

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080274.D
 Acq On : 18 Mar 2025 10:35
 Operator : RP/MD
 Sample : VSTD2.569
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5870

Quant Time: Mar 24 09:10:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 09:08:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	165050	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	159709	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	75590	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	16673	3.07	ug/L	0.00
7) Chloroethane-d5	2.793	69	13518	2.79	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.911	65	2044	1.78	ug/L	0.00
21) 2-Butanone-d5	6.993	46	1984	3.39	ug/L	0.00
24) Chloroform-d	7.569	84	12978	2.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	6778	2.44	ug/L	0.00
32) Benzene-d6	8.199	84	22361	2.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.204	67	7838	2.60	ug/L	0.00
41) Toluene-d8	10.263	98	18725	2.22	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.516	79	3099	2.50	ug/L	0.00
47) 2-Hexanone-d5	10.869	63	1552	3.56	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.645	84	6447	2.41	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	6332	2.39	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	7781	2.54	ug/L	93
3) Chloromethane	2.146	50	12833	2.59	ug/L	94
5) Vinyl chloride	2.275	62	16027	2.49	ug/L	97
6) Bromomethane	2.687	94	7391	2.20	ug/L	83
8) Chloroethane	2.834	64	10869	2.49	ug/L	94
9) Trichlorofluoromethane	3.169	101	11965	2.49	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	6984	2.46	ug/L #	80
12) 1,1-Dichloroethene	3.934	96	4108	1.70	ug/L #	74
13) Acetone	4.034	43	3074	5.01	ug/L	85
14) Carbon disulfide	4.263	76	20531	2.29	ug/L #	95
15) Methyl Acetate	4.558	43	1128	0.82	ug/L #	69
16) Methylene chloride	4.799	84	9037	2.80	ug/L	87
17) trans-1,2-Dichloroethene	5.305	96	3496	1.34	ug/L	81
18) Methyl tert-butyl Ether	5.322	73	7326	1.33	ug/L #	71
19) 1,1-Dichloroethane	6.110	63	12093	2.33	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	6438	2.28	ug/L	89
22) 2-Butanone	7.099	43	3524	4.44	ug/L	95
23) Bromochloromethane	7.422	128	3319	2.46	ug/L #	87
25) Chloroform	7.593	83	13529	2.46	ug/L	94
27) 1,2-Dichloroethane	8.328	62	8238	2.40	ug/L	95
29) Cyclohexane	7.875	56	8421	2.24	ug/L #	87
30) 1,1,1-Trichloroethane	7.793	97	11366	2.71	ug/L	91
31) Carbon tetrachloride	7.999	117	9560	2.59	ug/L	96
33) Benzene	8.246	78	23112	2.23	ug/L	100
34) Trichloroethene	9.022	95	7654	2.76	ug/L #	71
35) Methylcyclohexane	9.269	83	8462	2.16	ug/L	93
37) 1,2-Dichloropropane	9.304	63	7470	2.48	ug/L	98
38) Bromodichloromethane	9.587	83	9039	2.37	ug/L #	85
39) cis-1,3-Dichloropropene	10.016	75	9263	2.12	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	5693	3.57	ug/L #	89
42) Toluene	10.334	91	23500	2.12	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	7300	2.00	ug/L	93

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

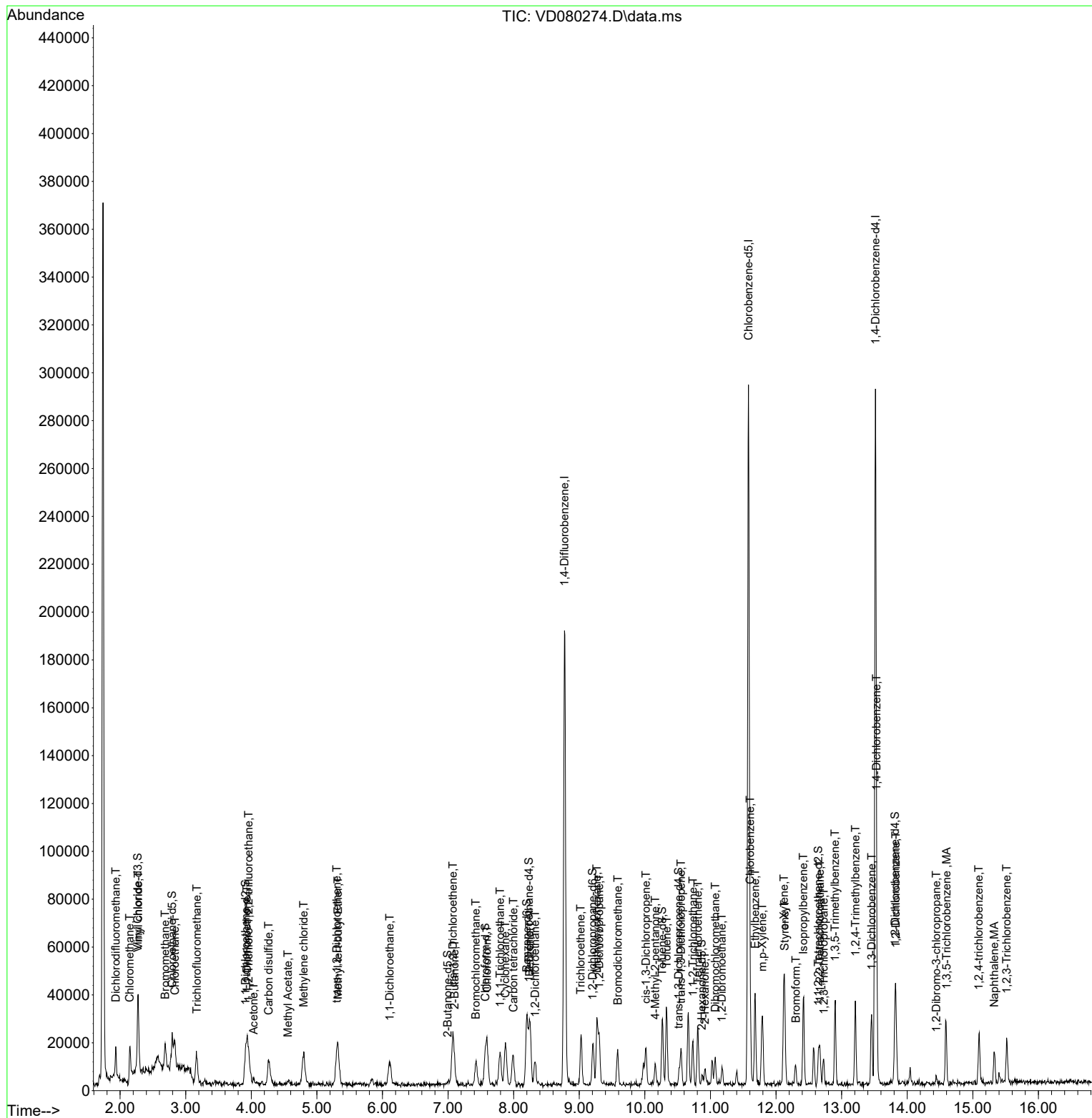
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	5141	2.28	ug/L	89
46) Tetrachloroethene	10.810	164	5414	2.51	ug/L	83
48) 2-Hexanone	10.916	43	4714	4.17	ug/L #	83
49) Dibromochloromethane	11.075	129	5812	2.28	ug/L	91
50) 1,2-Dibromoethane	11.175	107	4184	2.09	ug/L #	92
51) Chlorobenzene	11.604	112	16626	2.26	ug/L	92
52) Ethylbenzene	11.681	91	25552	2.12	ug/L	99
53) m,p-Xylene	11.792	106	8751	1.96	ug/L	100
54) o-Xylene	12.122	106	8845	2.09	ug/L	83
55) Styrene	12.134	104	14365	1.87	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.669	83	6314	2.31	ug/L	89
59) Bromoform	12.304	173	3211	2.29	ug/L #	96
60) Isopropylbenzene	12.416	105	21402	2.10	ug/L	94
61) 1,2,3-Trichloropropane	12.728	75	4149	2.48	ug/L #	90
62) 1,3,5-Trimethylbenzene	12.898	105	16675	2.08	ug/L	93
63) 1,2,4-Trimethylbenzene	13.210	105	16817	2.06	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	11705	2.30	ug/L	93
65) 1,4-Dichlorobenzene	13.534	146	13404	2.45	ug/L	90
67) 1,2-Dichlorobenzene	13.828	146	10999	2.34	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	1008	2.54	ug/L #	64
69) 1,3,5-Trichlorobenzene	14.598	180	7945	2.38	ug/L	97
70) 1,2,4-trichlorobenzene	15.092	180	6929	2.49	ug/L	98
71) Naphthalene	15.328	128	10801	2.06	ug/L #	93
72) 1,2,3-Trichlorobenzene	15.516	180	5800	2.31	ug/L	99

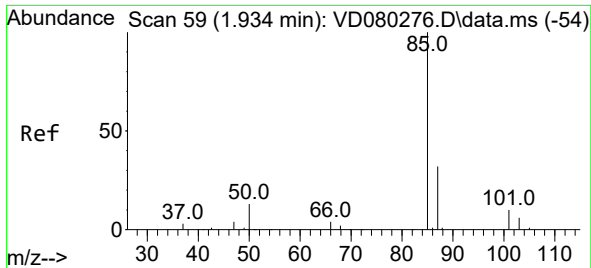
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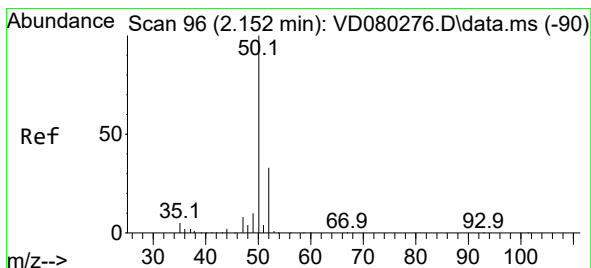
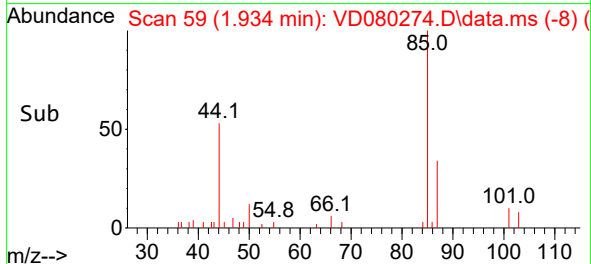
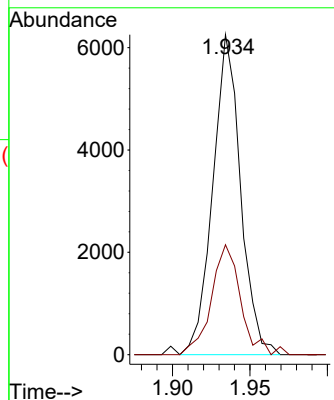
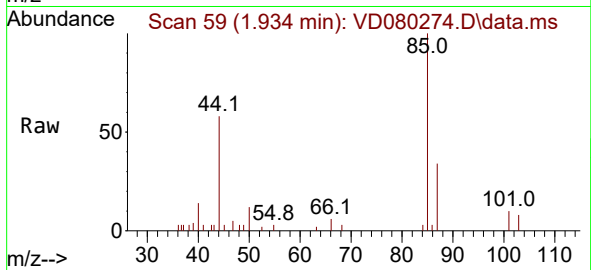




#2
 Dichlorodifluoromethane
 Concen: 2.54 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD080274.D
 Acq: 18 Mar 2025 10:35

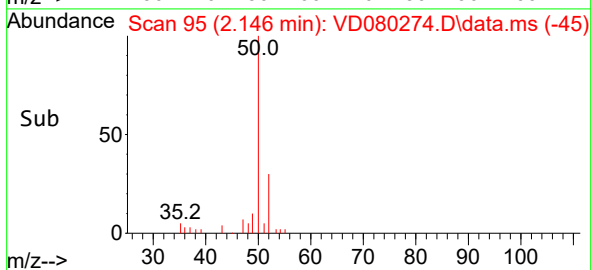
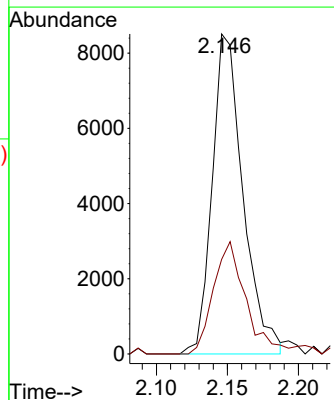
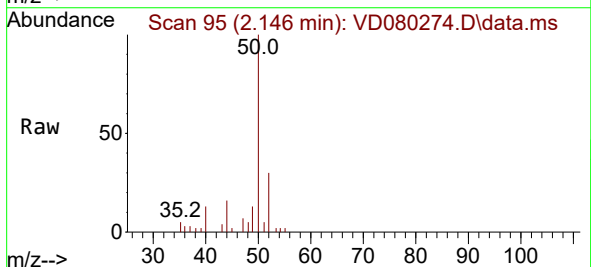
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 ClientSampleId :
 VSTD2.5870

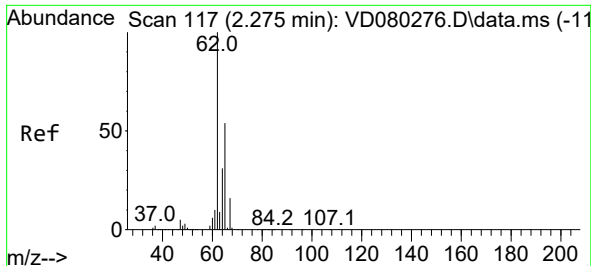
Tgt Ion: 85 Resp: 7781
 Ion Ratio Lower Upper
 85 100
 87 35.8 25.6 38.4



#3
 Chloromethane
 Concen: 2.59 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.006 min
 Lab File: VD080274.D
 Acq: 18 Mar 2025 10:35

Tgt Ion: 50 Resp: 12833
 Ion Ratio Lower Upper
 50 100
 52 29.5 23.1 42.9

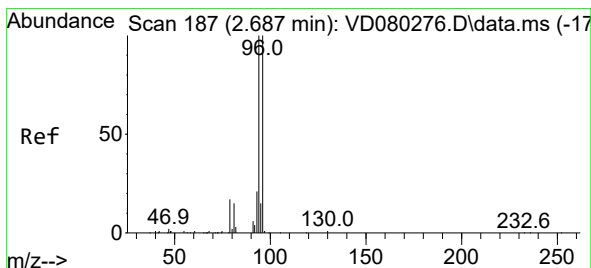
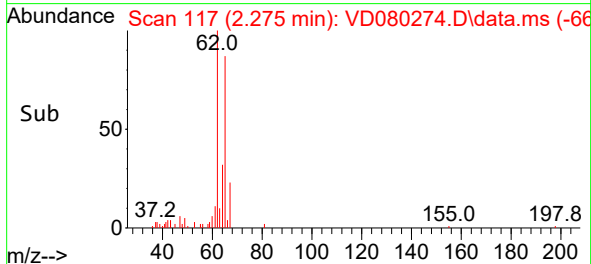
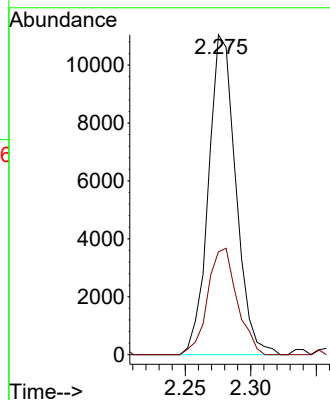
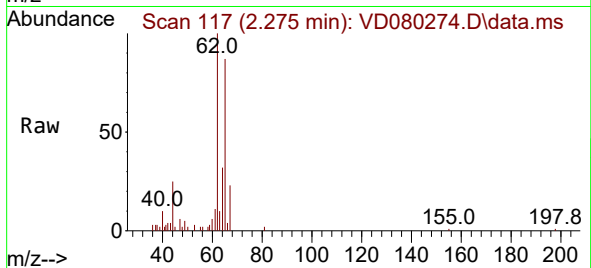




#5
 Vinyl chloride
 Concen: 2.49 ug/L
 RT: 2.275 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: VD080274.D
 Acq: 18 Mar 2025 10:35

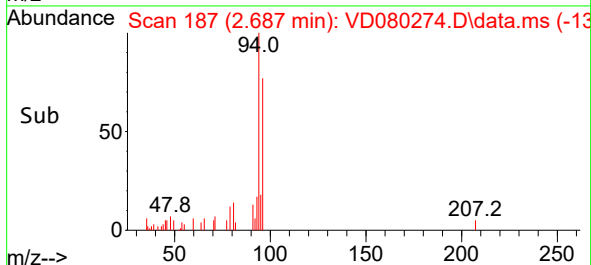
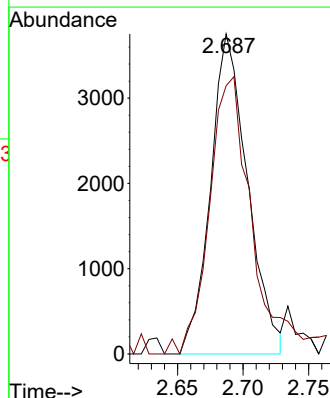
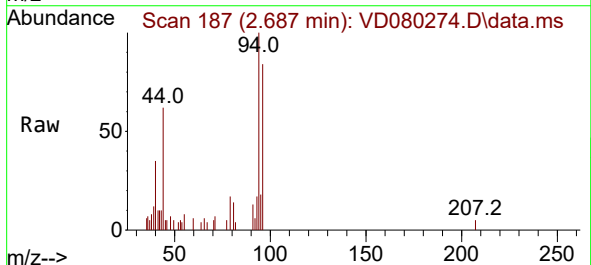
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 ClientSampleId :
 VSTD2.5870

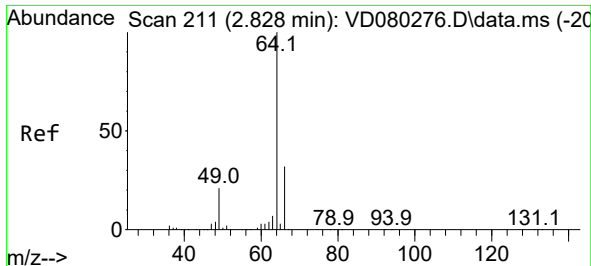
Tgt Ion: 62 Resp: 16027
 Ion Ratio Lower Upper
 62 100
 64 32.2 21.3 39.6



#6
 Bromomethane
 Concen: 2.20 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. 0.000 min
 Lab File: VD080274.D
 Acq: 18 Mar 2025 10:35

Tgt Ion: 94 Resp: 7391
 Ion Ratio Lower Upper
 94 100
 96 83.8 70.3 130.5





#8

Chloroethane

Concen: 2.49 ug/L

RT: 2.834 min Scan# 211

Delta R.T. 0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Instrument :

MSVOA_D

ClientSampleId :

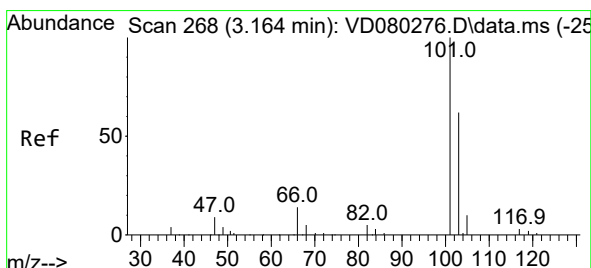
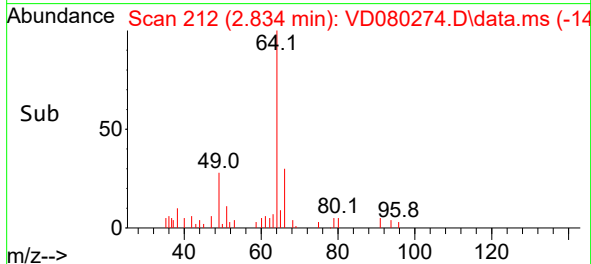
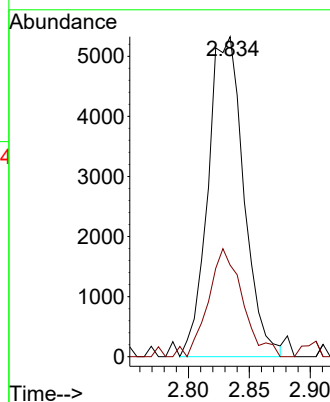
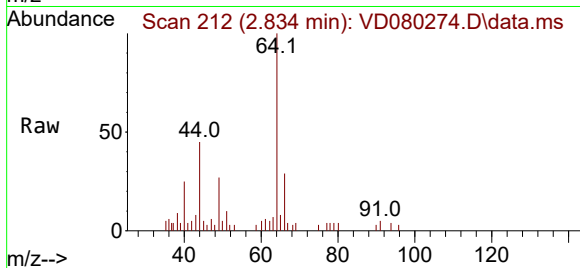
VSTD2.5870

Tgt Ion: 64 Resp: 10869

Ion Ratio Lower Upper

64 100

66 28.6 22.3 41.3



#9

Trichlorofluoromethane

Concen: 2.49 ug/L

RT: 3.169 min Scan# 269

Delta R.T. 0.006 min

Lab File: VD080274.D

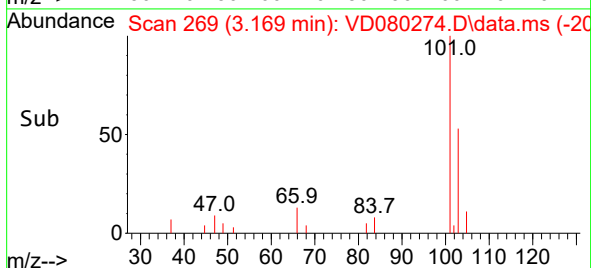
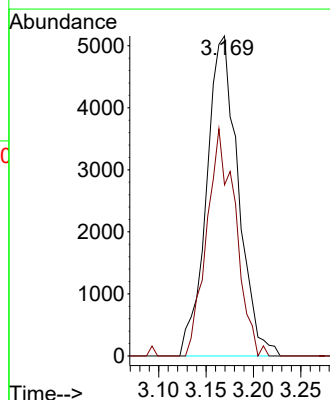
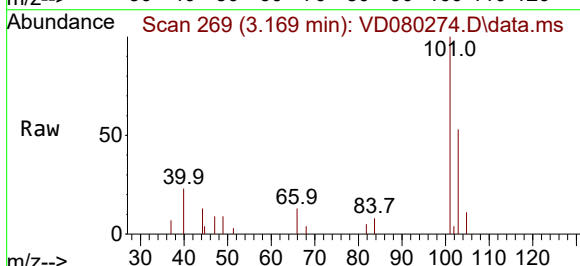
Acq: 18 Mar 2025 10:35

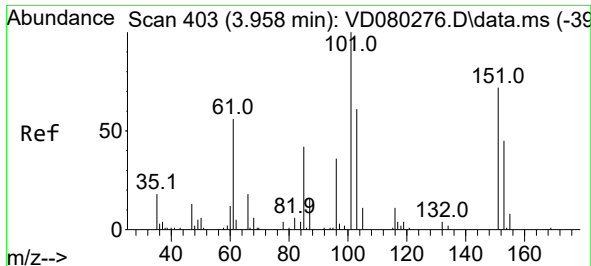
Tgt Ion:101 Resp: 11965

Ion Ratio Lower Upper

101 100

103 64.3 52.0 78.0

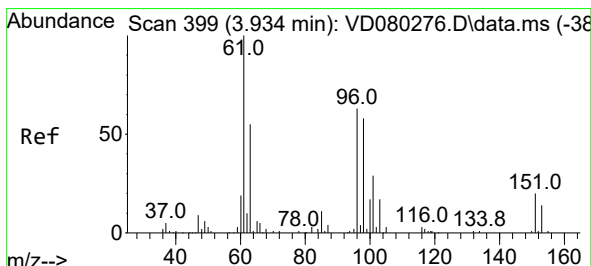
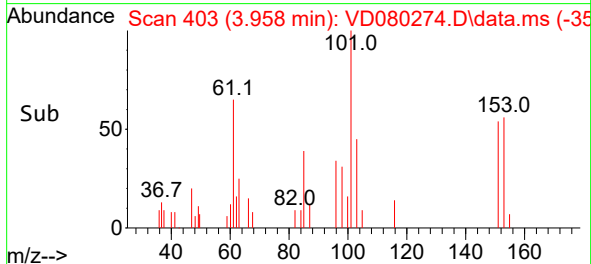
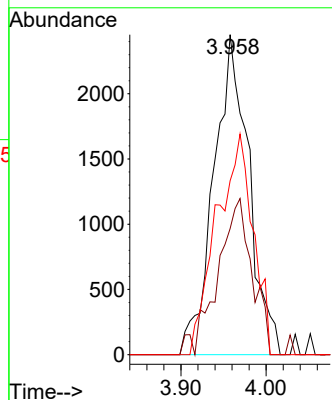
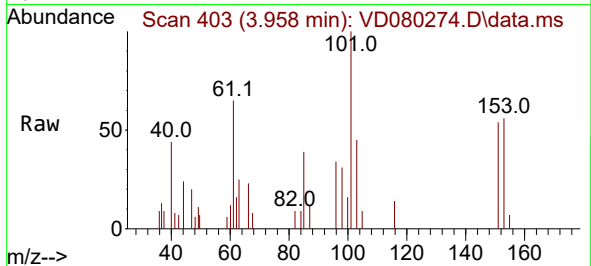




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.46 ug/L
 RT: 3.958 min Scan# 403
 Delta R.T. 0.000 min
 Lab File: VD080274.D
 Acq: 18 Mar 2025 10:35

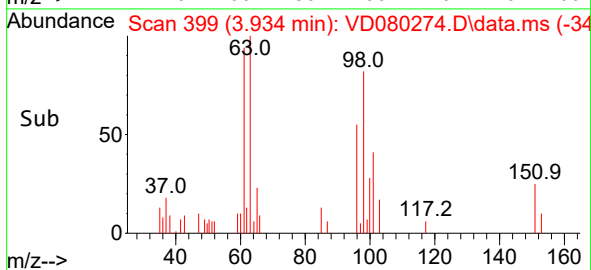
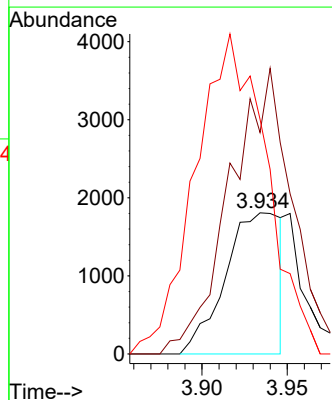
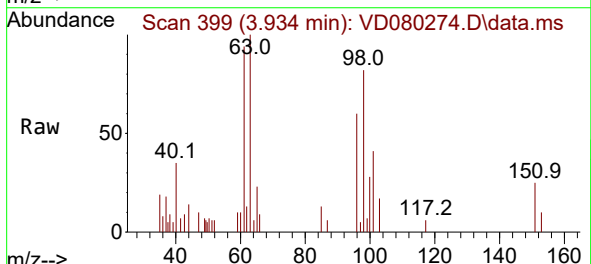
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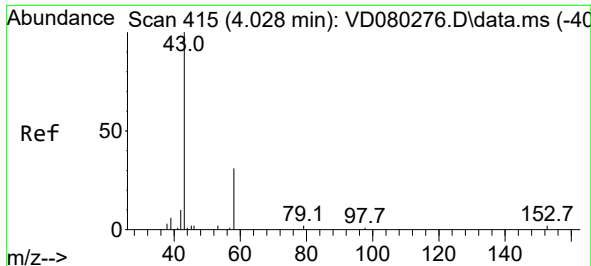
Tgt Ion:101 Resp: 6984
 Ion Ratio Lower Upper
 101 100
 85 42.3 35.7 53.5
 151 45.2 55.6 83.4#



#12
 1,1-Dichloroethene
 Concen: 1.70 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VD080274.D
 Acq: 18 Mar 2025 10:35

Tgt Ion: 96 Resp: 4108
 Ion Ratio Lower Upper
 96 100
 61 156.9 112.5 208.9
 63 166.3 71.3 132.5#

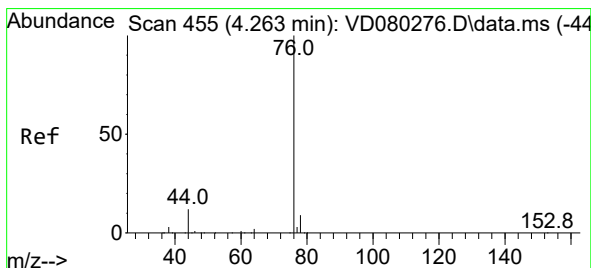
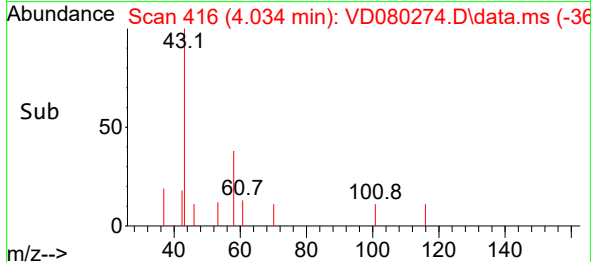
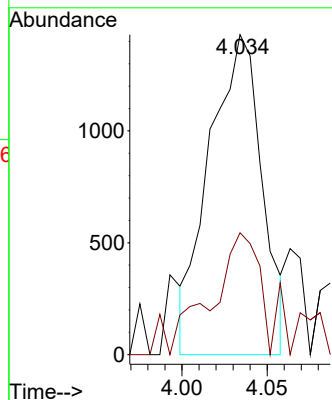
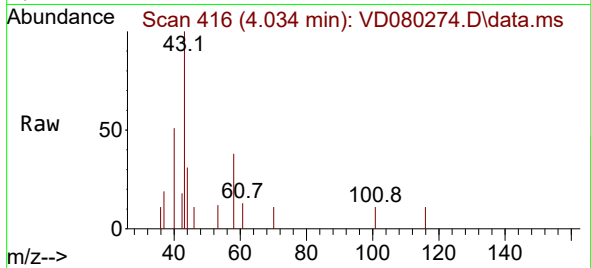




#13
Acetone
Concen: 5.01 ug/L
RT: 4.034 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

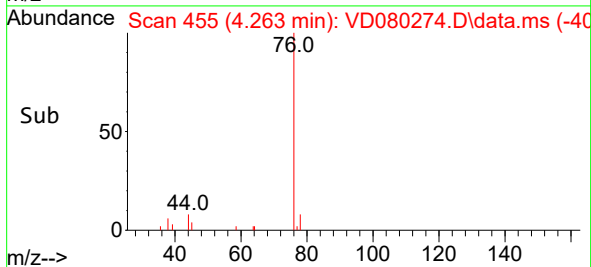
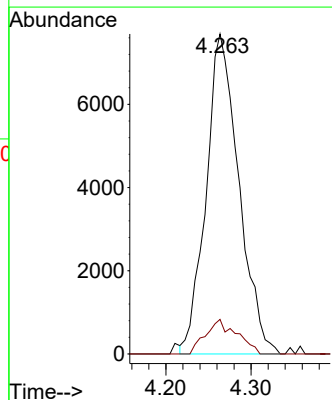
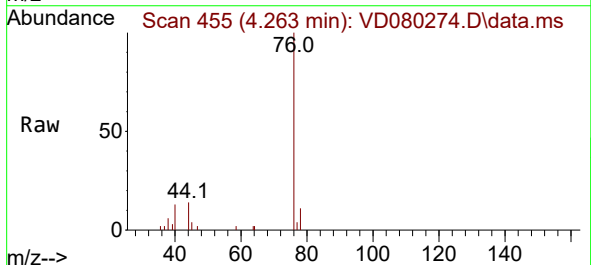
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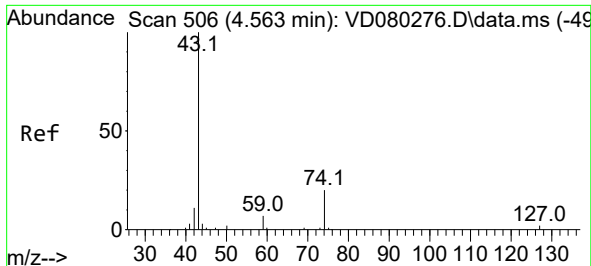
Tgt Ion: 43 Resp: 3074
Ion Ratio Lower Upper
43 100
58 24.3 0.0 65.2



#14
Carbon disulfide
Concen: 2.29 ug/L
RT: 4.263 min Scan# 455
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion: 76 Resp: 20531
Ion Ratio Lower Upper
76 100
78 10.8 7.2 10.8#

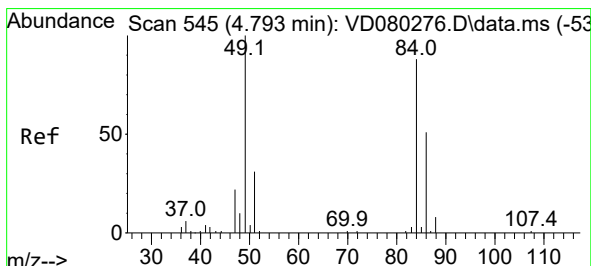
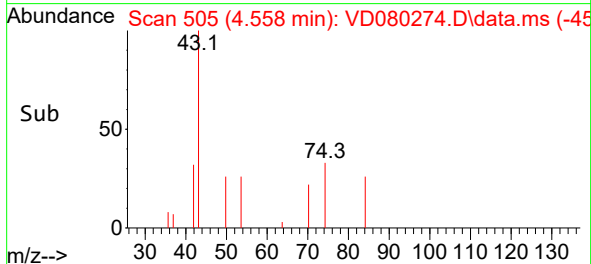
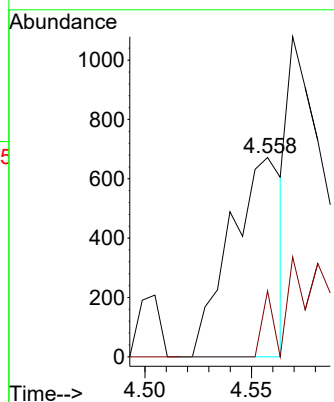
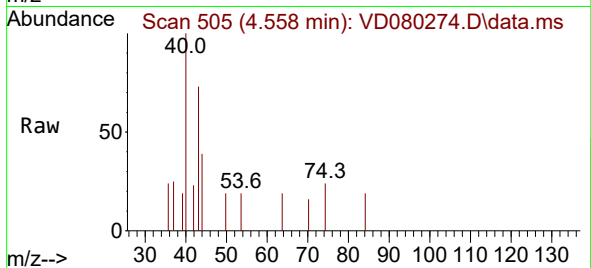




#15
Methyl Acetate
Concen: 0.82 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

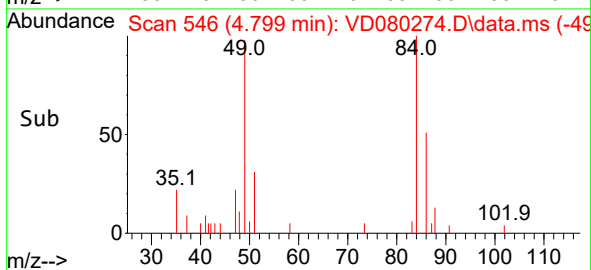
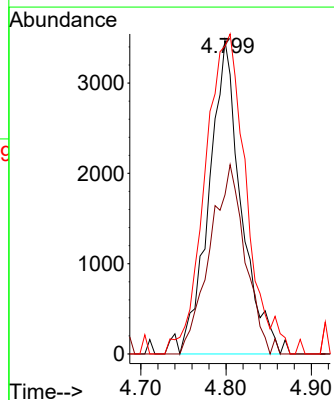
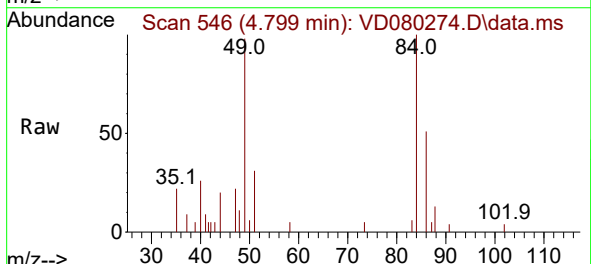
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

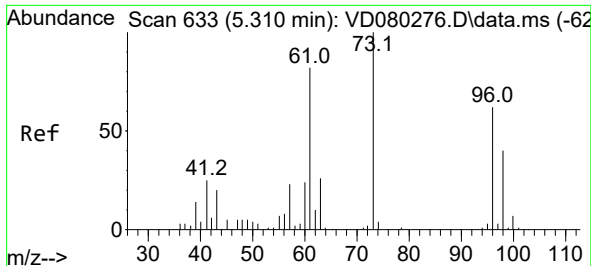
Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
74 6.9 17.2 25.8#



#16
Methylene chloride
Concen: 2.80 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion: 84 Resp: 9037
Ion Ratio Lower Upper
84 100
86 50.9 40.9 75.9
49 98.3 79.7 147.9

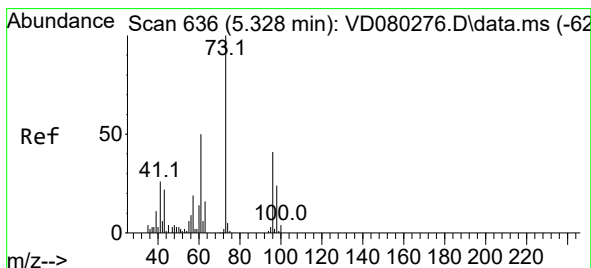
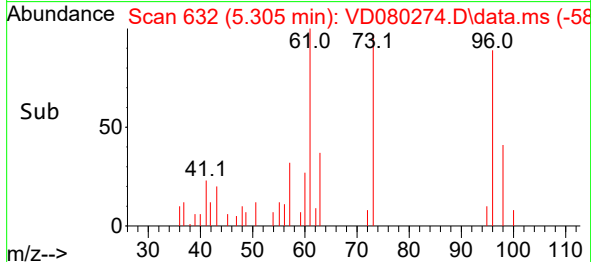
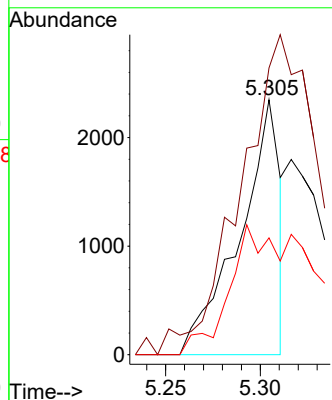
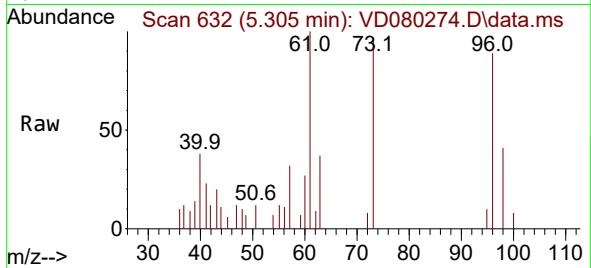




#17
trans-1,2-Dichloroethene
Concen: 1.34 ug/L
RT: 5.305 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

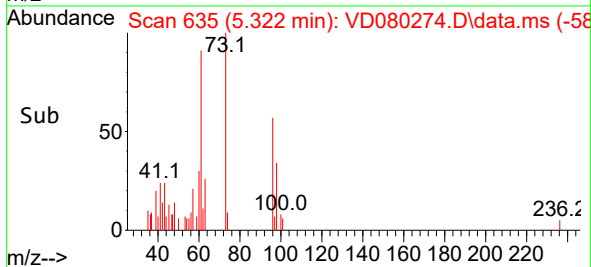
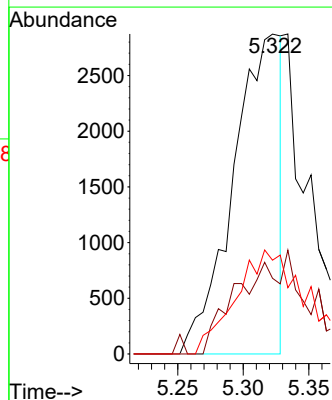
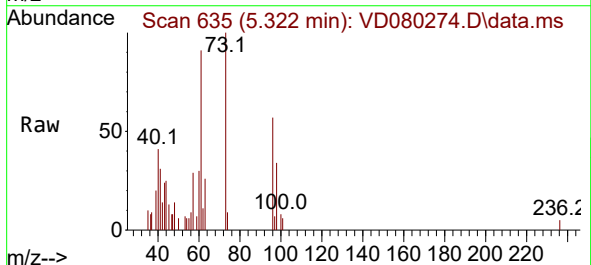
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

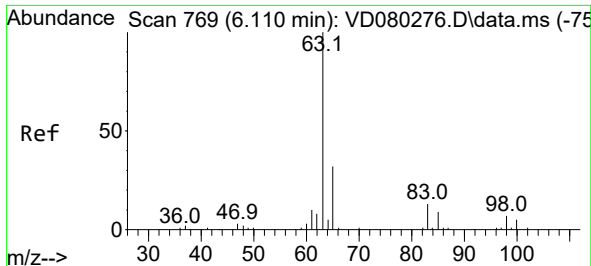
Tgt Ion: 96 Resp: 3496
Ion Ratio Lower Upper
96 100
61 112.4 92.4 171.6
98 45.8 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 1.33 ug/L
RT: 5.322 min Scan# 635
Delta R.T. -0.006 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion: 73 Resp: 7326
Ion Ratio Lower Upper
73 100
43 13.5 17.2 25.8#
57 42.9 18.8 28.2#





#19

1,1-Dichloroethane

Concen: 2.33 ug/L

RT: 6.110 min Scan# 769

Delta R.T. 0.000 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5870

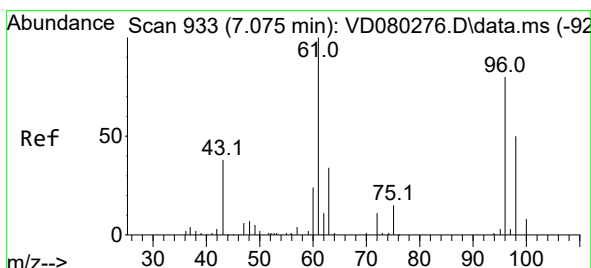
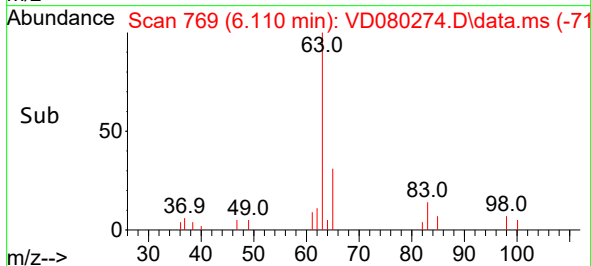
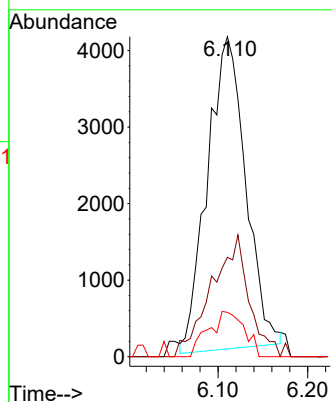
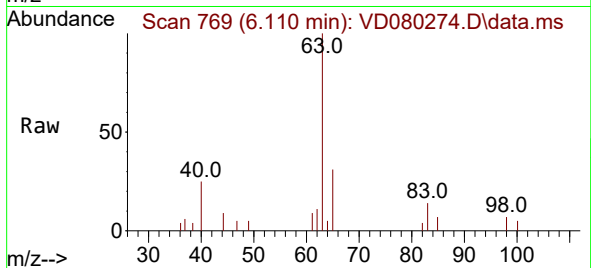
Tgt Ion: 63 Resp: 12093

Ion Ratio Lower Upper

63 100

65 31.1 22.4 41.6

83 13.9 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 2.28 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

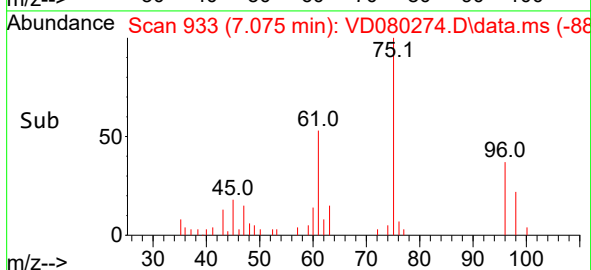
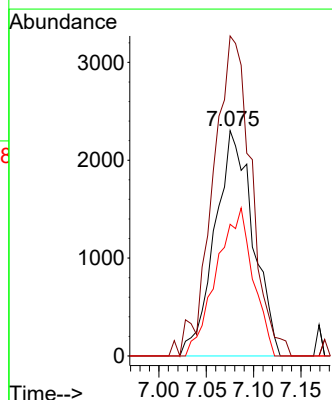
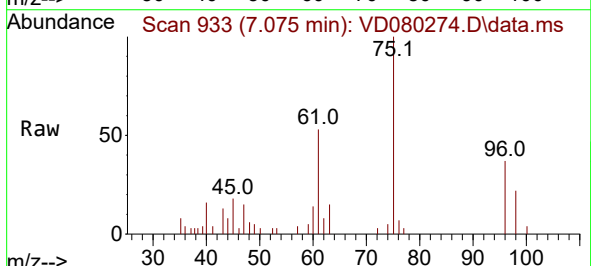
Tgt Ion: 96 Resp: 6438

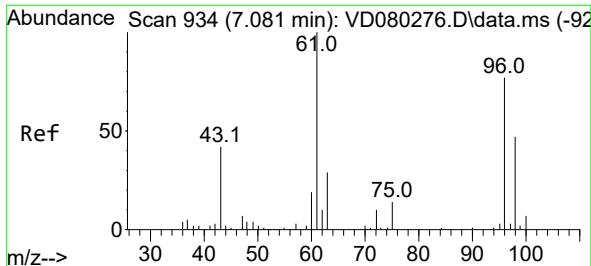
Ion Ratio Lower Upper

96 100

61 142.1 87.8 163.0

98 58.4 43.7 81.1

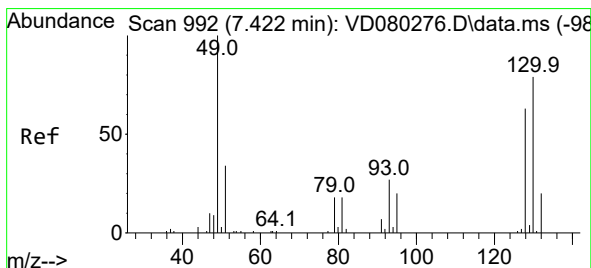
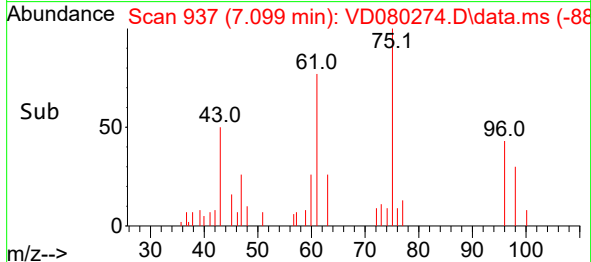
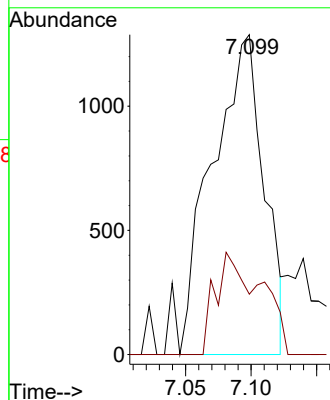
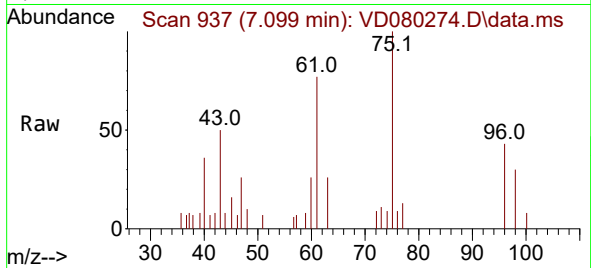




#22
2-Butanone
Concen: 4.44 ug/L
RT: 7.099 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

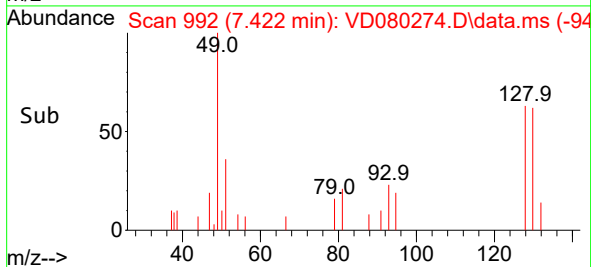
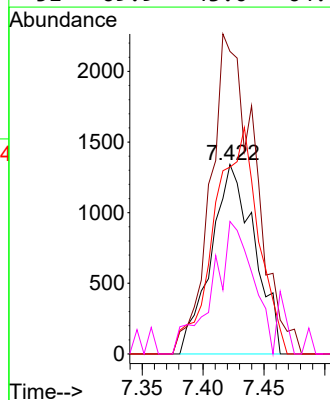
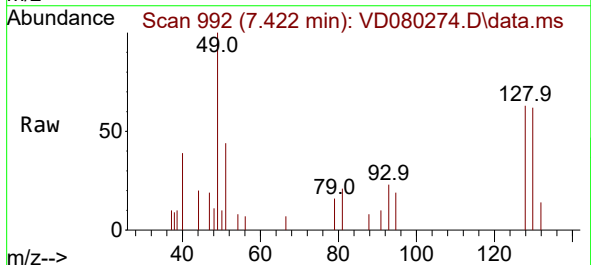
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

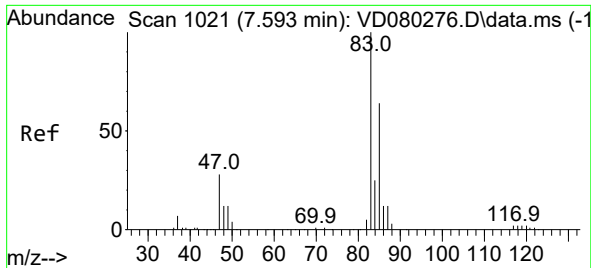
Tgt Ion: 43 Resp: 3524
Ion Ratio Lower Upper
43 100
72 9.9 5.9 17.8



#23
Bromochloromethane
Concen: 2.46 ug/L
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion:128 Resp: 3319
Ion Ratio Lower Upper
128 100
49 159.7 112.6 209.0
130 98.7 89.7 166.5
51 69.9 43.0 64.6#

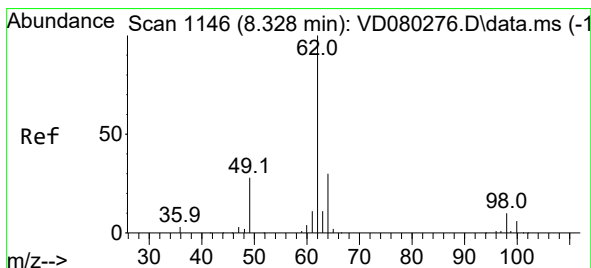
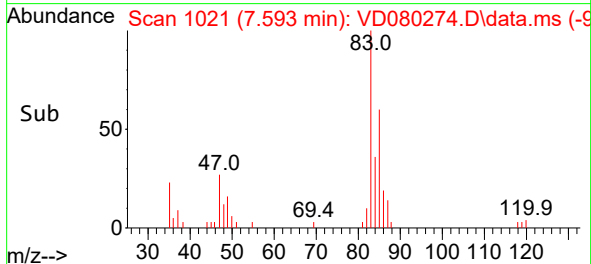
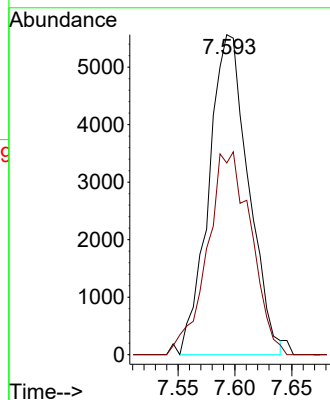
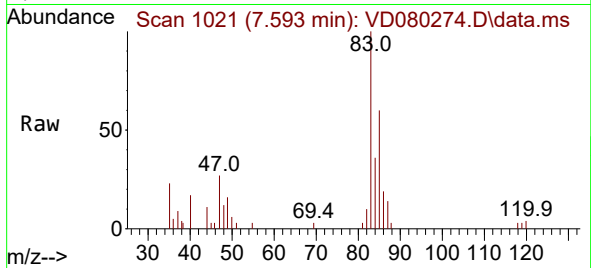




#25
Chloroform
Concen: 2.46 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

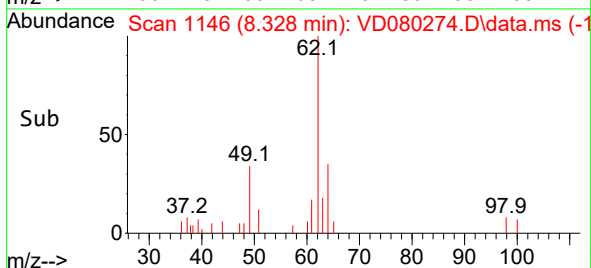
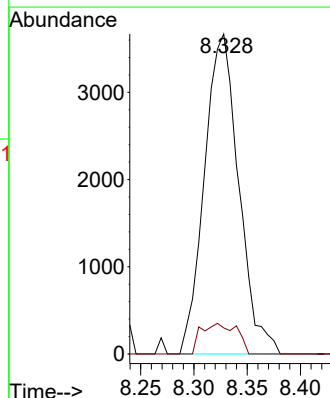
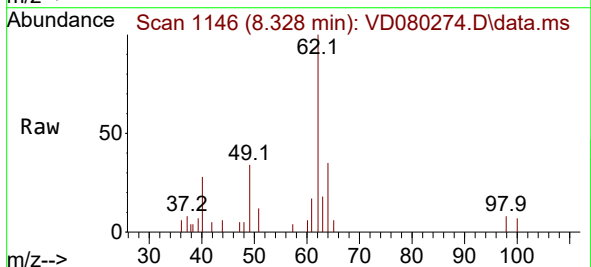
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

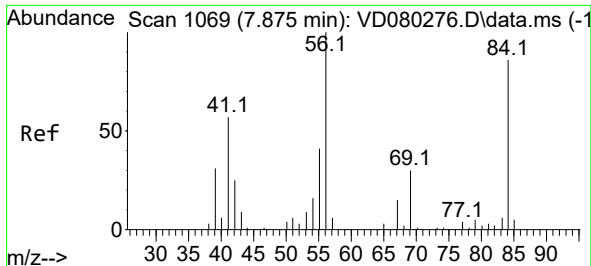
Tgt Ion: 83 Resp: 13529
Ion Ratio Lower Upper
83 100
85 59.9 45.1 83.7



#27
1,2-Dichloroethane
Concen: 2.40 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion: 62 Resp: 8238
Ion Ratio Lower Upper
62 100
98 8.2 8.2 12.2





#29

Cyclohexane

Concen: 2.24 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5870

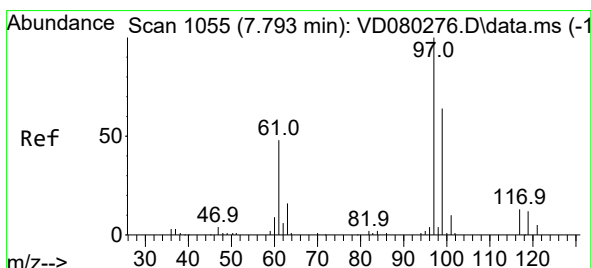
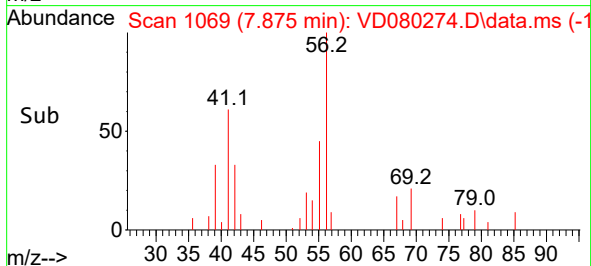
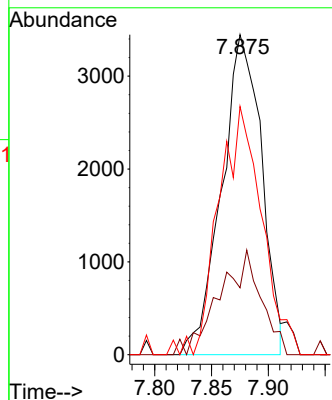
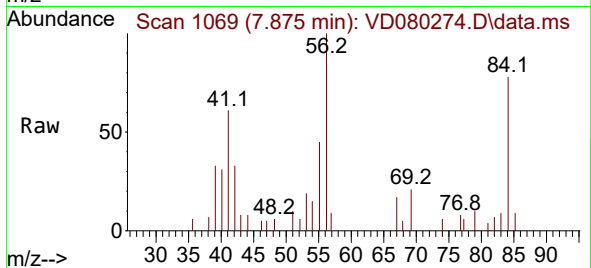
Tgt Ion: 56 Resp: 8421

Ion Ratio Lower Upper

56 100

69 14.8 24.6 37.0#

84 82.7 71.4 107.2



#30

1,1,1-Trichloroethane

Concen: 2.71 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

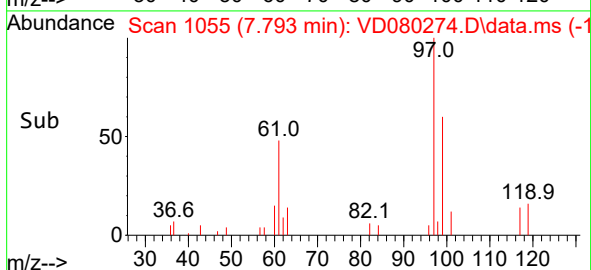
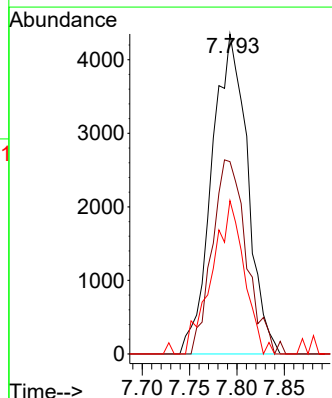
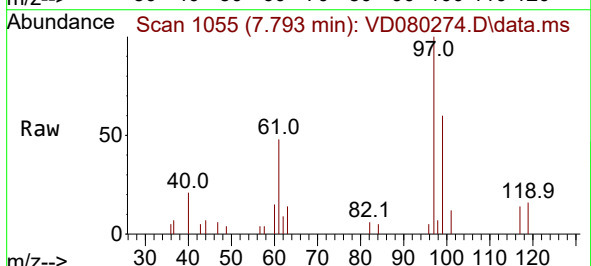
Tgt Ion: 97 Resp: 11366

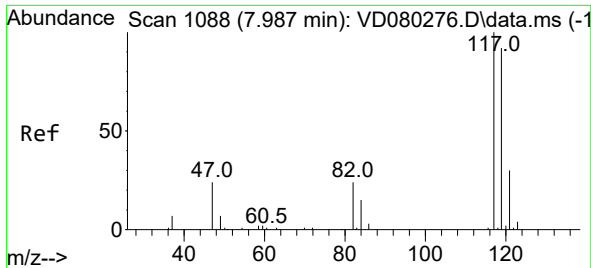
Ion Ratio Lower Upper

97 100

99 55.6 51.9 77.9

61 43.0 36.7 55.1

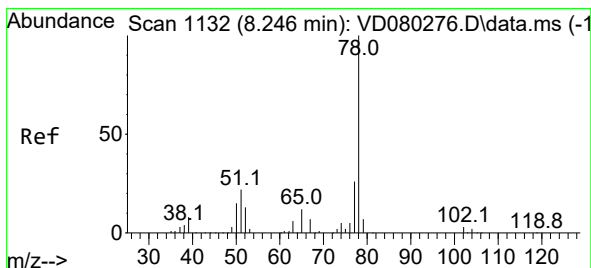
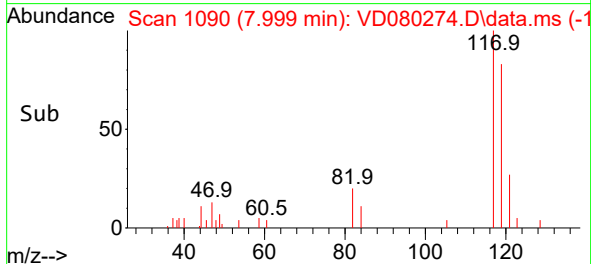
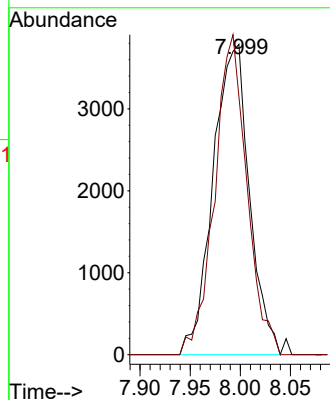
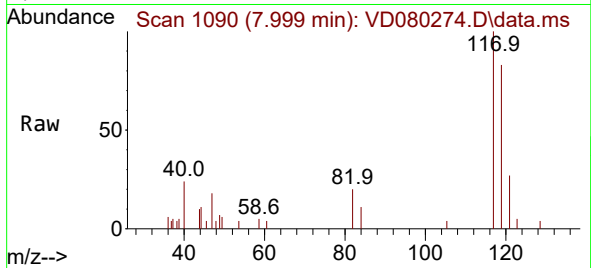




#31
Carbon tetrachloride
Concen: 2.59 ug/L
RT: 7.999 min Scan# 1109
Delta R.T. 0.012 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

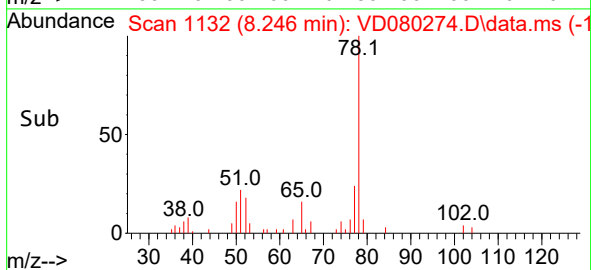
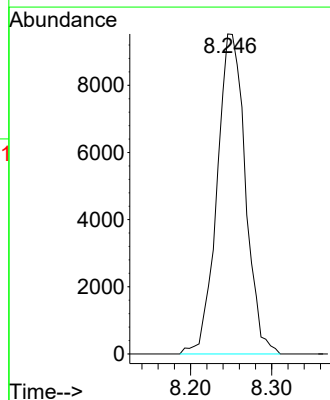
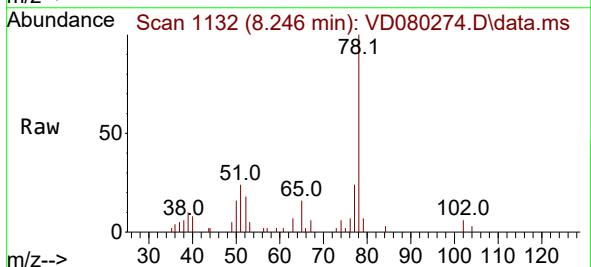
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

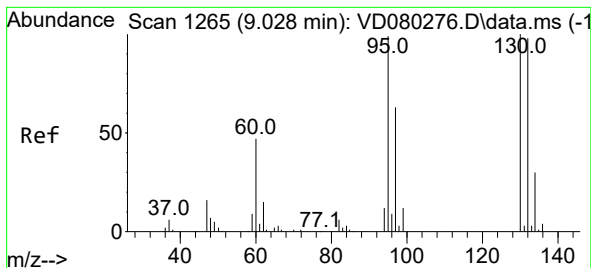
Tgt Ion:117 Resp: 9560
Ion Ratio Lower Upper
117 100
119 91.4 76.0 114.0



#33
Benzene
Concen: 2.23 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion: 78 Resp: 23112





#34

Trichloroethene

Concen: 2.76 ug/L

RT: 9.022 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5870

Tgt Ion: 95 Resp: 7654

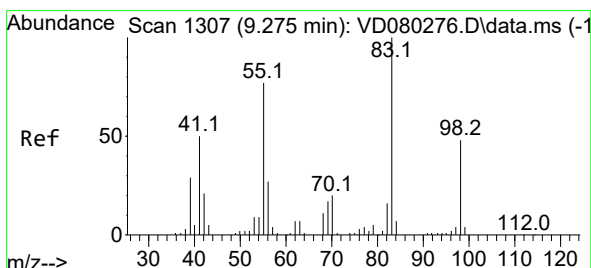
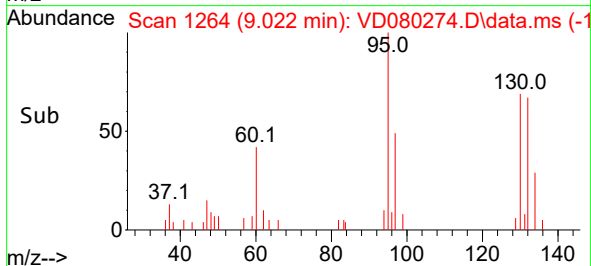
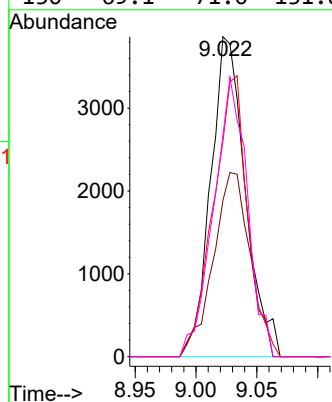
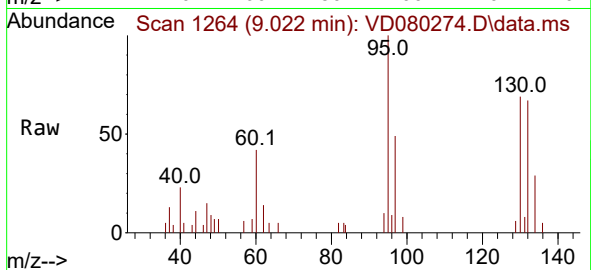
Ion Ratio Lower Upper

95 100

97 48.8 45.1 83.7

132 67.3 69.5 129.1#

130 69.1 71.0 131.8#



#35

Methylcyclohexane

Concen: 2.16 ug/L

RT: 9.269 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

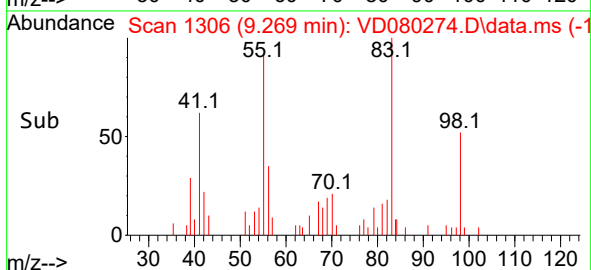
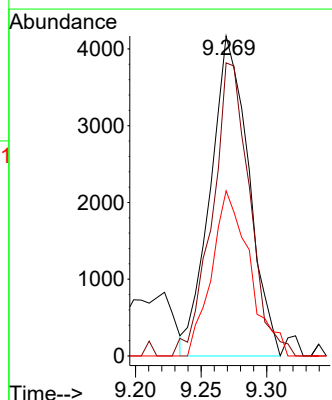
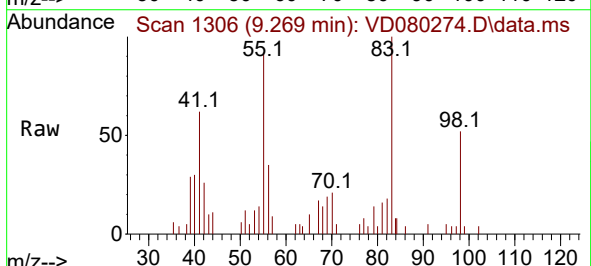
Tgt Ion: 83 Resp: 8462

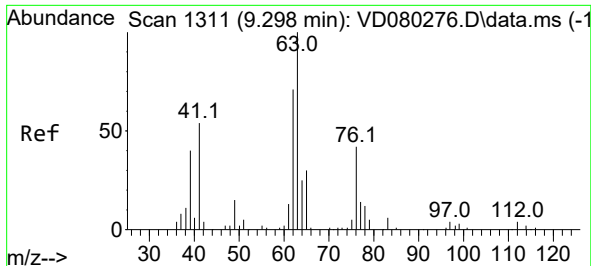
Ion Ratio Lower Upper

83 100

55 89.4 65.0 97.6

98 51.3 39.0 58.6





#37

1,2-Dichloropropane

Concen: 2.48 ug/L

RT: 9.304 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Instrument :

MSVOA_D

ClientSampleId :

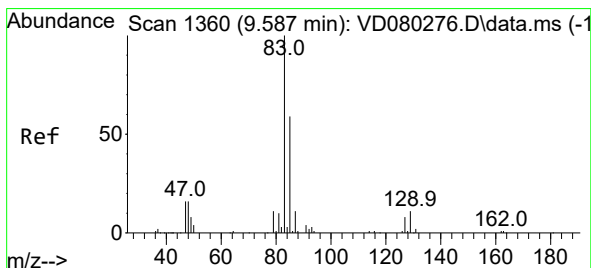
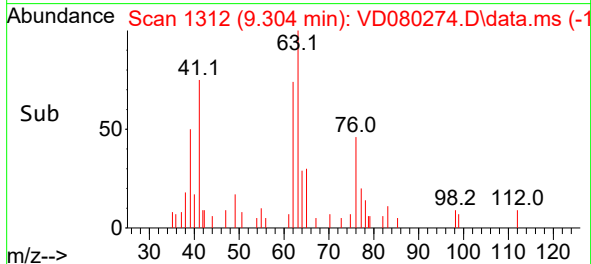
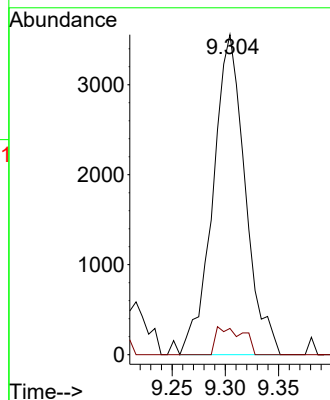
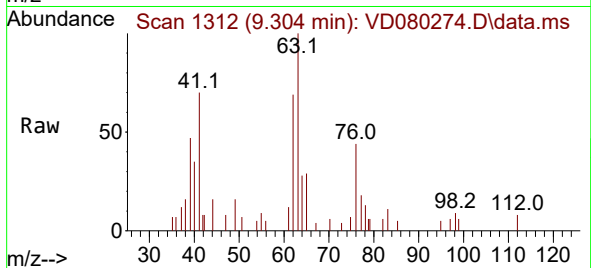
VSTD2.5870

Tgt Ion: 63 Resp: 7470

Ion Ratio Lower Upper

63 100

112 5.0 3.4 5.2



#38

Bromodichloromethane

Concen: 2.37 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

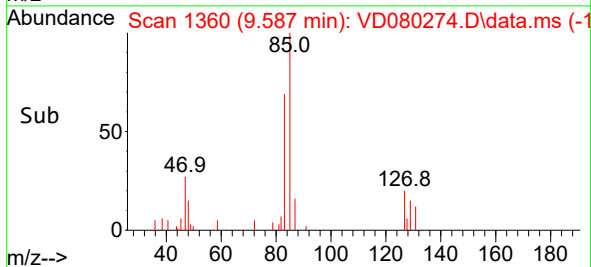
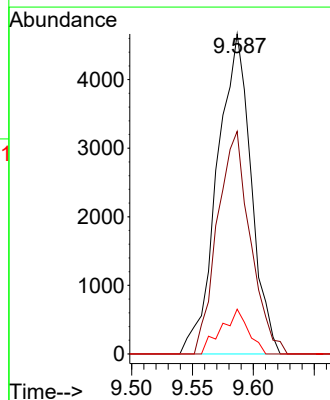
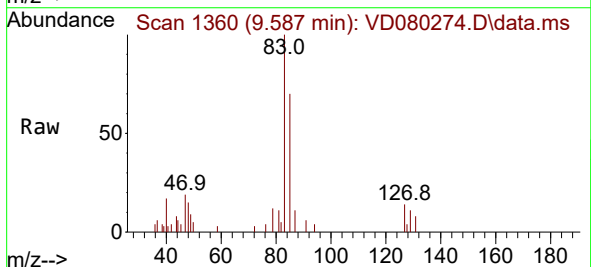
Tgt Ion: 83 Resp: 9039

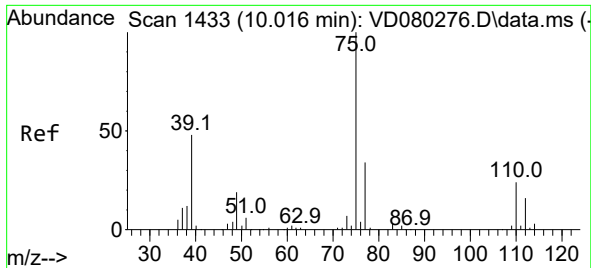
Ion Ratio Lower Upper

83 100

85 69.6 41.4 77.0

127 17.9 6.6 10.0#

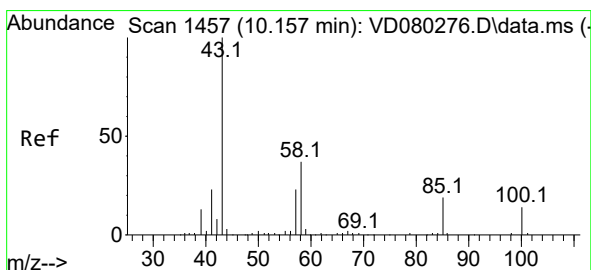
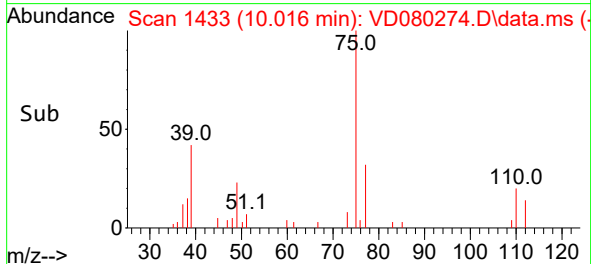
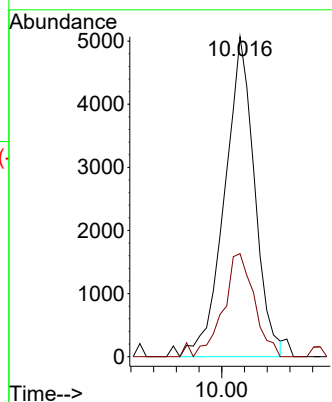
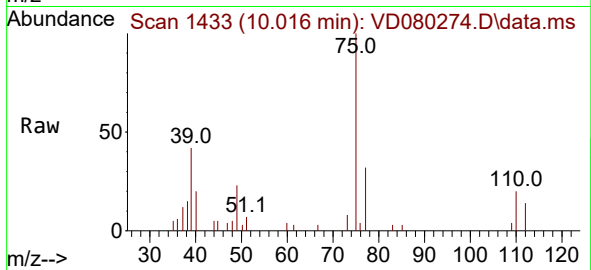




#39
 cis-1,3-Dichloropropene
 Concen: 2.12 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD080274.D
 Acq: 18 Mar 2025 10:35

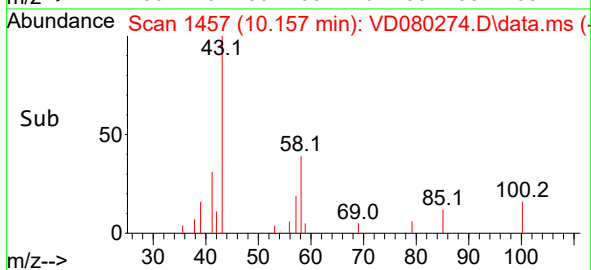
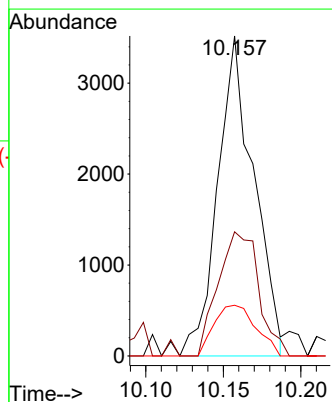
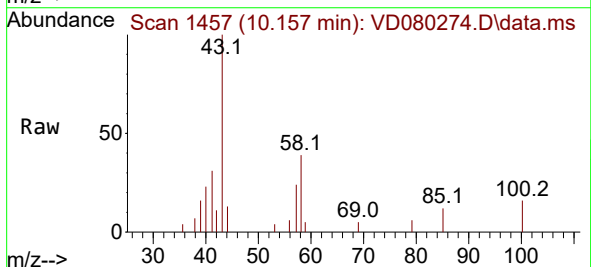
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5870

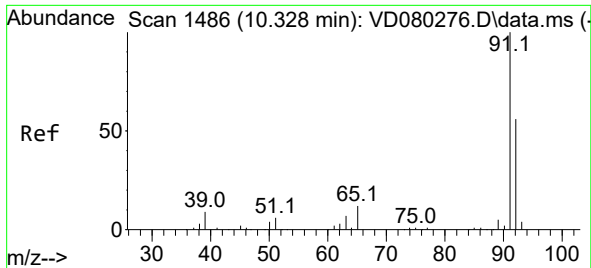
Tgt Ion: 75 Resp: 9263
 Ion Ratio Lower Upper
 75 100
 77 32.2 23.7 43.9



#40
 4-Methyl-2-pentanone
 Concen: 3.57 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD080274.D
 Acq: 18 Mar 2025 10:35

Tgt Ion: 43 Resp: 5693
 Ion Ratio Lower Upper
 43 100
 58 43.7 29.9 44.9
 100 18.4 11.3 16.9#

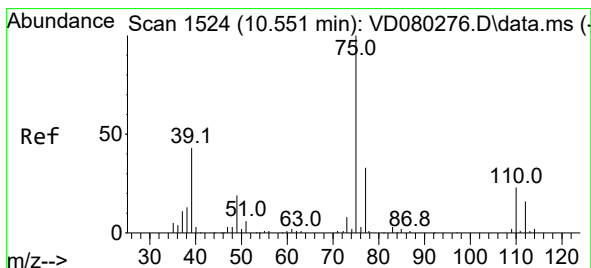
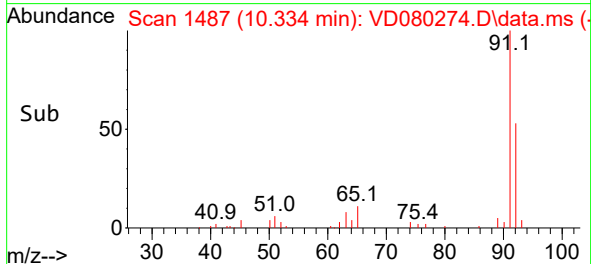
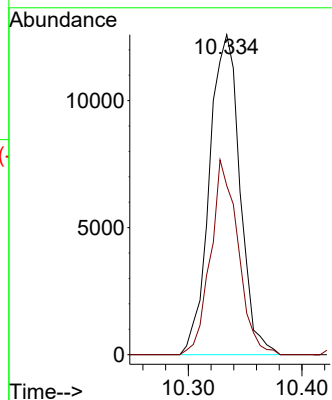
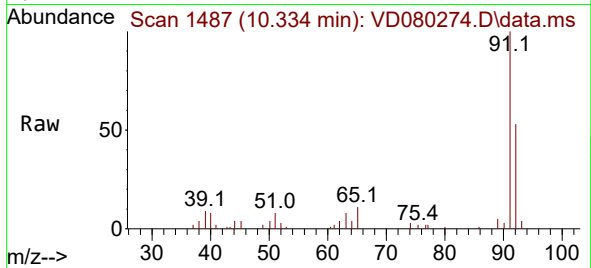




#42
Toluene
Concen: 2.12 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

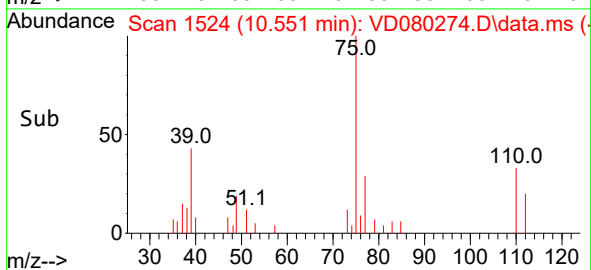
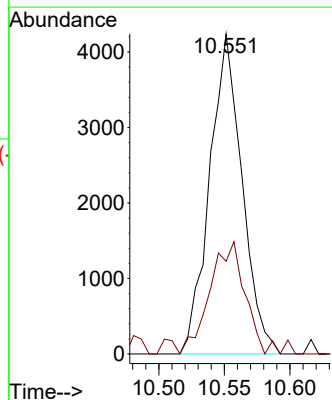
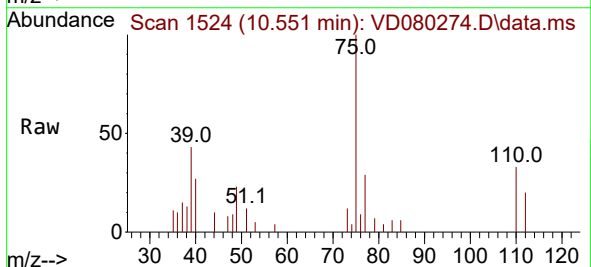
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

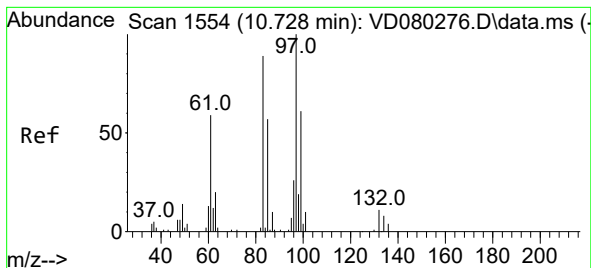
Tgt Ion: 91 Resp: 23500
Ion Ratio Lower Upper
91 100
92 52.8 38.9 72.3



#44
trans-1,3-Dichloropropene
Concen: 2.00 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion: 75 Resp: 7300
Ion Ratio Lower Upper
75 100
77 29.0 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 2.28 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5870

Tgt Ion: 97 Resp: 5141

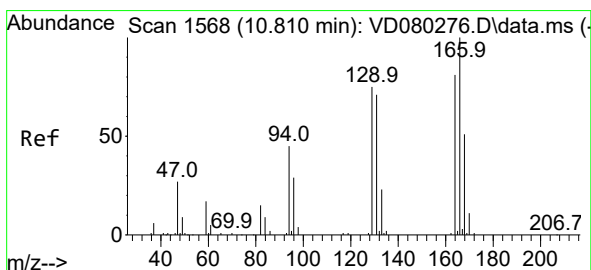
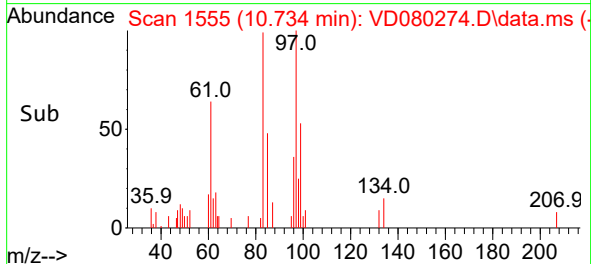
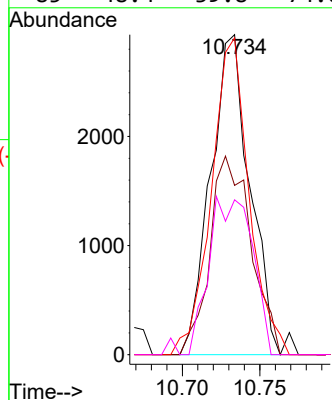
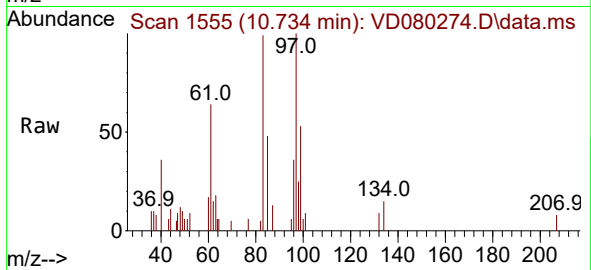
Ion Ratio Lower Upper

97 100

99 52.9 43.0 79.8

83 99.0 62.2 115.4

85 48.4 39.8 74.0



#46

Tetrachloroethene

Concen: 2.51 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Tgt Ion:164 Resp: 5414

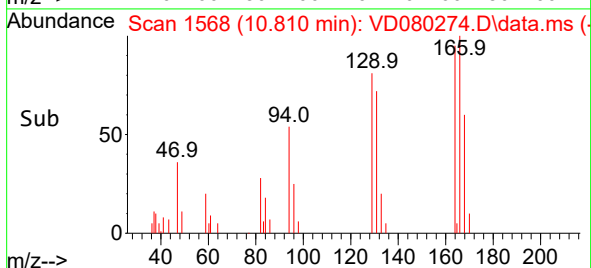
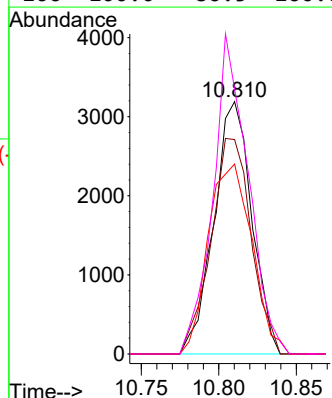
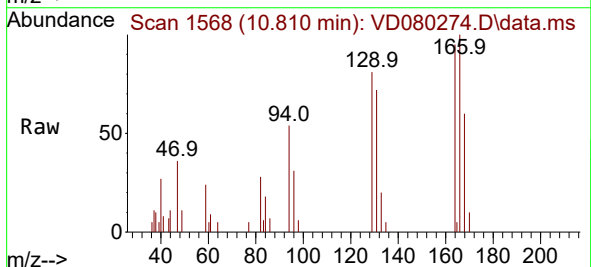
Ion Ratio Lower Upper

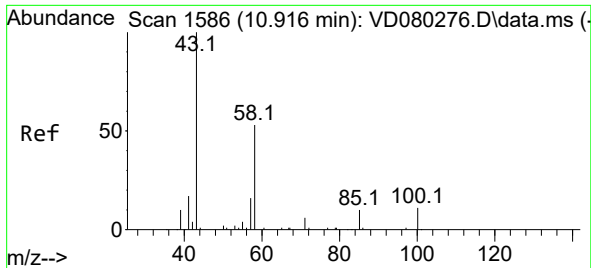
164 100

129 81.0 64.9 120.5

131 71.7 61.5 114.3

166 100.0 86.5 160.7

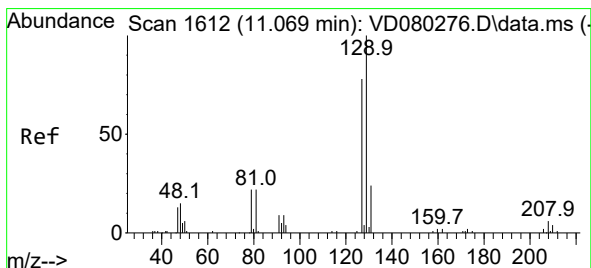
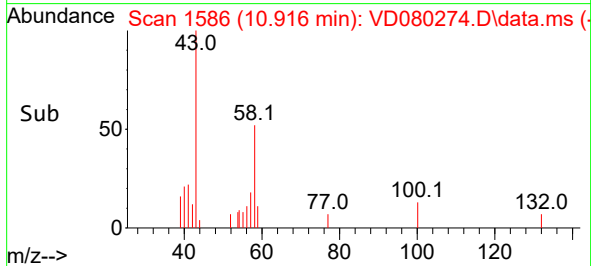
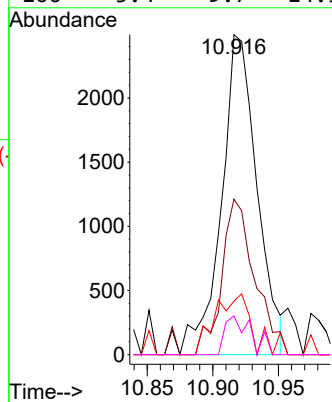
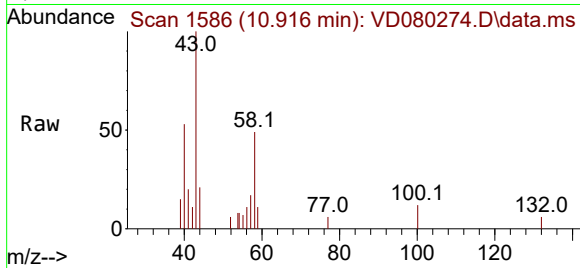




#48
2-Hexanone
Concen: 4.17 ug/L
RT: 10.916 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

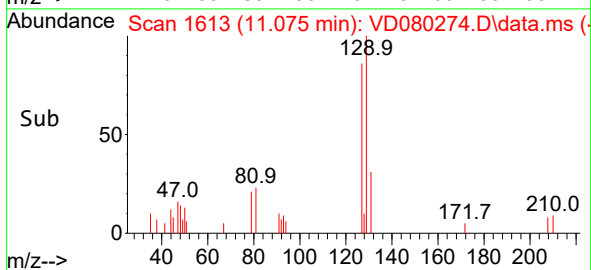
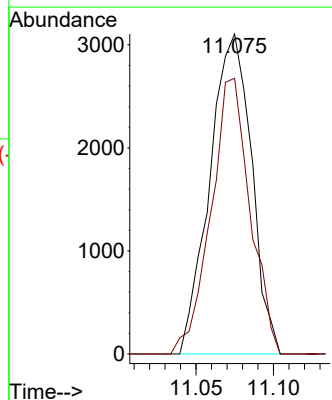
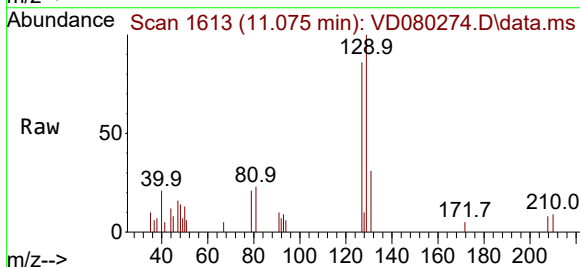
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

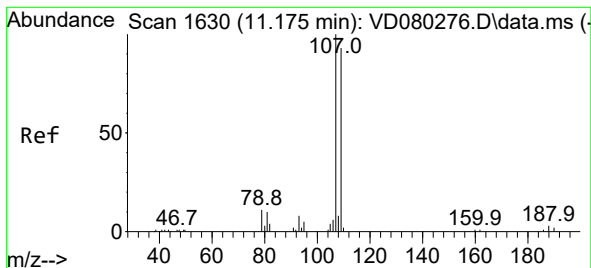
Tgt Ion: 43 Resp: 4714
Ion Ratio Lower Upper
43 100
58 42.2 42.8 64.2#
57 8.9 15.0 22.4#
100 5.4 9.7 14.5#



#49
Dibromochloromethane
Concen: 2.28 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.006 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion: 129 Resp: 5812
Ion Ratio Lower Upper
129 100
127 86.2 54.9 101.9

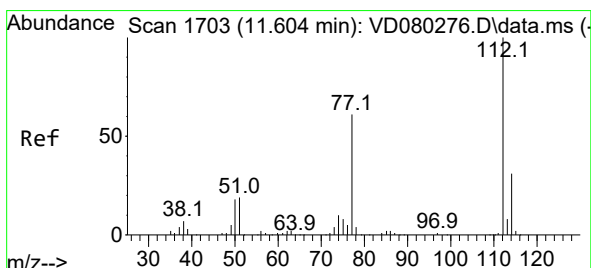
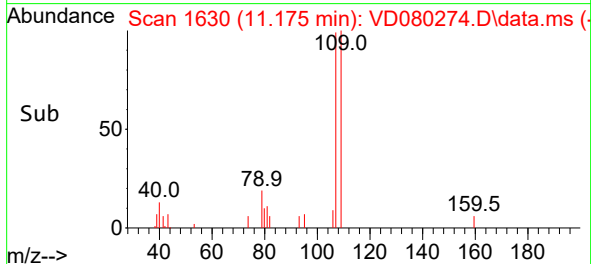
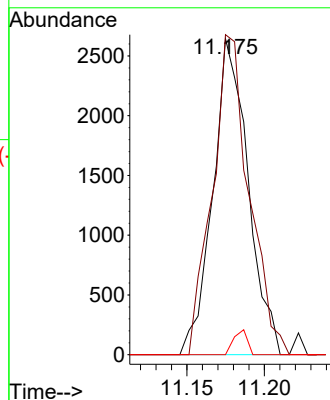
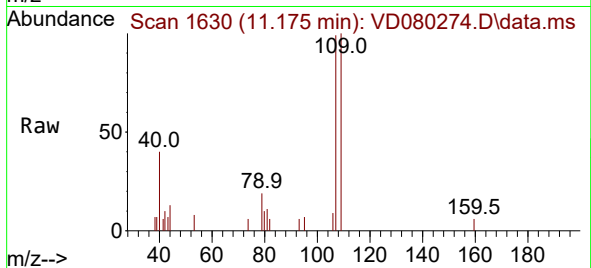




#50
1,2-Dibromoethane
Concen: 2.09 ug/L
RT: 11.175 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

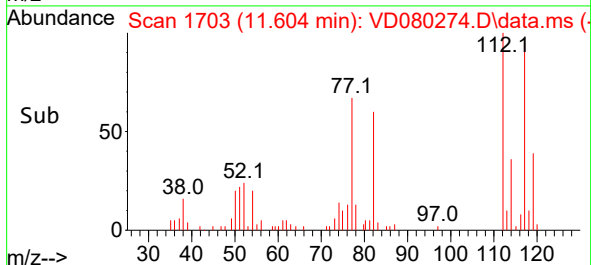
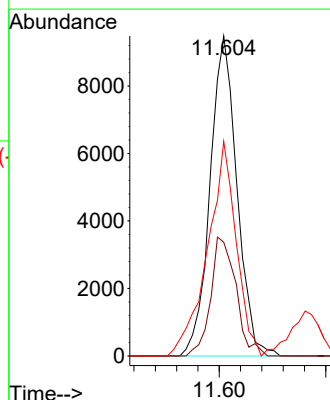
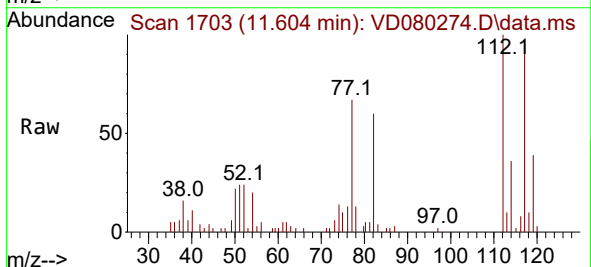
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

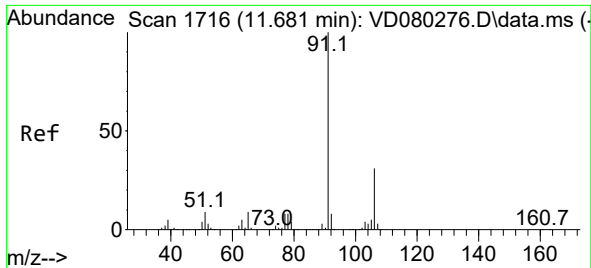
Tgt Ion:107 Resp: 4184
Ion Ratio Lower Upper
107 100
109 101.2 65.5 121.6
188 0.0 2.2 3.2#



#51
Chlorobenzene
Concen: 2.26 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion:112 Resp: 16626
Ion Ratio Lower Upper
112 100
114 35.5 21.8 40.6
77 67.1 48.8 73.2

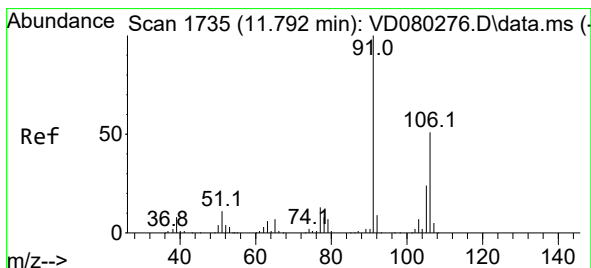
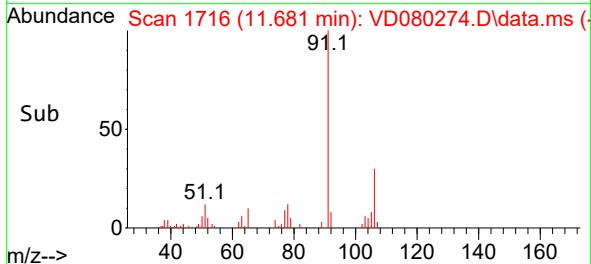
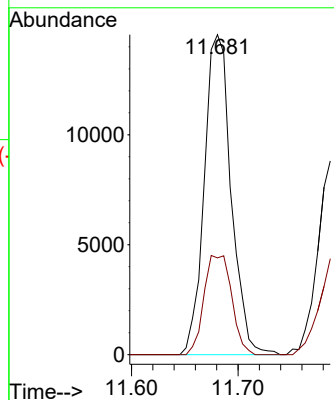
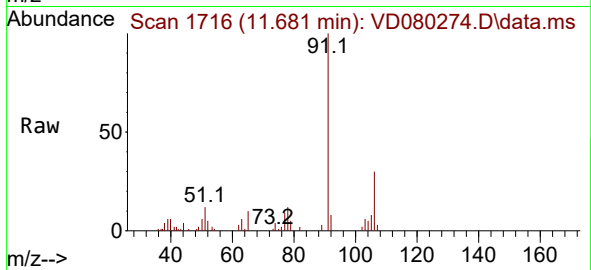




#52
Ethylbenzene
Concen: 2.12 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

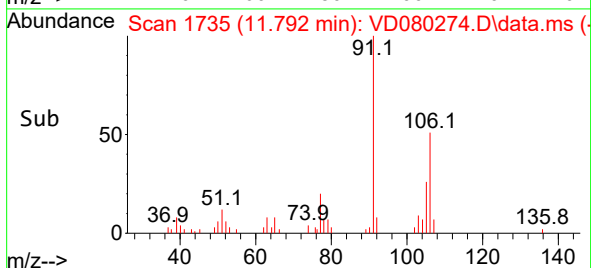
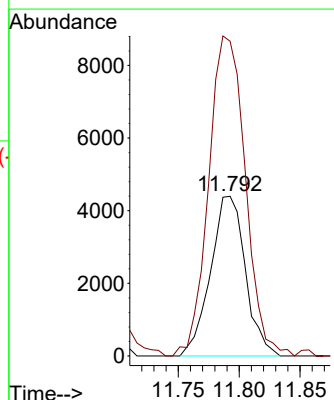
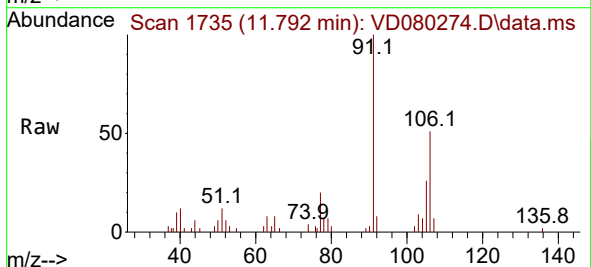
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

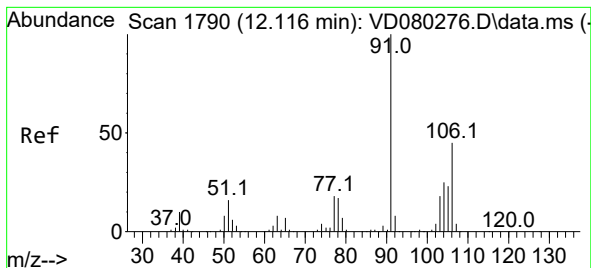
Tgt Ion: 91 Resp: 25552
Ion Ratio Lower Upper
91 100
106 30.2 21.4 39.8



#53
m,p-Xylene
Concen: 1.96 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion: 106 Resp: 8751
Ion Ratio Lower Upper
106 100
91 197.1 138.0 256.2





#54

o-Xylene

Concen: 2.09 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Instrument :

MSVOA_D

ClientSampleId :

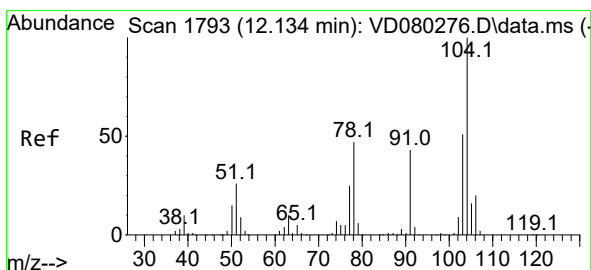
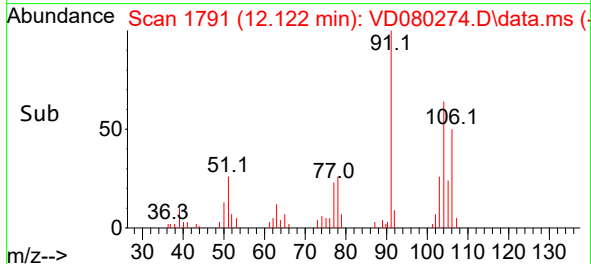
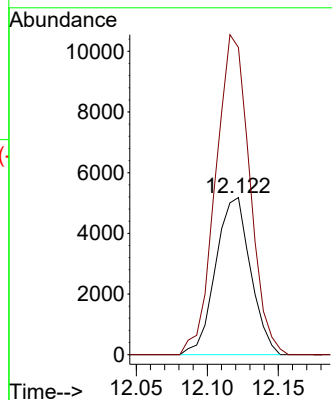
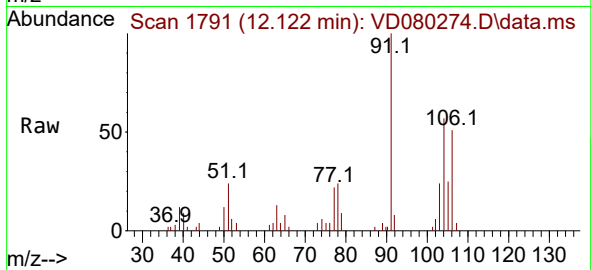
VSTD2.5870

Tgt Ion:106 Resp: 8845

Ion Ratio Lower Upper

106 100

91 195.5 156.5 290.7



#55

Styrene

Concen: 1.87 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD080274.D

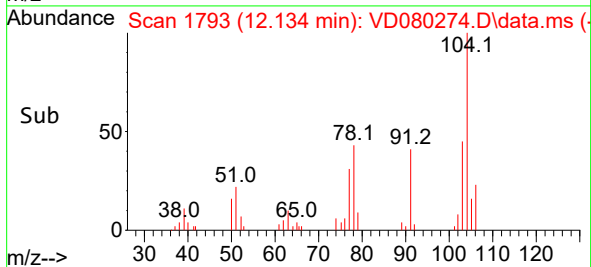
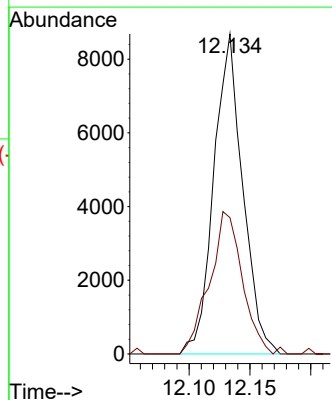
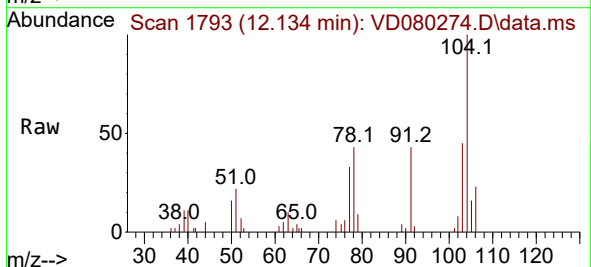
Acq: 18 Mar 2025 10:35

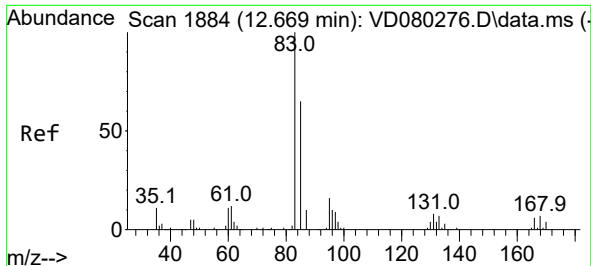
Tgt Ion:104 Resp: 14365

Ion Ratio Lower Upper

104 100

78 42.6 32.7 60.7





#57

1,1,2,2-Tetrachloroethane

Concen: 2.31 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5870

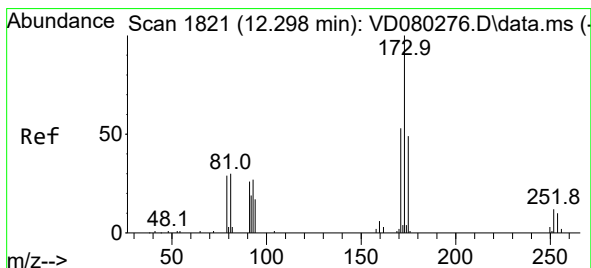
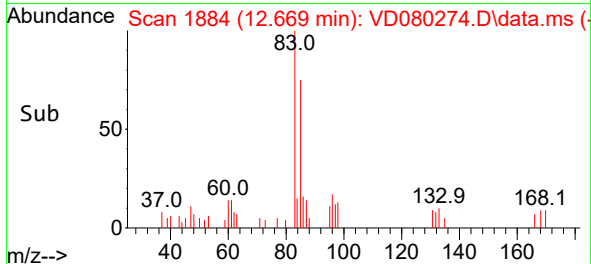
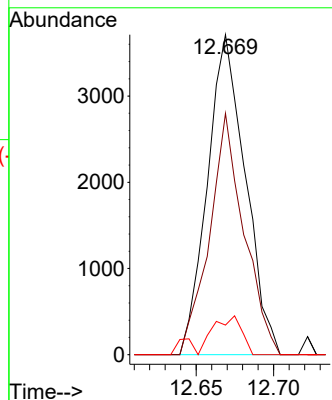
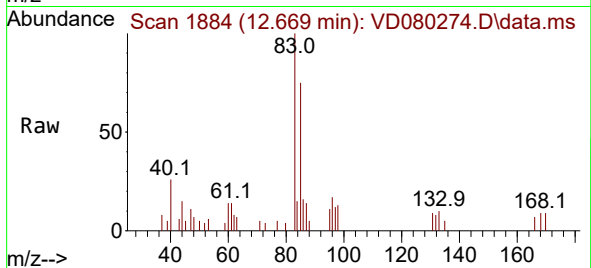
Tgt Ion: 83 Resp: 6314

Ion Ratio Lower Upper

83 100

85 75.4 46.1 85.7

131 9.2 6.9 10.3



#59

Bromoform

Concen: 2.29 ug/L

RT: 12.304 min Scan# 1822

Delta R.T. 0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

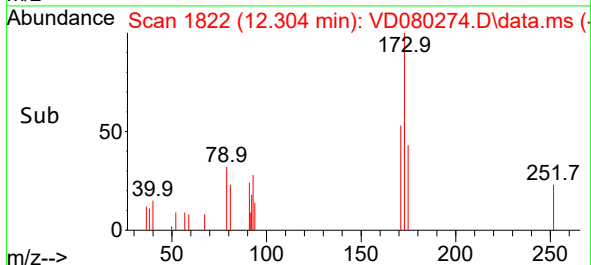
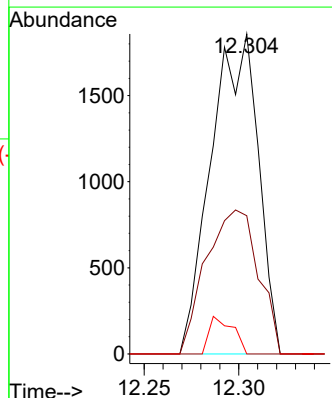
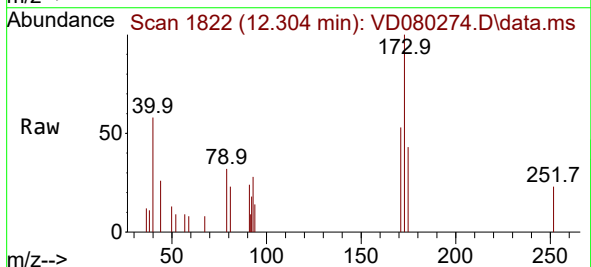
Tgt Ion: 173 Resp: 3211

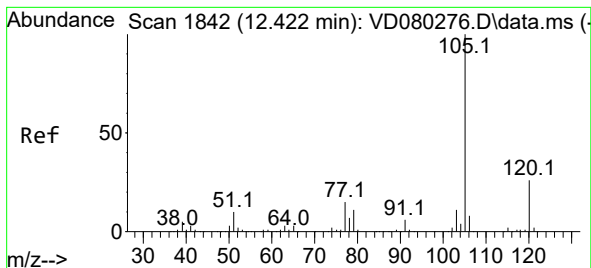
Ion Ratio Lower Upper

173 100

175 50.0 38.8 58.2

254 5.9 7.8 11.6#





#60

Isopropylbenzene

Concen: 2.10 ug/L

RT: 12.416 min Scan# 1841

Delta R.T. -0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5870

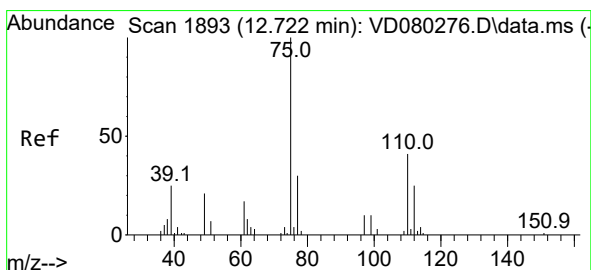
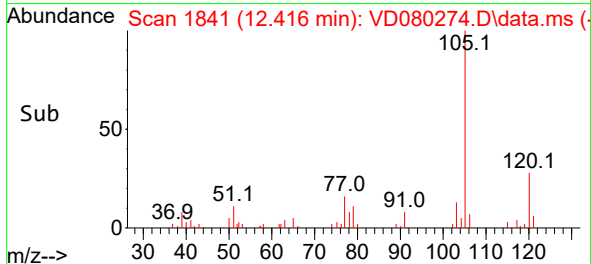
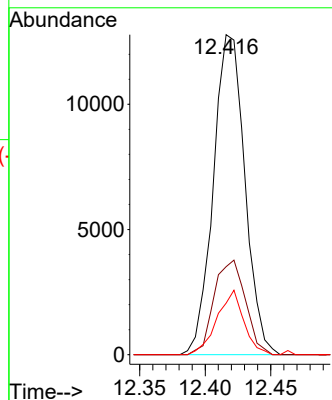
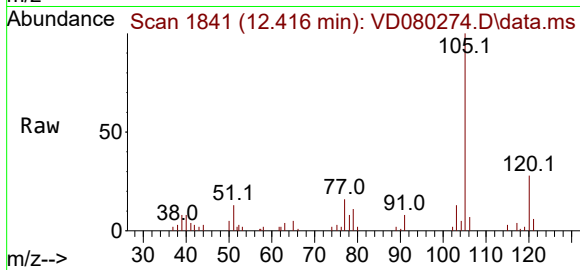
Tgt Ion:105 Resp: 21402

Ion Ratio Lower Upper

105 100

120 29.4 20.6 31.0

77 17.1 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 2.48 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

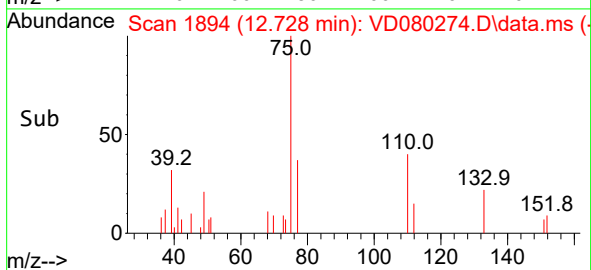
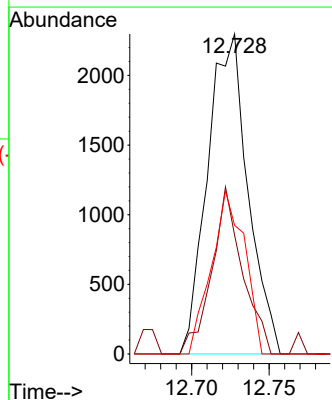
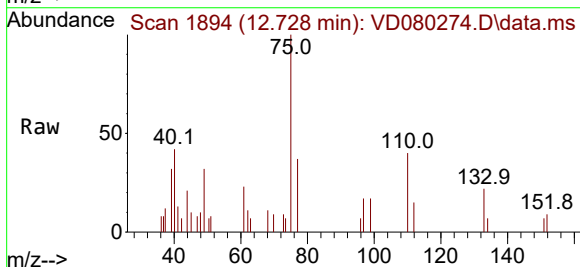
Tgt Ion: 75 Resp: 4149

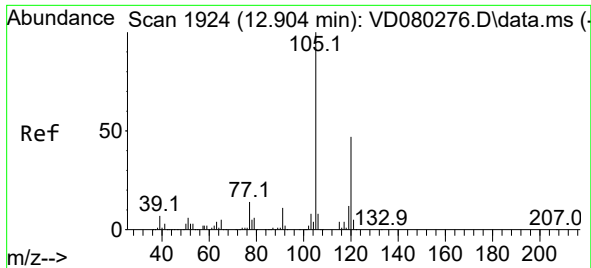
Ion Ratio Lower Upper

75 100

77 39.7 25.5 38.3#

110 42.1 30.7 46.1

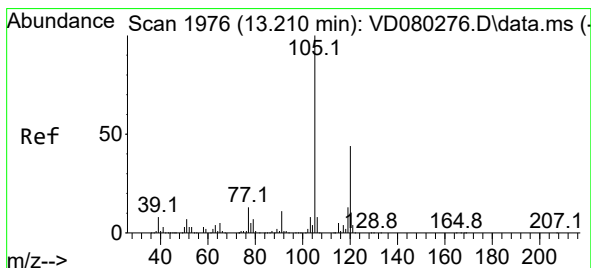
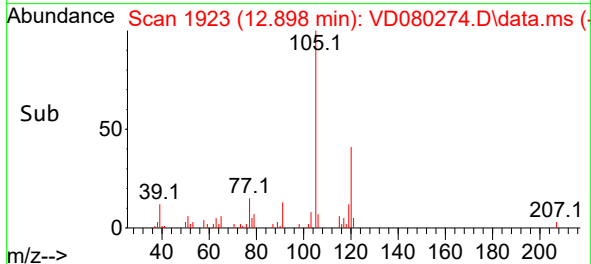
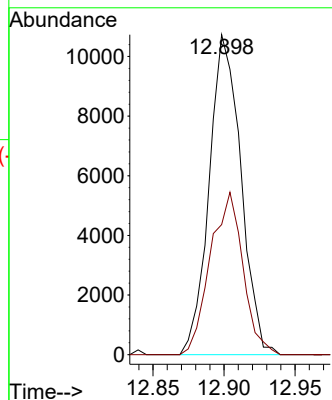
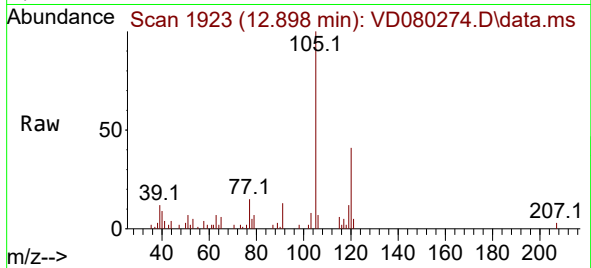




#62
 1,3,5-Trimethylbenzene
 Concen: 2.08 ug/L
 RT: 12.898 min Scan# 1923
 Delta R.T. -0.006 min
 Lab File: VD080274.D
 Acq: 18 Mar 2025 10:35

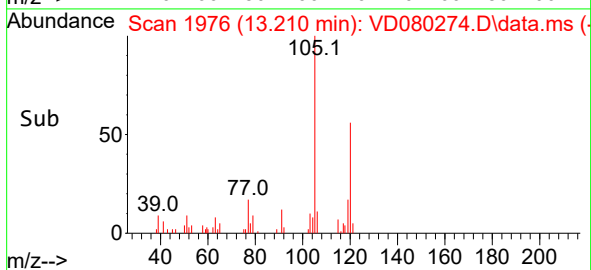
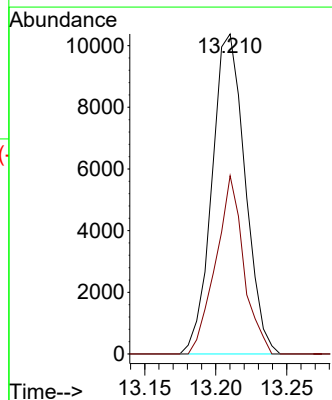
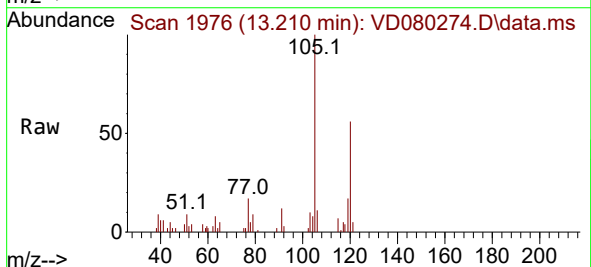
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5870

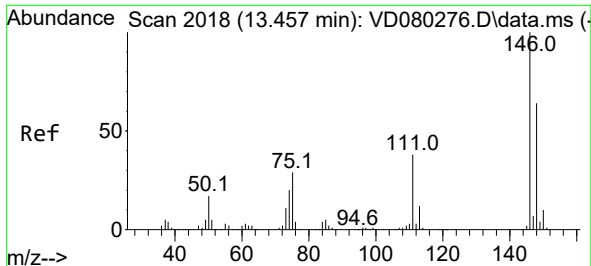
Tgt Ion:105 Resp: 16675
 Ion Ratio Lower Upper
 105 100
 120 52.3 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 2.06 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD080274.D
 Acq: 18 Mar 2025 10:35

Tgt Ion:105 Resp: 16817
 Ion Ratio Lower Upper
 105 100
 120 46.9 36.2 54.4

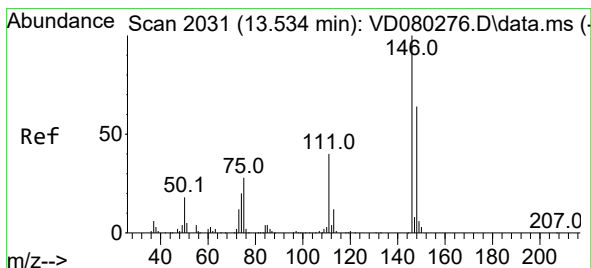
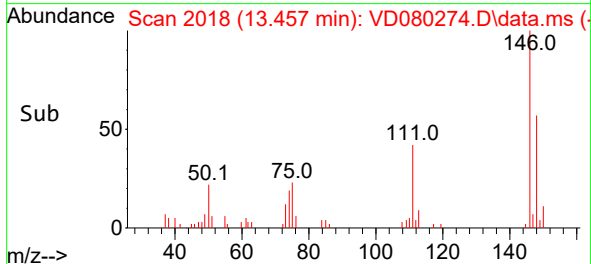
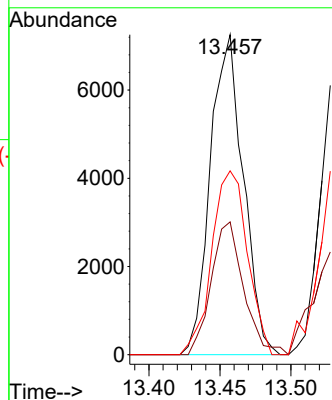
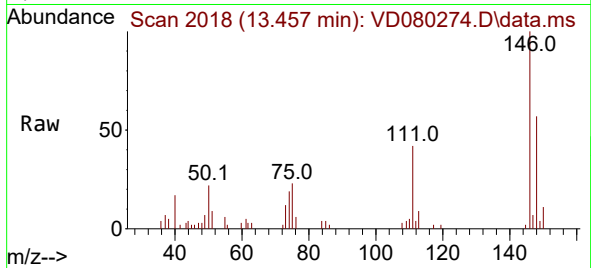




#64
1,3-Dichlorobenzene
Concen: 2.30 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

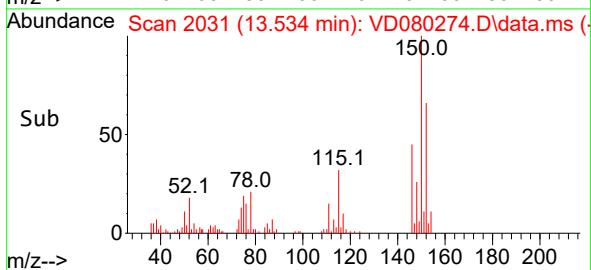
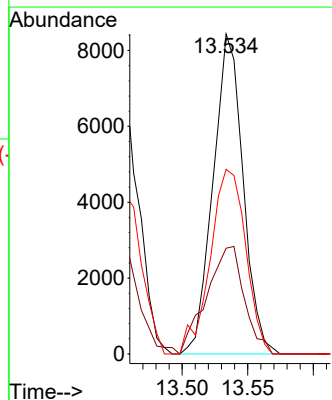
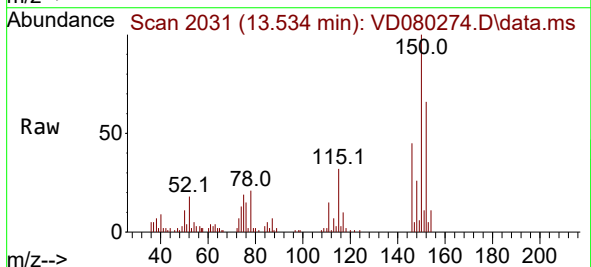
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

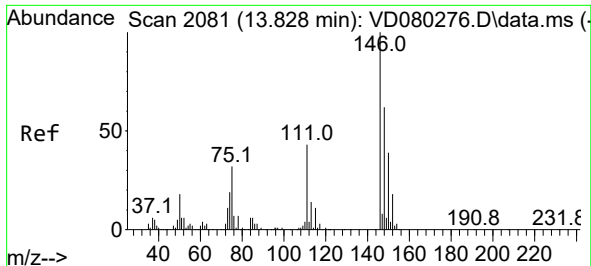
Tgt Ion:146 Resp: 11705
Ion Ratio Lower Upper
146 100
111 41.5 26.9 49.9
148 57.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 2.45 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion:146 Resp: 13404
Ion Ratio Lower Upper
146 100
111 33.0 27.9 51.7
148 57.7 45.1 83.9

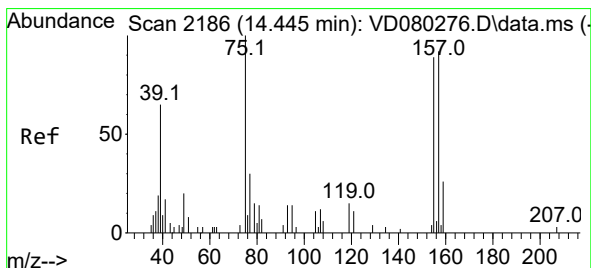
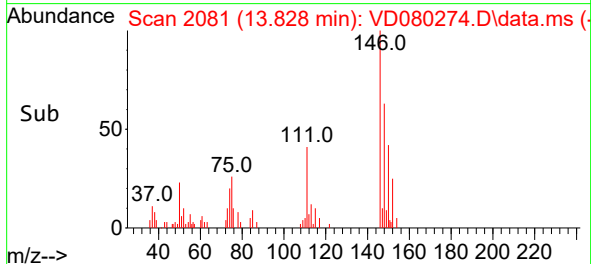
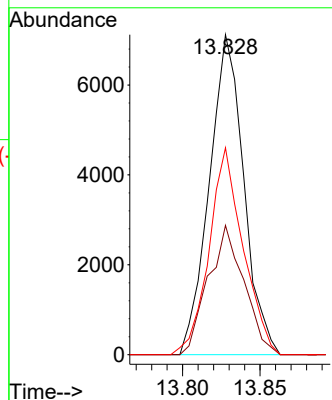
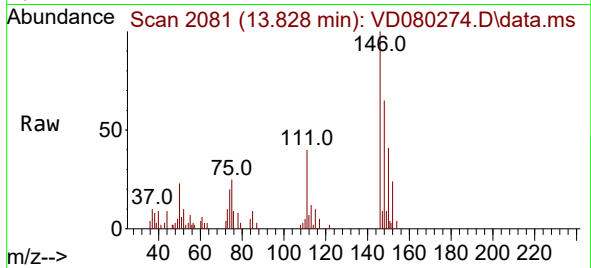




#67
1,2-Dichlorobenzene
Concen: 2.34 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

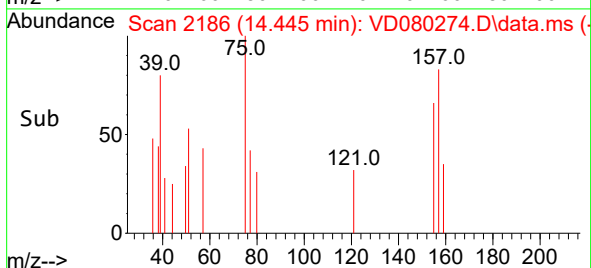
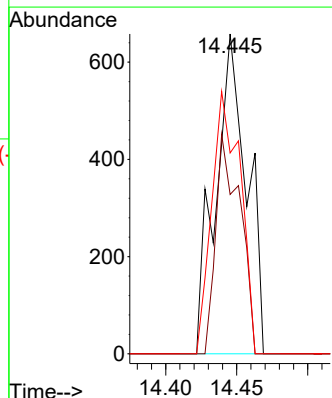
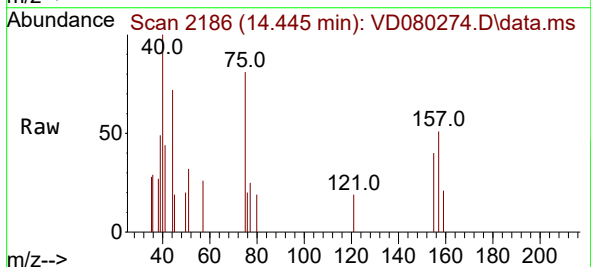
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

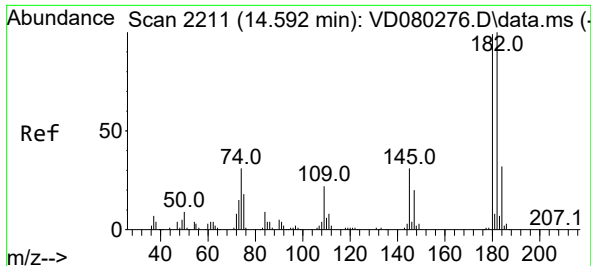
Tgt Ion:146 Resp: 10999
Ion Ratio Lower Upper
146 100
111 40.4 34.2 51.2
148 64.6 49.8 74.8



#68
1,2-Dibromo-3-chloropropane
Concen: 2.54 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion: 75 Resp: 1008
Ion Ratio Lower Upper
75 100
155 49.8 71.5 107.3#
157 62.8 73.5 110.3#





#69

1,3,5-Trichlorobenzene

Concen: 2.38 ug/L

RT: 14.598 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5870

Tgt Ion:180 Resp: 7945

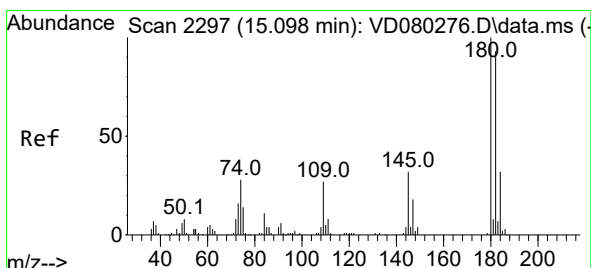
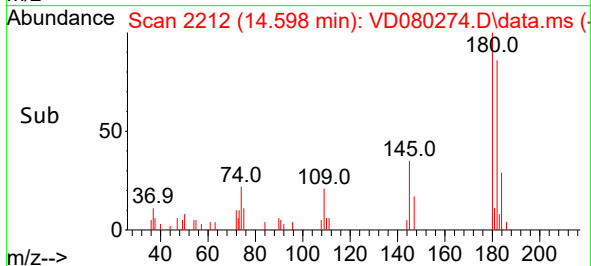
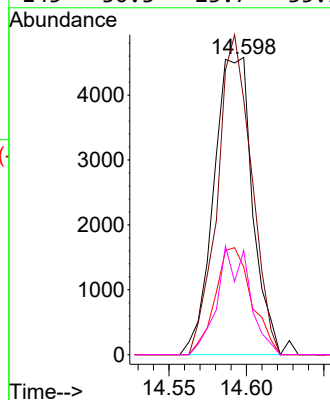
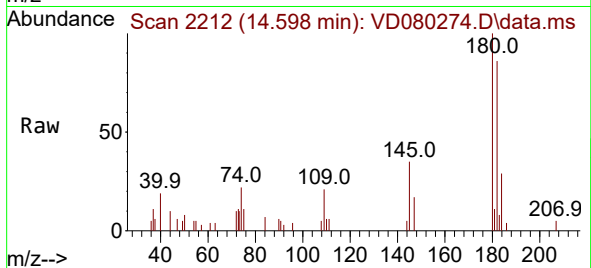
Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.4

184 34.1 24.0 36.0

145 30.3 23.7 35.5



#70

1,2,4-trichlorobenzene

Concen: 2.49 ug/L

RT: 15.092 min Scan# 2296

Delta R.T. -0.006 min

Lab File: VD080274.D

Acq: 18 Mar 2025 10:35

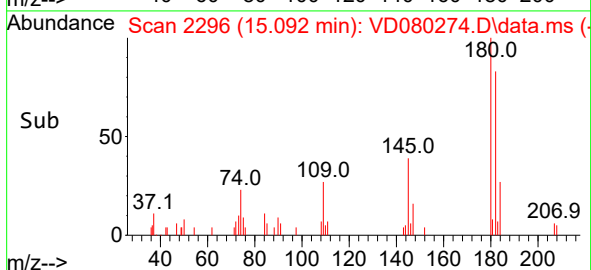
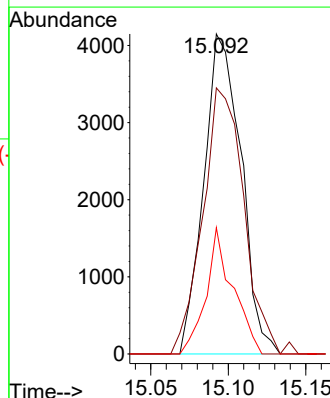
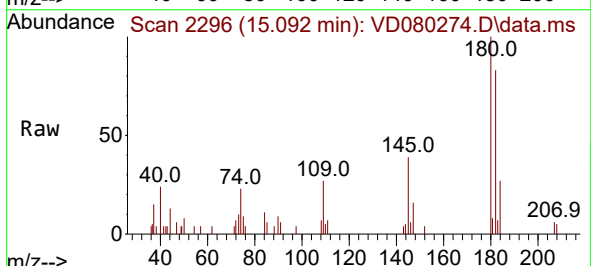
Tgt Ion:180 Resp: 6929

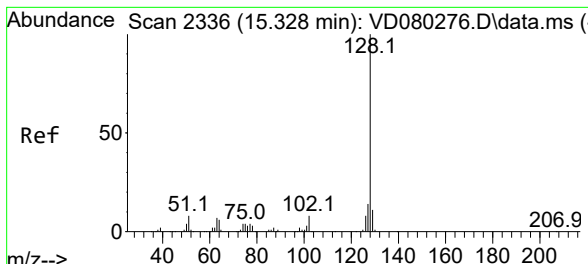
Ion Ratio Lower Upper

180 100

182 91.3 75.4 113.0

145 28.5 23.1 34.7

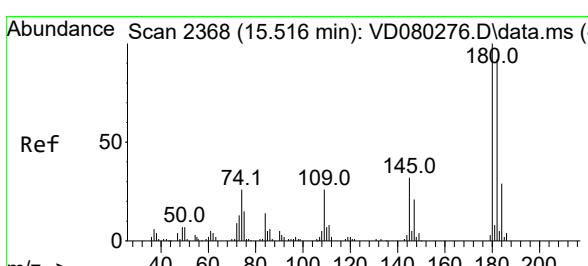
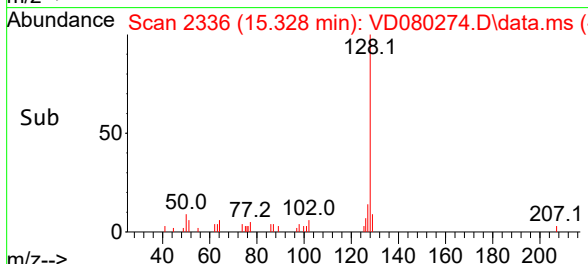
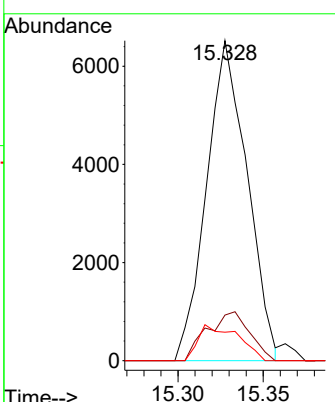
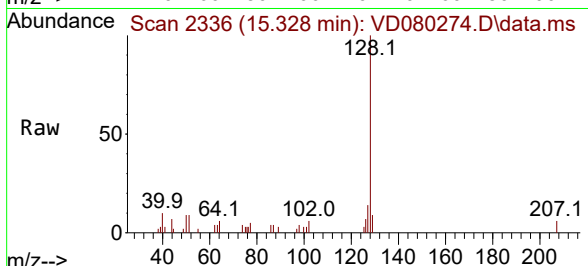




#71
Naphthalene
Concen: 2.06 ug/L
RT: 15.328 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5870

Tgt Ion:	128	Resp:	10801
Ion Ratio	Lower	Upper	
128	100		
127	16.0	11.4	17.2
129	7.2	9.0	13.4



#72
1,2,3-Trichlorobenzene
Concen: 2.31 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. 0.000 min
Lab File: VD080274.D
Acq: 18 Mar 2025 10:35

Tgt Ion:	180	Resp:	5800
Ion Ratio	Lower	Upper	
180	100		
182	92.7	73.8	110.6
145	32.3	24.8	37.2

