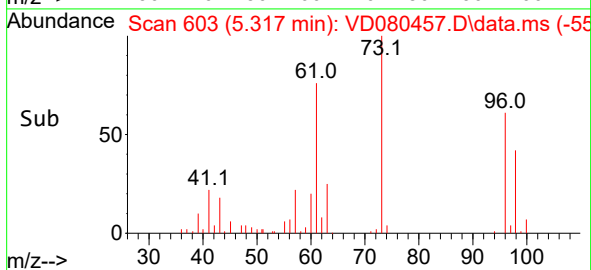
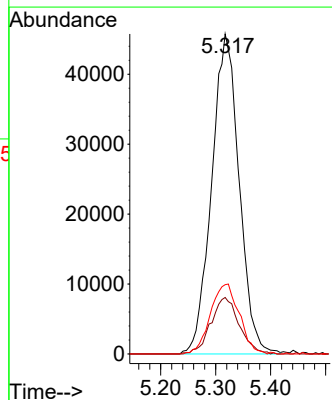
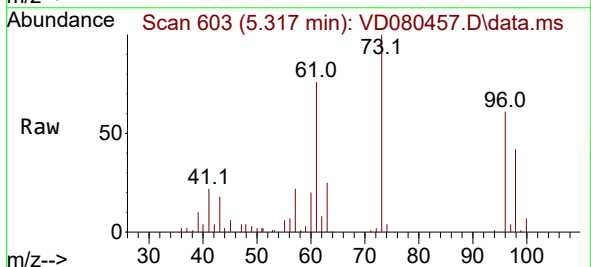
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

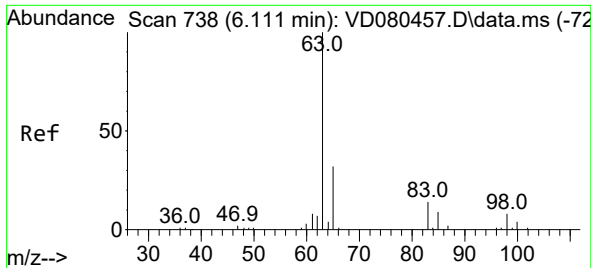
Tgt Ion: 96 Resp: 85844
Ion Ratio Lower Upper
96 100
61 120.0 82.0 152.2
98 59.6 40.3 74.8



#18
Methyl tert-butyl Ether
Concen: 25.87 ug/L
RT: 5.317 min Scan# 603
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 73 Resp: 159071
Ion Ratio Lower Upper
73 100
43 18.1 15.8 23.8
57 22.9 17.6 26.4





#19

1,1-Dichloroethane

Concen: 25.80 ug/L

RT: 6.111 min Scan# 738

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025508

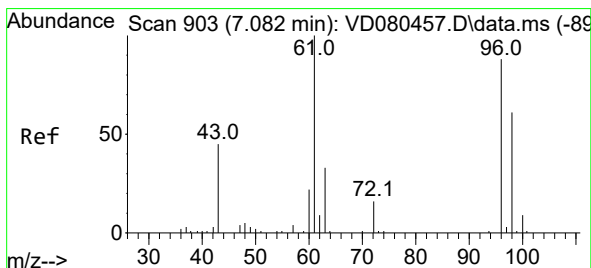
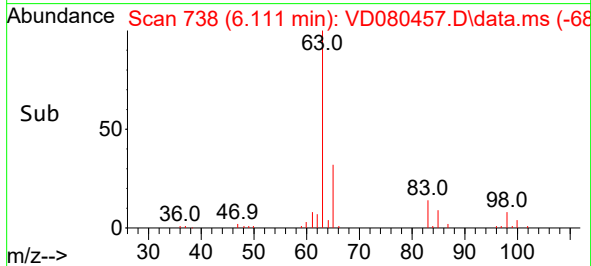
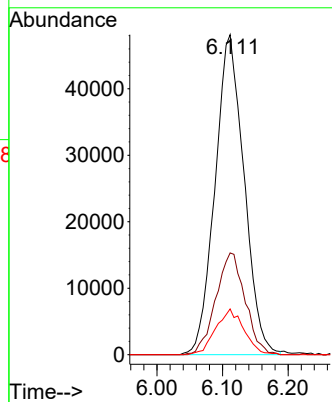
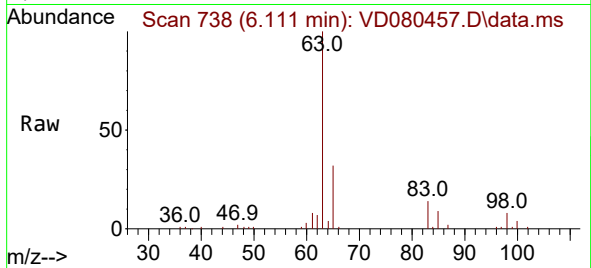
Tgt Ion: 63 Resp: 147834

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 14.3 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 27.26 ug/L

RT: 7.082 min Scan# 903

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

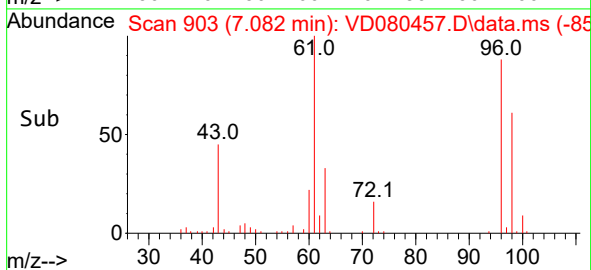
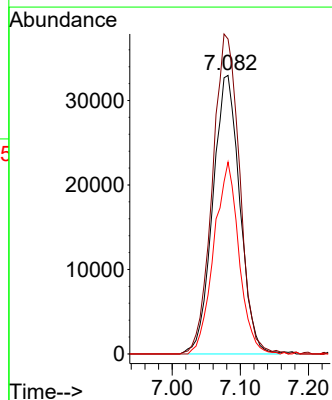
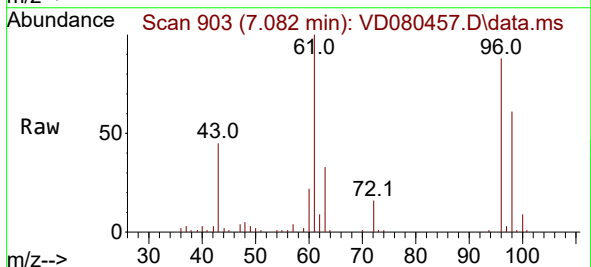
Tgt Ion: 96 Resp: 90823

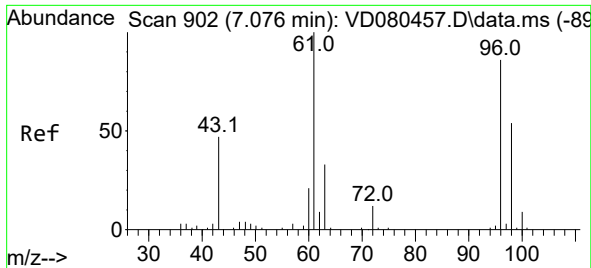
Ion Ratio Lower Upper

96 100

61 113.1 75.8 140.8

98 68.8 45.9 85.3

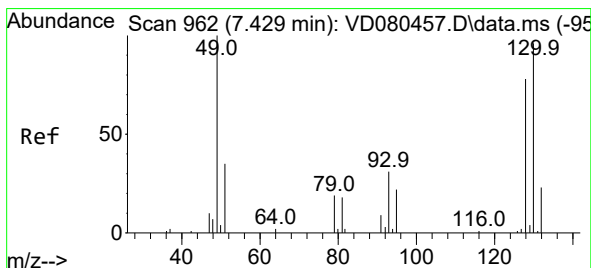
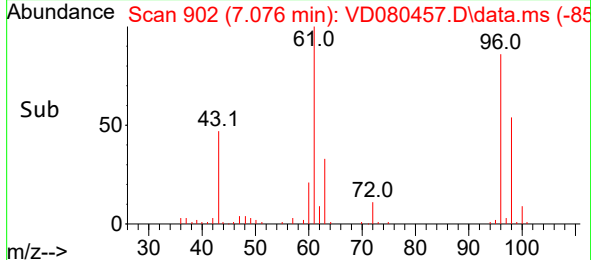
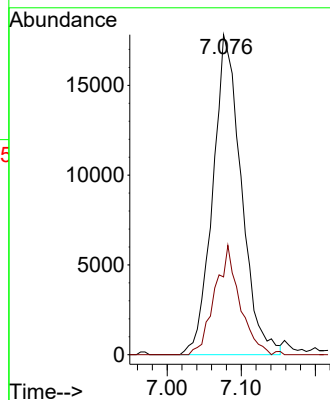
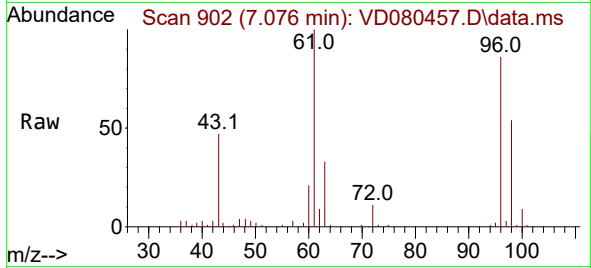




#22
2-Butanone
Concen: 58.84 ug/L
RT: 7.076 min Scan# 902
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

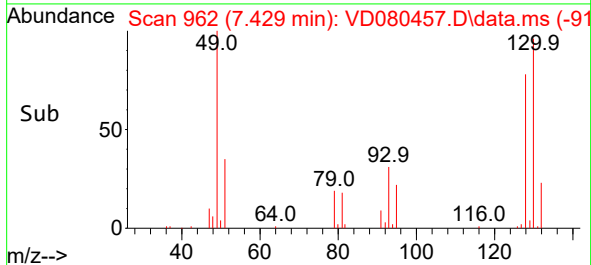
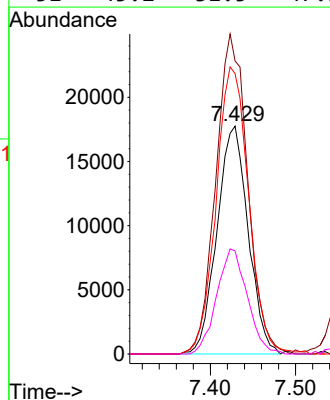
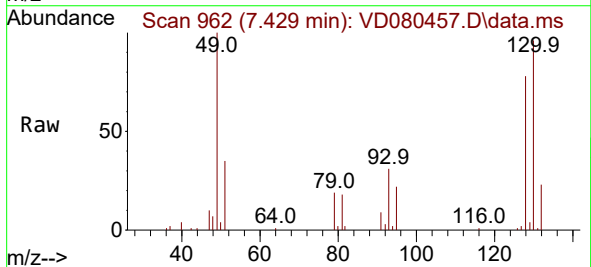
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

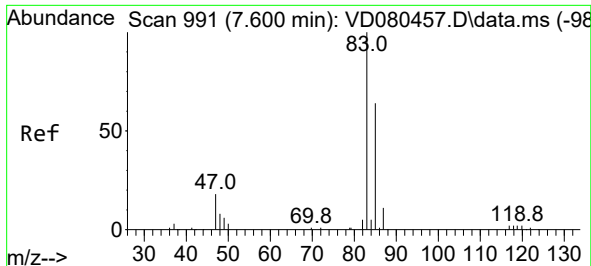
Tgt Ion: 43 Resp: 47631
Ion Ratio Lower Upper
43 100
72 29.8 14.9 44.5



#23
Bromochloromethane
Concen: 25.21 ug/L
RT: 7.429 min Scan# 962
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 128 Resp: 45154
Ion Ratio Lower Upper
128 100
49 128.6 89.5 166.3
130 123.1 82.5 153.1
51 45.2 31.5 47.3

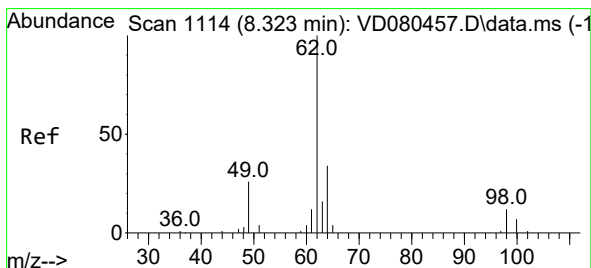
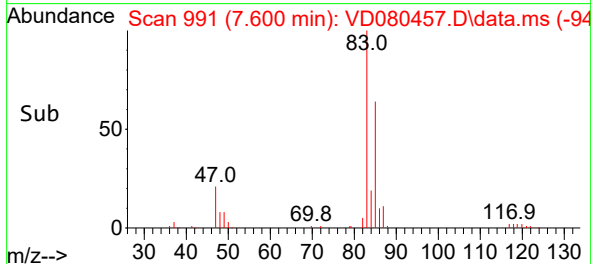
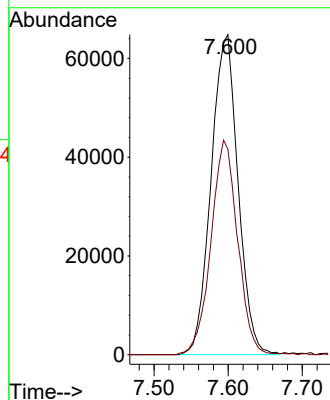
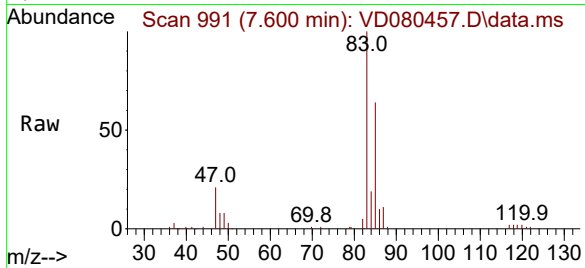




#25
Chloroform
Concen: 24.84 ug/L
RT: 7.600 min Scan# 991
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

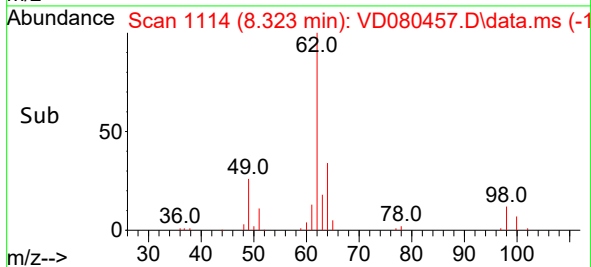
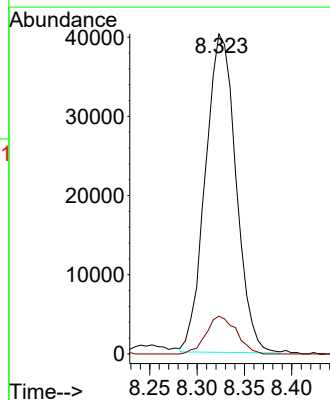
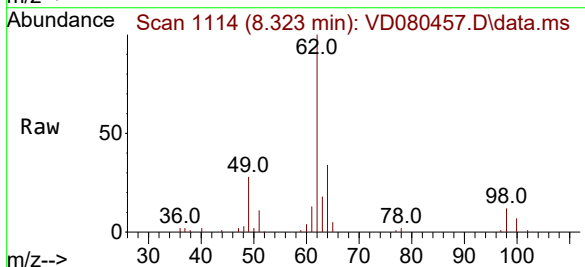
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

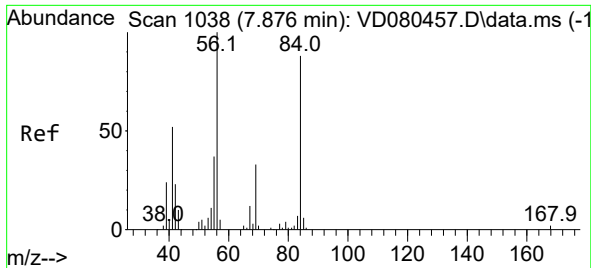
Tgt Ion: 83 Resp: 163857
Ion Ratio Lower Upper
83 100
85 64.2 42.0 78.0



#27
1,2-Dichloroethane
Concen: 24.41 ug/L
RT: 8.323 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 62 Resp: 90397
Ion Ratio Lower Upper
62 100
98 11.8 9.4 14.2





#29

Cyclohexane

Concen: 29.29 ug/L

RT: 7.876 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025508

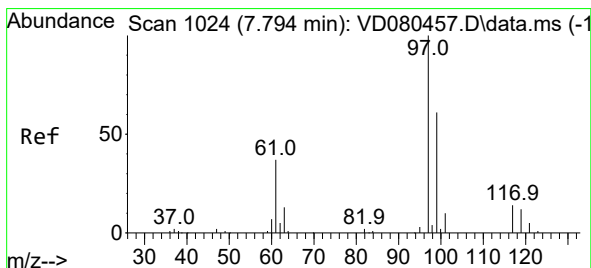
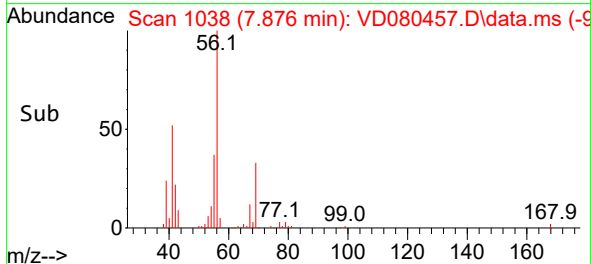
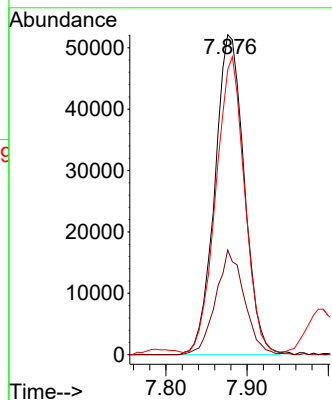
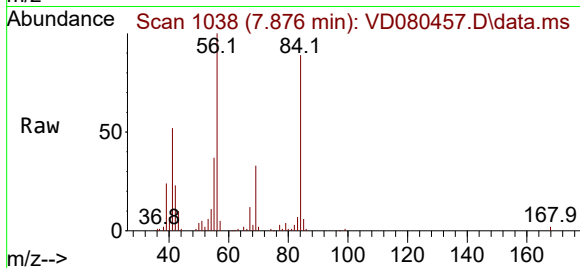
Tgt Ion: 56 Resp: 131148

Ion Ratio Lower Upper

56 100

69 31.7 25.7 38.5

84 91.7 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 27.13 ug/L

RT: 7.794 min Scan# 1024

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

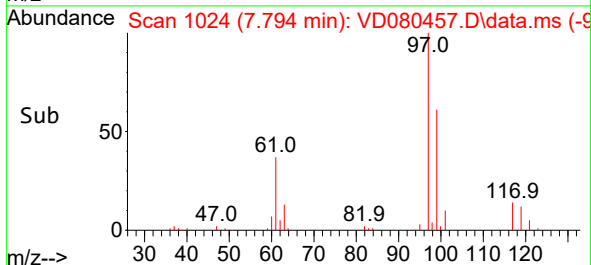
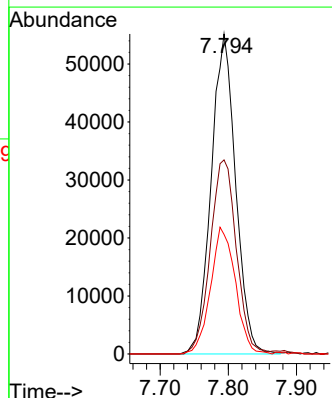
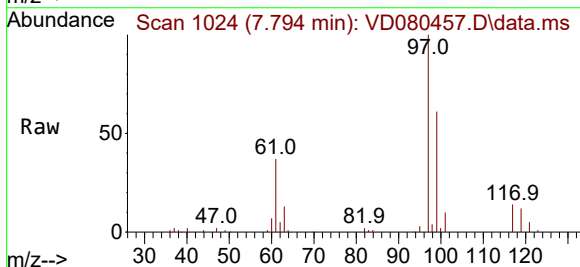
Tgt Ion: 97 Resp: 138008

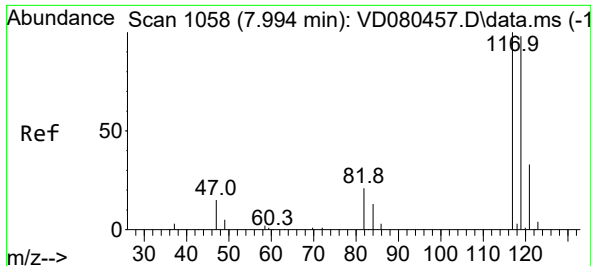
Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

61 40.1 32.4 48.6

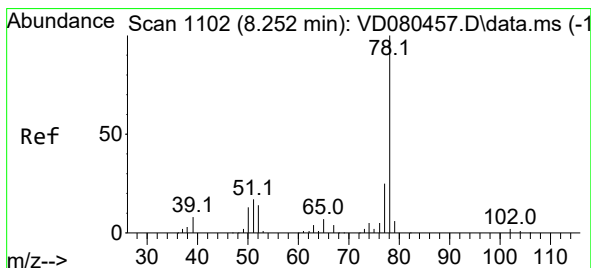
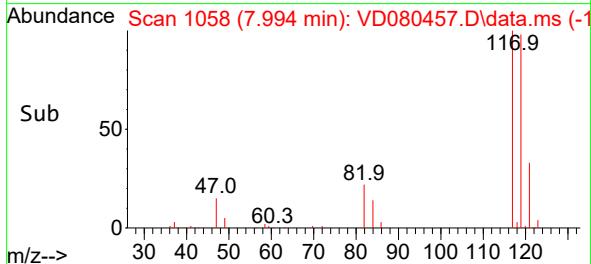
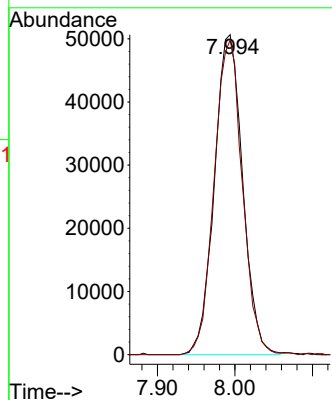
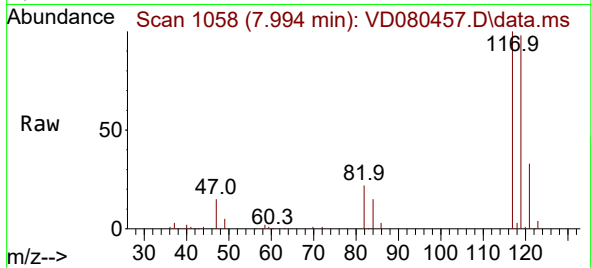




#31
Carbon tetrachloride
Concen: 26.32 ug/L
RT: 7.994 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

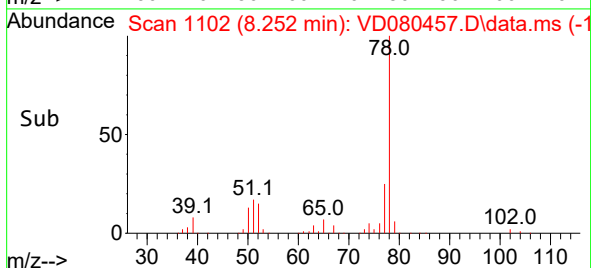
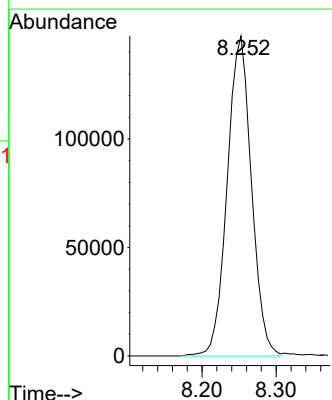
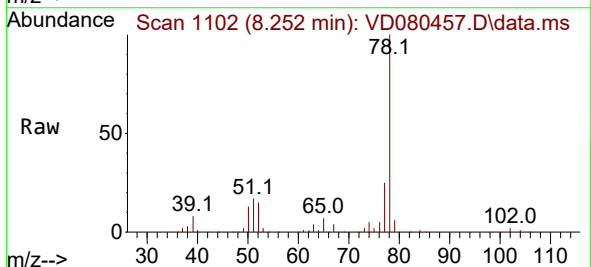
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

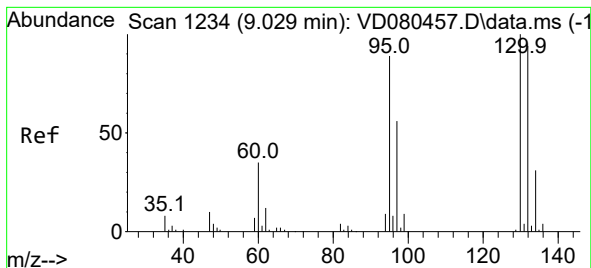
Tgt Ion:117 Resp: 128424
Ion Ratio Lower Upper
117 100
119 97.9 77.2 115.8



#33
Benzene
Concen: 28.32 ug/L
RT: 8.252 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 78 Resp: 334968





#34

Trichloroethene

Concen: 26.78 ug/L

RT: 9.029 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025508

Tgt Ion: 95 Resp: 91403

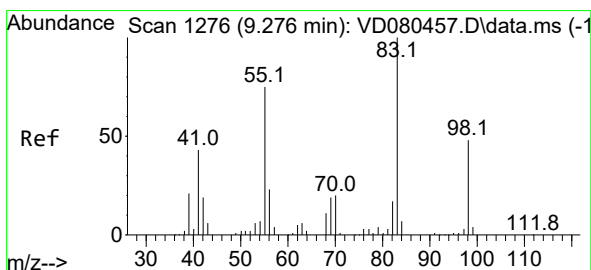
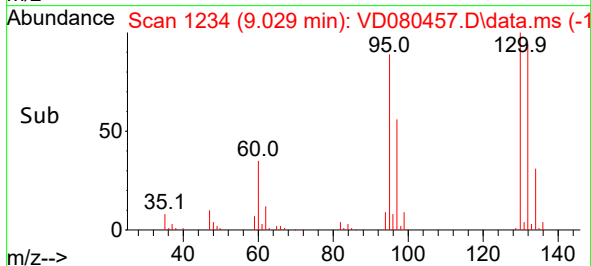
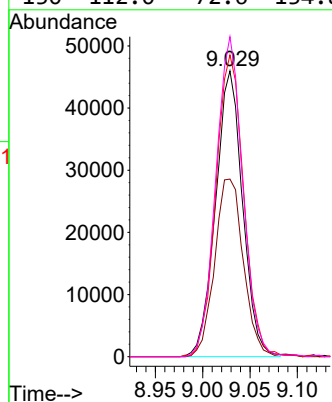
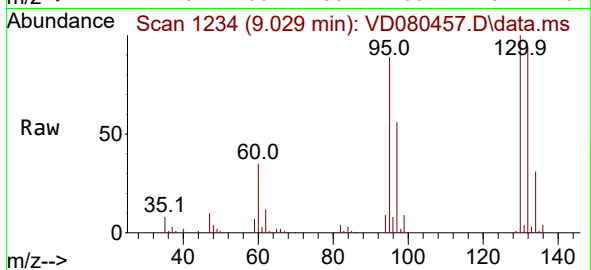
Ion Ratio Lower Upper

95 100

97 62.2 41.5 77.1

132 105.6 69.1 128.3

130 112.0 72.6 134.8



#35

Methylcyclohexane

Concen: 29.29 ug/L

RT: 9.276 min Scan# 1276

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

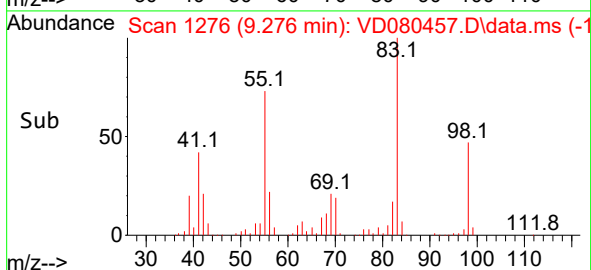
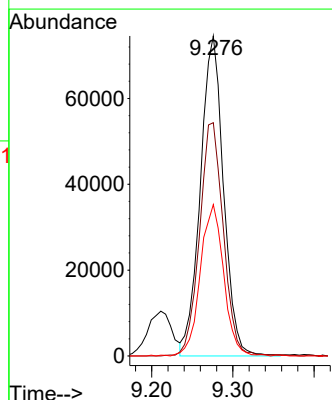
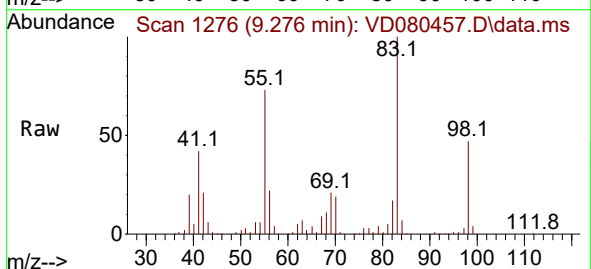
Tgt Ion: 83 Resp: 147694

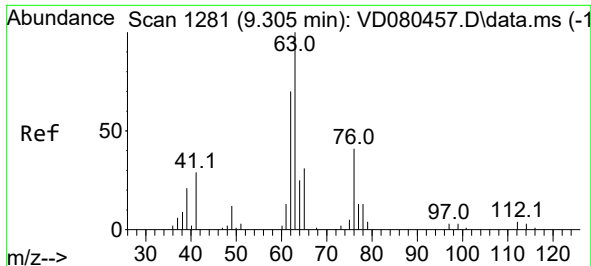
Ion Ratio Lower Upper

83 100

55 74.0 59.7 89.5

98 47.7 38.2 57.2





#37

1,2-Dichloropropane

Concen: 27.97 ug/L

RT: 9.305 min Scan# 1281

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

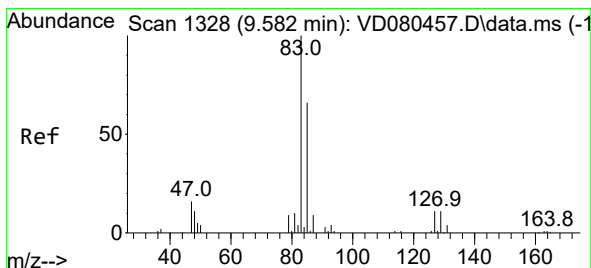
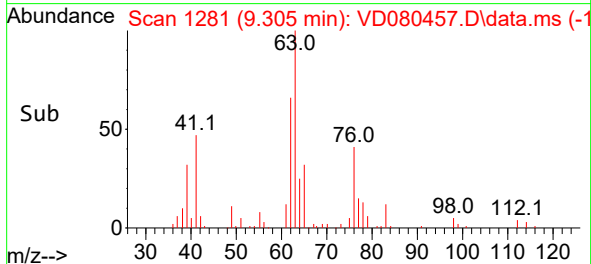
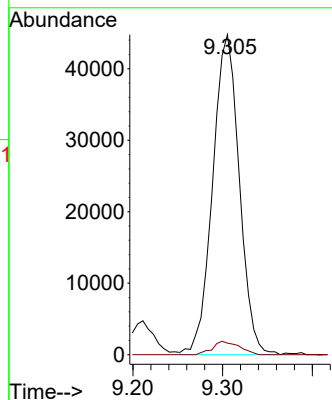
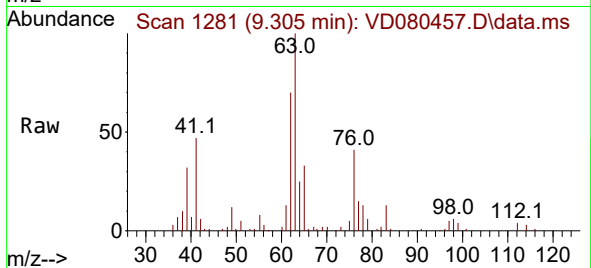
VSTD025508

Tgt Ion: 63 Resp: 92292

Ion Ratio Lower Upper

63 100

112 4.2 3.9 5.9



#38

Bromodichloromethane

Concen: 26.93 ug/L

RT: 9.582 min Scan# 1328

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

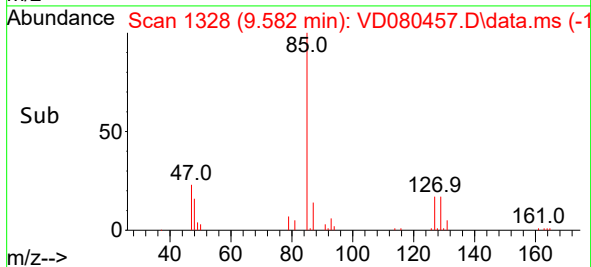
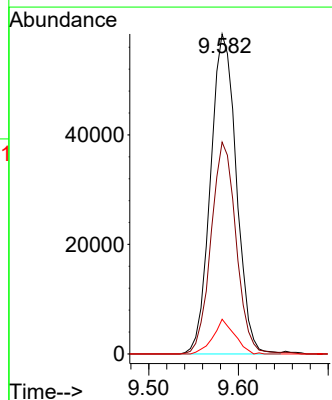
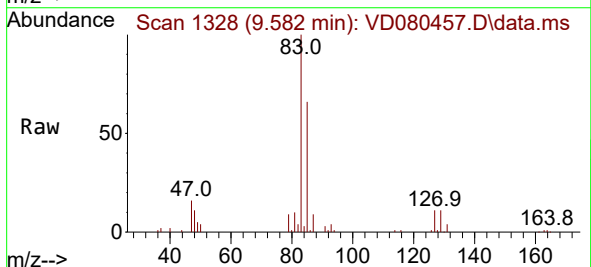
Tgt Ion: 83 Resp: 116822

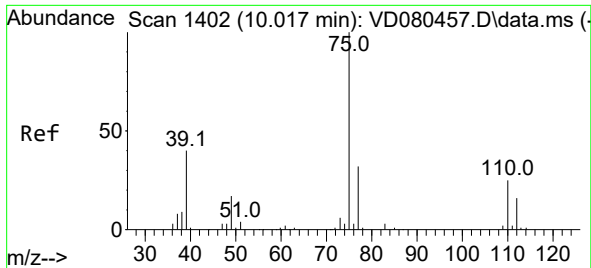
Ion Ratio Lower Upper

83 100

85 66.2 45.2 84.0

127 10.9 6.2 9.4#

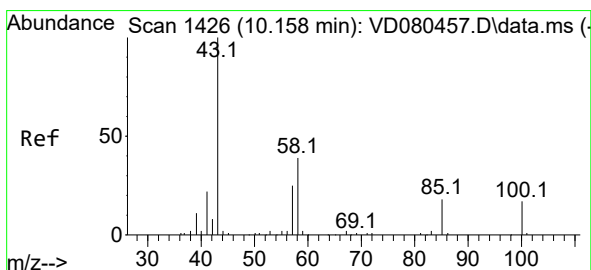
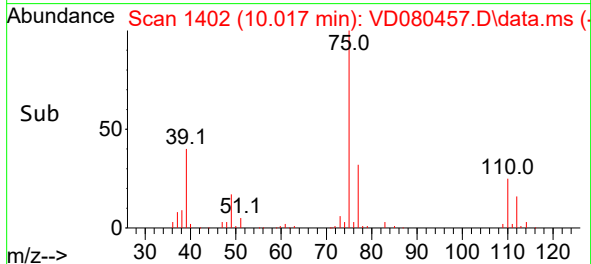
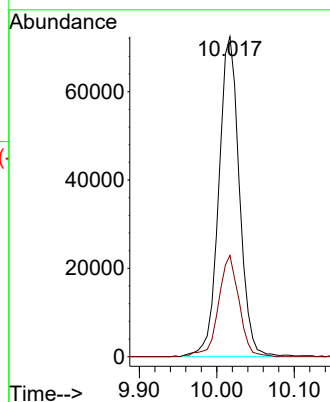
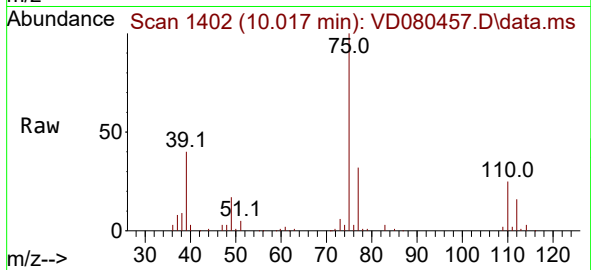




#39
cis-1,3-Dichloropropene
Concen: 27.19 ug/L
RT: 10.017 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

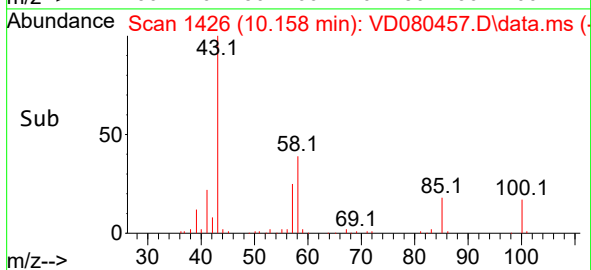
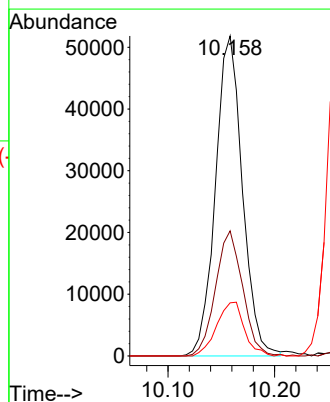
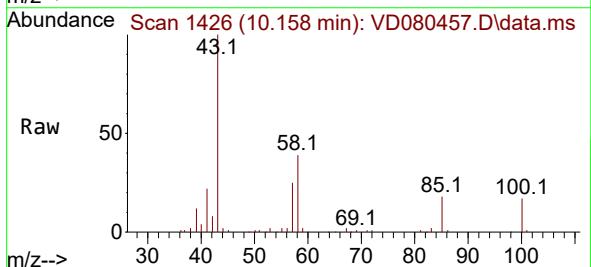
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

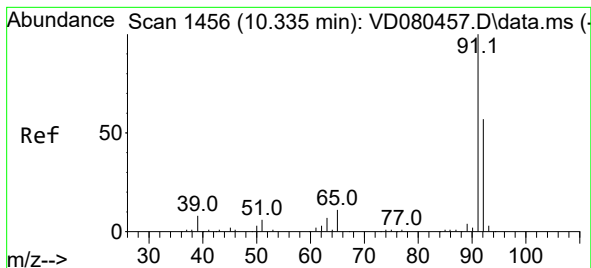
Tgt Ion: 75 Resp: 134237
Ion Ratio Lower Upper
75 100
77 31.6 24.1 44.7



#40
4-Methyl-2-pentanone
Concen: 53.86 ug/L
RT: 10.158 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 43 Resp: 91065
Ion Ratio Lower Upper
43 100
58 39.3 31.7 47.5
100 17.3 13.4 20.0





#42

Toluene

Concen: 29.68 ug/L

RT: 10.335 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

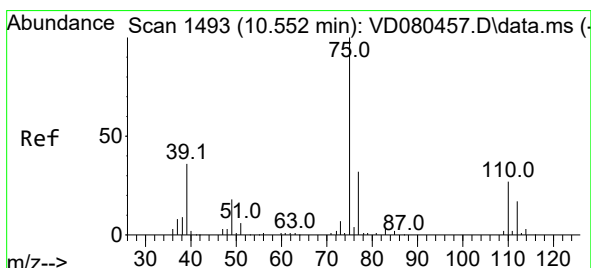
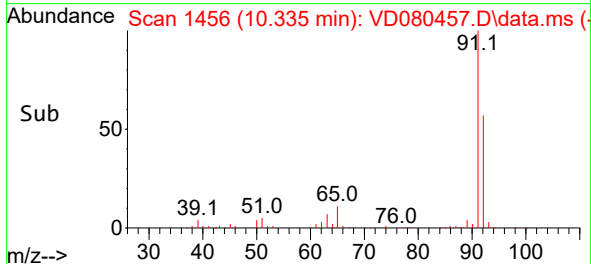
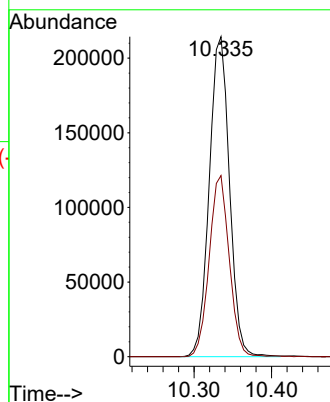
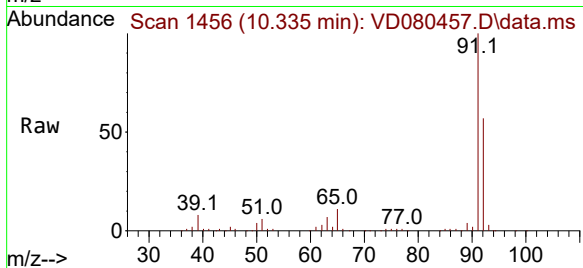
VSTD025508

Tgt Ion: 91 Resp: 388091

Ion Ratio Lower Upper

91 100

92 56.6 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 28.39 ug/L

RT: 10.552 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VD080457.D

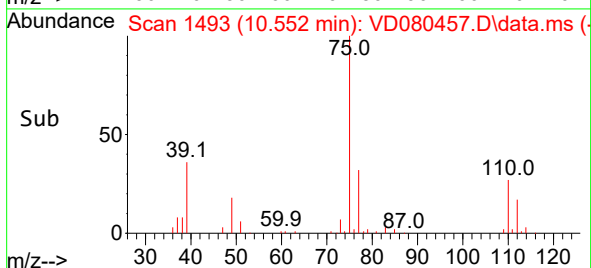
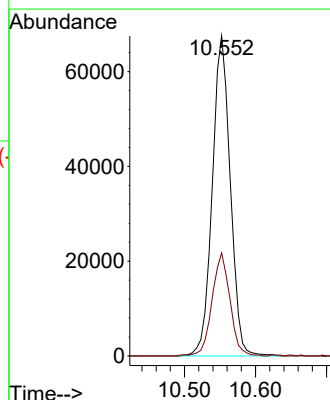
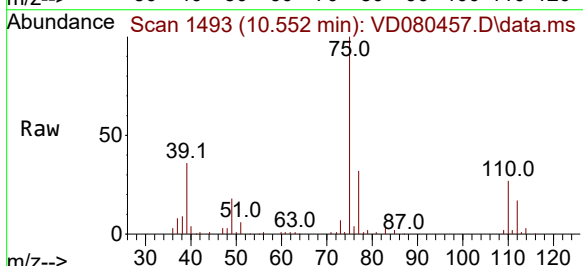
Acq: 19 Jun 2025 10:26

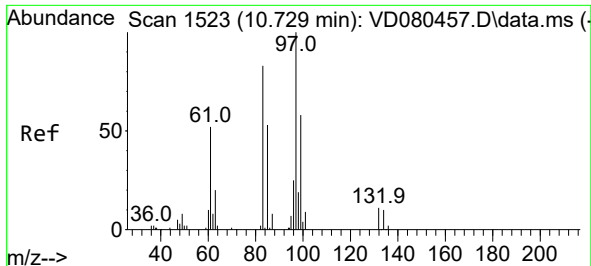
Tgt Ion: 75 Resp: 118662

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.6

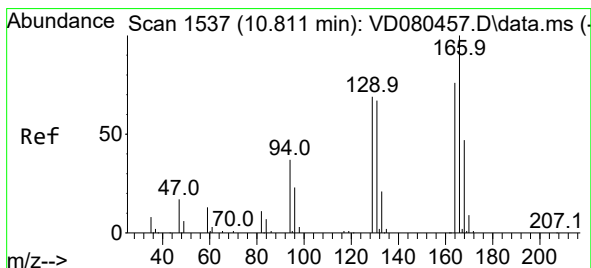
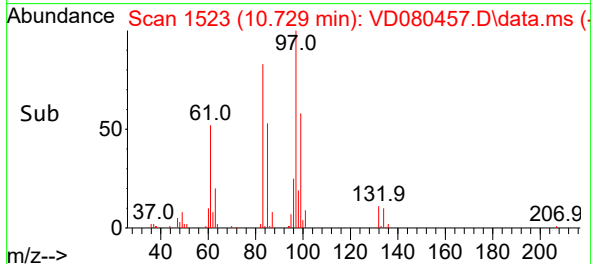
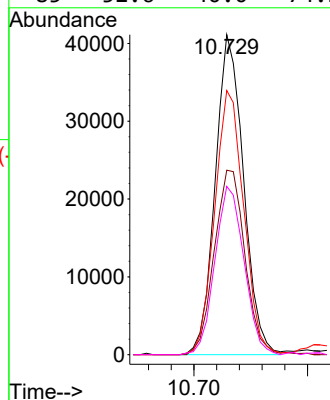
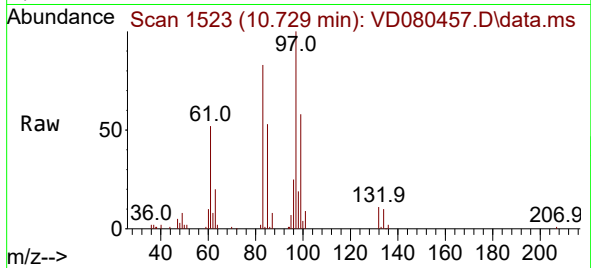




#45
1,1,2-Trichloroethane
Concen: 26.52 ug/L
RT: 10.729 min Scan# 1523
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

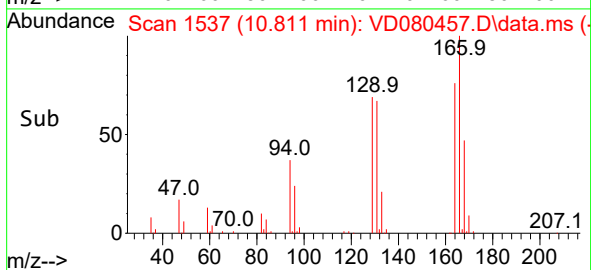
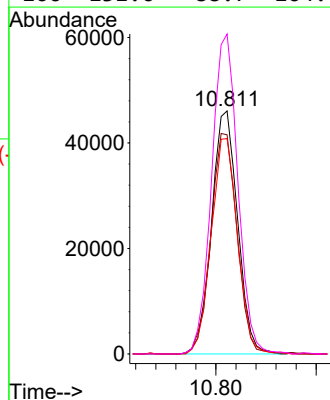
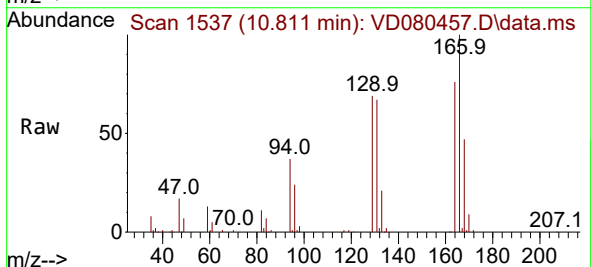
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

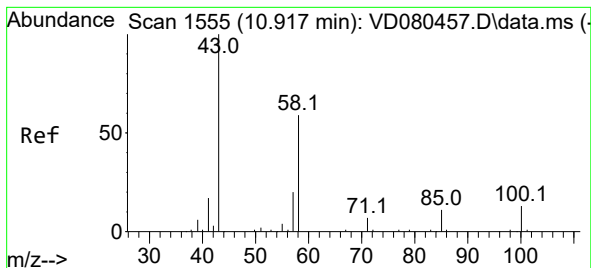
Tgt Ion:	97	Resp:	71104
Ion	Ratio	Lower	Upper
97	100		
99	57.6	46.5	86.3
83	82.5	58.5	108.7
85	52.6	40.0	74.2



#46
Tetrachloroethene
Concen: 27.20 ug/L
RT: 10.811 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion:	164	Resp:	83024
Ion	Ratio	Lower	Upper
164	100		
129	90.2	59.7	110.9
131	88.6	58.7	109.1
166	131.6	88.7	164.7





#48

2-Hexanone

Concen: 58.86 ug/L

RT: 10.917 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025508

Tgt Ion: 43 Resp: 72526

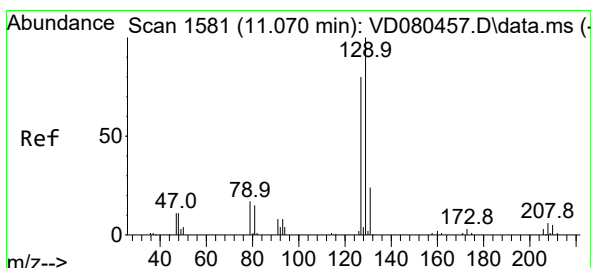
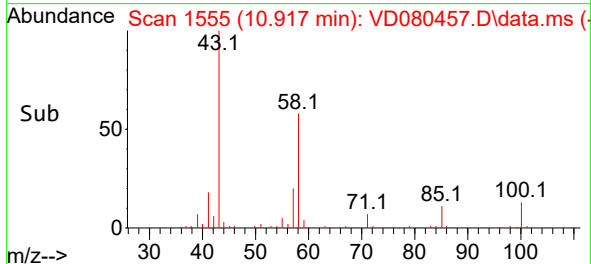
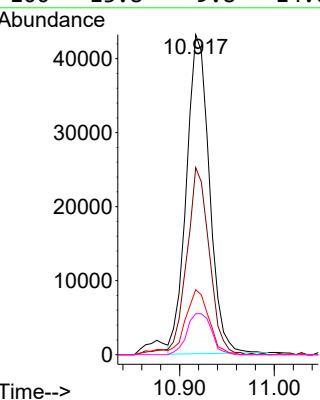
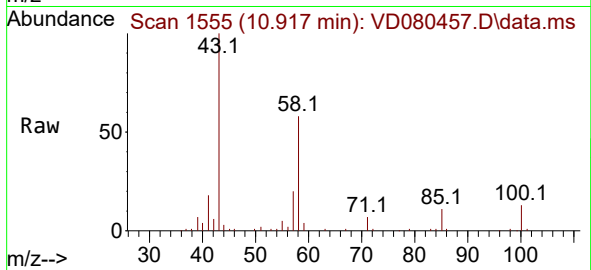
Ion Ratio Lower Upper

43 100

58 57.3 43.8 65.6

57 20.5 15.6 23.4

100 13.8 9.8 14.6



#49

Dibromochloromethane

Concen: 26.41 ug/L

RT: 11.070 min Scan# 1581

Delta R.T. 0.000 min

Lab File: VD080457.D

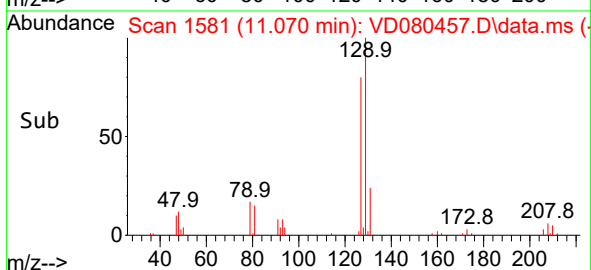
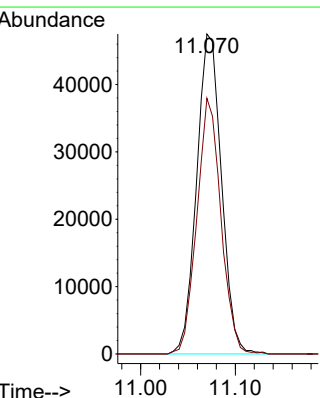
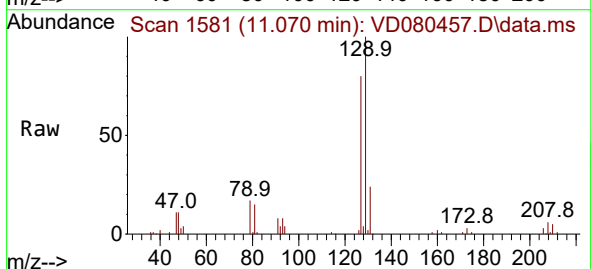
Acq: 19 Jun 2025 10:26

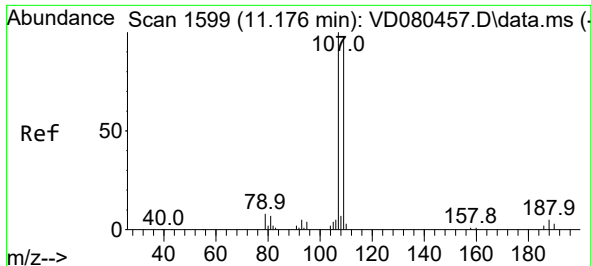
Tgt Ion: 129 Resp: 86505

Ion Ratio Lower Upper

129 100

127 79.9 54.1 100.5

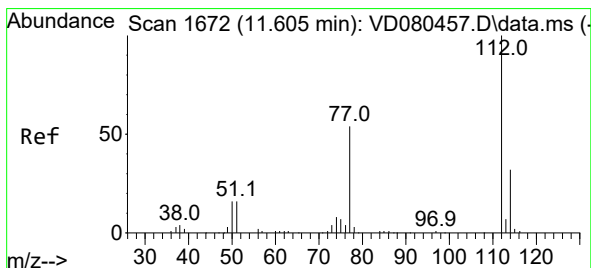
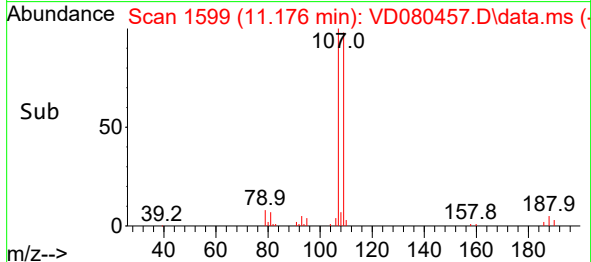
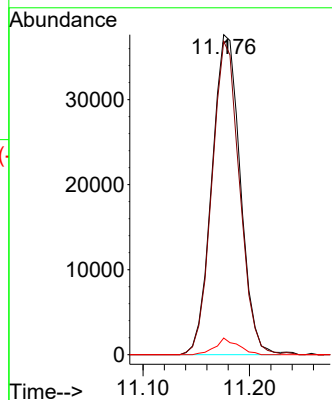
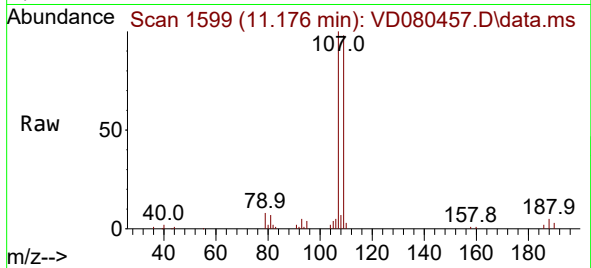




#50
1,2-Dibromoethane
Concen: 26.93 ug/L
RT: 11.176 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

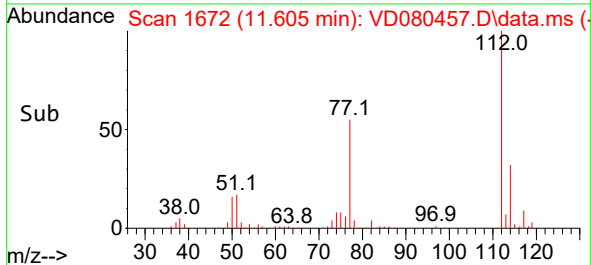
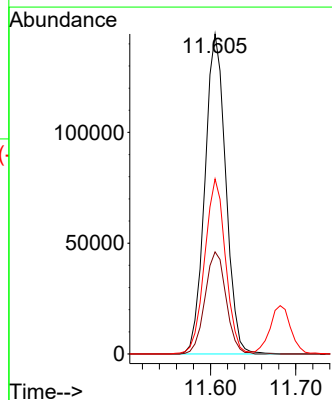
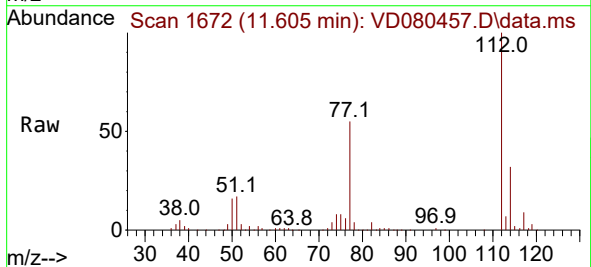
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

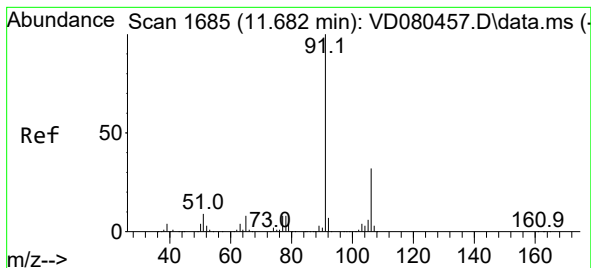
Tgt Ion:107 Resp: 69605
Ion Ratio Lower Upper
107 100
109 97.9 69.8 129.6
188 5.2 2.9 4.3#



#51
Chlorobenzene
Concen: 27.27 ug/L
RT: 11.605 min Scan# 1672
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion:112 Resp: 246010
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.3
77 54.7 44.2 66.4

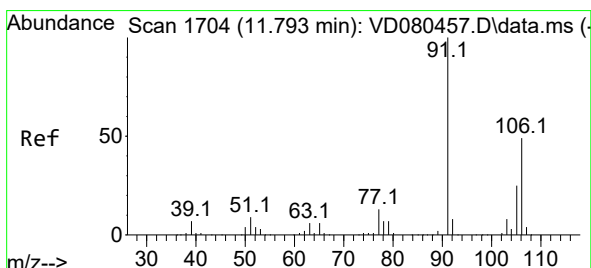
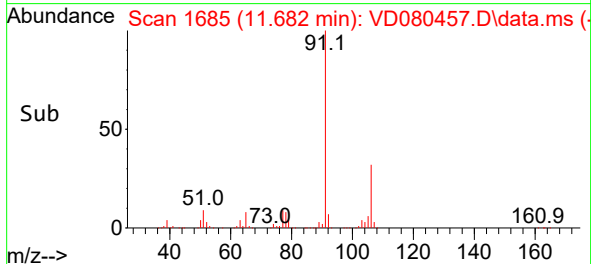
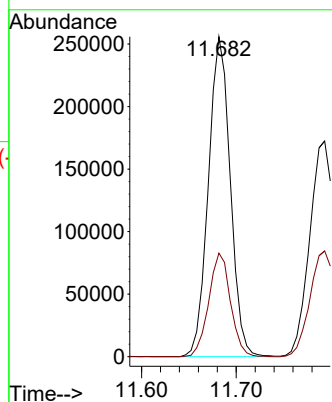
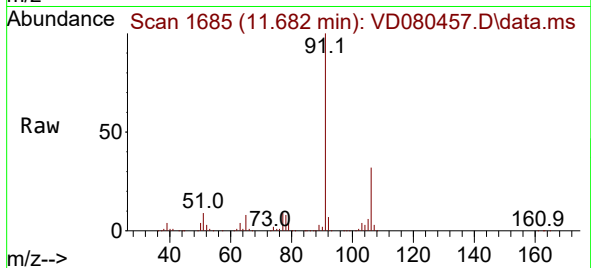




#52
Ethylbenzene
Concen: 29.01 ug/L
RT: 11.682 min Scan# 11685
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

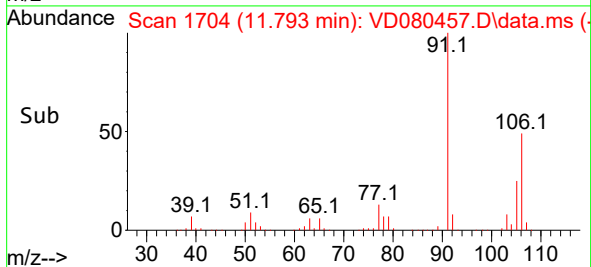
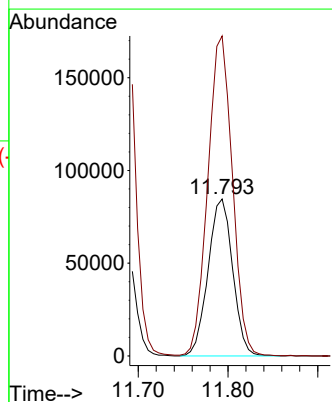
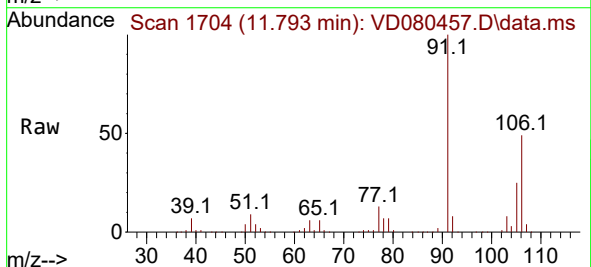
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

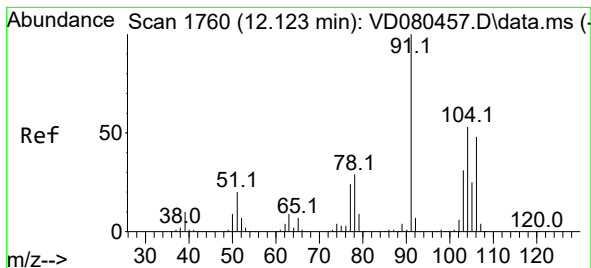
Tgt Ion: 91 Resp: 411447
Ion Ratio Lower Upper
91 100
106 32.4 22.1 41.1



#53
m,p-Xylene
Concen: 28.95 ug/L
RT: 11.793 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 106 Resp: 161132
Ion Ratio Lower Upper
106 100
91 204.0 134.1 249.1





#54

o-Xylene

Concen: 29.25 ug/L

RT: 12.123 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

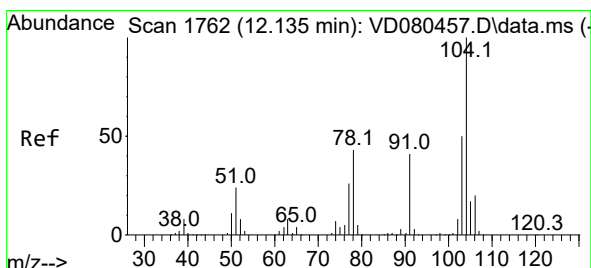
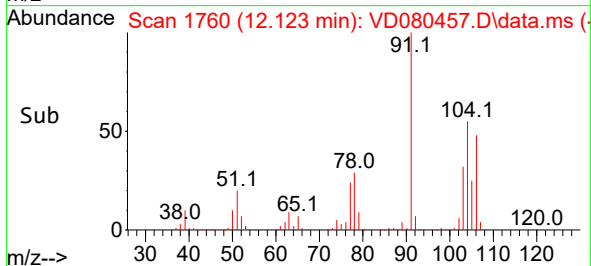
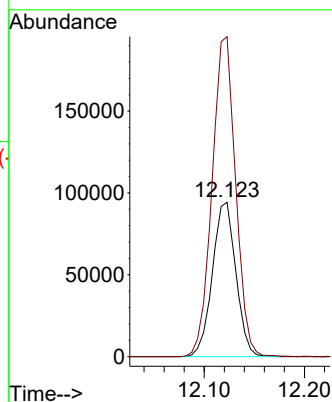
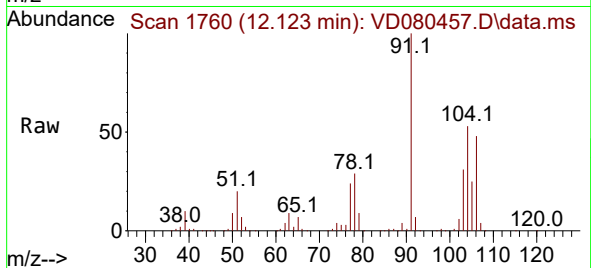
VSTD025508

Tgt Ion:106 Resp: 153447

Ion Ratio Lower Upper

106 100

91 207.3 148.3 275.3



#55

Styrene

Concen: 29.93 ug/L

RT: 12.135 min Scan# 1762

Delta R.T. 0.000 min

Lab File: VD080457.D

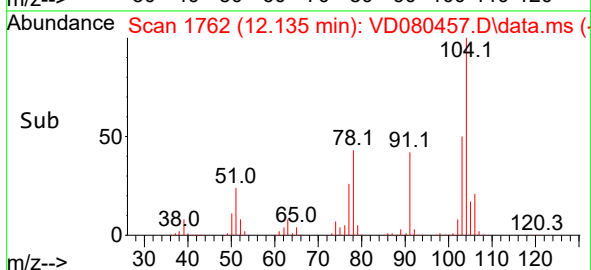
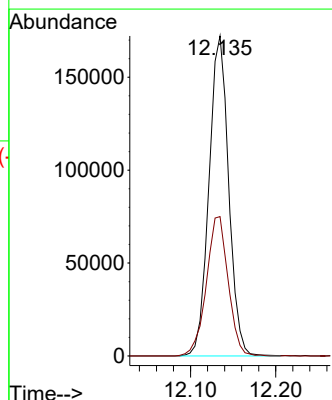
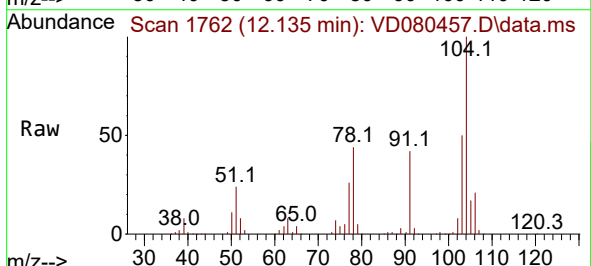
Acq: 19 Jun 2025 10:26

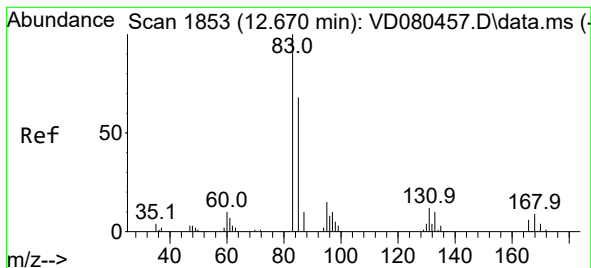
Tgt Ion:104 Resp: 276877

Ion Ratio Lower Upper

104 100

78 43.5 30.0 55.8





#57

1,1,2,2-Tetrachloroethane

Concen: 25.31 ug/L

RT: 12.670 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025508

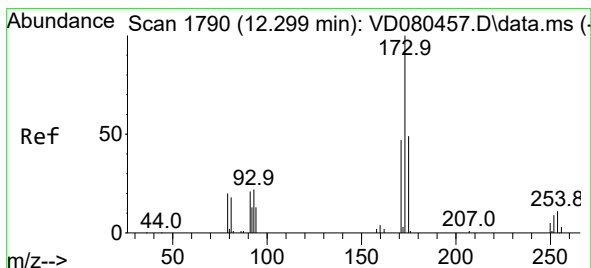
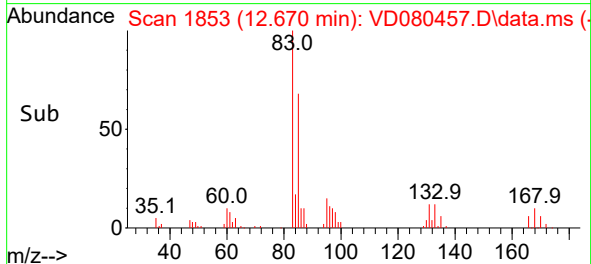
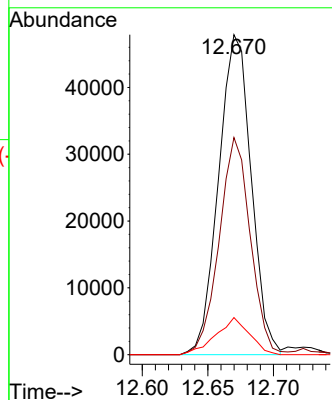
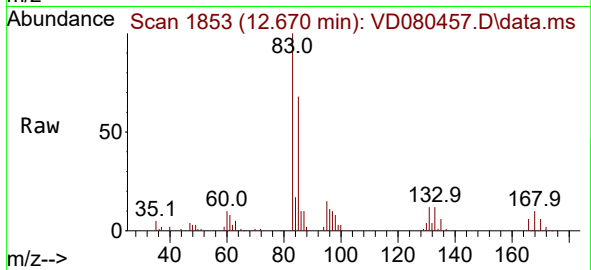
Tgt Ion: 83 Resp: 82874

Ion Ratio Lower Upper

83 100

85 67.8 42.8 79.6

131 11.6 7.8 11.8



#59

Bromoform

Concen: 24.45 ug/L

RT: 12.299 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

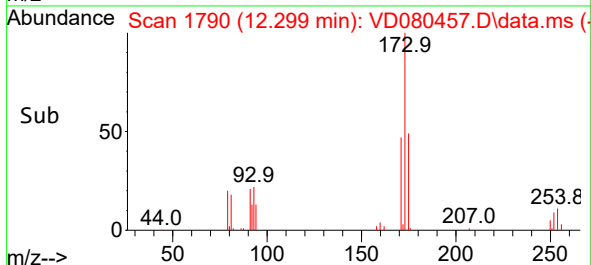
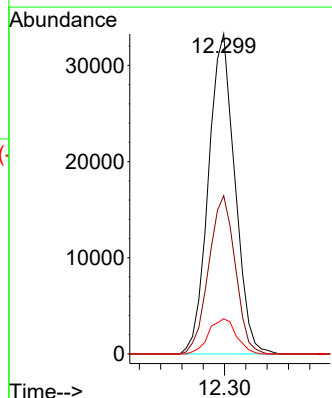
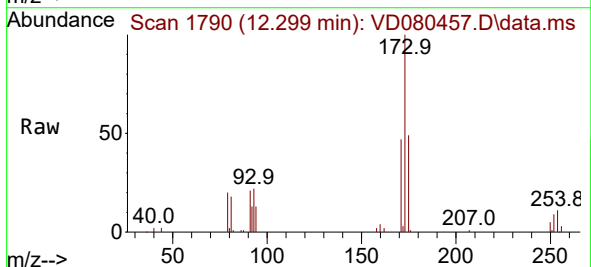
Tgt Ion: 173 Resp: 57405

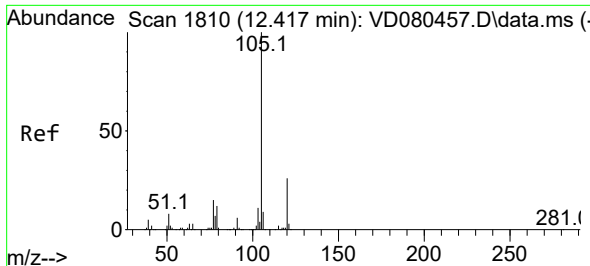
Ion Ratio Lower Upper

173 100

175 49.6 38.2 57.4

254 11.5 9.0 13.4

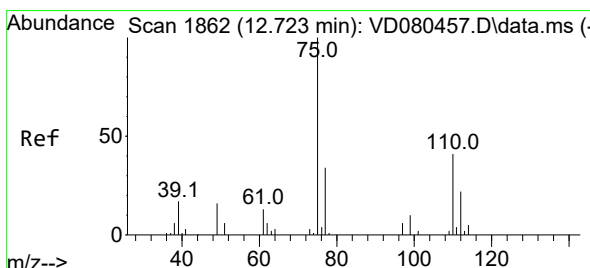
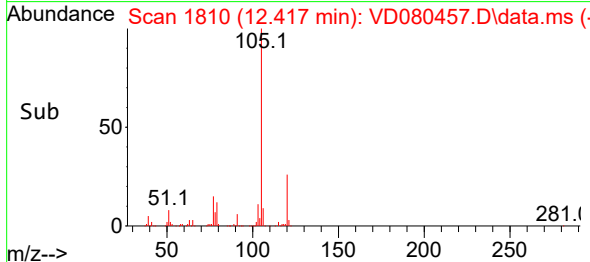
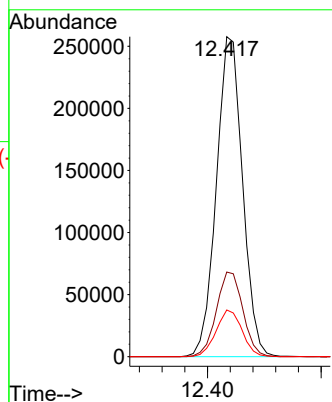
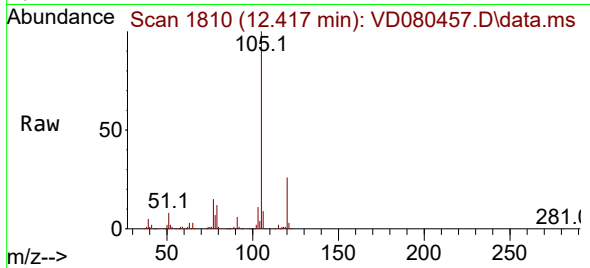




#60
Isopropylbenzene
Concen: 29.12 ug/L
RT: 12.417 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

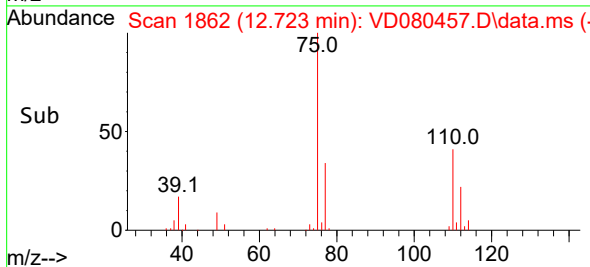
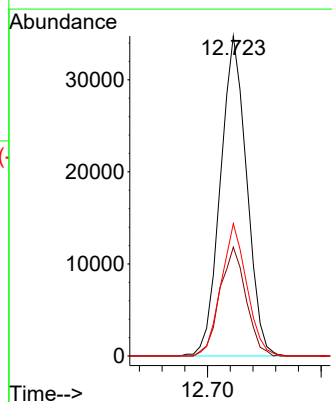
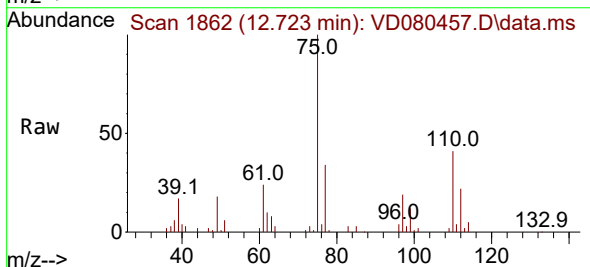
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

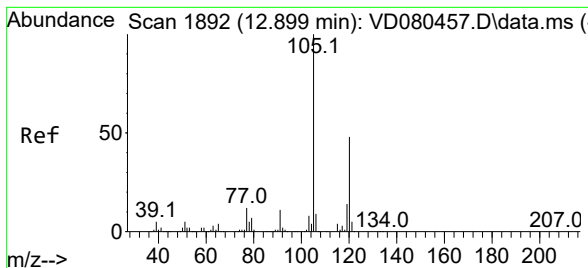
Tgt Ion:105 Resp: 412536
Ion Ratio Lower Upper
105 100
120 26.7 22.1 33.1
77 14.5 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 24.84 ug/L
RT: 12.723 min Scan# 1862
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 75 Resp: 55771
Ion Ratio Lower Upper
75 100
77 33.8 26.8 40.2
110 40.4 33.0 49.4

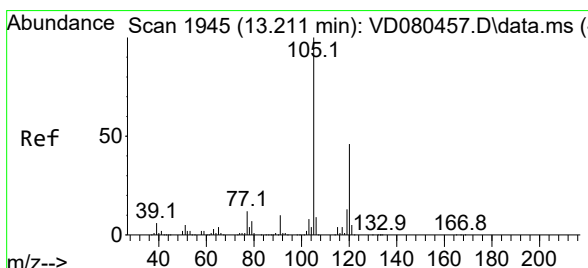
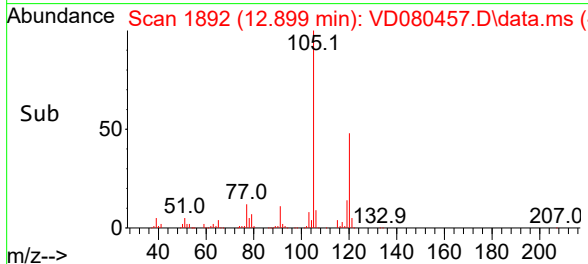
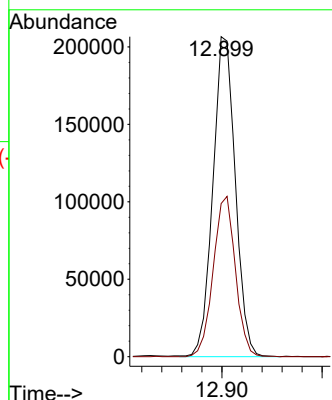
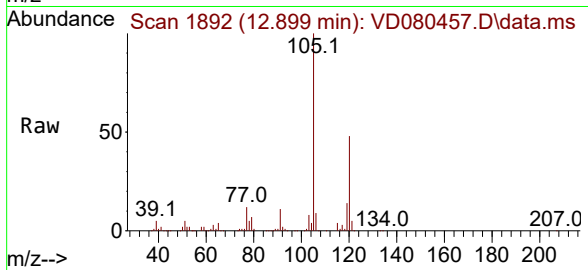




#62
 1,3,5-Trimethylbenzene
 Concen: 29.39 ug/L
 RT: 12.899 min Scan# 1892
 Delta R.T. 0.000 min
 Lab File: VD080457.D
 Acq: 19 Jun 2025 10:26

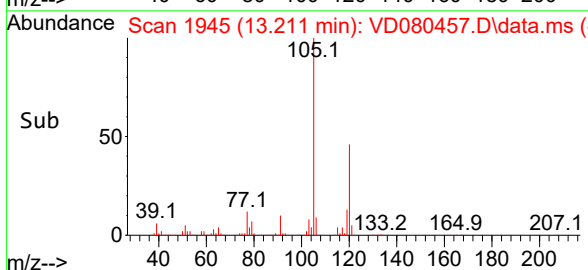
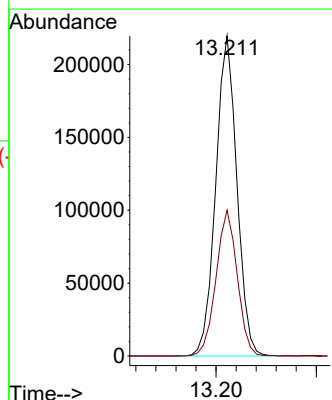
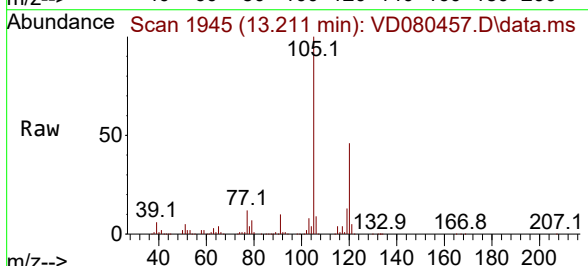
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025508

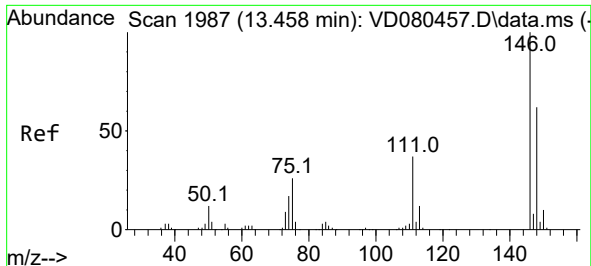
Tgt Ion:105 Resp: 321168
 Ion Ratio Lower Upper
 105 100
 120 49.5 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 29.77 ug/L
 RT: 13.211 min Scan# 1945
 Delta R.T. 0.000 min
 Lab File: VD080457.D
 Acq: 19 Jun 2025 10:26

Tgt Ion:105 Resp: 321301
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.5 56.3

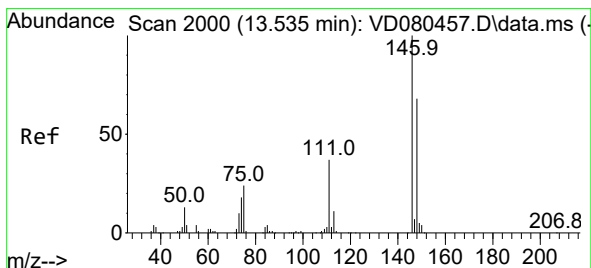
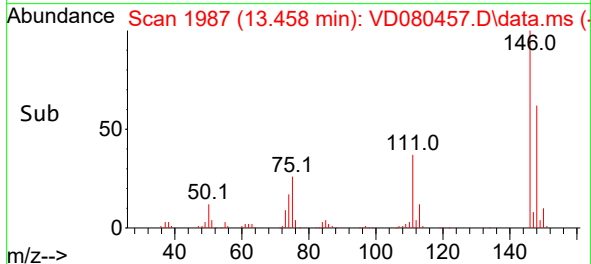
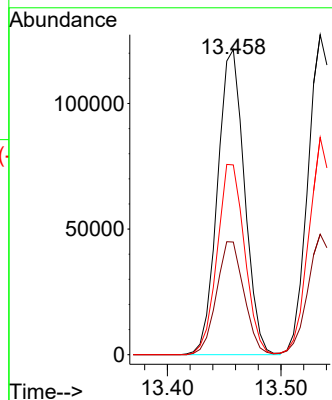
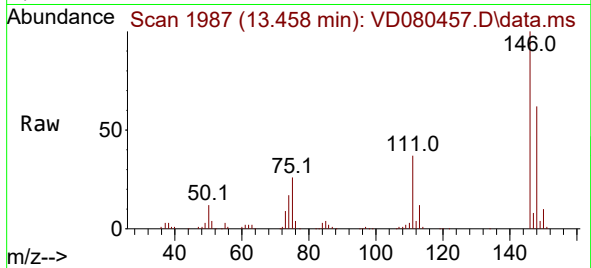




#64
1,3-Dichlorobenzene
Concen: 27.04 ug/L
RT: 13.458 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

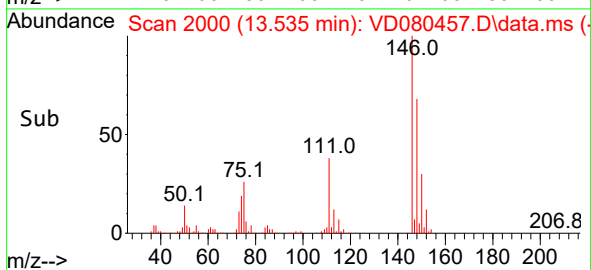
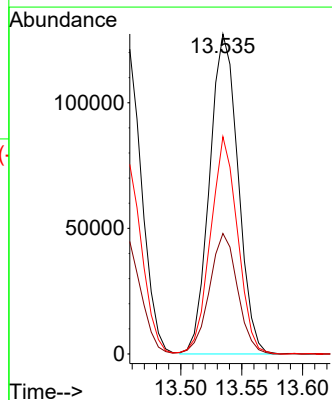
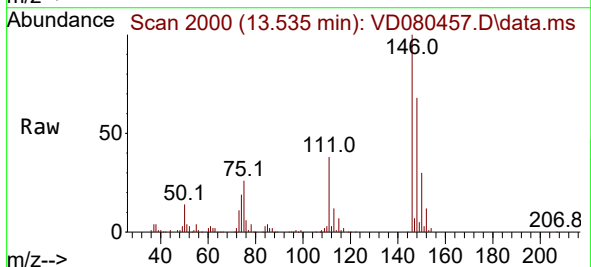
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

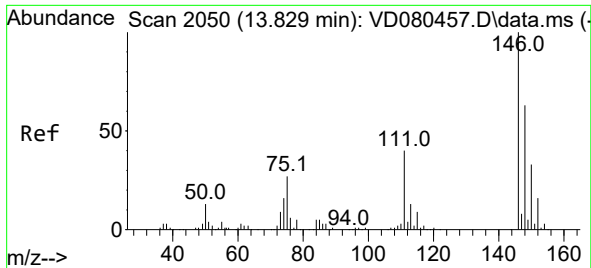
Tgt Ion:146 Resp: 200634
Ion Ratio Lower Upper
146 100
111 36.9 25.4 47.2
148 62.2 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 26.84 ug/L
RT: 13.535 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion:146 Resp: 207214
Ion Ratio Lower Upper
146 100
111 37.6 24.5 45.5
148 67.9 44.6 82.8

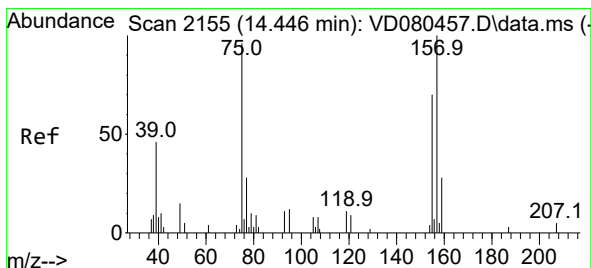
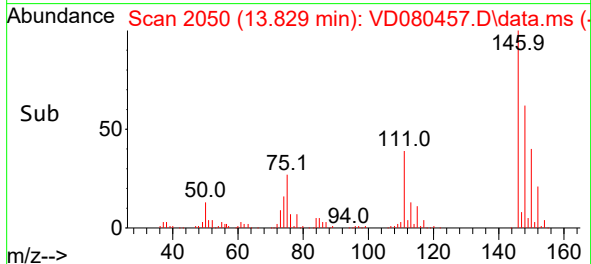
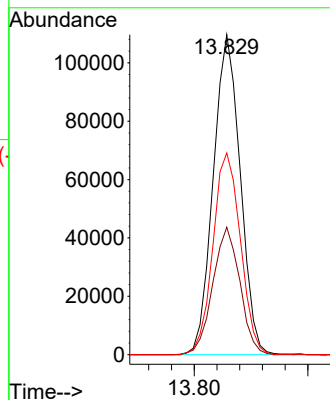
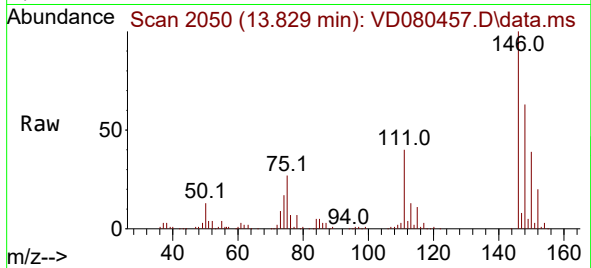




#67
1,2-Dichlorobenzene
Concen: 27.03 ug/L
RT: 13.829 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

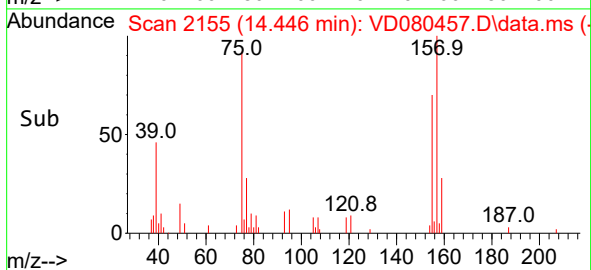
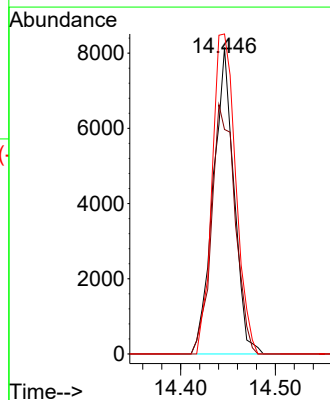
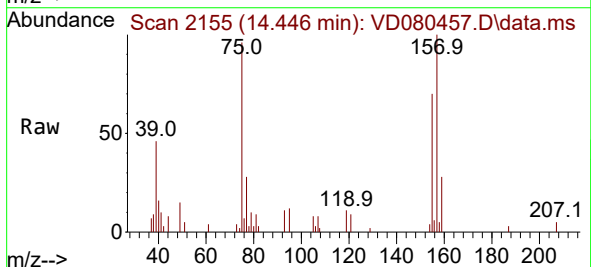
Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

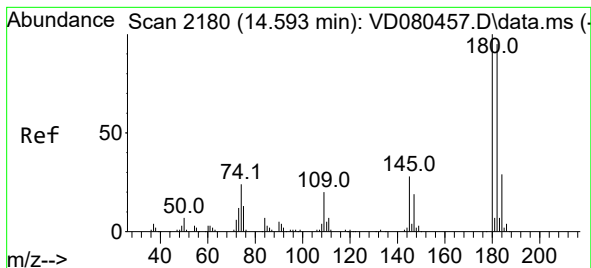
Tgt Ion:146 Resp: 181054
Ion Ratio Lower Upper
146 100
111 39.8 32.0 48.0
148 63.0 49.7 74.5



#68
1,2-Dibromo-3-chloropropane
Concen: 23.59 ug/L
RT: 14.446 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 75 Resp: 12413
Ion Ratio Lower Upper
75 100
155 73.3 86.2 129.2#
157 104.5 94.0 141.0





#69

1,3,5-Trichlorobenzene

Concen: 26.85 ug/L

RT: 14.593 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025508

Tgt Ion:180 Resp: 137674

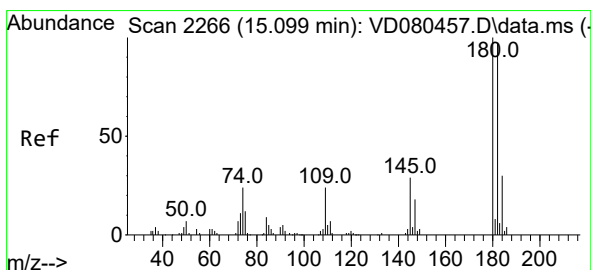
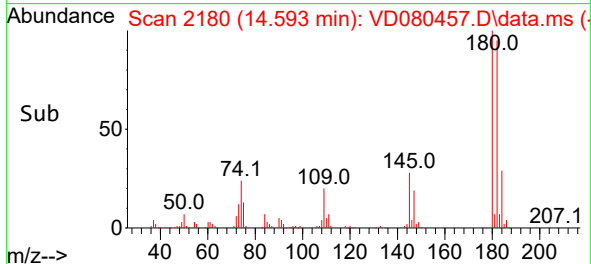
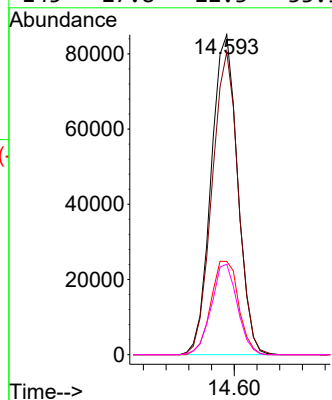
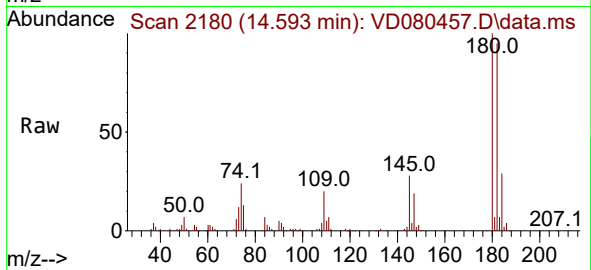
Ion Ratio Lower Upper

180 100

182 93.4 77.0 115.4

184 30.6 24.9 37.3

145 27.8 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 25.97 ug/L

RT: 15.099 min Scan# 2266

Delta R.T. 0.000 min

Lab File: VD080457.D

Acq: 19 Jun 2025 10:26

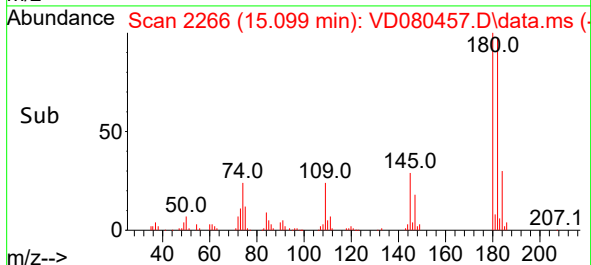
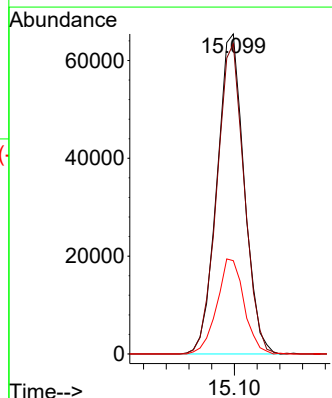
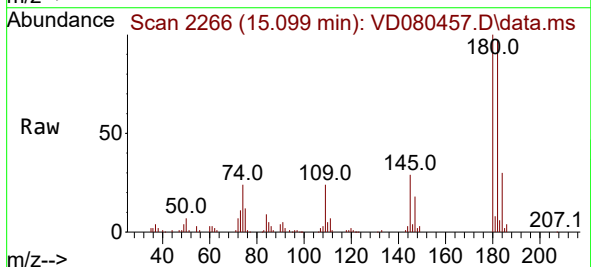
Tgt Ion:180 Resp: 108963

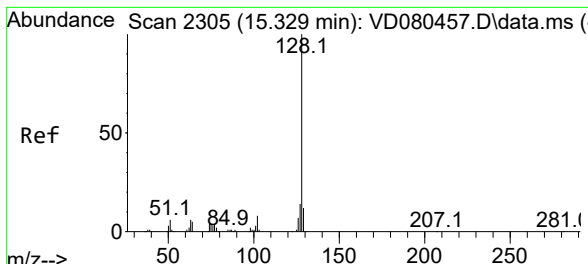
Ion Ratio Lower Upper

180 100

182 97.0 76.0 114.0

145 29.5 22.2 33.4

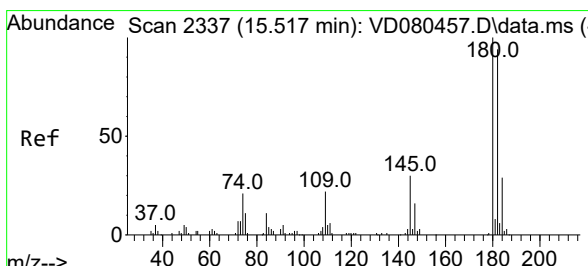
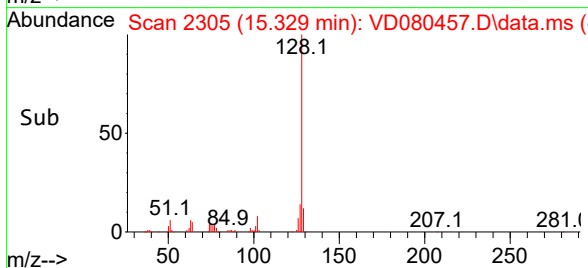
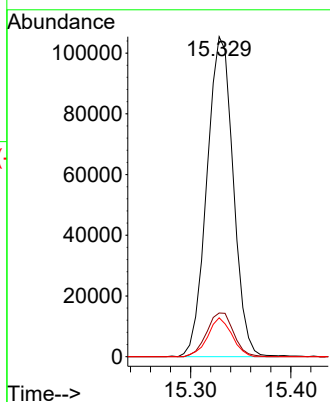
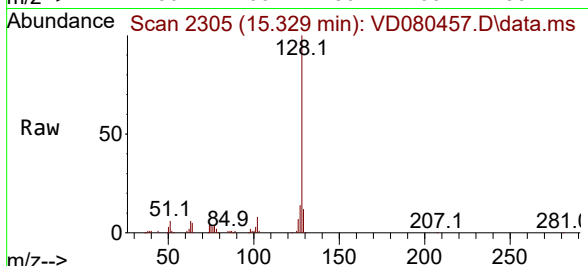




#71
Naphthalene
Concen: 25.22 ug/L
RT: 15.329 min Scan# 2305
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

Tgt Ion:	128	Resp:	192332
Ion	Ratio	Lower	Upper
128	100		
127	14.0	11.0	16.6
129	11.1	9.0	13.4



#72
1,2,3-Trichlorobenzene
Concen: 26.92 ug/L
RT: 15.517 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD080457.D
Acq: 19 Jun 2025 10:26

Tgt Ion:	180	Resp:	105866
Ion	Ratio	Lower	Upper
180	100		
182	93.0	74.7	112.1
145	30.0	24.2	36.4

