

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062025\
 Data File : VD080462.D
 Acq On : 20 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 :
 VSTD025509

Quant Time: Jun 23 08:52:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jun 23 08:51:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	239057	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	223285	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	125605	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.282	65	76355	18.84	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	75.36%		
7) Chloroethane-d5	2.806	69	68258	19.74	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.96%		
11) 1,1-Dichloroethene-d2	3.923	65	28341	20.72	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	82.88%		
21) 2-Butanone-d5	6.994	46	32197	47.91	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	95.82%		
24) Chloroform-d	7.570	84	142838	21.70	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	86.80%		
26) 1,2-Dichloroethane-d4	8.229	65	69649	20.69	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	82.76%		
32) Benzene-d6	8.206	84	279699	22.78	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	91.12%		
36) 1,2-Dichloropropane-d6	9.206	67	86883	21.56	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	86.24%		
41) Toluene-d8	10.270	98	265556	23.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	92.56%		
43) trans-1,3-Dichloroprop...	10.523	79	38184	22.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	91.00%		
47) 2-Hexanone-d5	10.876	63	30179	49.33	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.66%		
56) 1,1,2,2-Tetrachloroeth...	12.647	84	81198	22.29	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	89.16%		
66) 1,2-Dichlorobenzene-d4	13.811	152	95178	20.90	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	83.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	82691	21.86	ug/L	100
3) Chloromethane	2.147	50	76343	21.51	ug/L	98
5) Vinyl chloride	2.288	62	98105	22.65	ug/L	96
6) Bromomethane	2.700	94	74723	27.78	ug/L	97
8) Chloroethane	2.847	64	64265	21.55	ug/L	94
9) Trichlorofluoromethane	3.182	101	135441	22.78	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.971	101	87942	23.84	ug/L	99
12) 1,1-Dichloroethene	3.947	96	73301	24.46	ug/L	96
13) Acetone	4.023	43	39889	69.65	ug/L	99
14) Carbon disulfide	4.276	76	243907	23.98	ug/L	96
15) Methyl Acetate	4.565	43	35892	25.99	ug/L	96
16) Methylene chloride	4.800	84	89752	24.23	ug/L	98
17) trans-1,2-Dichloroethene	5.312	96	83231	26.52	ug/L	96
18) Methyl tert-butyl Ether	5.318	73	166839	26.41	ug/L	96
19) 1,1-Dichloroethane	6.112	63	144015	24.47	ug/L	98
20) cis-1,2-Dichloroethene	7.076	96	88961	25.99	ug/L	96
22) 2-Butanone	7.082	43	48509	58.35	ug/L	80
23) Bromochloromethane	7.429	128	46361	25.21	ug/L	93
25) Chloroform	7.594	83	162124	23.92	ug/L	98

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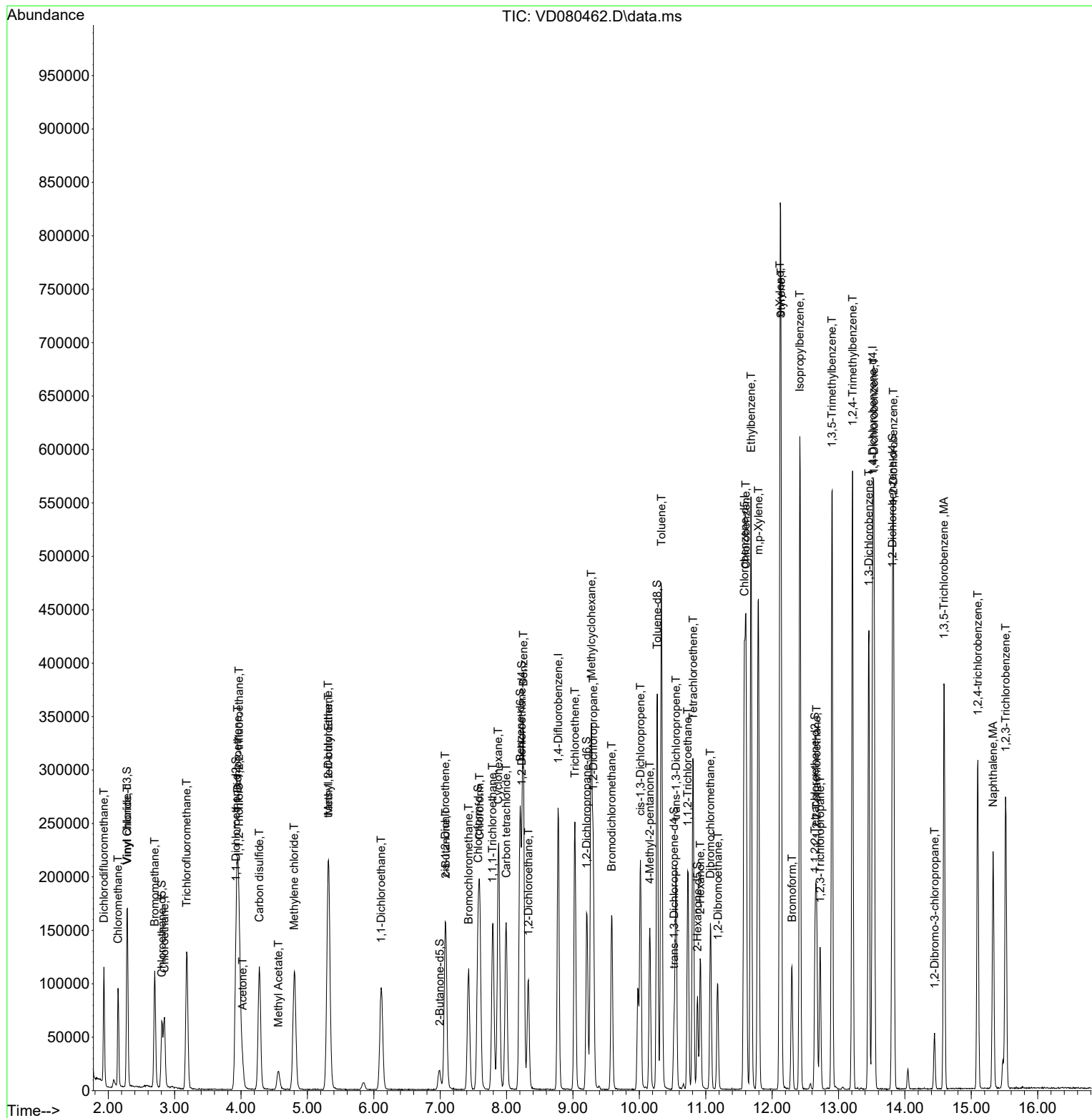
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.329	62	94054	24.73	ug/L	98
29) Cyclohexane	7.876	56	126585	27.31	ug/L	98
30) 1,1,1-Trichloroethane	7.788	97	134147	25.47	ug/L	99
31) Carbon tetrachloride	7.994	117	124755	24.69	ug/L	99
33) Benzene	8.253	78	329187	26.88	ug/L	100
34) Trichloroethene	9.029	95	89947	25.46	ug/L	97
35) Methylcyclohexane	9.276	83	141493	27.10	ug/L	99
37) 1,2-Dichloropropane	9.306	63	89193	26.11	ug/L	100
38) Bromodichloromethane	9.582	83	114529	25.50	ug/L	97
39) cis-1,3-Dichloropropene	10.017	75	134543	26.32	ug/L	92
40) 4-Methyl-2-pentanone	10.158	43	101542	58.00	ug/L	99
42) Toluene	10.335	91	380635	28.11	ug/L	92
44) trans-1,3-Dichloropropene	10.553	75	117797	27.22	ug/L	98
45) 1,1,2-Trichloroethane	10.729	97	72160	26.00	ug/L	94
46) Tetrachloroethene	10.811	164	80665	25.53	ug/L	99
48) 2-Hexanone	10.917	43	74433	58.35	ug/L	95
49) Dibromochloromethane	11.070	129	87796	25.89	ug/L	99
50) 1,2-Dibromoethane	11.182	107	69912	26.13	ug/L	93
51) Chlorobenzene	11.605	112	238578	25.55	ug/L	98
52) Ethylbenzene	11.682	91	402801	27.43	ug/L	98
53) m,p-Xylene	11.794	106	158215	27.46	ug/L	92
54) o-Xylene	12.117	106	146044	26.89	ug/L	100
55) Styrene	12.135	104	268114	27.99	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.670	83	84090	24.81	ug/L	94
59) Bromoform	12.300	173	60126	24.41	ug/L	98
60) Isopropylbenzene	12.417	105	395032	26.58	ug/L	100
61) 1,2,3-Trichloropropane	12.723	75	57835	24.55	ug/L	98
62) 1,3,5-Trimethylbenzene	12.899	105	308816	26.93	ug/L	99
63) 1,2,4-Trimethylbenzene	13.211	105	306518	27.07	ug/L	99
64) 1,3-Dichlorobenzene	13.458	146	196940	25.30	ug/L	94
65) 1,4-Dichlorobenzene	13.535	146	204378	25.23	ug/L	99
67) 1,2-Dichlorobenzene	13.829	146	182116	25.91	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.446	75	13059	23.66	ug/L	90
69) 1,3,5-Trichlorobenzene	14.588	180	132079	24.55	ug/L	99
70) 1,2,4-trichlorobenzene	15.099	180	110516	25.11	ug/L	99
71) Naphthalene	15.329	128	200992	25.12	ug/L	100
72) 1,2,3-Trichlorobenzene	15.517	180	105177	25.49	ug/L	99

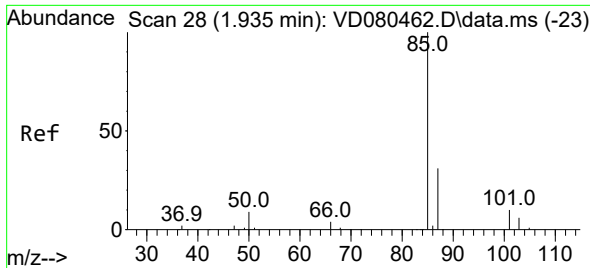
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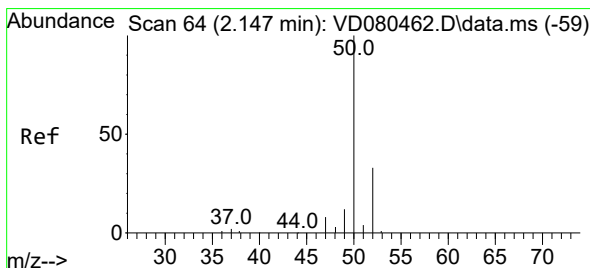
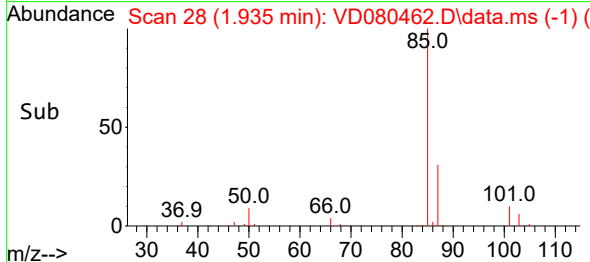
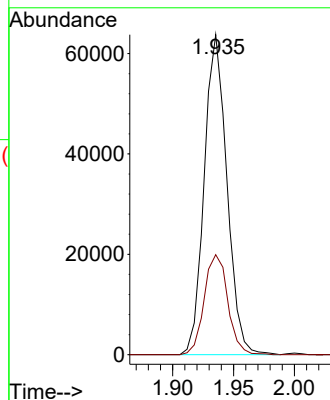
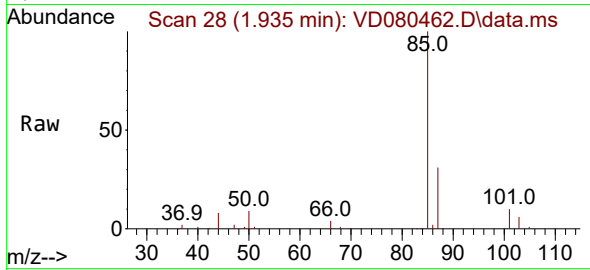




#2
 Dichlorodifluoromethane
 Concen: 21.86 ug/L
 RT: 1.935 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VD080462.D
 Acq: 20 Jun 2025 10:26

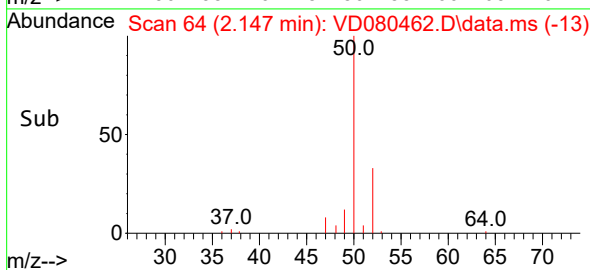
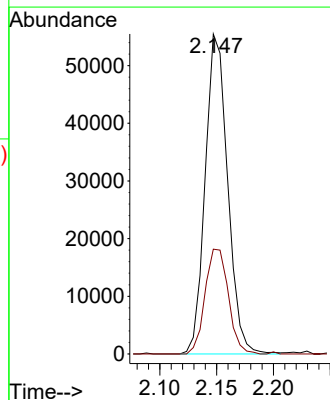
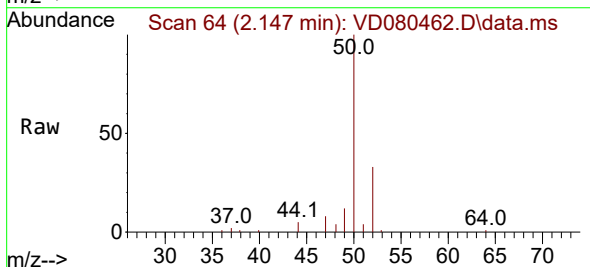
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 ClientSampleId :
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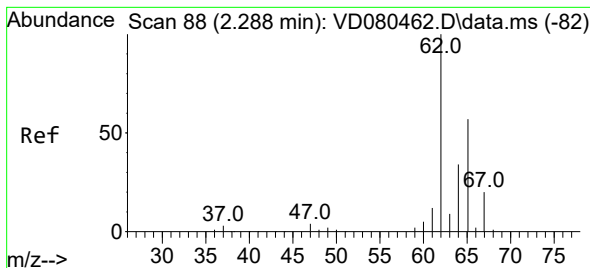
Tgt Ion: 85 Resp: 82691
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 21.51 ug/L
 RT: 2.147 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: VD080462.D
 Acq: 20 Jun 2025 10:26

Tgt Ion: 50 Resp: 76343
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.8 44.2





#5

Vinyl chloride

Concen: 22.65 ug/L

RT: 2.288 min Scan# 88

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

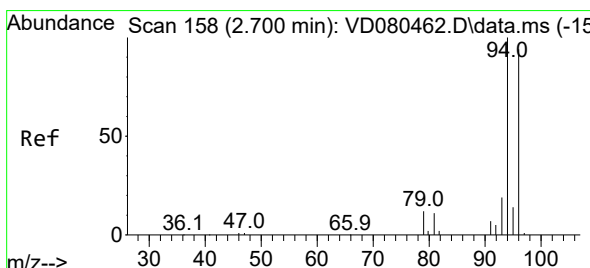
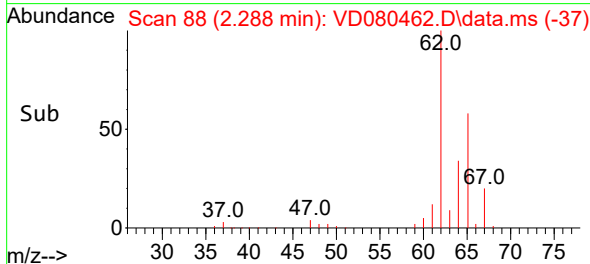
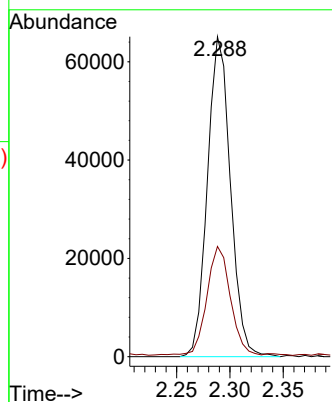
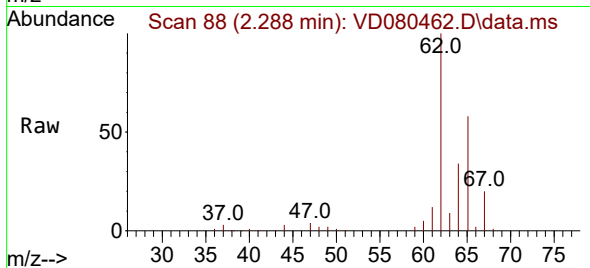
VSTD025509

Tgt Ion: 62 Resp: 98105

Ion Ratio Lower Upper

62 100

64 34.5 25.6 47.6



#6

Bromomethane

Concen: 27.78 ug/L

RT: 2.700 min Scan# 158

Delta R.T. 0.000 min

Lab File: VD080462.D

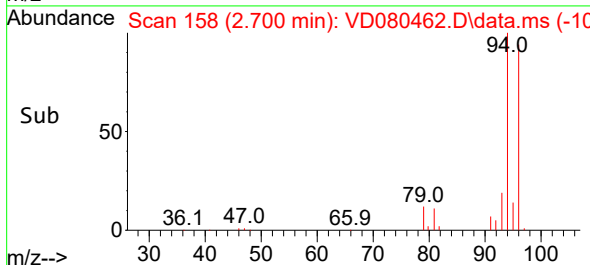
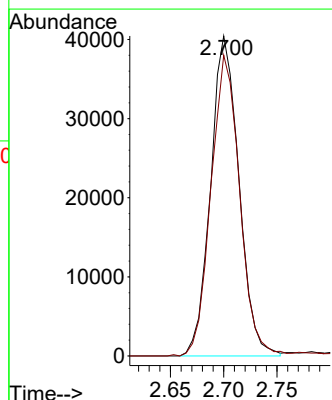
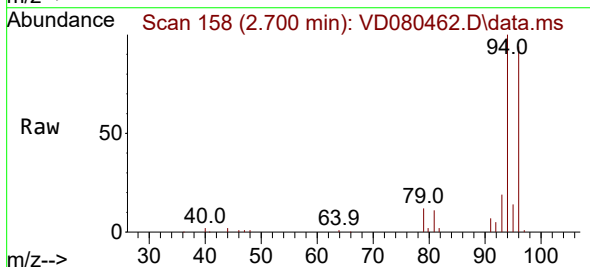
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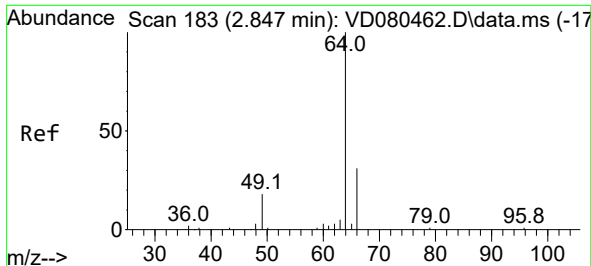
Tgt Ion: 94 Resp: 74723

Ion Ratio Lower Upper

94 100

96 94.0 67.6 125.6

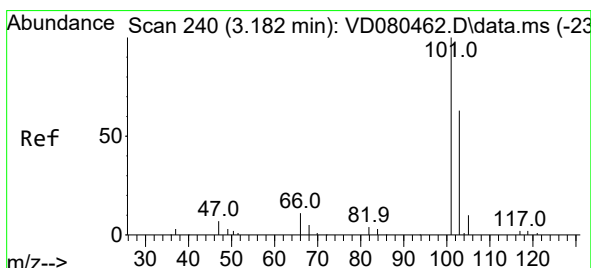
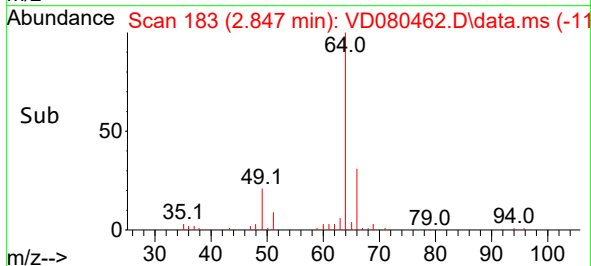
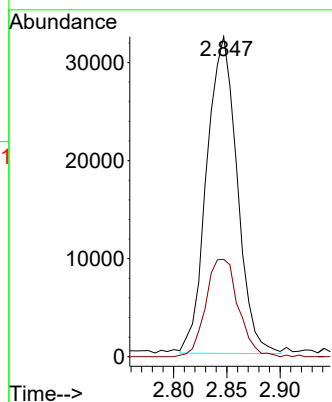
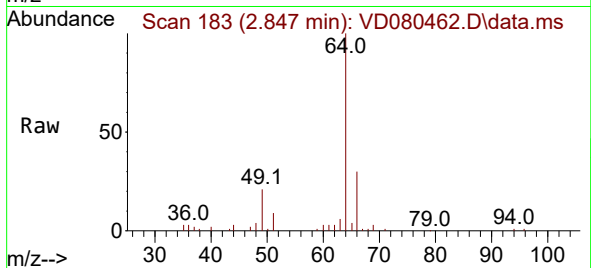




#8
Chloroethane
Concen: 21.55 ug/L
RT: 2.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

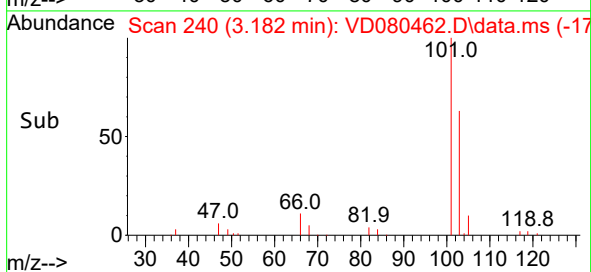
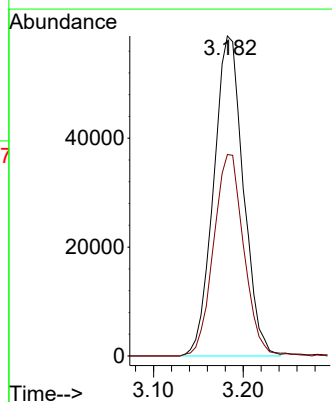
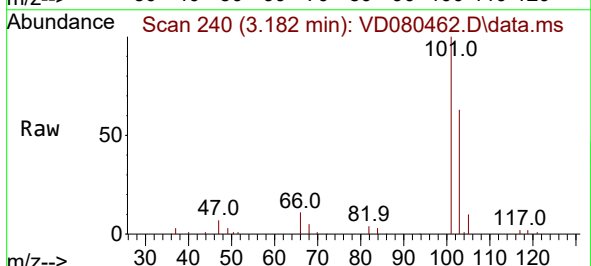
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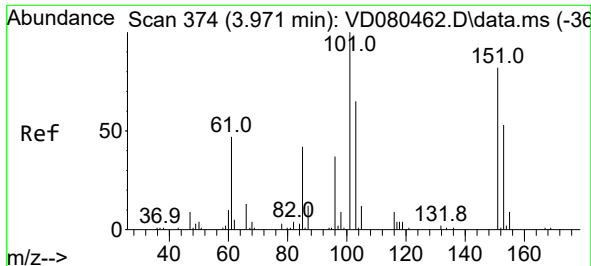
Tgt Ion: 64 Resp: 64265
Ion Ratio Lower Upper
64 100
66 30.4 23.9 44.3



#9
Trichlorofluoromethane
Concen: 22.78 ug/L
RT: 3.182 min Scan# 240
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt Ion:101 Resp: 135441
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.4

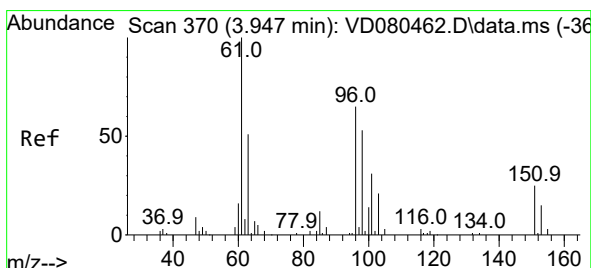
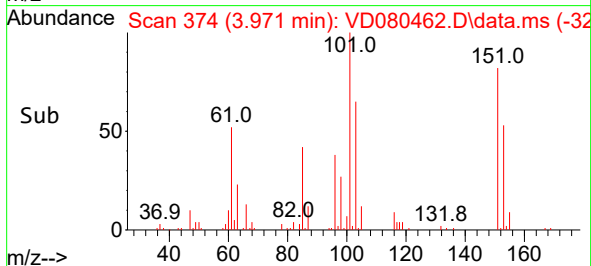
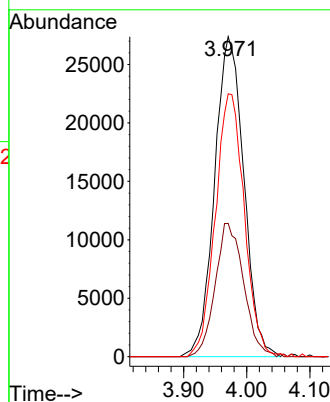
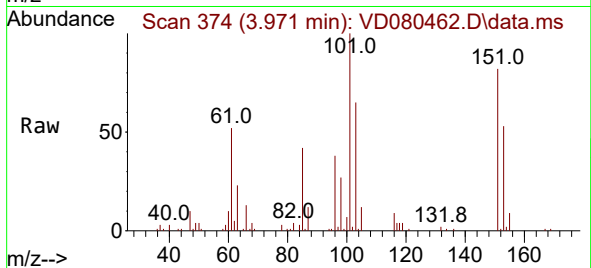




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.84 ug/L
 RT: 3.971 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VD080462.D
 Acq: 20 Jun 2025 10:26

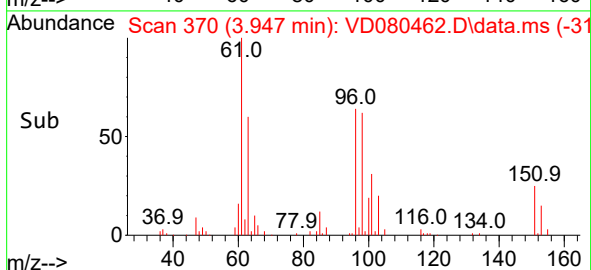
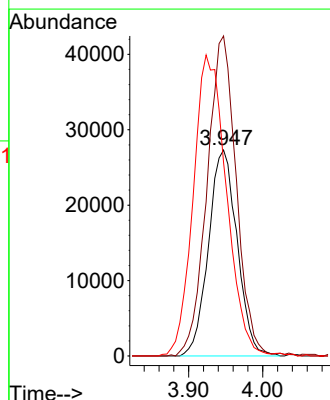
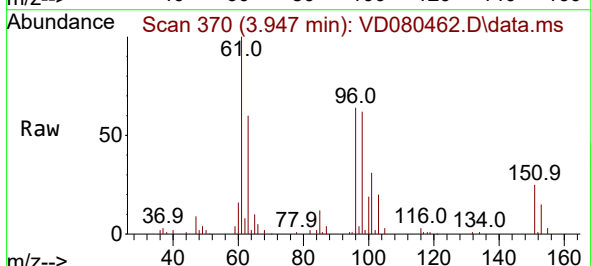
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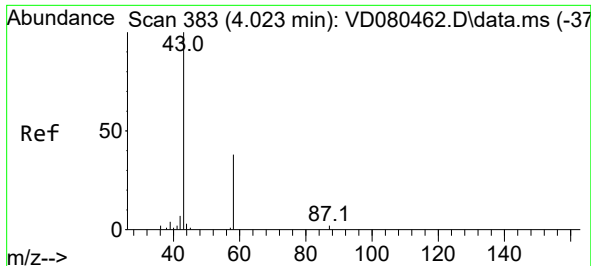
Tgt Ion: 101 Resp: 87942
 Ion Ratio Lower Upper
 101 100
 85 40.5 32.0 48.0
 151 81.1 63.7 95.5



#12
 1,1-Dichloroethene
 Concen: 24.46 ug/L
 RT: 3.947 min Scan# 370
 Delta R.T. 0.000 min
 Lab File: VD080462.D
 Acq: 20 Jun 2025 10:26

Tgt Ion: 96 Resp: 73301
 Ion Ratio Lower Upper
 96 100
 61 155.4 103.0 191.4
 63 93.9 66.4 123.2





#13

Acetone

Concen: 69.65 ug/L

RT: 4.023 min Scan# 383

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

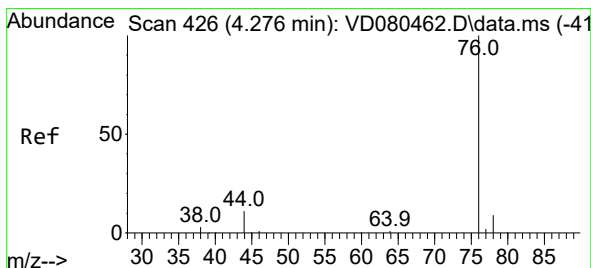
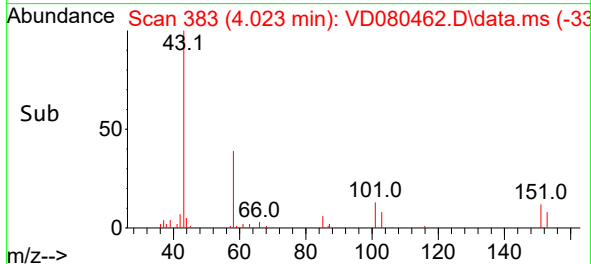
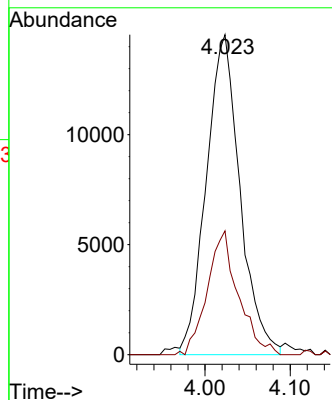
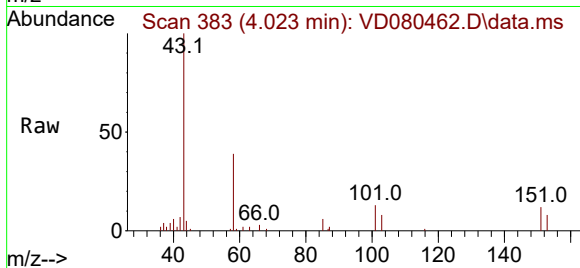
VSTD025509

Tgt Ion: 43 Resp: 39889

Ion Ratio Lower Upper

43 100

58 34.9 0.0 71.0



#14

Carbon disulfide

Concen: 23.98 ug/L

RT: 4.276 min Scan# 426

Delta R.T. 0.000 min

Lab File: VD080462.D

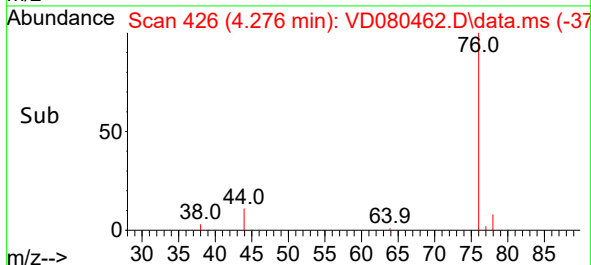
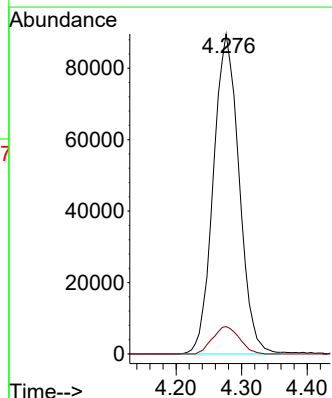
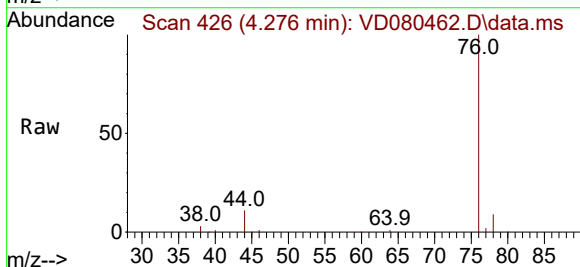
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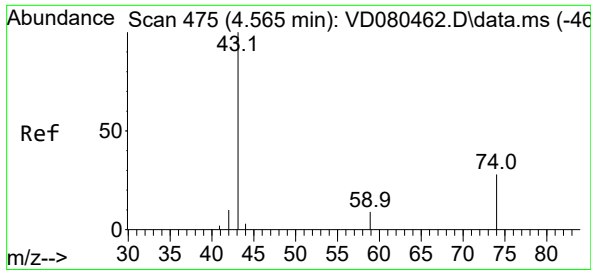
Tgt Ion: 76 Resp: 243907

Ion Ratio Lower Upper

76 100

78 8.5 7.9 11.9

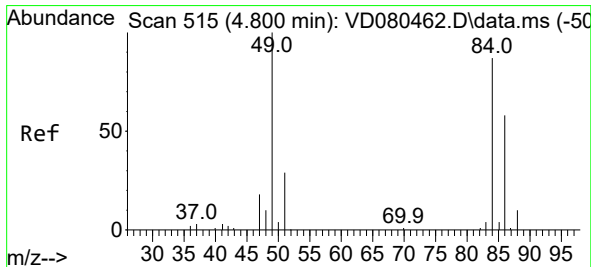
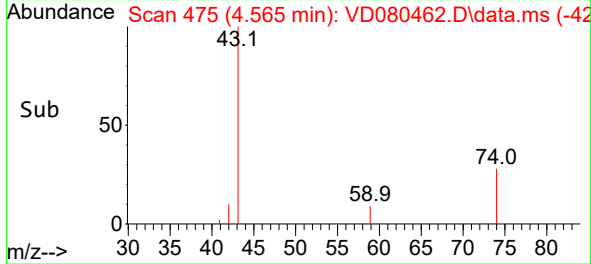
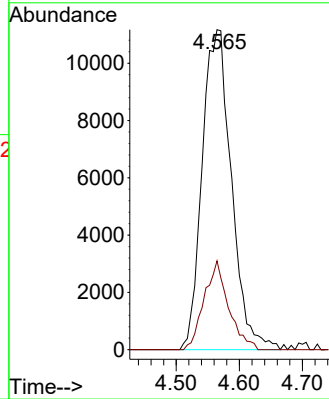
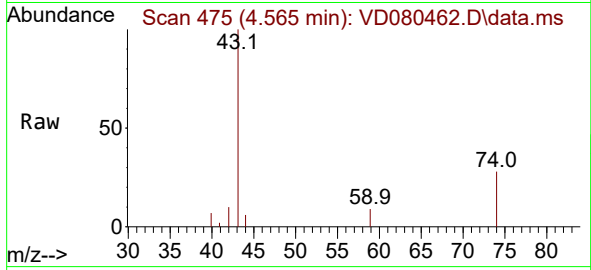




#15
Methyl Acetate
Concen: 25.99 ug/L
RT: 4.565 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

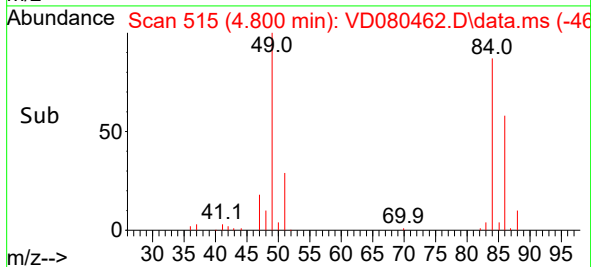
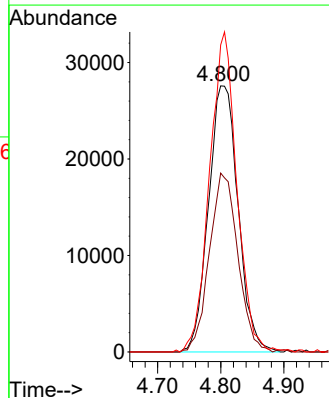
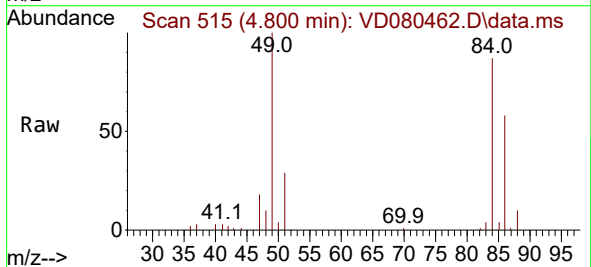
Instrument :
MSVOA_D
ClientSampleId :
VSTD025509

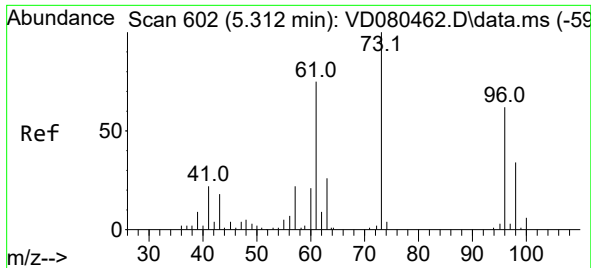
Tgt Ion: 43 Resp: 35892
Ion Ratio Lower Upper
43 100
74 23.2 20.3 30.5



#16
Methylene chloride
Concen: 24.23 ug/L
RT: 4.800 min Scan# 515
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt Ion: 84 Resp: 89752
Ion Ratio Lower Upper
84 100
86 67.2 46.7 86.7
49 115.4 83.0 154.1

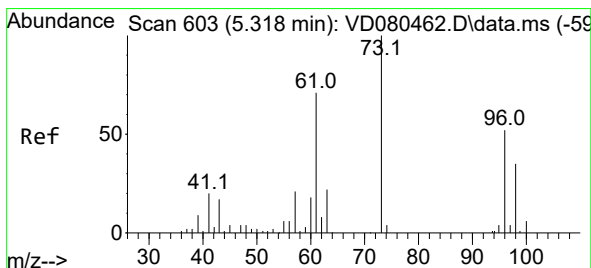
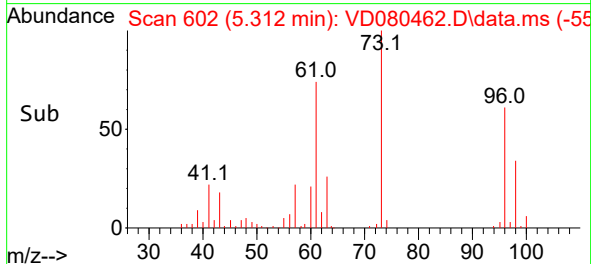
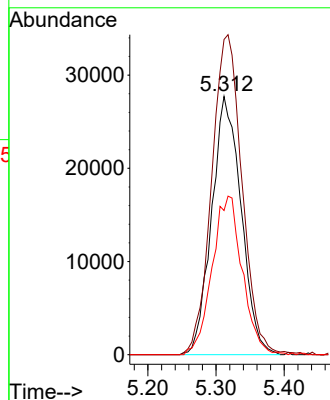
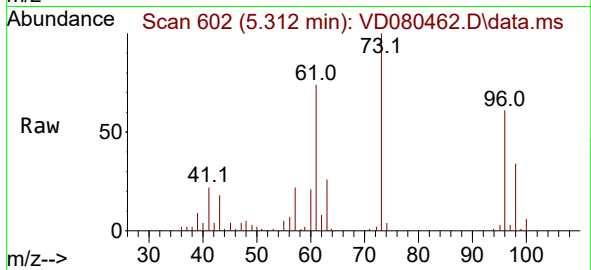




#17
trans-1,2-Dichloroethene
Concen: 26.52 ug/L
RT: 5.312 min Scan# 602
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

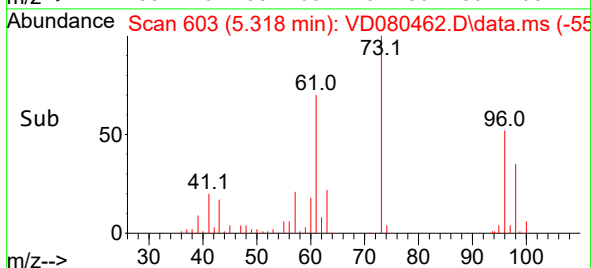
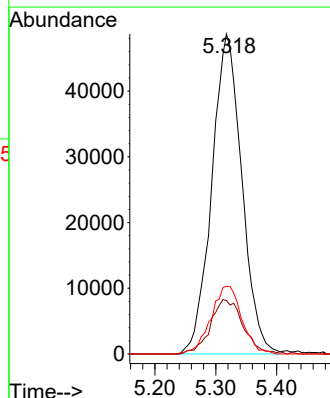
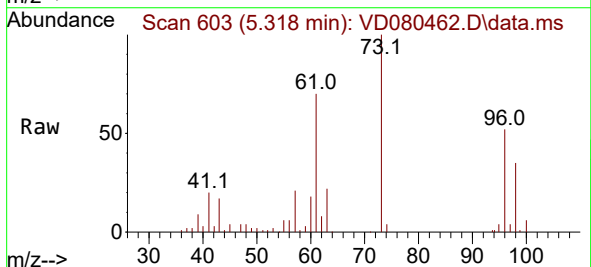
Instrument :
MSVOA_D
ClientSampleId :
VSTD025509

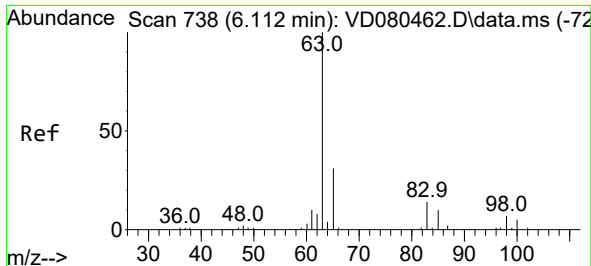
Tgt Ion: 96 Resp: 83231
Ion Ratio Lower Upper
96 100
61 122.0 82.0 152.2
98 55.8 40.3 74.8



#18
Methyl tert-butyl Ether
Concen: 26.41 ug/L
RT: 5.318 min Scan# 603
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt Ion: 73 Resp: 166839
Ion Ratio Lower Upper
73 100
43 16.7 15.8 23.8
57 21.5 17.6 26.4





#19

1,1-Dichloroethane

Concen: 24.47 ug/L

RT: 6.112 min Scan# 738

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025509

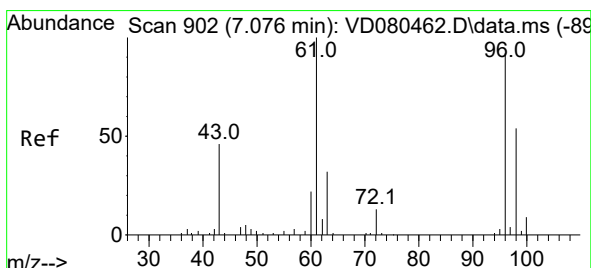
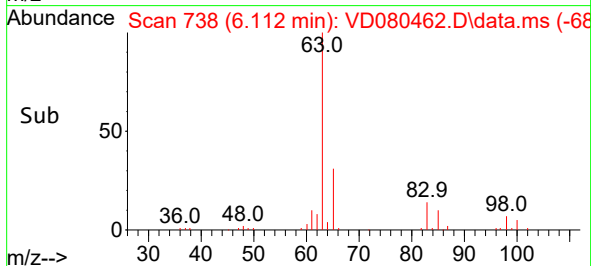
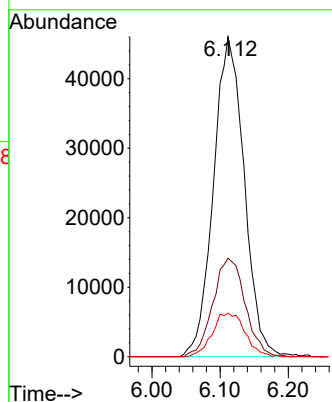
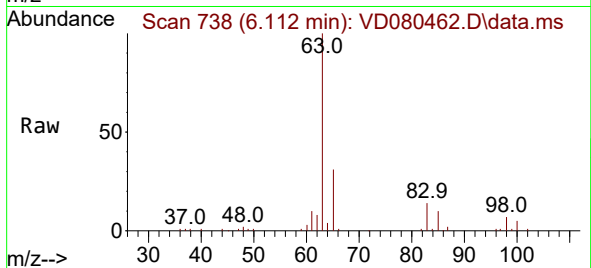
Tgt Ion: 63 Resp: 144015

Ion Ratio Lower Upper

63 100

65 30.8 22.0 41.0

83 13.6 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 25.99 ug/L

RT: 7.076 min Scan# 902

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

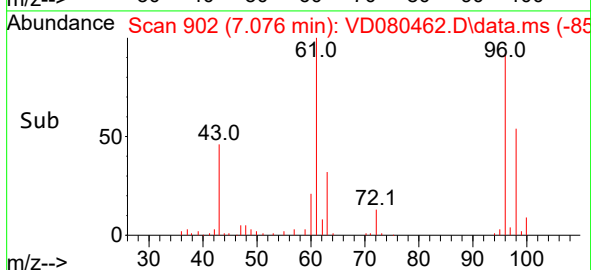
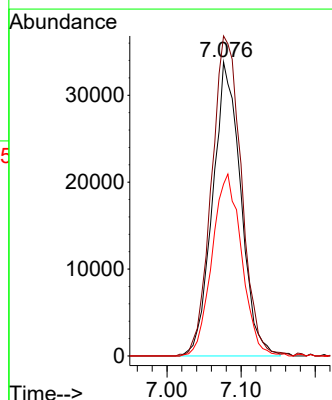
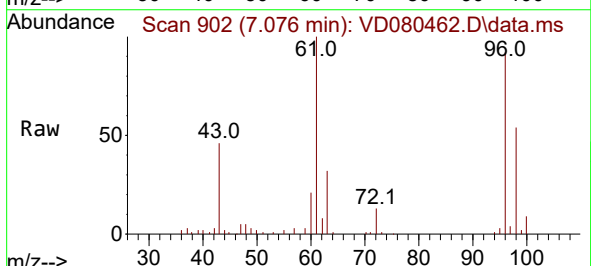
Tgt Ion: 96 Resp: 88961

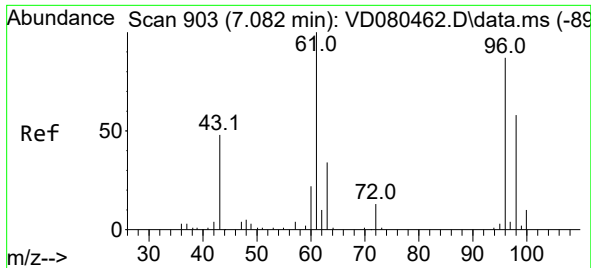
Ion Ratio Lower Upper

96 100

61 108.9 75.8 140.8

98 58.5 45.9 85.3

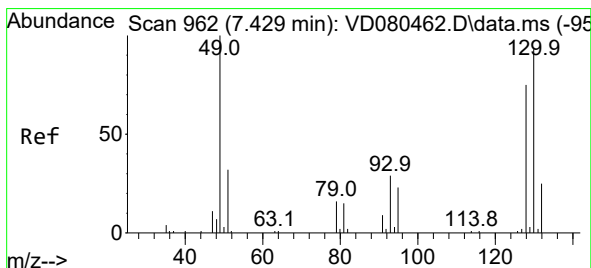
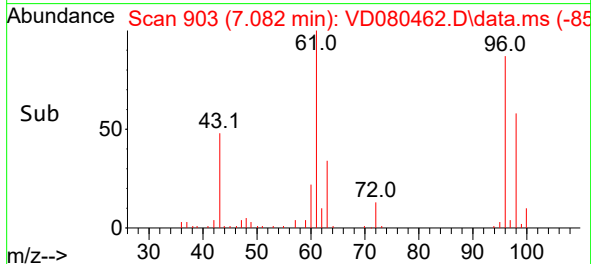
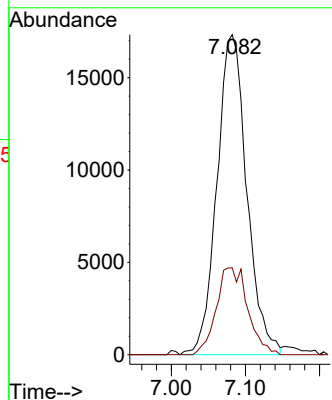
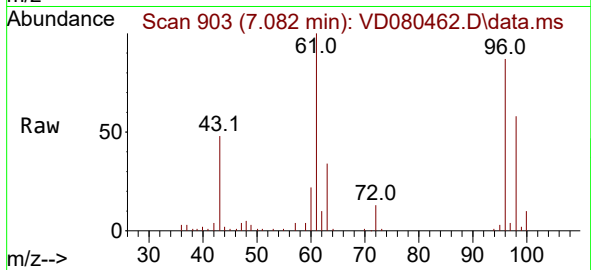




#22
2-Butanone
Concen: 58.35 ug/L
RT: 7.082 min Scan# 903
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

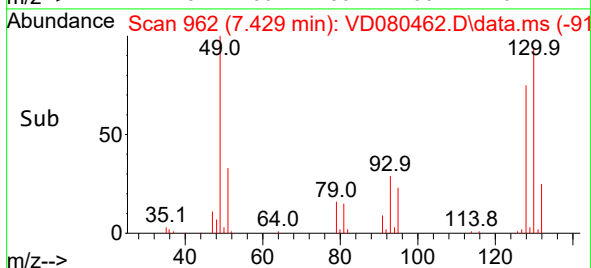
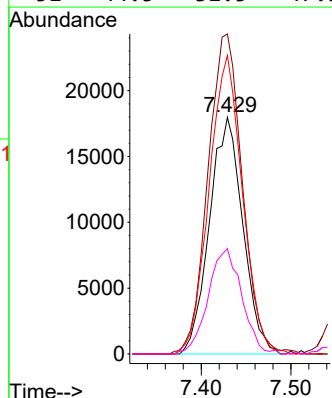
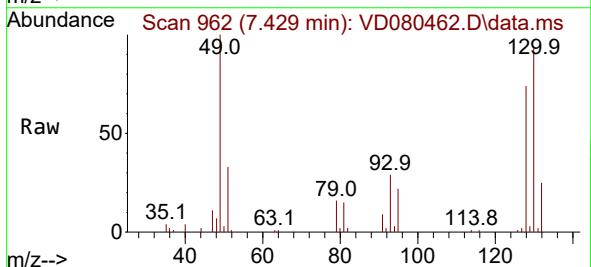
Instrument :
MSVOA_D
ClientSampleId :
VSTD025509

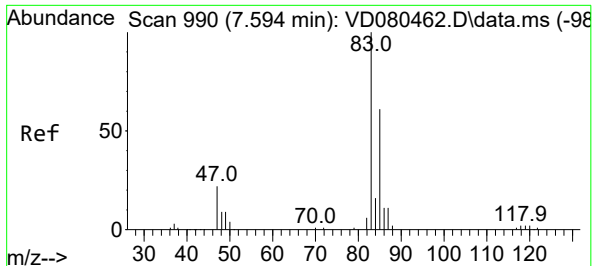
Tgt Ion: 43 Resp: 48509
Ion Ratio Lower Upper
43 100
72 18.8 14.9 44.5



#23
Bromochloromethane
Concen: 25.21 ug/L
RT: 7.429 min Scan# 962
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt Ion: 128 Resp: 46361
Ion Ratio Lower Upper
128 100
49 135.2 89.5 166.3
130 126.2 82.5 153.1
51 44.5 31.5 47.3





#25

Chloroform

Concen: 23.92 ug/L

RT: 7.594 min Scan# 990

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

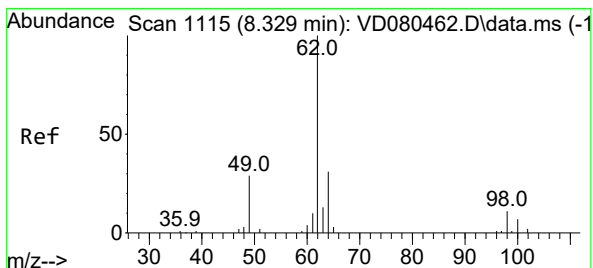
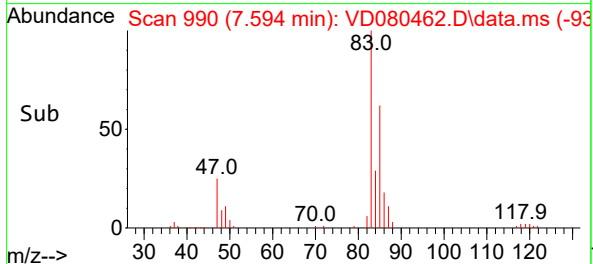
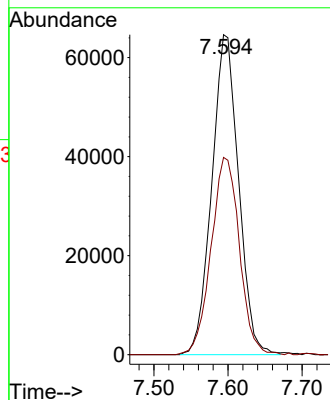
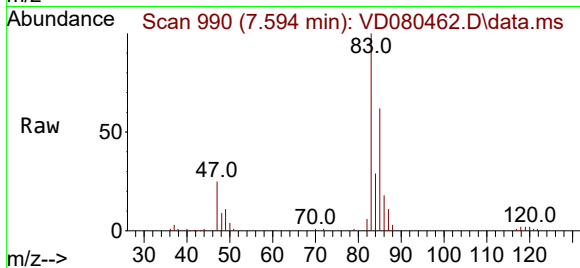
VSTD025509

Tgt Ion: 83 Resp: 162124

Ion Ratio Lower Upper

83 100

85 61.6 42.0 78.0



#27

1,2-Dichloroethane

Concen: 24.73 ug/L

RT: 8.329 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VD080462.D

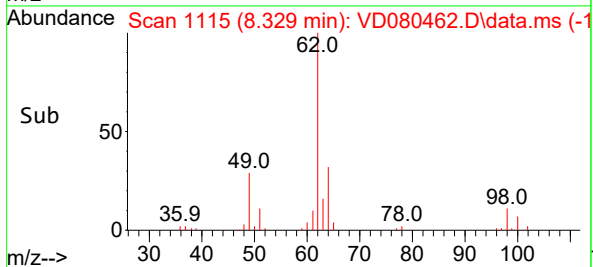
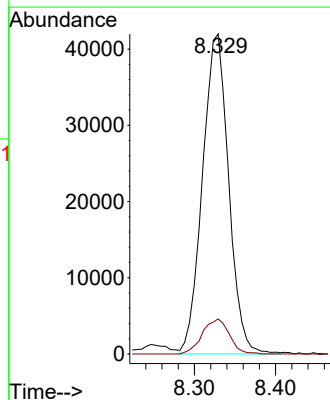
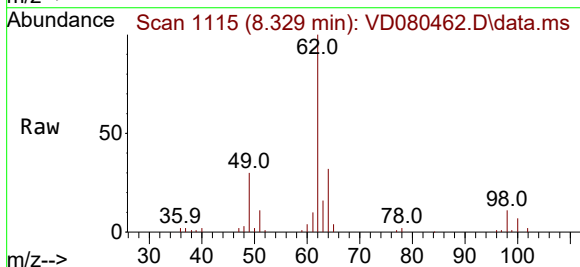
Acq: 20 Jun 2025 10:26

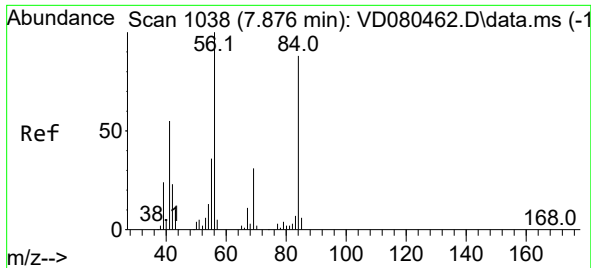
Tgt Ion: 62 Resp: 94054

Ion Ratio Lower Upper

62 100

98 11.0 9.4 14.2





#29

Cyclohexane

Concen: 27.31 ug/L

RT: 7.876 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025509

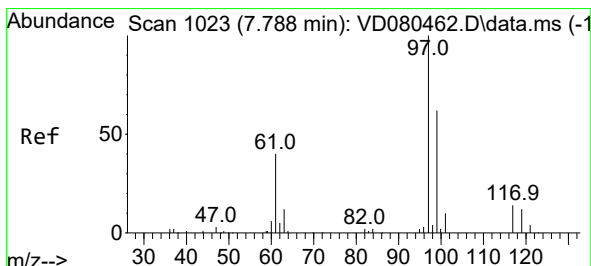
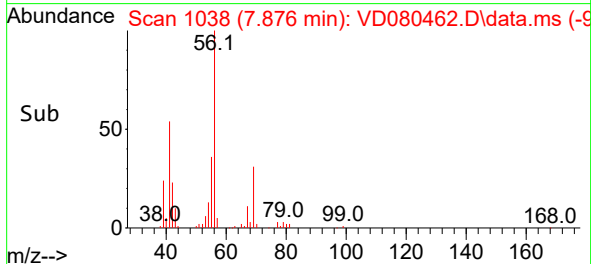
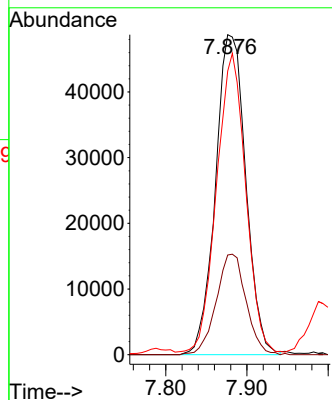
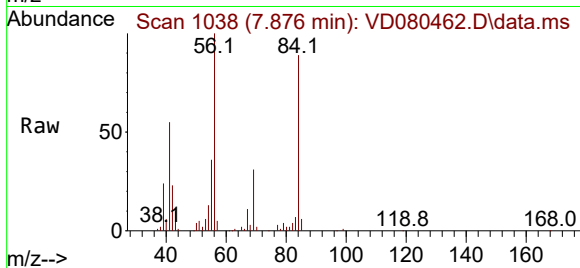
Tgt Ion: 56 Resp: 126585

Ion Ratio Lower Upper

56 100

69 30.8 25.7 38.5

84 90.1 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 25.47 ug/L

RT: 7.788 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

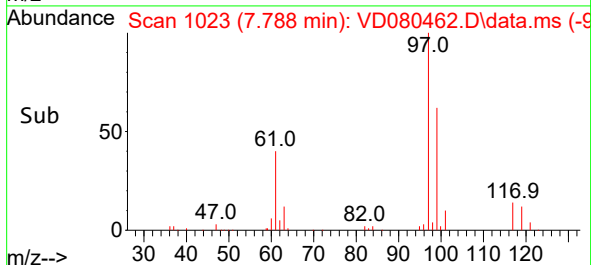
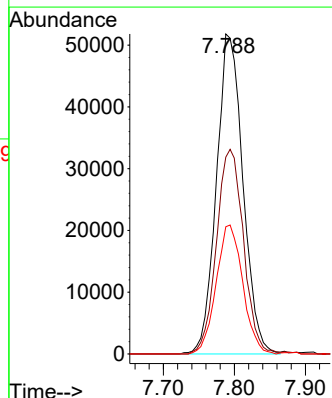
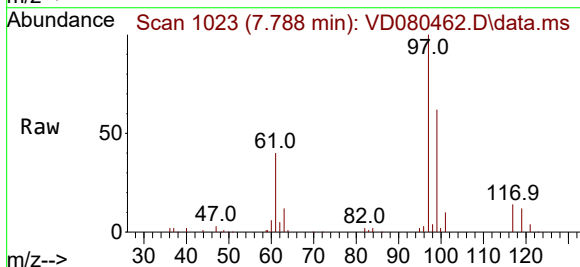
Tgt Ion: 97 Resp: 134147

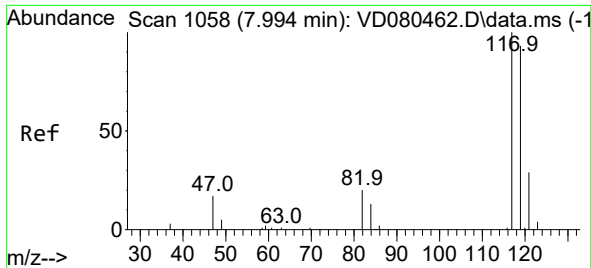
Ion Ratio Lower Upper

97 100

99 65.2 51.1 76.7

61 40.4 32.4 48.6

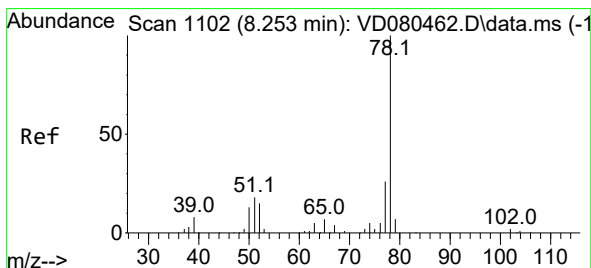
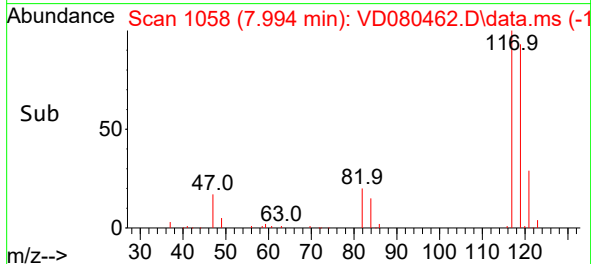
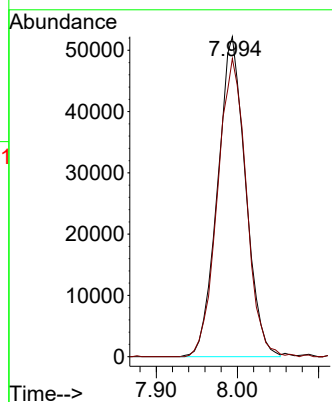
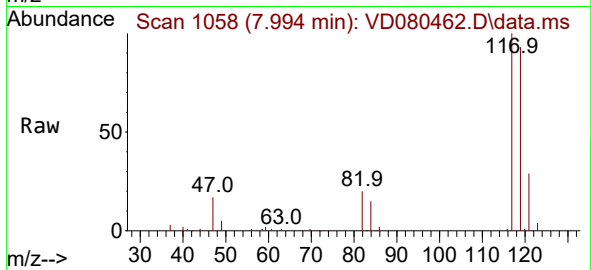




#31
Carbon tetrachloride
Concen: 24.69 ug/L
RT: 7.994 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

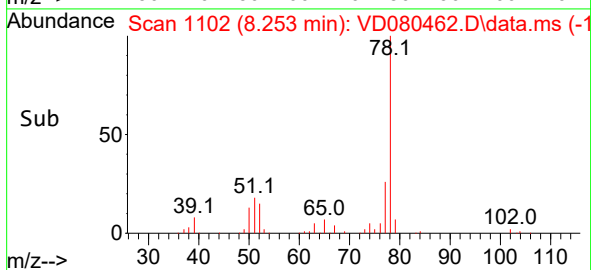
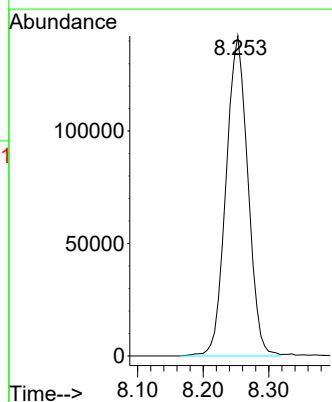
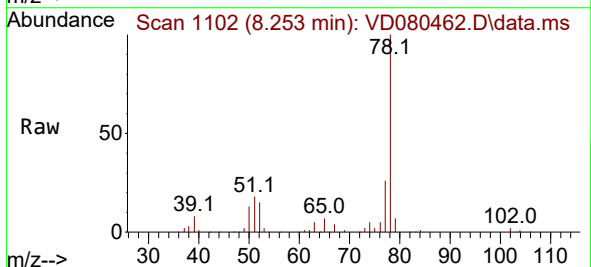
Instrument :
MSVOA_D
ClientSampleId :
VSTD025509

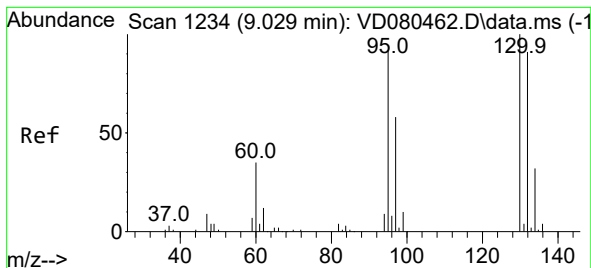
Tgt Ion:117 Resp: 124755
Ion Ratio Lower Upper
117 100
119 95.9 77.2 115.8



#33
Benzene
Concen: 26.88 ug/L
RT: 8.253 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt Ion: 78 Resp: 329187





#34

Trichloroethene

Concen: 25.46 ug/L

RT: 9.029 min Scan# 1234

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025509

Tgt Ion: 95 Resp: 89947

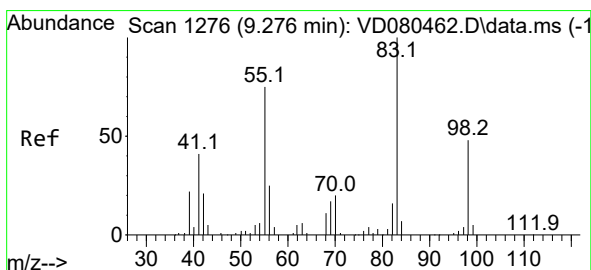
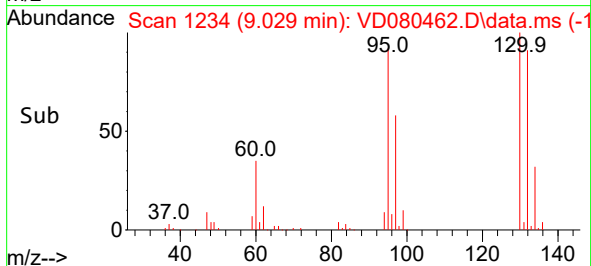
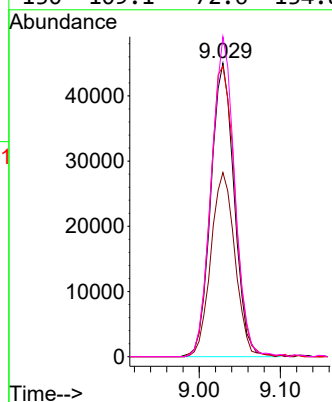
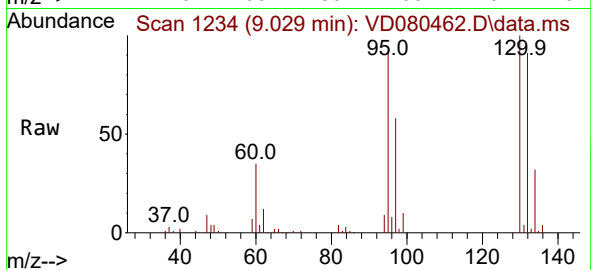
Ion Ratio Lower Upper

95 100

97 62.7 41.5 77.1

132 99.0 69.1 128.3

130 109.1 72.6 134.8



#35

Methylcyclohexane

Concen: 27.10 ug/L

RT: 9.276 min Scan# 1276

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

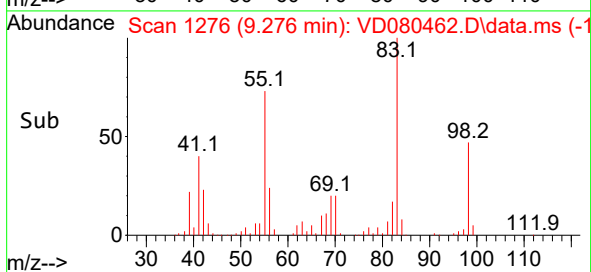
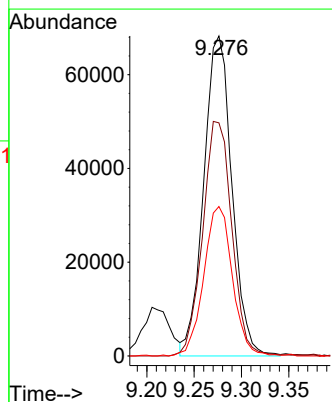
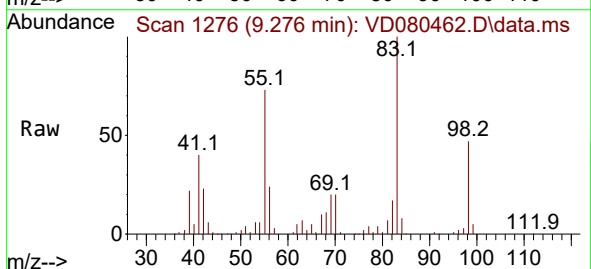
Tgt Ion: 83 Resp: 141493

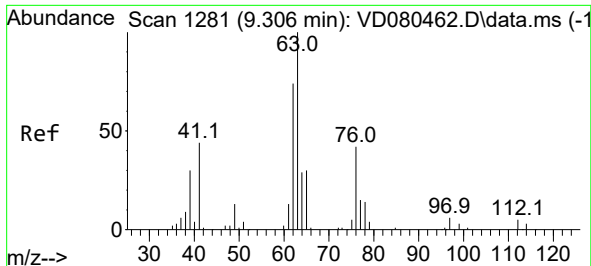
Ion Ratio Lower Upper

83 100

55 75.8 59.7 89.5

98 47.5 38.2 57.2

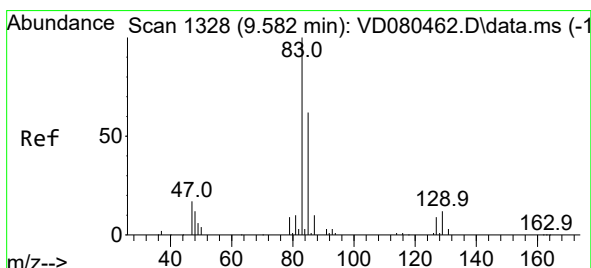
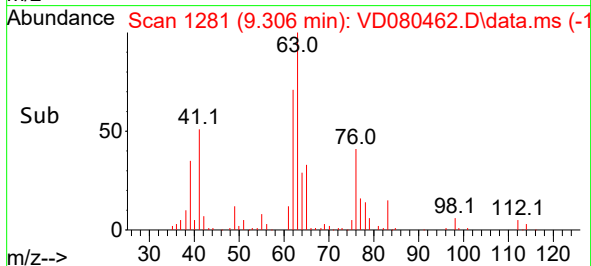
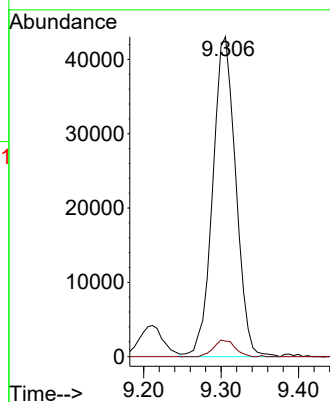
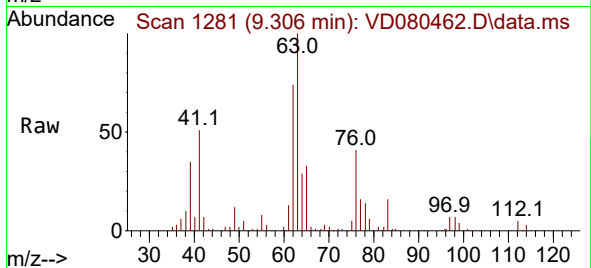




#37
1,2-Dichloropropane
Concen: 26.11 ug/L
RT: 9.306 min Scan# 1281
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

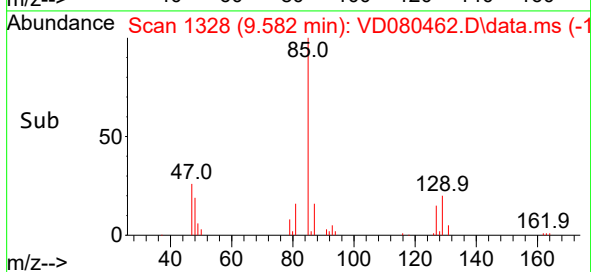
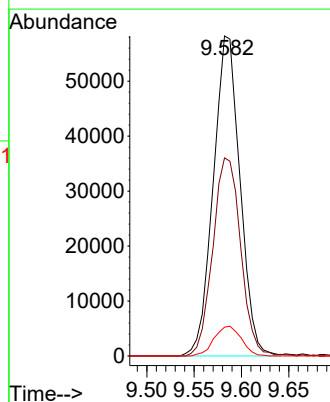
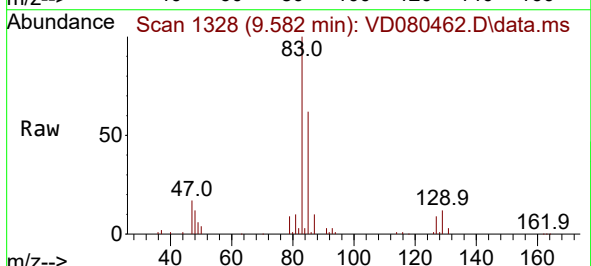
Instrument :
MSVOA_D
ClientSampleId :
VSTD025509

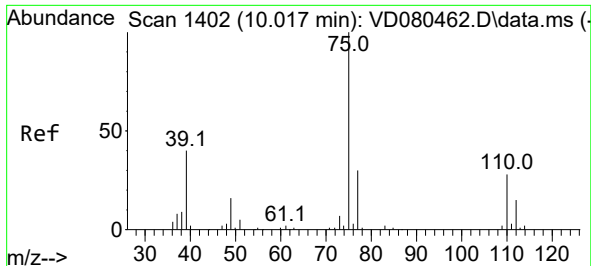
Tgt Ion: 63 Resp: 89193
Ion Ratio Lower Upper
63 100
112 4.8 3.9 5.9



#38
Bromodichloromethane
Concen: 25.50 ug/L
RT: 9.582 min Scan# 1328
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt Ion: 83 Resp: 114529
Ion Ratio Lower Upper
83 100
85 61.9 45.2 84.0
127 9.0 6.2 9.4

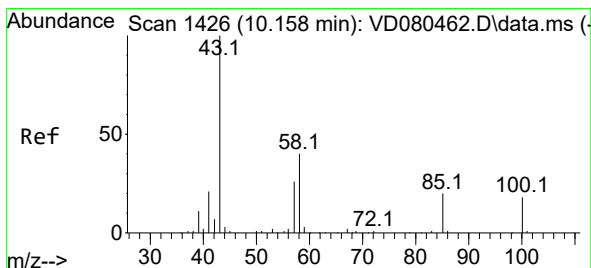
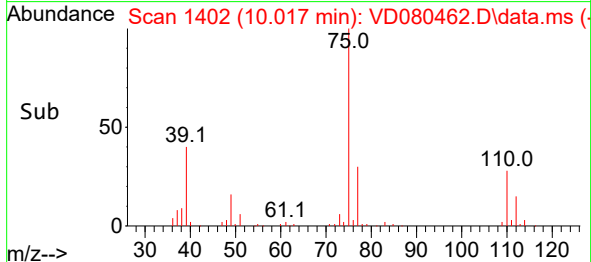
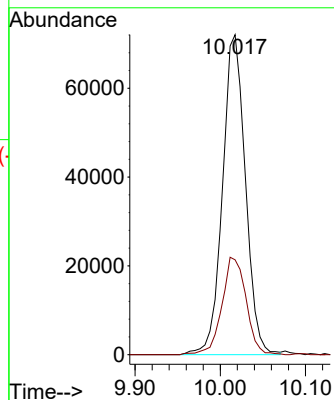
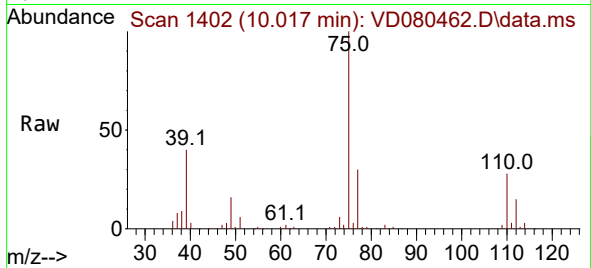




#39
cis-1,3-Dichloropropene
Concen: 26.32 ug/L
RT: 10.017 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

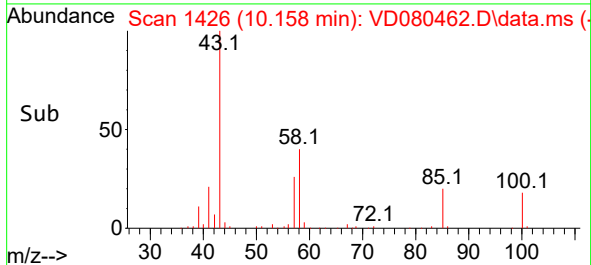
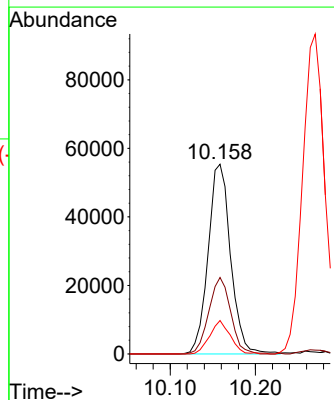
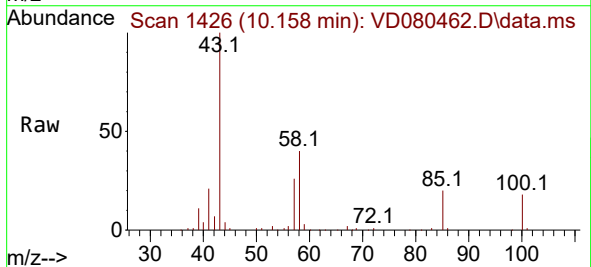
Instrument :
MSVOA_D
ClientSampleId :
VSTD025509

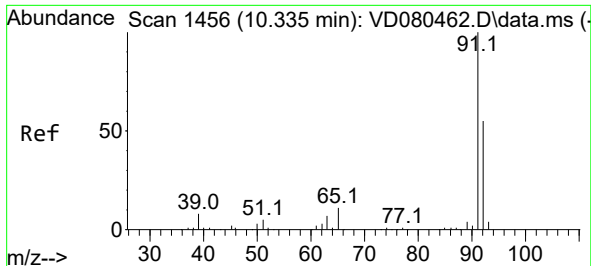
Tgt Ion: 75 Resp: 134543
Ion Ratio Lower Upper
75 100
77 29.7 24.1 44.7



#40
4-Methyl-2-pentanone
Concen: 58.00 ug/L
RT: 10.158 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt Ion: 43 Resp: 101542
Ion Ratio Lower Upper
43 100
58 39.2 31.7 47.5
100 16.0 13.4 20.0





#42

Toluene

Concen: 28.11 ug/L

RT: 10.335 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

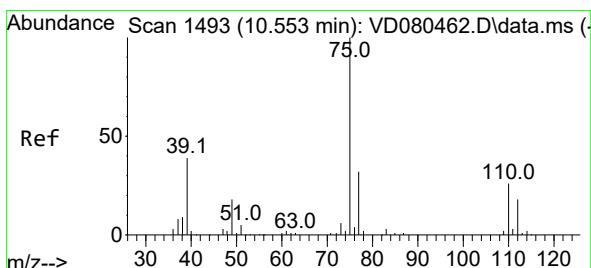
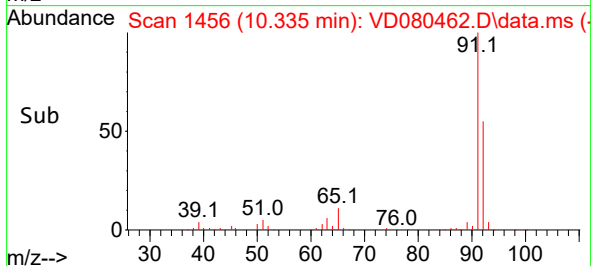
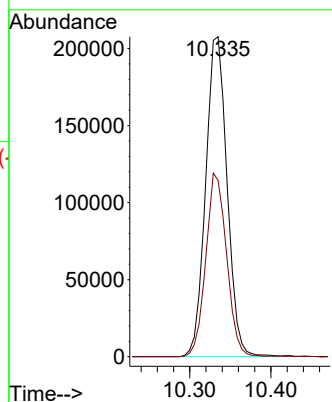
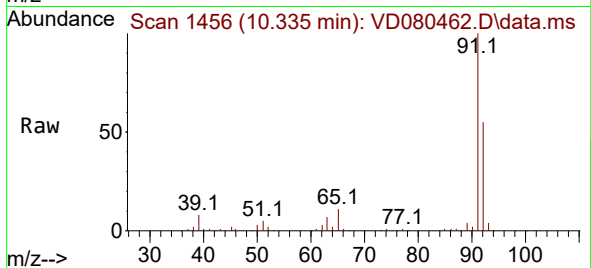
VSTD025509

Tgt Ion: 91 Resp: 380635

Ion Ratio Lower Upper

91 100

92 55.1 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 27.22 ug/L

RT: 10.553 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VD080462.D

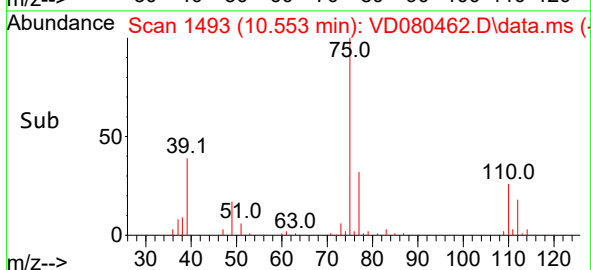
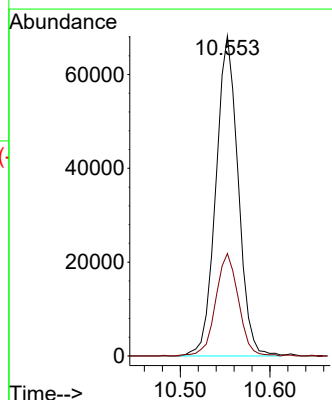
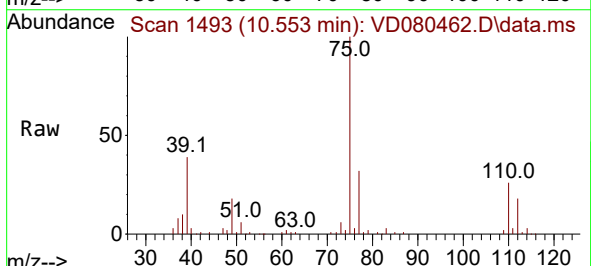
Acq: 20 Jun 2025 10:26

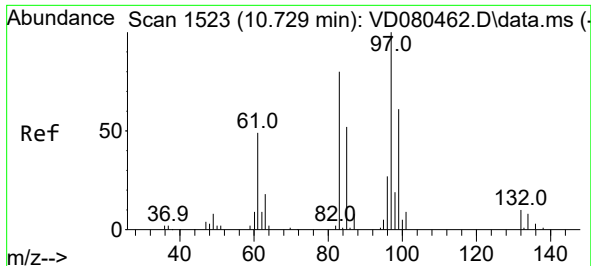
Tgt Ion: 75 Resp: 117797

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6

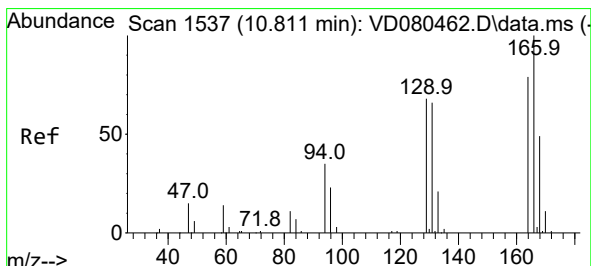
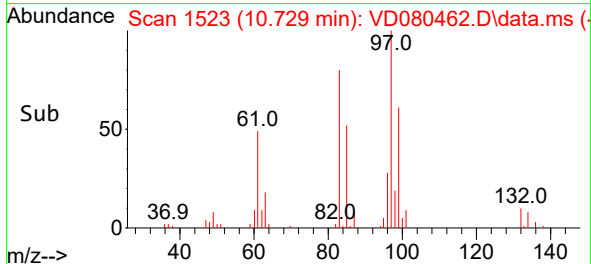
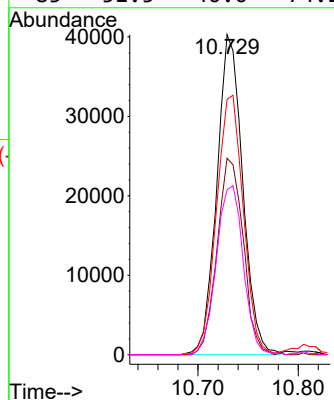
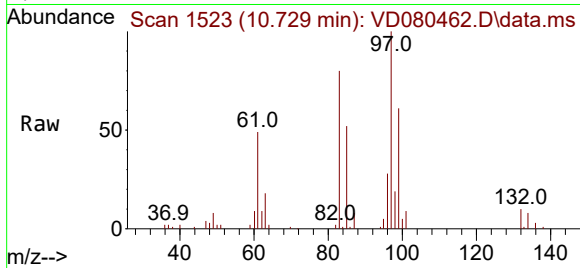




#45
1,1,2-Trichloroethane
Concen: 26.00 ug/L
RT: 10.729 min Scan# 1523
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

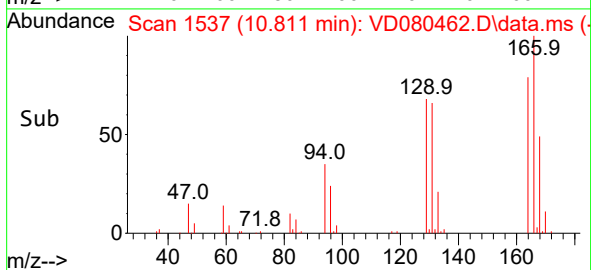
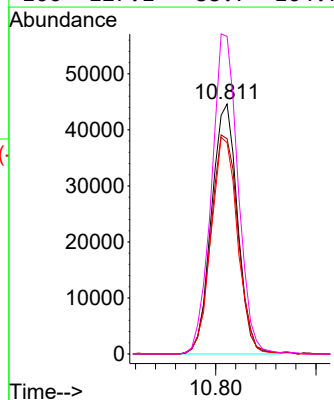
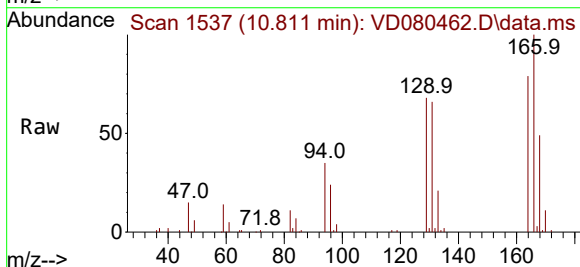
Instrument :
MSVOA_D
ClientSampleId :
VSTD025509

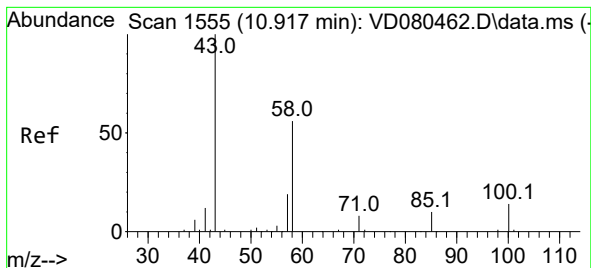
Tgt Ion: 97	Resp: 72160
Ion Ratio	Lower Upper
97 100	
99 61.4	46.5 86.3
83 79.8	58.5 108.7
85 51.5	40.0 74.2



#46
Tetrachloroethene
Concen: 25.53 ug/L
RT: 10.811 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt	Ion:164	Resp:	80665
Ion	Ratio	Lower	Upper
164	100		
129	86.1	59.7	110.9
131	84.5	58.7	109.1
166	127.1	88.7	164.7





#48

2-Hexanone

Concen: 58.35 ug/L

RT: 10.917 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025509

Tgt Ion: 43 Resp: 74433

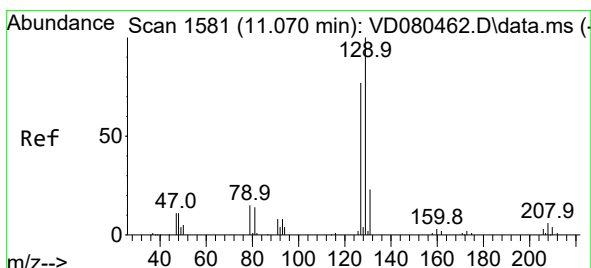
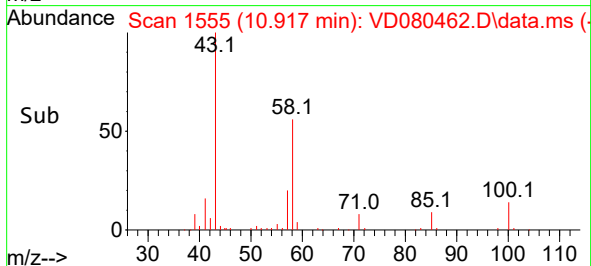
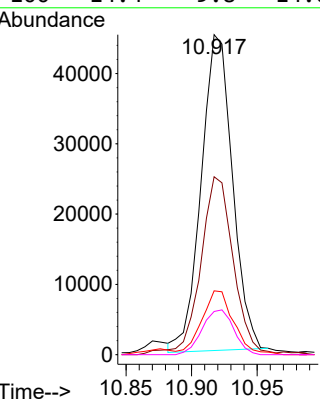
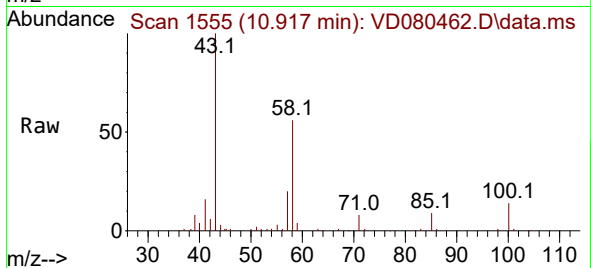
Ion Ratio Lower Upper

43 100

58 59.0 43.8 65.6

57 20.6 15.6 23.4

100 14.4 9.8 14.6



#49

Dibromochloromethane

Concen: 25.89 ug/L

RT: 11.070 min Scan# 1581

Delta R.T. 0.000 min

Lab File: VD080462.D

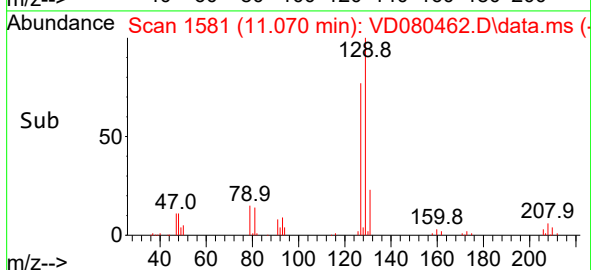
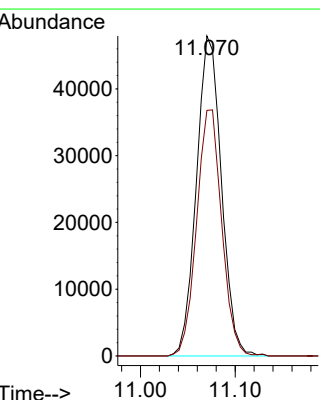
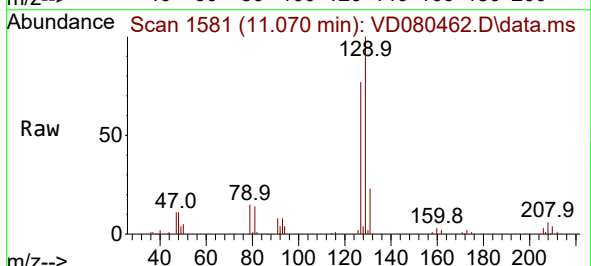
Acq: 20 Jun 2025 10:26

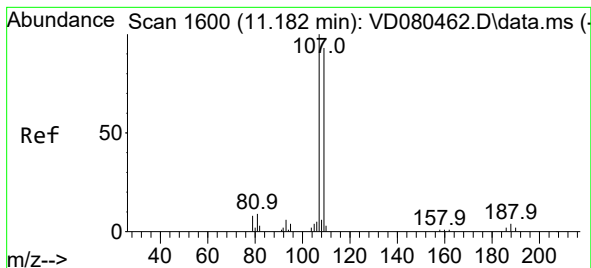
Tgt Ion: 129 Resp: 87796

Ion Ratio Lower Upper

129 100

127 76.8 54.1 100.5





#50

1,2-Dibromoethane

Concen: 26.13 ug/L

RT: 11.182 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025509

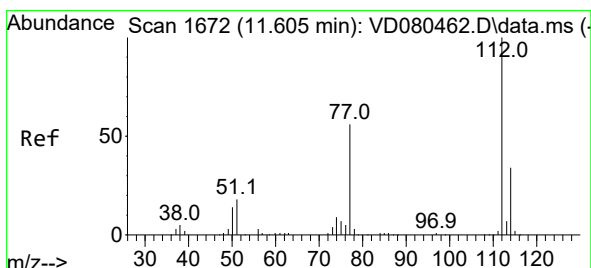
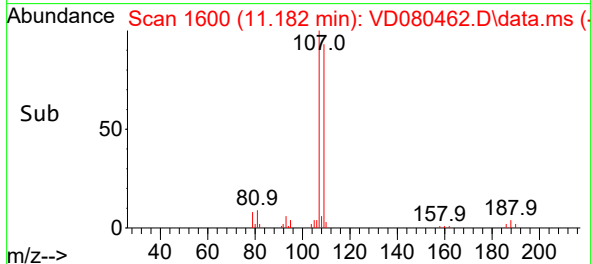
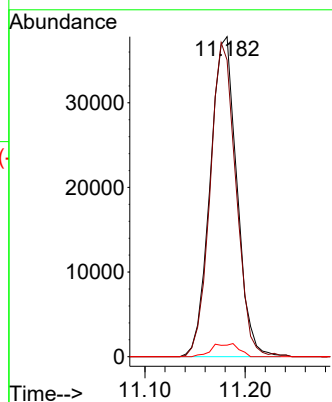
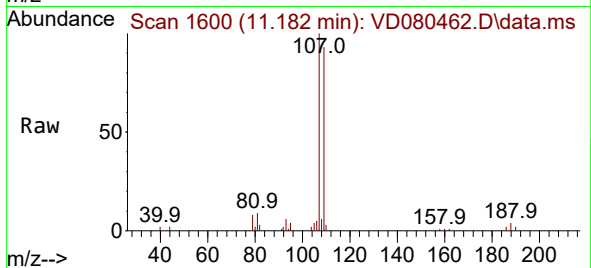
Tgt Ion:107 Resp: 69912

Ion Ratio Lower Upper

107 100

109 92.7 69.8 129.6

188 3.6 2.9 4.3



#51

Chlorobenzene

Concen: 25.55 ug/L

RT: 11.605 min Scan# 1672

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

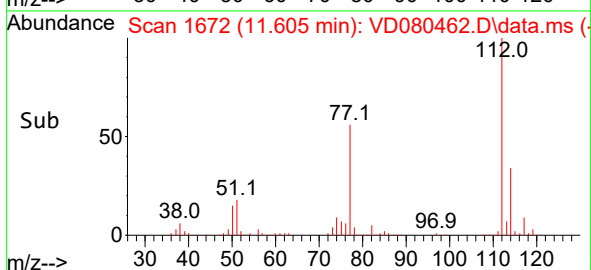
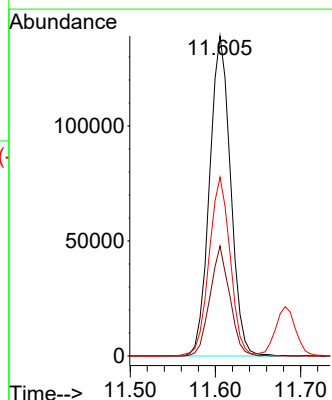
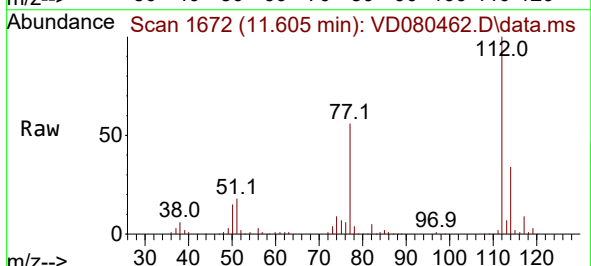
Tgt Ion:112 Resp: 238578

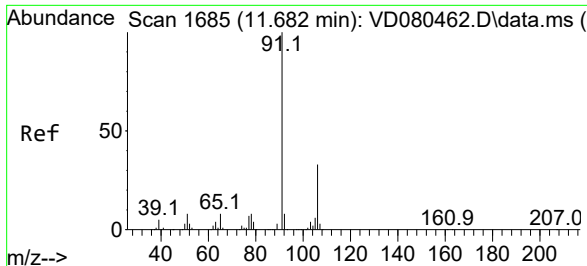
Ion Ratio Lower Upper

112 100

114 34.4 22.3 41.3

77 55.9 44.2 66.4

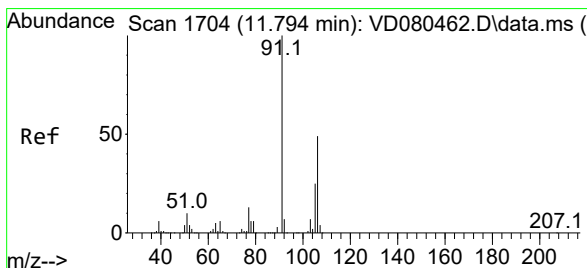
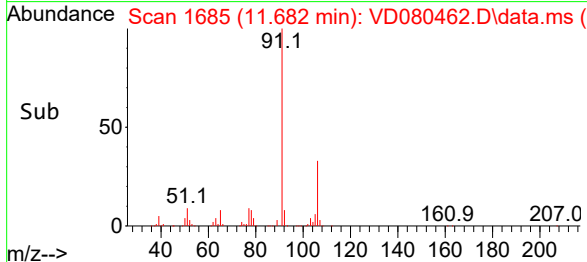
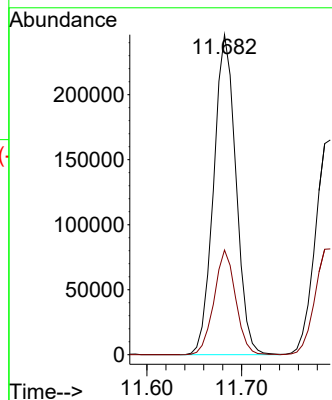
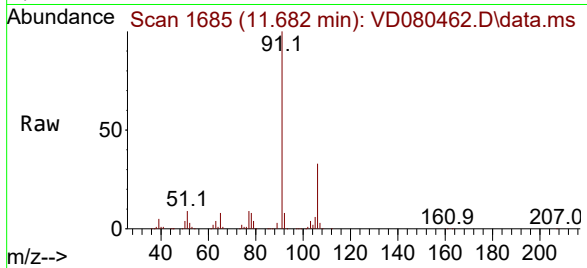




#52
Ethylbenzene
Concen: 27.43 ug/L
RT: 11.682 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

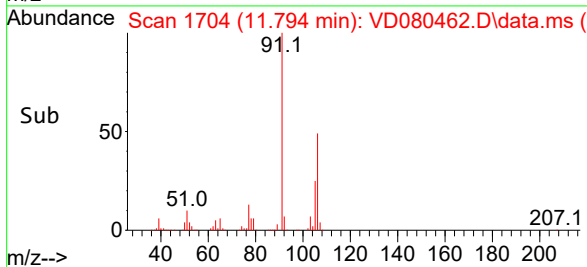
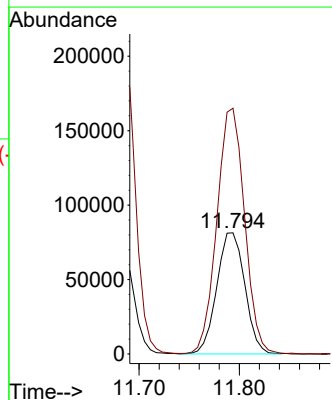
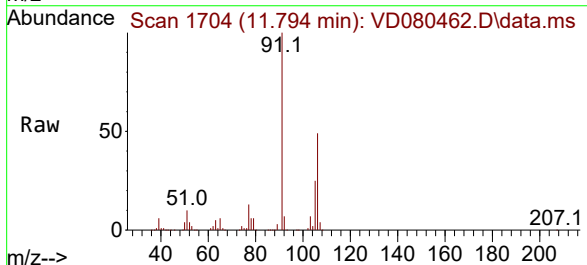
Instrument :
MSVOA_D
ClientSampleId :
VSTD025509

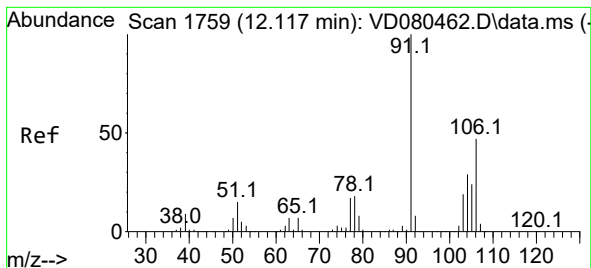
Tgt Ion: 91 Resp: 402801
Ion Ratio Lower Upper
91 100
106 32.7 22.1 41.1



#53
m,p-Xylene
Concen: 27.46 ug/L
RT: 11.794 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt Ion: 106 Resp: 158215
Ion Ratio Lower Upper
106 100
91 203.0 134.1 249.1





#54

o-Xylene

Concen: 26.89 ug/L

RT: 12.117 min Scan# 1759

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

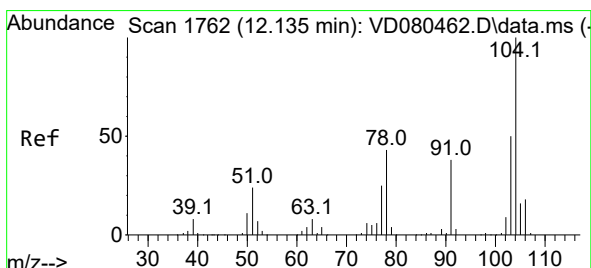
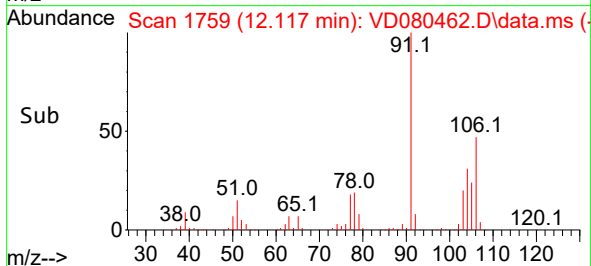
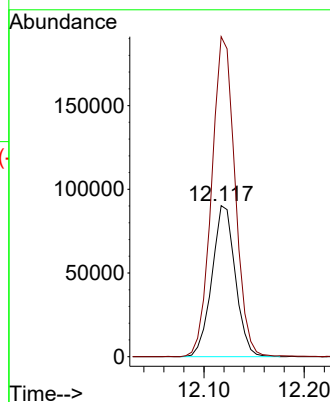
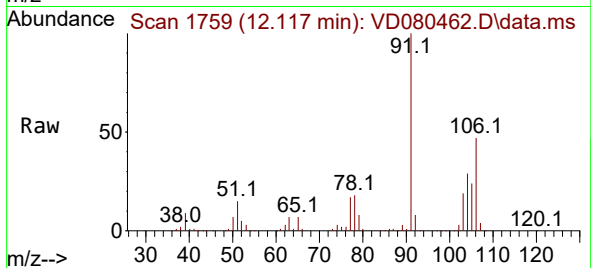
VSTD025509

Tgt Ion:106 Resp: 146044

Ion Ratio Lower Upper

106 100

91 211.8 148.3 275.3



#55

Styrene

Concen: 27.99 ug/L

RT: 12.135 min Scan# 1762

Delta R.T. 0.000 min

Lab File: VD080462.D

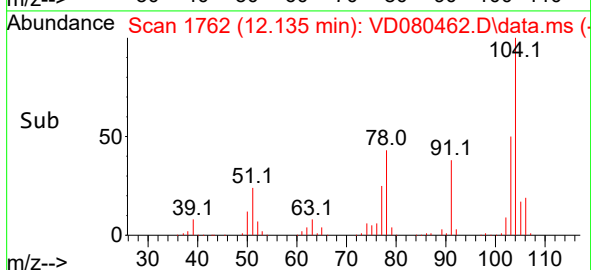
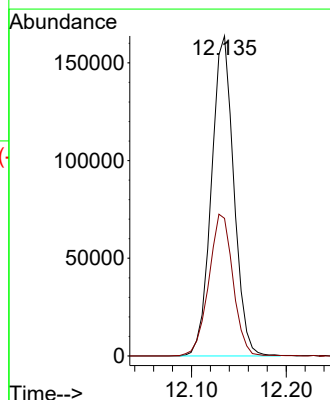
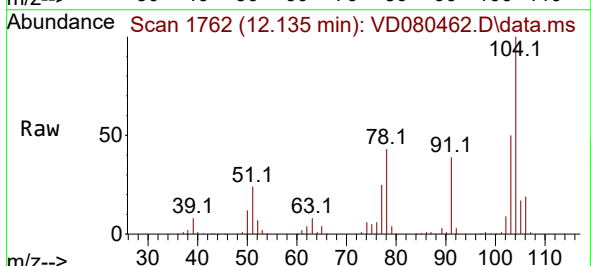
Acq: 20 Jun 2025 10:26

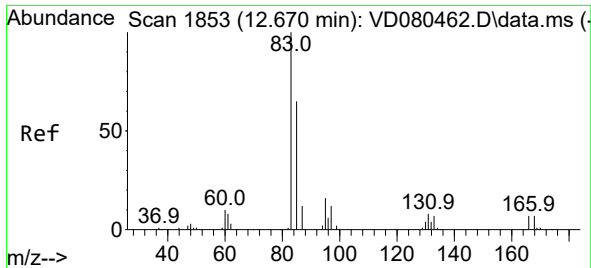
Tgt Ion:104 Resp: 268114

Ion Ratio Lower Upper

104 100

78 43.0 30.0 55.8

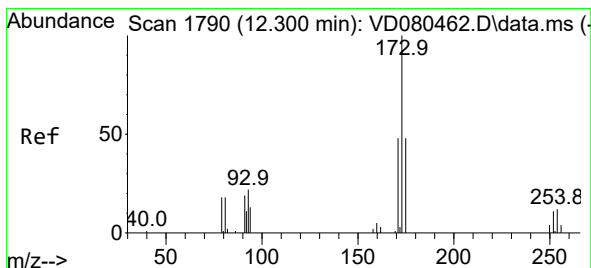
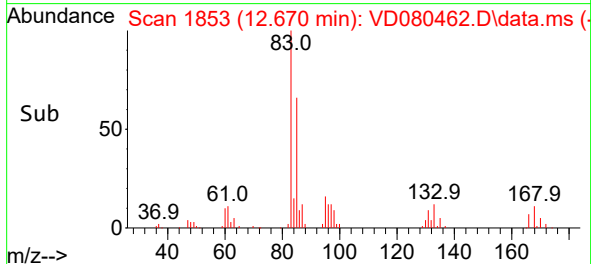
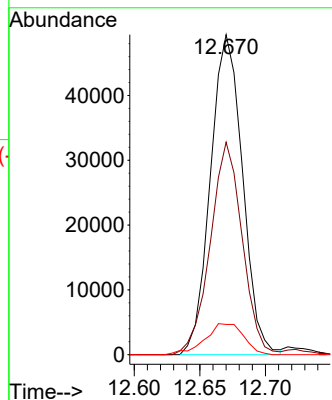
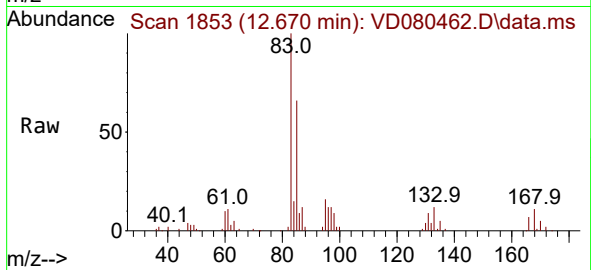




#57
1,1,2,2-Tetrachloroethane
Concen: 24.81 ug/L
RT: 12.670 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

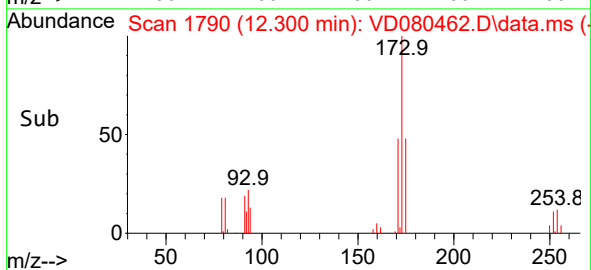
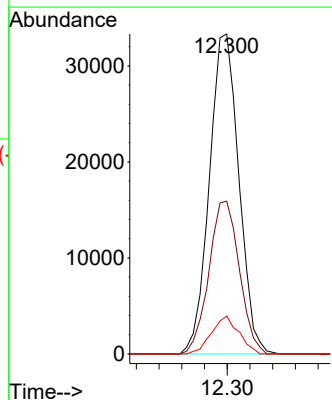
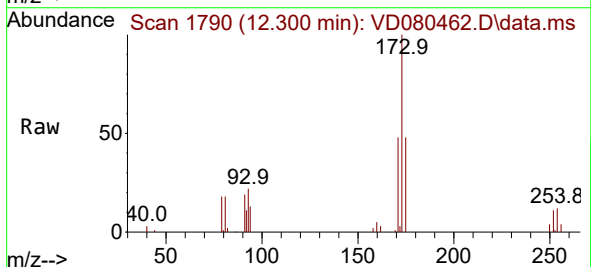
Instrument :
MSVOA_D
ClientSampleId :
VSTD025509

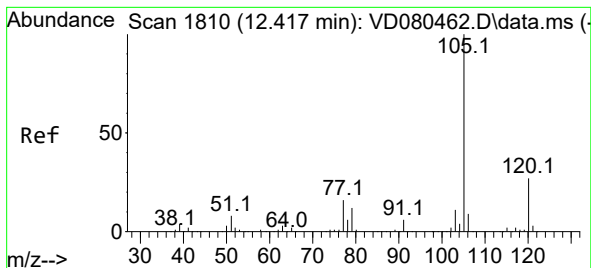
Tgt Ion: 83 Resp: 84090
Ion Ratio Lower Upper
83 100
85 66.4 42.8 79.6
131 9.4 7.8 11.8



#59
Bromoform
Concen: 24.41 ug/L
RT: 12.300 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt Ion: 173 Resp: 60126
Ion Ratio Lower Upper
173 100
175 49.2 38.2 57.4
254 11.0 9.0 13.4





#60

Isopropylbenzene

Concen: 26.58 ug/L

RT: 12.417 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025509

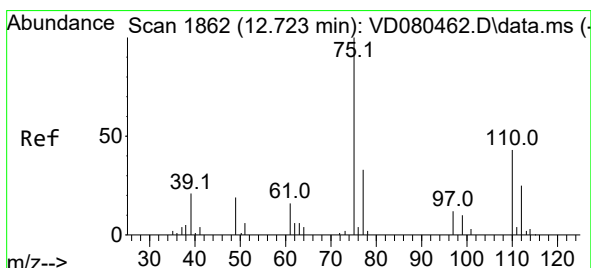
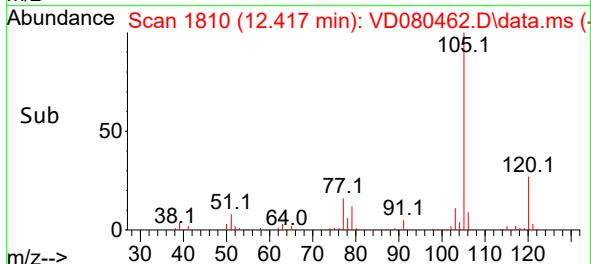
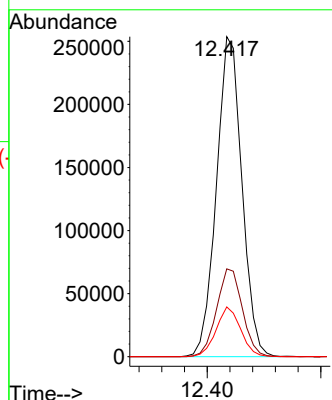
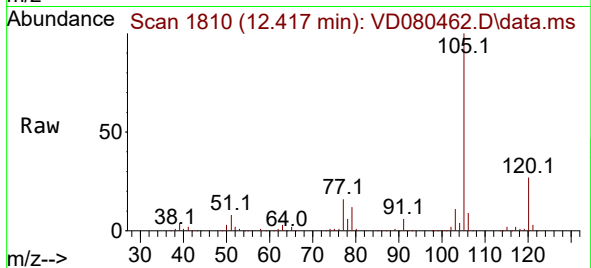
Tgt Ion:105 Resp: 395032

Ion Ratio Lower Upper

105 100

120 27.7 22.1 33.1

77 15.0 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 24.55 ug/L

RT: 12.723 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

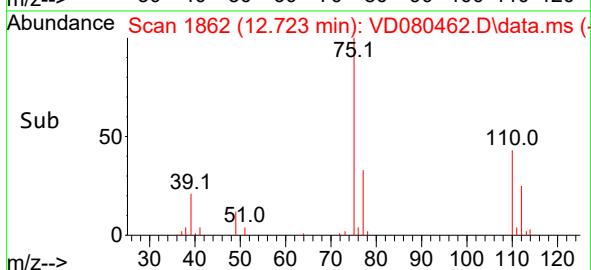
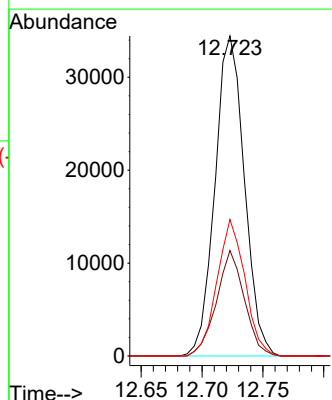
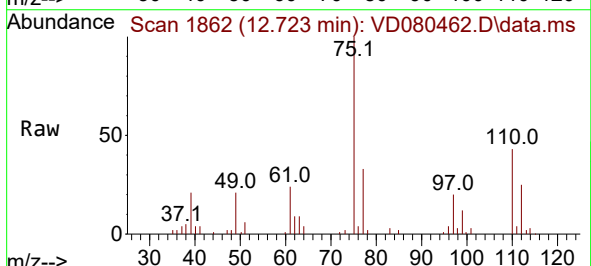
Tgt Ion: 75 Resp: 57835

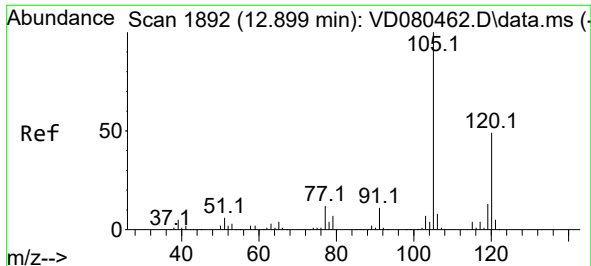
Ion Ratio Lower Upper

75 100

77 31.2 26.8 40.2

110 40.8 33.0 49.4





#62

1,3,5-Trimethylbenzene

Concen: 26.93 ug/L

RT: 12.899 min Scan# 1892

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

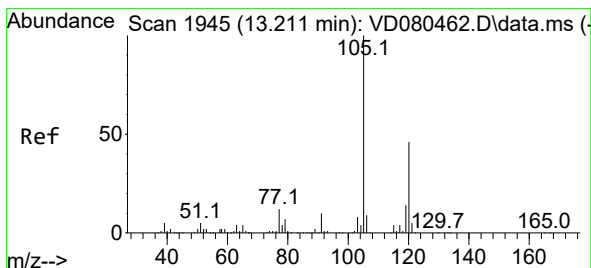
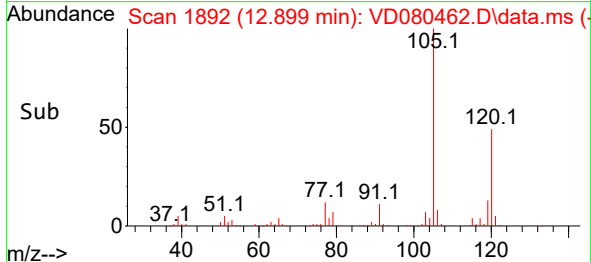
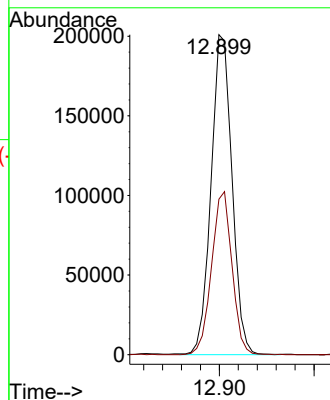
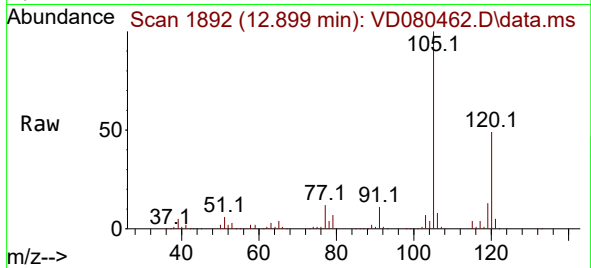
VSTD025509

Tgt Ion:105 Resp: 308816

Ion Ratio Lower Upper

105 100

120 49.7 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 27.07 ug/L

RT: 13.211 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VD080462.D

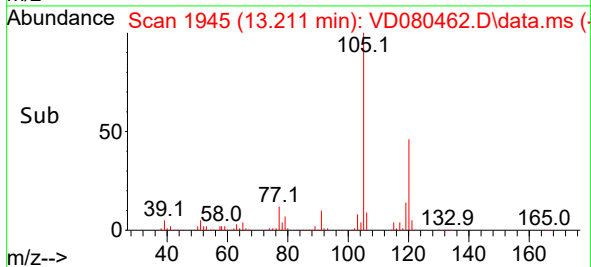
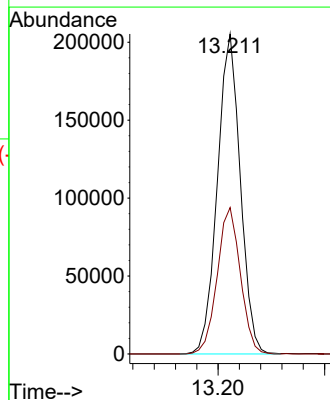
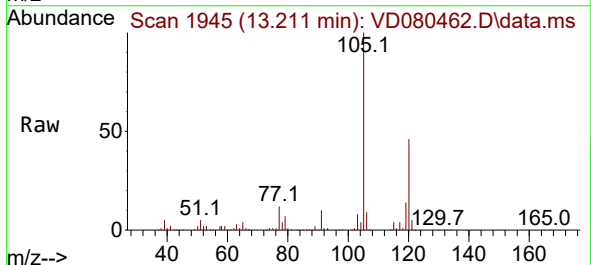
Acq: 20 Jun 2025 10:26

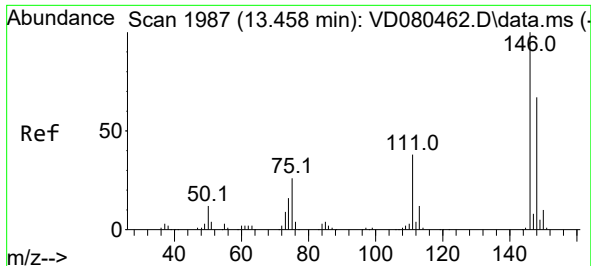
Tgt Ion:105 Resp: 306518

Ion Ratio Lower Upper

105 100

120 46.2 37.5 56.3

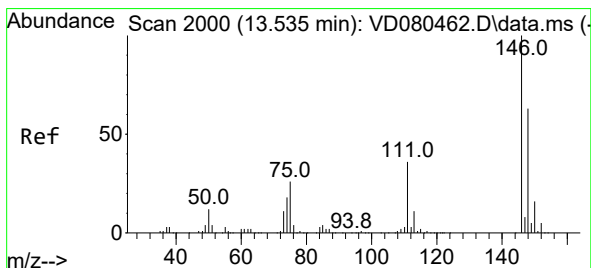
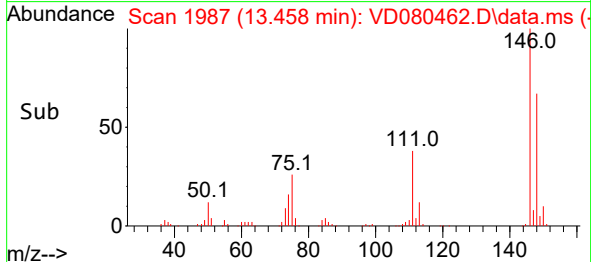
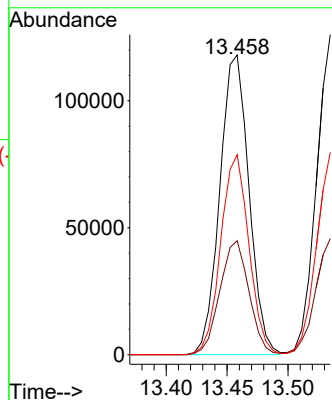
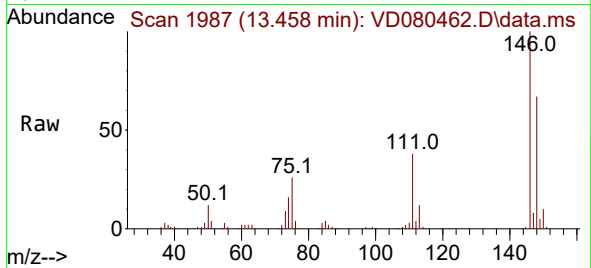




#64
1,3-Dichlorobenzene
Concen: 25.30 ug/L
RT: 13.458 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

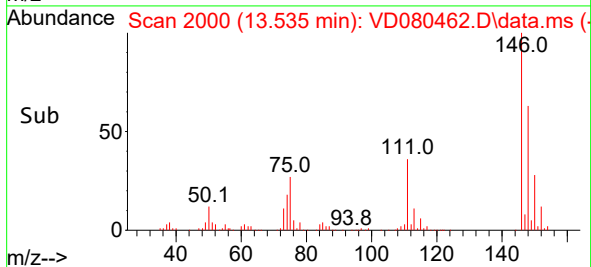
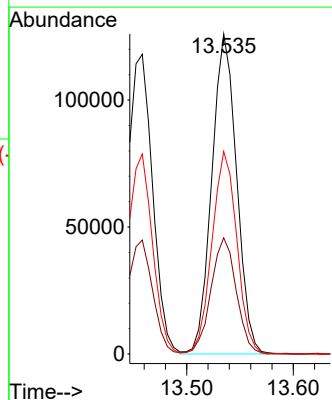
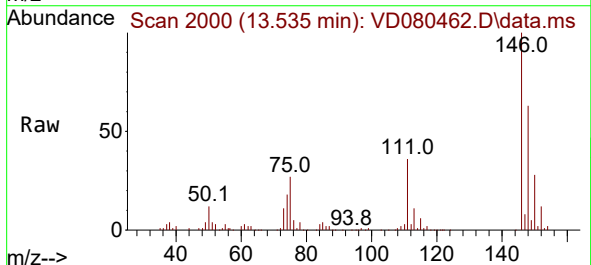
Instrument :
MSVOA_D
ClientSampleId :
VSTD025509

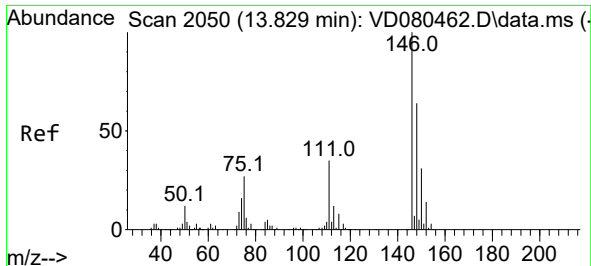
Tgt Ion:146 Resp: 196940
Ion Ratio Lower Upper
146 100
111 38.0 25.4 47.2
148 66.8 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 25.23 ug/L
RT: 13.535 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080462.D
Acq: 20 Jun 2025 10:26

Tgt Ion:146 Resp: 204378
Ion Ratio Lower Upper
146 100
111 36.3 24.5 45.5
148 63.3 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 25.91 ug/L

RT: 13.829 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025509

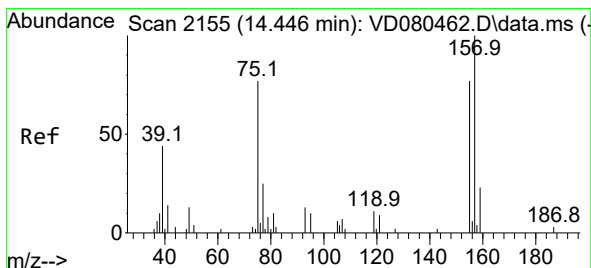
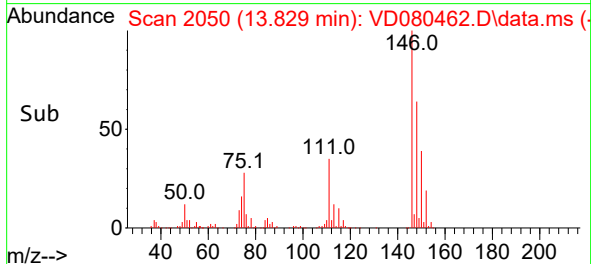
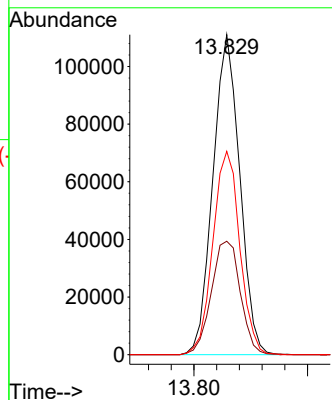
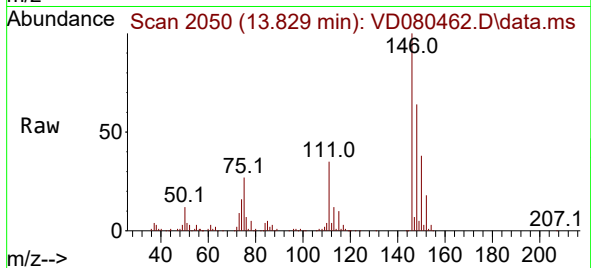
Tgt Ion:146 Resp: 182116

Ion Ratio Lower Upper

146 100

111 35.5 32.0 48.0

148 63.5 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 23.66 ug/L

RT: 14.446 min Scan# 2155

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

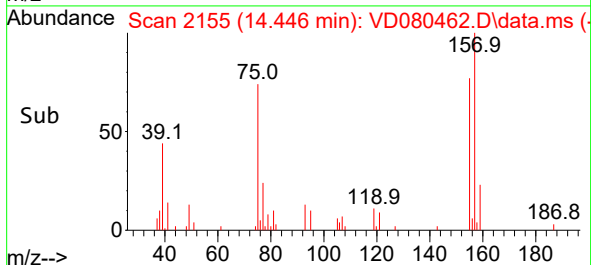
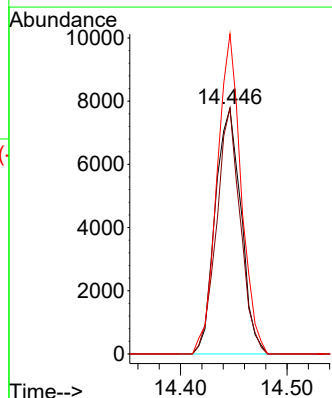
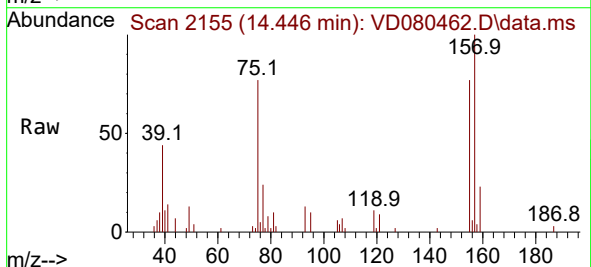
Tgt Ion: 75 Resp: 13059

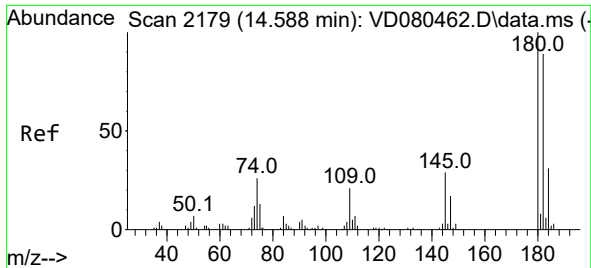
Ion Ratio Lower Upper

75 100

155 100.0 86.2 129.2

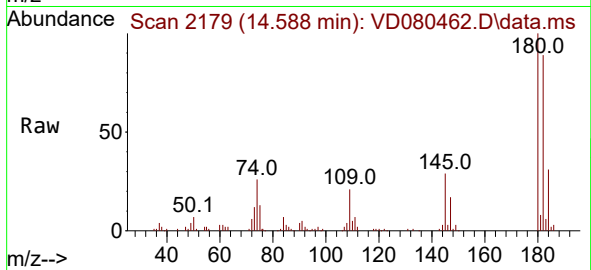
157 130.3 94.0 141.0





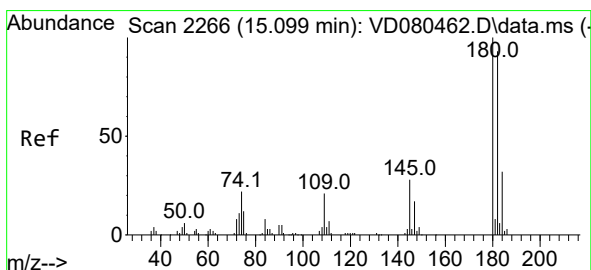
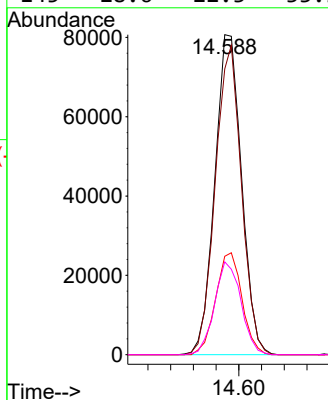
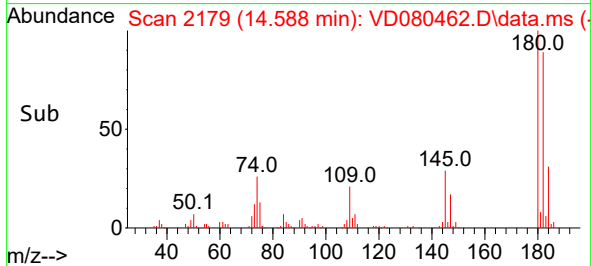
#69
 1,3,5-Trichlorobenzene
 Concen: 24.55 ug/L
 RT: 14.588 min Scan# 2179
 Delta R.T. 0.000 min
 Lab File: VD080462.D
 Acq: 20 Jun 2025 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025509

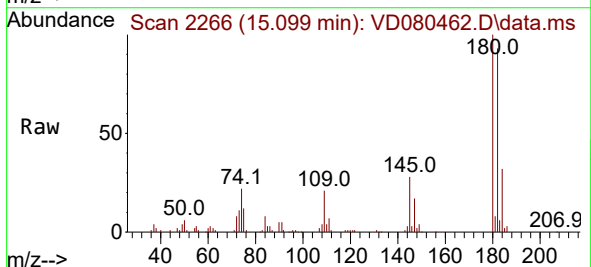


Tgt Ion:180 Resp: 132079

Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.0	115.4
184	31.3	24.9	37.3
145	28.6	22.3	33.5

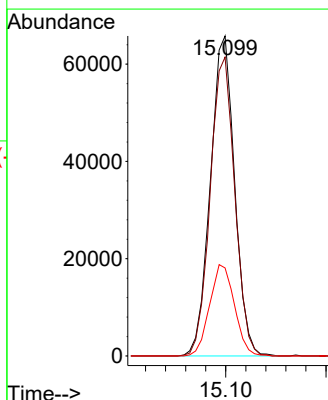
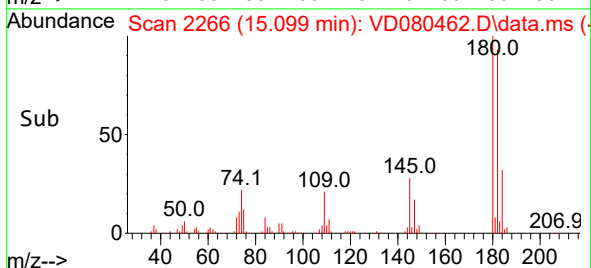


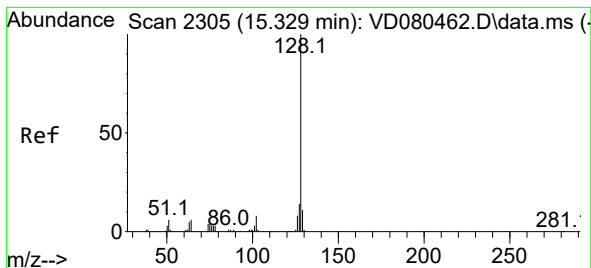
#70
 1,2,4-trichlorobenzene
 Concen: 25.11 ug/L
 RT: 15.099 min Scan# 2266
 Delta R.T. 0.000 min
 Lab File: VD080462.D
 Acq: 20 Jun 2025 10:26



Tgt Ion:180 Resp: 110516

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.0	114.0
145	29.2	22.2	33.4





#71

Naphthalene

Concen: 25.12 ug/L

RT: 15.329 min Scan# 2305

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD025509

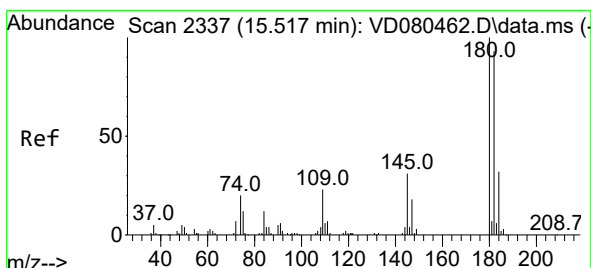
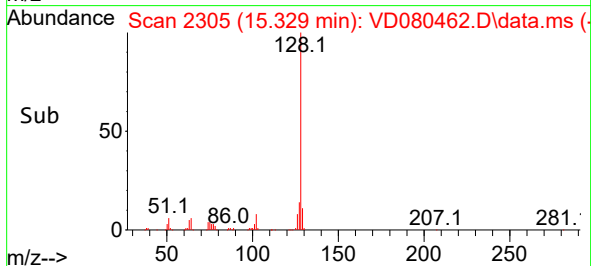
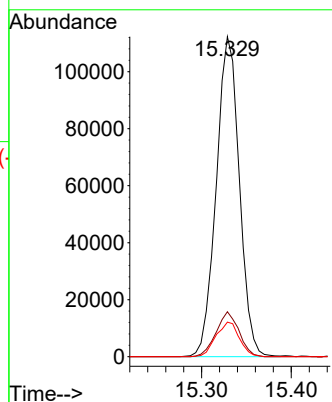
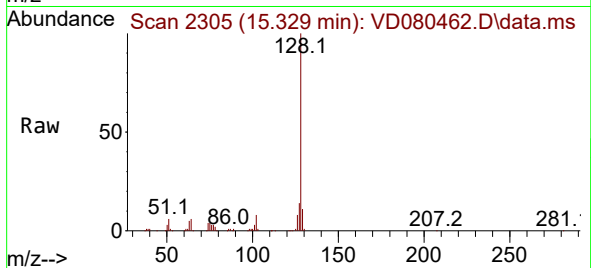
Tgt Ion:128 Resp: 200992

Ion Ratio Lower Upper

128 100

127 13.9 11.0 16.6

129 10.9 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 25.49 ug/L

RT: 15.517 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD080462.D

Acq: 20 Jun 2025 10:26

Tgt Ion:180 Resp: 105177

Ion Ratio Lower Upper

180 100

182 94.3 74.7 112.1

145 31.0 24.2 36.4

