

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061825\
 Data File : VD080448.D
 Acq On : 18 Jun 2025 10:28
 Operator : RP/MD
 Sample : VSTD025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025884

Quant Time: Jun 19 08:37:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 19 08:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	188692	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	185225	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	104522	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	75440	23.11	ug/L	0.00
7) Chloroethane-d5	2.805	69	66847	24.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.917	65	25977	23.04	ug/L	0.00
21) 2-Butanone-d5	6.988	46	16787	29.25	ug/L	0.00
24) Chloroform-d	7.570	84	132157	24.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.229	65	68761	25.05	ug/L	0.00
32) Benzene-d6	8.205	84	259479	24.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.211	67	80272	23.93	ug/L	0.00
41) Toluene-d8	10.270	98	254836	25.81	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.529	79	36191	25.63	ug/L	0.00
47) 2-Hexanone-d5	10.876	63	25765	50.23	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.646	84	75672	25.24	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.811	152	95212	24.05	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	64646	21.55	ug/L	100
3) Chloromethane	2.147	50	62710	21.35	ug/L	100
5) Vinyl chloride	2.288	62	77864	22.37	ug/L	100
6) Bromomethane	2.700	94	45905	24.14	ug/L	100
8) Chloroethane	2.841	64	49328	21.11	ug/L	100
9) Trichlorofluoromethane	3.176	101	106886	22.92	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	67568	23.12	ug/L	100
12) 1,1-Dichloroethene	3.947	96	55322	22.04	ug/L	100
13) Acetone	4.023	43	21173	42.23	ug/L	100
14) Carbon disulfide	4.276	76	184592	21.84	ug/L	100
15) Methyl Acetate	4.570	43	25690	21.20	ug/L	100
16) Methylene chloride	4.805	84	63555	15.54	ug/L	100
17) trans-1,2-Dichloroethene	5.311	96	60463	21.65	ug/L	100
18) Methyl tert-butyl Ether	5.311	73	57970	10.68	ug/L #	53
19) 1,1-Dichloroethane	6.117	63	105867	21.81	ug/L	100
20) cis-1,2-Dichloroethene	7.082	96	64498	21.77	ug/L	100
22) 2-Butanone	7.082	43	30534	44.60	ug/L	100
23) Bromochloromethane	7.423	128	35331	23.03	ug/L	100
25) Chloroform	7.593	83	124465	22.90	ug/L	100
27) 1,2-Dichloroethane	8.329	62	70847	22.83	ug/L	100
29) Cyclohexane	7.876	56	89418	22.57	ug/L	100
30) 1,1,1-Trichloroethane	7.793	97	100870	22.24	ug/L	100
31) Carbon tetrachloride	7.999	117	93700	22.14	ug/L	100
33) Benzene	8.252	78	250517	22.64	ug/L	100
34) Trichloroethene	9.029	95	66481	21.49	ug/L	100
35) Methylcyclohexane	9.276	83	103633	22.77	ug/L	100
37) 1,2-Dichloropropane	9.305	63	67919	22.35	ug/L	100
38) Bromodichloromethane	9.582	83	85167	21.63	ug/L	100
39) cis-1,3-Dichloropropene	10.017	75	99942	22.15	ug/L	100
40) 4-Methyl-2-pentanone	10.158	43	71213	46.47	ug/L	100
42) Toluene	10.335	91	280925	23.19	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	88392	22.71	ug/L	100

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

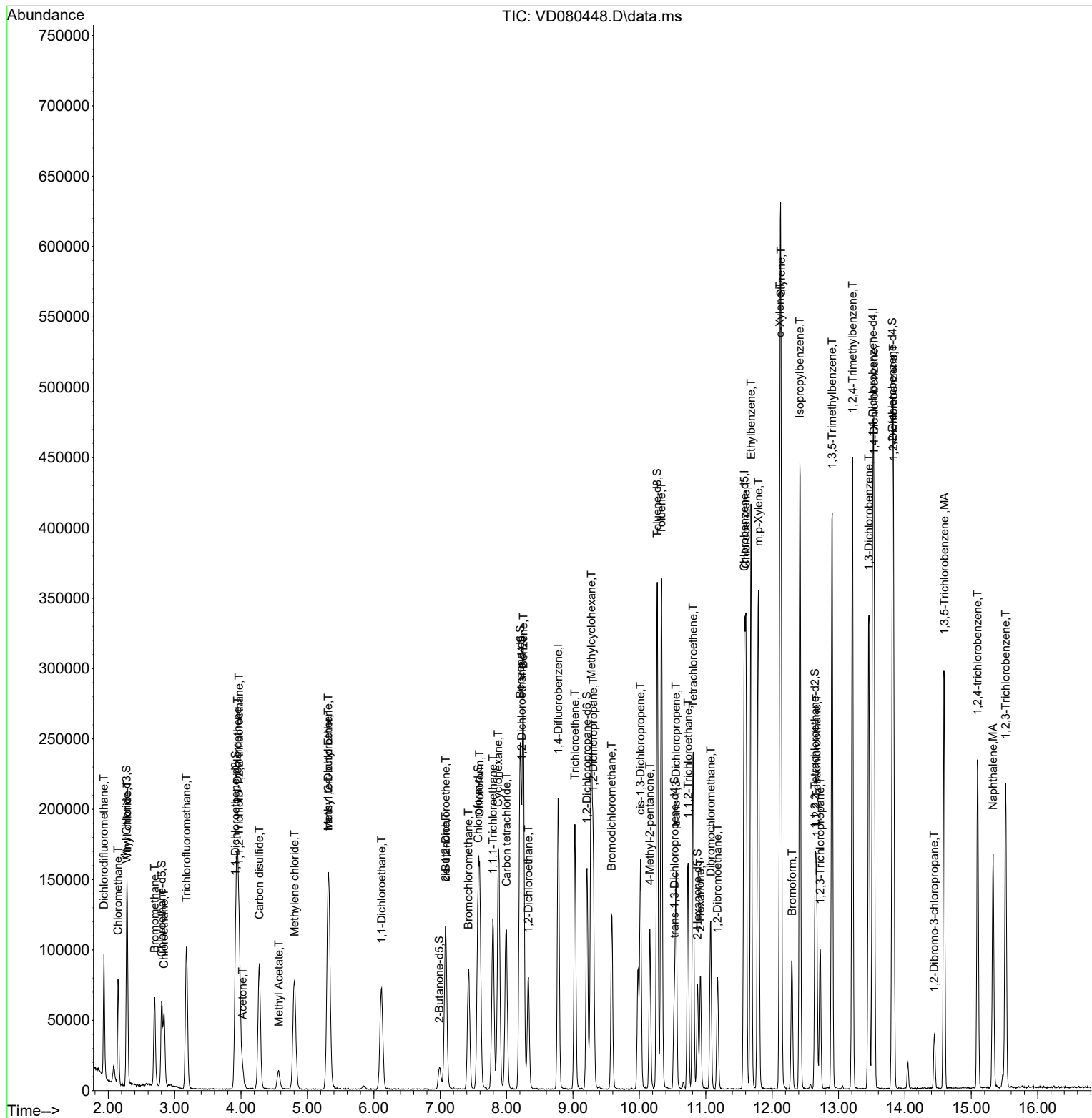
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	54566	22.00	ug/L	100
46) Tetrachloroethene	10.811	164	62071	22.90	ug/L	100
48) 2-Hexanone	10.917	43	52629	46.94	ug/L	100
49) Dibromochloromethane	11.076	129	67459	22.82	ug/L	100
50) 1,2-Dibromoethane	11.176	107	52799	22.54	ug/L	100
51) Chlorobenzene	11.605	112	182559	22.08	ug/L	100
52) Ethylbenzene	11.681	91	298688	22.98	ug/L	100
53) m,p-Xylene	11.793	106	118939	23.66	ug/L	100
54) o-Xylene	12.117	106	110123	22.89	ug/L	100
55) Styrene	12.134	104	205246	23.93	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.670	83	65551	22.77	ug/L	100
59) Bromoform	12.299	173	47067	22.18	ug/L	100
60) Isopropylbenzene	12.417	105	296328	22.17	ug/L	100
61) 1,2,3-Trichloropropane	12.723	75	44718	21.45	ug/L	100
62) 1,3,5-Trimethylbenzene	12.905	105	228226	21.88	ug/L	100
63) 1,2,4-Trimethylbenzene	13.211	105	228944	22.20	ug/L	100
64) 1,3-Dichlorobenzene	13.458	146	153292	21.94	ug/L	100
65) 1,4-Dichlorobenzene	13.534	146	159716	22.01	ug/L	100
67) 1,2-Dichlorobenzene	13.828	146	140760	21.71	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.440	75	9616	20.37	ug/L	100
69) 1,3,5-Trichlorobenzene	14.593	180	100377	20.93	ug/L	100
70) 1,2,4-trichlorobenzene	15.093	180	84750	21.00	ug/L	100
71) Naphthalene	15.328	128	149919	20.90	ug/L	100
72) 1,2,3-Trichlorobenzene	15.517	180	81594	21.84	ug/L	100

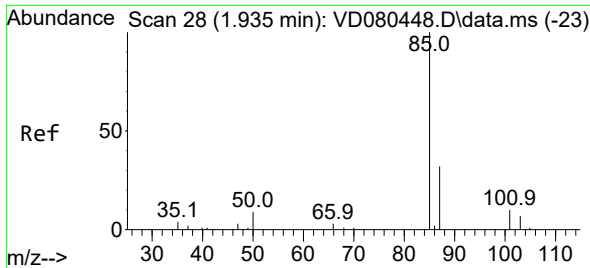
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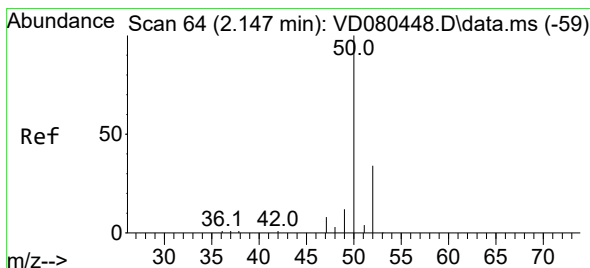
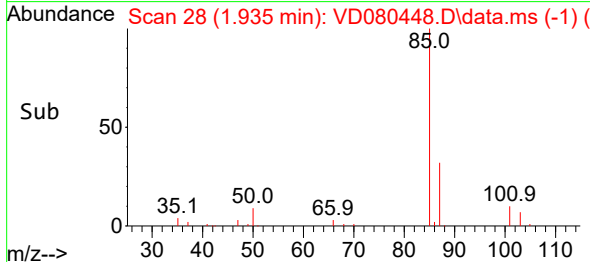
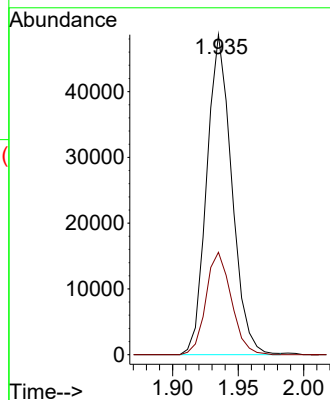
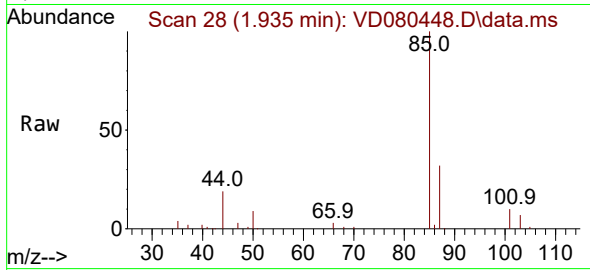




#2
 Dichlorodifluoromethane
 Concen: 21.55 ug/L
 RT: 1.935 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VD080448.D
 Acq: 18 Jun 2025 10:28

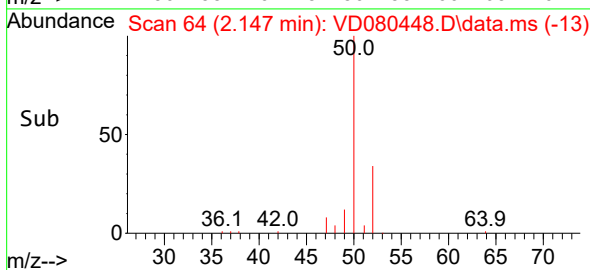
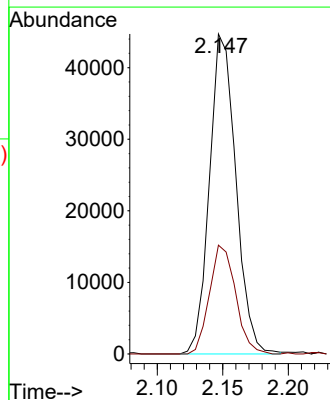
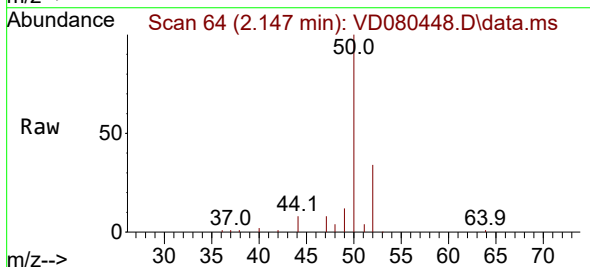
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025884

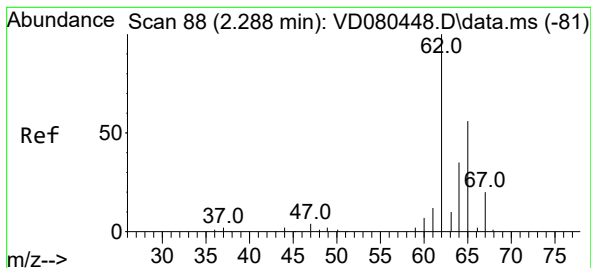
Tgt Ion: 85 Resp: 64646
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 21.35 ug/L
 RT: 2.147 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: VD080448.D
 Acq: 18 Jun 2025 10:28

Tgt Ion: 50 Resp: 62710
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.8 44.2





#5

Vinyl chloride

Concen: 22.37 ug/L

RT: 2.288 min Scan# 88

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

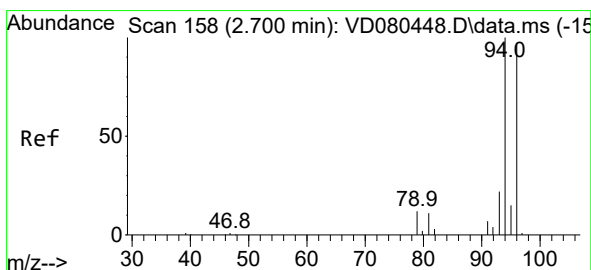
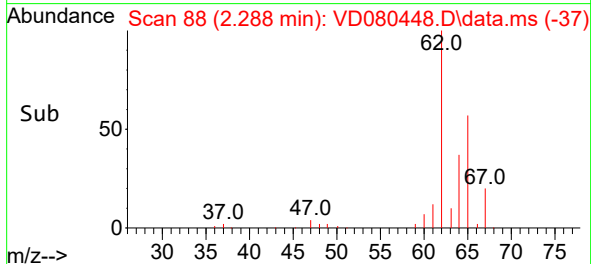
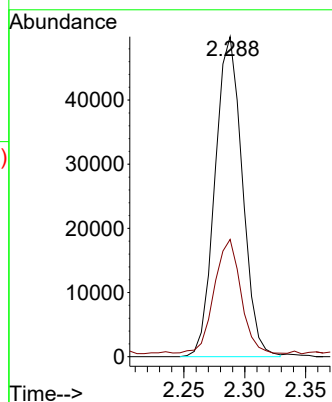
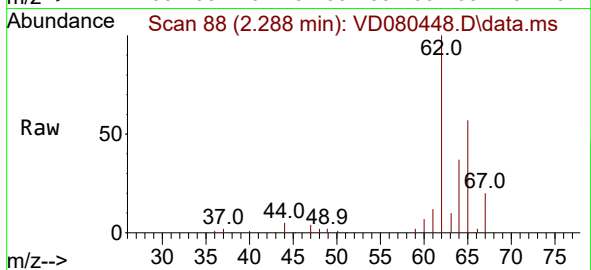
VSTD025884

Tgt Ion: 62 Resp: 77864

Ion Ratio Lower Upper

62 100

64 36.6 25.6 47.6



#6

Bromomethane

Concen: 24.14 ug/L

RT: 2.700 min Scan# 158

Delta R.T. 0.000 min

Lab File: VD080448.D

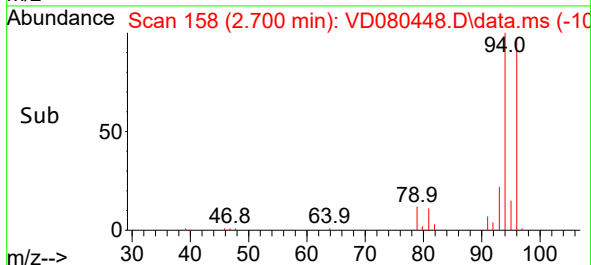
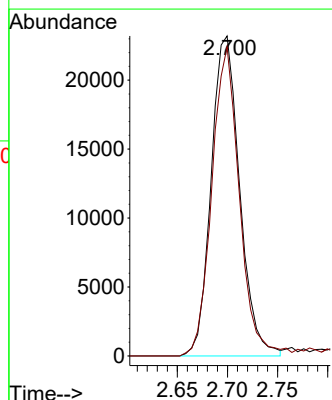
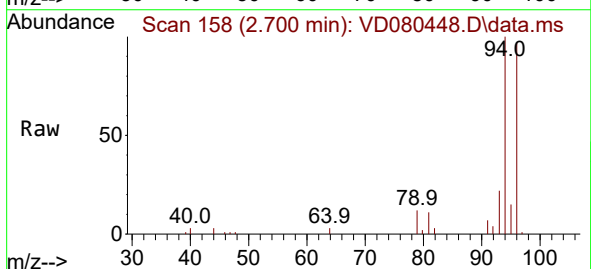
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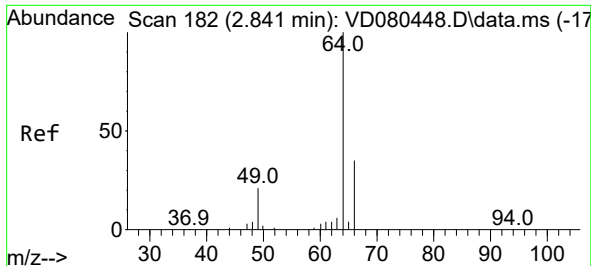
Tgt Ion: 94 Resp: 45905

Ion Ratio Lower Upper

94 100

96 96.6 67.6 125.6

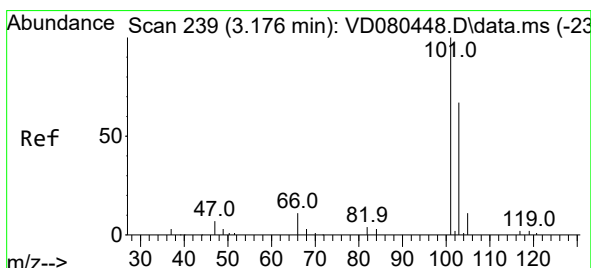
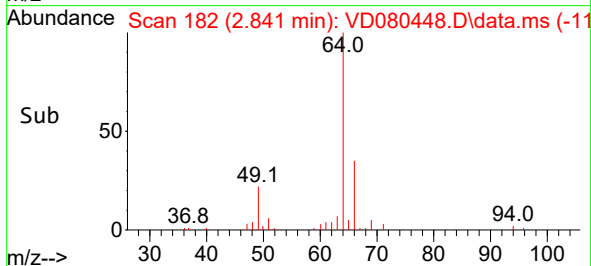
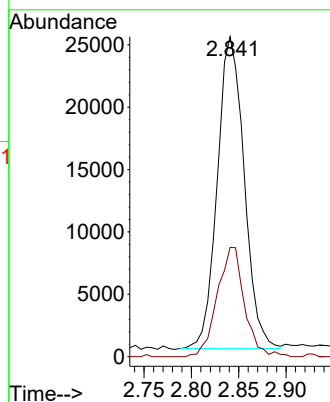
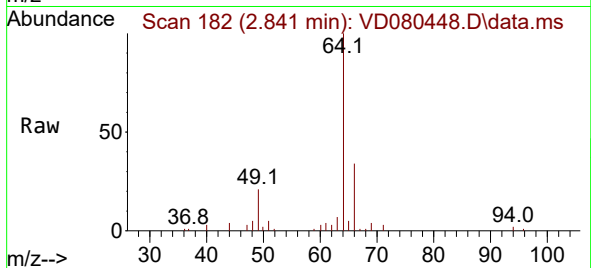




#8
Chloroethane
Concen: 21.11 ug/L
RT: 2.841 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

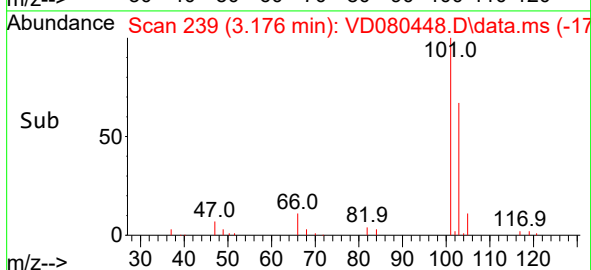
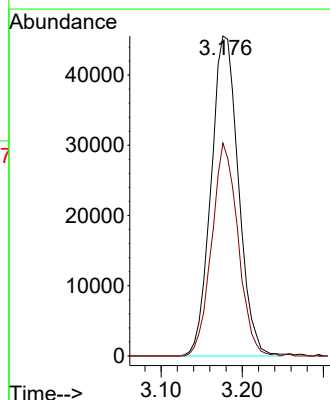
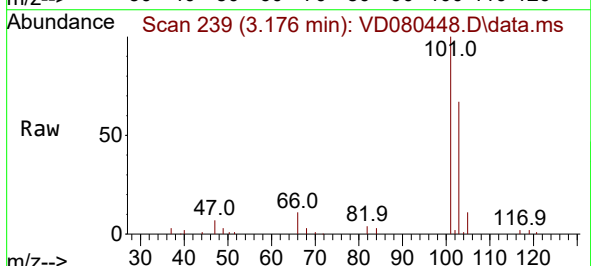
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

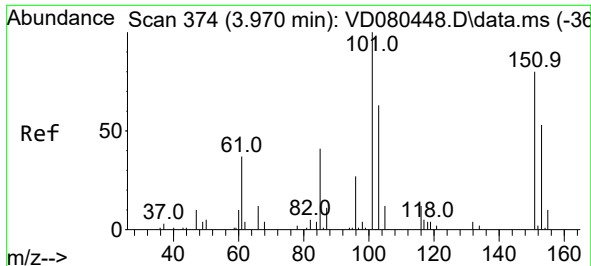
Tgt Ion: 64 Resp: 49328
Ion Ratio Lower Upper
64 100
66 34.1 23.9 44.3



#9
Trichlorofluoromethane
Concen: 22.92 ug/L
RT: 3.176 min Scan# 239
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion:101 Resp: 106886
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.4

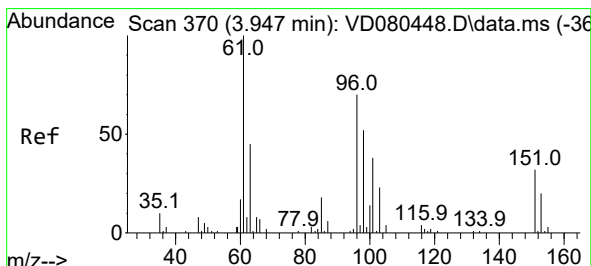
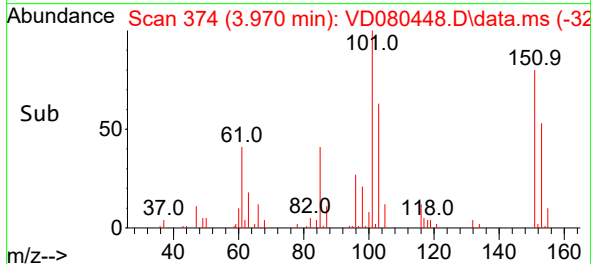
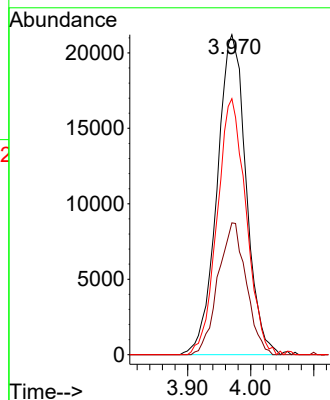
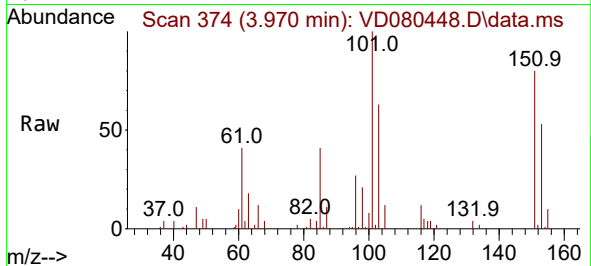




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.12 ug/L
 RT: 3.970 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VD080448.D
 Acq: 18 Jun 2025 10:28

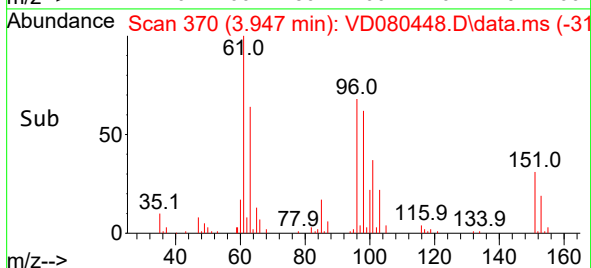
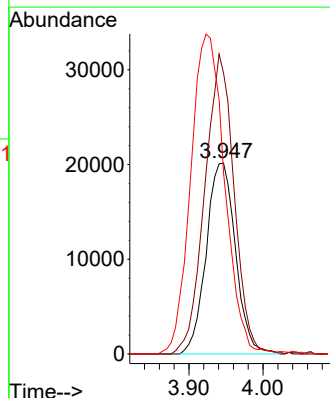
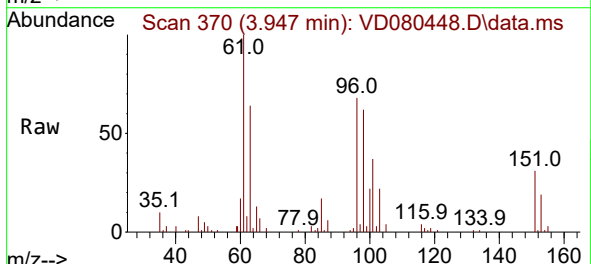
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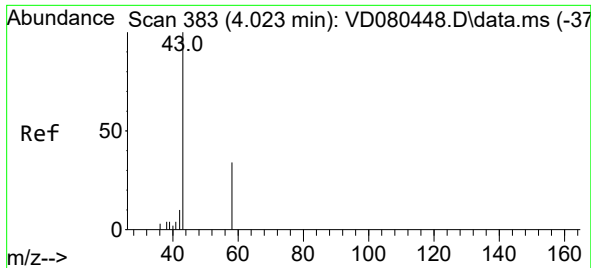
Tgt Ion:101 Resp: 67568
 Ion Ratio Lower Upper
 101 100
 85 40.0 32.0 48.0
 151 79.6 63.7 95.5



#12
 1,1-Dichloroethene
 Concen: 22.04 ug/L
 RT: 3.947 min Scan# 370
 Delta R.T. 0.000 min
 Lab File: VD080448.D
 Acq: 18 Jun 2025 10:28

Tgt Ion: 96 Resp: 55322
 Ion Ratio Lower Upper
 96 100
 61 147.2 103.0 191.4
 63 94.8 66.4 123.2





#13

Acetone

Concen: 42.23 ug/L

RT: 4.023 min Scan# 383

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

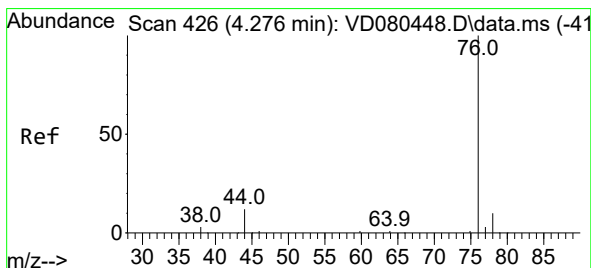
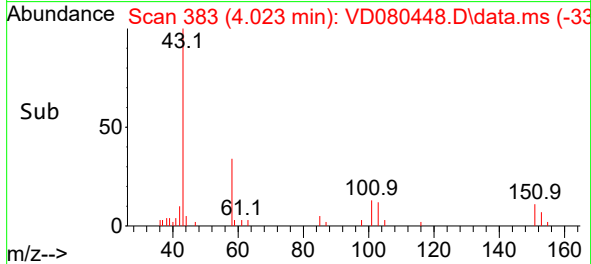
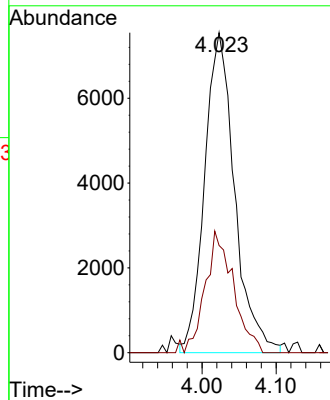
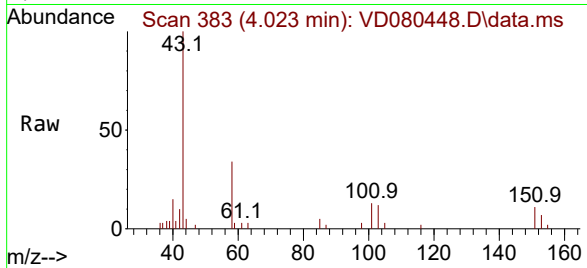
VSTD025884

Tgt Ion: 43 Resp: 21173

Ion Ratio Lower Upper

43 100

58 35.5 0.0 71.0



#14

Carbon disulfide

Concen: 21.84 ug/L

RT: 4.276 min Scan# 426

Delta R.T. 0.000 min

Lab File: VD080448.D

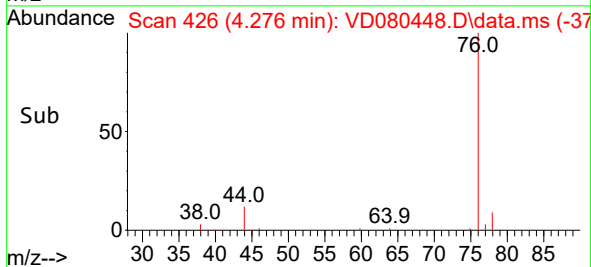
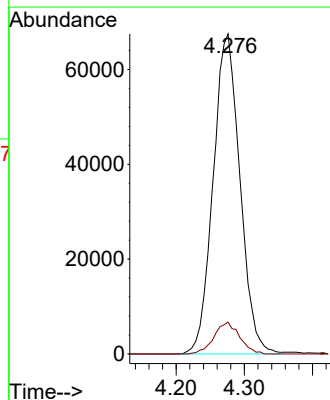
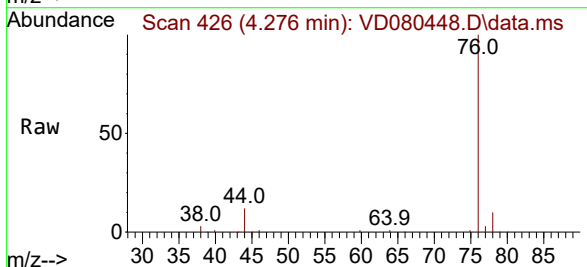
Acq: 18 Jun 2025 10:28

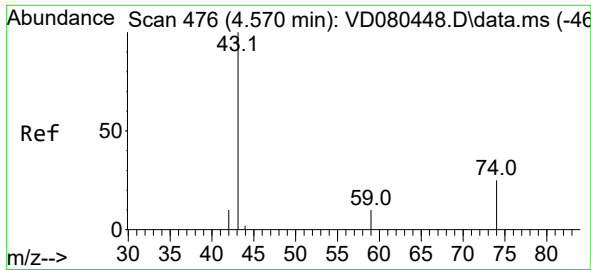
Tgt Ion: 76 Resp: 184592

Ion Ratio Lower Upper

76 100

78 9.9 7.9 11.9

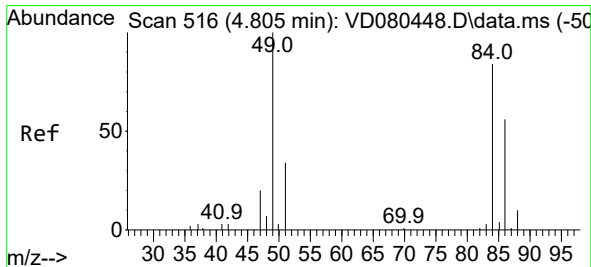
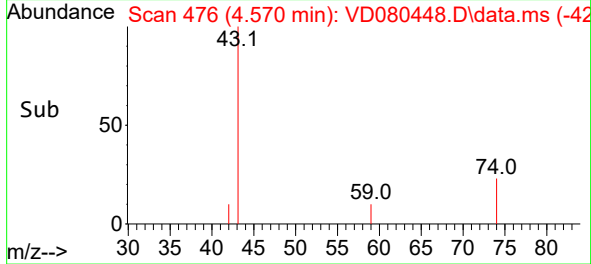
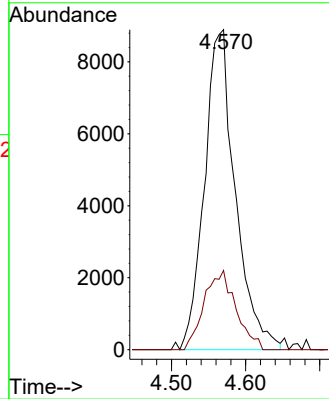
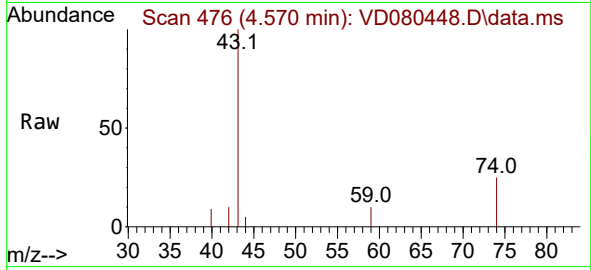




#15
Methyl Acetate
Concen: 21.20 ug/L
RT: 4.570 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

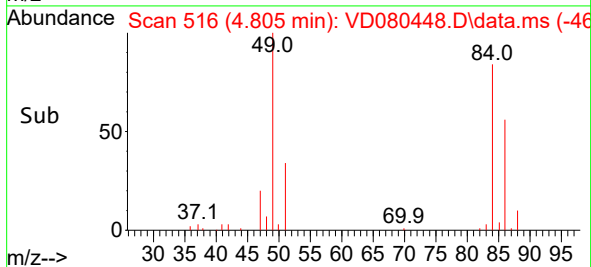
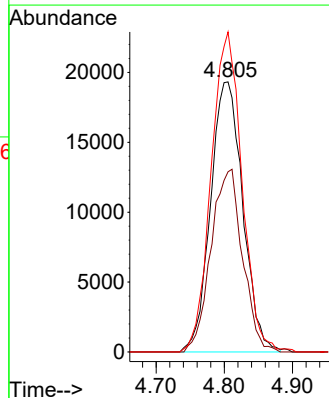
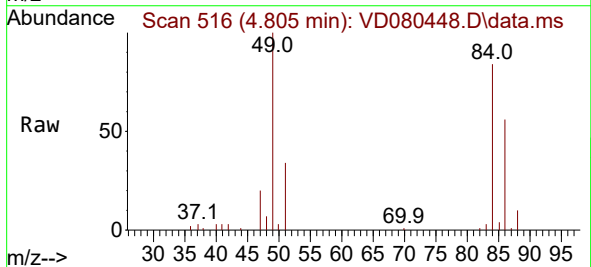
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

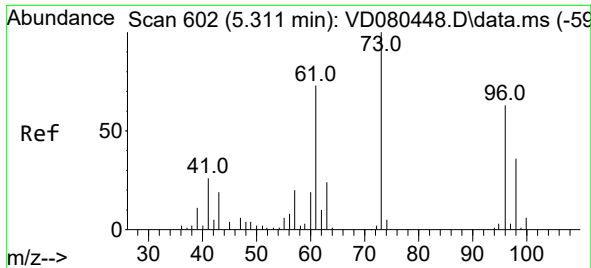
Tgt Ion: 43 Resp: 25690
Ion Ratio Lower Upper
43 100
74 25.4 20.3 30.5



#16
Methylene chloride
Concen: 15.54 ug/L
RT: 4.805 min Scan# 516
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion: 84 Resp: 63555
Ion Ratio Lower Upper
84 100
86 66.7 46.7 86.7
49 118.5 83.0 154.1





#17

trans-1,2-Dichloroethene

Concen: 21.65 ug/L

RT: 5.311 min Scan# 602

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD025884

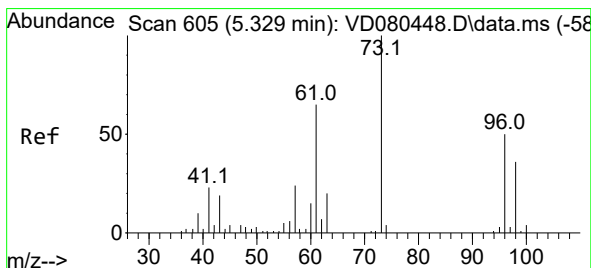
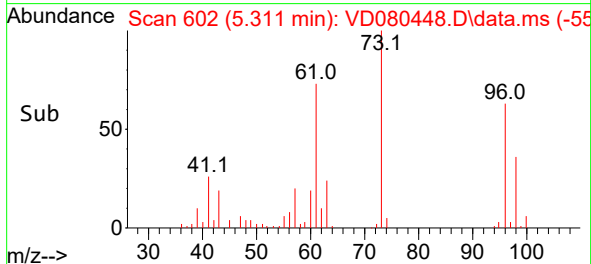
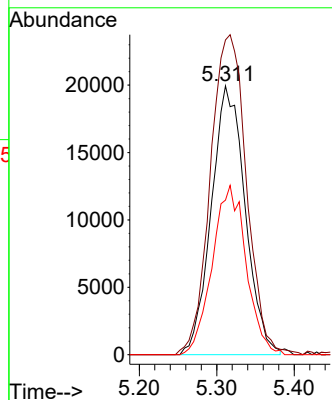
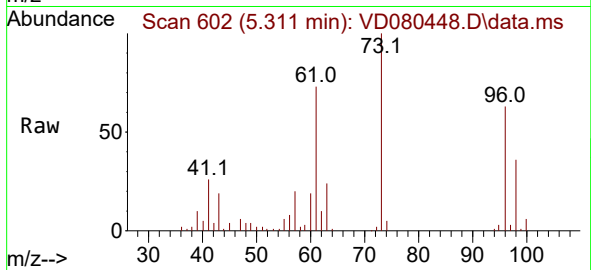
Tgt Ion: 96 Resp: 60463

Ion Ratio Lower Upper

96 100

61 117.1 82.0 152.2

98 57.5 40.3 74.8



#18

Methyl tert-butyl Ether

Concen: 10.68 ug/L

RT: 5.311 min Scan# 602

Delta R.T. -0.018 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

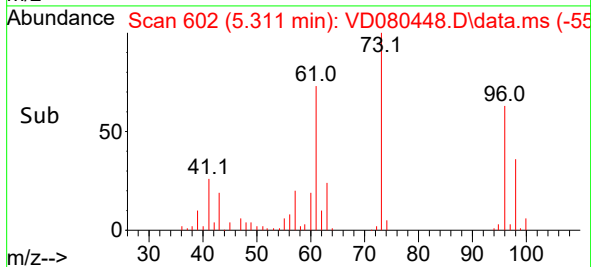
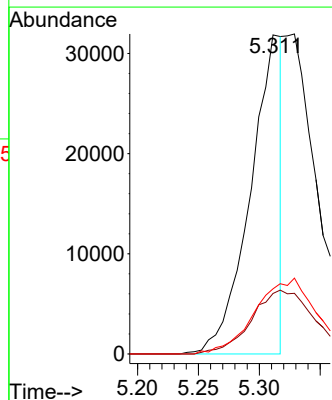
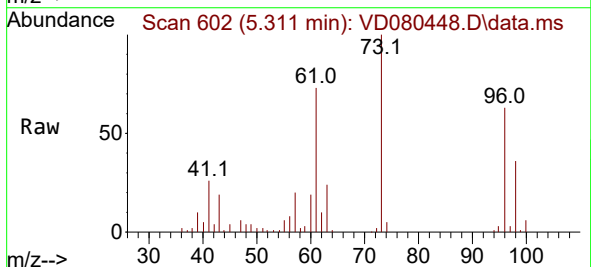
Tgt Ion: 73 Resp: 57970

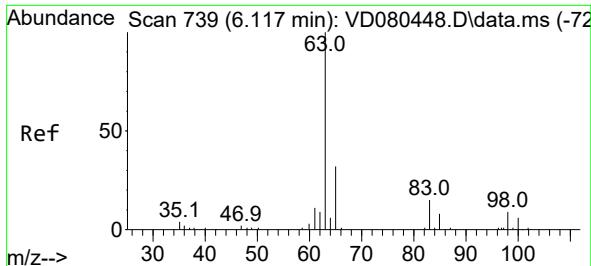
Ion Ratio Lower Upper

73 100

43 40.4 15.8 23.8#

57 44.9 17.6 26.4#





#19

1,1-Dichloroethane

Concen: 21.81 ug/L

RT: 6.117 min Scan# 739

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD025884

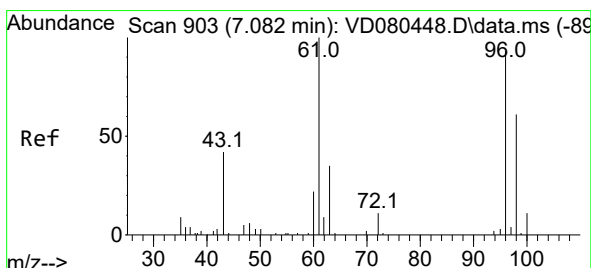
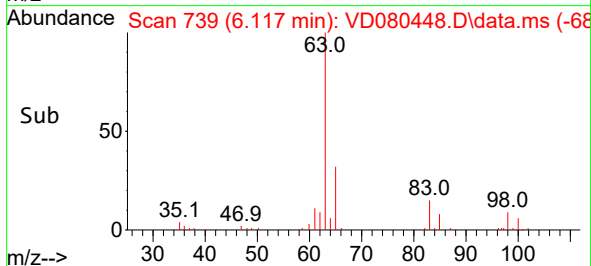
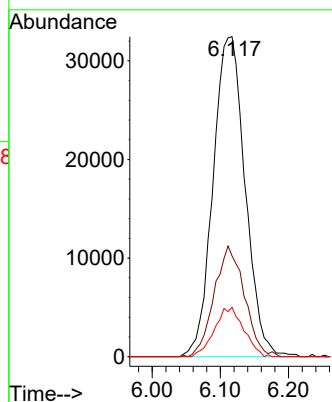
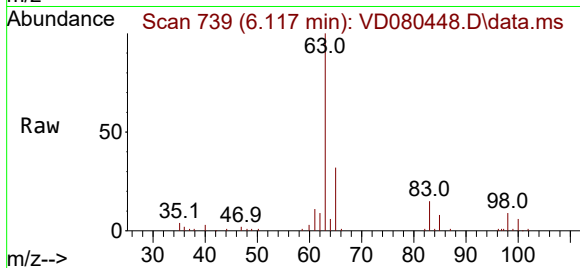
Tgt Ion: 63 Resp: 105867

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 15.4 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 21.77 ug/L

RT: 7.082 min Scan# 903

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

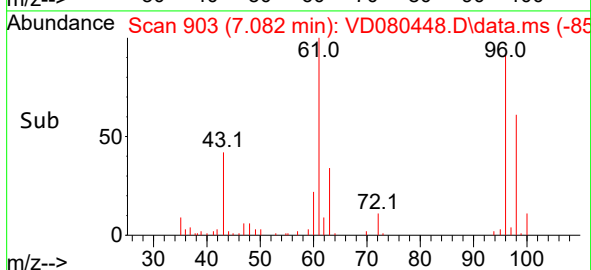
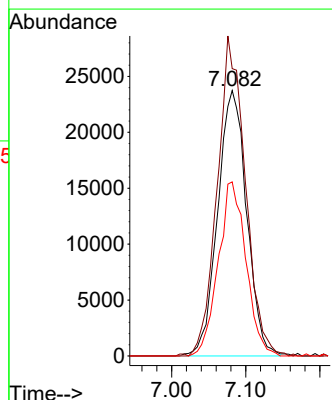
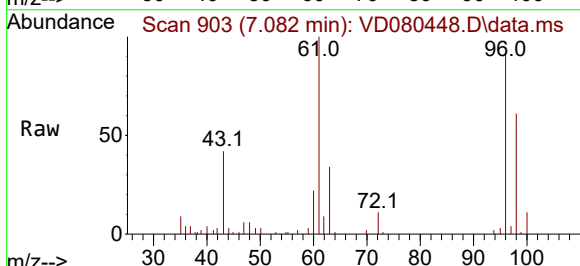
Tgt Ion: 96 Resp: 64498

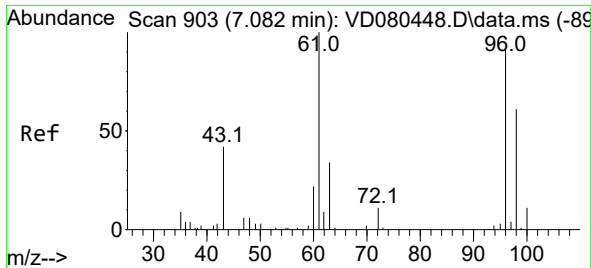
Ion Ratio Lower Upper

96 100

61 108.3 75.8 140.8

98 65.6 45.9 85.3

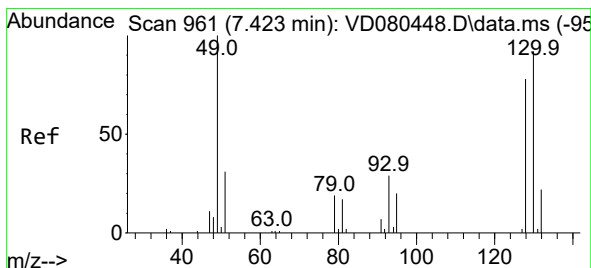
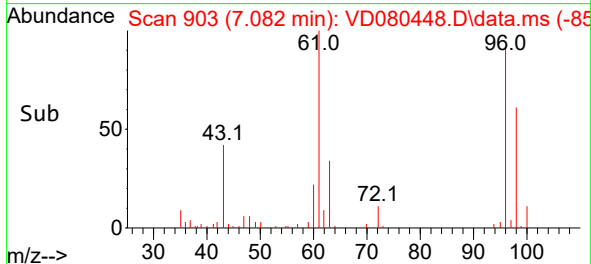
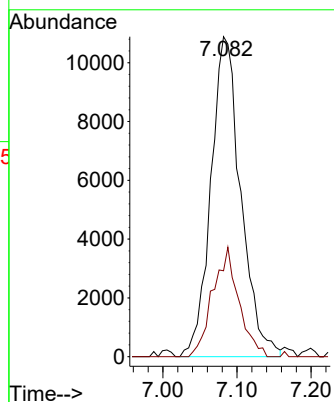
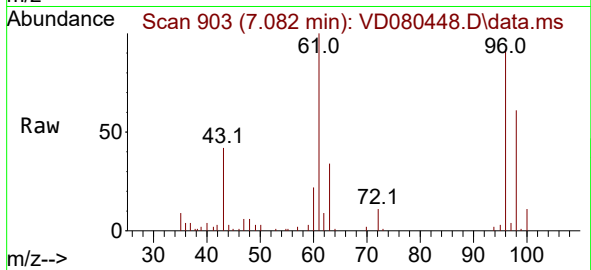




#22
2-Butanone
Concen: 44.60 ug/L
RT: 7.082 min Scan# 903
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

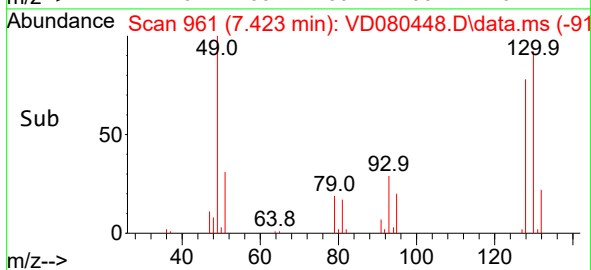
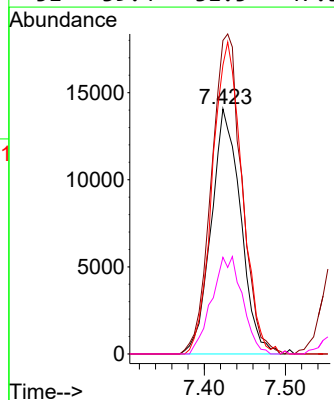
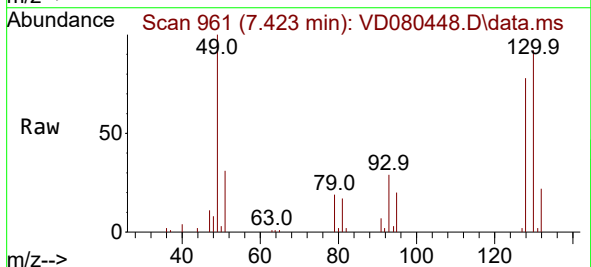
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

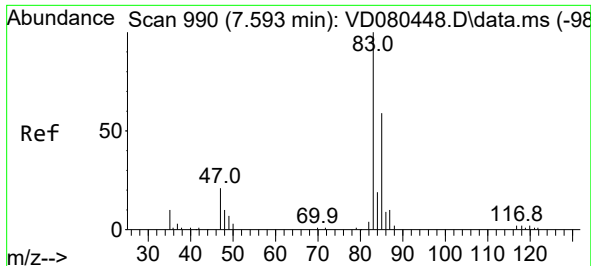
Tgt Ion: 43 Resp: 30534
Ion Ratio Lower Upper
43 100
72 29.7 14.9 44.5



#23
Bromochloromethane
Concen: 23.03 ug/L
RT: 7.423 min Scan# 961
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion: 128 Resp: 35331
Ion Ratio Lower Upper
128 100
49 127.9 89.5 166.3
130 117.8 82.5 153.1
51 39.4 31.5 47.3

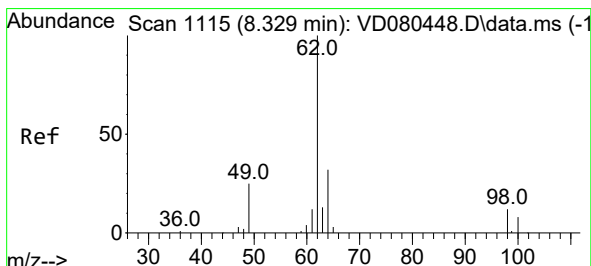
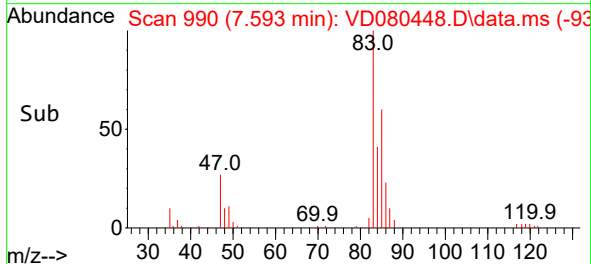
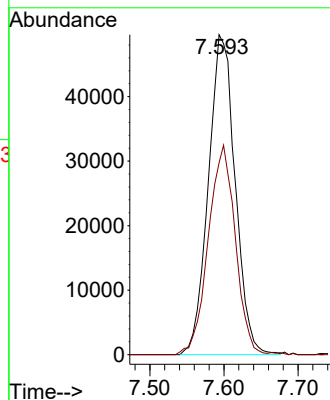
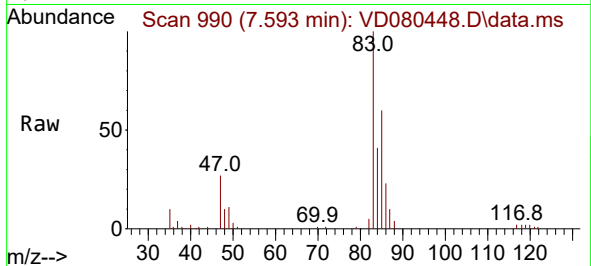




#25
Chloroform
Concen: 22.90 ug/L
RT: 7.593 min Scan# 990
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

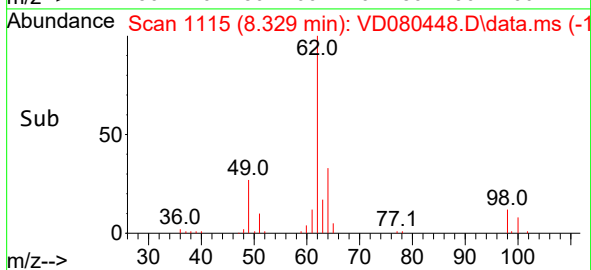
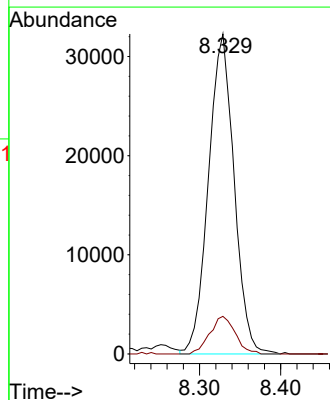
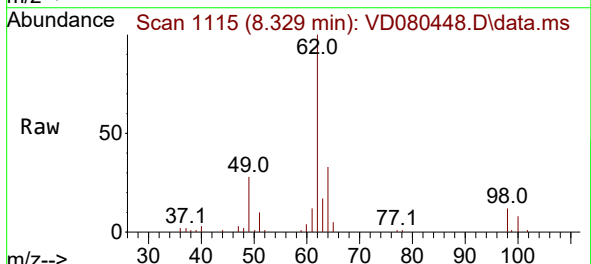
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

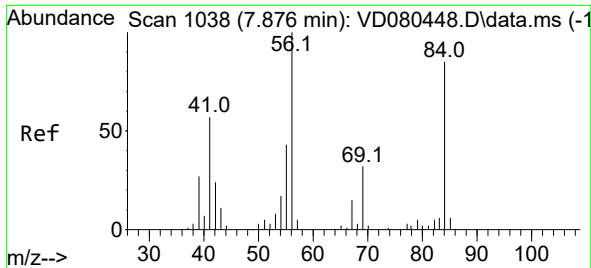
Tgt Ion: 83 Resp: 124465
Ion Ratio Lower Upper
83 100
85 60.0 42.0 78.0



#27
1,2-Dichloroethane
Concen: 22.83 ug/L
RT: 8.329 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion: 62 Resp: 70847
Ion Ratio Lower Upper
62 100
98 11.8 9.4 14.2

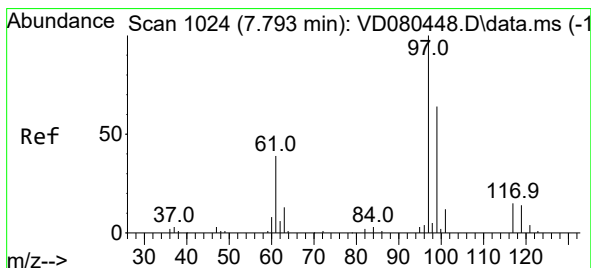
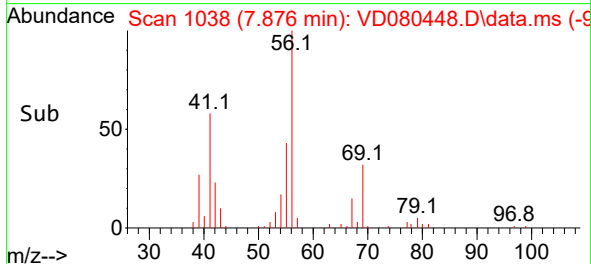
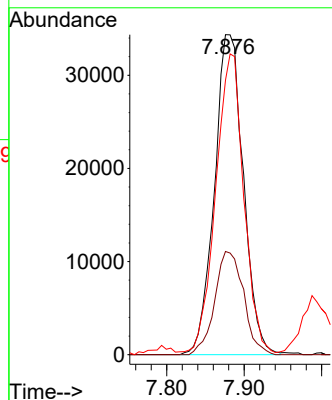
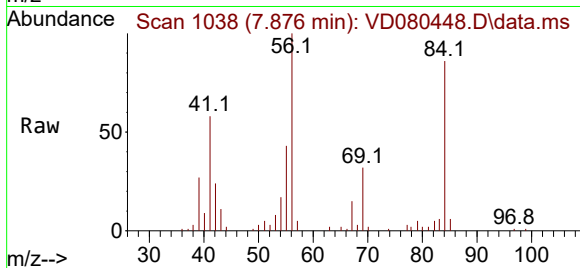




#29
Cyclohexane
Concen: 22.57 ug/L
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

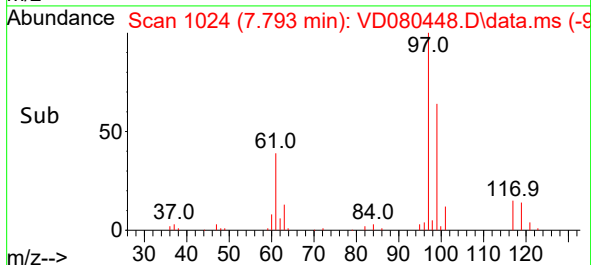
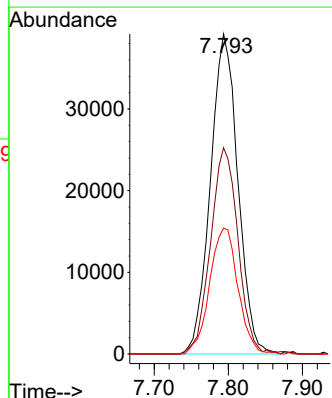
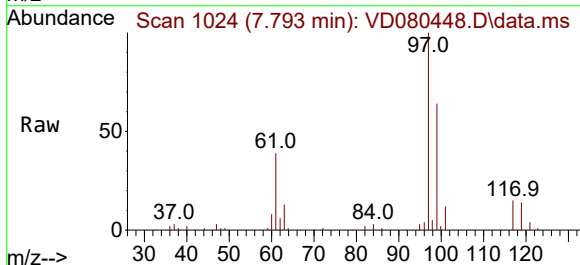
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

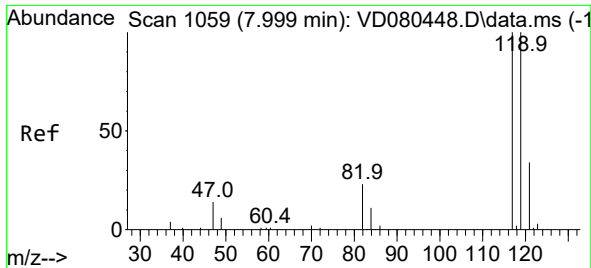
Tgt Ion: 56 Resp: 89418
Ion Ratio Lower Upper
56 100
69 32.1 25.7 38.5
84 91.7 73.4 110.0



#30
1,1,1-Trichloroethane
Concen: 22.24 ug/L
RT: 7.793 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion: 97 Resp: 100870
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 40.5 32.4 48.6

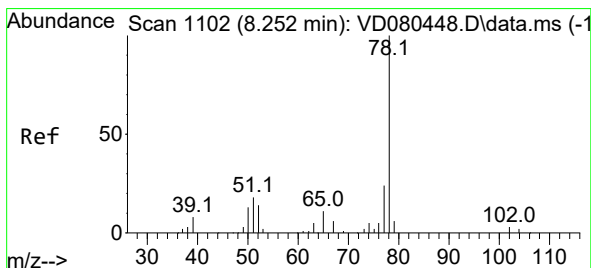
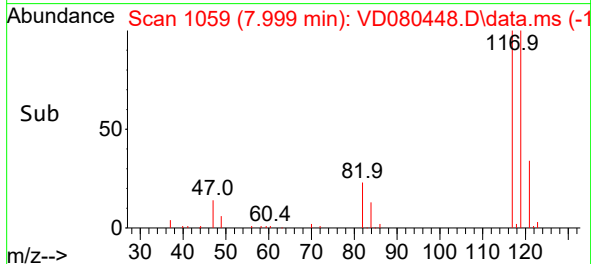
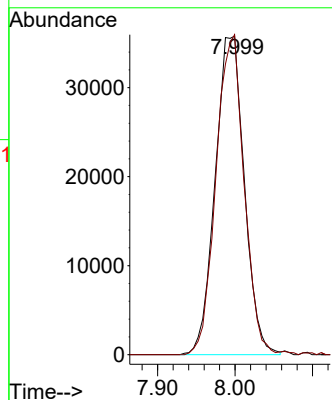
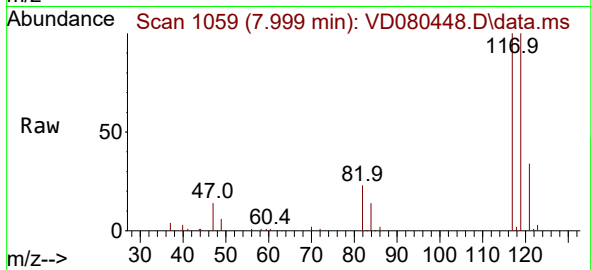




#31
Carbon tetrachloride
Concen: 22.14 ug/L
RT: 7.999 min Scan# 1059
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

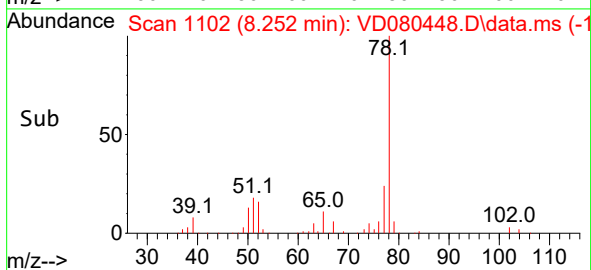
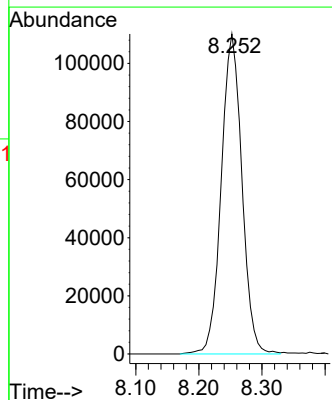
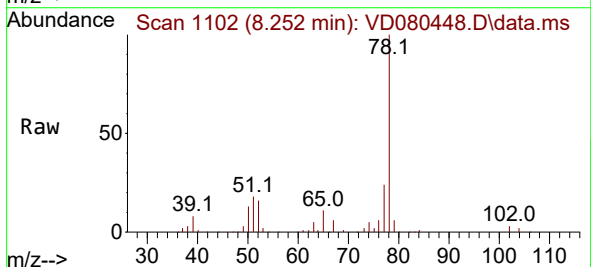
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

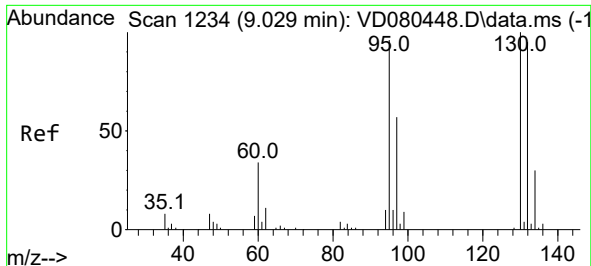
Tgt Ion:117 Resp: 93700
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8



#33
Benzene
Concen: 22.64 ug/L
RT: 8.252 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion: 78 Resp: 250517

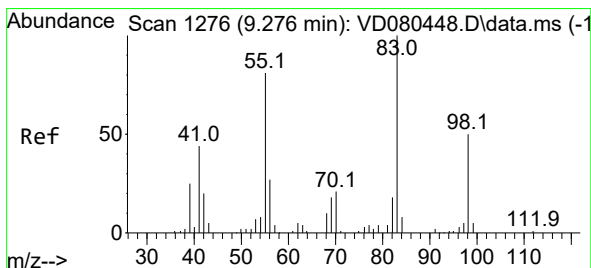
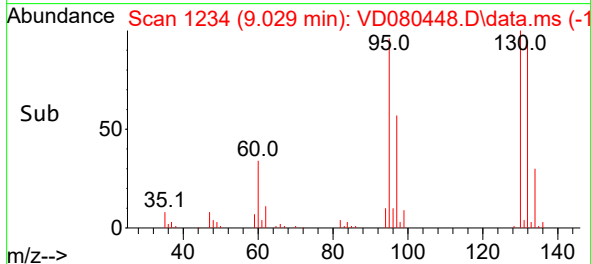
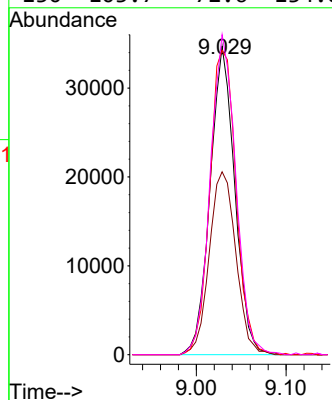
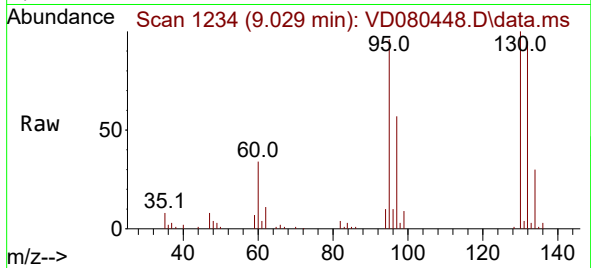




#34
Trichloroethene
Concen: 21.49 ug/L
RT: 9.029 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

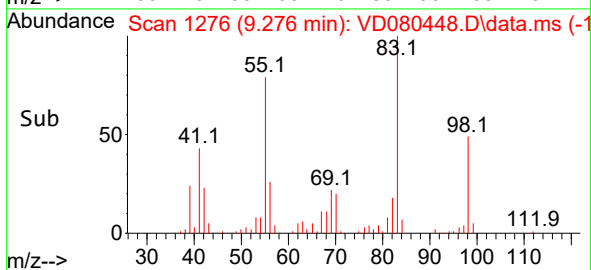
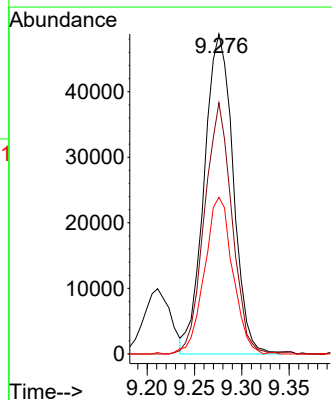
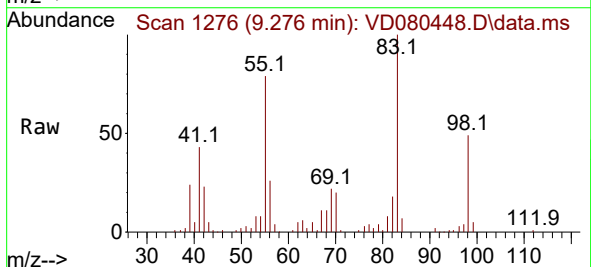
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

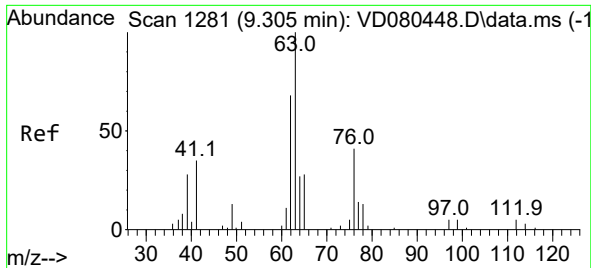
Tgt Ion: 95 Resp: 66481
Ion Ratio Lower Upper
95 100
97 59.3 41.5 77.1
132 98.7 69.1 128.3
130 103.7 72.6 134.8



#35
Methylcyclohexane
Concen: 22.77 ug/L
RT: 9.276 min Scan# 1276
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion: 83 Resp: 103633
Ion Ratio Lower Upper
83 100
55 74.6 59.7 89.5
98 47.7 38.2 57.2





#37

1,2-Dichloropropane

Concen: 22.35 ug/L

RT: 9.305 min Scan# 1281

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

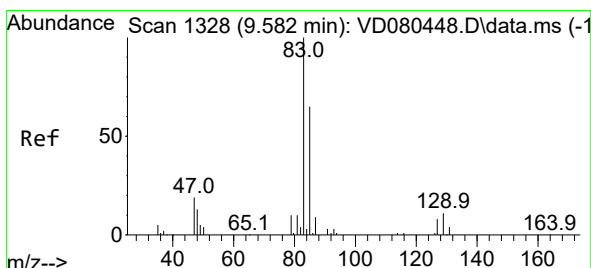
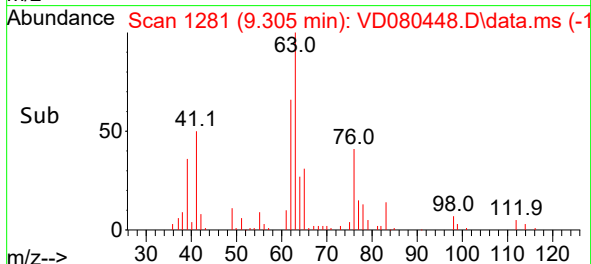
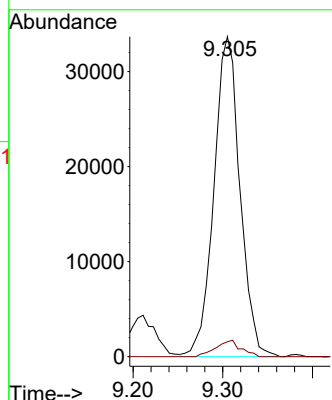
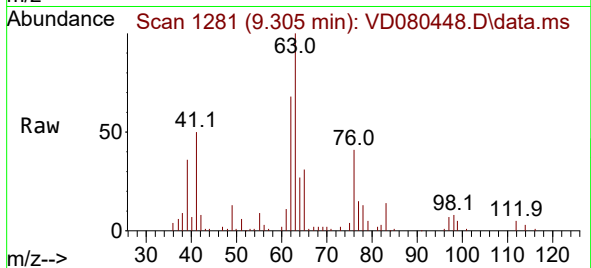
VSTD025884

Tgt Ion: 63 Resp: 67919

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 21.63 ug/L

RT: 9.582 min Scan# 1328

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

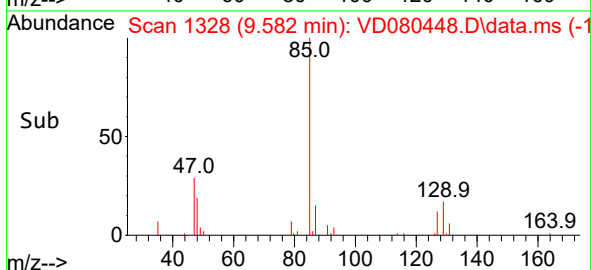
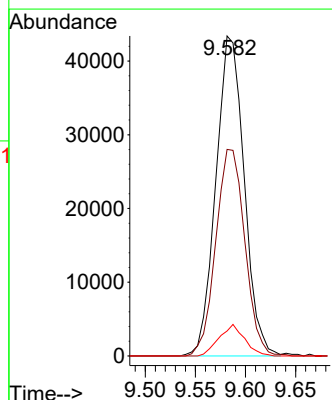
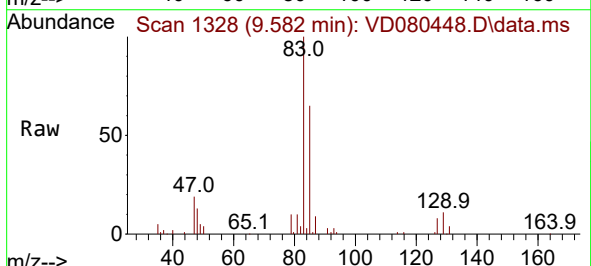
Tgt Ion: 83 Resp: 85167

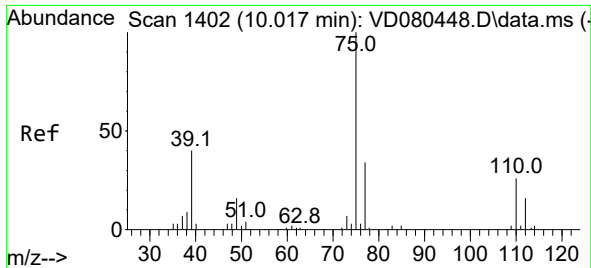
Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

127 7.8 6.2 9.4

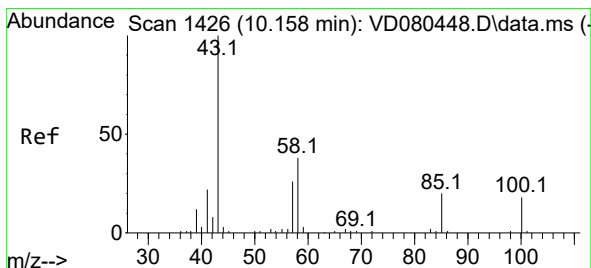
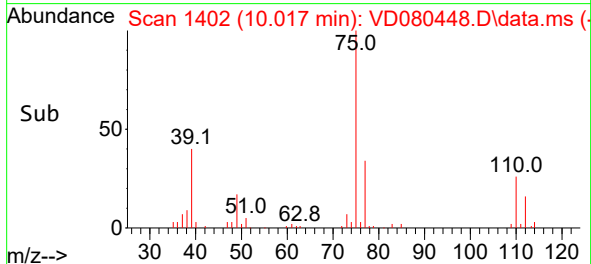
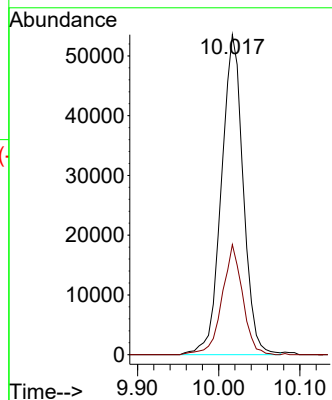
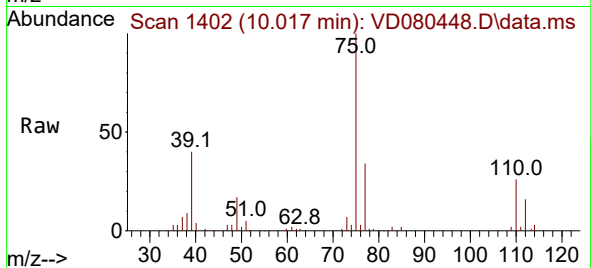




#39
cis-1,3-Dichloropropene
Concen: 22.15 ug/L
RT: 10.017 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

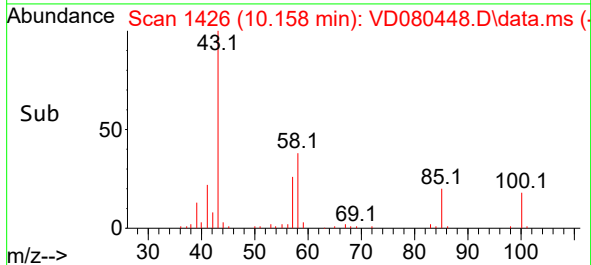
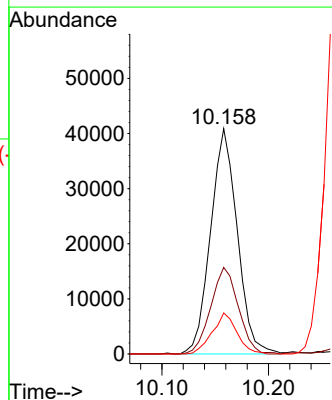
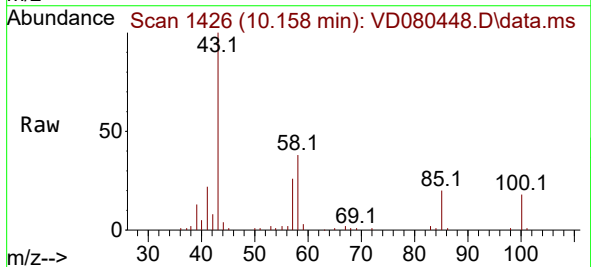
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

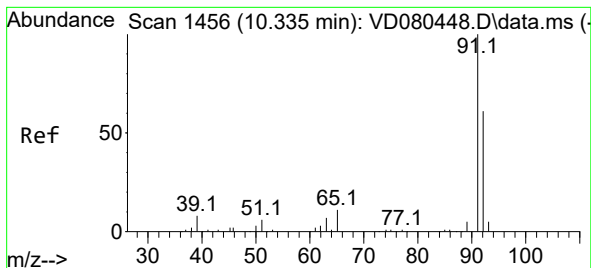
Tgt Ion: 75 Resp: 99942
Ion Ratio Lower Upper
75 100
77 34.4 24.1 44.7



#40
4-Methyl-2-pentanone
Concen: 46.47 ug/L
RT: 10.158 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion: 43 Resp: 71213
Ion Ratio Lower Upper
43 100
58 39.6 31.7 47.5
100 16.7 13.4 20.0





#42

Toluene

Concen: 23.19 ug/L

RT: 10.335 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

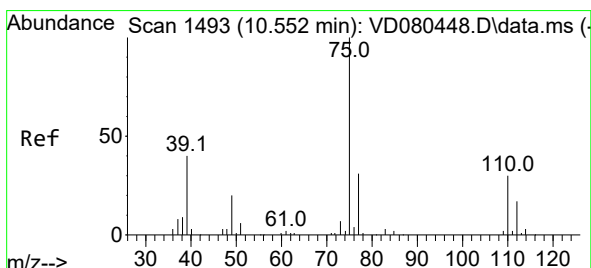
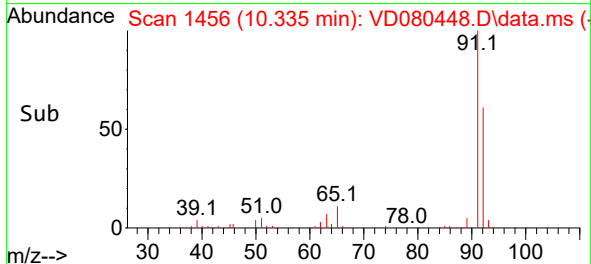
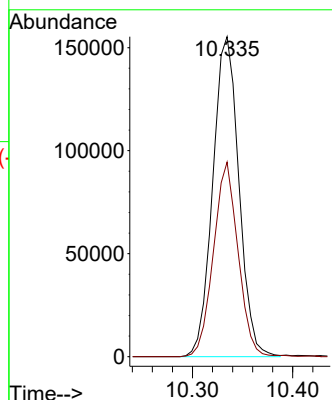
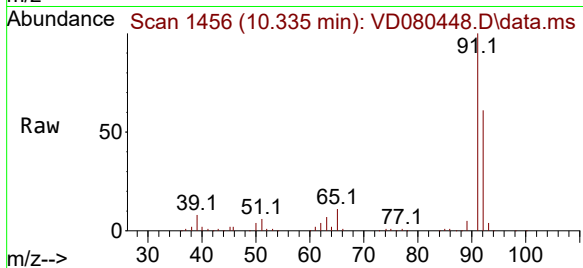
VSTD025884

Tgt Ion: 91 Resp: 280925

Ion Ratio Lower Upper

91 100

92 60.8 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 22.71 ug/L

RT: 10.552 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VD080448.D

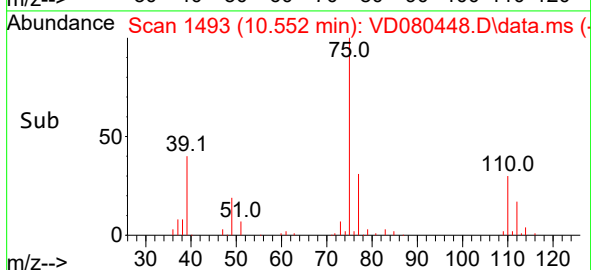
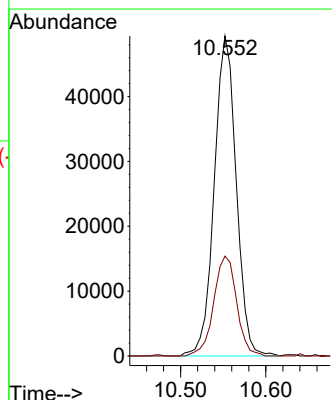
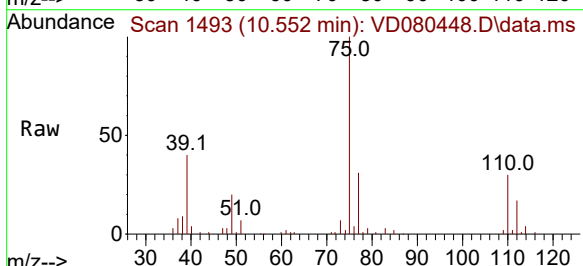
Acq: 18 Jun 2025 10:28

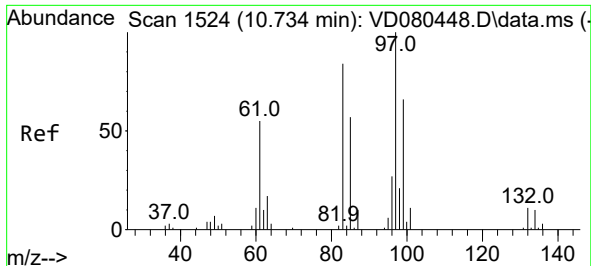
Tgt Ion: 75 Resp: 88392

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6

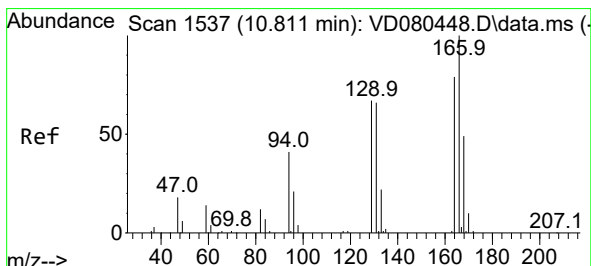
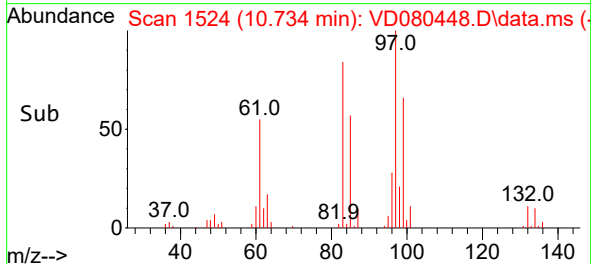
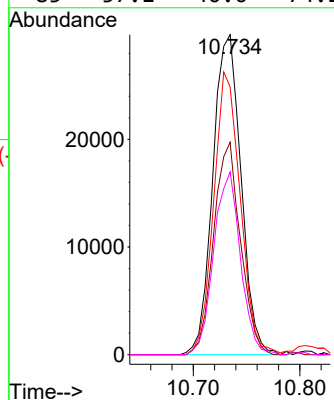
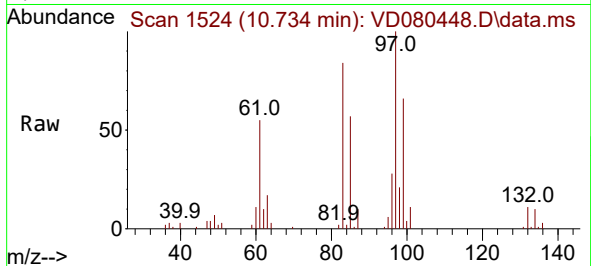




#45
1,1,2-Trichloroethane
Concen: 22.00 ug/L
RT: 10.734 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

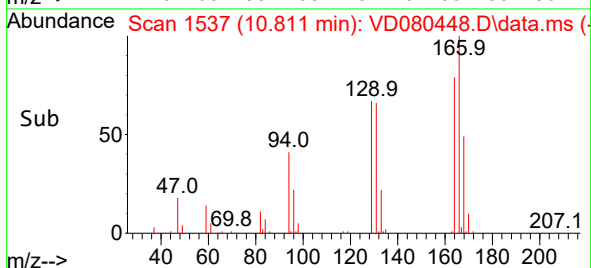
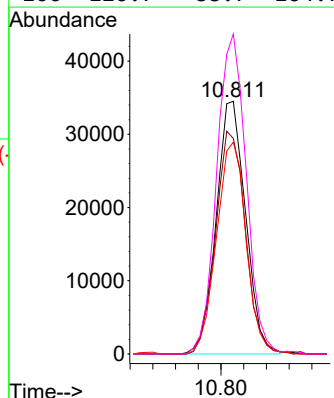
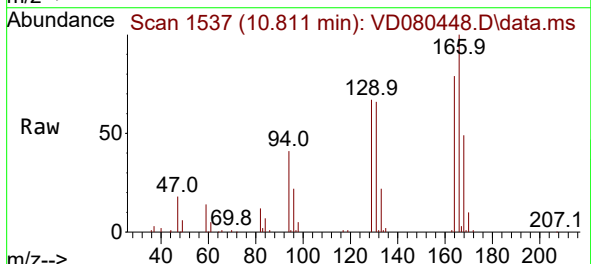
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

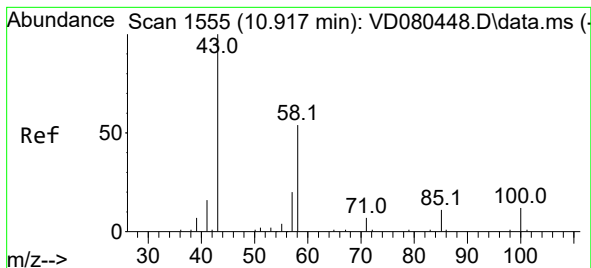
Tgt Ion: 97	Resp: 54566
Ion Ratio	Lower Upper
97 100	
99 66.4	46.5 86.3
83 83.6	58.5 108.7
85 57.1	40.0 74.2



#46
Tetrachloroethene
Concen: 22.90 ug/L
RT: 10.811 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt	Ion:164	Resp:	62071
Ion	Ratio	Lower	Upper
164	100		
129	85.3	59.7	110.9
131	83.9	58.7	109.1
166	126.7	88.7	164.7





#48

2-Hexanone

Concen: 46.94 ug/L

RT: 10.917 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD025884

Tgt Ion: 43 Resp: 52629

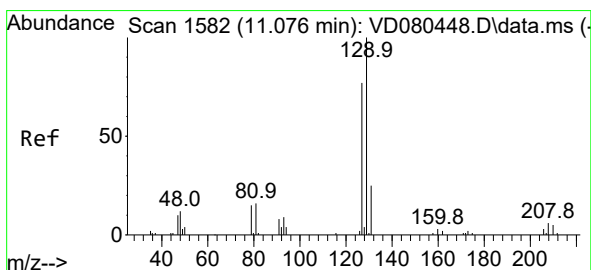
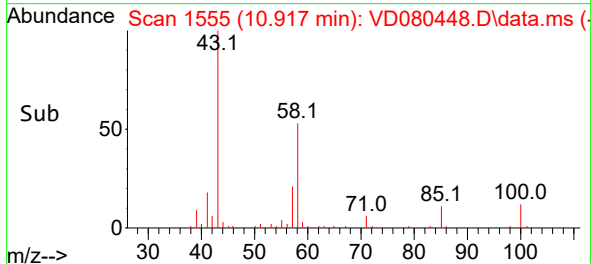
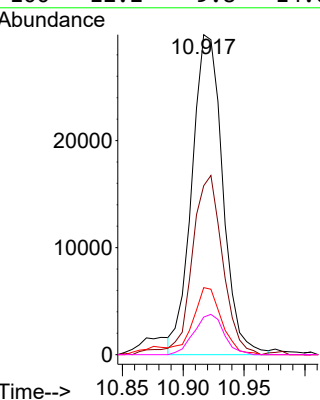
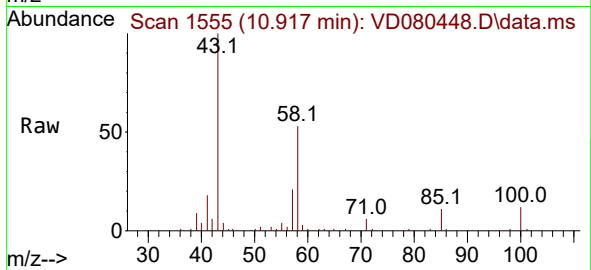
Ion Ratio Lower Upper

43 100

58 54.7 43.8 65.6

57 19.5 15.6 23.4

100 12.2 9.8 14.6



#49

Dibromochloromethane

Concen: 22.82 ug/L

RT: 11.076 min Scan# 1582

Delta R.T. 0.000 min

Lab File: VD080448.D

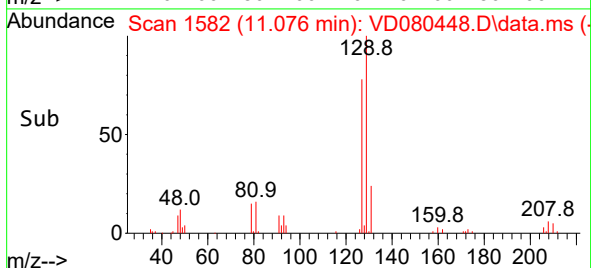
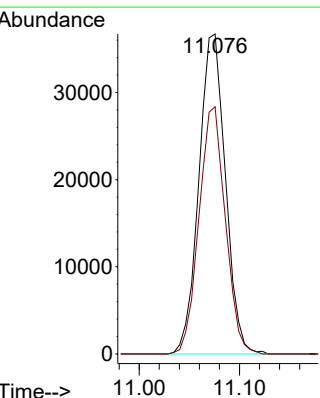
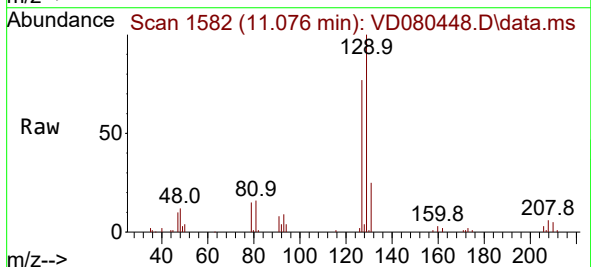
Acq: 18 Jun 2025 10:28

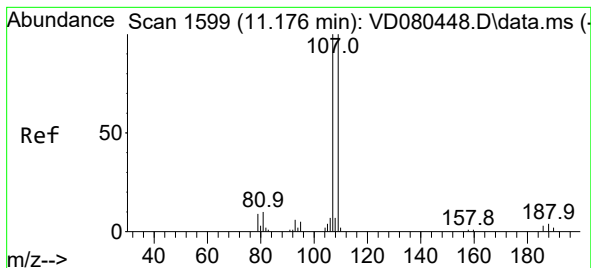
Tgt Ion:129 Resp: 67459

Ion Ratio Lower Upper

129 100

127 77.3 54.1 100.5





#50

1,2-Dibromoethane

Concen: 22.54 ug/L

RT: 11.176 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD025884

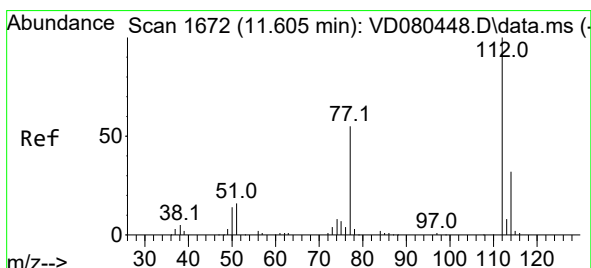
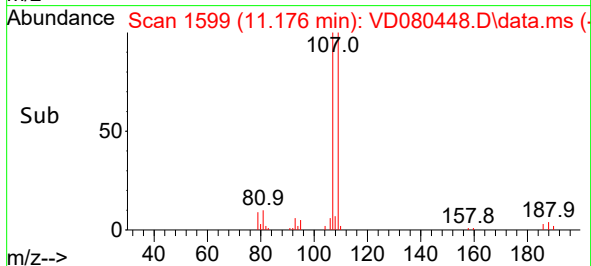
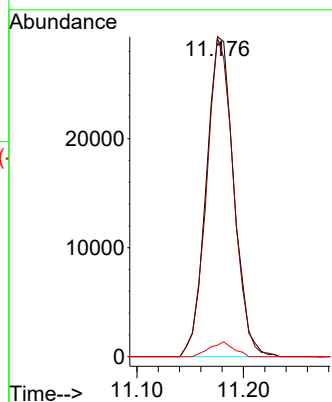
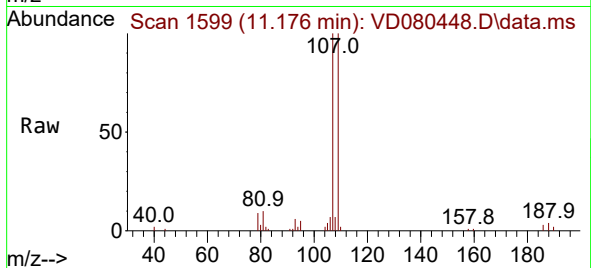
Tgt Ion:107 Resp: 52799

Ion Ratio Lower Upper

107 100

109 99.7 69.8 129.6

188 3.6 2.9 4.3



#51

Chlorobenzene

Concen: 22.08 ug/L

RT: 11.605 min Scan# 1672

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

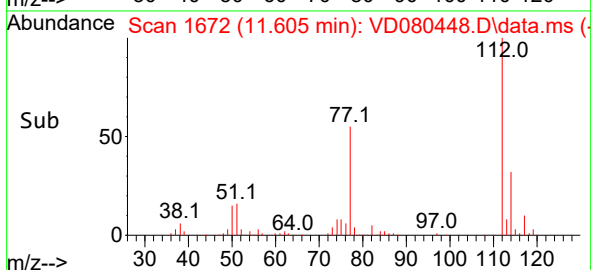
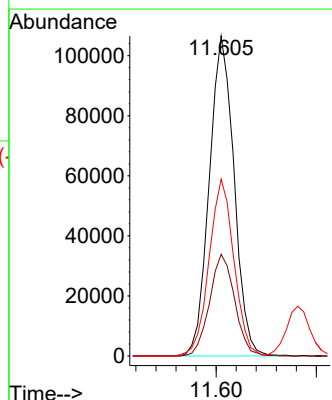
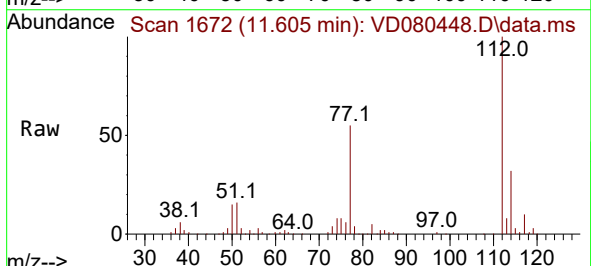
Tgt Ion:112 Resp: 182559

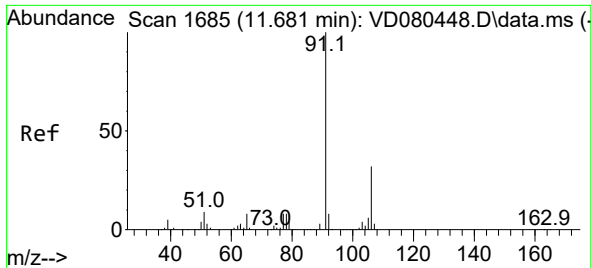
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 55.3 44.2 66.4

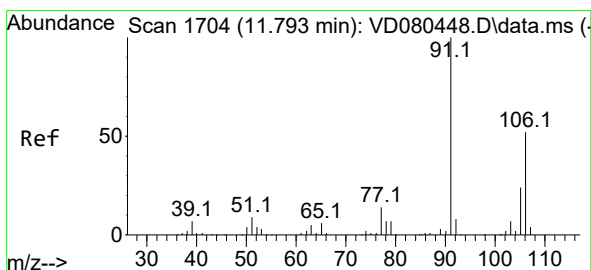
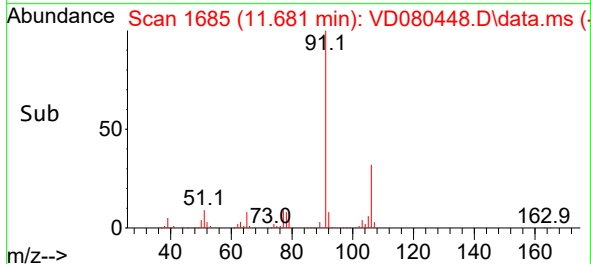
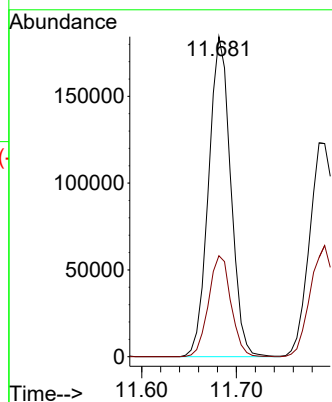
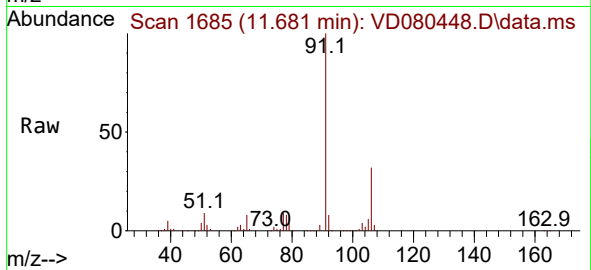




#52
Ethylbenzene
Concen: 22.98 ug/L
RT: 11.681 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

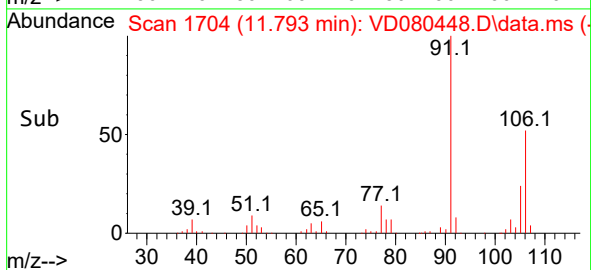
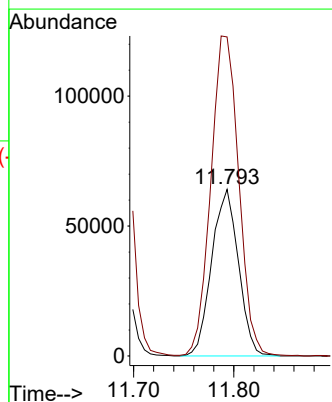
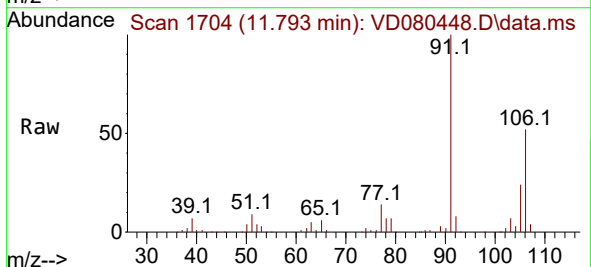
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

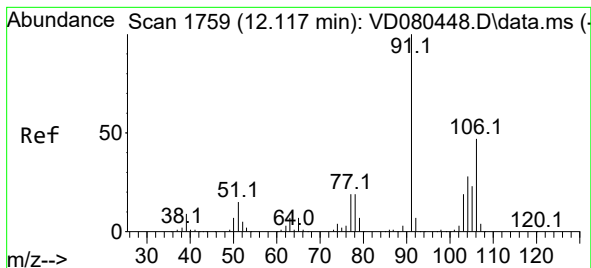
Tgt Ion: 91 Resp: 298688
Ion Ratio Lower Upper
91 100
106 31.6 22.1 41.1



#53
m,p-Xylene
Concen: 23.66 ug/L
RT: 11.793 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion:106 Resp: 118939
Ion Ratio Lower Upper
106 100
91 191.6 134.1 249.1





#54

o-Xylene

Concen: 22.89 ug/L

RT: 12.117 min Scan# 1759

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

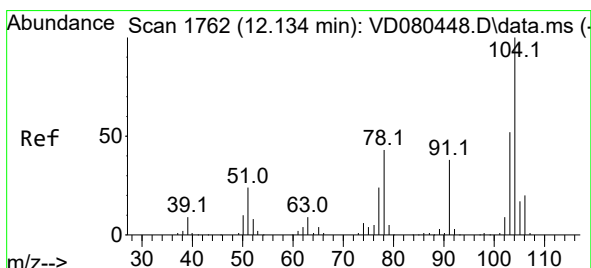
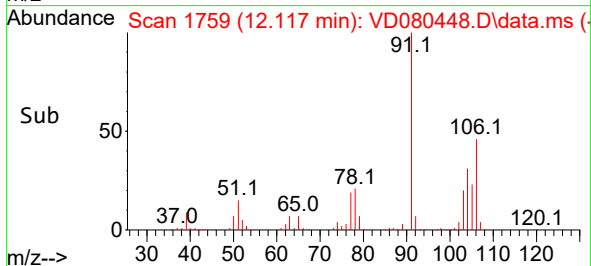
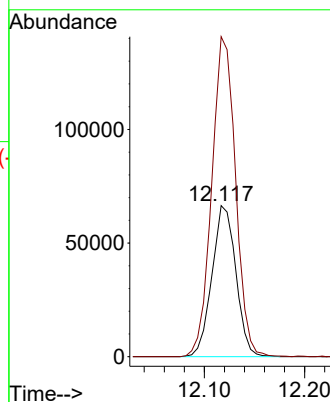
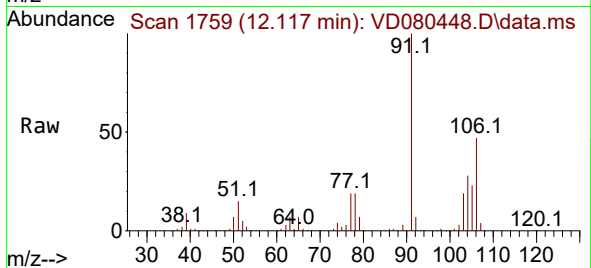
VSTD025884

Tgt Ion:106 Resp: 110123

Ion Ratio Lower Upper

106 100

91 211.8 148.3 275.3



#55

Styrene

Concen: 23.93 ug/L

RT: 12.134 min Scan# 1762

Delta R.T. 0.000 min

Lab File: VD080448.D

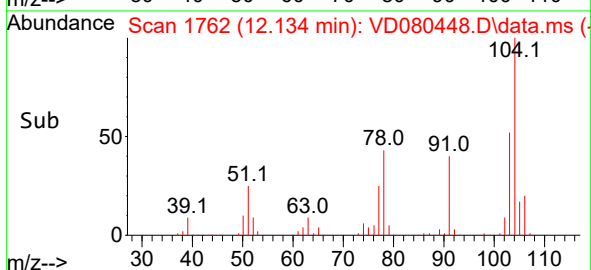
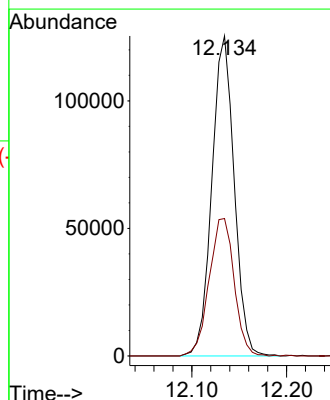
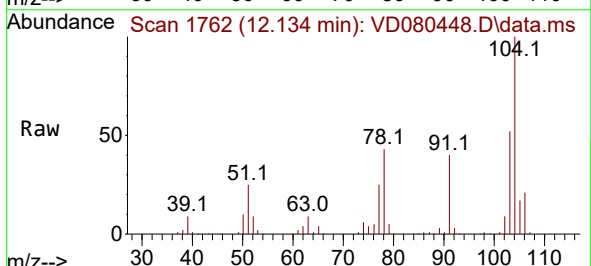
Acq: 18 Jun 2025 10:28

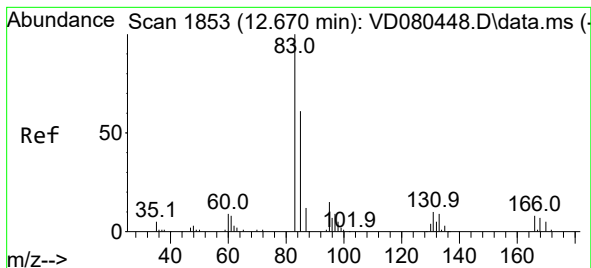
Tgt Ion:104 Resp: 205246

Ion Ratio Lower Upper

104 100

78 42.9 30.0 55.8

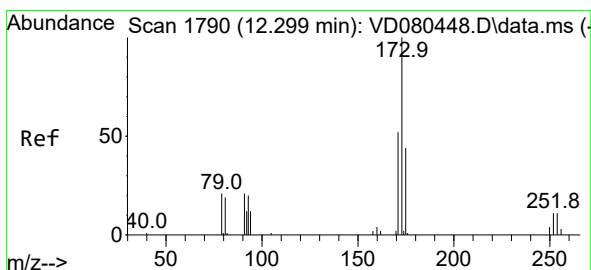
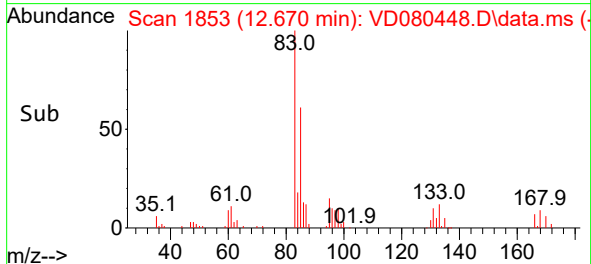
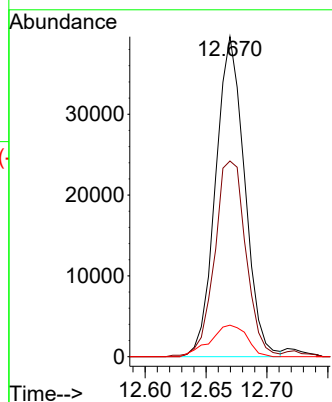
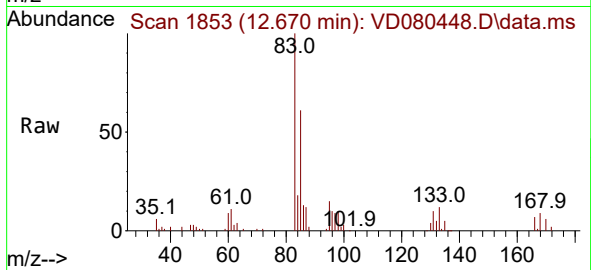




#57
1,1,2,2-Tetrachloroethane
Concen: 22.77 ug/L
RT: 12.670 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

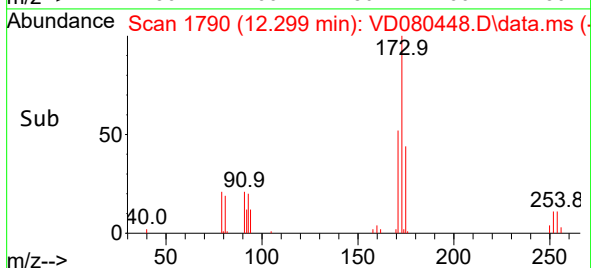
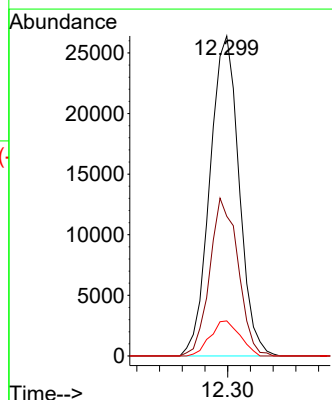
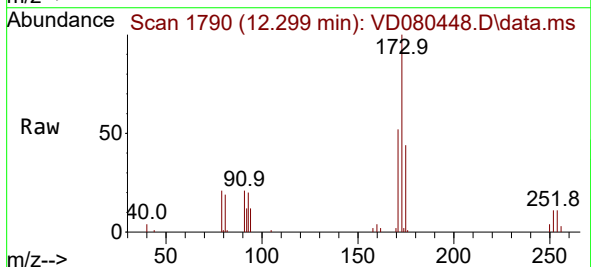
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

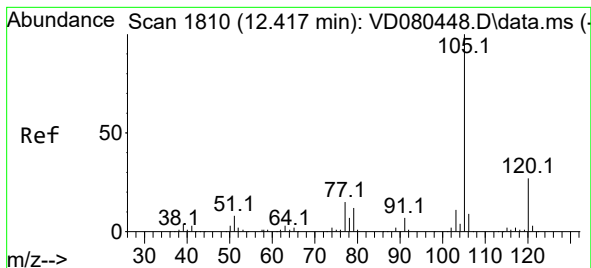
Tgt Ion: 83 Resp: 65551
Ion Ratio Lower Upper
83 100
85 61.2 42.8 79.6
131 9.8 7.8 11.8



#59
Bromoform
Concen: 22.18 ug/L
RT: 12.299 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion: 173 Resp: 47067
Ion Ratio Lower Upper
173 100
175 47.8 38.2 57.4
254 11.2 9.0 13.4





#60

Isopropylbenzene

Concen: 22.17 ug/L

RT: 12.417 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD025884

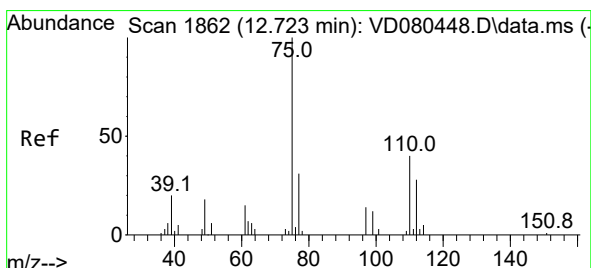
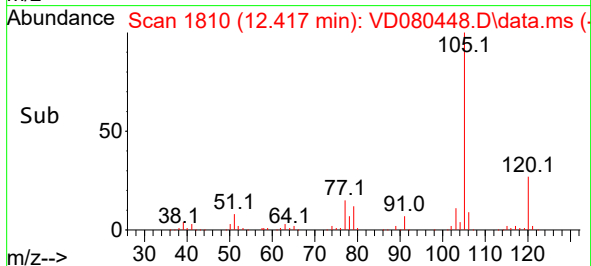
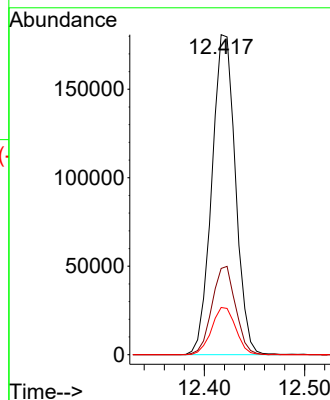
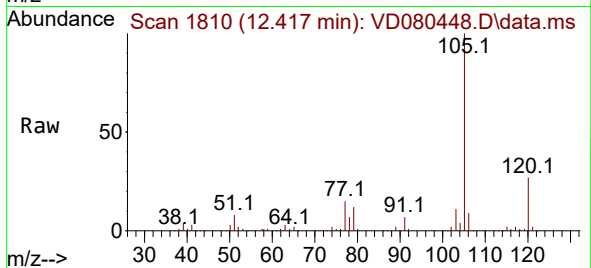
Tgt Ion:105 Resp: 296328

Ion Ratio Lower Upper

105 100

120 27.6 22.1 33.1

77 15.1 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 21.45 ug/L

RT: 12.723 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

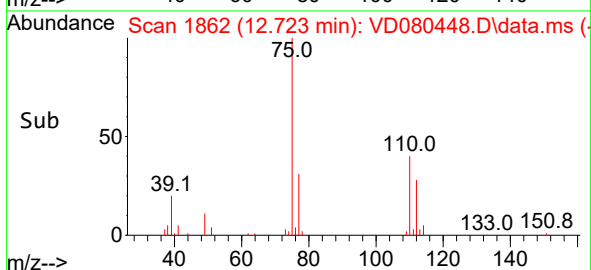
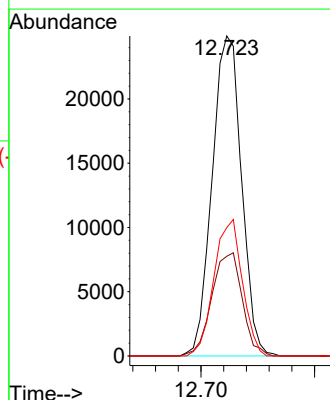
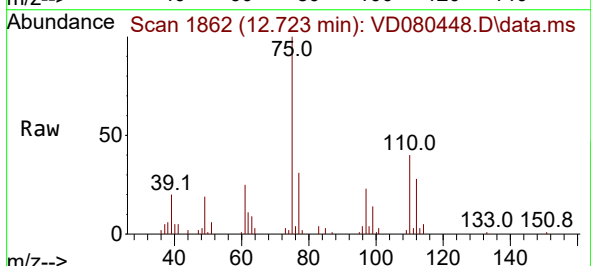
Tgt Ion: 75 Resp: 44718

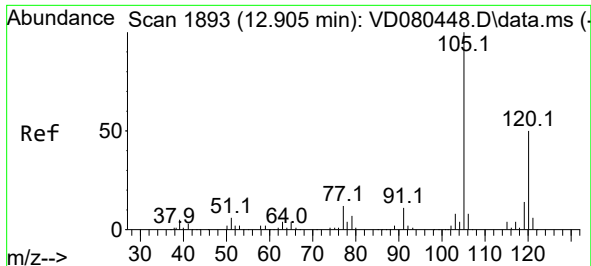
Ion Ratio Lower Upper

75 100

77 33.5 26.8 40.2

110 41.2 33.0 49.4





#62

1,3,5-Trimethylbenzene

Concen: 21.88 ug/L

RT: 12.905 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

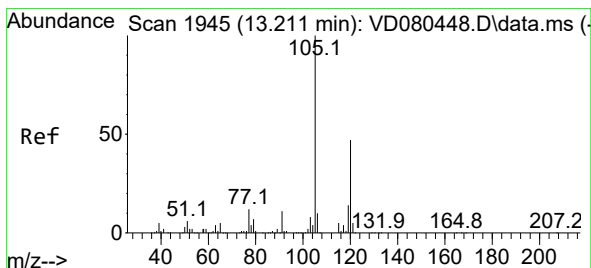
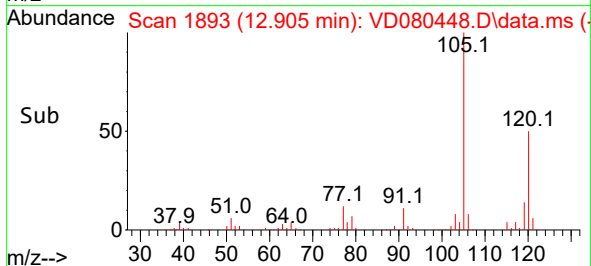
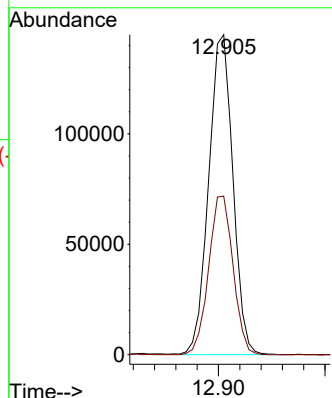
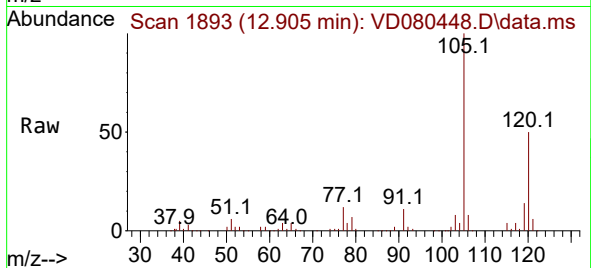
VSTD025884

Tgt Ion:105 Resp: 228226

Ion Ratio Lower Upper

105 100

120 50.1 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 22.20 ug/L

RT: 13.211 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VD080448.D

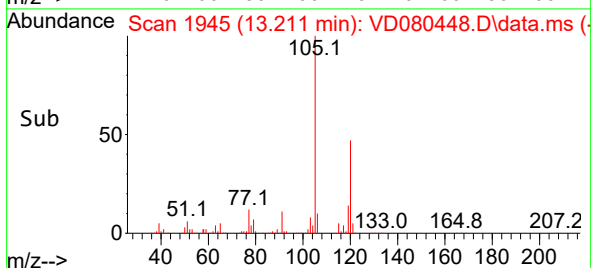
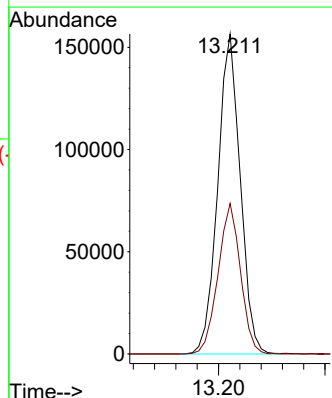
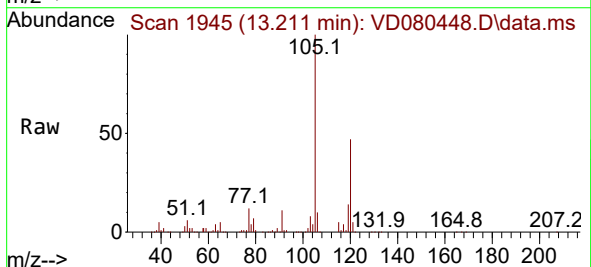
Acq: 18 Jun 2025 10:28

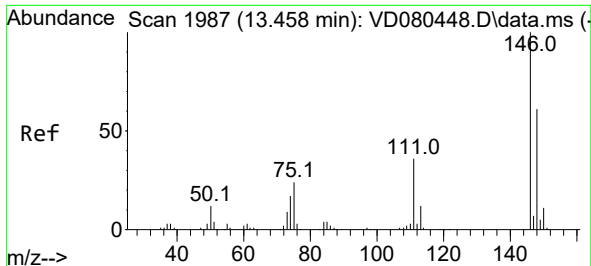
Tgt Ion:105 Resp: 228944

Ion Ratio Lower Upper

105 100

120 46.9 37.5 56.3

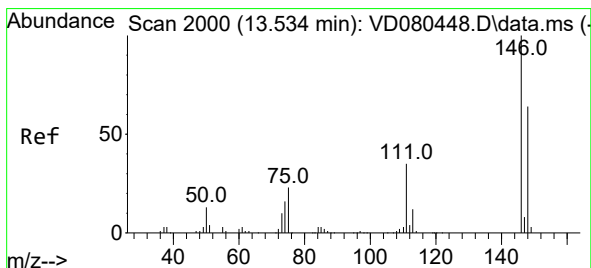
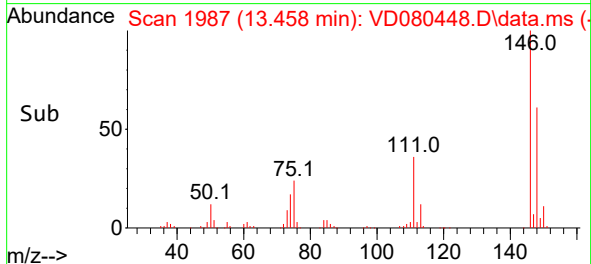
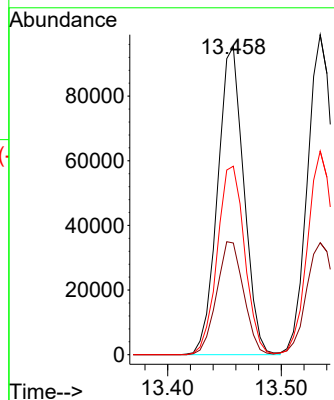
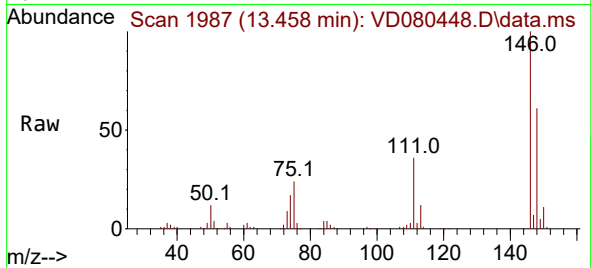




#64
1,3-Dichlorobenzene
Concen: 21.94 ug/L
RT: 13.458 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

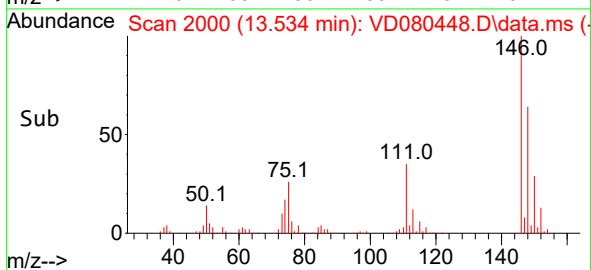
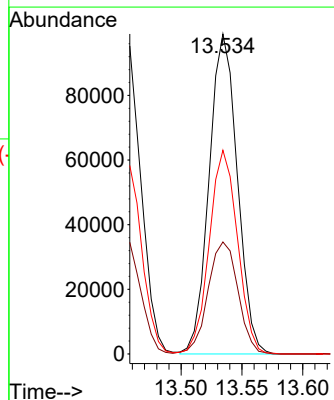
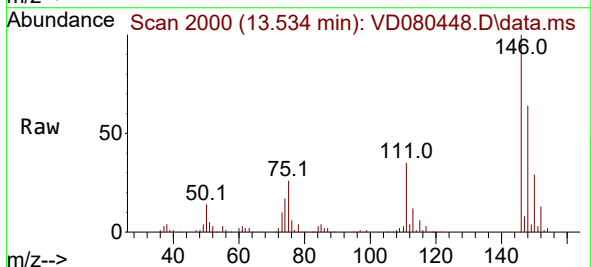
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

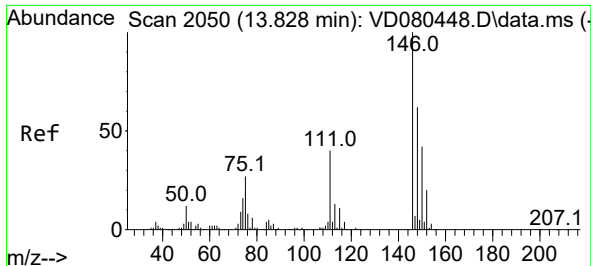
Tgt Ion:146 Resp: 153292
Ion Ratio Lower Upper
146 100
111 36.3 25.4 47.2
148 61.2 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 22.01 ug/L
RT: 13.534 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion:146 Resp: 159716
Ion Ratio Lower Upper
146 100
111 35.0 24.5 45.5
148 63.7 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 21.71 ug/L

RT: 13.828 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD025884

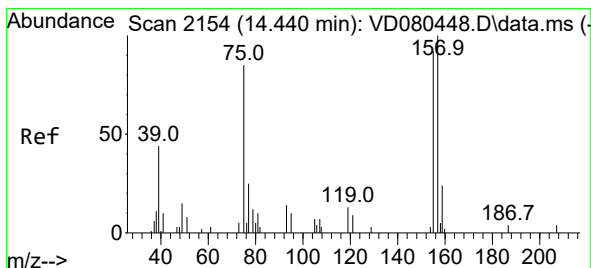
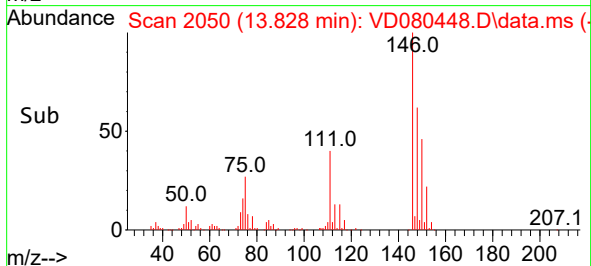
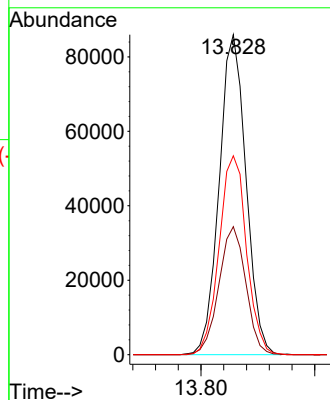
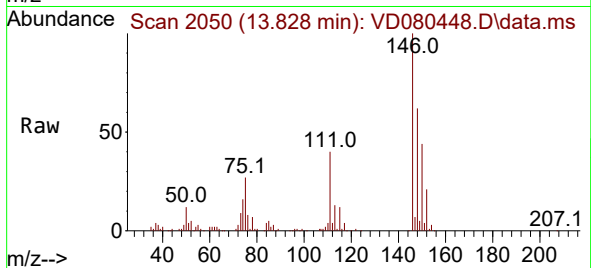
Tgt Ion:146 Resp: 140760

Ion Ratio Lower Upper

146 100

111 40.0 32.0 48.0

148 62.1 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 20.37 ug/L

RT: 14.440 min Scan# 2154

Delta R.T. 0.000 min

Lab File: VD080448.D

Acq: 18 Jun 2025 10:28

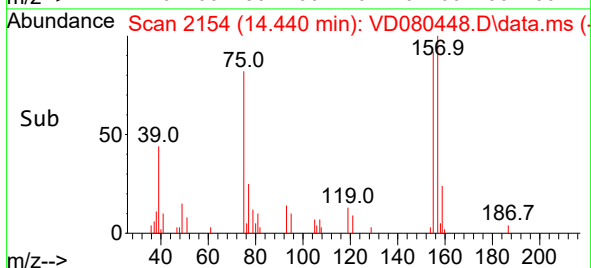
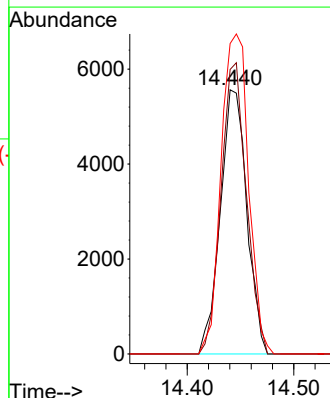
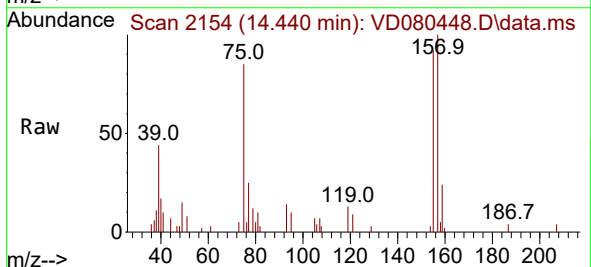
Tgt Ion: 75 Resp: 9616

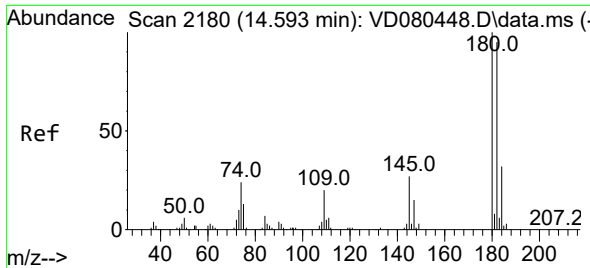
Ion Ratio Lower Upper

75 100

155 107.7 86.2 129.2

157 117.5 94.0 141.0

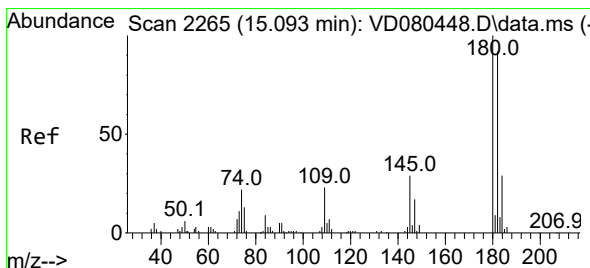
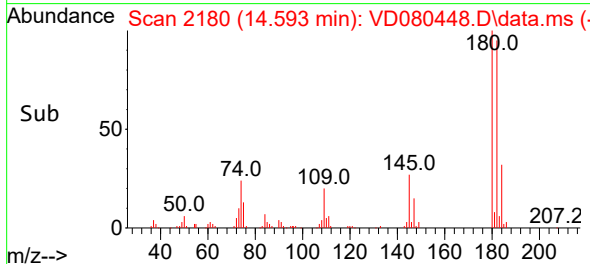
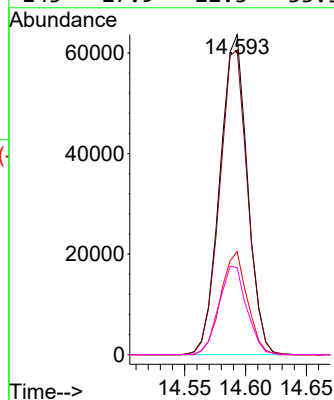
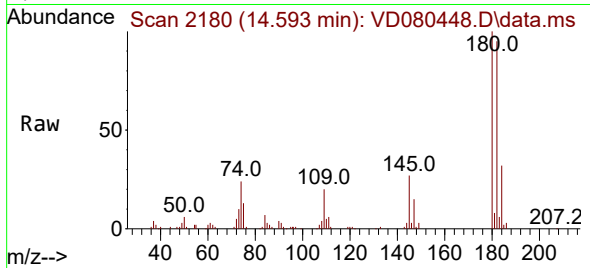




#69
1,3,5-Trichlorobenzene
Concen: 20.93 ug/L
RT: 14.593 min Scan# 2180
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

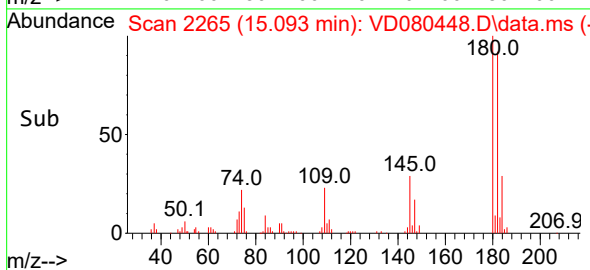
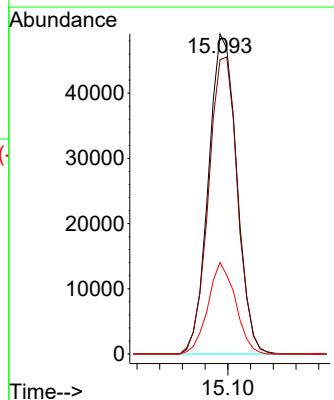
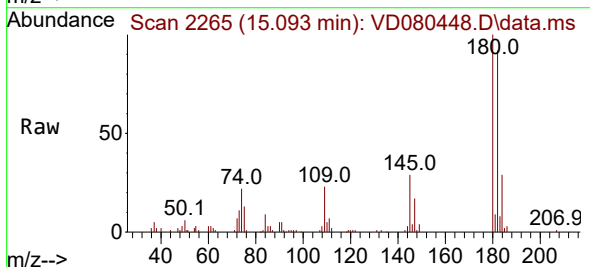
Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

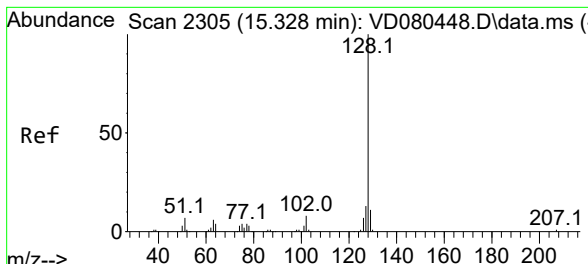
Tgt Ion:180 Resp: 100377
Ion Ratio Lower Upper
180 100
182 96.2 77.0 115.4
184 31.1 24.9 37.3
145 27.9 22.3 33.5



#70
1,2,4-trichlorobenzene
Concen: 21.00 ug/L
RT: 15.093 min Scan# 2265
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion:180 Resp: 84750
Ion Ratio Lower Upper
180 100
182 95.0 76.0 114.0
145 27.8 22.2 33.4

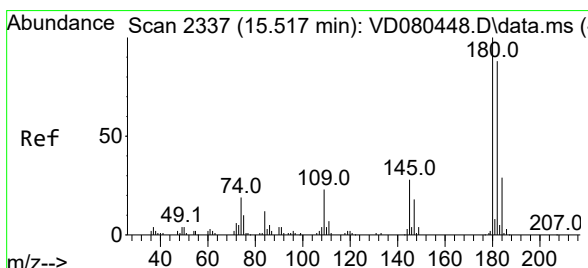
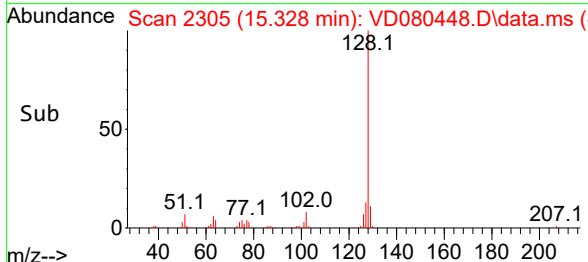
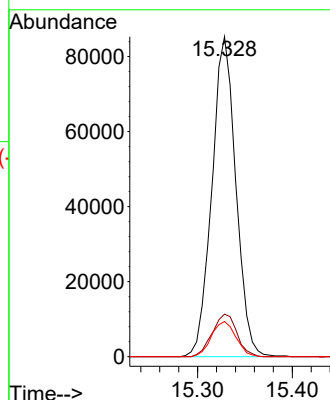
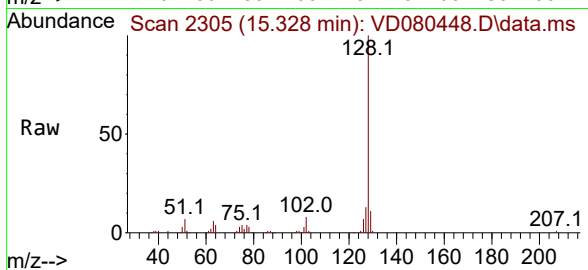




#71
Naphthalene
Concen: 20.90 ug/L
RT: 15.328 min Scan# 2305
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTD025884

Tgt Ion:128 Resp: 149919
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.6
129 11.2 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 21.84 ug/L
RT: 15.517 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD080448.D
Acq: 18 Jun 2025 10:28

Tgt Ion:180 Resp: 81594
Ion Ratio Lower Upper
180 100
182 93.4 74.7 112.1
145 30.3 24.2 36.4

