

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080283.D
 Acq On : 18 Mar 2025 16:52
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD02506

Quant Time: Mar 24 11:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 09:47:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	175100	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.580	117	174219	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	85263	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	112829	19.57	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.28%		
7) Chloroethane-d5	2.799	69	109107	21.24	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.96%		
11) 1,1-Dichloroethene-d2	3.916	65	27453	22.65	ug/L	0.01
Spiked Amount 25.000	Range 45 - 110		Recovery =	90.60%		
21) 2-Butanone-d5	6.987	46	31908	52.73	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	105.46%		
24) Chloroform-d	7.569	84	136572	25.29	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	101.16%		
26) 1,2-Dichloroethane-d4	8.234	65	80163	27.17	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	108.68%		
32) Benzene-d6	8.198	84	275747	27.09	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	108.36%		
36) 1,2-Dichloropropane-d6	9.210	67	90704	27.62	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	110.48%		
41) Toluene-d8	10.269	98	257526	28.02	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	112.08%		
43) trans-1,3-Dichloroprop...	10.522	79	37516	27.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	111.00%		
47) 2-Hexanone-d5	10.875	63	27387	57.63	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	115.26%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	70367	24.11	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	96.44%		
66) 1,2-Dichlorobenzene-d4	13.816	152	77515	25.95	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	103.80%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	76559	23.52	ug/L	99
3) Chloromethane	2.157	50	120691	22.95	ug/L	98
5) Vinyl chloride	2.281	62	150234	21.97	ug/L	91
6) Bromomethane	2.693	94	83773	23.54	ug/L	93
8) Chloroethane	2.834	64	102293	22.12	ug/L	100
9) Trichlorofluoromethane	3.169	101	124927	24.49	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	72375	24.03	ug/L #	71
12) 1,1-Dichloroethene	3.940	96	61997	24.17	ug/L	99
13) Acetone	4.028	43	28130	43.23	ug/L	97
14) Carbon disulfide	4.269	76	229171	24.12	ug/L	96
15) Methyl Acetate	4.557	43	33675	24.50	ug/L	98
16) Methylene chloride	4.793	84	82342	24.01	ug/L	97
17) trans-1,2-Dichloroethene	5.310	96	69206	24.95	ug/L	96
18) Methyl tert-butyl Ether	5.328	73	147063	25.24	ug/L #	88
19) 1,1-Dichloroethane	6.110	63	135584	24.87	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	77981	26.07	ug/L	100
23) Bromochloromethane	7.422	128	36881	25.82	ug/L	96
25) Chloroform	7.592	83	159007	27.26	ug/L	99
27) 1,2-Dichloroethane	8.328	62	95861	26.33	ug/L #	94

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 Response via : Initial Calibration

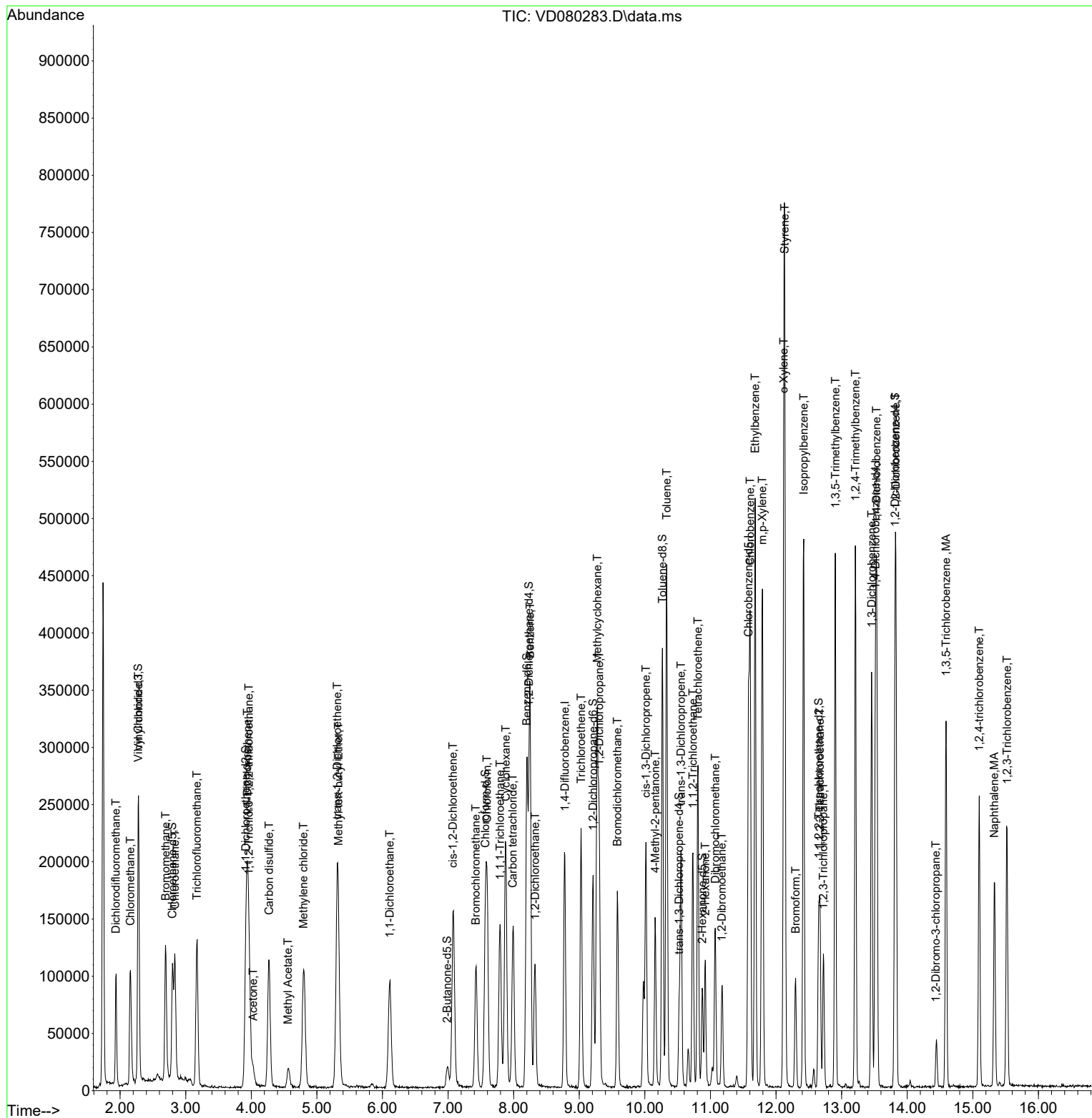
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.881	56	111884	27.28	ug/L	98
30) 1,1,1-Trichloroethane	7.792	97	118530	25.89	ug/L	99
31) Carbon tetrachloride	7.987	117	101667	25.30	ug/L	97
33) Benzene	8.251	78	309992	27.38	ug/L	100
34) Trichloroethene	9.028	95	76672	25.37	ug/L	98
35) Methylcyclohexane	9.275	83	121096	28.28	ug/L	100
37) 1,2-Dichloropropane	9.304	63	89691	27.31	ug/L	99
38) Bromodichloromethane	9.581	83	110523	26.51	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	123302	25.90	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	93572	53.84	ug/L	98
42) Toluene	10.333	91	343567	28.42	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	112194	28.23	ug/L	96
45) 1,1,2-Trichloroethane	10.733	97	65890	26.79	ug/L	98
46) Tetrachloroethene	10.810	164	63829	27.18	ug/L	99
48) 2-Hexanone	10.922	43	68451	54.36	ug/L	99
49) Dibromochloromethane	11.075	129	71624	25.76	ug/L	97
50) 1,2-Dibromoethane	11.175	107	59302	27.21	ug/L	94
51) Chlorobenzene	11.604	112	206921	25.83	ug/L	99
52) Ethylbenzene	11.680	91	353159	26.81	ug/L	97
53) m,p-Xylene	11.792	106	136514	28.02	ug/L	94
54) o-Xylene	12.116	106	129253	27.94	ug/L	87
55) Styrene	12.133	104	235509	28.09	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.669	83	70293	23.61	ug/L	97
59) Bromoform	12.298	173	42450	26.88	ug/L	98
60) Isopropylbenzene	12.422	105	303763	26.46	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	47417	25.10	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	238392	26.36	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	239895	26.10	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	146026	25.46	ug/L	99
65) 1,4-Dichlorobenzene	13.533	146	154929	25.08	ug/L	98
67) 1,2-Dichlorobenzene	13.827	146	138651	26.15	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.439	75	10655	23.84	ug/L	89
69) 1,3,5-Trichlorobenzene	14.592	180	100731	26.70	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	79595	25.32	ug/L	99
71) Naphthalene	15.327	128	154414	26.15	ug/L	100
72) 1,2,3-Trichlorobenzene	15.521	180	77048	27.15	ug/L	97

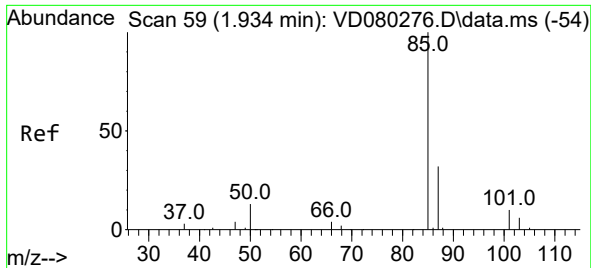
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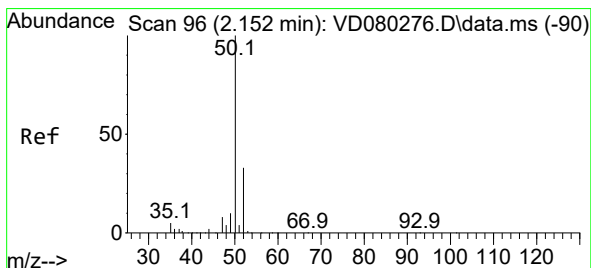
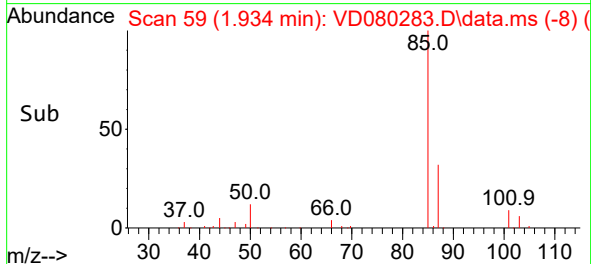
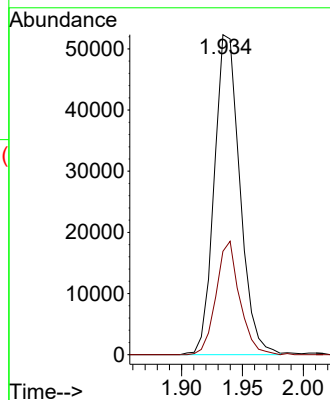
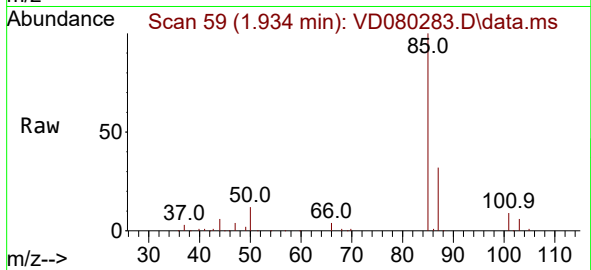




#2
Dichlorodifluoromethane
Concen: 23.52 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

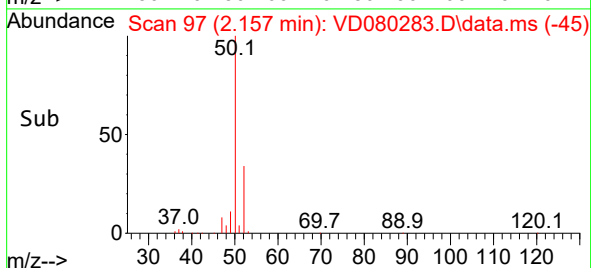
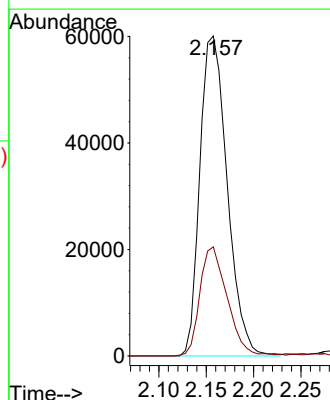
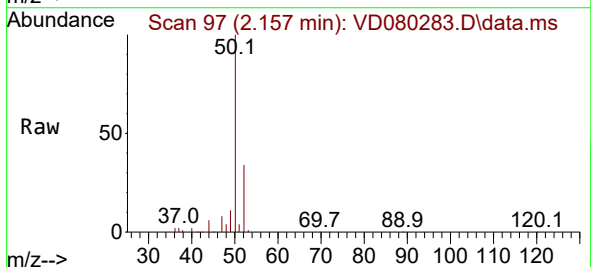
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ClientSampleId :
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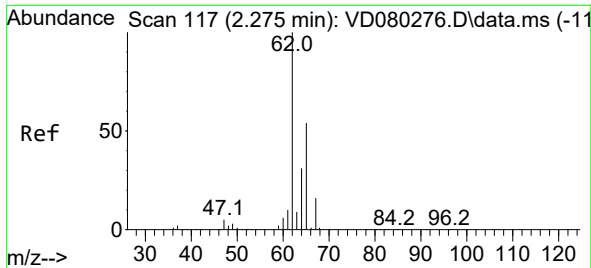
Tgt Ion: 85 Resp: 76559
Ion Ratio Lower Upper
85 100
87 32.6 25.6 38.4



#3
Chloromethane
Concen: 22.95 ug/L
RT: 2.157 min Scan# 97
Delta R.T. 0.005 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion: 50 Resp: 120691
Ion Ratio Lower Upper
50 100
52 34.1 23.1 42.9

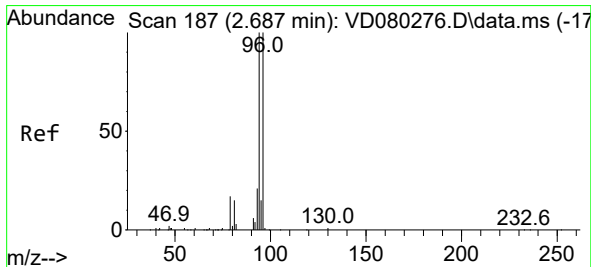
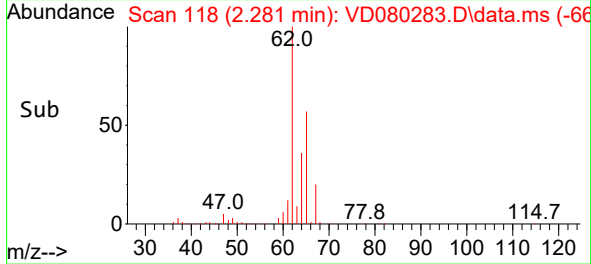
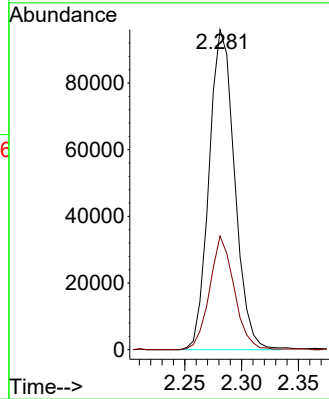
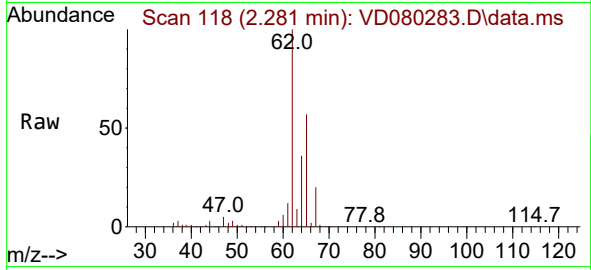




#5
 Vinyl chloride
 Concen: 21.97 ug/L
 RT: 2.281 min Scan# 117
 Delta R.T. 0.006 min
 Lab File: VD080283.D
 Acq: 18 Mar 2025 16:52

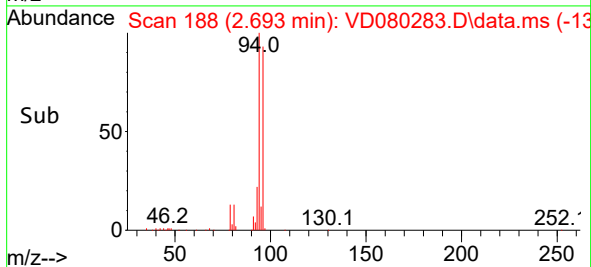
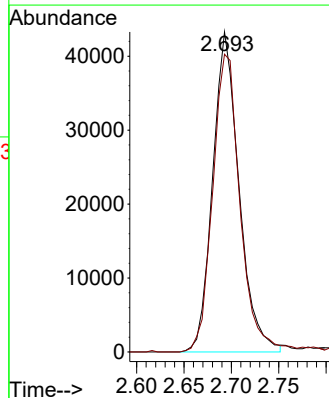
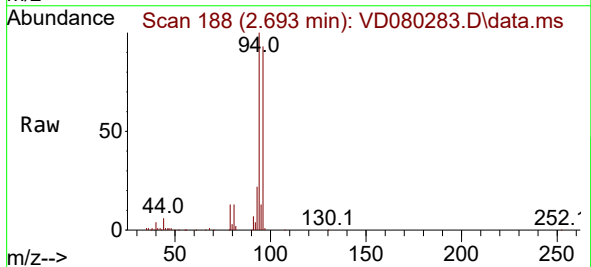
Instrument :
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 ClientSampleId :
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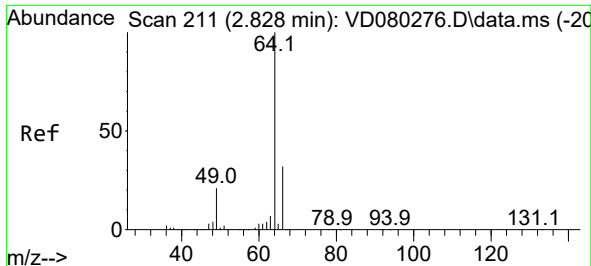
Tgt Ion: 62 Resp: 150234
 Ion Ratio Lower Upper
 62 100
 64 35.5 21.3 39.6



#6
 Bromomethane
 Concen: 23.54 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.006 min
 Lab File: VD080283.D
 Acq: 18 Mar 2025 16:52

Tgt Ion: 94 Resp: 83773
 Ion Ratio Lower Upper
 94 100
 96 93.0 70.3 130.5

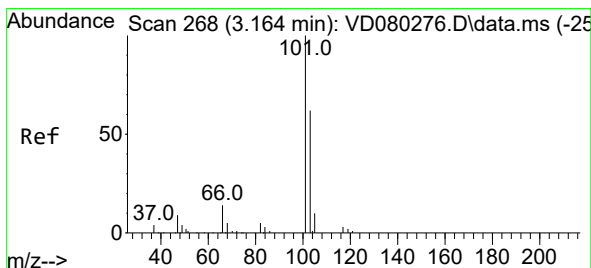
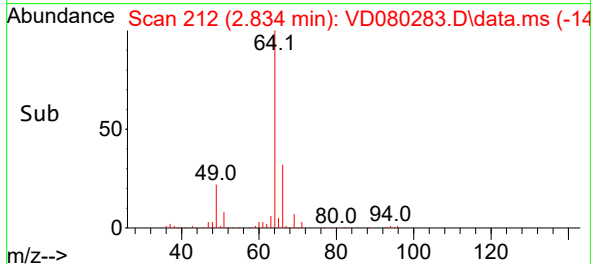
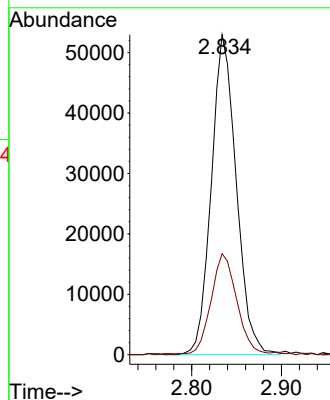
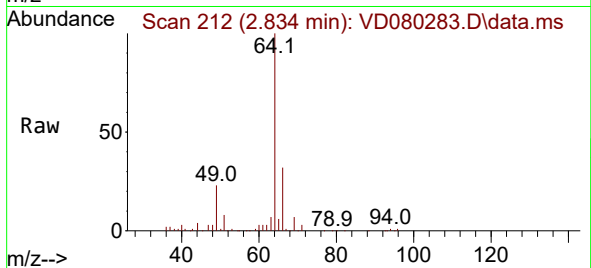




#8
Chloroethane
Concen: 22.12 ug/L
RT: 2.834 min Scan# 211
Delta R.T. 0.006 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

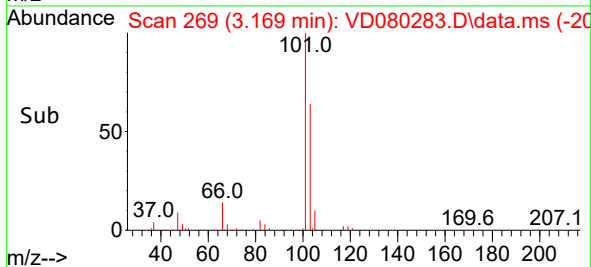
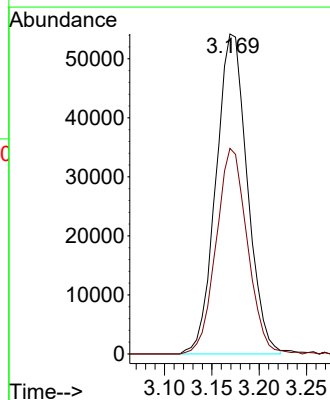
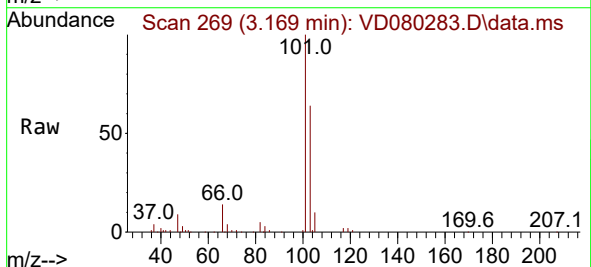
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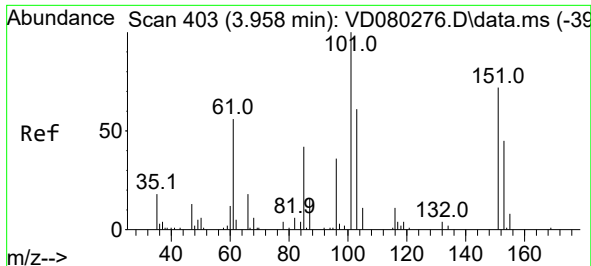
Tgt Ion: 64 Resp: 102293
Ion Ratio Lower Upper
64 100
66 31.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 24.49 ug/L
RT: 3.169 min Scan# 269
Delta R.T. 0.005 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion:101 Resp: 124927
Ion Ratio Lower Upper
101 100
103 63.8 52.0 78.0

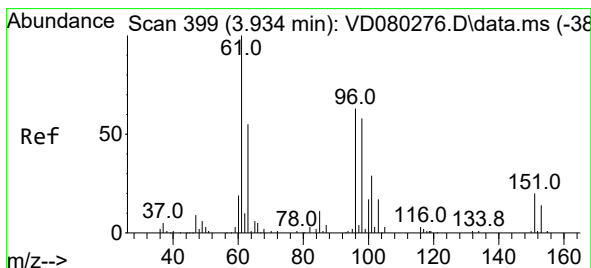
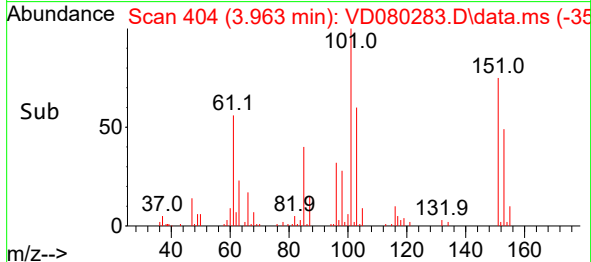
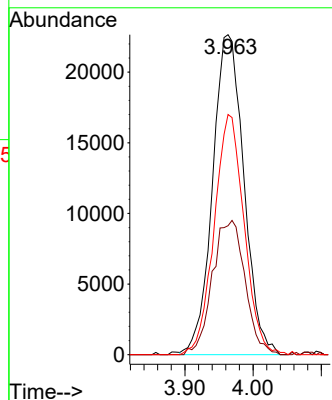
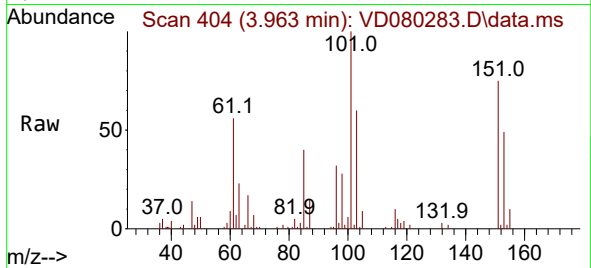




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.03 ug/L
 RT: 3.963 min Scan# 403
 Delta R.T. 0.005 min
 Lab File: VD080283.D
 Acq: 18 Mar 2025 16:52

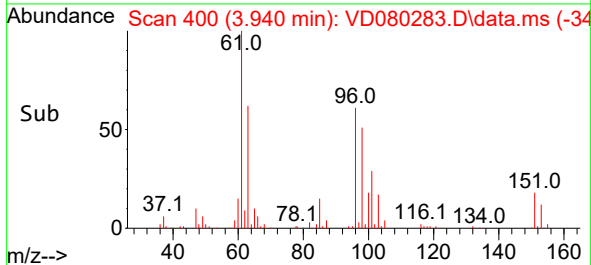
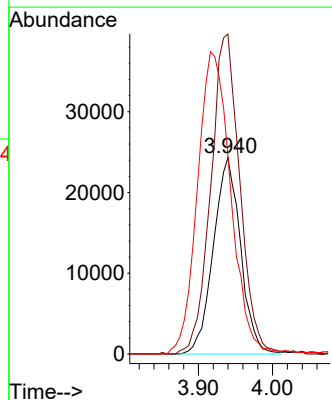
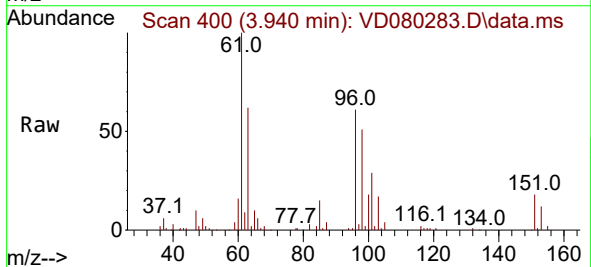
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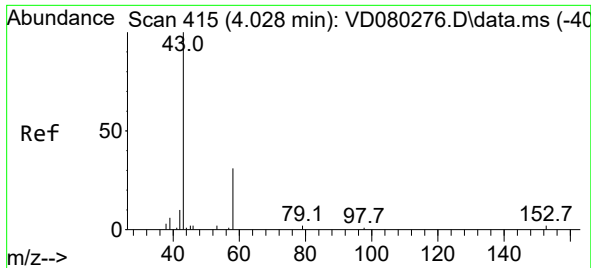
Tgt Ion:101 Resp: 72375
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.7 53.5#
 151 71.9 55.6 83.4



#12
 1,1-Dichloroethene
 Concen: 24.17 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.006 min
 Lab File: VD080283.D
 Acq: 18 Mar 2025 16:52

Tgt Ion: 96 Resp: 61997
 Ion Ratio Lower Upper
 96 100
 61 163.1 112.5 208.9
 63 101.3 71.3 132.5





#13

Acetone

Concen: 43.23 ug/L

RT: 4.028 min Scan# 41

Delta R.T. -0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

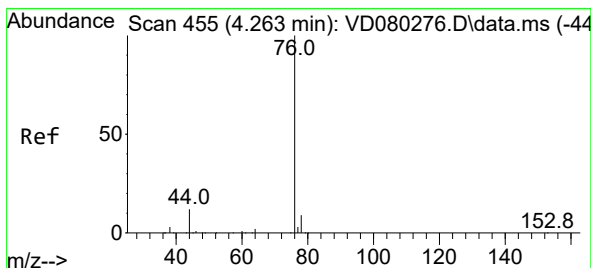
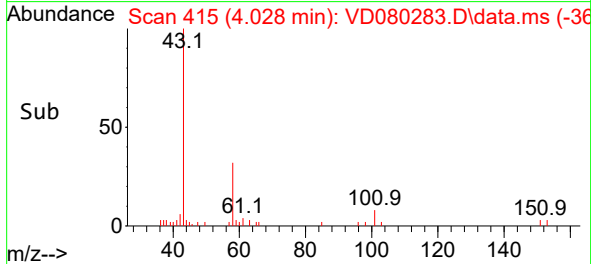
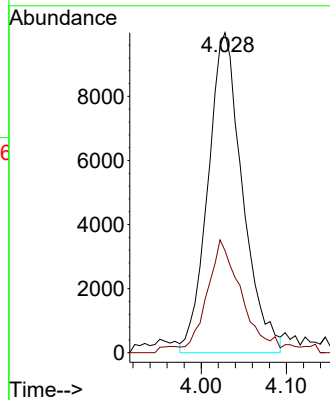
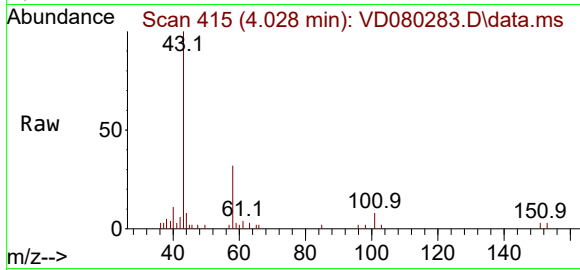
VSTD02506

Tgt Ion: 43 Resp: 28130

Ion Ratio Lower Upper

43 100

58 34.2 0.0 65.2



#14

Carbon disulfide

Concen: 24.12 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.006 min

Lab File: VD080283.D

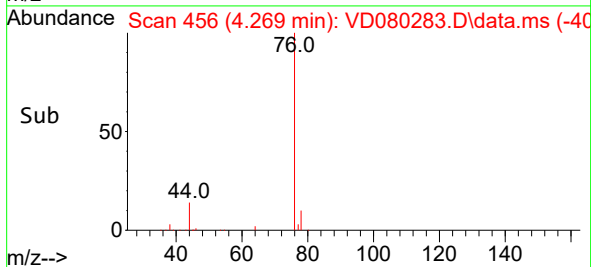
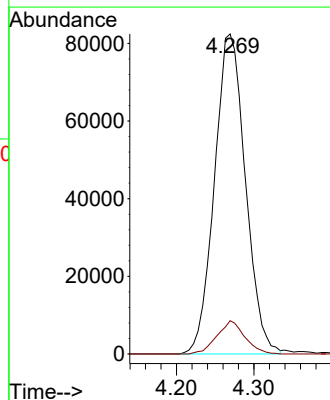
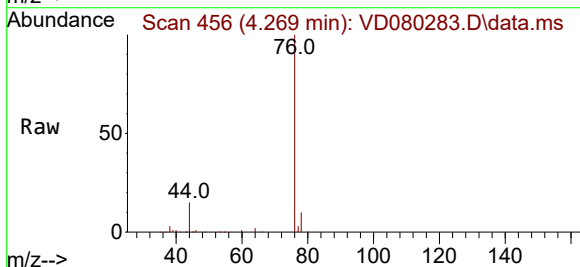
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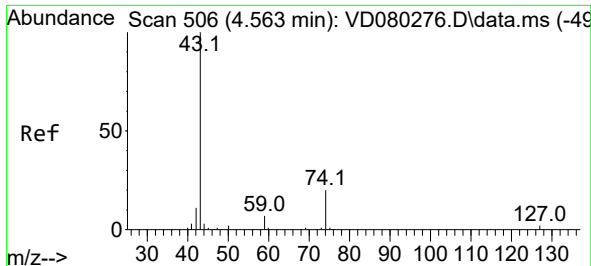
Tgt Ion: 76 Resp: 229171

Ion Ratio Lower Upper

76 100

78 10.4 7.2 10.8

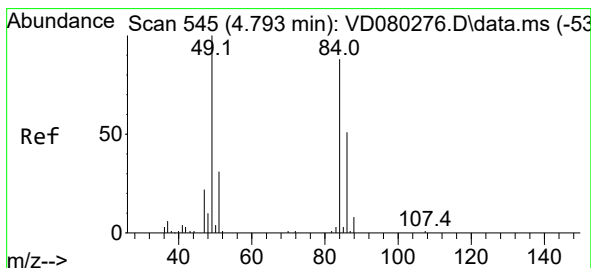
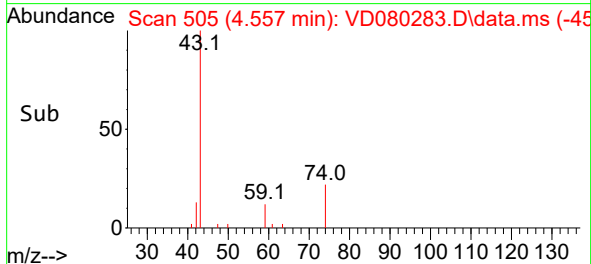
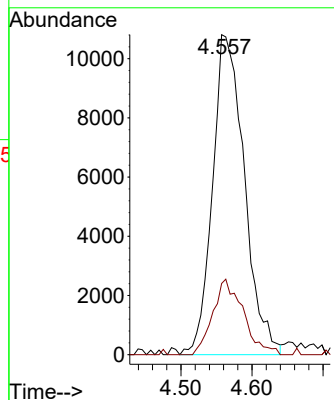
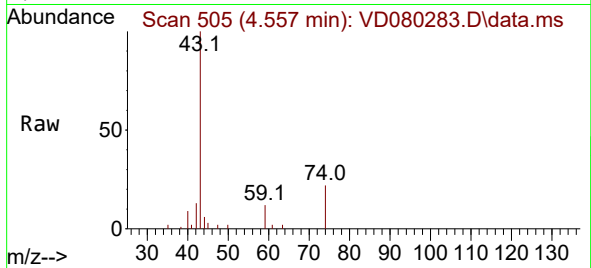




#15
Methyl Acetate
Concen: 24.50 ug/L
RT: 4.557 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

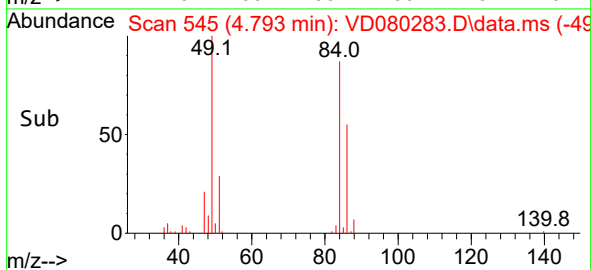
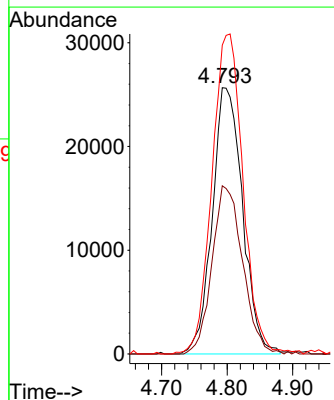
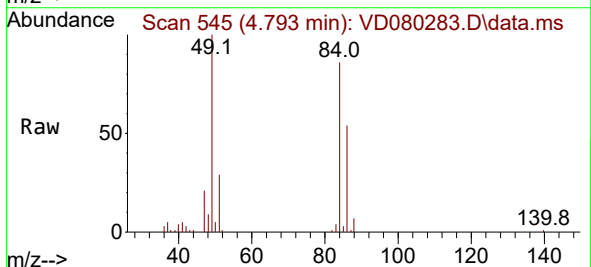
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

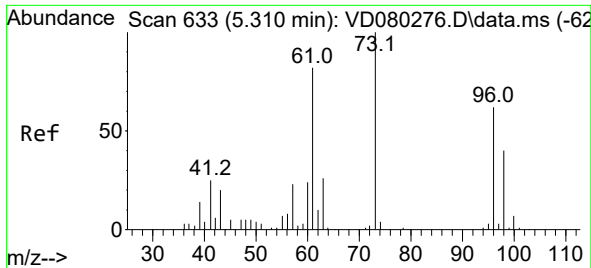
Tgt Ion: 43 Resp: 33675
Ion Ratio Lower Upper
43 100
74 22.4 17.2 25.8



#16
Methylene chloride
Concen: 24.01 ug/L
RT: 4.793 min Scan# 545
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion: 84 Resp: 82342
Ion Ratio Lower Upper
84 100
86 63.1 40.9 75.9
49 116.0 79.7 147.9

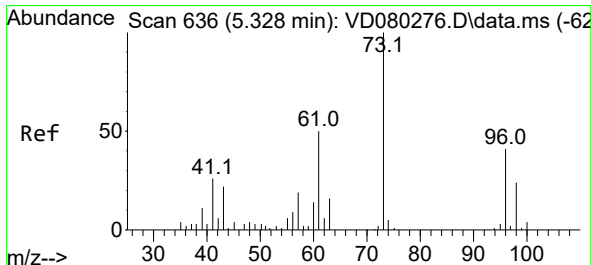
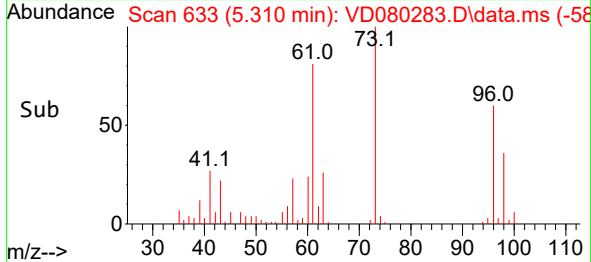
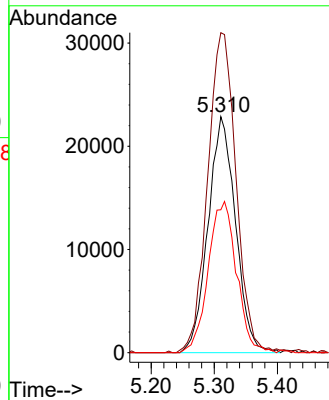
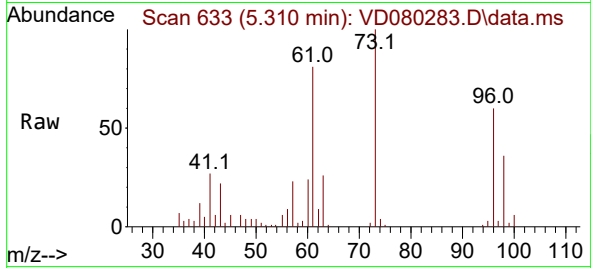




#17
trans-1,2-Dichloroethene
Concen: 24.95 ug/L
RT: 5.310 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

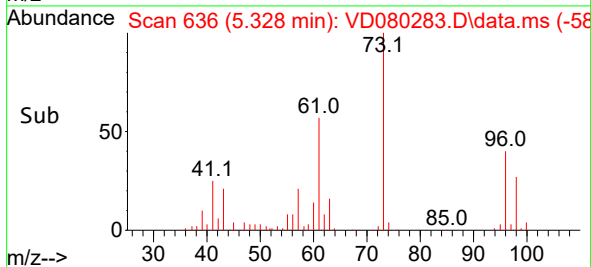
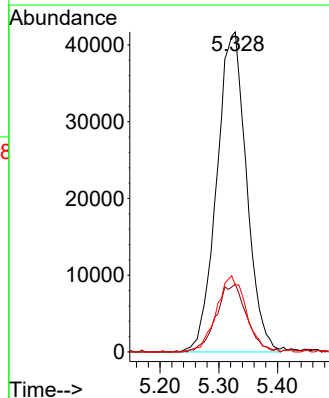
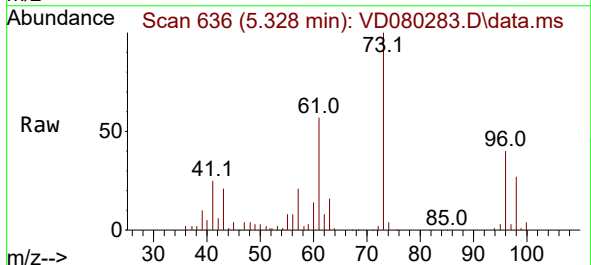
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

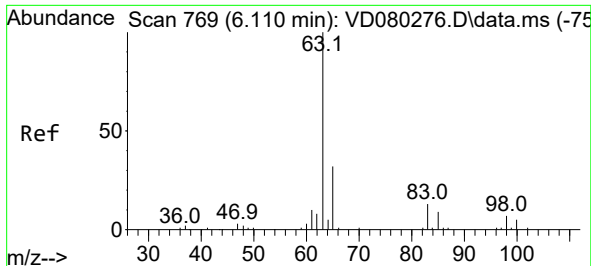
Tgt Ion: 96 Resp: 69206
Ion Ratio Lower Upper
96 100
61 135.6 92.4 171.6
98 60.6 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 25.24 ug/L
RT: 5.328 min Scan# 636
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion: 73 Resp: 147063
Ion Ratio Lower Upper
73 100
43 9.9 17.2 25.8#
57 23.6 18.8 28.2





#19

1,1-Dichloroethane

Concen: 24.87 ug/L

RT: 6.110 min Scan# 769

Delta R.T. 0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

VSTD02506

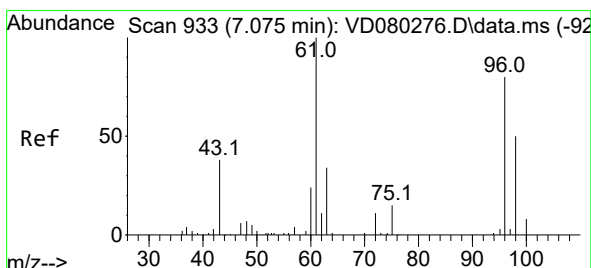
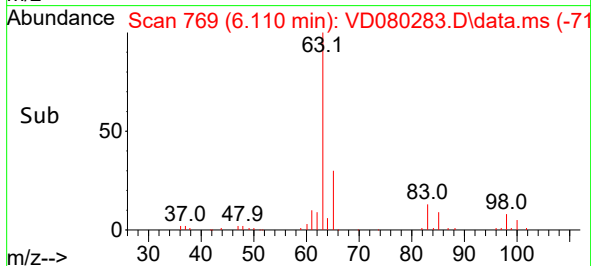
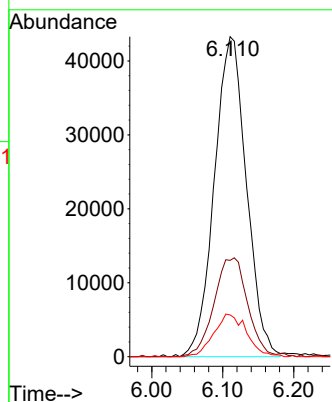
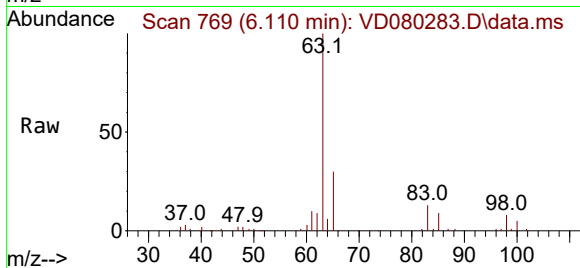
Tgt Ion: 63 Resp: 135584

Ion Ratio Lower Upper

63 100

65 30.1 22.4 41.6

83 13.1 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 26.07 ug/L

RT: 7.075 min Scan# 933

Delta R.T. -0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

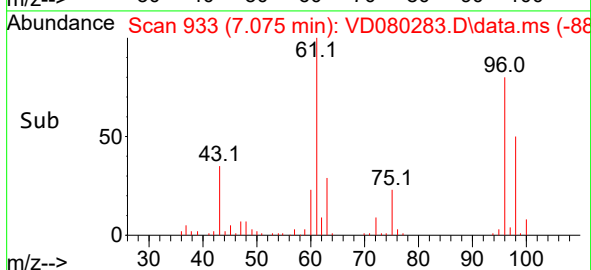
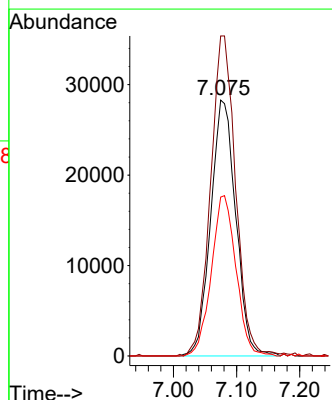
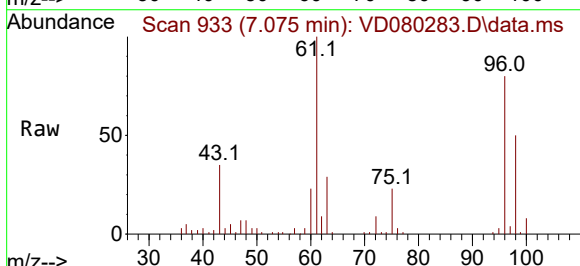
Tgt Ion: 96 Resp: 77981

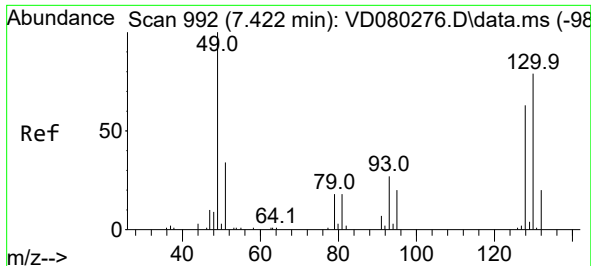
Ion Ratio Lower Upper

96 100

61 125.0 87.8 163.0

98 62.1 43.7 81.1

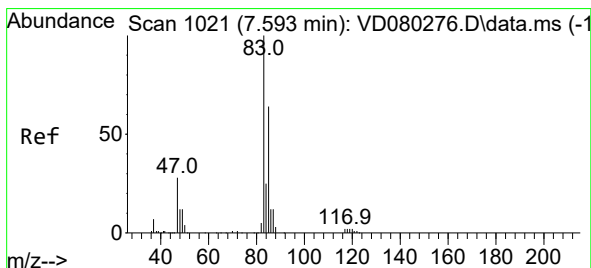
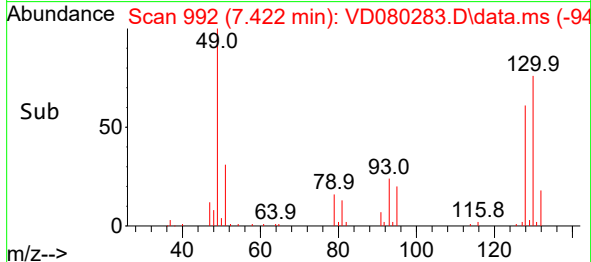
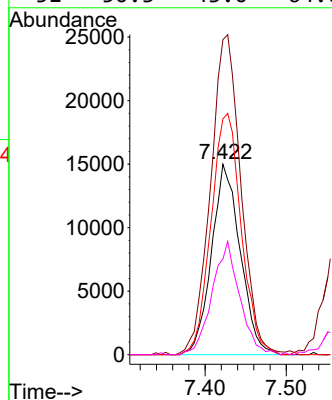
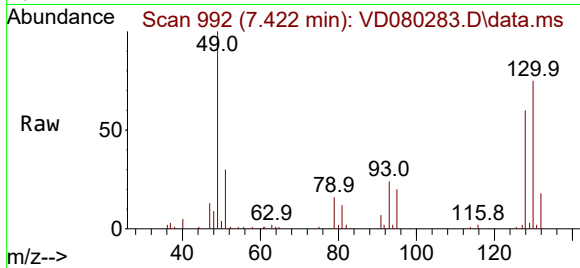




#23
Bromochloromethane
Concen: 25.82 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

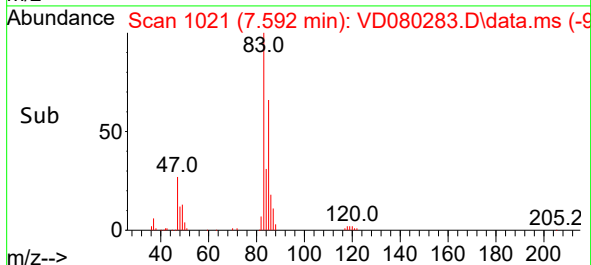
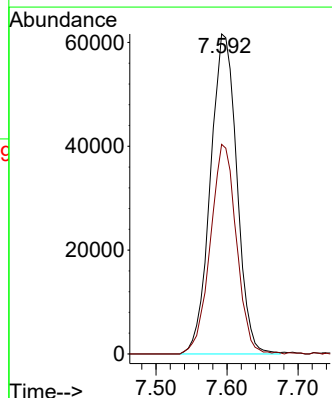
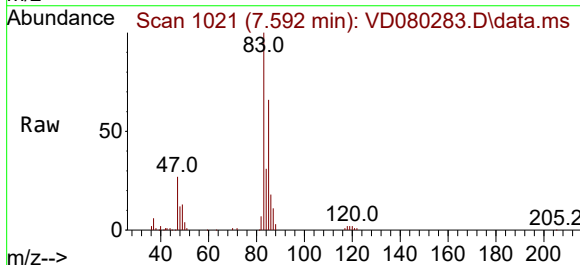
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

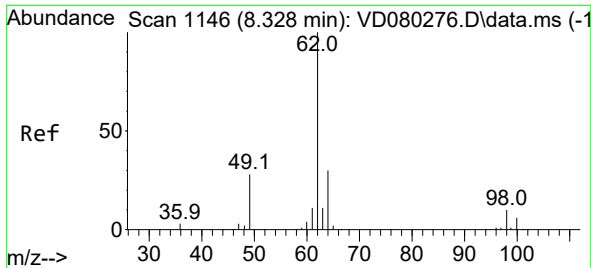
Tgt Ion:	128	Resp:	36881
Ion	Ratio	Lower	Upper
128	100		
49	165.5	112.6	209.0
130	123.7	89.7	166.5
51	50.3	43.0	64.6



#25
Chloroform
Concen: 27.26 ug/L
RT: 7.592 min Scan# 1021
Delta R.T. -0.001 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion:	83	Resp:	159007
Ion	Ratio	Lower	Upper
83	100		
85	65.5	45.1	83.7





#27

1,2-Dichloroethane

Concen: 26.33 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

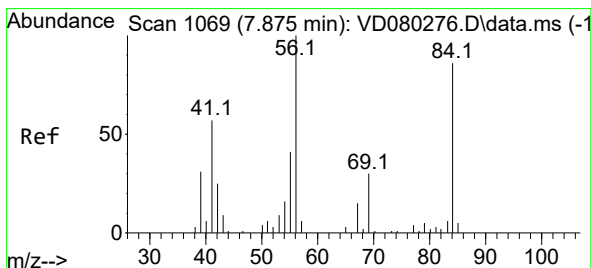
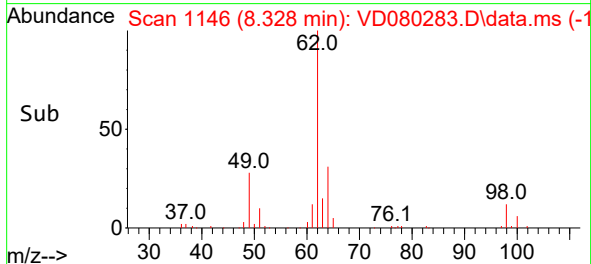
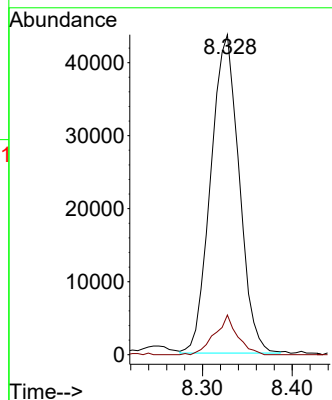
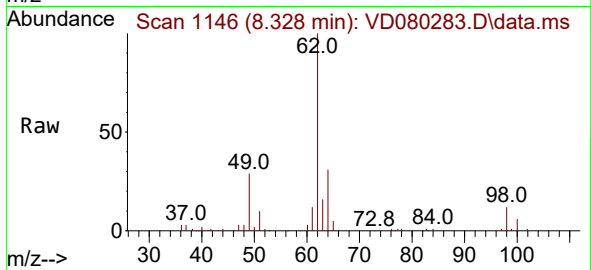
VSTD02506

Tgt Ion: 62 Resp: 95861

Ion Ratio Lower Upper

62 100

98 12.4 8.2 12.2#



#29

Cyclohexane

Concen: 27.28 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

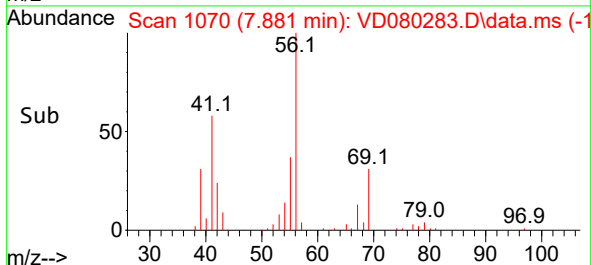
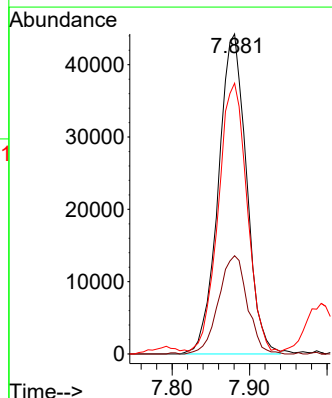
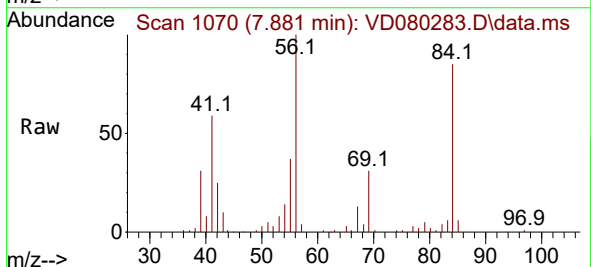
Tgt Ion: 56 Resp: 111884

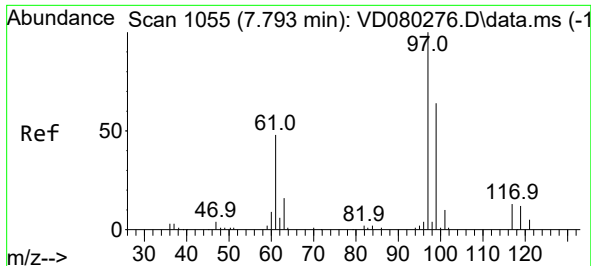
Ion Ratio Lower Upper

56 100

69 31.3 24.6 37.0

84 87.2 71.4 107.2

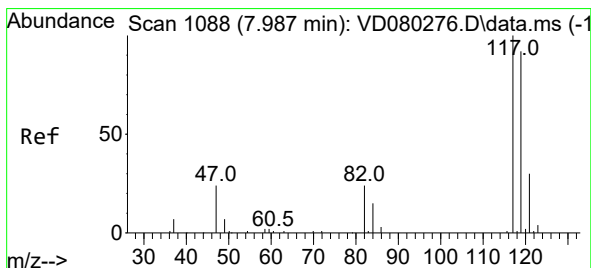
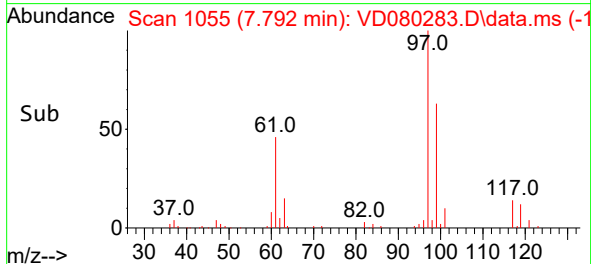
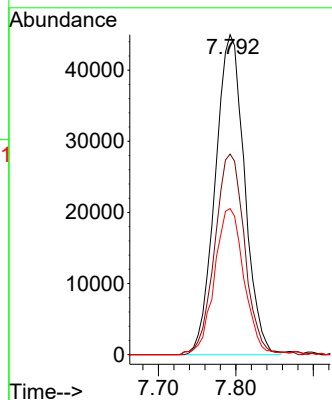
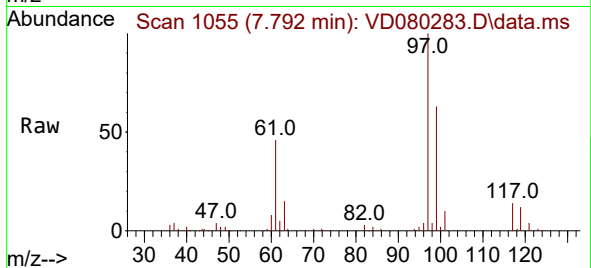




#30
1,1,1-Trichloroethane
Concen: 25.89 ug/L
RT: 7.792 min Scan# 1055
Delta R.T. -0.001 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

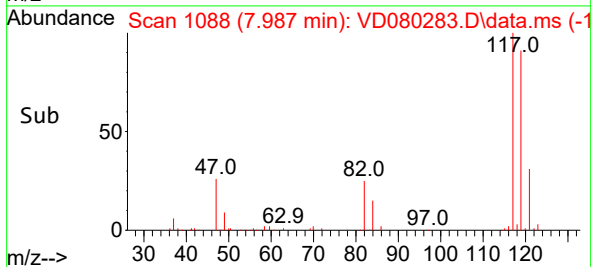
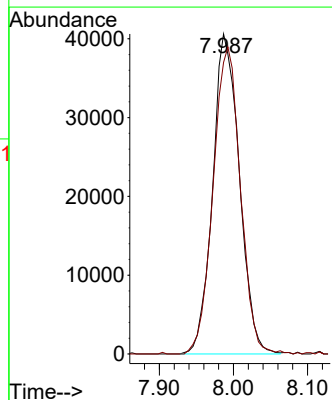
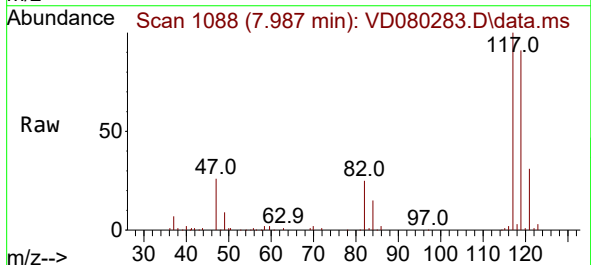
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

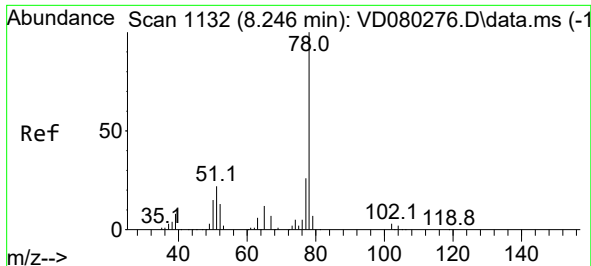
Tgt Ion: 97 Resp: 118530
Ion Ratio Lower Upper
97 100
99 63.3 51.9 77.9
61 45.9 36.7 55.1



#31
Carbon tetrachloride
Concen: 25.30 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion: 117 Resp: 101667
Ion Ratio Lower Upper
117 100
119 97.7 76.0 114.0

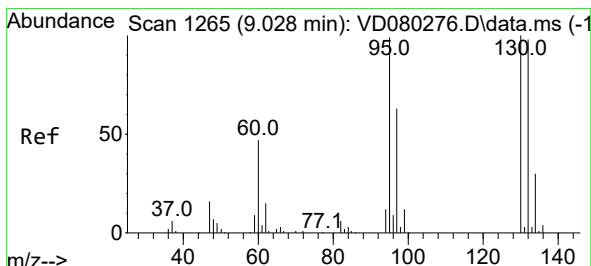
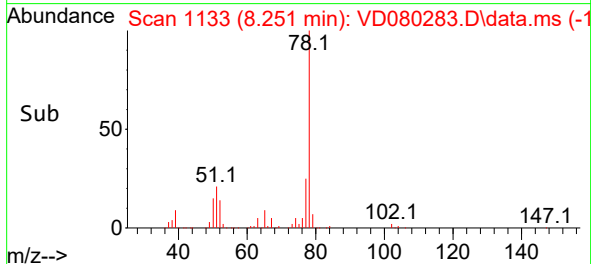
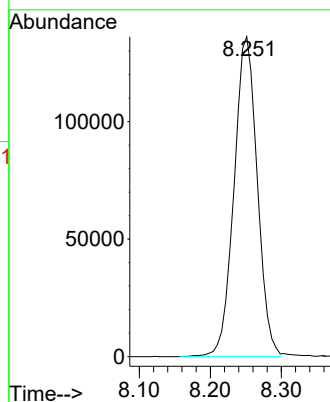
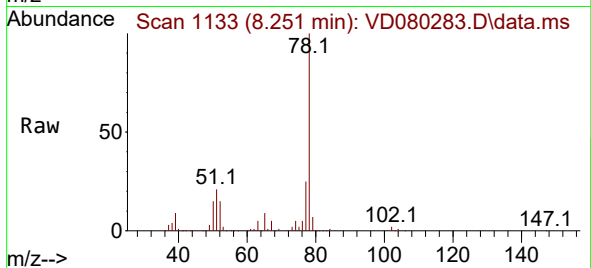




#33
Benzene
Concen: 27.38 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.005 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

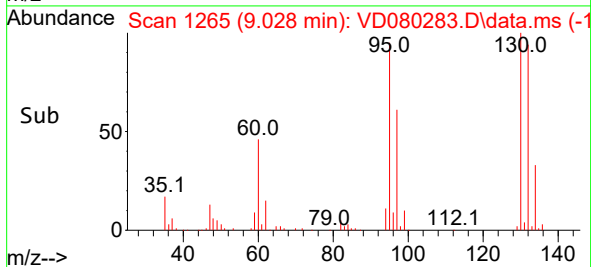
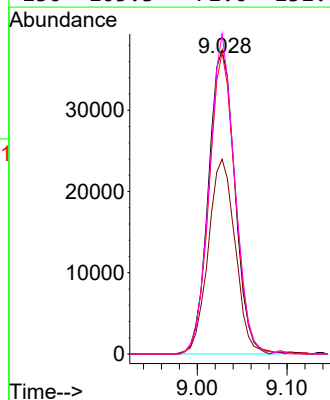
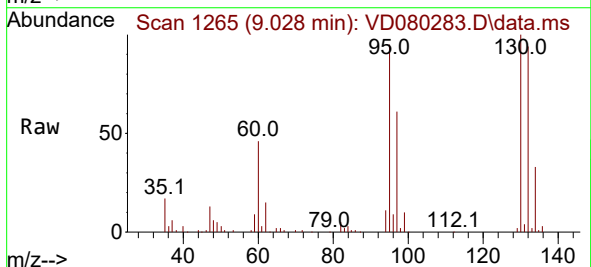
Tgt Ion: 78 Resp: 309992

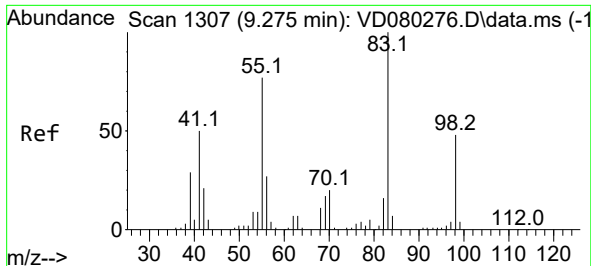


#34
Trichloroethene
Concen: 25.37 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion: 95 Resp: 76672

Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.1	83.7
132	99.3	69.5	129.1
130	105.3	71.0	131.8

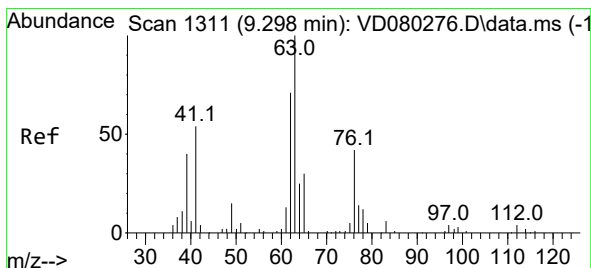
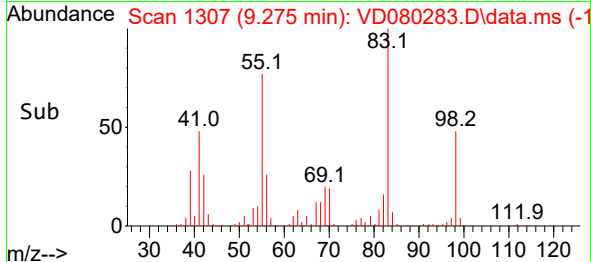
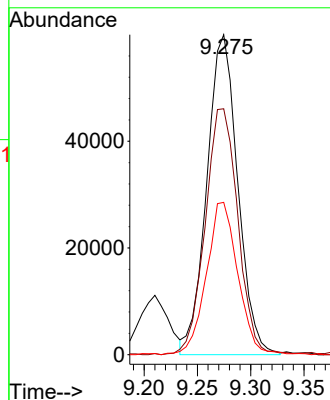
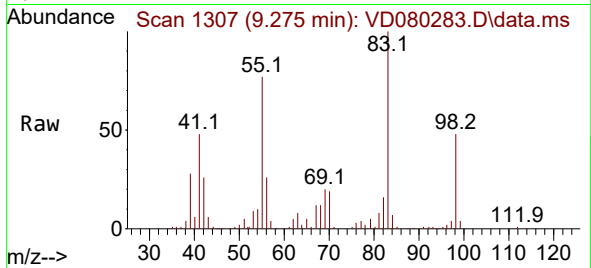




#35
Methylcyclohexane
Concen: 28.28 ug/L
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

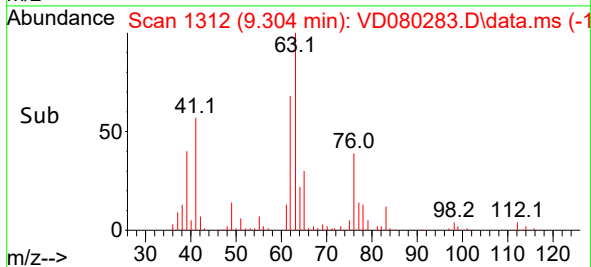
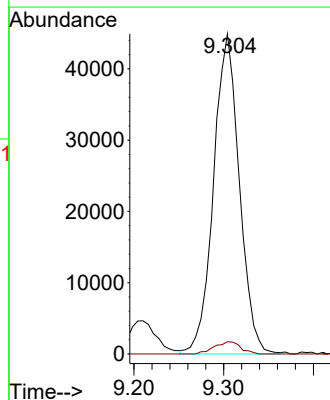
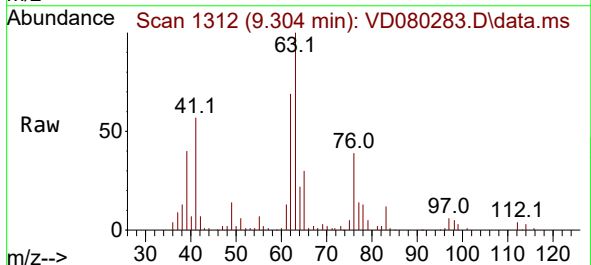
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

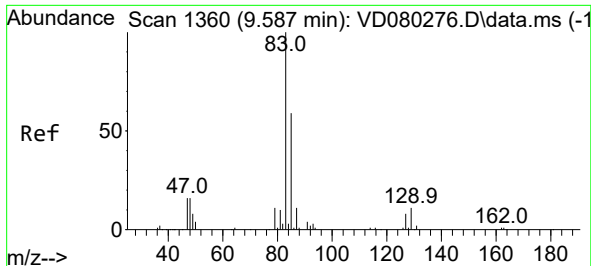
Tgt Ion: 83 Resp: 121096
Ion Ratio Lower Upper
83 100
55 81.1 65.0 97.6
98 48.4 39.0 58.6



#37
1,2-Dichloropropane
Concen: 27.31 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion: 63 Resp: 89691
Ion Ratio Lower Upper
63 100
112 3.9 3.4 5.2

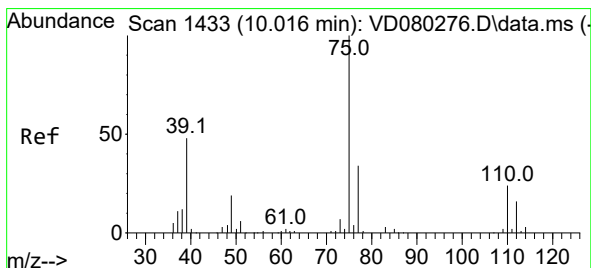
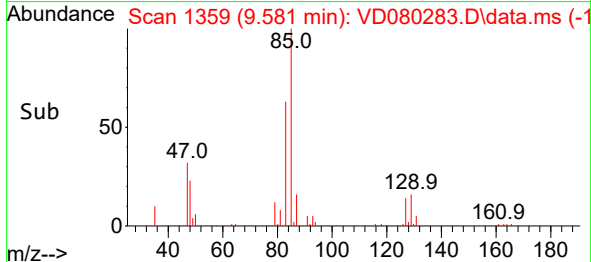
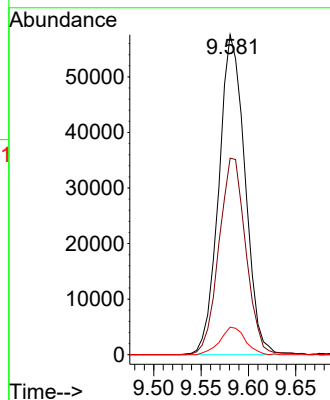
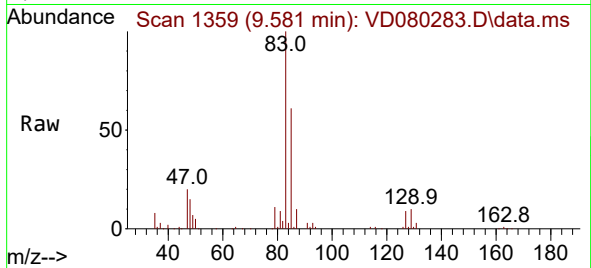




#38
Bromodichloromethane
Concen: 26.51 ug/L
RT: 9.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

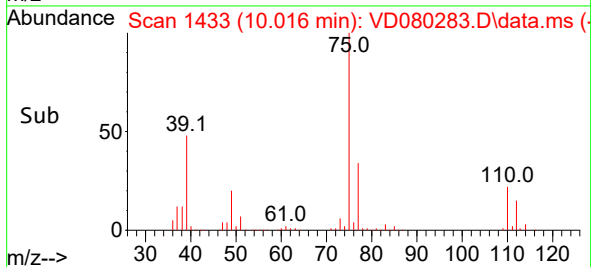
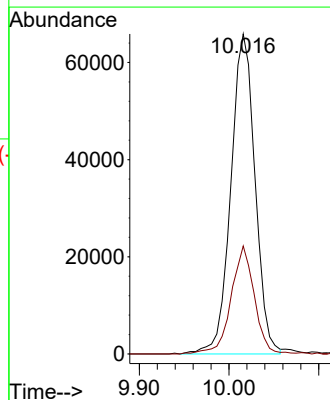
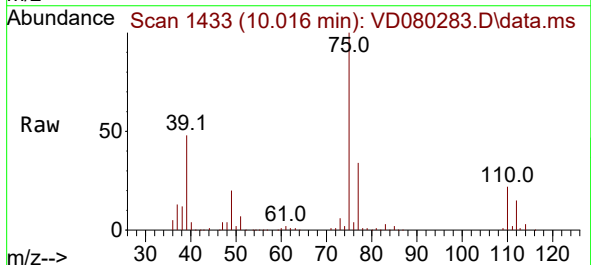
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

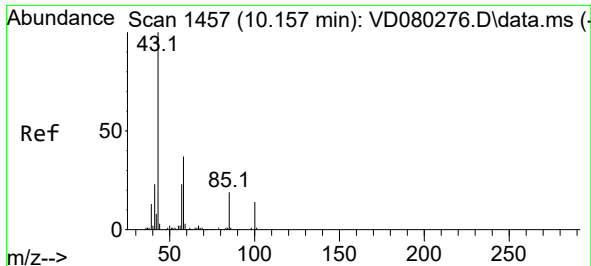
Tgt Ion: 83 Resp: 110523
Ion Ratio Lower Upper
83 100
85 61.4 41.4 77.0
127 8.6 6.6 10.0



#39
cis-1,3-Dichloropropene
Concen: 25.90 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion: 75 Resp: 123302
Ion Ratio Lower Upper
75 100
77 33.8 23.7 43.9

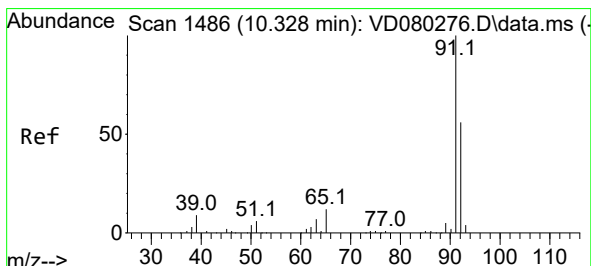
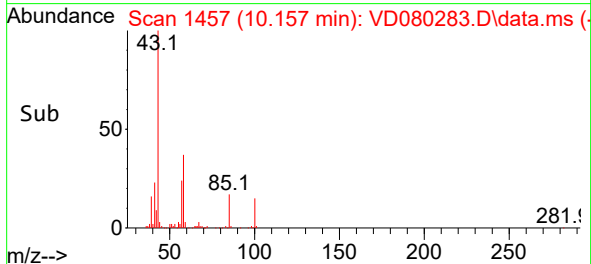
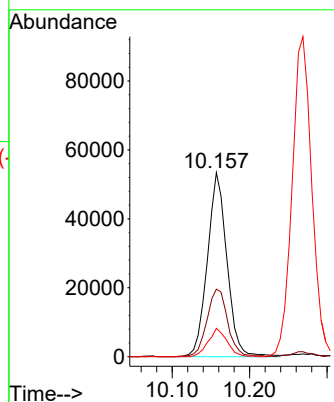
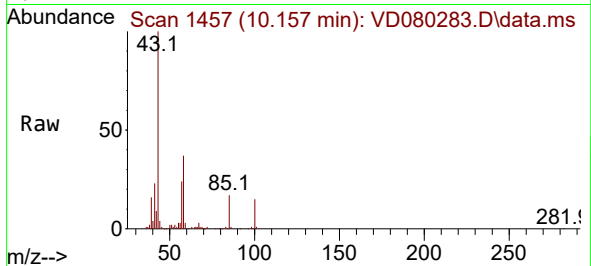




#40
4-Methyl-2-pentanone
Concen: 53.84 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

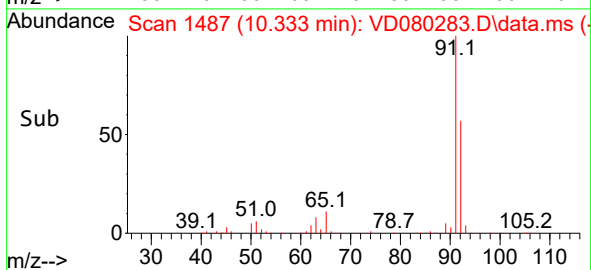
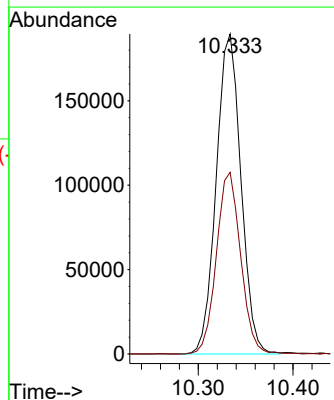
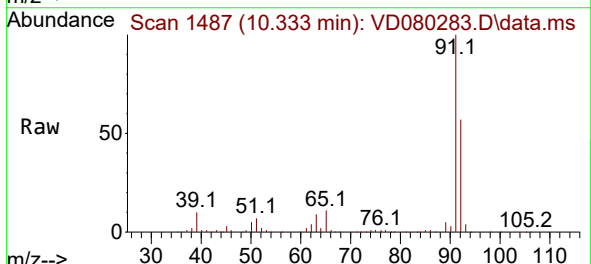
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

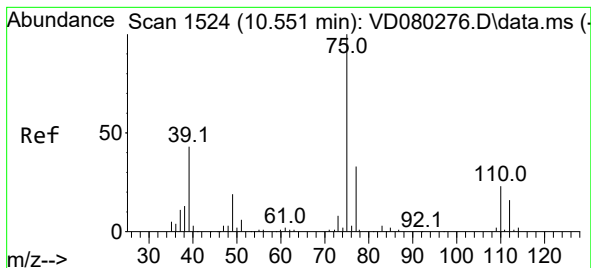
Tgt Ion:	43	Resp:	93572
Ion Ratio	Lower	Upper	
43	100		
58	38.9	29.9	44.9
100	14.8	11.3	16.9



#42
Toluene
Concen: 28.42 ug/L
RT: 10.333 min Scan# 1487
Delta R.T. 0.005 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion:	91	Resp:	343567
Ion Ratio	Lower	Upper	
91	100		
92	56.8	38.9	72.3





#44

trans-1,3-Dichloropropene

Concen: 28.23 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

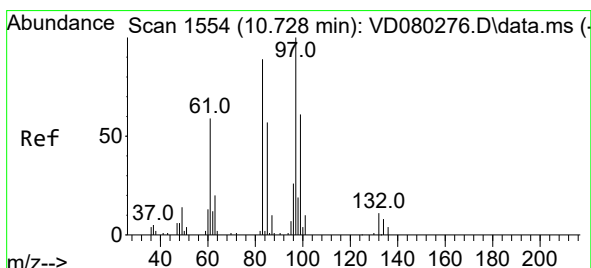
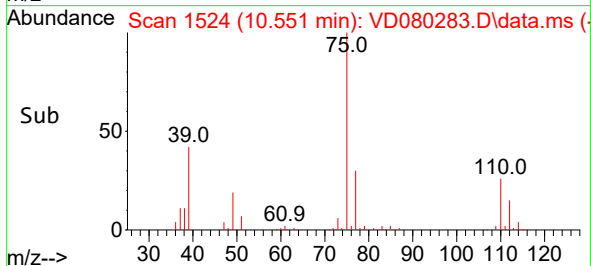
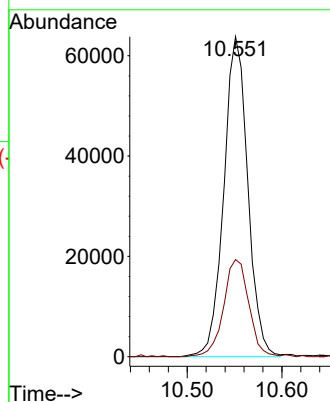
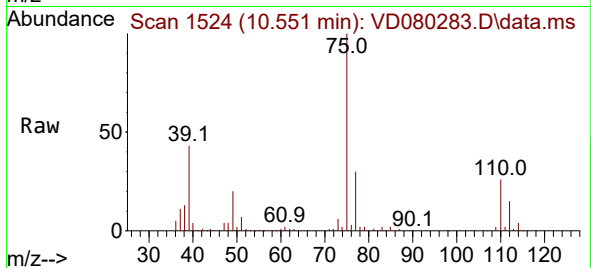
VSTD02506

Tgt Ion: 75 Resp: 112194

Ion Ratio Lower Upper

75 100

77 30.3 22.9 42.5



#45

1,1,2-Trichloroethane

Concen: 26.79 ug/L

RT: 10.733 min Scan# 1555

Delta R.T. 0.005 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

Tgt Ion: 97 Resp: 65890

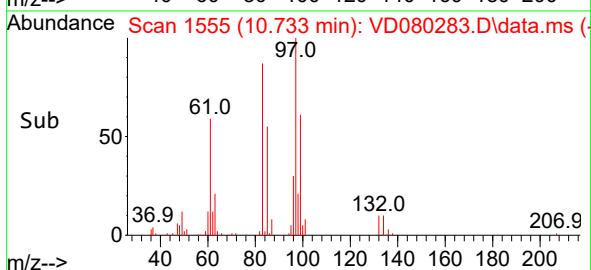
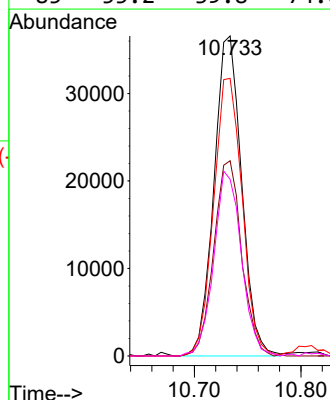
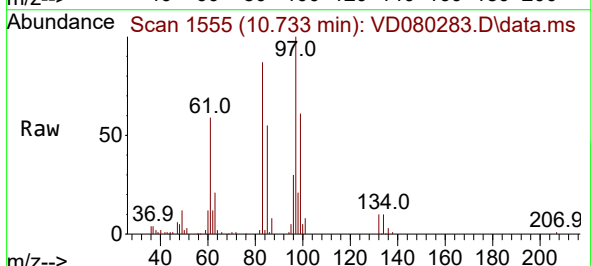
Ion Ratio Lower Upper

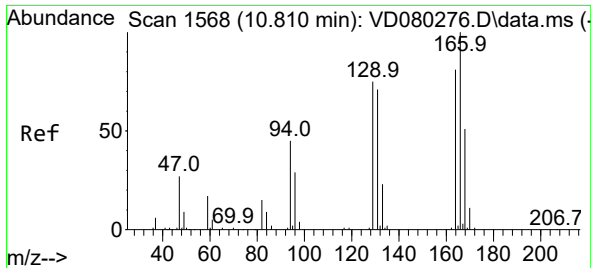
97 100

99 61.0 43.0 79.8

83 86.7 62.2 115.4

85 55.2 39.8 74.0

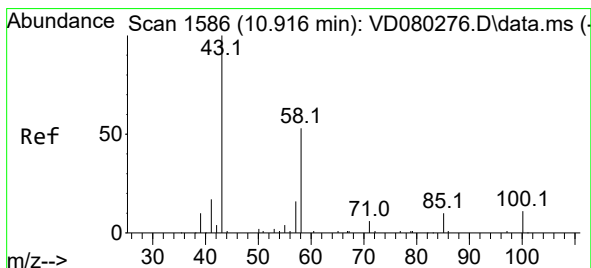
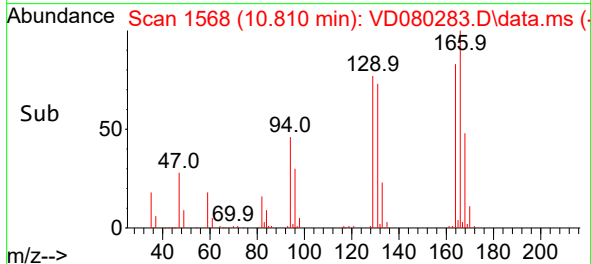
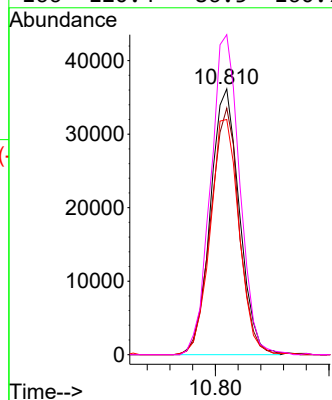
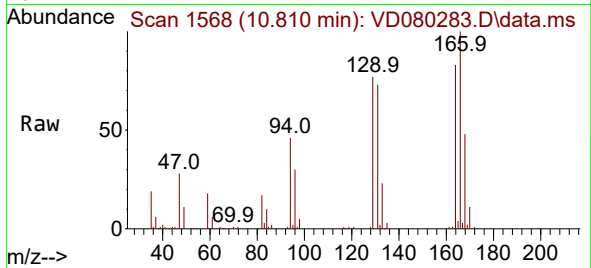




#46
Tetrachloroethene
Concen: 27.18 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

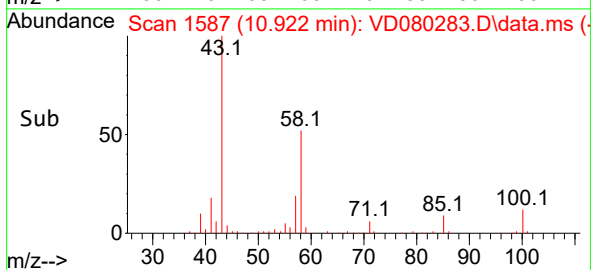
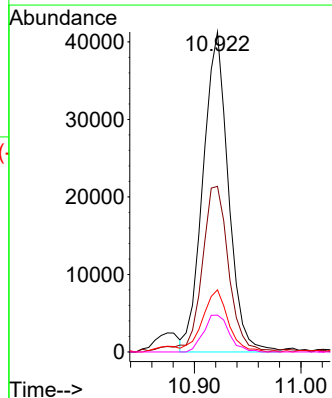
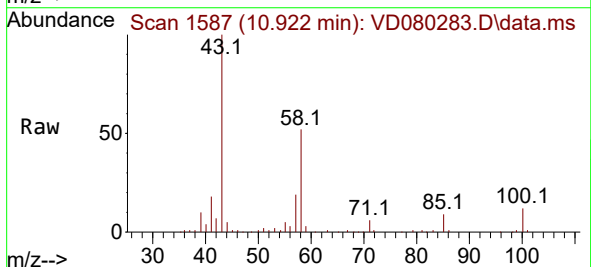
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

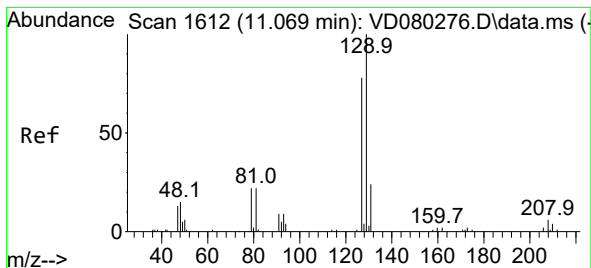
Tgt Ion:164 Resp: 63829
Ion Ratio Lower Upper
164 100
129 92.8 64.9 120.5
131 88.5 61.5 114.3
166 120.4 86.5 160.7



#48
2-Hexanone
Concen: 54.36 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion: 43 Resp: 68451
Ion Ratio Lower Upper
43 100
58 52.6 42.8 64.2
57 19.6 15.0 22.4
100 11.6 9.7 14.5





#49

Dibromochloromethane

Concen: 25.76 ug/L

RT: 11.075 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

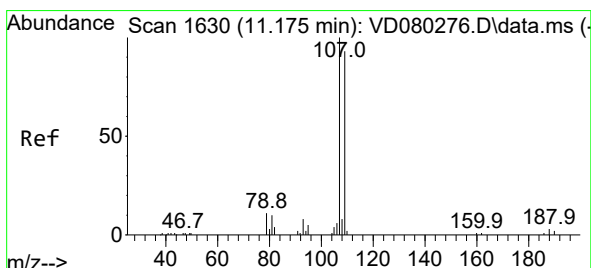
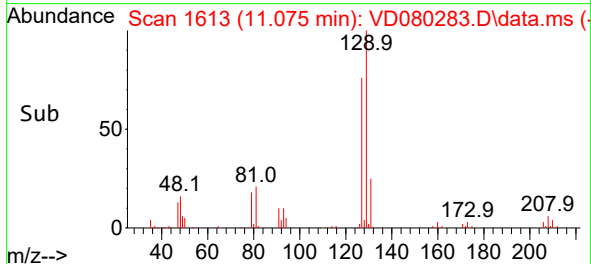
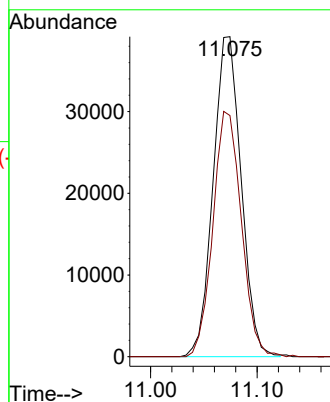
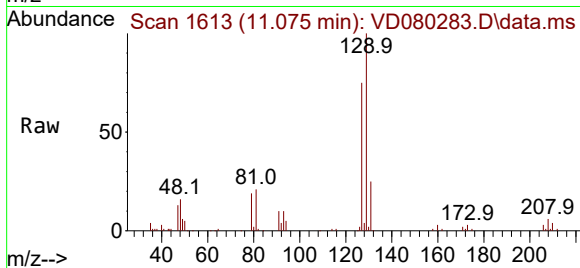
VSTD02506

Tgt Ion:129 Resp: 71624

Ion Ratio Lower Upper

129 100

127 75.4 54.9 101.9



#50

1,2-Dibromoethane

Concen: 27.21 ug/L

RT: 11.175 min Scan# 1630

Delta R.T. -0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

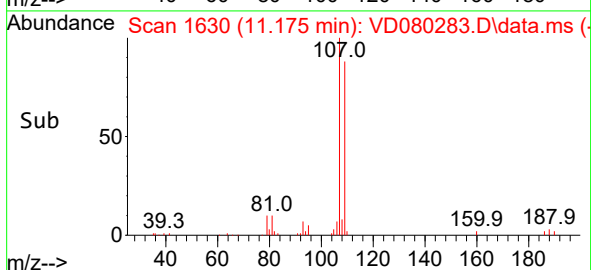
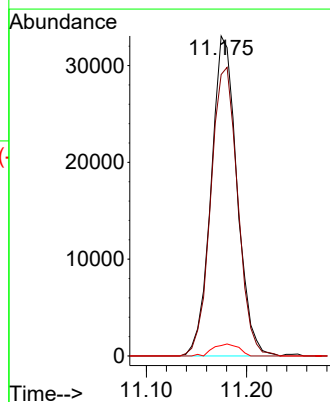
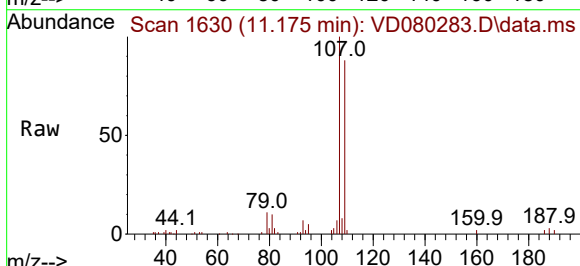
Tgt Ion:107 Resp: 59302

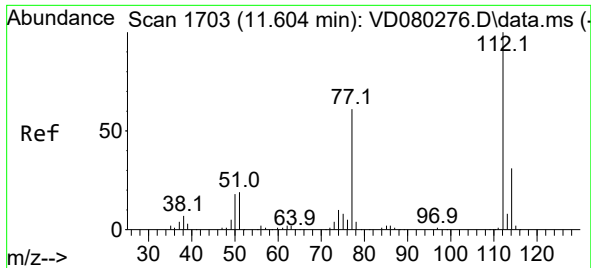
Ion Ratio Lower Upper

107 100

109 87.9 65.5 121.6

188 3.2 2.2 3.2

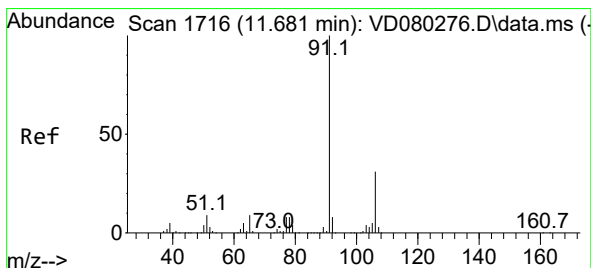
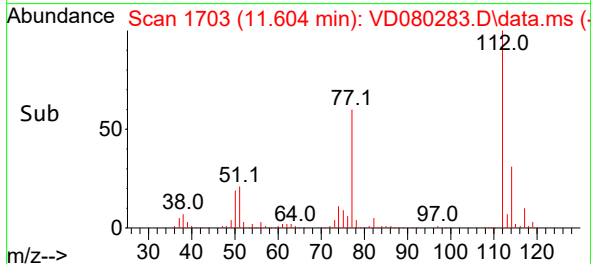
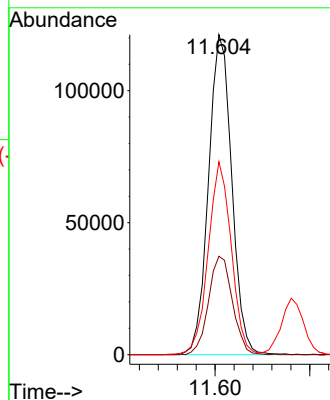
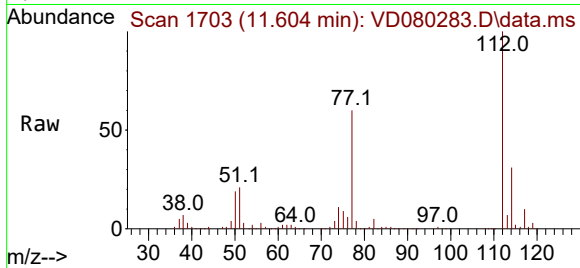




#51
Chlorobenzene
Concen: 25.83 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

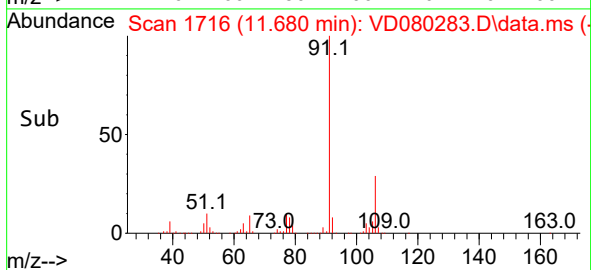
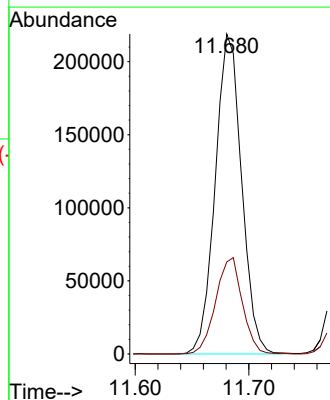
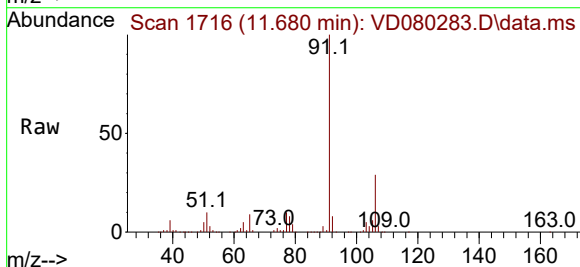
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

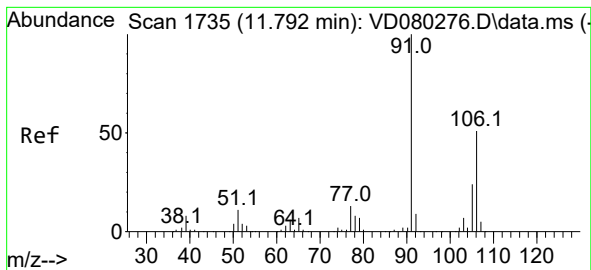
Tgt Ion:112 Resp: 206921
Ion Ratio Lower Upper
112 100
114 30.7 21.8 40.6
77 60.3 48.8 73.2



#52
Ethylbenzene
Concen: 26.81 ug/L
RT: 11.680 min Scan# 1716
Delta R.T. -0.001 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion: 91 Resp: 353159
Ion Ratio Lower Upper
91 100
106 28.8 21.4 39.8





#53

m,p-Xylene

Concen: 28.02 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

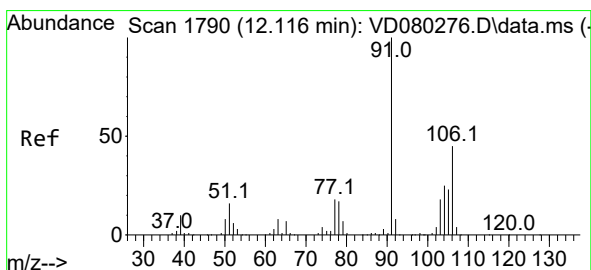
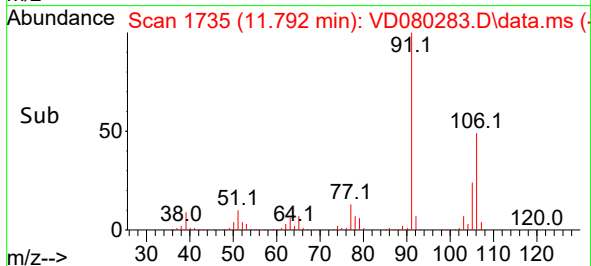
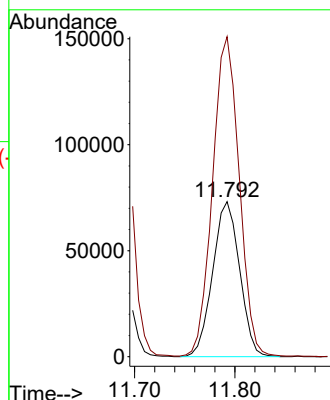
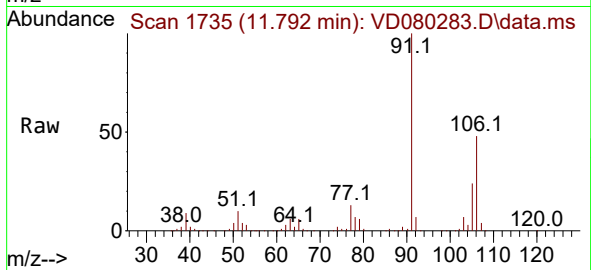
VSTD02506

Tgt Ion:106 Resp: 136514

Ion Ratio Lower Upper

106 100

91 206.3 138.0 256.2



#54

o-Xylene

Concen: 27.94 ug/L

RT: 12.116 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VD080283.D

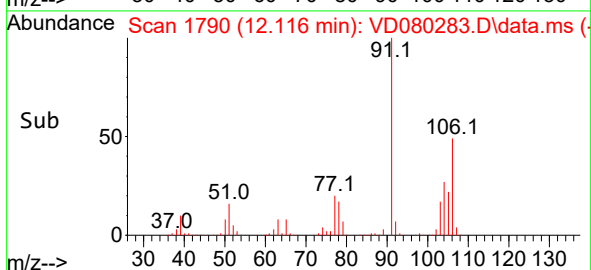
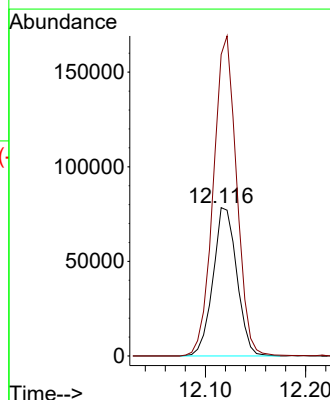
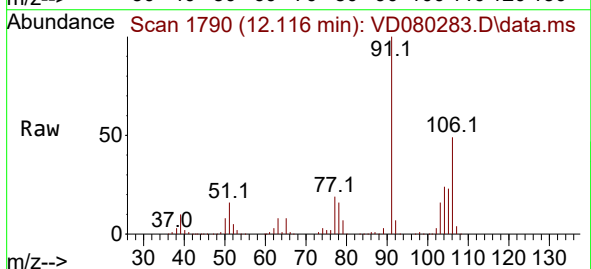
Acq: 18 Mar 2025 16:52

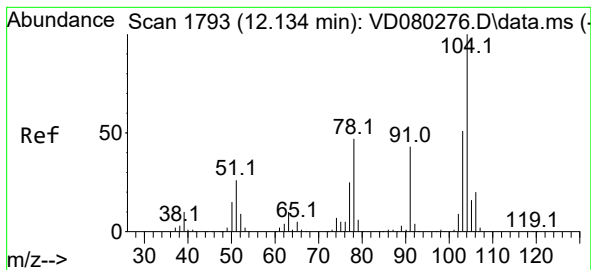
Tgt Ion:106 Resp: 129253

Ion Ratio Lower Upper

106 100

91 203.2 156.5 290.7





#55

Styrene

Concen: 28.09 ug/L

RT: 12.133 min Scan# 1

Delta R.T. -0.001 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

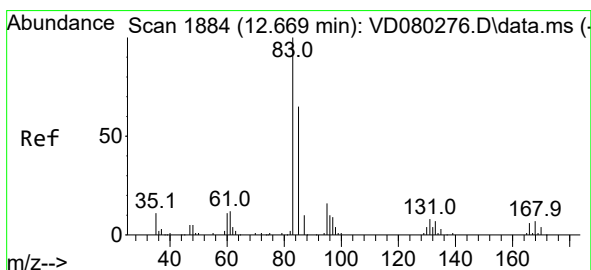
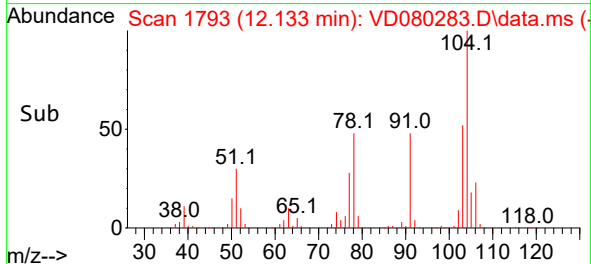
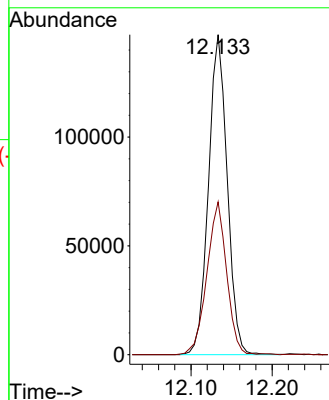
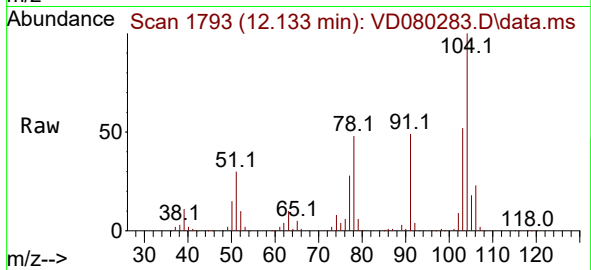
VSTD02506

Tgt Ion:104 Resp: 235509

Ion Ratio Lower Upper

104 100

78 47.8 32.7 60.7



#57

1,1,2,2-Tetrachloroethane

Concen: 23.61 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

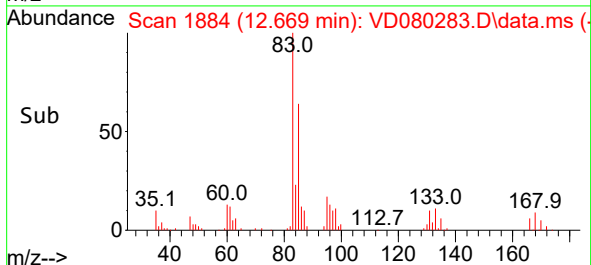
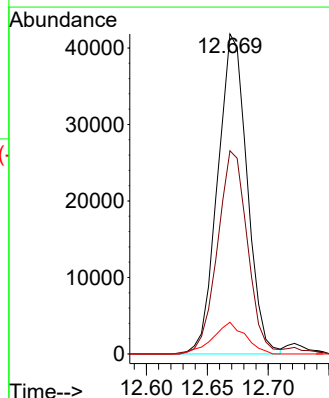
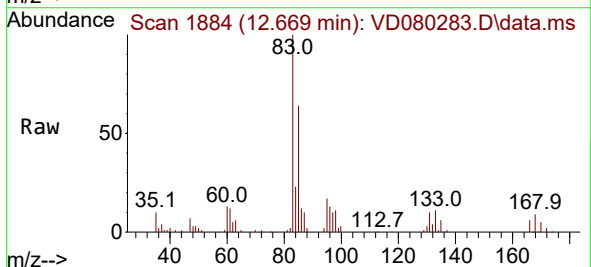
Tgt Ion: 83 Resp: 70293

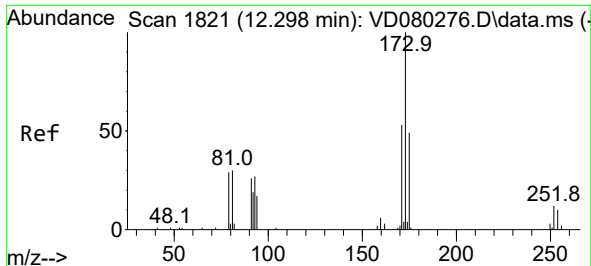
Ion Ratio Lower Upper

83 100

85 63.5 46.1 85.7

131 9.9 6.9 10.3

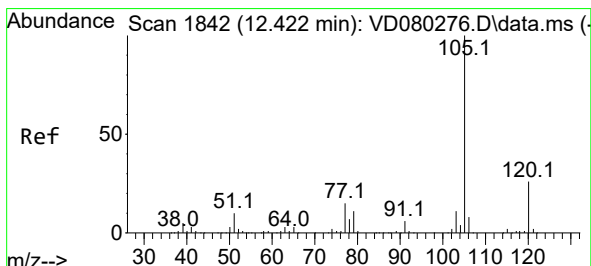
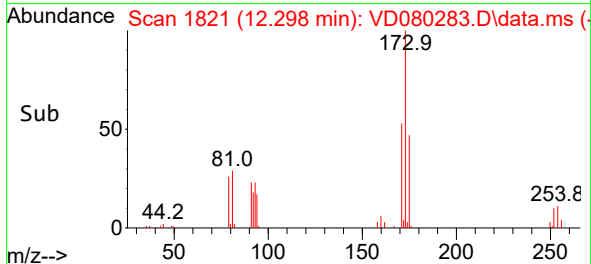
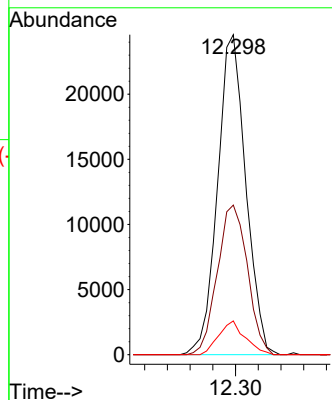
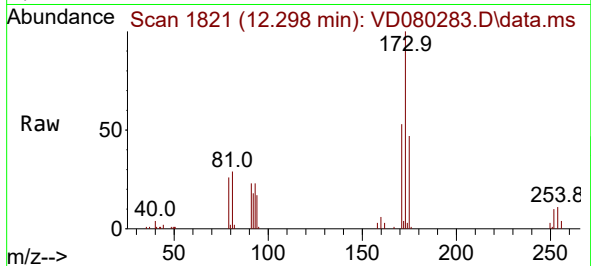




#59
Bromoform
Concen: 26.88 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

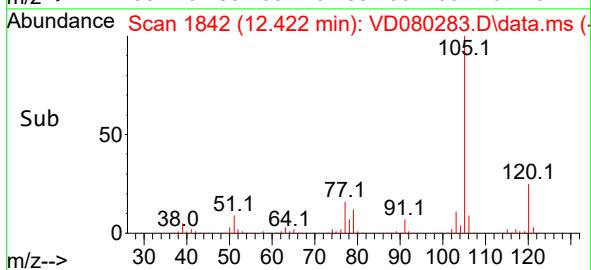
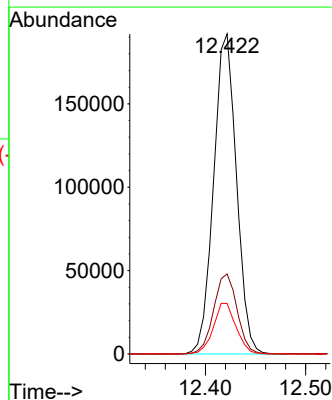
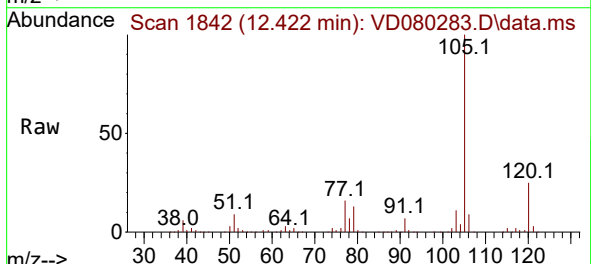
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

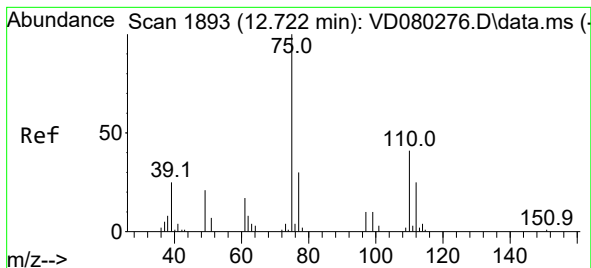
Tgt Ion:173 Resp: 42450
Ion Ratio Lower Upper
173 100
175 49.8 38.8 58.2
254 9.9 7.8 11.6



#60
Isopropylbenzene
Concen: 26.46 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion:105 Resp: 303763
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0
77 15.8 12.5 18.7





#61

1,2,3-Trichloropropane

Concen: 25.10 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

VSTD02506

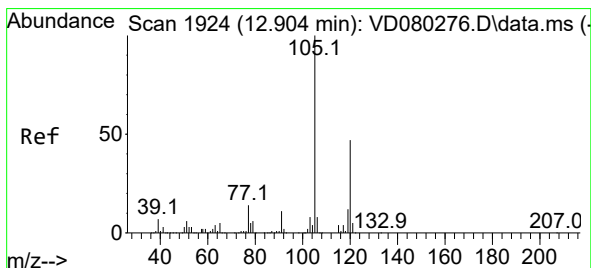
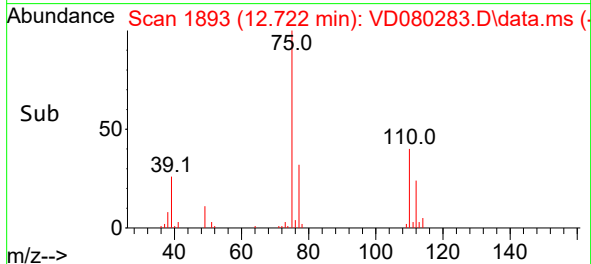
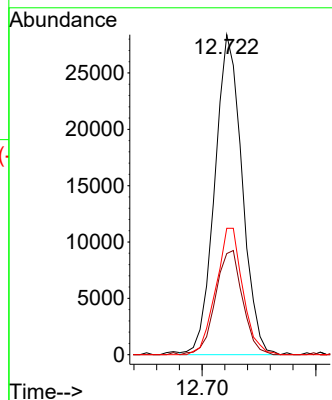
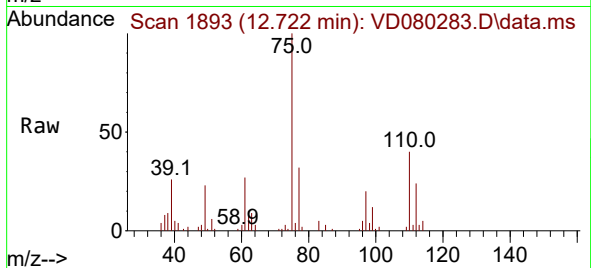
Tgt Ion: 75 Resp: 47417

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3

110 38.9 30.7 46.1



#62

1,3,5-Trimethylbenzene

Concen: 26.36 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD080283.D

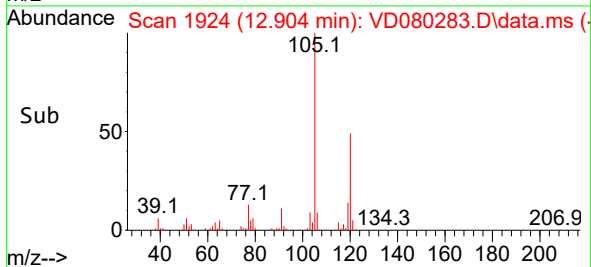
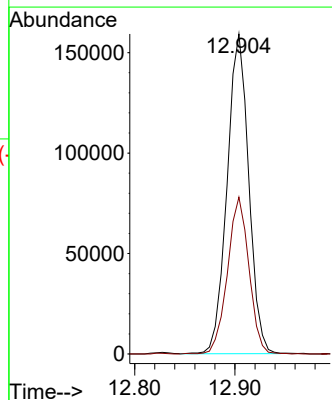
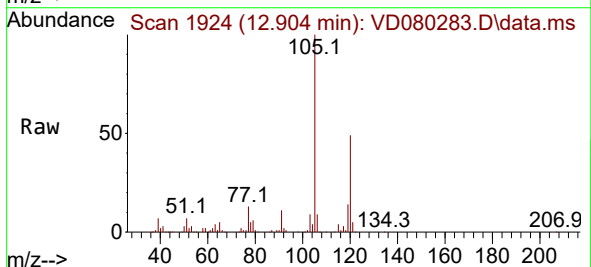
Acq: 18 Mar 2025 16:52

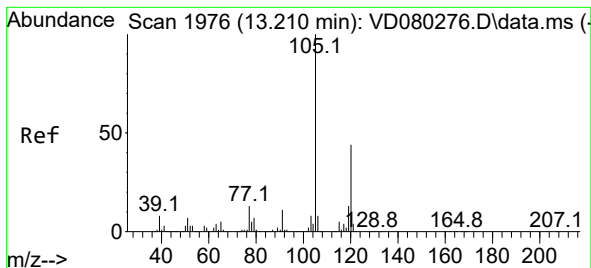
Tgt Ion: 105 Resp: 238392

Ion Ratio Lower Upper

105 100

120 48.6 38.0 57.0





#63

1,2,4-Trimethylbenzene

Concen: 26.10 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

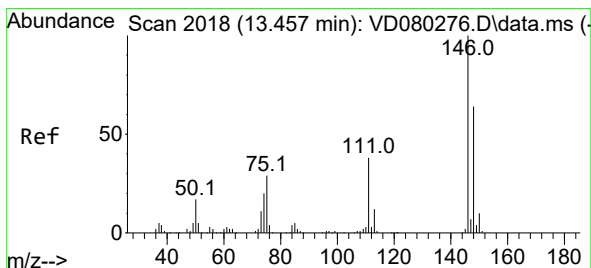
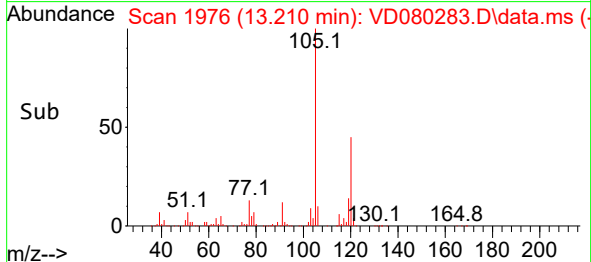
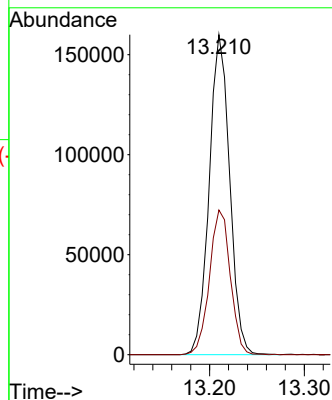
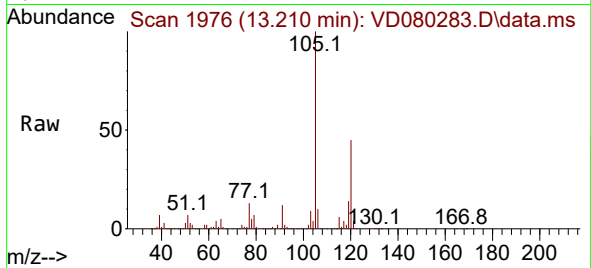
VSTD02506

Tgt Ion:105 Resp: 239895

Ion Ratio Lower Upper

105 100

120 46.0 36.2 54.4



#64

1,3-Dichlorobenzene

Concen: 25.46 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD080283.D

Acq: 18 Mar 2025 16:52

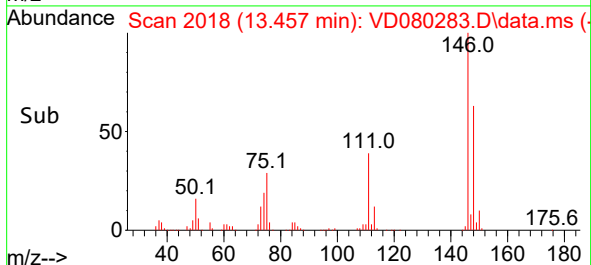
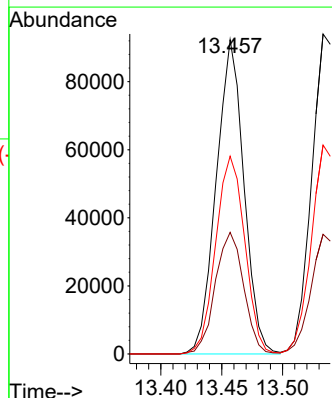
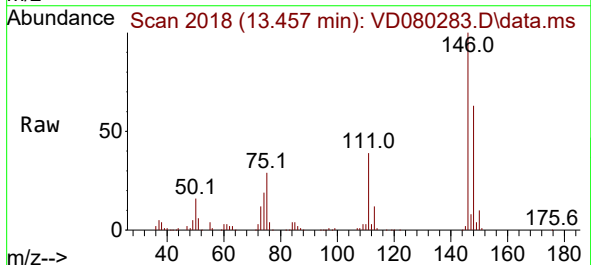
Tgt Ion:146 Resp: 146026

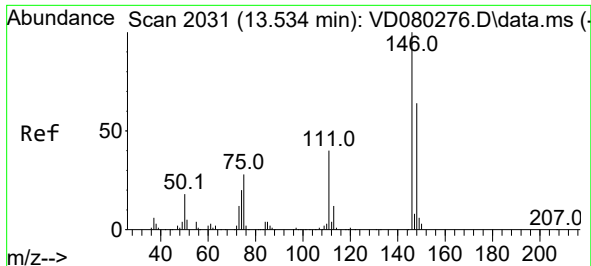
Ion Ratio Lower Upper

146 100

111 38.7 26.9 49.9

148 62.9 44.5 82.7

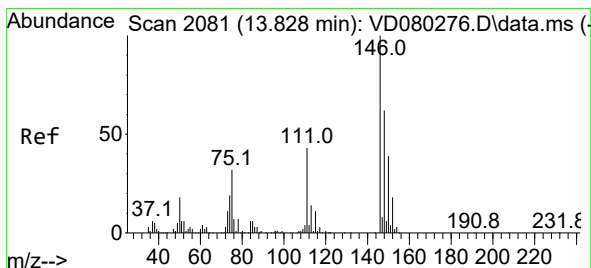
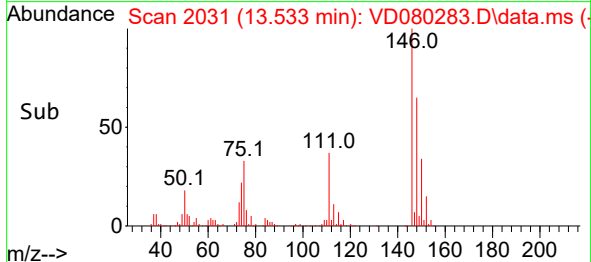
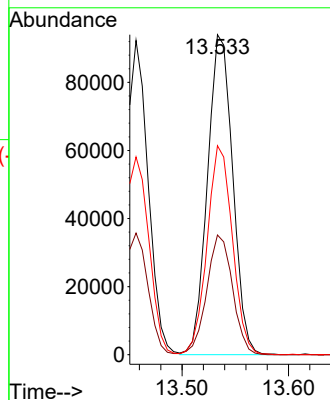
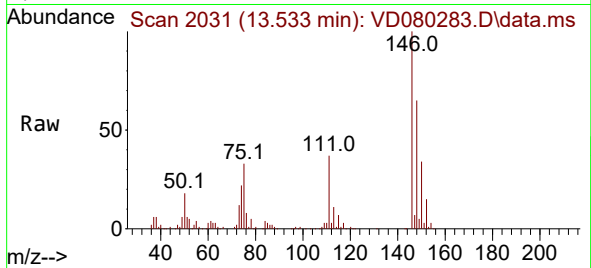




#65
1,4-Dichlorobenzene
Concen: 25.08 ug/L
RT: 13.533 min Scan# 2031
Delta R.T. -0.001 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

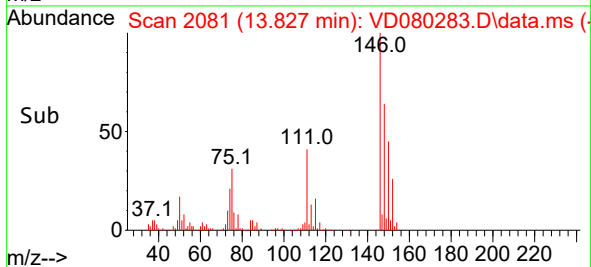
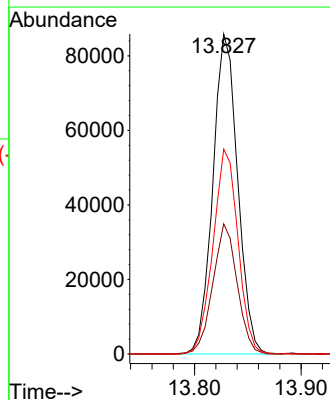
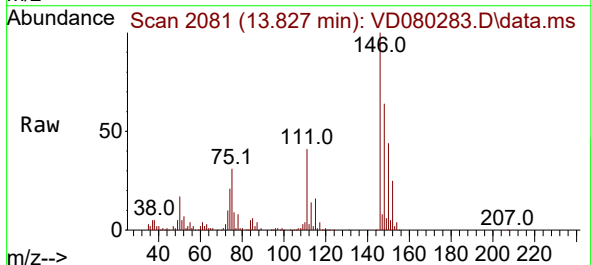
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

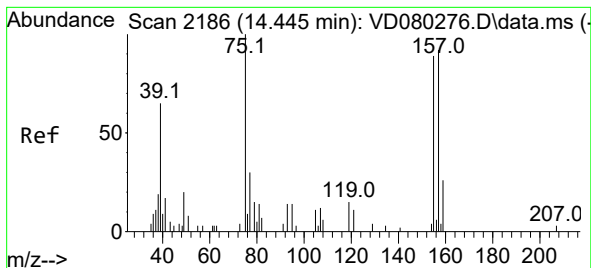
Tgt Ion:146 Resp: 154929
Ion Ratio Lower Upper
146 100
111 37.4 27.9 51.7
148 65.3 45.1 83.9



#67
1,2-Dichlorobenzene
Concen: 26.15 ug/L
RT: 13.827 min Scan# 2081
Delta R.T. -0.001 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

Tgt Ion:146 Resp: 138651
Ion Ratio Lower Upper
146 100
111 40.7 34.2 51.2
148 64.0 49.8 74.8

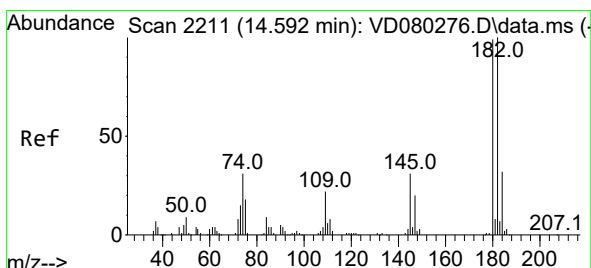
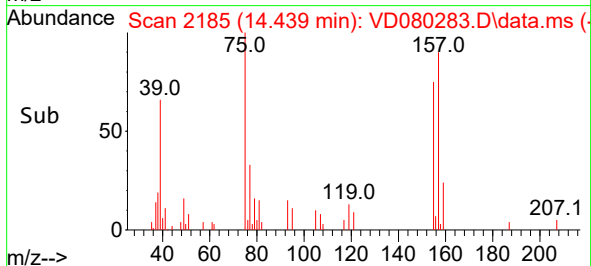
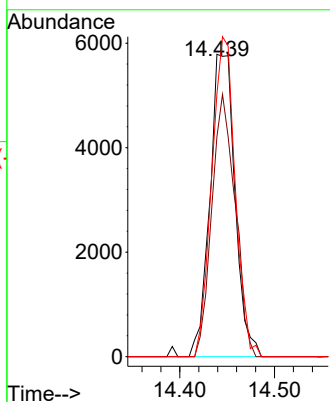
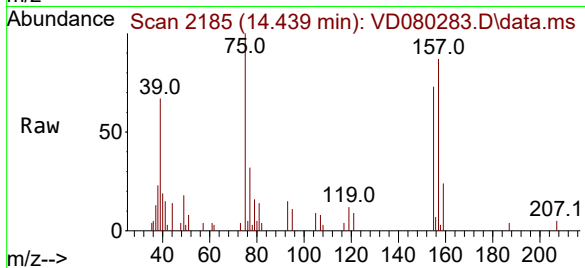




#68
 1,2-Dibromo-3-chloropropane
 Concen: 23.84 ug/L
 RT: 14.439 min Scan# 2186
 Delta R.T. -0.006 min
 Lab File: VD080283.D
 Acq: 18 Mar 2025 16:52

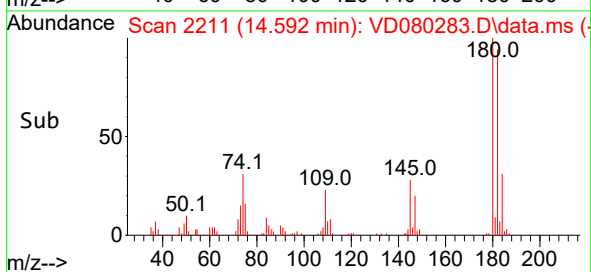
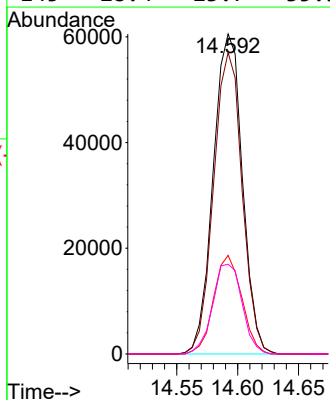
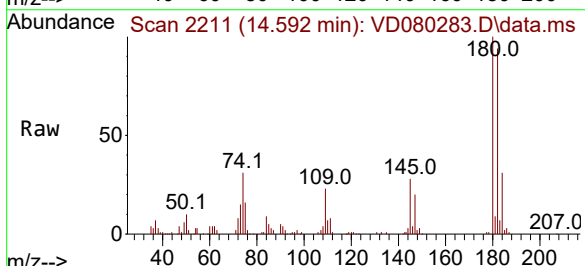
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD02506

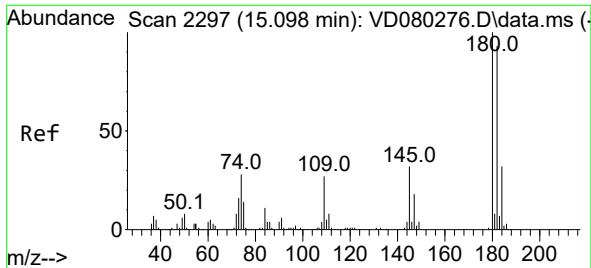
Tgt Ion: 75 Resp: 10655
 Ion Ratio Lower Upper
 75 100
 155 72.8 71.5 107.3
 157 86.9 73.5 110.3



#69
 1,3,5-Trichlorobenzene
 Concen: 26.70 ug/L
 RT: 14.592 min Scan# 2211
 Delta R.T. 0.000 min
 Lab File: VD080283.D
 Acq: 18 Mar 2025 16:52

Tgt Ion: 180 Resp: 100731
 Ion Ratio Lower Upper
 180 100
 182 92.2 77.0 115.4
 184 29.8 24.0 36.0
 145 28.4 23.7 35.5

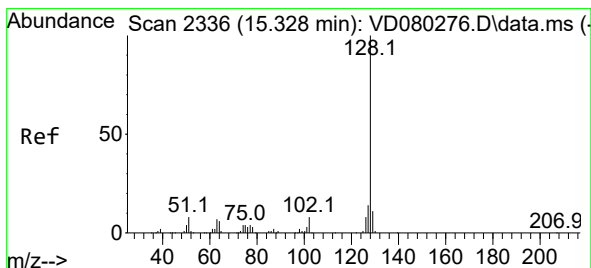
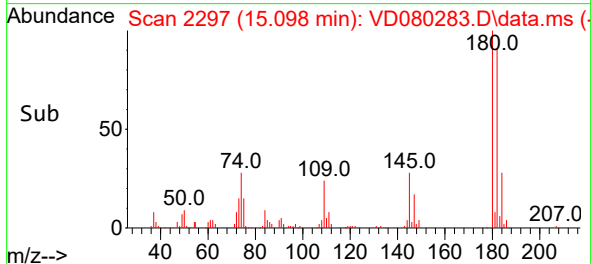
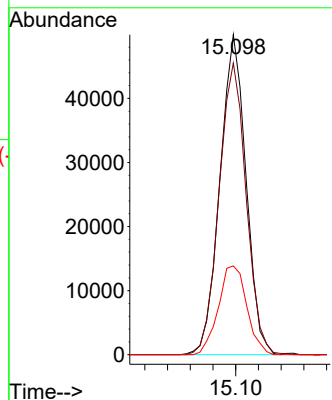
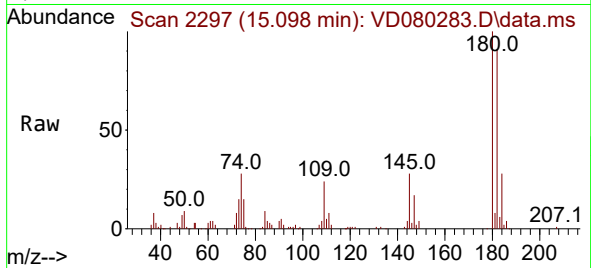




#70
1,2,4-trichlorobenzene
Concen: 25.32 ug/L
RT: 15.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

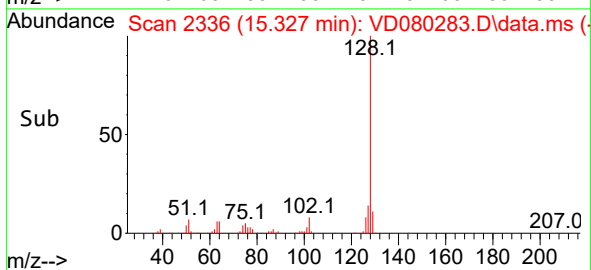
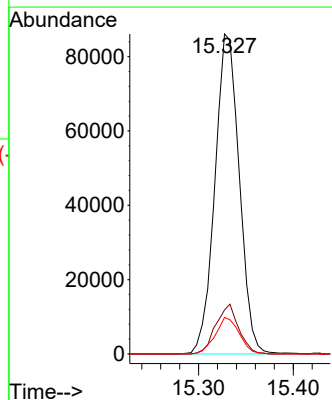
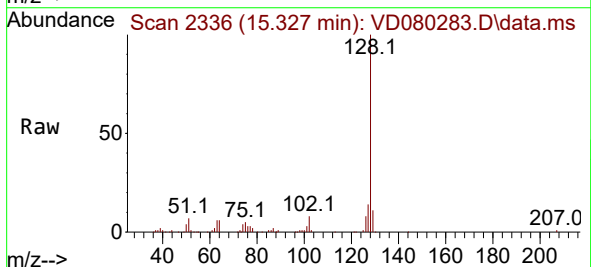
Instrument :
MSVOA_D
ClientSampleId :
VSTD02506

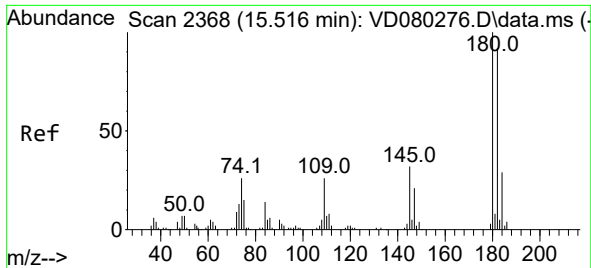
Tgt Ion:	180	Resp:	79595
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.4	113.0
145	30.3	23.1	34.7



#71
Naphthalene
Concen: 26.15 ug/L
RT: 15.327 min Scan# 2336
Delta R.T. -0.001 min
Lab File: VD080283.D
Acq: 18 Mar 2025 16:52

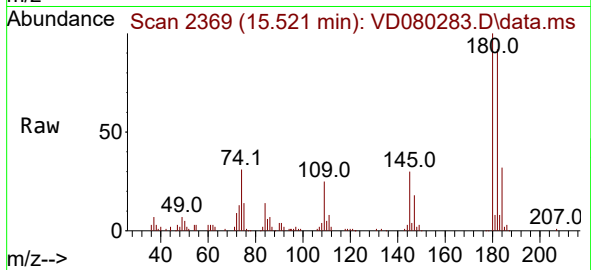
Tgt Ion:	128	Resp:	154414
Ion Ratio	Lower	Upper	
128	100		
127	14.6	11.4	17.2
129	11.2	9.0	13.4





#72
 1,2,3-Trichlorobenzene
 Concen: 27.15 ug/L
 RT: 15.521 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VD080283.D
 Acq: 18 Mar 2025 16:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD02506



Tgt Ion:	180	Resp:	77048
Ion Ratio	Lower	Upper	
180	100		
182	95.8	73.8	110.6
145	31.2	24.8	37.2

