

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061825\
 Data File : VD080447.D
 Acq On : 18 Jun 2025 10:02
 Operator : RP/MD
 Sample : VSTD005
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005883

Quant Time: Jun 19 08:37:20 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	169662	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	164777	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	87205	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	17525	5.97	ug/L	0.00
7) Chloroethane-d5	2.800	69	14893	5.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.923	65	5462	5.39	ug/L	0.00
21) 2-Butanone-d5	6.988	46	2608	5.05	ug/L	0.00
24) Chloroform-d	7.570	84	26026	5.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.223	65	13380	5.42	ug/L	0.00
32) Benzene-d6	8.199	84	50459	5.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.211	67	16982	5.69	ug/L	0.00
41) Toluene-d8	10.270	98	45475	5.18	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.523	79	6726	5.35	ug/L	0.00
47) 2-Hexanone-d5	10.876	63	4266	9.35	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.652	84	15061	5.65	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.811	152	18092	5.48	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.935	85	14963	5.55	ug/L	94
3) Chloromethane	2.147	50	14418	5.46	ug/L	99
5) Vinyl chloride	2.288	62	17287	5.52	ug/L	89
6) Bromomethane	2.694	94	9630	5.63	ug/L	91
8) Chloroethane	2.841	64	12609	6.00	ug/L	96
9) Trichlorofluoromethane	3.170	101	23991	5.72	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	14452	5.50	ug/L #	91
12) 1,1-Dichloroethene	3.947	96	6279	2.78	ug/L	89
13) Acetone	4.017	43	4141	9.18	ug/L	74
14) Carbon disulfide	4.270	76	38281	5.04	ug/L	96
15) Methyl Acetate	4.564	43	5026	4.61	ug/L #	73
16) Methylene chloride	4.805	84	14128	3.84	ug/L	93
17) trans-1,2-Dichloroethene	5.311	96	11370	4.53	ug/L	92
18) Methyl tert-butyl Ether	5.317	73	20900	4.28	ug/L #	78
19) 1,1-Dichloroethane	6.111	63	22053	5.05	ug/L	95
20) cis-1,2-Dichloroethene	7.070	96	11660	4.38	ug/L	74
22) 2-Butanone	7.082	43	2943	4.78	ug/L	87
23) Bromochloromethane	7.423	128	3955	2.87	ug/L	93
25) Chloroform	7.594	83	25625	5.24	ug/L	99
27) 1,2-Dichloroethane	8.329	62	13413	4.81	ug/L #	91
29) Cyclohexane	7.882	56	15798	4.48	ug/L	99
30) 1,1,1-Trichloroethane	7.788	97	20927	5.19	ug/L	98
31) Carbon tetrachloride	7.994	117	20030	5.32	ug/L	99
33) Benzene	8.252	78	45042	4.58	ug/L	100
34) Trichloroethene	9.029	95	13458	4.89	ug/L	95
35) Methylcyclohexane	9.276	83	17230	4.25	ug/L	91
37) 1,2-Dichloropropane	9.305	63	13390	4.95	ug/L	99
38) Bromodichloromethane	9.588	83	17127	4.89	ug/L	94
39) cis-1,3-Dichloropropene	10.017	75	17055	4.25	ug/L	99
40) 4-Methyl-2-pentanone	10.158	43	11246	8.25	ug/L	96
42) Toluene	10.335	91	46896	4.35	ug/L	89
44) trans-1,3-Dichloropropene	10.546	75	15106	4.36	ug/L	90

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 Quant Title : SFAM01.0
 QLast Update : Thu Jun 19 08:34:52 2025
 Response via : Initial Calibration

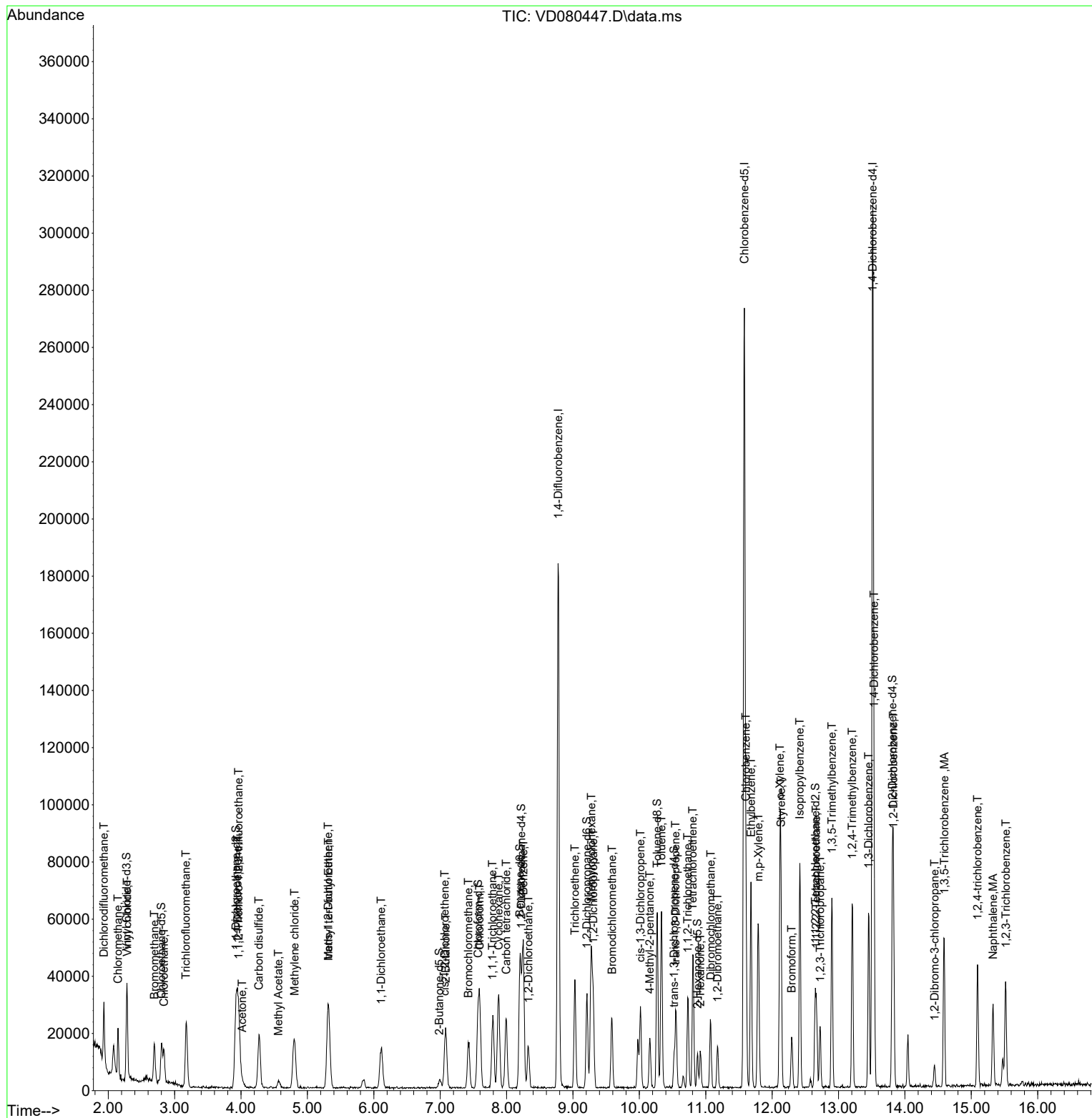
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.729	97	10755	4.87	ug/L	85
46) Tetrachloroethene	10.805	164	11573	4.80	ug/L	89
48) 2-Hexanone	10.917	43	8062	8.08	ug/L #	97
49) Dibromochloromethane	11.076	129	13051	4.96	ug/L	88
50) 1,2-Dibromoethane	11.176	107	9613	4.61	ug/L #	98
51) Chlorobenzene	11.605	112	34354	4.67	ug/L	97
52) Ethylbenzene	11.682	91	49749	4.30	ug/L	95
53) m,p-Xylene	11.793	106	19262	4.31	ug/L	83
54) o-Xylene	12.117	106	16948	3.96	ug/L	88
55) Styrene	12.134	104	31068	4.07	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.664	83	12643	4.94	ug/L #	88
59) Bromoform	12.293	173	8876	5.01	ug/L	98
60) Isopropylbenzene	12.417	105	49217	4.41	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	9095	5.23	ug/L	93
62) 1,3,5-Trimethylbenzene	12.899	105	35749	4.11	ug/L	97
63) 1,2,4-Trimethylbenzene	13.205	105	35430	4.12	ug/L	98
64) 1,3-Dichlorobenzene	13.452	146	28720	4.93	ug/L	93
65) 1,4-Dichlorobenzene	13.534	146	28695	4.74	ug/L	95
67) 1,2-Dichlorobenzene	13.829	146	25732	4.76	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.446	75	2182	5.54	ug/L	89
69) 1,3,5-Trichlorobenzene	14.593	180	18827	4.70	ug/L	99
70) 1,2,4-trichlorobenzene	15.093	180	14405	4.28	ug/L	94
71) Naphthalene	15.328	128	25711	4.30	ug/L	99
72) 1,2,3-Trichlorobenzene	15.523	180	13866	4.45	ug/L	97

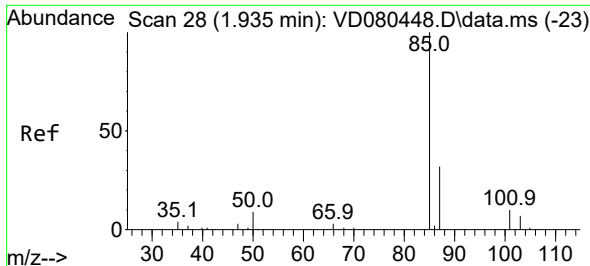
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QLast Update : Thu Jun 19 08:34:52 2025
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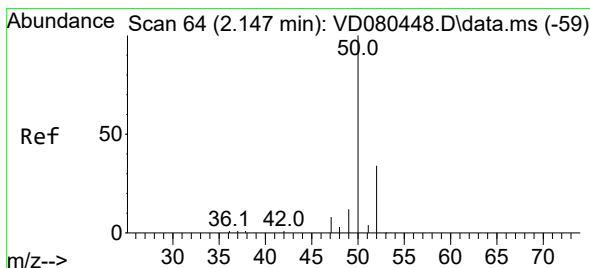
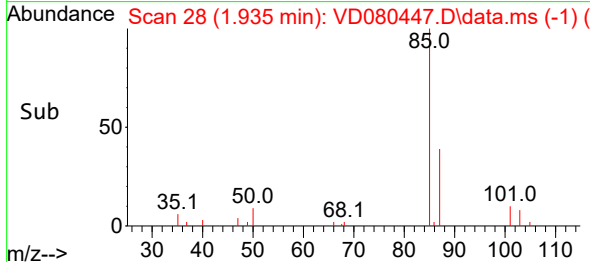
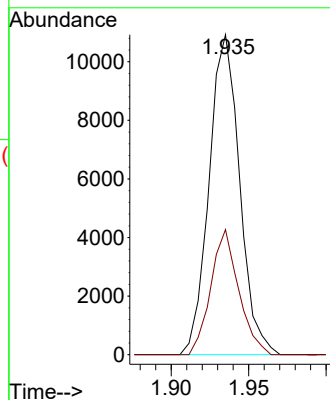
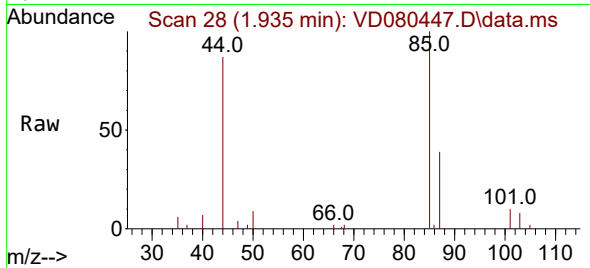




#2
Dichlorodifluoromethane
Concen: 5.55 ug/L
RT: 1.935 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

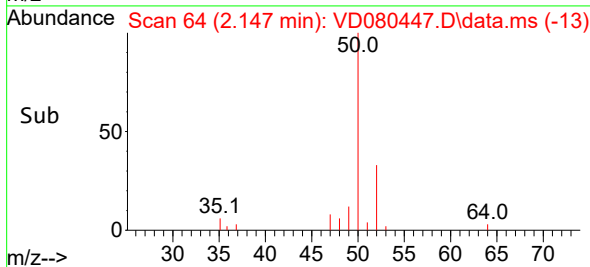
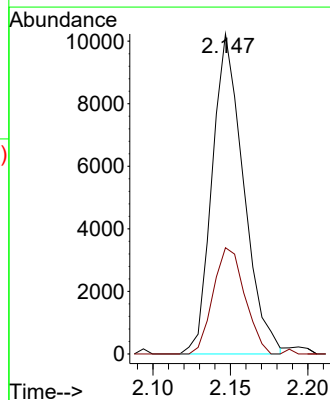
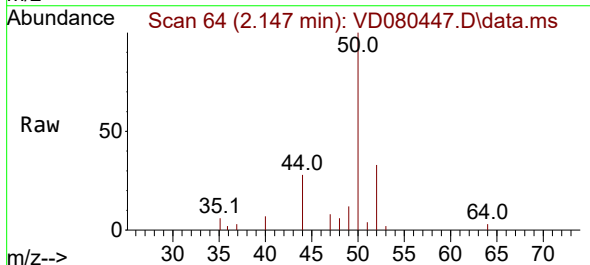
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

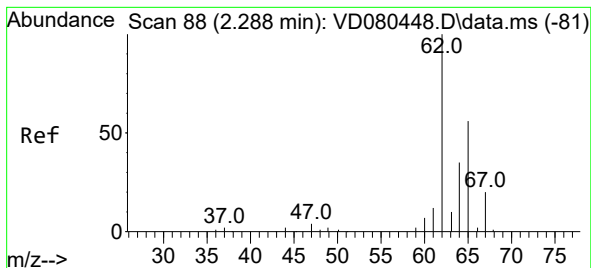
Tgt Ion: 85 Resp: 14963
Ion Ratio Lower Upper
85 100
87 35.7 25.9 38.9



#3
Chloromethane
Concen: 5.46 ug/L
RT: 2.147 min Scan# 64
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion: 50 Resp: 14418
Ion Ratio Lower Upper
50 100
52 33.2 23.8 44.2





#5

Vinyl chloride

Concen: 5.52 ug/L

RT: 2.288 min Scan# 81

Delta R.T. 0.000 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

Instrument :

MSVOA_D

ClientSampleId :

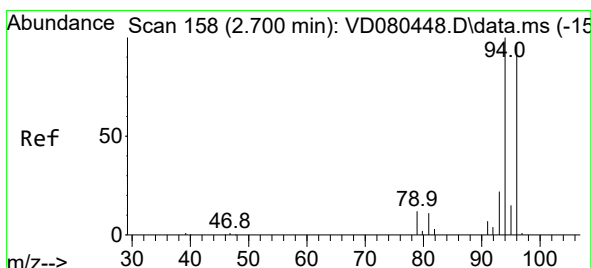
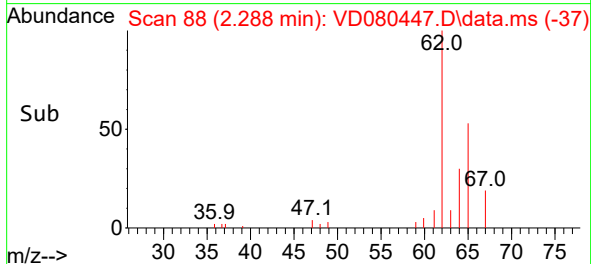
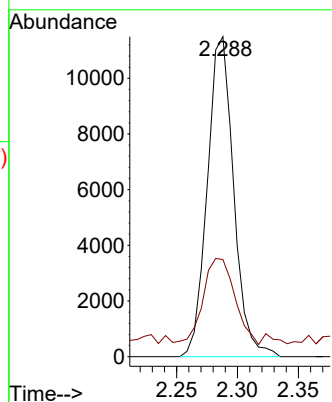
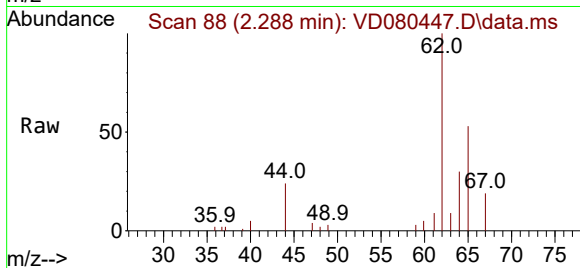
VSTD005883

Tgt Ion: 62 Resp: 17287

Ion Ratio Lower Upper

62 100

64 30.3 25.6 47.6



#6

Bromomethane

Concen: 5.63 ug/L

RT: 2.694 min Scan# 157

Delta R.T. -0.006 min

Lab File: VD080447.D

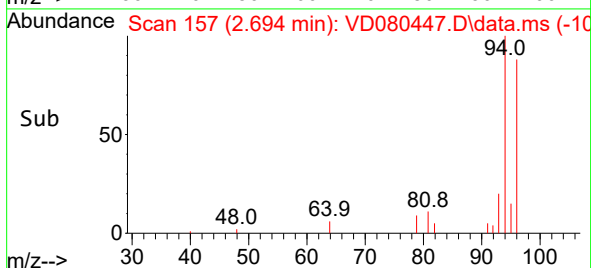
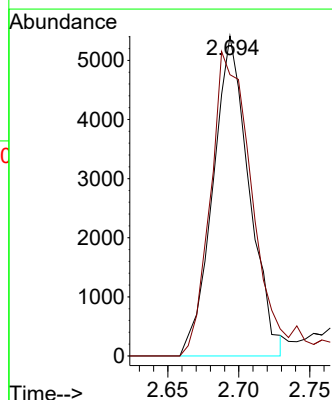
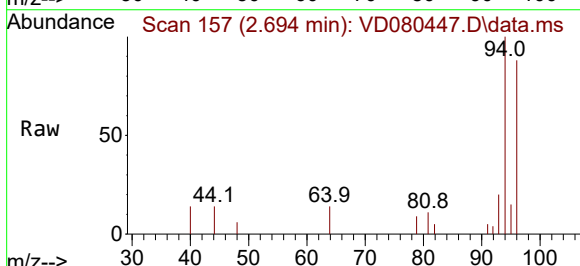
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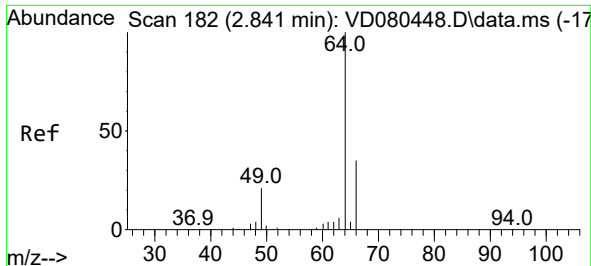
Tgt Ion: 94 Resp: 9630

Ion Ratio Lower Upper

94 100

96 87.9 67.6 125.6

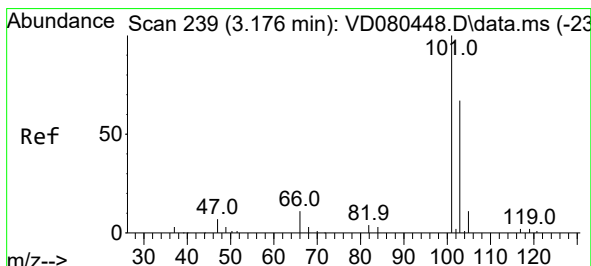
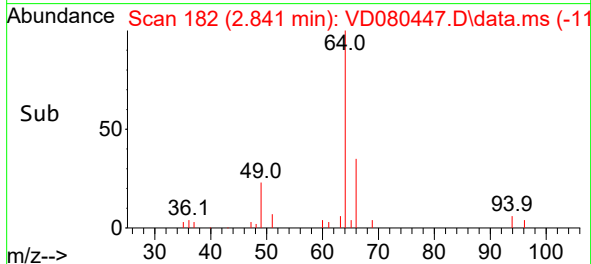
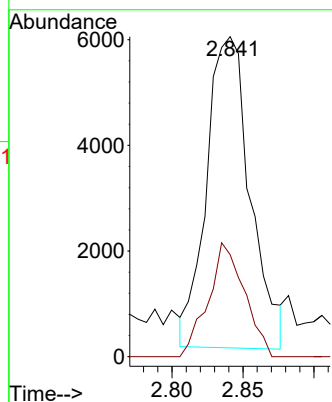
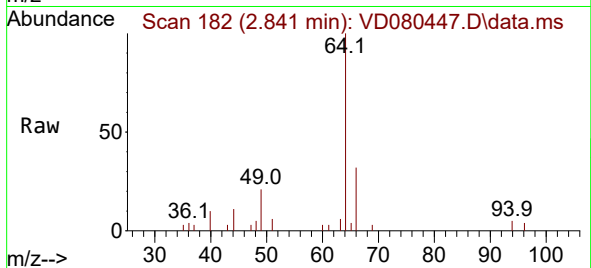




#8
Chloroethane
Concen: 6.00 ug/L
RT: 2.841 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

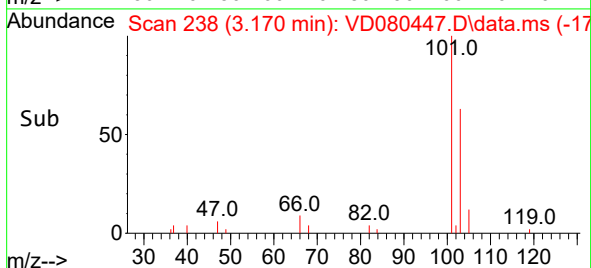
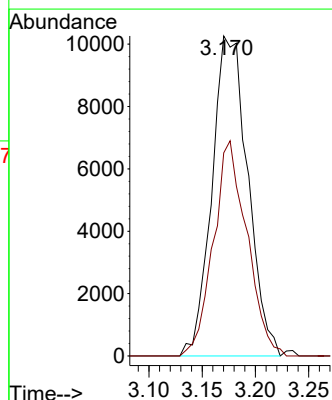
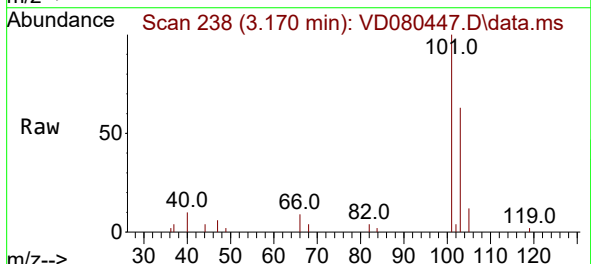
Instrument :
MSVOA_D
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VSTD005883

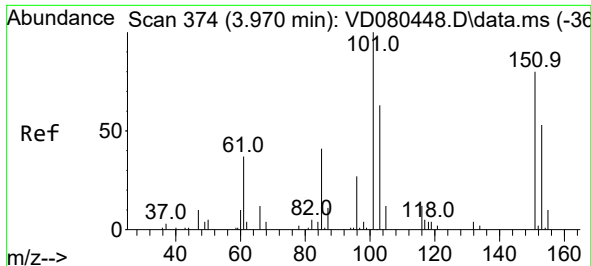
Tgt Ion: 64 Resp: 12609
Ion Ratio Lower Upper
64 100
66 31.9 23.9 44.3



#9
Trichlorofluoromethane
Concen: 5.72 ug/L
RT: 3.170 min Scan# 238
Delta R.T. -0.006 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion:101 Resp: 23991
Ion Ratio Lower Upper
101 100
103 63.0 51.0 76.4

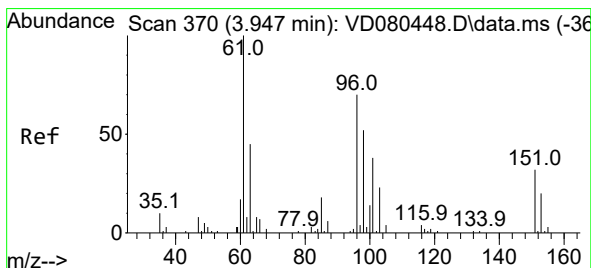
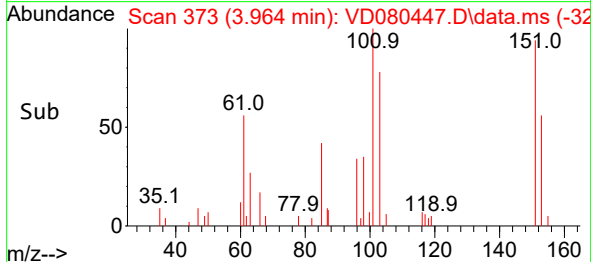
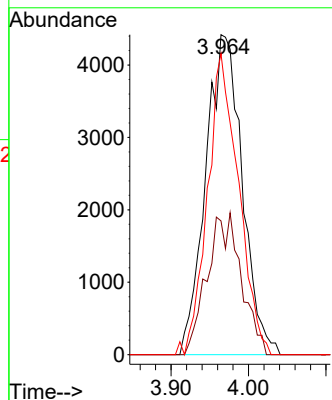
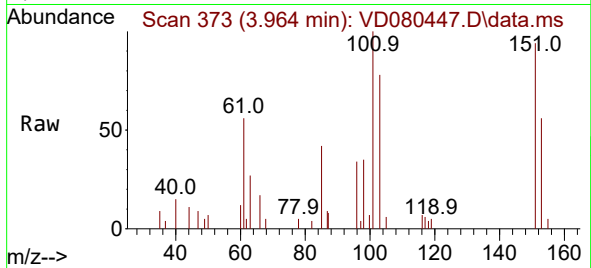




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.50 ug/L
RT: 3.964 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

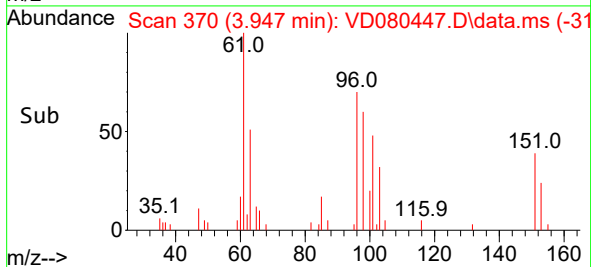
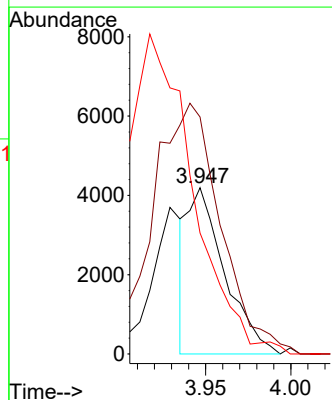
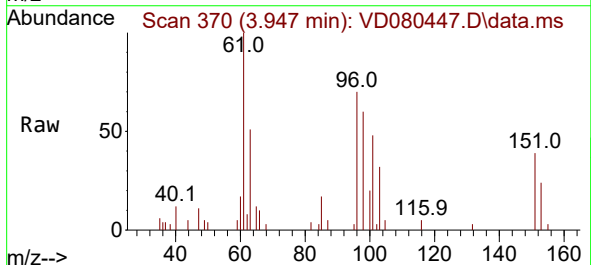
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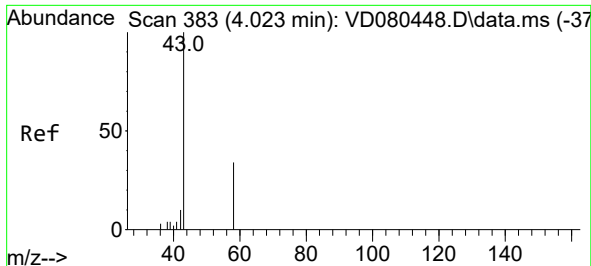
Tgt Ion:101 Resp: 14452
Ion Ratio Lower Upper
101 100
85 23.5 32.0 48.0#
151 79.8 63.7 95.5



#12
1,1-Dichloroethene
Concen: 2.78 ug/L
RT: 3.947 min Scan# 370
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion: 96 Resp: 6279
Ion Ratio Lower Upper
96 100
61 142.6 103.0 191.4
63 72.8 66.4 123.2





#13

Acetone

Concen: 9.18 ug/L

RT: 4.017 min Scan# 382

Delta R.T. -0.006 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

Instrument :

MSVOA_D

ClientSampleId :

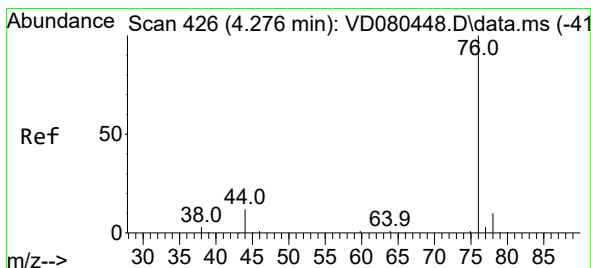
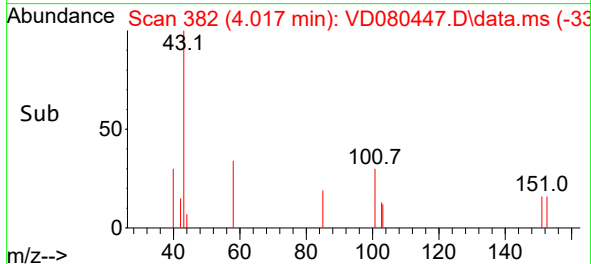
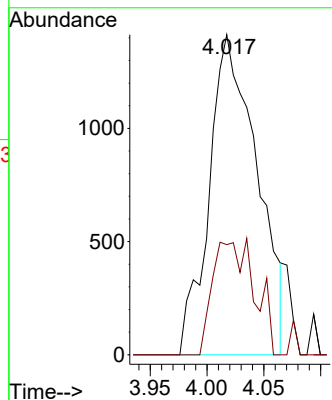
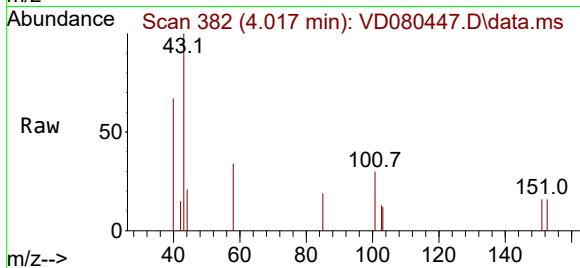
VSTD005883

Tgt Ion: 43 Resp: 4141

Ion Ratio Lower Upper

43 100

58 20.3 0.0 71.0



#14

Carbon disulfide

Concen: 5.04 ug/L

RT: 4.270 min Scan# 425

Delta R.T. -0.006 min

Lab File: VD080447.D

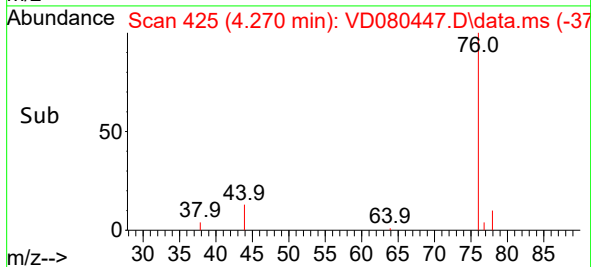
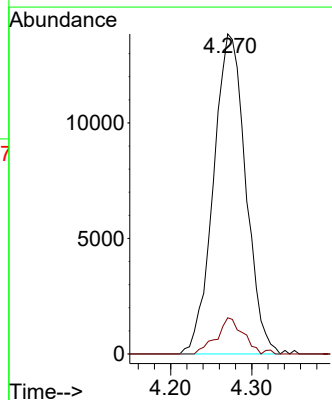
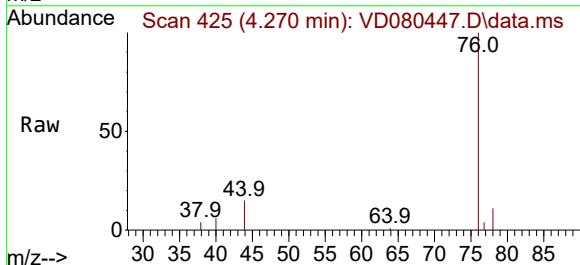
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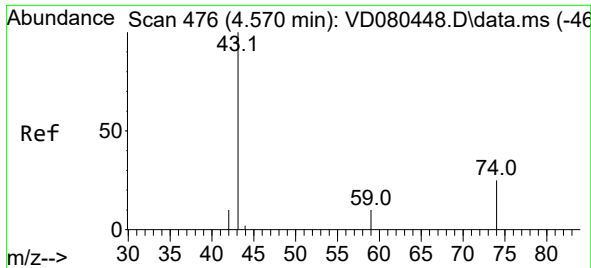
Tgt Ion: 76 Resp: 38281

Ion Ratio Lower Upper

76 100

78 11.3 7.9 11.9

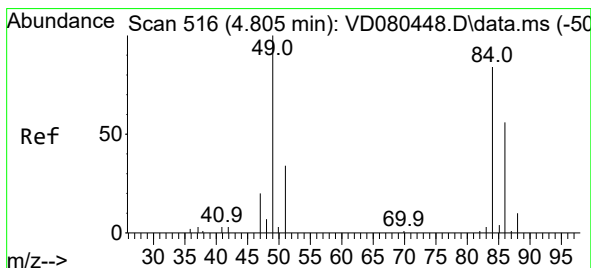
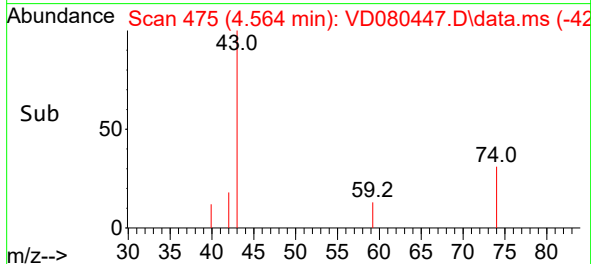
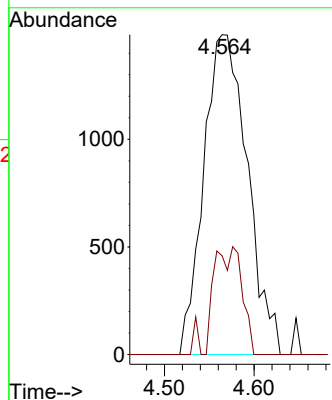
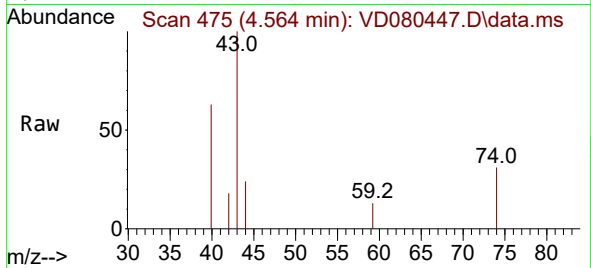




#15
Methyl Acetate
Concen: 4.61 ug/L
RT: 4.564 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

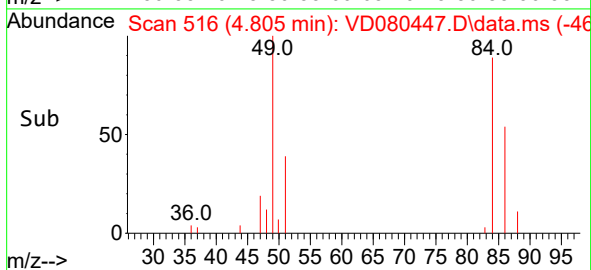
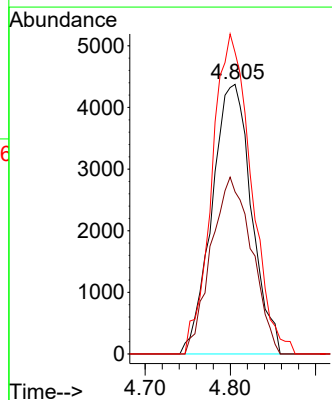
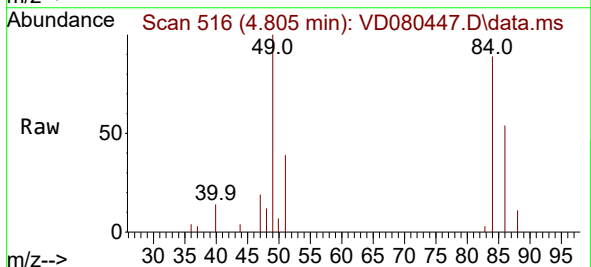
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

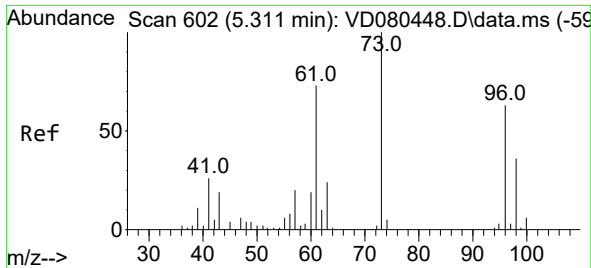
Tgt Ion: 43 Resp: 5026
Ion Ratio Lower Upper
43 100
74 11.6 20.3 30.5#



#16
Methylene chloride
Concen: 3.84 ug/L
RT: 4.805 min Scan# 516
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion: 84 Resp: 14128
Ion Ratio Lower Upper
84 100
86 60.1 46.7 86.7
49 111.8 83.0 154.1

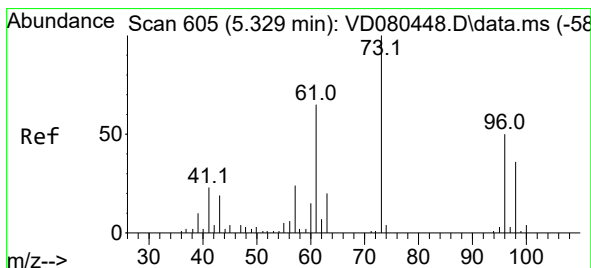
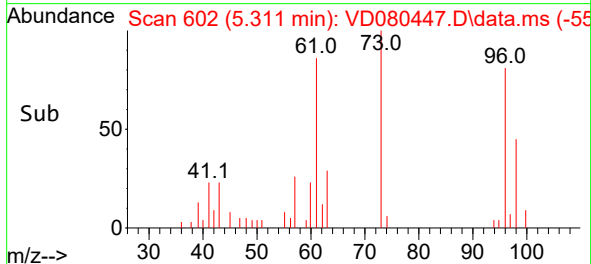
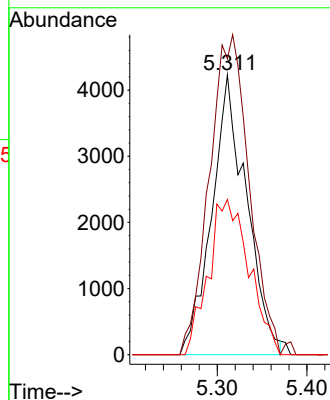
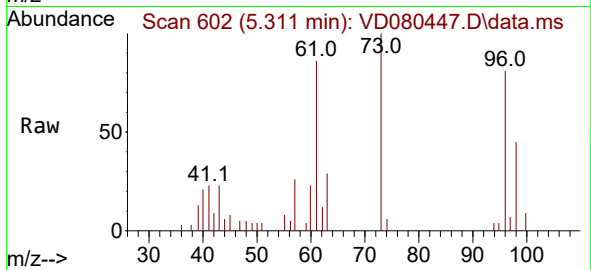




#17
trans-1,2-Dichloroethene
Concen: 4.53 ug/L
RT: 5.311 min Scan# 602
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

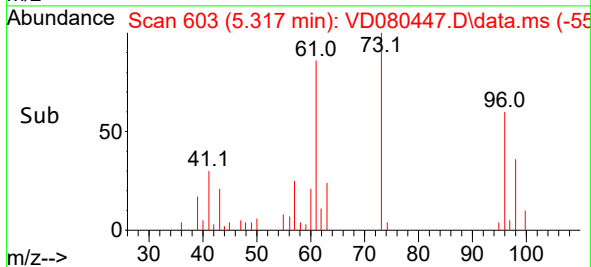
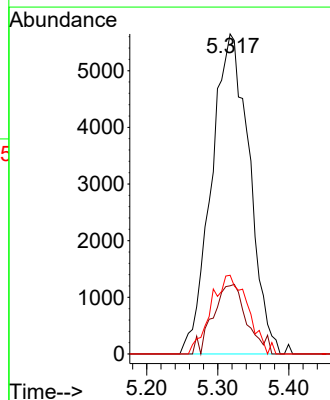
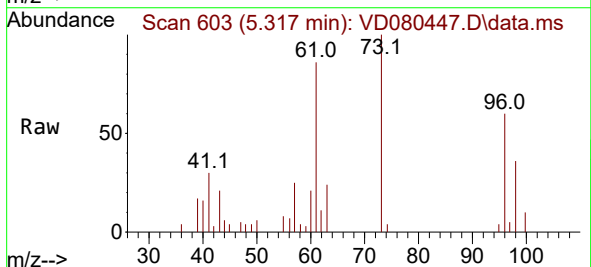
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

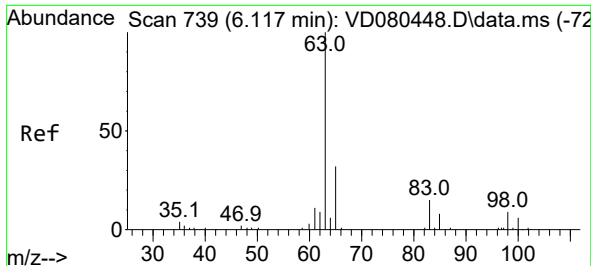
Tgt Ion: 96	Resp:	11370	
Ion	Ratio	Lower	Upper
96	100		
61	105.7	82.0	152.2
98	55.4	40.3	74.8



#18
Methyl tert-butyl Ether
Concen: 4.28 ug/L
RT: 5.317 min Scan# 603
Delta R.T. -0.012 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion: 73	Resp: 20900
Ion Ratio	Lower Upper
73 100	
43 18.3	15.8 23.8
57 3.4	17.6 26.4#

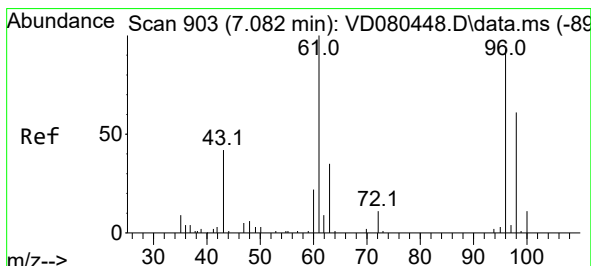
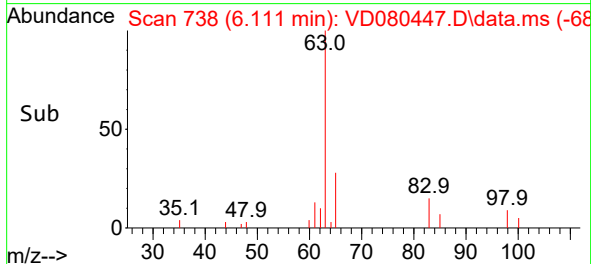
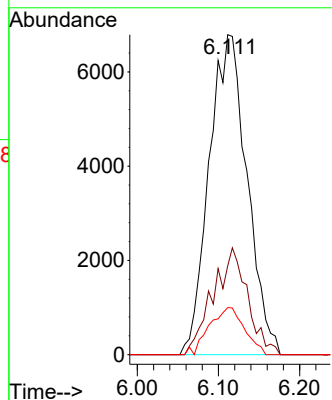
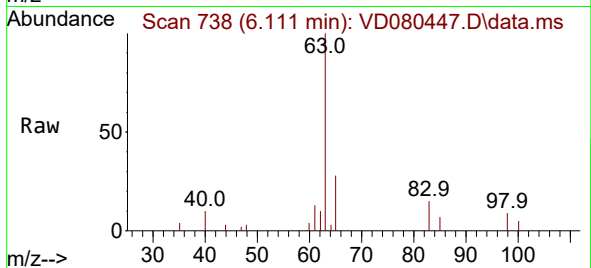




#19
1,1-Dichloroethane
Concen: 5.05 ug/L
RT: 6.111 min Scan# 738
Delta R.T. -0.006 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

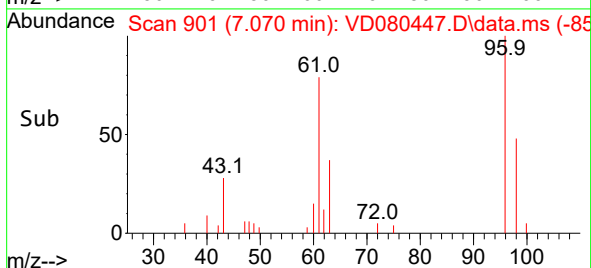
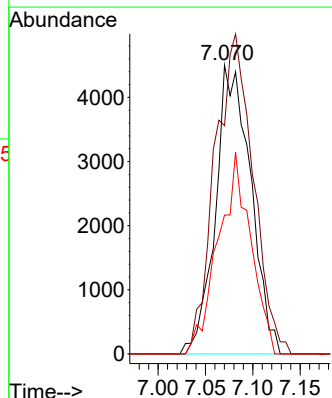
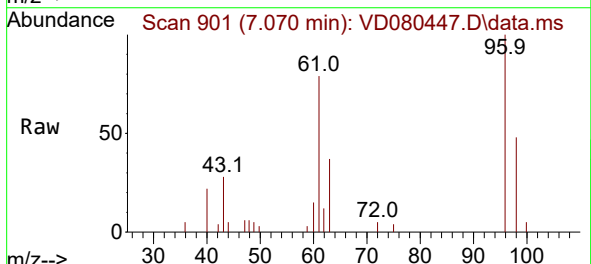
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

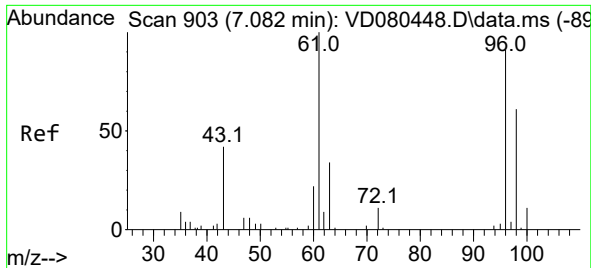
Tgt Ion:	63	Resp:	22053
Ion	Ratio	Lower	Upper
63	100		
65	27.7	22.0	41.0
83	14.7	10.8	20.0



#20
cis-1,2-Dichloroethene
Concen: 4.38 ug/L
RT: 7.070 min Scan# 901
Delta R.T. -0.012 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion:	96	Resp:	11660
Ion	Ratio	Lower	Upper
96	100		
61	79.1	75.8	140.8
98	48.1	45.9	85.3

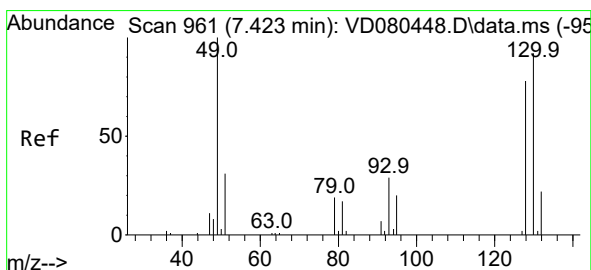
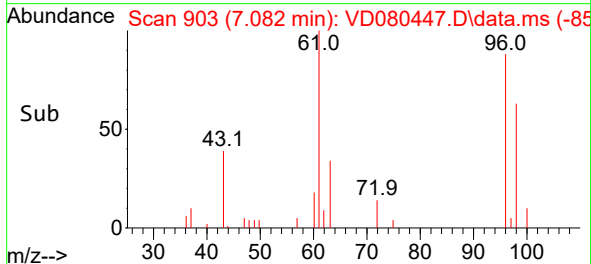
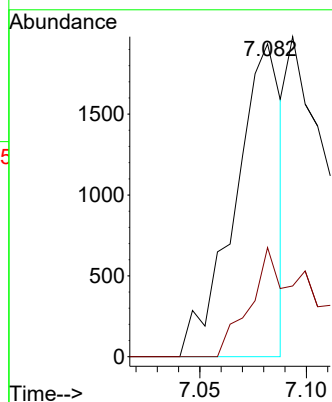
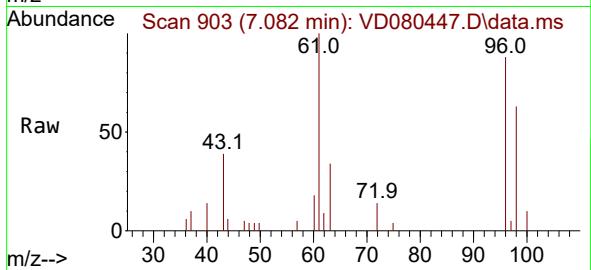




#22
2-Butanone
Concen: 4.78 ug/L
RT: 7.082 min Scan# 903
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

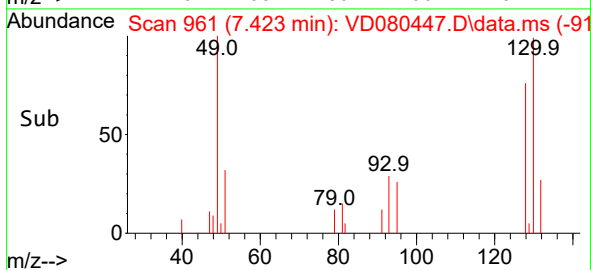
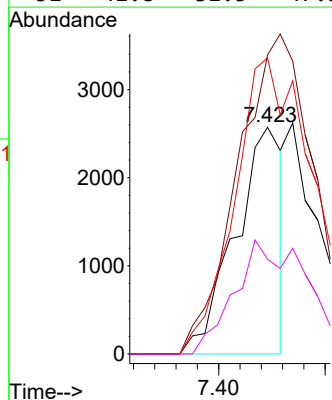
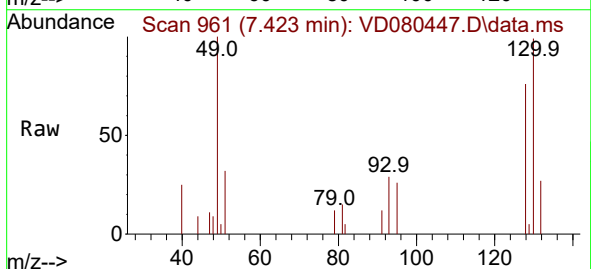
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

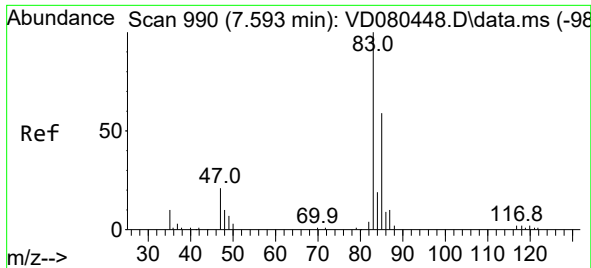
Tgt Ion: 43 Resp: 2943
Ion Ratio Lower Upper
43 100
72 22.6 14.9 44.5



#23
Bromochloromethane
Concen: 2.87 ug/L
RT: 7.423 min Scan# 961
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion: 128 Resp: 3955
Ion Ratio Lower Upper
128 100
49 132.0 89.5 166.3
130 130.7 82.5 153.1
51 41.8 31.5 47.3

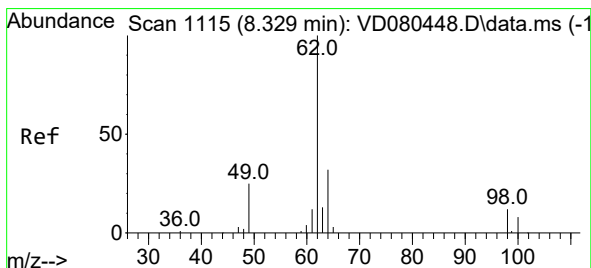
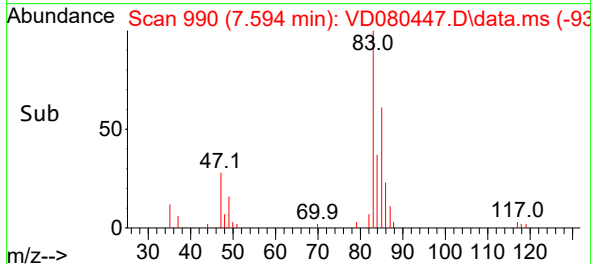
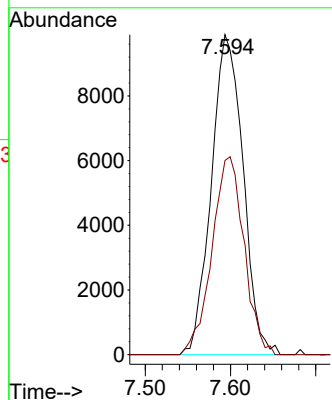
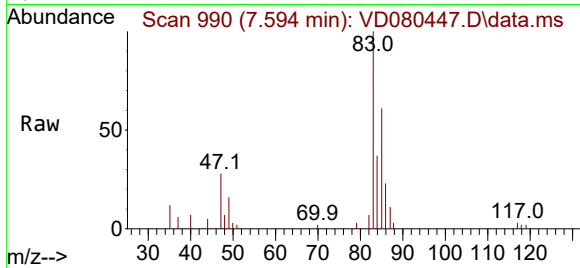




#25
Chloroform
Concen: 5.24 ug/L
RT: 7.594 min Scan# 990
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

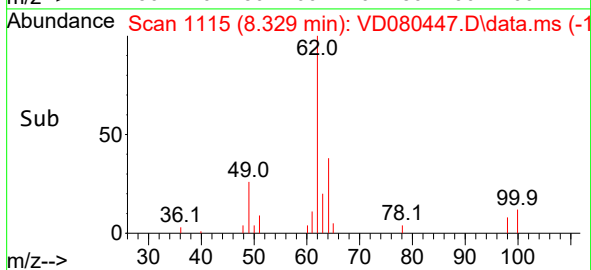
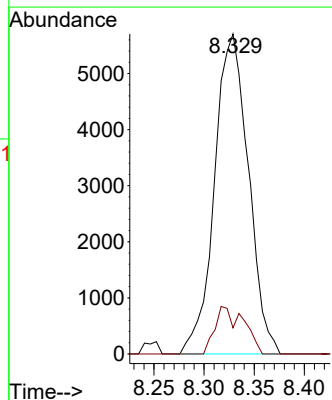
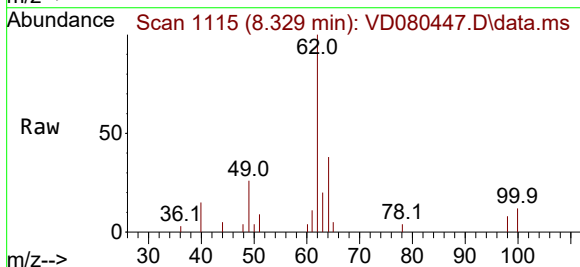
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

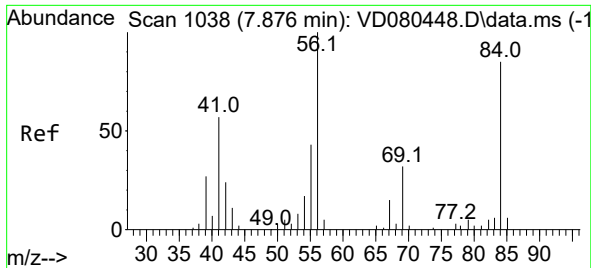
Tgt Ion: 83 Resp: 25625
Ion Ratio Lower Upper
83 100
85 60.7 42.0 78.0



#27
1,2-Dichloroethane
Concen: 4.81 ug/L
RT: 8.329 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion: 62 Resp: 13413
Ion Ratio Lower Upper
62 100
98 8.2 9.4 14.2#





#29

Cyclohexane

Concen: 4.48 ug/L

RT: 7.882 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTD005883

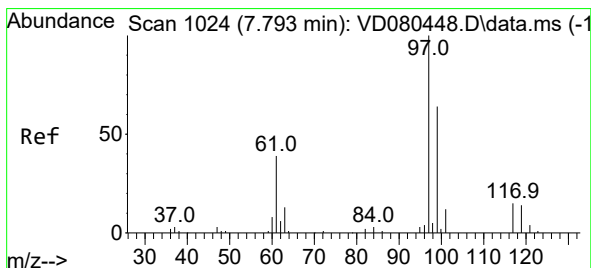
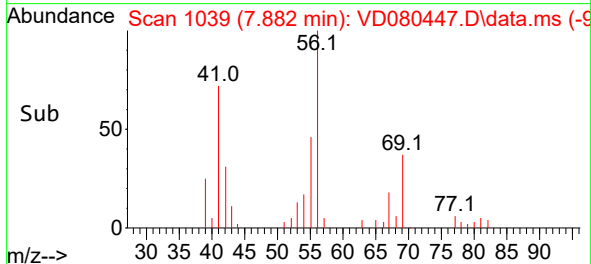
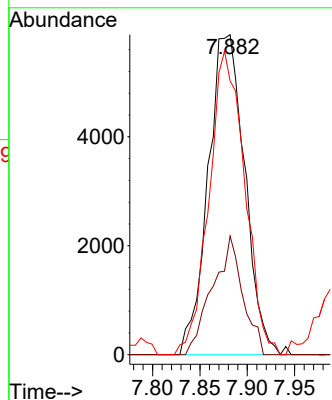
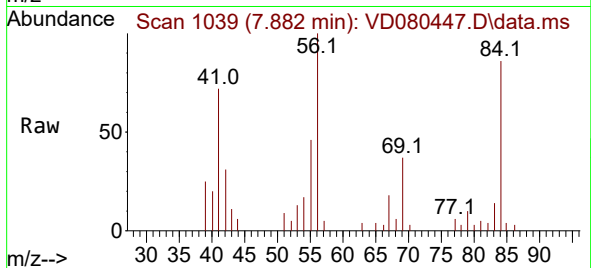
Tgt Ion: 56 Resp: 15798

Ion Ratio Lower Upper

56 100

69 30.7 25.7 38.5

84 92.2 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 5.19 ug/L

RT: 7.788 min Scan# 1023

Delta R.T. -0.006 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

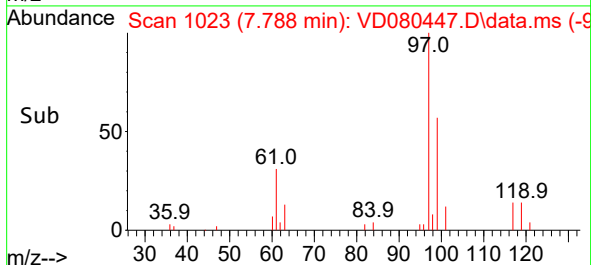
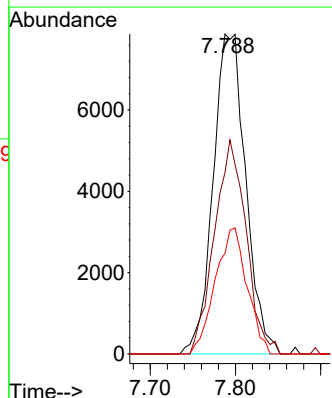
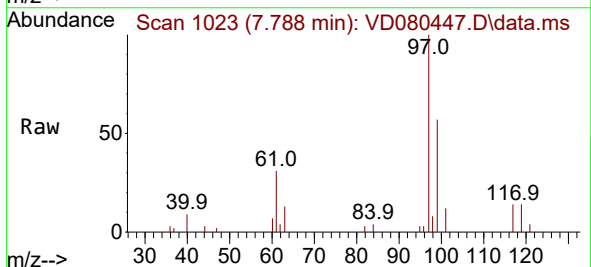
Tgt Ion: 97 Resp: 20927

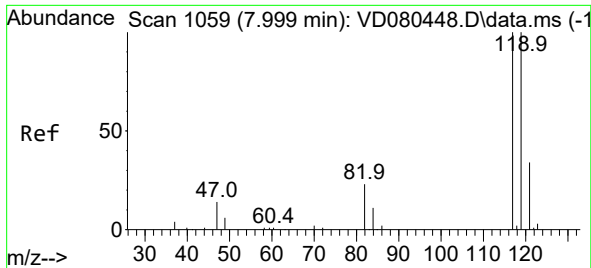
Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 38.5 32.4 48.6

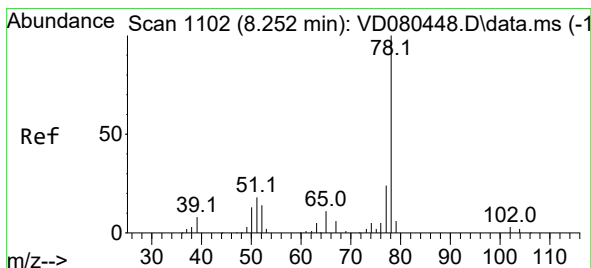
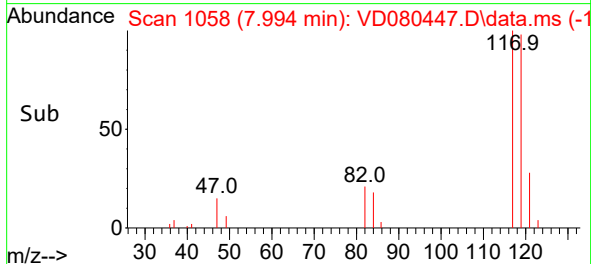
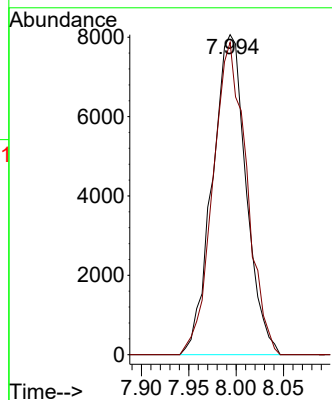
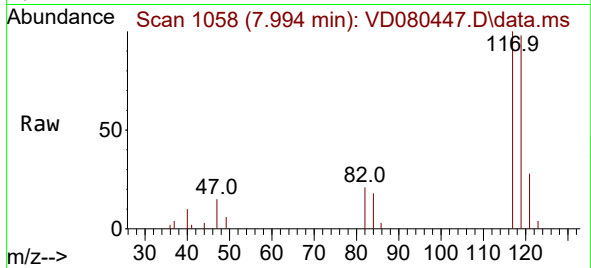




#31
Carbon tetrachloride
Concen: 5.32 ug/L
RT: 7.994 min Scan# 1059
Delta R.T. -0.006 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

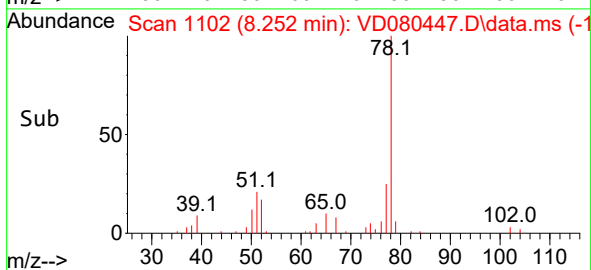
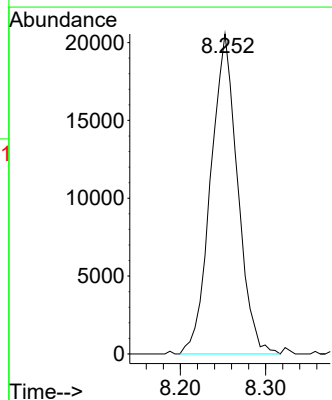
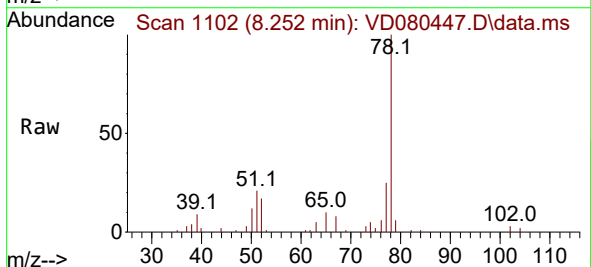
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

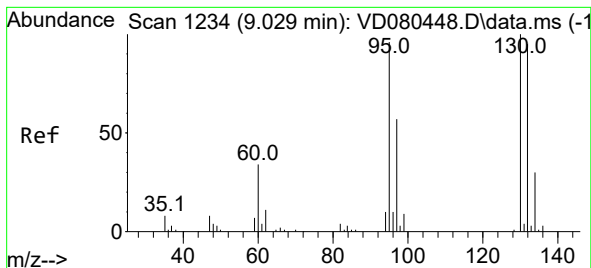
Tgt Ion:117 Resp: 20030
Ion Ratio Lower Upper
117 100
119 97.5 77.2 115.8



#33
Benzene
Concen: 4.58 ug/L
RT: 8.252 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion: 78 Resp: 45042





#34

Trichloroethene

Concen: 4.89 ug/L

RT: 9.029 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTD005883

Tgt Ion: 95 Resp: 13458

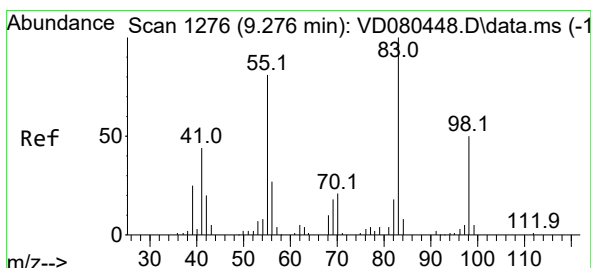
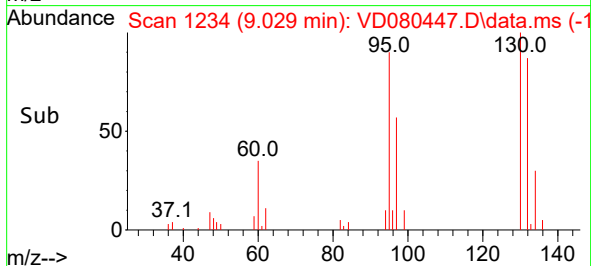
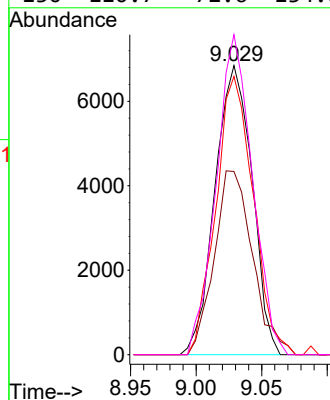
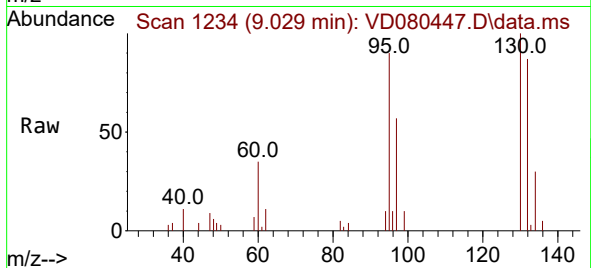
Ion Ratio Lower Upper

95 100

97 63.4 41.5 77.1

132 96.2 69.1 128.3

130 110.7 72.6 134.8



#35

Methylcyclohexane

Concen: 4.25 ug/L

RT: 9.276 min Scan# 1276

Delta R.T. 0.000 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

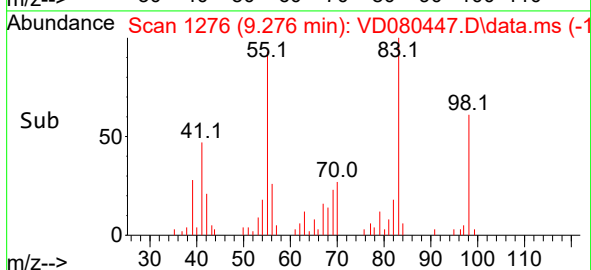
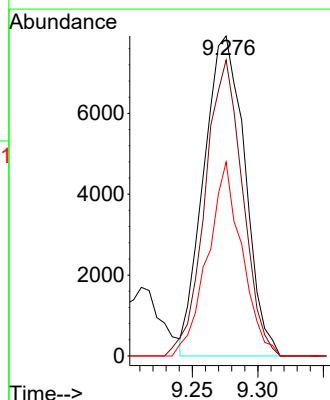
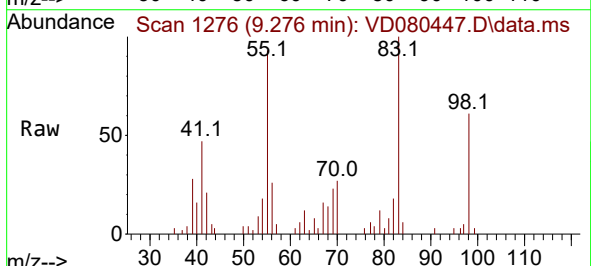
Tgt Ion: 83 Resp: 17230

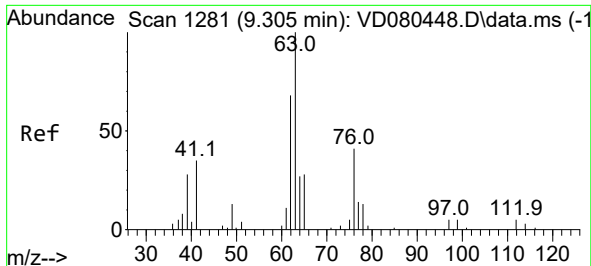
Ion Ratio Lower Upper

83 100

55 84.4 59.7 89.5

98 50.5 38.2 57.2

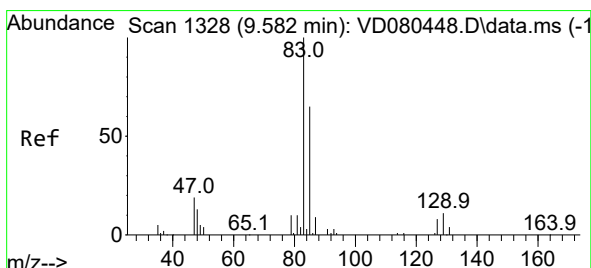
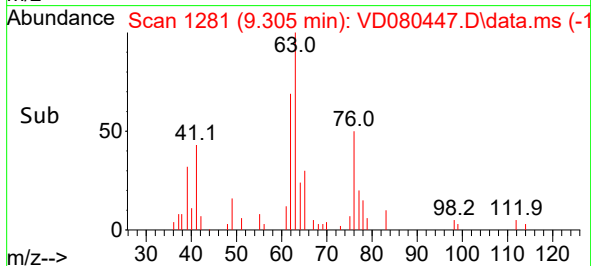
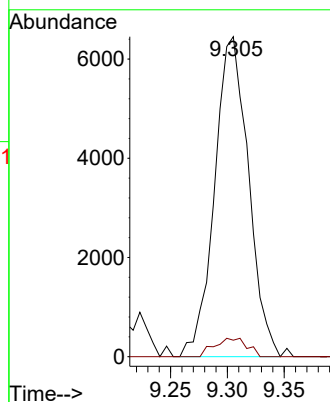
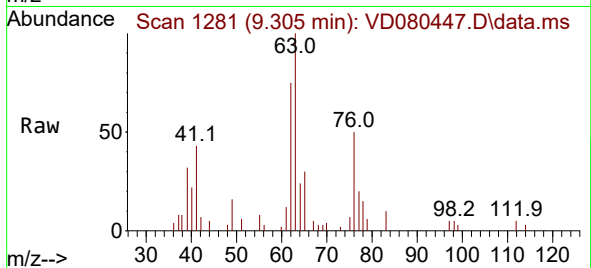




#37
1,2-Dichloropropane
Concen: 4.95 ug/L
RT: 9.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

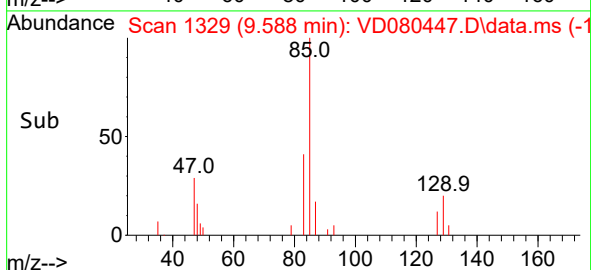
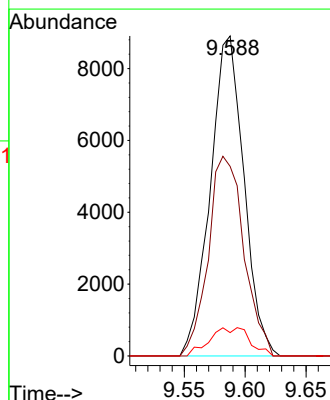
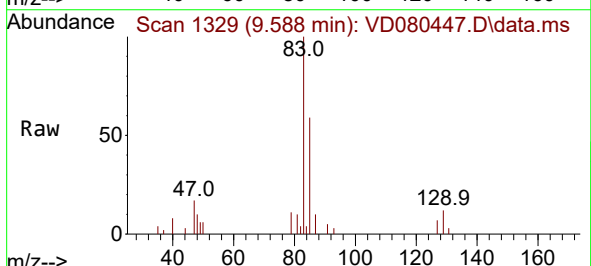
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

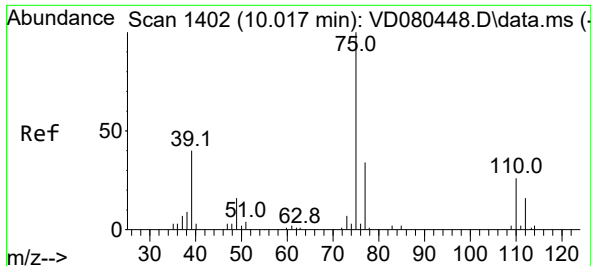
Tgt Ion: 63 Resp: 13390
Ion Ratio Lower Upper
63 100
112 4.4 3.9 5.9



#38
Bromodichloromethane
Concen: 4.89 ug/L
RT: 9.588 min Scan# 1329
Delta R.T. 0.006 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion: 83 Resp: 17127
Ion Ratio Lower Upper
83 100
85 59.2 45.2 84.0
127 7.3 6.2 9.4

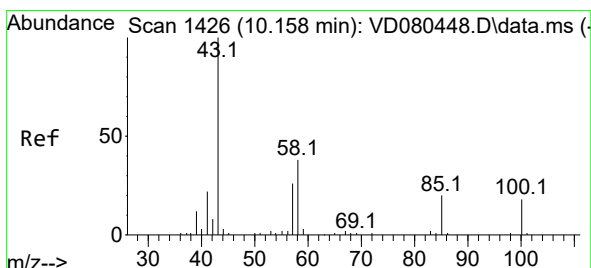
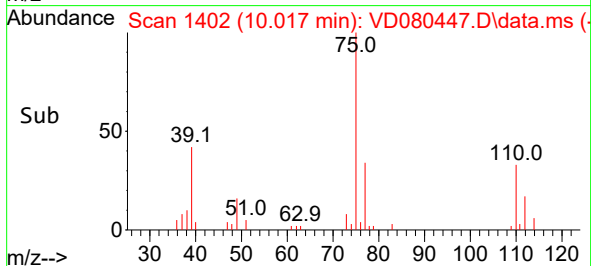
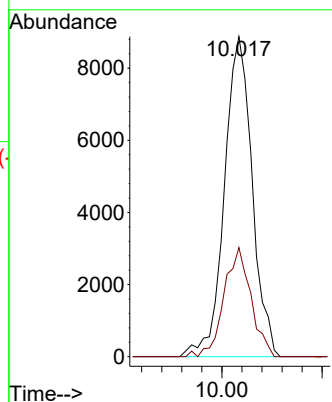
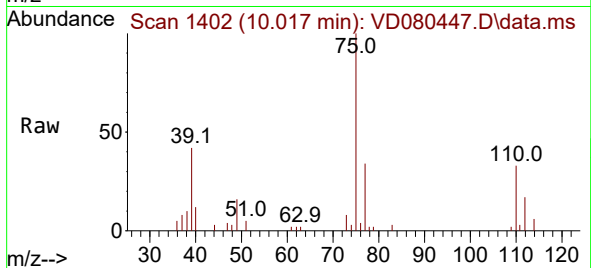




#39
 cis-1,3-Dichloropropene
 Concen: 4.25 ug/L
 RT: 10.017 min Scan# 1402
 Delta R.T. 0.000 min
 Lab File: VD080447.D
 Acq: 18 Jun 2025 10:02

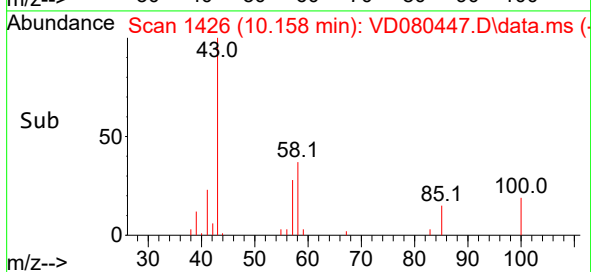
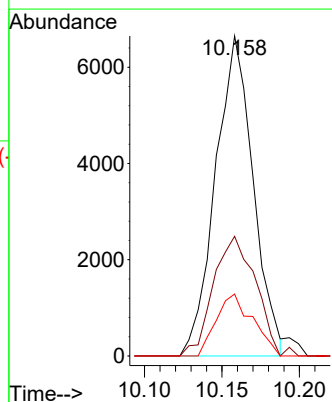
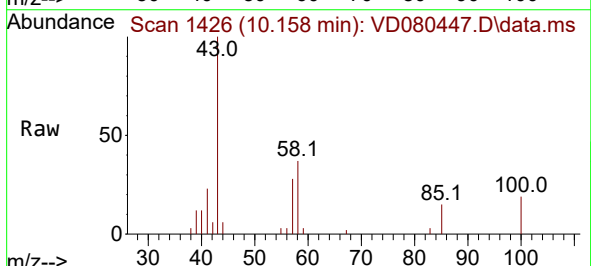
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005883

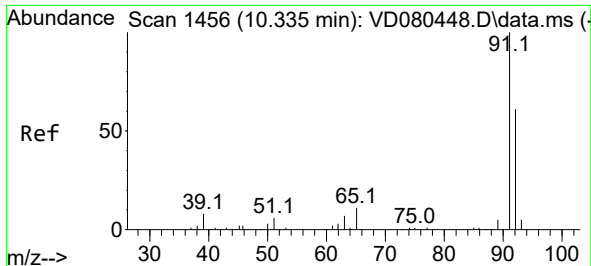
Tgt Ion: 75 Resp: 17055
 Ion Ratio Lower Upper
 75 100
 77 34.1 24.1 44.7



#40
 4-Methyl-2-pentanone
 Concen: 8.25 ug/L
 RT: 10.158 min Scan# 1426
 Delta R.T. 0.000 min
 Lab File: VD080447.D
 Acq: 18 Jun 2025 10:02

Tgt Ion: 43 Resp: 11246
 Ion Ratio Lower Upper
 43 100
 58 41.6 31.7 47.5
 100 18.7 13.4 20.0

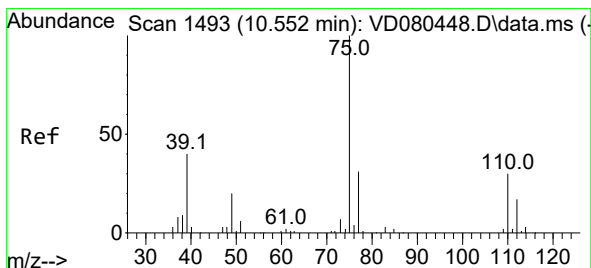
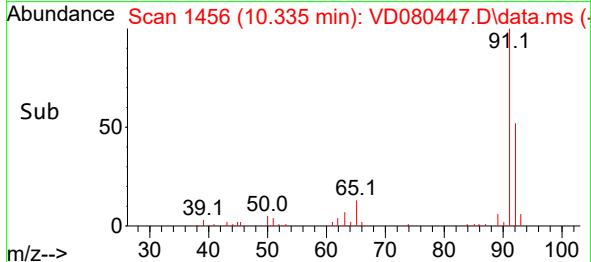
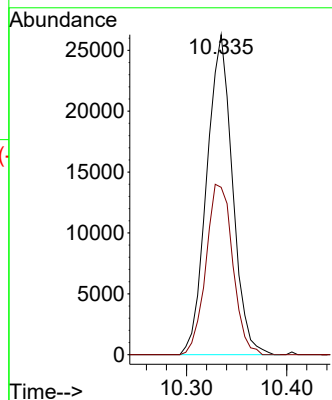
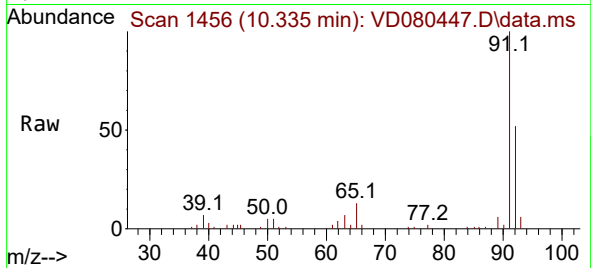




#42
Toluene
Concen: 4.35 ug/L
RT: 10.335 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

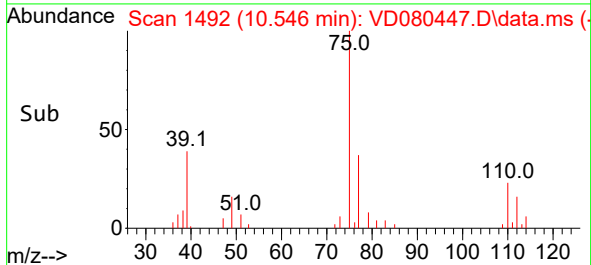
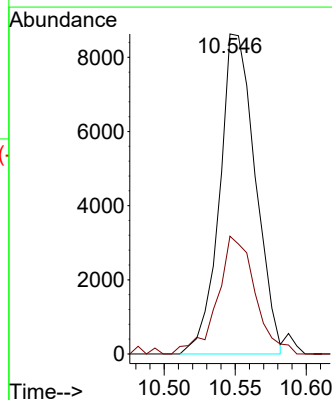
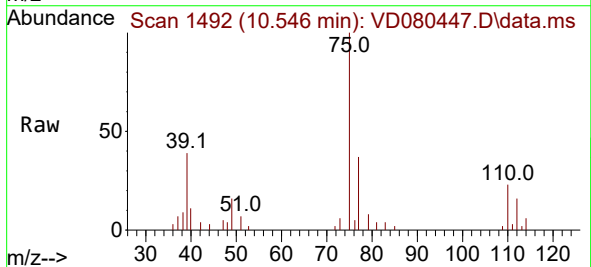
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

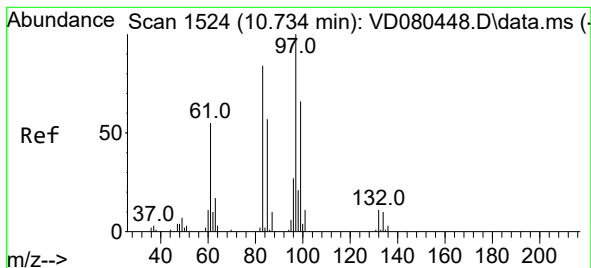
Tgt Ion: 91 Resp: 46896
Ion Ratio Lower Upper
91 100
92 52.3 42.6 79.0



#44
trans-1,3-Dichloropropene
Concen: 4.36 ug/L
RT: 10.546 min Scan# 1492
Delta R.T. -0.006 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion: 75 Resp: 15106
Ion Ratio Lower Upper
75 100
77 36.8 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 4.87 ug/L

RT: 10.729 min Scan# 1523

Delta R.T. -0.006 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTD005883

Tgt Ion: 97 Resp: 10755

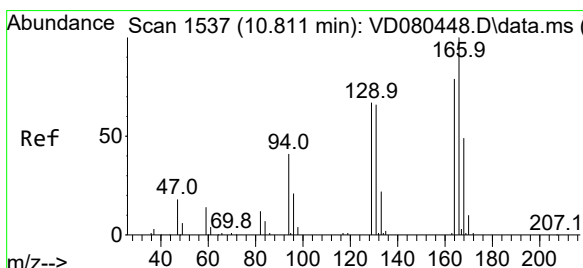
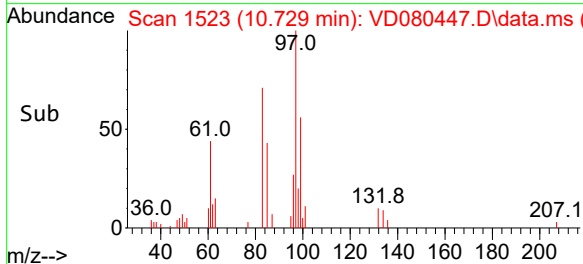
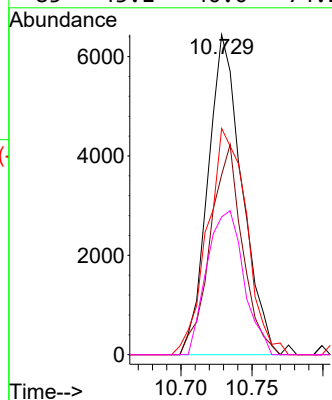
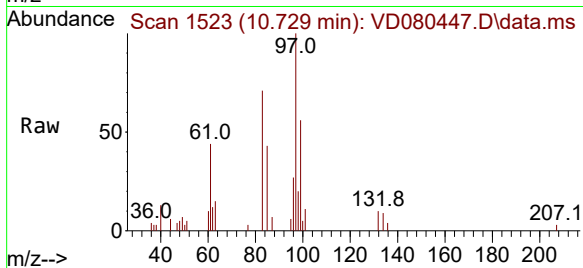
Ion Ratio Lower Upper

97 100

99 56.2 46.5 86.3

83 70.7 58.5 108.7

85 43.1 40.0 74.2



#46

Tetrachloroethene

Concen: 4.80 ug/L

RT: 10.805 min Scan# 1536

Delta R.T. -0.006 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

Tgt Ion: 164 Resp: 11573

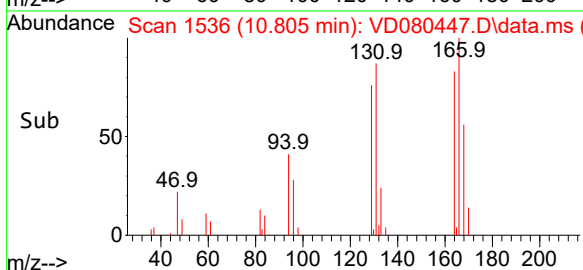
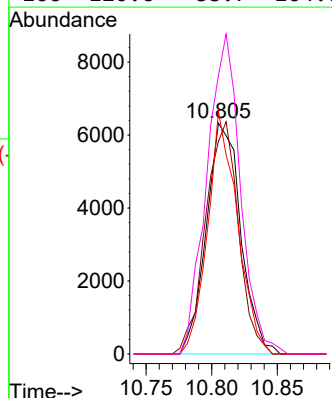
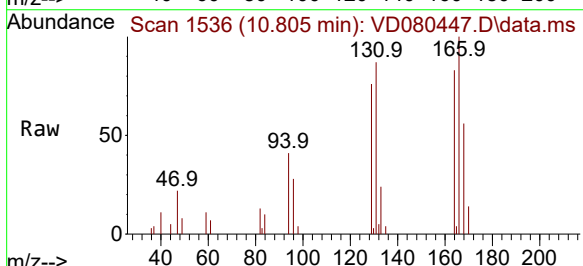
Ion Ratio Lower Upper

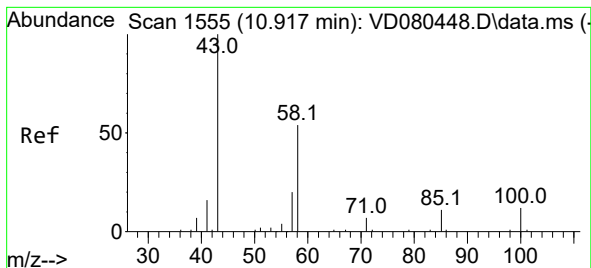
164 100

129 92.1 59.7 110.9

131 105.1 58.7 109.1

166 120.6 88.7 164.7





#48

2-Hexanone

Concen: 8.08 ug/L

RT: 10.917 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTD005883

Tgt Ion: 43 Resp: 8062

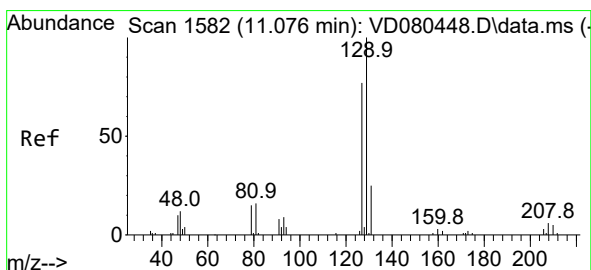
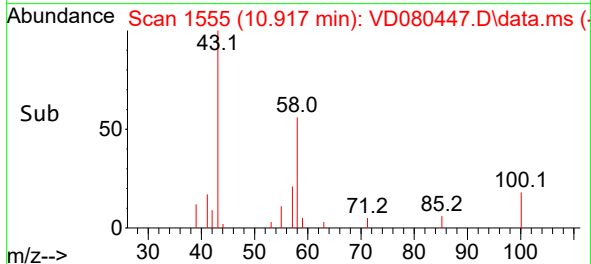
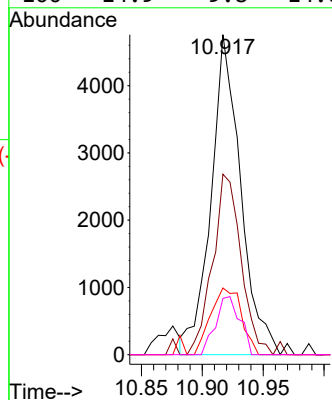
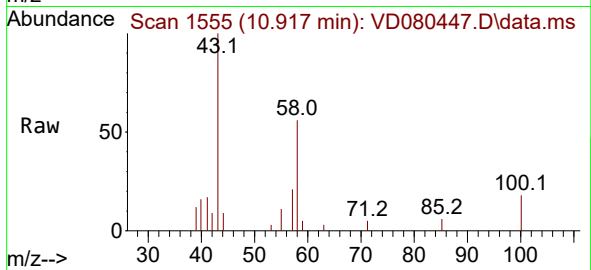
Ion Ratio Lower Upper

43 100

58 54.0 43.8 65.6

57 21.6 15.6 23.4

100 14.9 9.8 14.6#



#49

Dibromochloromethane

Concen: 4.96 ug/L

RT: 11.076 min Scan# 1582

Delta R.T. 0.000 min

Lab File: VD080447.D

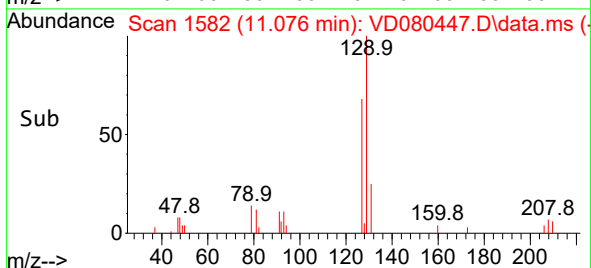
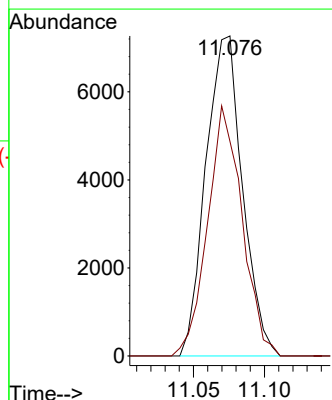
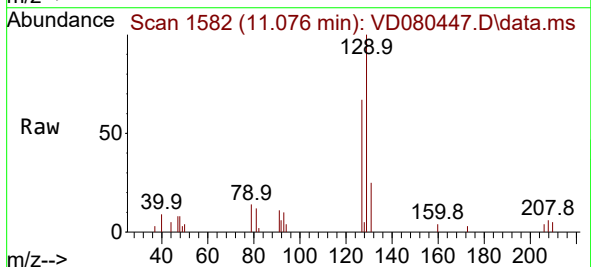
Acq: 18 Jun 2025 10:02

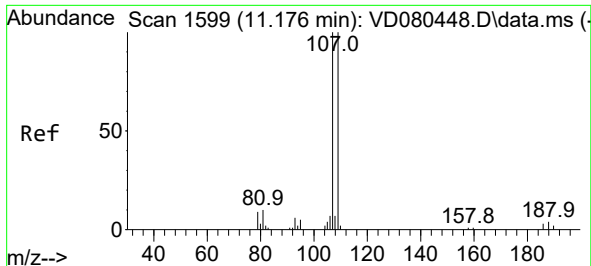
Tgt Ion: 129 Resp: 13051

Ion Ratio Lower Upper

129 100

127 67.0 54.1 100.5

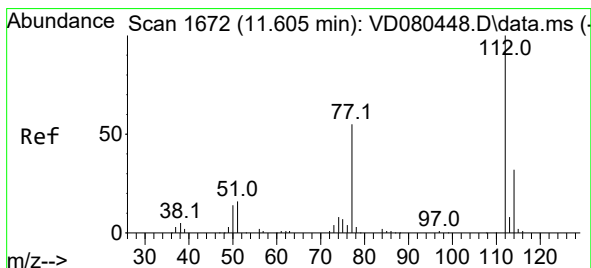
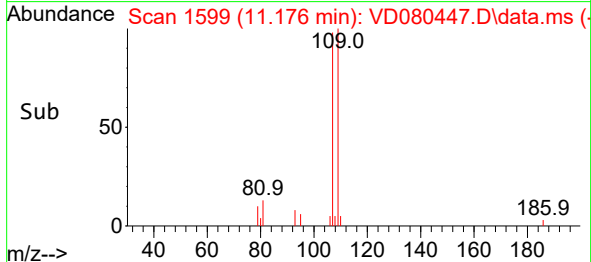
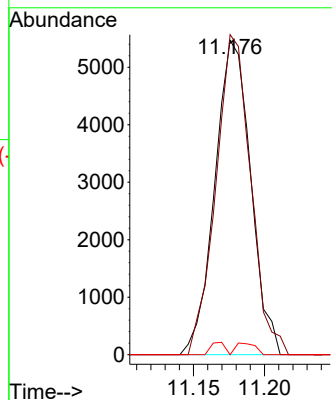
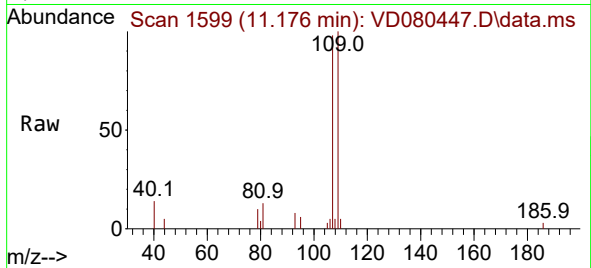




#50
1,2-Dibromoethane
Concen: 4.61 ug/L
RT: 11.176 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

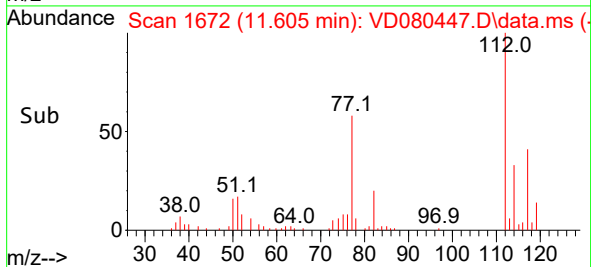
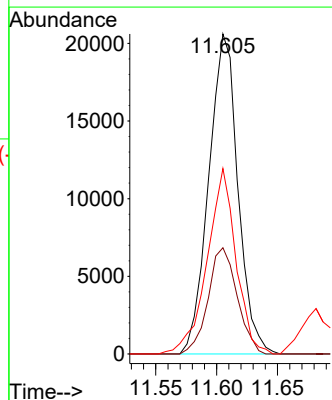
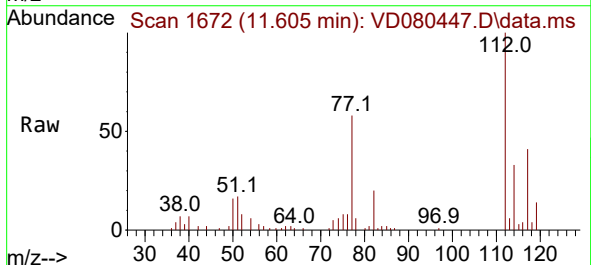
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

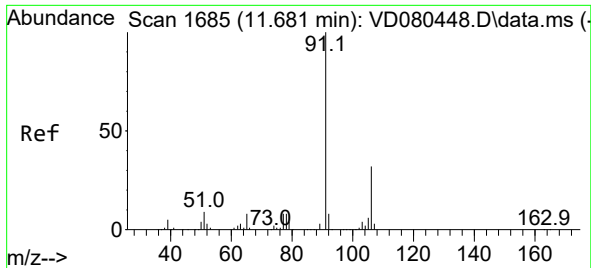
Tgt Ion:107 Resp: 9613
Ion Ratio Lower Upper
107 100
109 101.8 69.8 129.6
188 0.0 2.9 4.3#



#51
Chlorobenzene
Concen: 4.67 ug/L
RT: 11.605 min Scan# 1672
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion:112 Resp: 34354
Ion Ratio Lower Upper
112 100
114 33.2 22.3 41.3
77 58.0 44.2 66.4

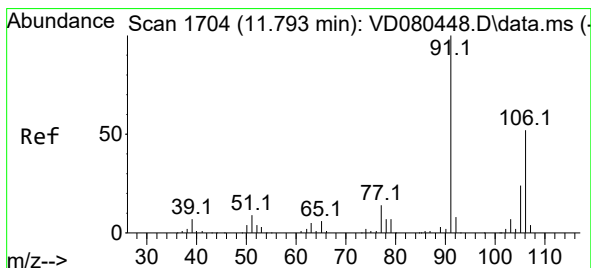
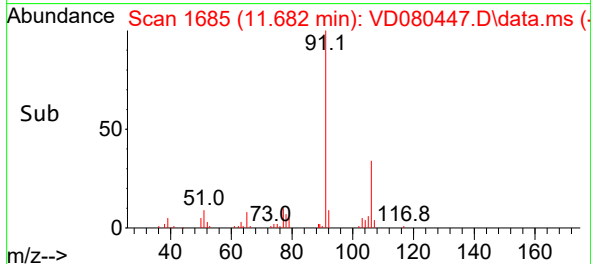
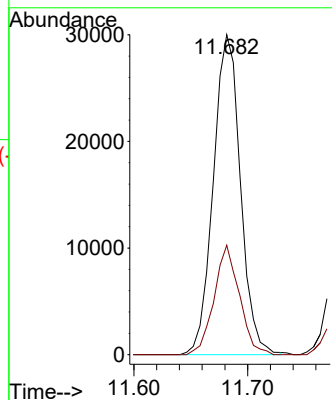
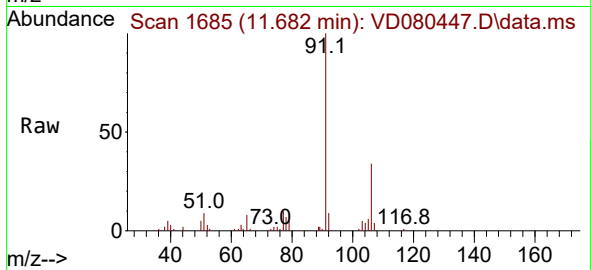




#52
Ethylbenzene
Concen: 4.30 ug/L
RT: 11.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

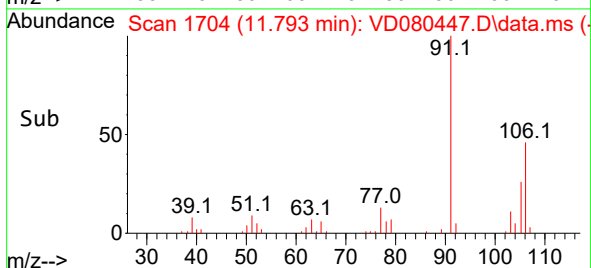
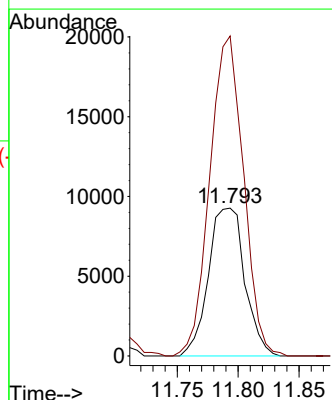
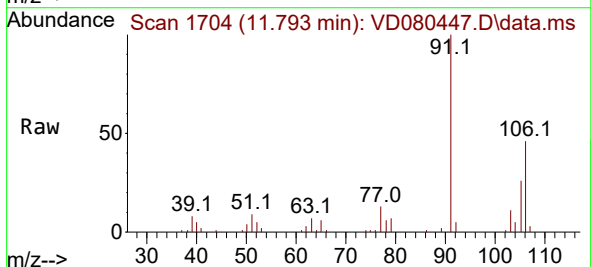
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

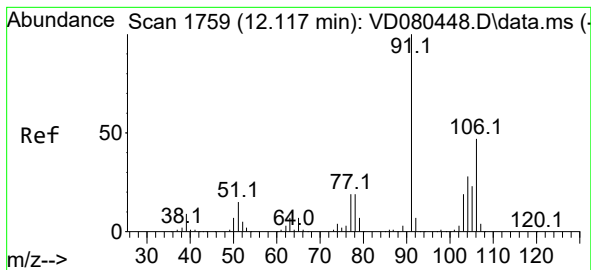
Tgt Ion: 91 Resp: 49749
Ion Ratio Lower Upper
91 100
106 34.2 22.1 41.1



#53
m,p-Xylene
Concen: 4.31 ug/L
RT: 11.793 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion:106 Resp: 19262
Ion Ratio Lower Upper
106 100
91 216.6 134.1 249.1





#54

o-Xylene

Concen: 3.96 ug/L

RT: 12.117 min Scan# 1759

Delta R.T. 0.000 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

Instrument :

MSVOA_D

ClientSampleId :

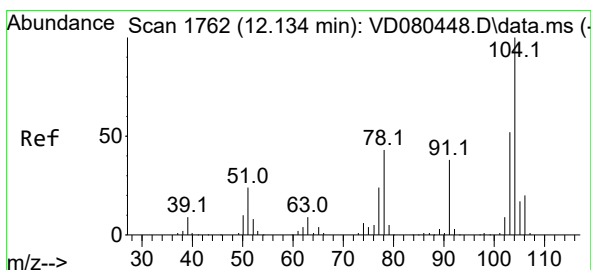
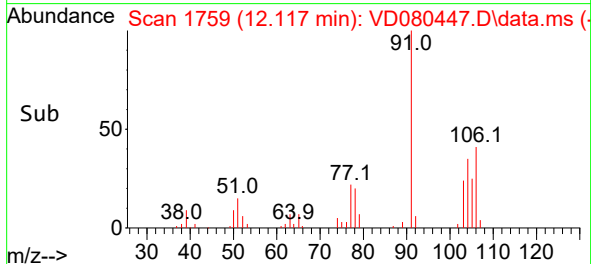
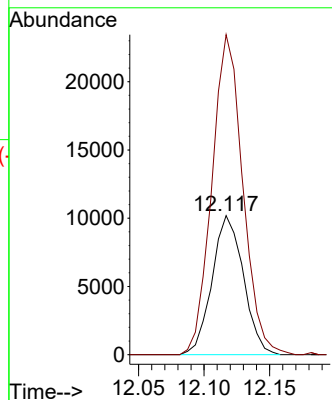
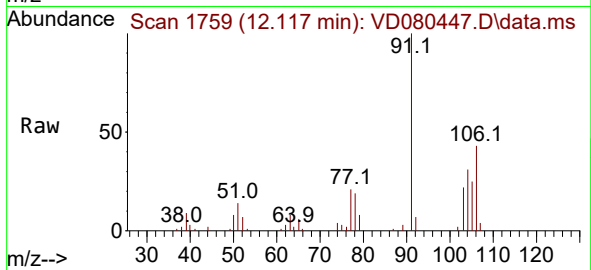
VSTD005883

Tgt Ion:106 Resp: 16948

Ion Ratio Lower Upper

106 100

91 230.2 148.3 275.3



#55

Styrene

Concen: 4.07 ug/L

RT: 12.134 min Scan# 1762

Delta R.T. 0.000 min

Lab File: VD080447.D

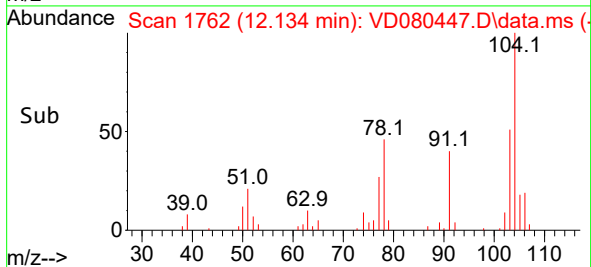
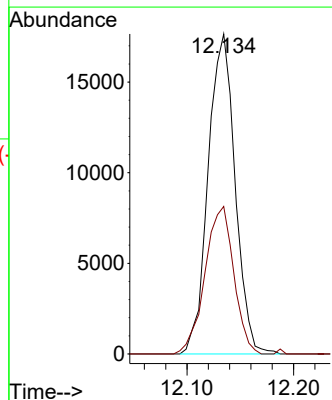
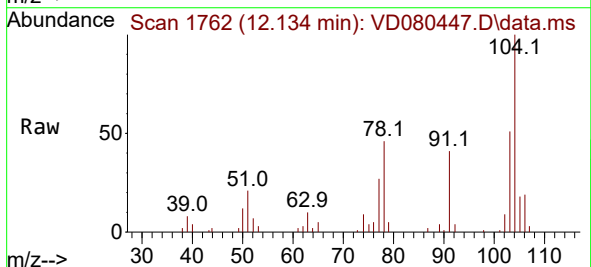
Acq: 18 Jun 2025 10:02

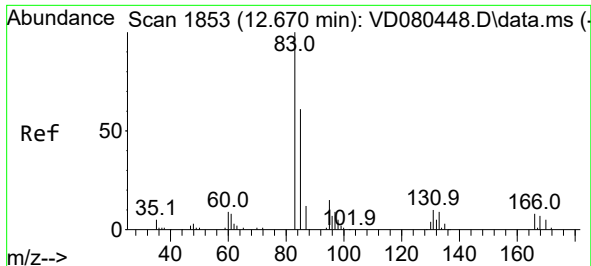
Tgt Ion:104 Resp: 31068

Ion Ratio Lower Upper

104 100

78 46.1 30.0 55.8





#57

1,1,2,2-Tetrachloroethane

Concen: 4.94 ug/L

RT: 12.664 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTD005883

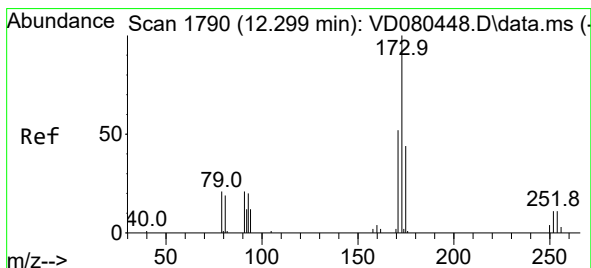
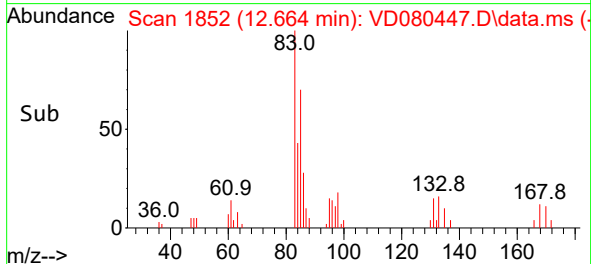
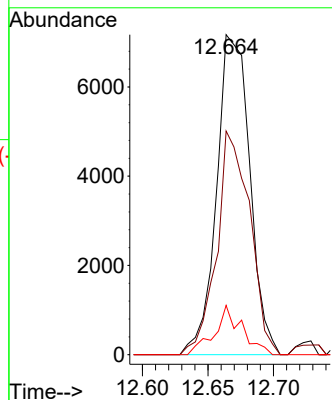
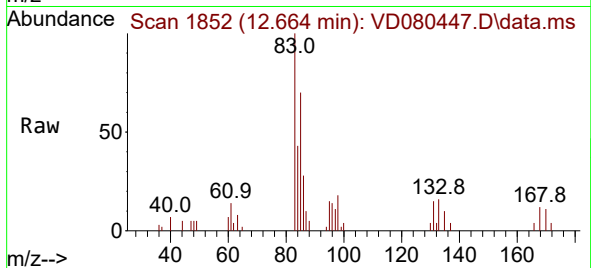
Tgt Ion: 83 Resp: 12643

Ion Ratio Lower Upper

83 100

85 69.9 42.8 79.6

131 15.4 7.8 11.8#



#59

Bromoform

Concen: 5.01 ug/L

RT: 12.293 min Scan# 1789

Delta R.T. -0.006 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

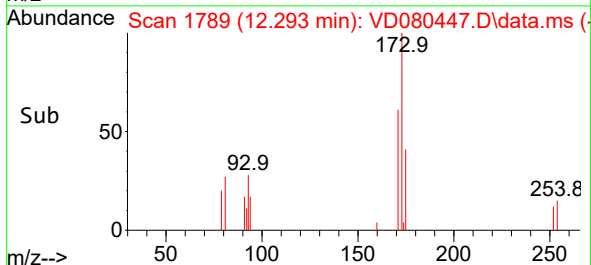
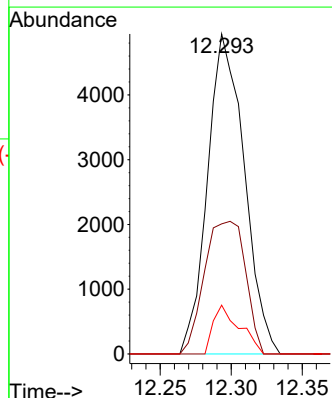
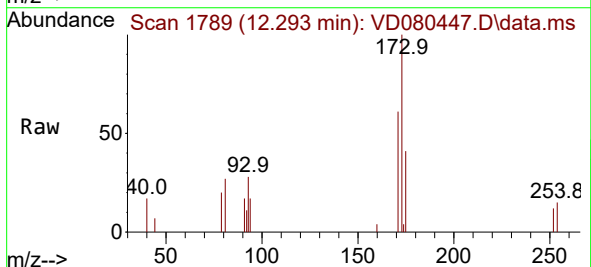
Tgt Ion:173 Resp: 8876

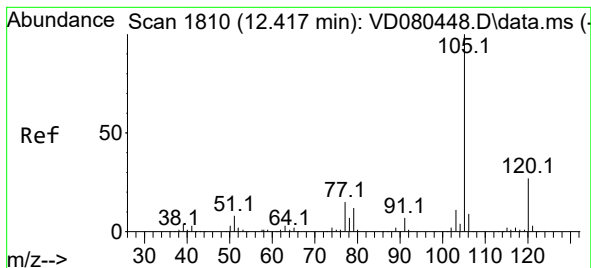
Ion Ratio Lower Upper

173 100

175 46.4 38.2 57.4

254 11.0 9.0 13.4





#60

Isopropylbenzene

Concen: 4.41 ug/L

RT: 12.417 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

Instrument :

MSVOA_D

ClientSampleId :

VSTD005883

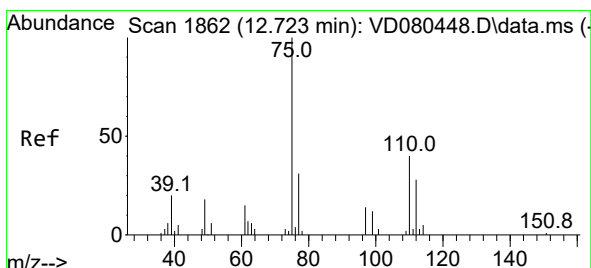
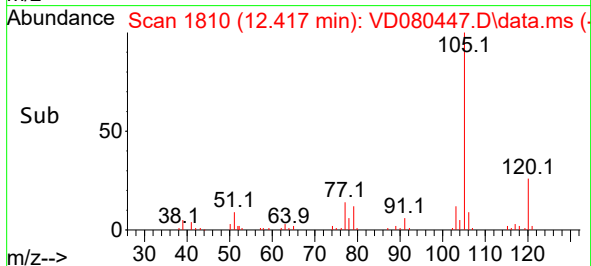
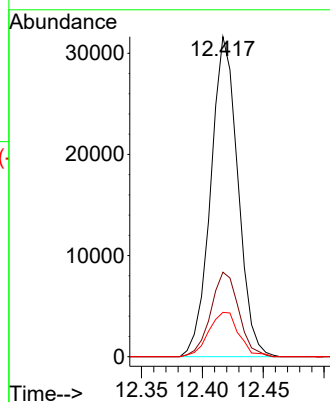
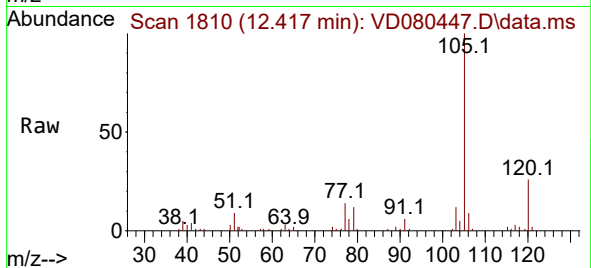
Tgt Ion:105 Resp: 49217

Ion Ratio Lower Upper

105 100

120 27.1 22.1 33.1

77 15.2 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 5.23 ug/L

RT: 12.723 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VD080447.D

Acq: 18 Jun 2025 10:02

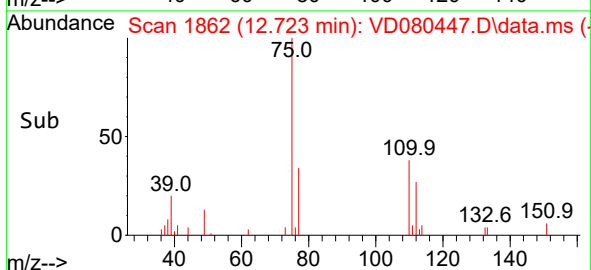
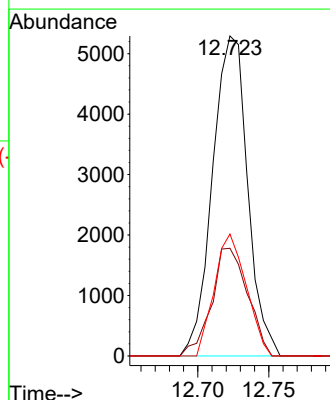
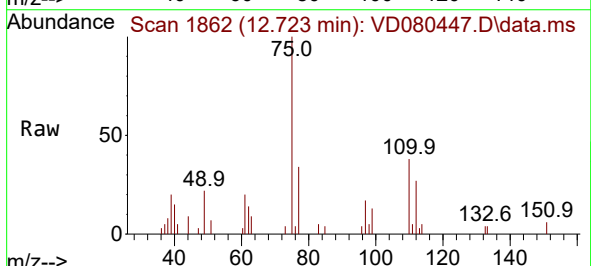
Tgt Ion: 75 Resp: 9095

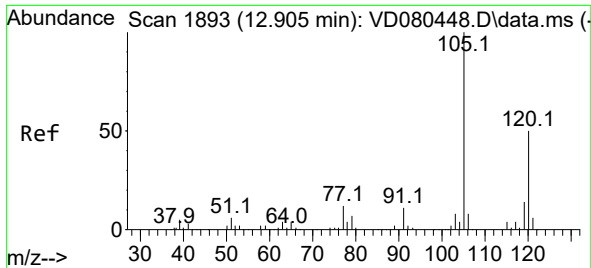
Ion Ratio Lower Upper

75 100

77 34.6 26.8 40.2

110 34.6 33.0 49.4

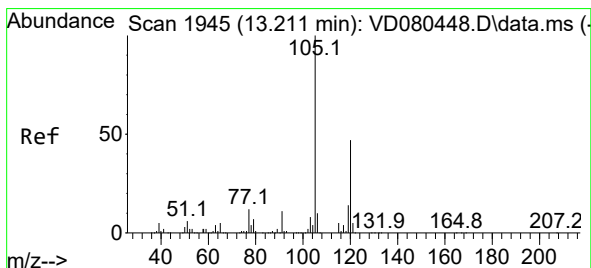
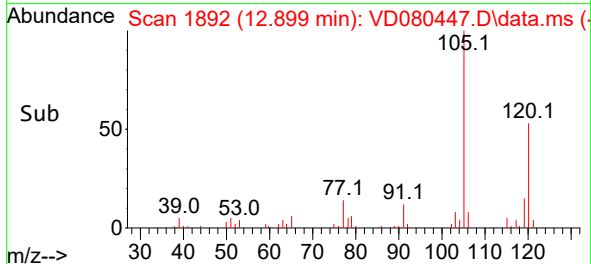
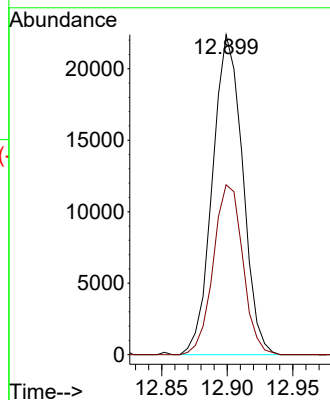
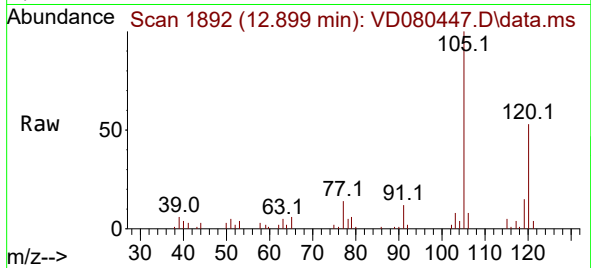




#62
 1,3,5-Trimethylbenzene
 Concen: 4.11 ug/L
 RT: 12.899 min Scan# 1892
 Delta R.T. -0.006 min
 Lab File: VD080447.D
 Acq: 18 Jun 2025 10:02

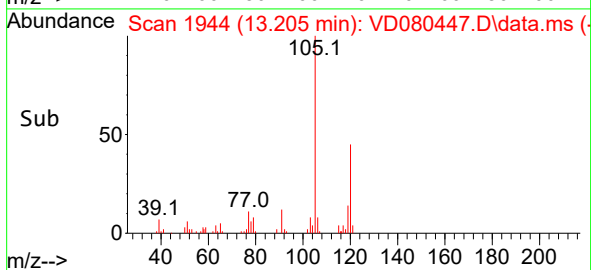
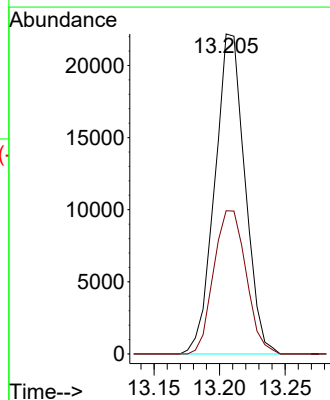
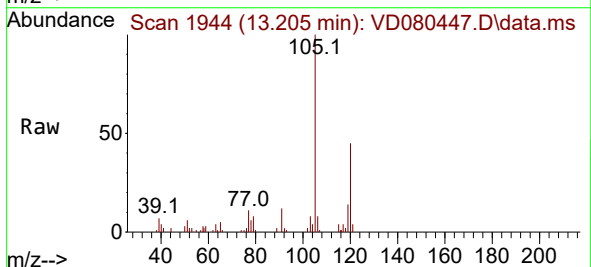
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005883

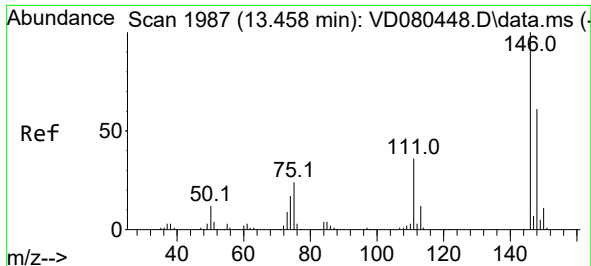
Tgt Ion:105 Resp: 35749
 Ion Ratio Lower Upper
 105 100
 120 52.0 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 4.12 ug/L
 RT: 13.205 min Scan# 1944
 Delta R.T. -0.006 min
 Lab File: VD080447.D
 Acq: 18 Jun 2025 10:02

Tgt Ion:105 Resp: 35430
 Ion Ratio Lower Upper
 105 100
 120 48.1 37.5 56.3

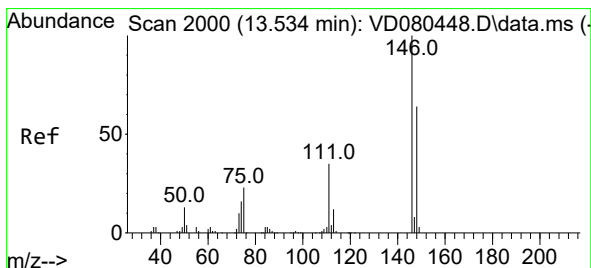
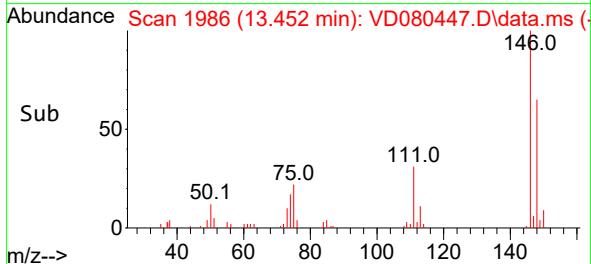
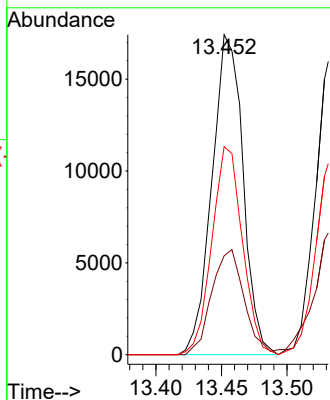
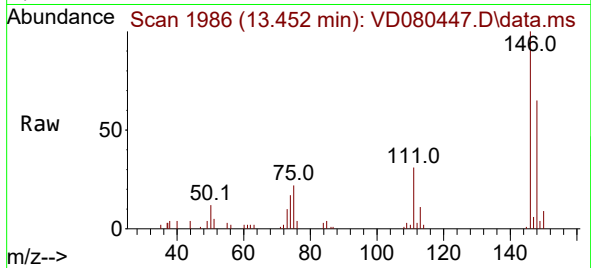




#64
1,3-Dichlorobenzene
Concen: 4.93 ug/L
RT: 13.452 min Scan# 1986
Delta R.T. -0.006 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

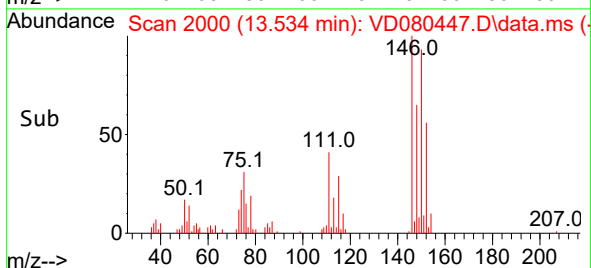
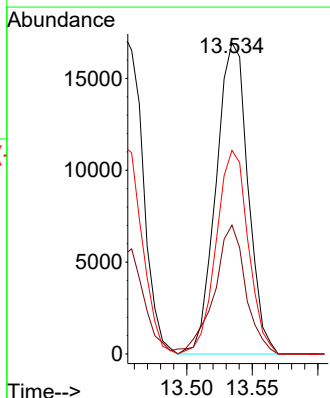
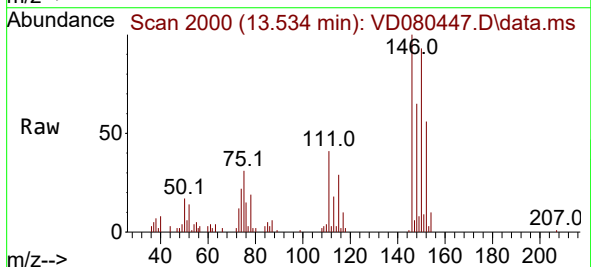
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

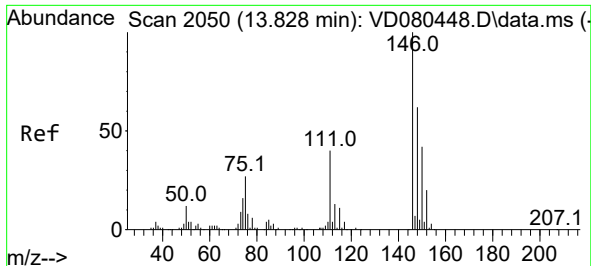
Tgt Ion:146 Resp: 28720
Ion Ratio Lower Upper
146 100
111 30.9 25.4 47.2
148 65.0 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 4.74 ug/L
RT: 13.534 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion:146 Resp: 28695
Ion Ratio Lower Upper
146 100
111 41.4 24.5 45.5
148 65.4 44.6 82.8

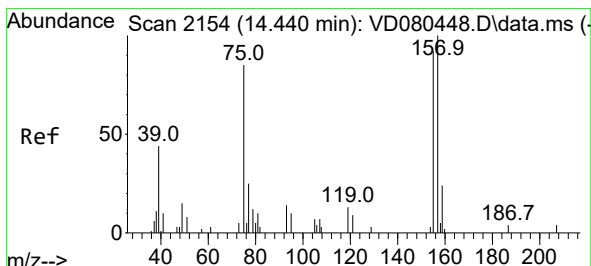
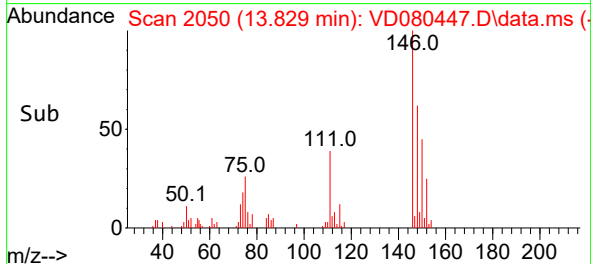
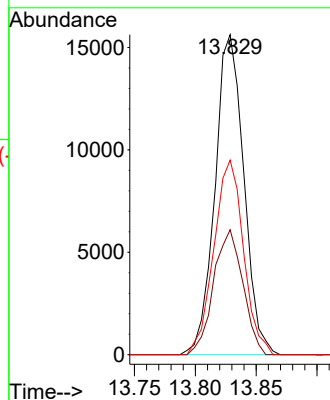
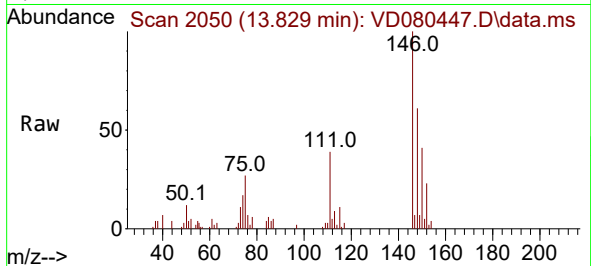




#67
1,2-Dichlorobenzene
Concen: 4.76 ug/L
RT: 13.829 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

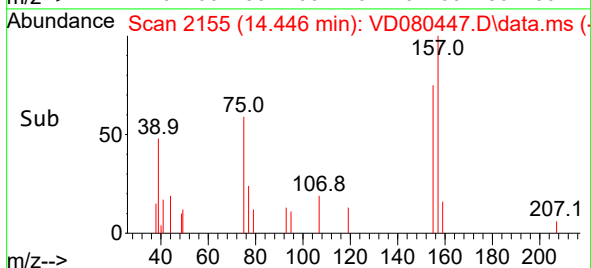
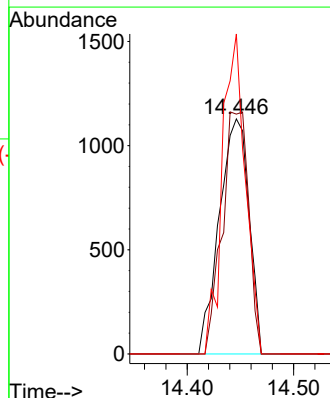
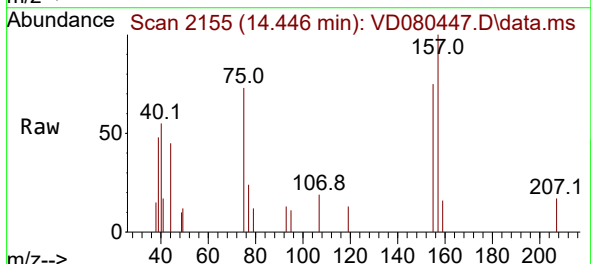
Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

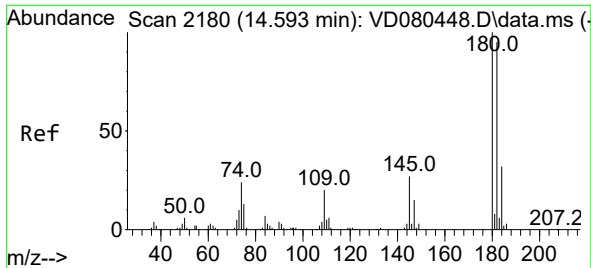
Tgt Ion:146 Resp: 25732
Ion Ratio Lower Upper
146 100
111 39.1 32.0 48.0
148 60.8 49.7 74.5



#68
1,2-Dibromo-3-chloropropane
Concen: 5.54 ug/L
RT: 14.446 min Scan# 2155
Delta R.T. 0.006 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion: 75 Resp: 2182
Ion Ratio Lower Upper
75 100
155 102.0 86.2 129.2
157 136.2 94.0 141.0

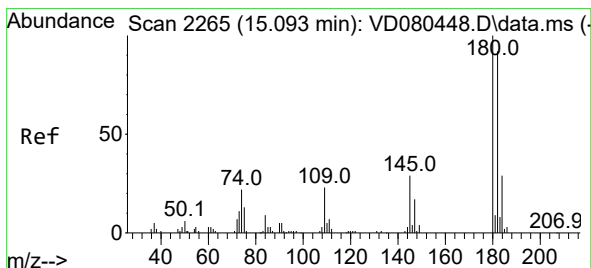
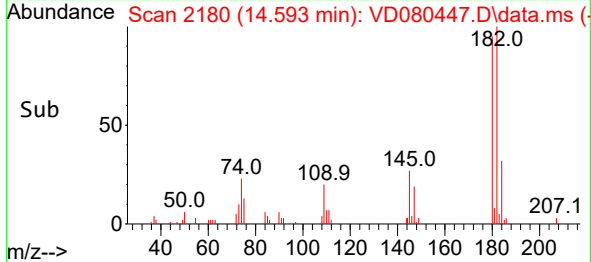
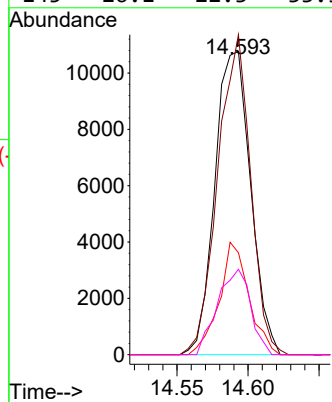
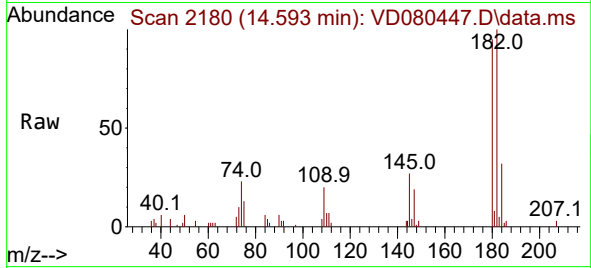




#69
 1,3,5-Trichlorobenzene
 Concen: 4.70 ug/L
 RT: 14.593 min Scan# 2180
 Delta R.T. 0.000 min
 Lab File: VD080447.D
 Acq: 18 Jun 2025 10:02

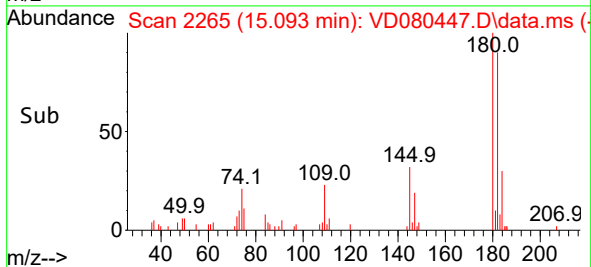
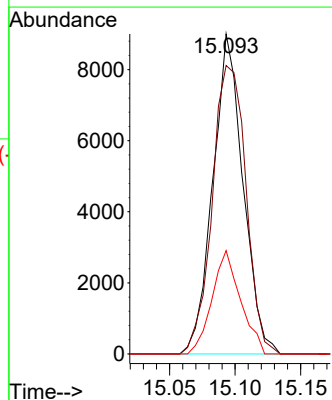
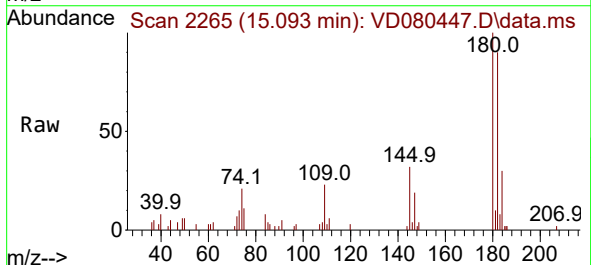
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005883

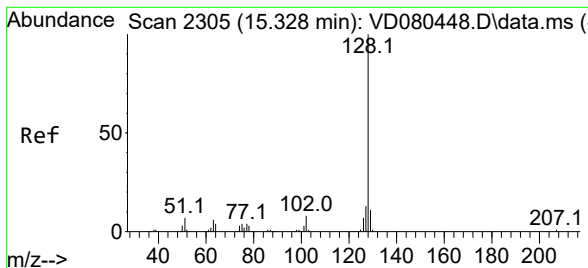
Tgt Ion:	180	Resp:	18827
Ion Ratio	Lower	Upper	
180	100		
182	96.4	77.0	115.4
184	30.9	24.9	37.3
145	26.1	22.3	33.5



#70
 1,2,4-trichlorobenzene
 Concen: 4.28 ug/L
 RT: 15.093 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: VD080447.D
 Acq: 18 Jun 2025 10:02

Tgt Ion:	180	Resp:	14405
Ion Ratio	Lower	Upper	
180	100		
182	100.6	76.0	114.0
145	30.5	22.2	33.4

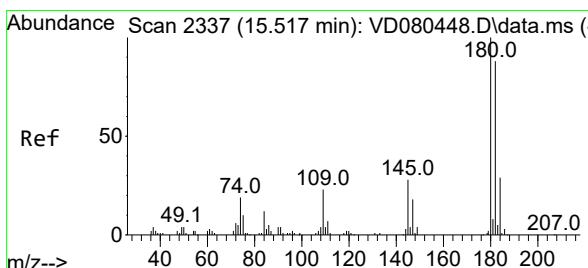
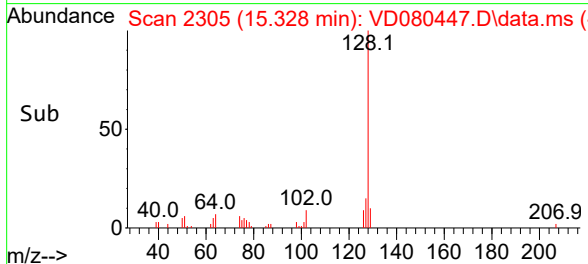
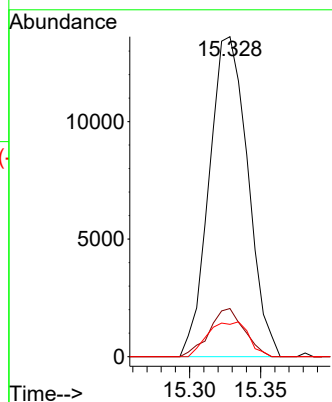
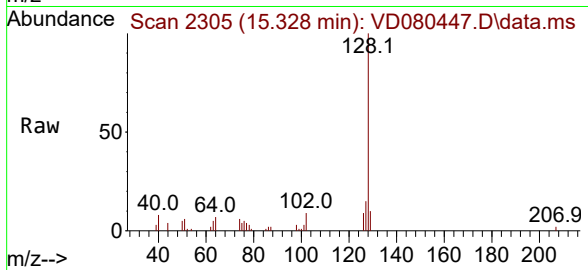




#71
Naphthalene
Concen: 4.30 ug/L
RT: 15.328 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Instrument :
MSVOA_D
ClientSampleId :
VSTD005883

Tgt Ion:128 Resp: 25711
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.6
129 11.5 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 4.45 ug/L
RT: 15.523 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD080447.D
Acq: 18 Jun 2025 10:02

Tgt Ion:180 Resp: 13866
Ion Ratio Lower Upper
180 100
182 96.5 74.7 112.1
145 29.6 24.2 36.4

