

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080277.D
 Acq On : 18 Mar 2025 11:59
 Operator : RP/MD
 Sample : VSTD050872
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050873

Quant Time: Mar 24 09:11:43 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	182557	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.580	117	186521	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	90707	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	258212	42.95	ug/L	0.00
7) Chloroethane-d5	2.793	69	242676	45.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.916	65	60328	47.50	ug/L	0.01
21) 2-Butanone-d5	6.987	46	61201	94.45	ug/L	0.00
24) Chloroform-d	7.569	84	274602	48.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	154011	50.06	ug/L	0.00
32) Benzene-d6	8.198	84	547893	50.27	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	155020	44.09	ug/L	0.00
41) Toluene-d8	10.269	98	475824	48.37	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	72901	50.37	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	62902	123.63	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.645	84	149279	47.78	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.810	152	168698	53.09	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	164572	48.50	ug/L	99
3) Chloromethane	2.152	50	259292	47.29	ug/L	99
5) Vinyl chloride	2.275	62	346418	48.59	ug/L	96
6) Bromomethane	2.687	94	185600	50.03	ug/L	94
8) Chloroethane	2.828	64	229685	47.65	ug/L	99
9) Trichlorofluoromethane	3.163	101	262538	49.36	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.957	101	153121	48.75	ug/L	96
12) 1,1-Dichloroethene	3.934	96	137589	51.45	ug/L	89
13) Acetone	4.022	43	68049	100.29	ug/L	100
14) Carbon disulfide	4.263	76	504661	50.95	ug/L	100
15) Methyl Acetate	4.563	43	78459	51.77	ug/L	96
16) Methylene chloride	4.798	84	169052	47.27	ug/L	99
17) trans-1,2-Dichloroethene	5.304	96	155614	53.80	ug/L	95
18) Methyl tert-butyl Ether	5.322	73	362426	59.67	ug/L	99
19) 1,1-Dichloroethane	6.110	63	281145	48.96	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	148872	47.75	ug/L	98
22) 2-Butanone	7.081	43	81697	93.05	ug/L #	53
23) Bromochloromethane	7.422	128	70056	47.04	ug/L	97
25) Chloroform	7.592	83	301189	49.54	ug/L	99
27) 1,2-Dichloroethane	8.322	62	203367	53.57	ug/L	100
29) Cyclohexane	7.875	56	244443	55.66	ug/L	98
30) 1,1,1-Trichloroethane	7.787	97	230733	47.07	ug/L	99
31) Carbon tetrachloride	7.987	117	201729	46.89	ug/L	97
33) Benzene	8.251	78	631327	52.09	ug/L	100
34) Trichloroethene	9.028	95	148729	45.97	ug/L	97
35) Methylcyclohexane	9.275	83	236592	51.61	ug/L	95
37) 1,2-Dichloropropane	9.304	63	156026	44.37	ug/L	100
38) Bromodichloromethane	9.581	83	203110	45.51	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	248833	48.83	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	190524	102.40	ug/L	96
42) Toluene	10.333	91	650825	50.28	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	226610	53.25	ug/L	100

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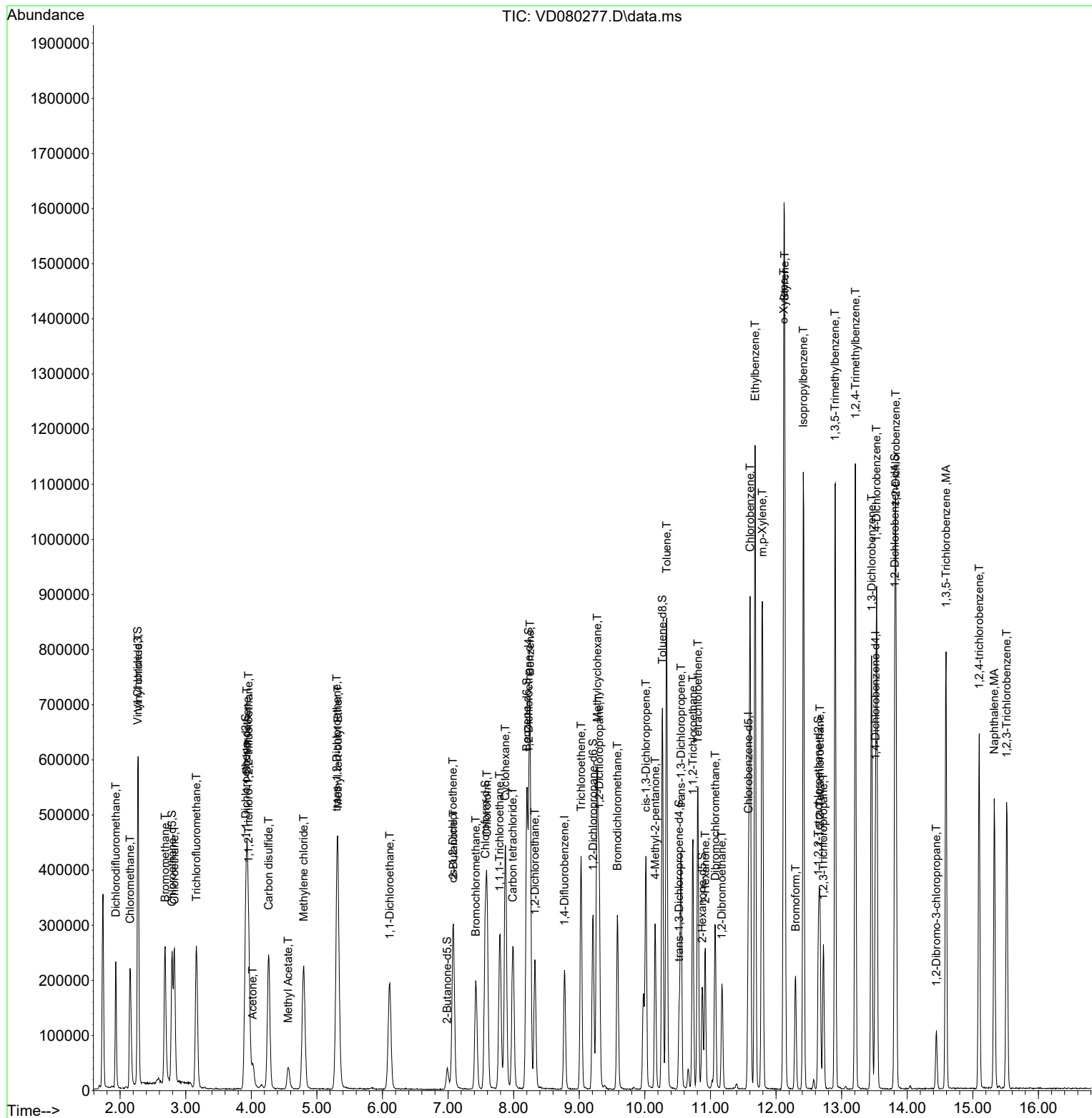
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.733	97	138122	52.46	ug/L	99
46) Tetrachloroethene	10.810	164	122593	48.75	ug/L	95
48) 2-Hexanone	10.922	43	159366	120.58	ug/L	98
49) Dibromochloromethane	11.075	129	158849	53.37	ug/L	95
50) 1,2-Dibromoethane	11.175	107	125656	53.86	ug/L #	98
51) Chlorobenzene	11.604	112	457904	53.39	ug/L	98
52) Ethylbenzene	11.680	91	807424	57.26	ug/L	100
53) m,p-Xylene	11.792	106	291334	55.85	ug/L	98
54) o-Xylene	12.116	106	266517	53.82	ug/L	99
55) Styrene	12.133	104	495036	55.15	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.669	83	156332	49.04	ug/L	99
59) Bromoform	12.298	173	91045	54.19	ug/L	100
60) Isopropylbenzene	12.416	105	707862	57.96	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	108822	54.16	ug/L	99
62) 1,3,5-Trimethylbenzene	12.898	105	575597	59.83	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	572423	58.55	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	328728	53.87	ug/L	99
65) 1,4-Dichlorobenzene	13.533	146	345365	52.56	ug/L	99
67) 1,2-Dichlorobenzene	13.827	146	307927	54.59	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	25313	53.23	ug/L	89
69) 1,3,5-Trichlorobenzene	14.592	180	243206	60.60	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	198755	59.44	ug/L	100
71) Naphthalene	15.327	128	428800	68.26	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	177467	58.78	ug/L	98

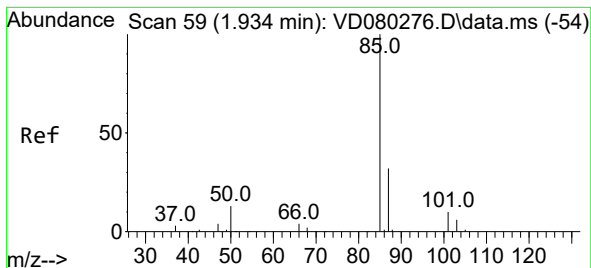
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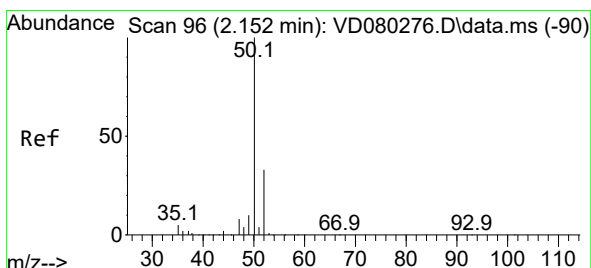
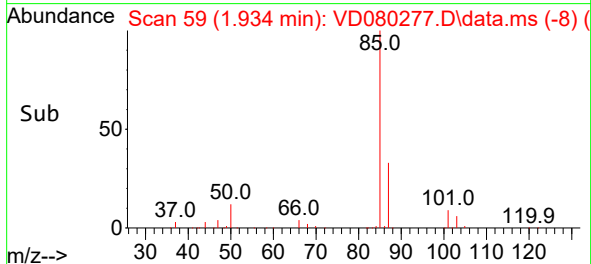
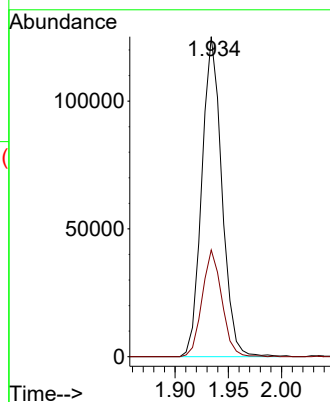
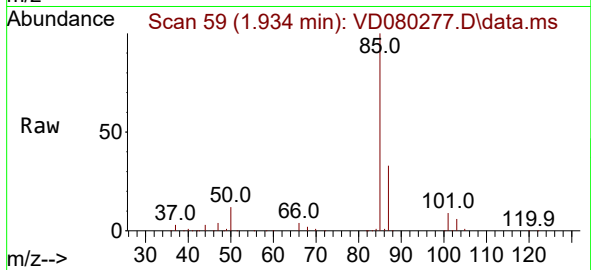




#2
 Dichlorodifluoromethane
 Concen: 48.50 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

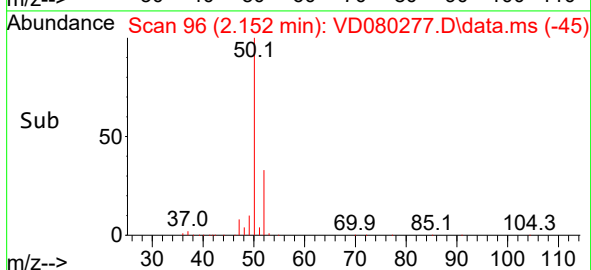
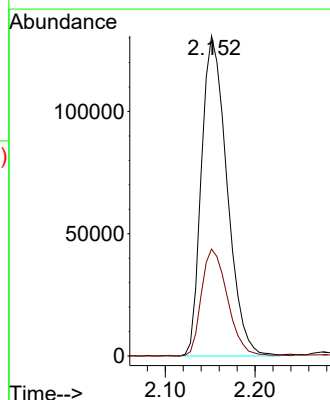
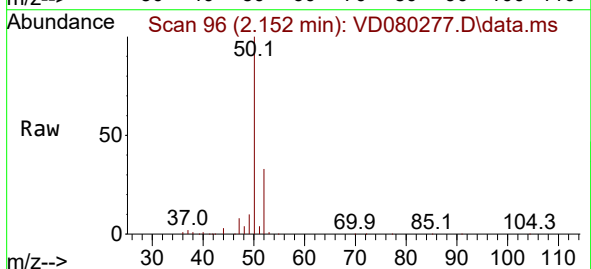
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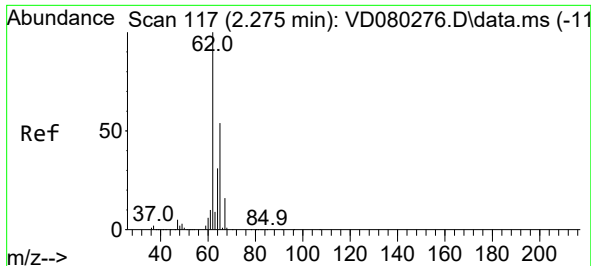
Tgt Ion: 85 Resp: 164572
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.6 38.4



#3
 Chloromethane
 Concen: 47.29 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

Tgt Ion: 50 Resp: 259292
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.1 42.9

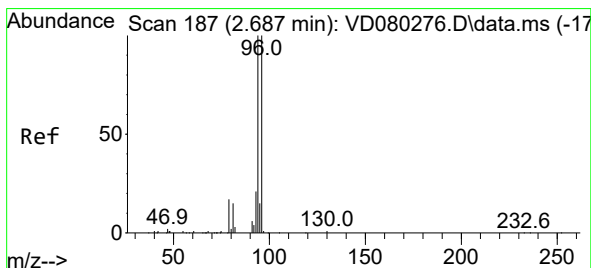
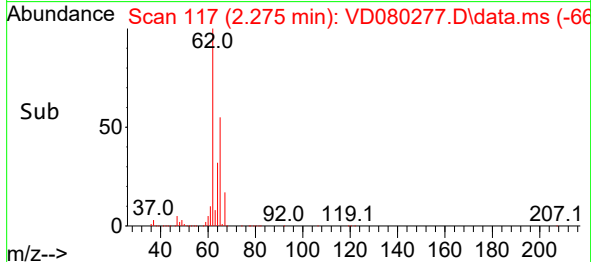
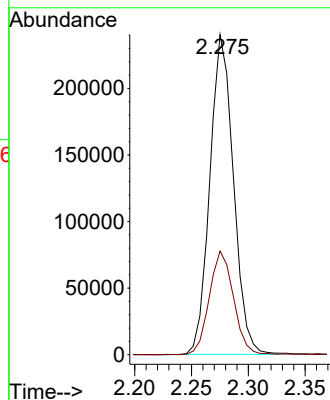
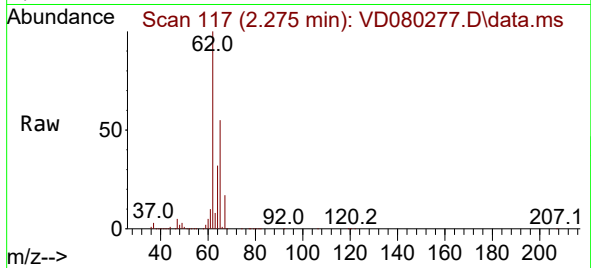




#5
 Vinyl chloride
 Concen: 48.59 ug/L
 RT: 2.275 min Scan# 117
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

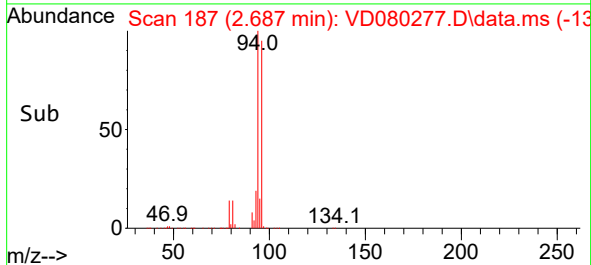
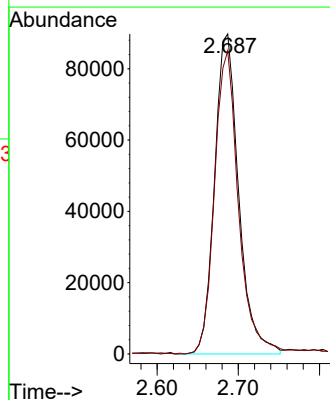
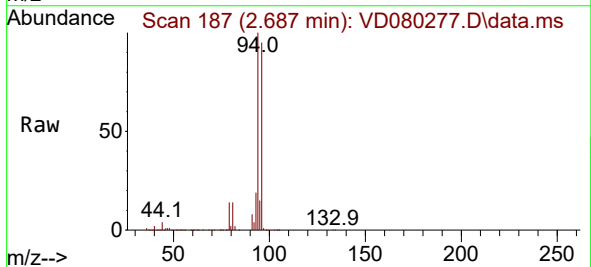
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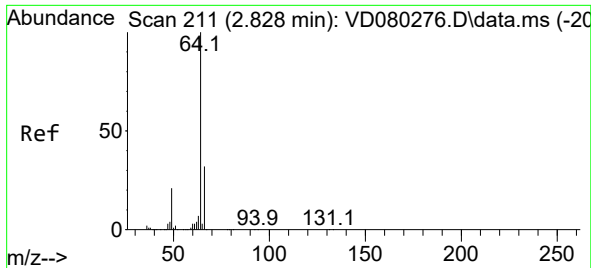
Tgt Ion: 62 Resp: 346418
 Ion Ratio Lower Upper
 62 100
 64 32.4 21.3 39.6



#6
 Bromomethane
 Concen: 50.03 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

Tgt Ion: 94 Resp: 185600
 Ion Ratio Lower Upper
 94 100
 96 94.8 70.3 130.5

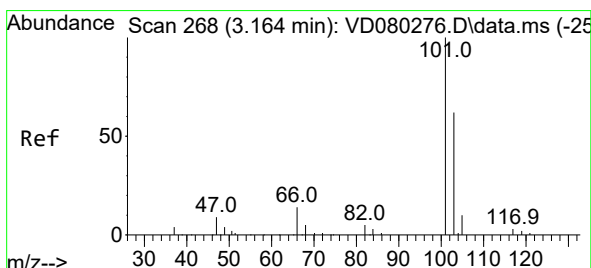
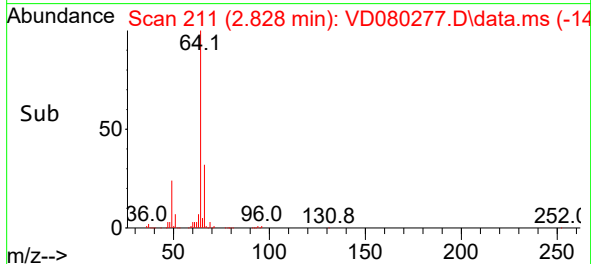
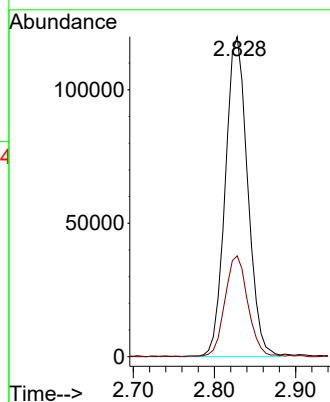
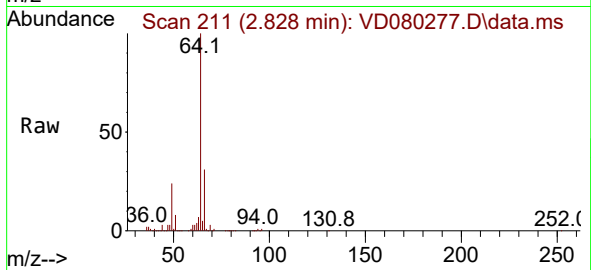




#8
Chloroethane
Concen: 47.65 ug/L
RT: 2.828 min Scan# 211
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

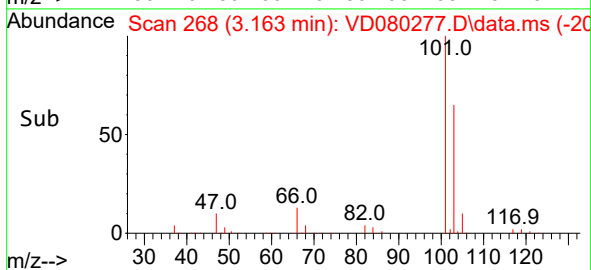
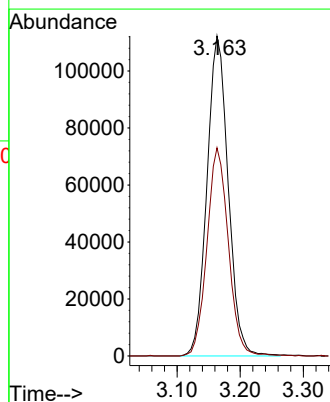
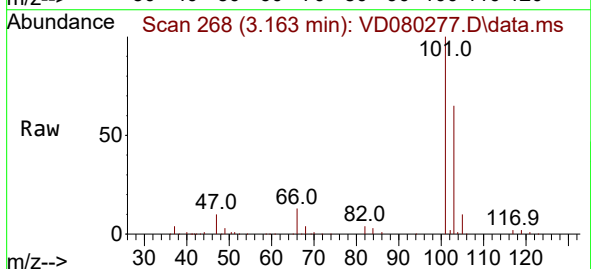
Instrument :
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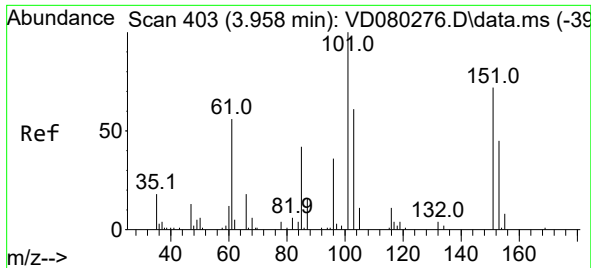
Tgt Ion: 64 Resp: 229685
Ion Ratio Lower Upper
64 100
66 31.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 49.36 ug/L
RT: 3.163 min Scan# 268
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion:101 Resp: 262538
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

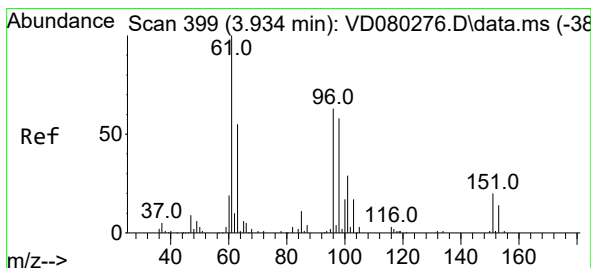
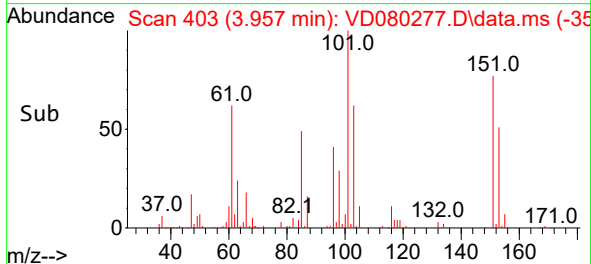
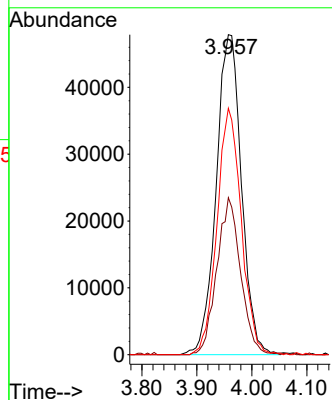
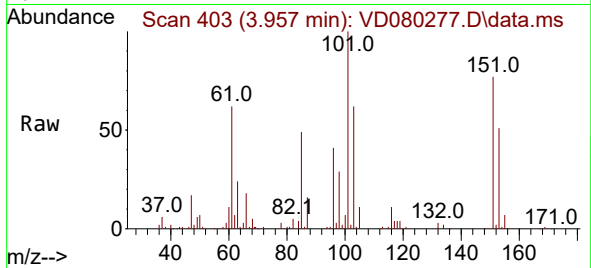




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.75 ug/L
RT: 3.957 min Scan# 403
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

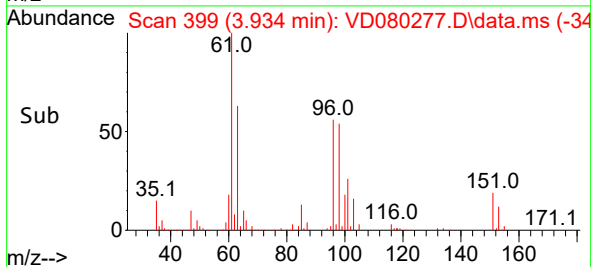
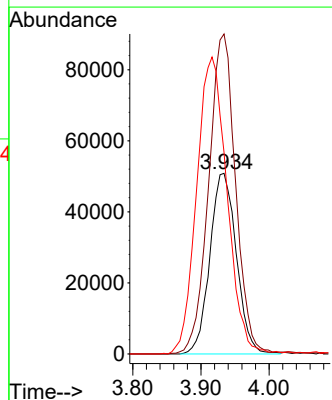
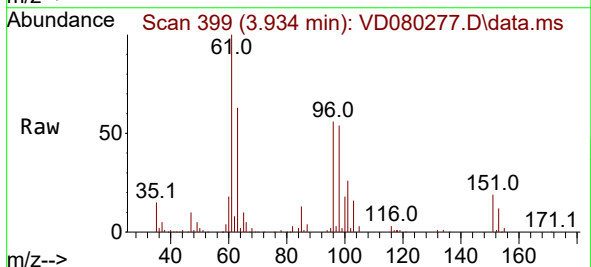
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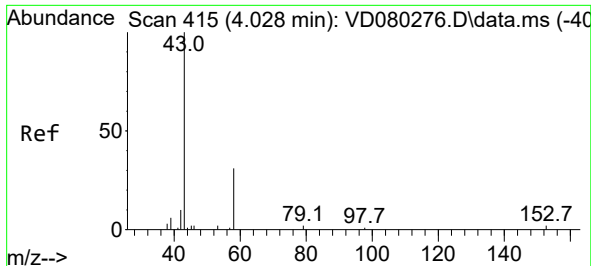
Tgt Ion:101 Resp: 153121
Ion Ratio Lower Upper
101 100
85 46.0 35.7 53.5
151 73.9 55.6 83.4



#12
1,1-Dichloroethene
Concen: 51.45 ug/L
RT: 3.934 min Scan# 399
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion: 96 Resp: 137589
Ion Ratio Lower Upper
96 100
61 177.2 112.5 208.9
63 111.6 71.3 132.5

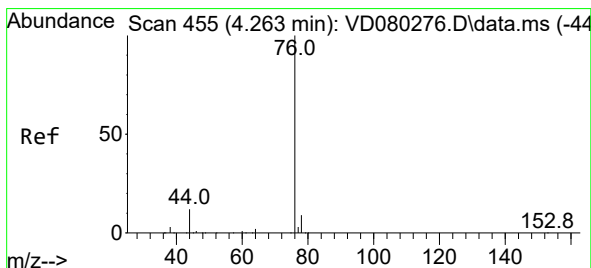
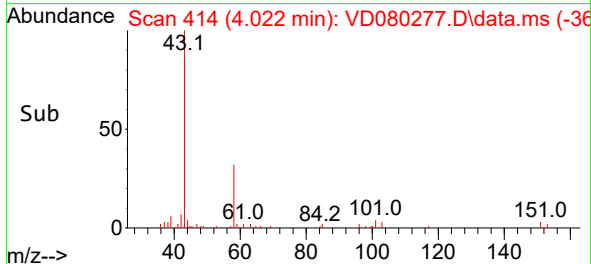
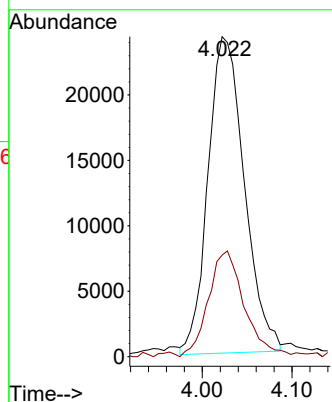
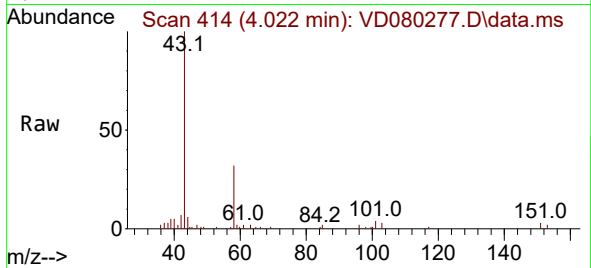




#13
Acetone
Concen: 100.29 ug/L
RT: 4.022 min Scan# 415
Delta R.T. -0.006 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

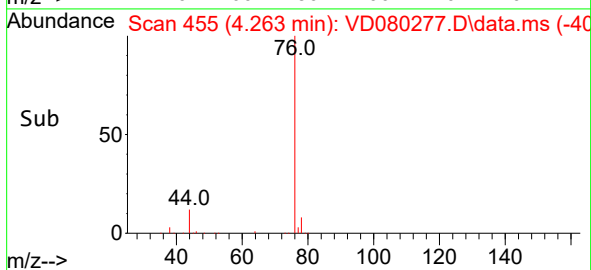
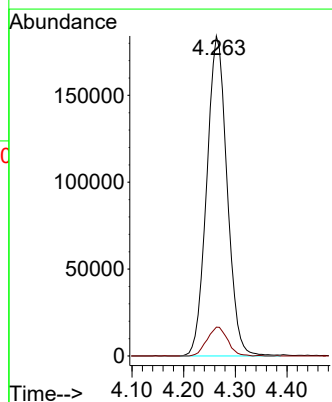
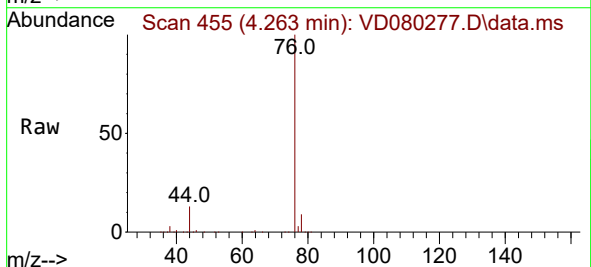
Instrument :
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ClientSampleId :
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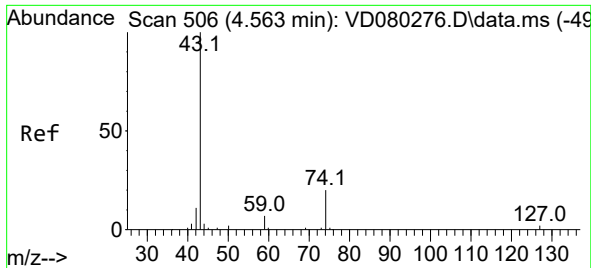
Tgt Ion: 43 Resp: 68049
Ion Ratio Lower Upper
43 100
58 32.9 0.0 65.2



#14
Carbon disulfide
Concen: 50.95 ug/L
RT: 4.263 min Scan# 455
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion: 76 Resp: 504661
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

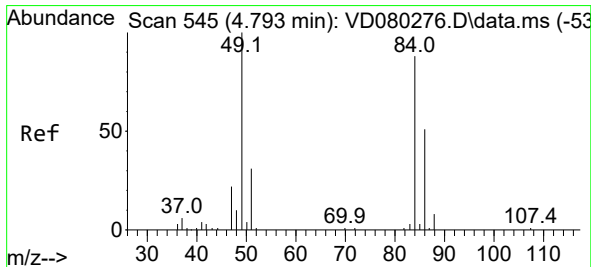
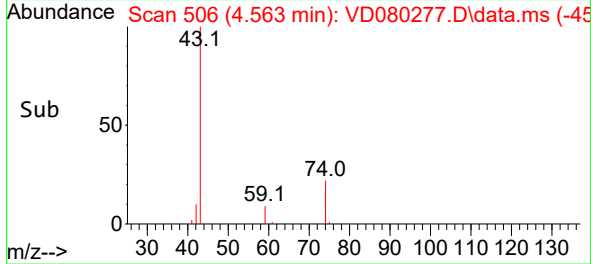
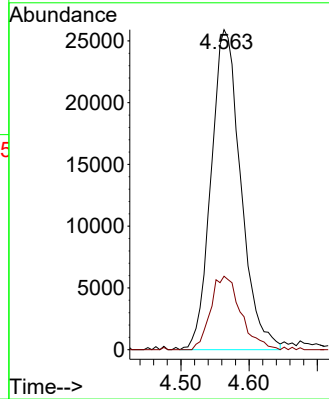
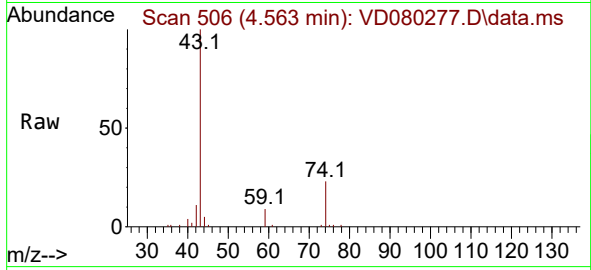




#15
Methyl Acetate
Concen: 51.77 ug/L
RT: 4.563 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

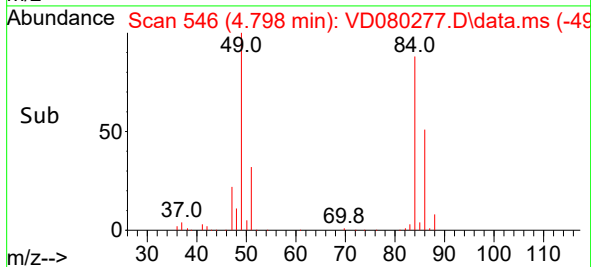
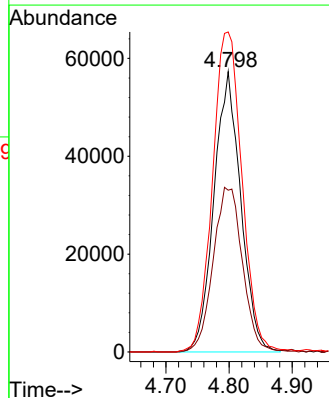
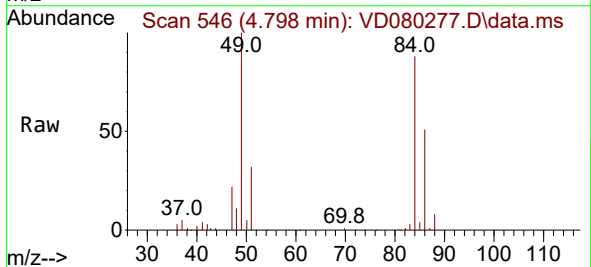
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

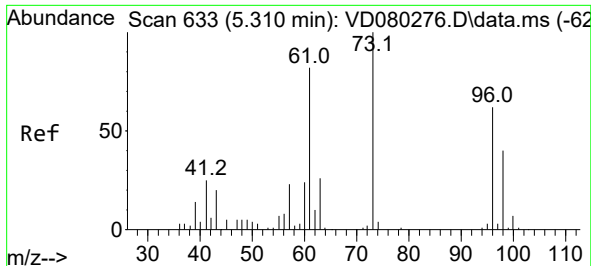
Tgt Ion: 43 Resp: 78459
Ion Ratio Lower Upper
43 100
74 23.3 17.2 25.8



#16
Methylene chloride
Concen: 47.27 ug/L
RT: 4.798 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion: 84 Resp: 169052
Ion Ratio Lower Upper
84 100
86 57.7 40.9 75.9
49 114.1 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 53.80 ug/L

RT: 5.304 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

Instrument :

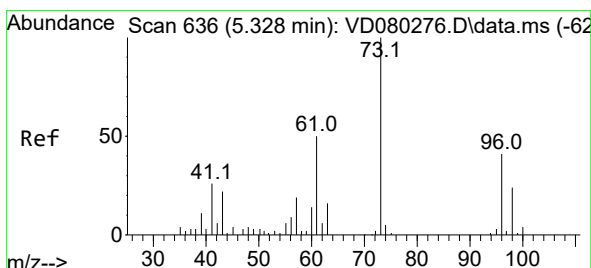
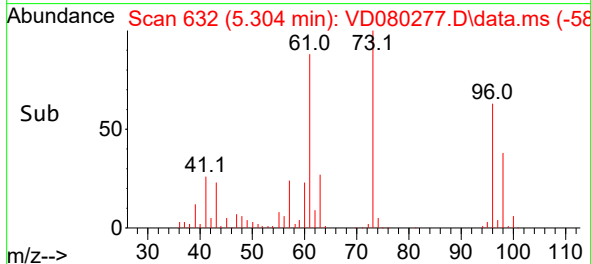
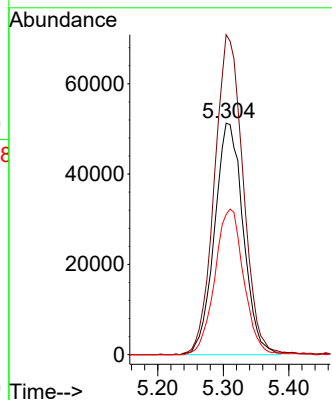
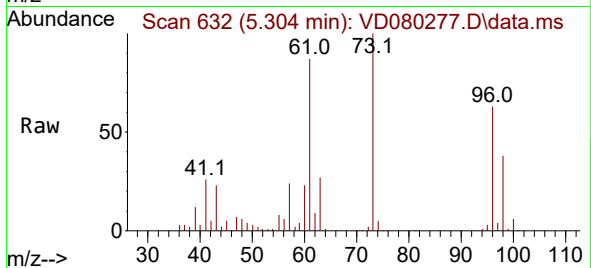
MSVOA_D

ClientSampleId :

VSTD050873

Tgt Ion: 96 Resp: 155614

Ion	Ratio	Lower	Upper
96	100		
61	138.2	92.4	171.6
98	60.5	45.1	83.7



#18

Methyl tert-butyl Ether

Concen: 59.67 ug/L

RT: 5.322 min Scan# 635

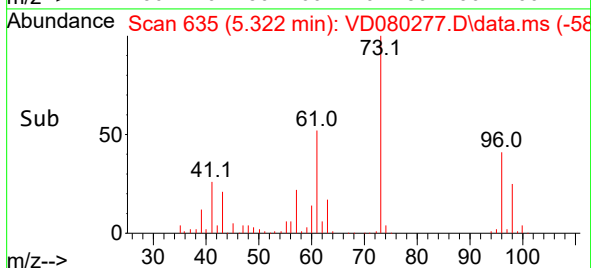
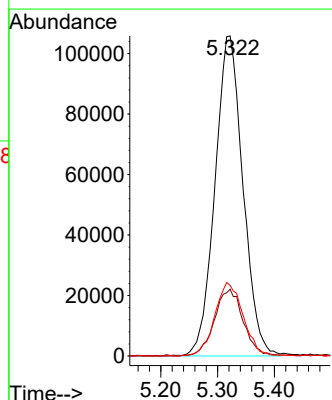
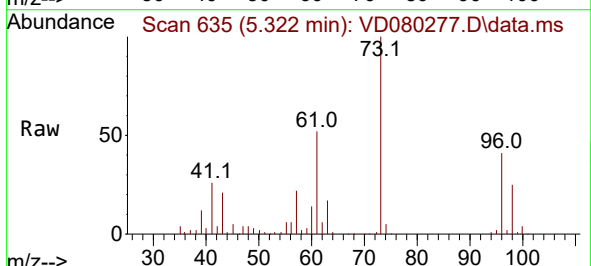
Delta R.T. -0.006 min

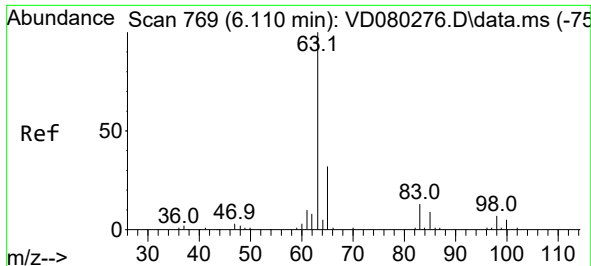
Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

Tgt Ion: 73 Resp: 362426

Ion	Ratio	Lower	Upper
73	100		
43	20.6	17.2	25.8
57	23.2	18.8	28.2





#19

1,1-Dichloroethane

Concen: 48.96 ug/L

RT: 6.110 min Scan# 769

Delta R.T. -0.000 min

Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

Instrument :

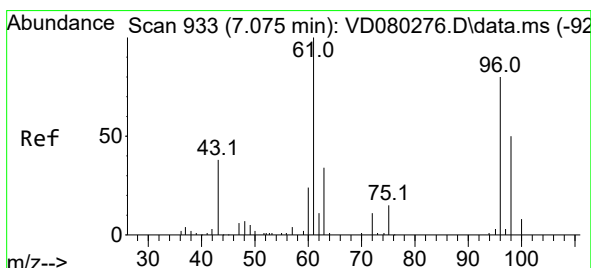
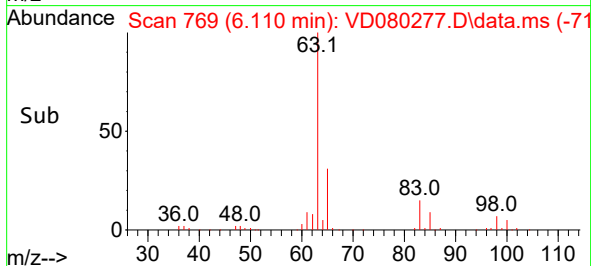
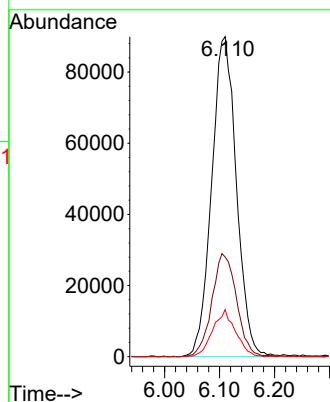
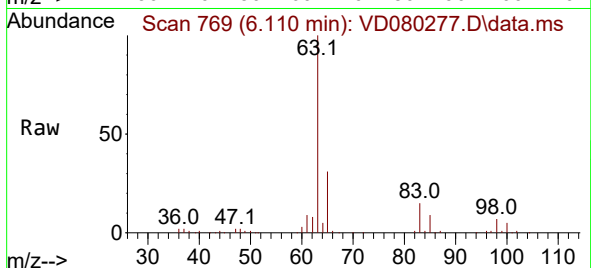
MSVOA_D

ClientSampleId :

VSTD050873

Tgt Ion: 63 Resp: 281145

Ion	Ratio	Lower	Upper
63	100		
65	31.2	22.4	41.6
83	14.7	8.8	16.3



#20

cis-1,2-Dichloroethene

Concen: 47.75 ug/L

RT: 7.075 min Scan# 933

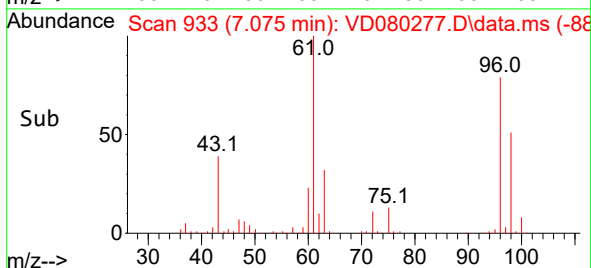
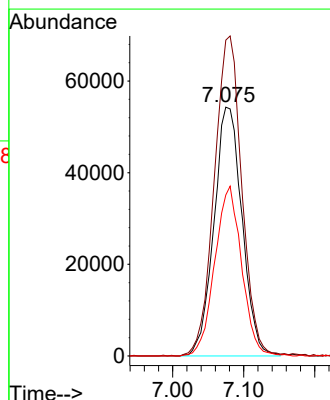
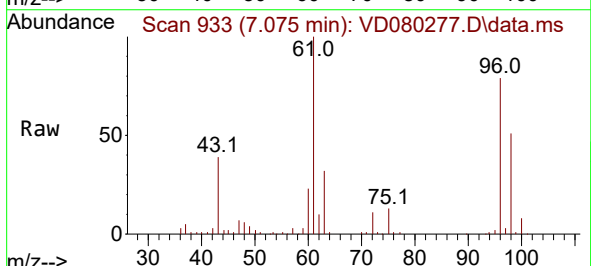
Delta R.T. -0.000 min

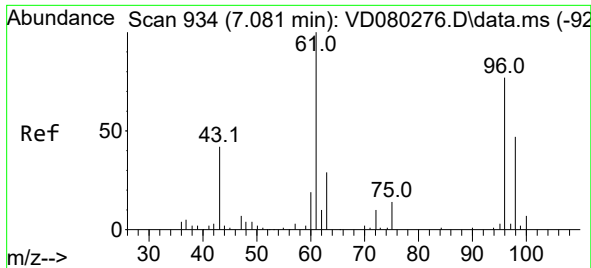
Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

Tgt Ion: 96 Resp: 148872

Ion	Ratio	Lower	Upper
96	100		
61	126.9	87.8	163.0
98	64.7	43.7	81.1

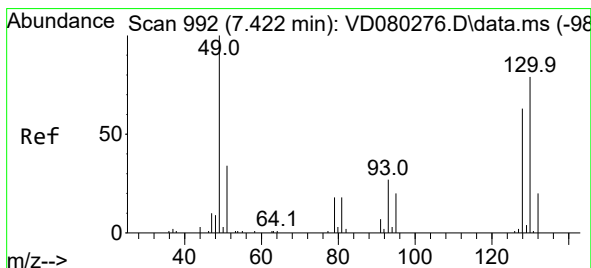
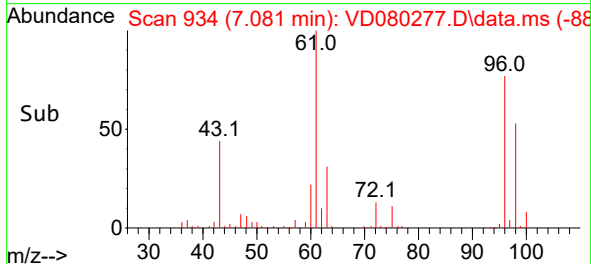
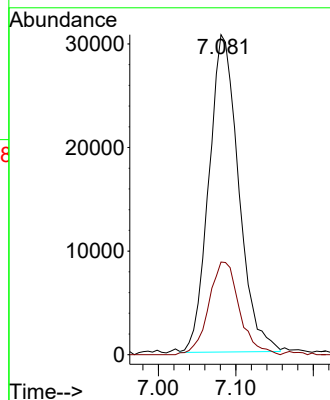
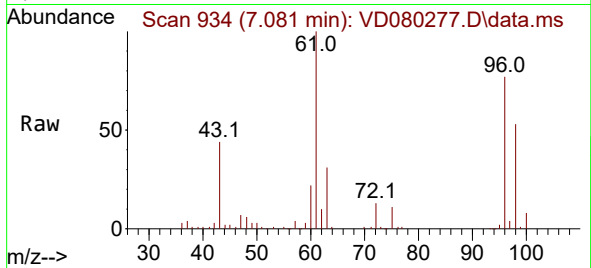




#22
2-Butanone
Concen: 93.05 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

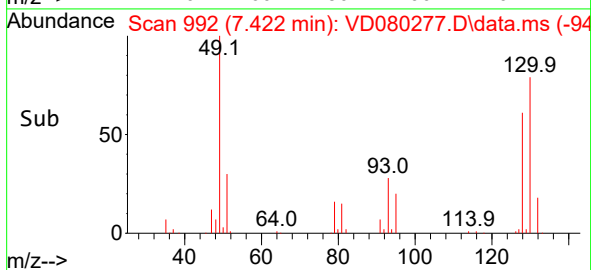
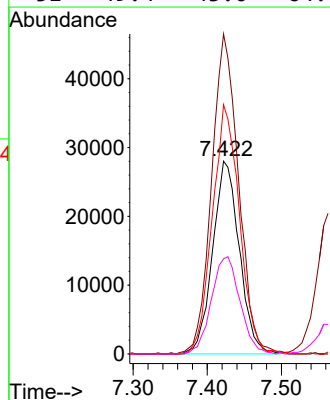
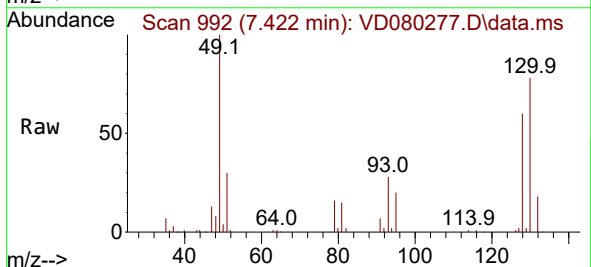
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

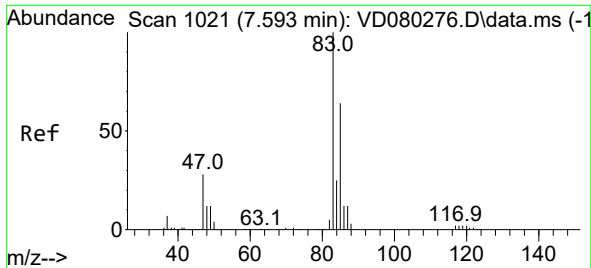
Tgt Ion: 43 Resp: 81697
Ion Ratio Lower Upper
43 100
72 30.0 5.9 17.8#



#23
Bromochloromethane
Concen: 47.04 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion:128 Resp: 70056
Ion Ratio Lower Upper
128 100
49 166.0 112.6 209.0
130 129.3 89.7 166.5
51 49.4 43.0 64.6

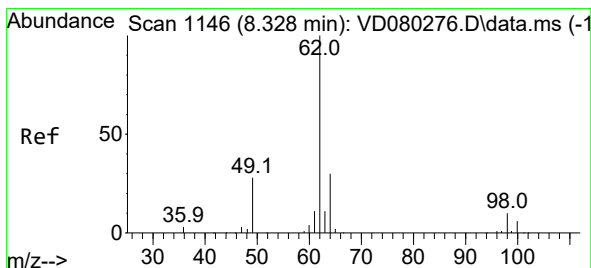
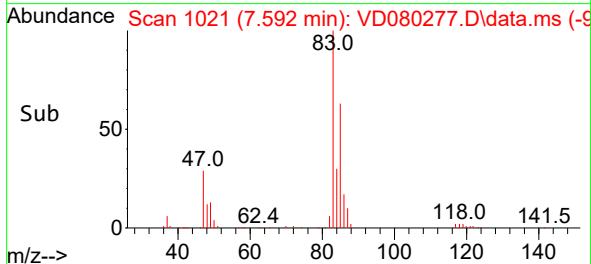
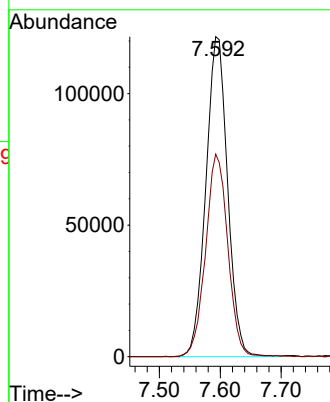
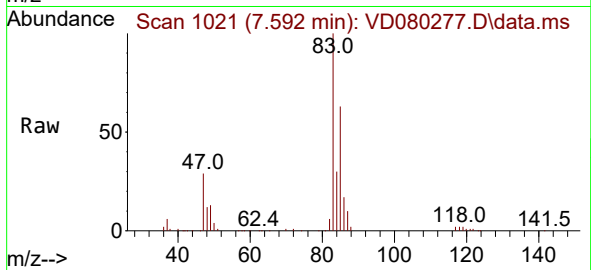




#25
Chloroform
Concen: 49.54 ug/L
RT: 7.592 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

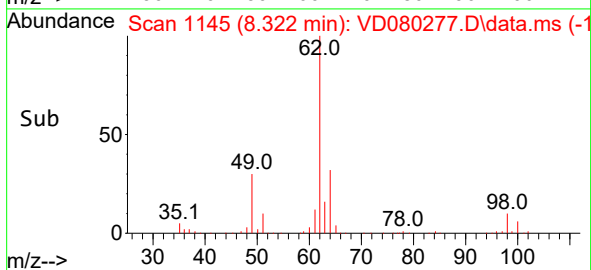
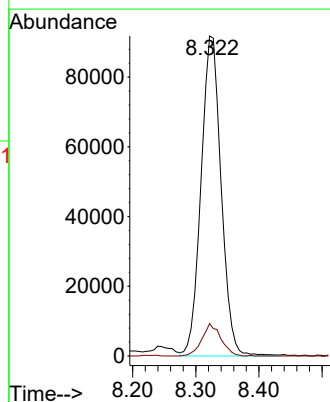
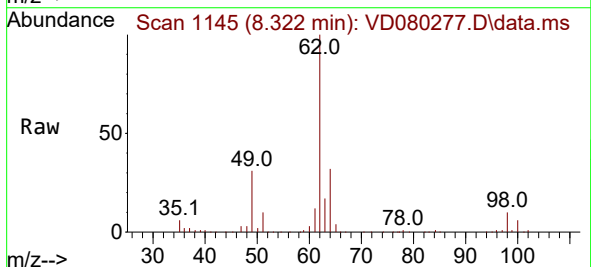
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

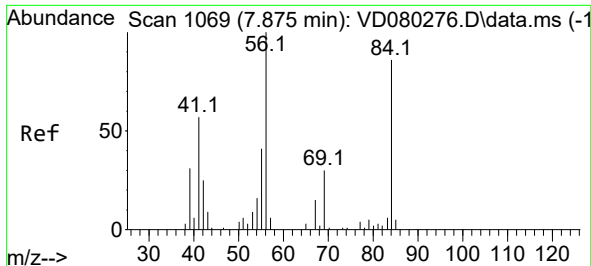
Tgt Ion: 83 Resp: 301189
Ion Ratio Lower Upper
83 100
85 63.3 45.1 83.7



#27
1,2-Dichloroethane
Concen: 53.57 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion: 62 Resp: 203367
Ion Ratio Lower Upper
62 100
98 10.1 8.2 12.2

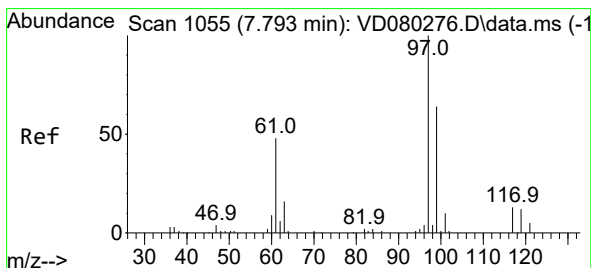
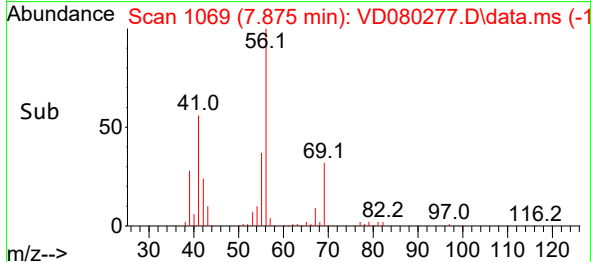
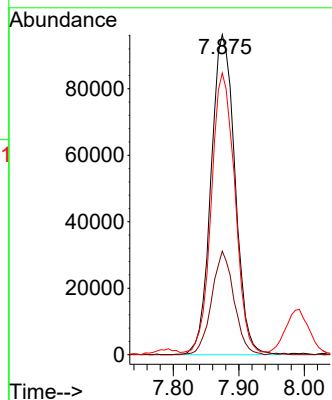
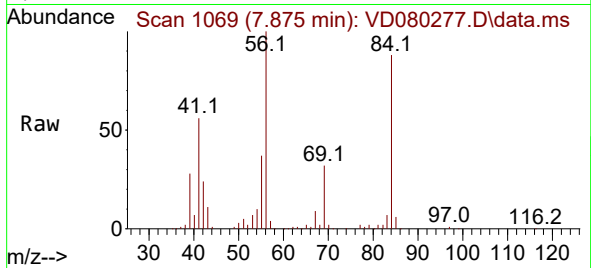




#29
Cyclohexane
Concen: 55.66 ug/L
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

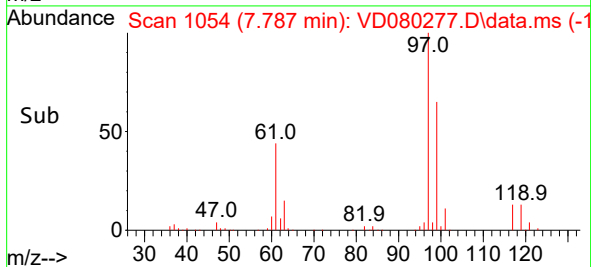
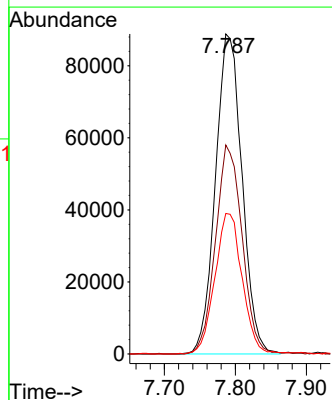
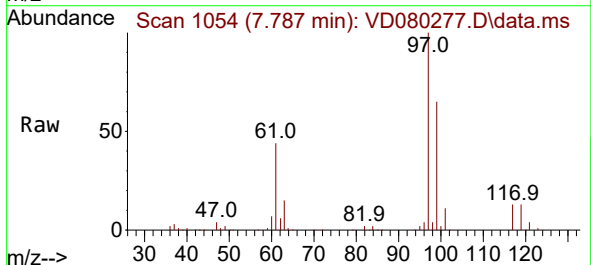
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

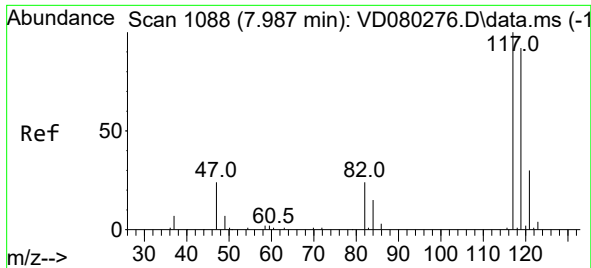
Tgt Ion: 56 Resp: 244443
Ion Ratio Lower Upper
56 100
69 30.1 24.6 37.0
84 87.1 71.4 107.2



#30
1,1,1-Trichloroethane
Concen: 47.07 ug/L
RT: 7.787 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion: 97 Resp: 230733
Ion Ratio Lower Upper
97 100
99 65.4 51.9 77.9
61 45.2 36.7 55.1

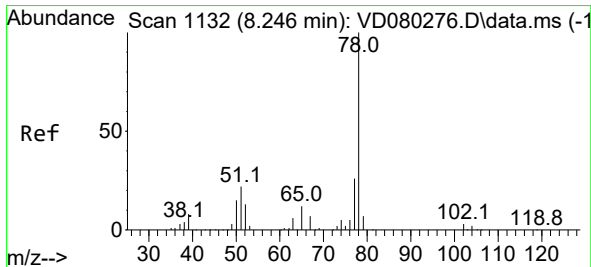
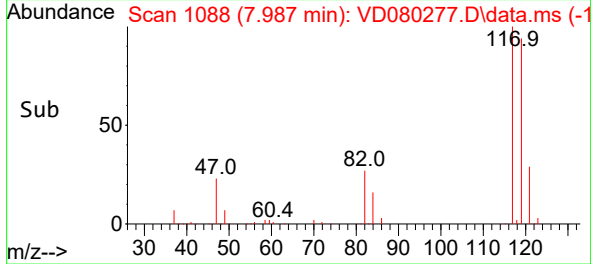
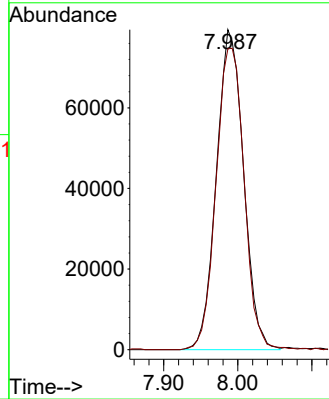
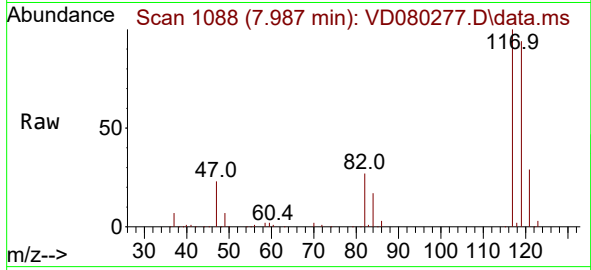




#31
Carbon tetrachloride
Concen: 46.89 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

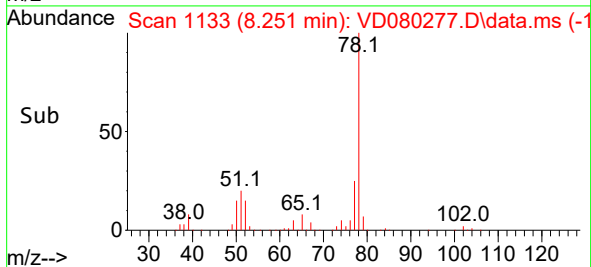
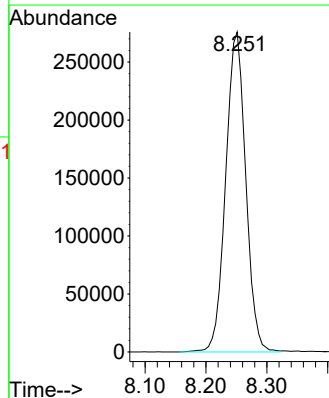
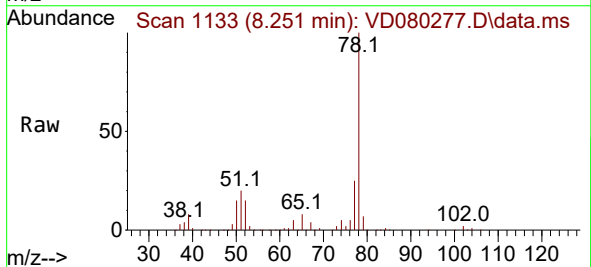
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

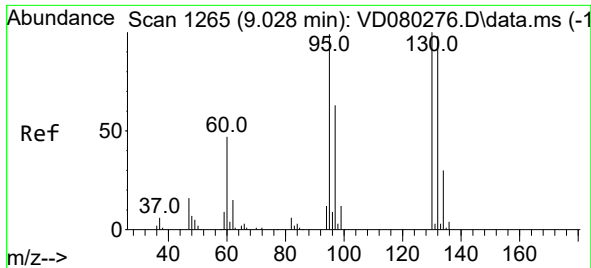
Tgt Ion:117 Resp: 201729
Ion Ratio Lower Upper
117 100
119 97.5 76.0 114.0



#33
Benzene
Concen: 52.09 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion: 78 Resp: 631327

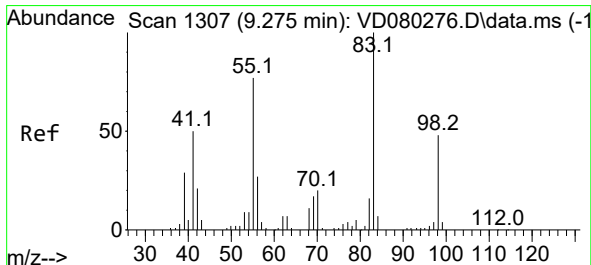
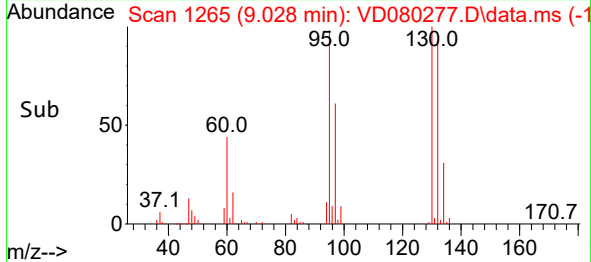
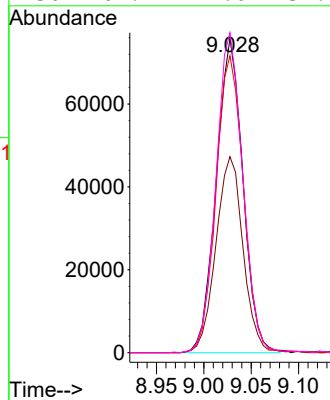
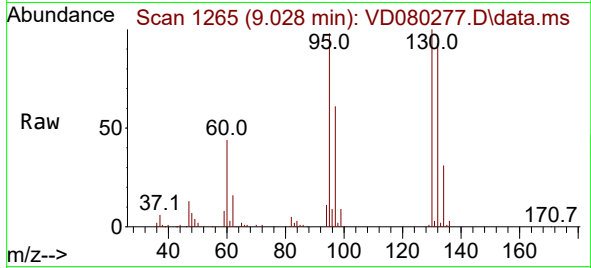




#34
 Trichloroethene
 Concen: 45.97 ug/L
 RT: 9.028 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

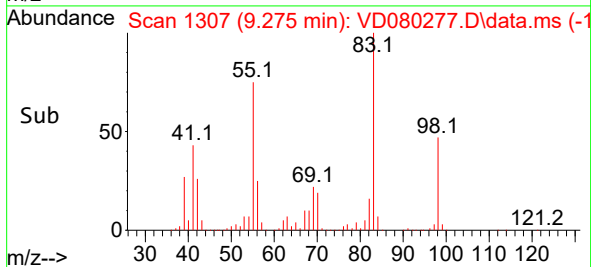
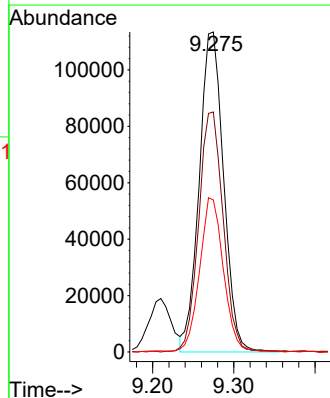
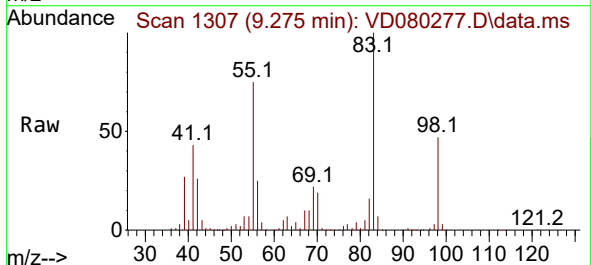
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050873

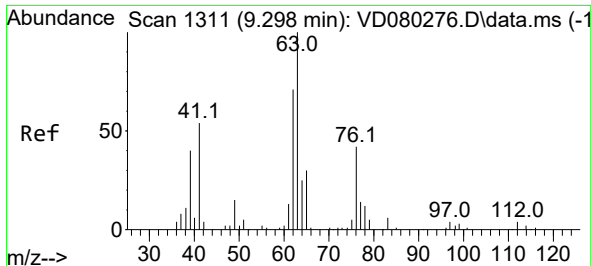
Tgt Ion: 95 Resp: 148729
 Ion Ratio Lower Upper
 95 100
 97 62.4 45.1 83.7
 132 94.5 69.5 129.1
 130 101.9 71.0 131.8



#35
 Methylcyclohexane
 Concen: 51.61 ug/L
 RT: 9.275 min Scan# 1307
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

Tgt Ion: 83 Resp: 236592
 Ion Ratio Lower Upper
 83 100
 55 75.1 65.0 97.6
 98 47.1 39.0 58.6





#37

1,2-Dichloropropane

Concen: 44.37 ug/L

RT: 9.304 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

Instrument :

MSVOA_D

ClientSampleId :

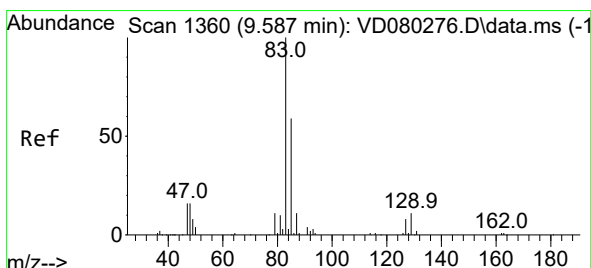
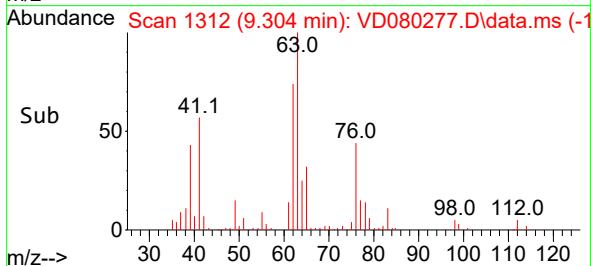
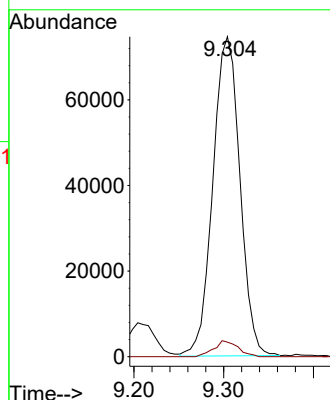
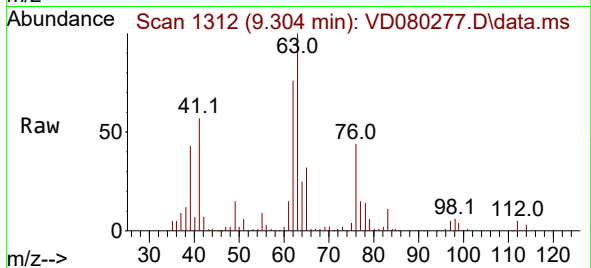
VSTD050873

Tgt Ion: 63 Resp: 156026

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



#38

Bromodichloromethane

Concen: 45.51 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

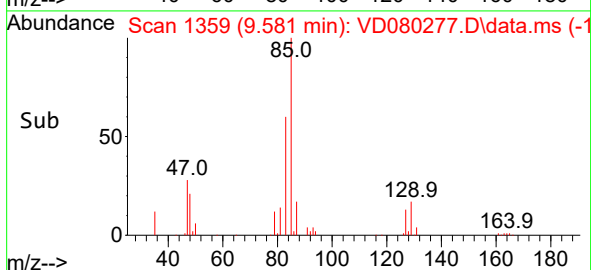
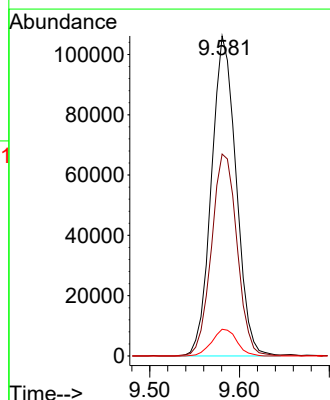
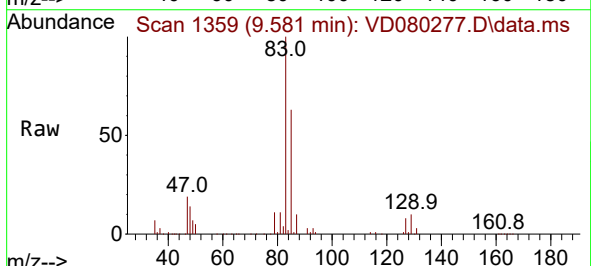
Tgt Ion: 83 Resp: 203110

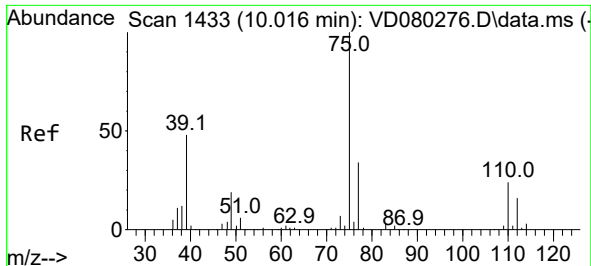
Ion Ratio Lower Upper

83 100

85 63.1 41.4 77.0

127 8.3 6.6 10.0

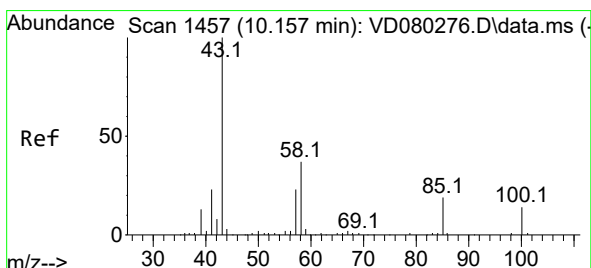
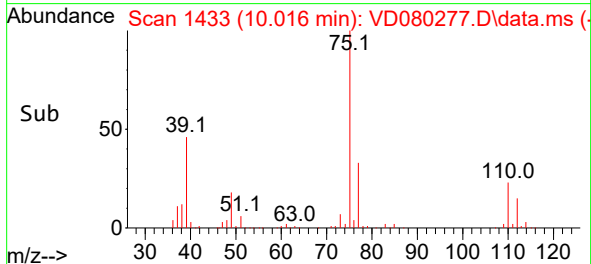
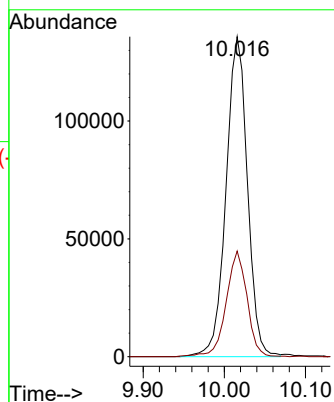
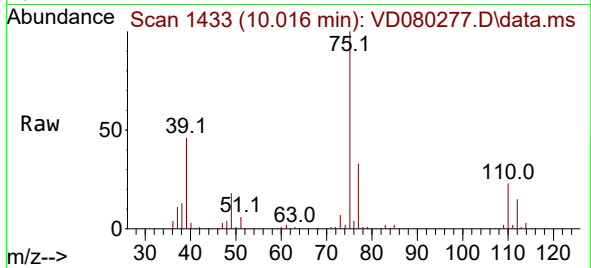




#39
 cis-1,3-Dichloropropene
 Concen: 48.83 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

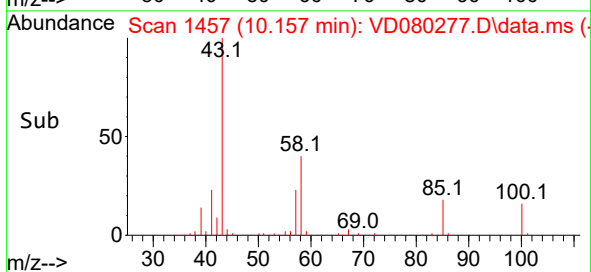
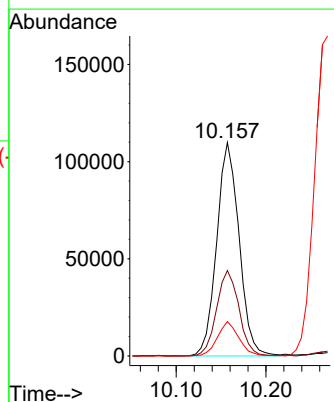
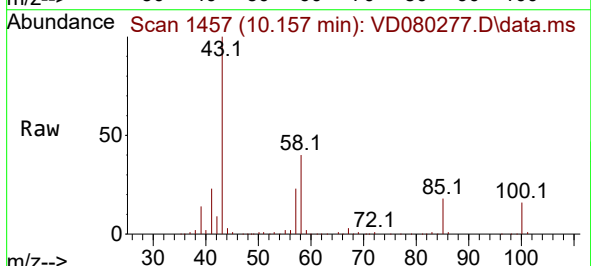
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050873

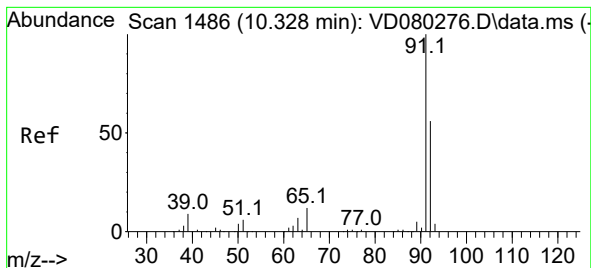
Tgt Ion: 75 Resp: 248833
 Ion Ratio Lower Upper
 75 100
 77 33.0 23.7 43.9



#40
 4-Methyl-2-pentanone
 Concen: 102.40 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

Tgt Ion: 43 Resp: 190524
 Ion Ratio Lower Upper
 43 100
 58 39.9 29.9 44.9
 100 15.4 11.3 16.9





#42

Toluene

Concen: 50.28 ug/L

RT: 10.333 min Scan# 1487

Delta R.T. 0.006 min

Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

Instrument :

MSVOA_D

ClientSampleId :

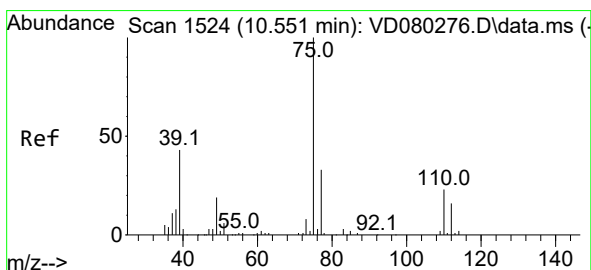
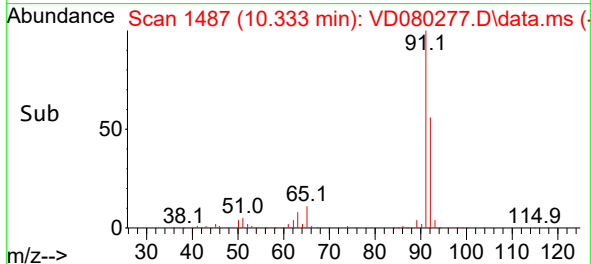
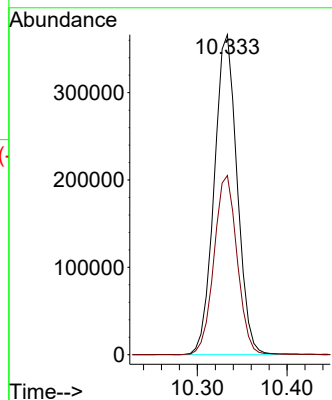
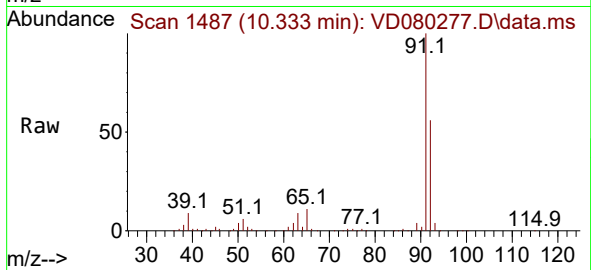
VSTD050873

Tgt Ion: 91 Resp: 650825

Ion Ratio Lower Upper

91 100

92 56.0 38.9 72.3



#44

trans-1,3-Dichloropropene

Concen: 53.25 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD080277.D

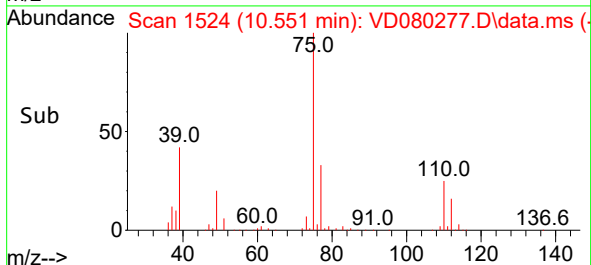
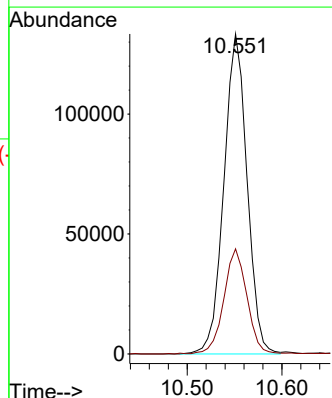
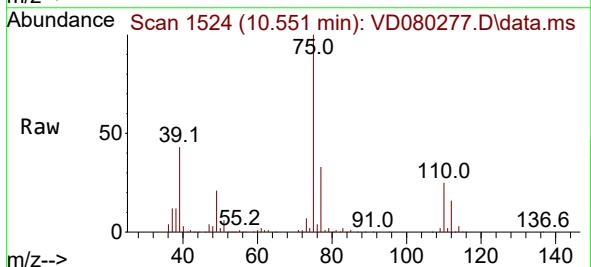
Acq: 18 Mar 2025 11:59

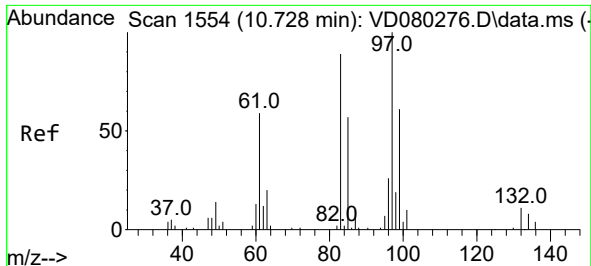
Tgt Ion: 75 Resp: 226610

Ion Ratio Lower Upper

75 100

77 32.8 22.9 42.5

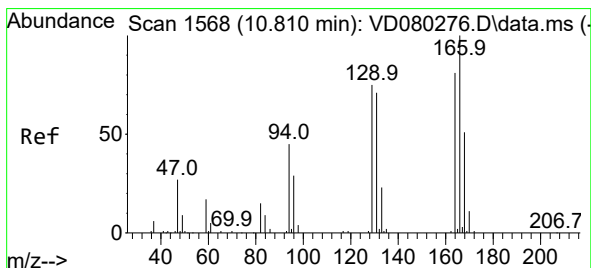
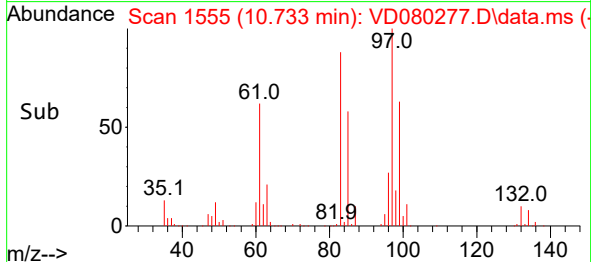
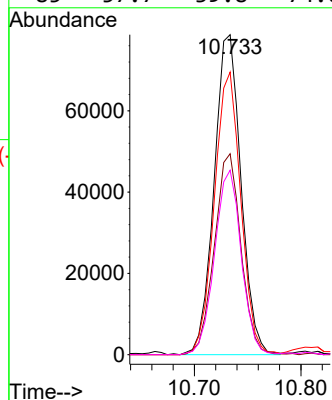
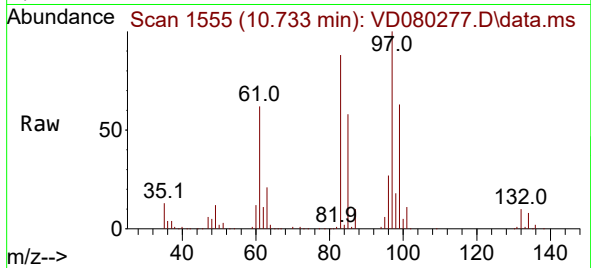




#45
1,1,2-Trichloroethane
Concen: 52.46 ug/L
RT: 10.733 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

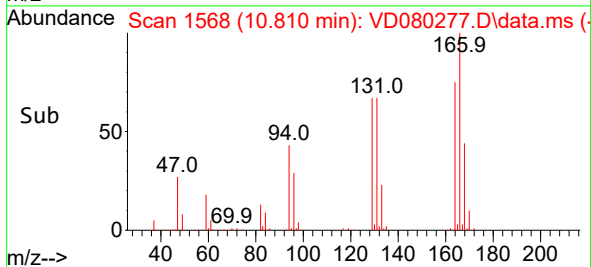
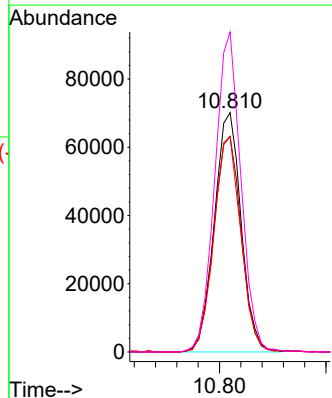
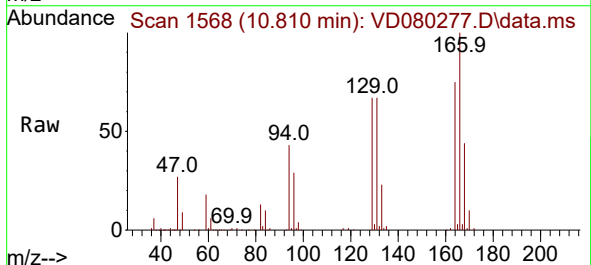
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

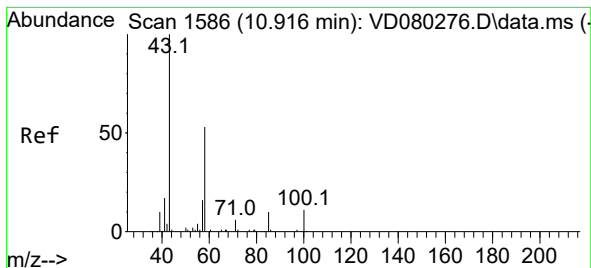
Tgt Ion:	97	Resp:	138122
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.0	79.8
83	88.3	62.2	115.4
85	57.7	39.8	74.0



#46
Tetrachloroethene
Concen: 48.75 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion:	164	Resp:	122593
Ion	Ratio	Lower	Upper
164	100		
129	90.1	64.9	120.5
131	90.0	61.5	114.3
166	133.7	86.5	160.7





#48

2-Hexanone

Concen: 120.58 ug/L

RT: 10.922 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

Instrument :

MSVOA_D

ClientSampleId :

VSTD050873

Tgt Ion: 43 Resp: 159366

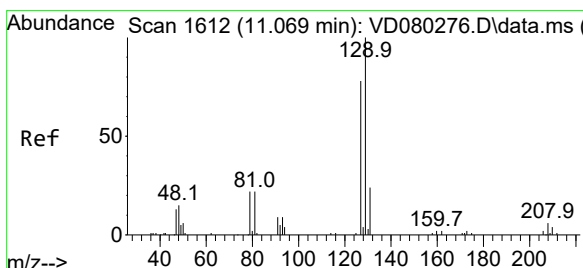
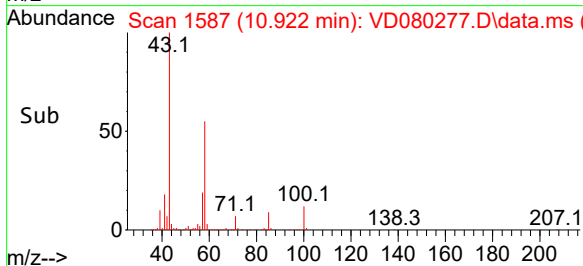
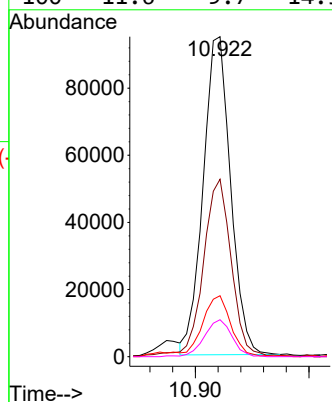
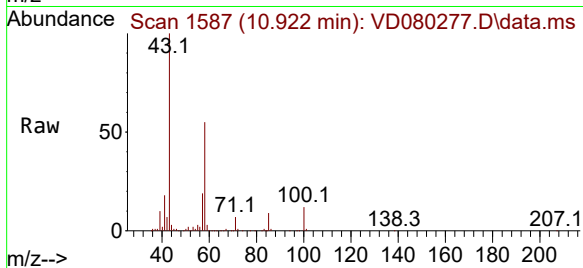
Ion Ratio Lower Upper

43 100

58 54.6 42.8 64.2

57 19.5 15.0 22.4

100 11.6 9.7 14.5



#49

Dibromochloromethane

Concen: 53.37 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.006 min

Lab File: VD080277.D

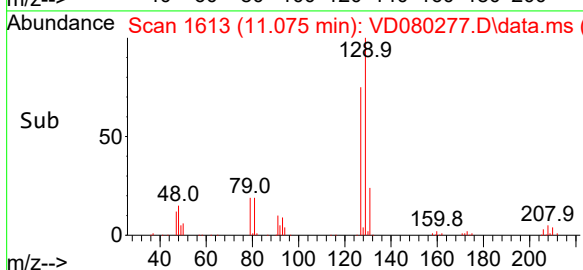
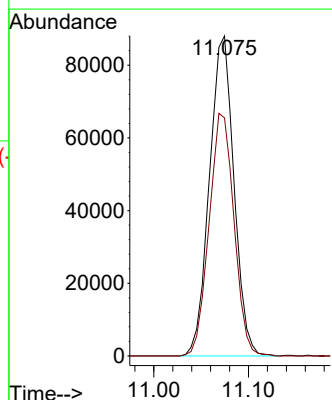
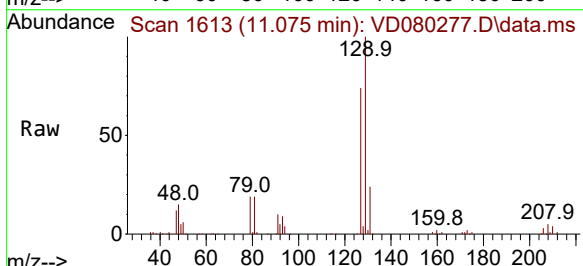
Acq: 18 Mar 2025 11:59

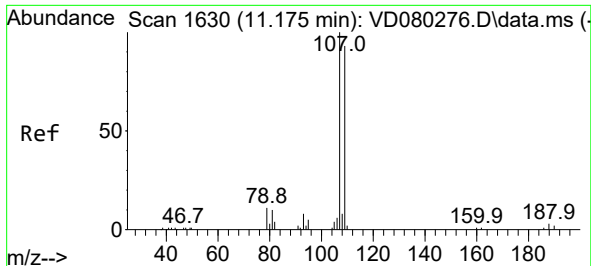
Tgt Ion: 129 Resp: 158849

Ion Ratio Lower Upper

129 100

127 74.4 54.9 101.9

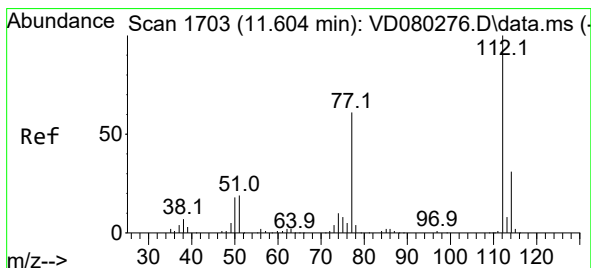
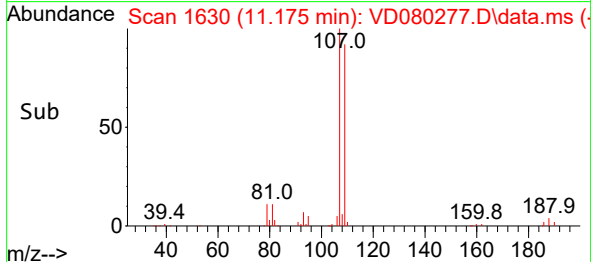
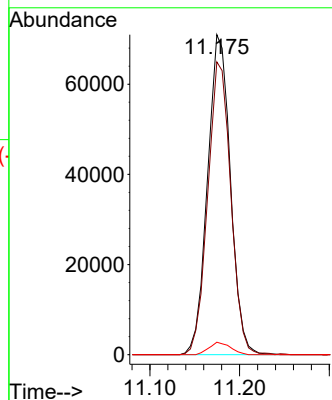
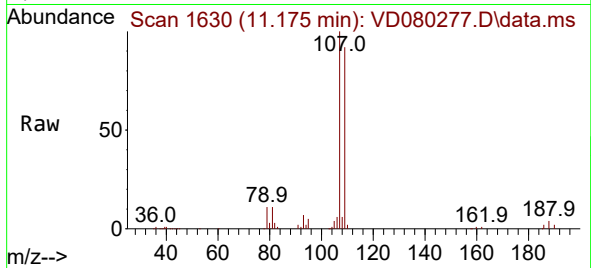




#50
1,2-Dibromoethane
Concen: 53.86 ug/L
RT: 11.175 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

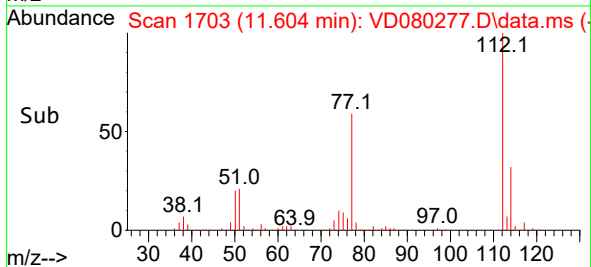
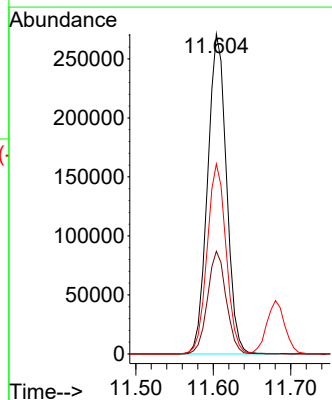
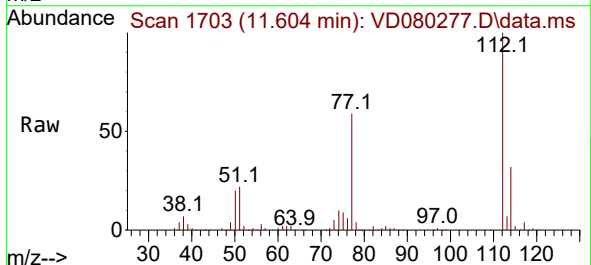
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

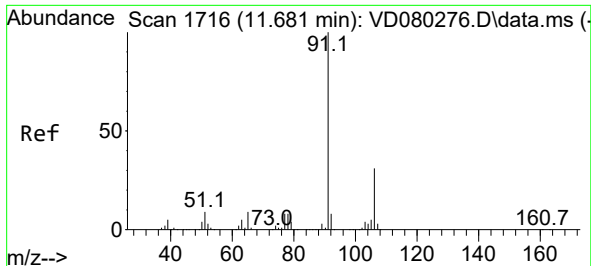
Tgt Ion:107 Resp: 125656
Ion Ratio Lower Upper
107 100
109 91.5 65.5 121.6
188 3.9 2.2 3.2#



#51
Chlorobenzene
Concen: 53.39 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion:112 Resp: 457904
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.6
77 59.4 48.8 73.2

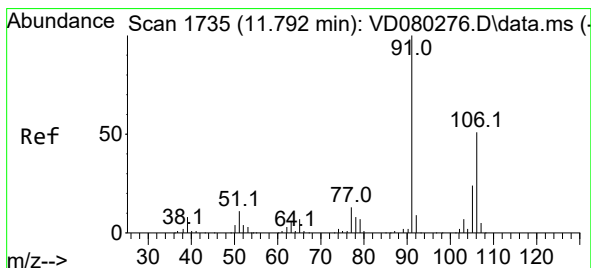
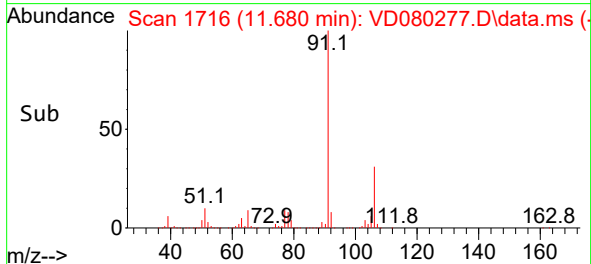
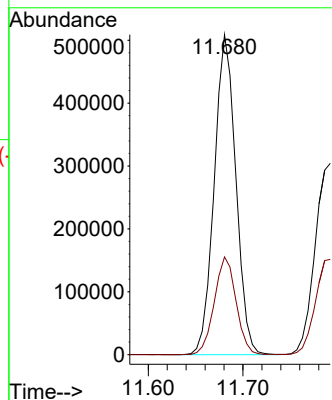
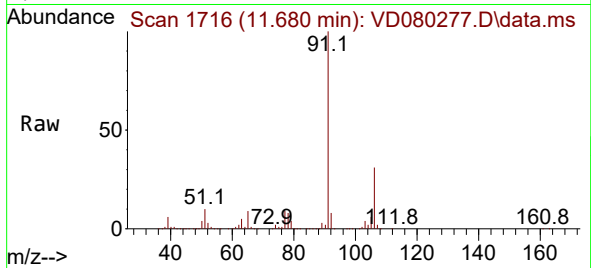




#52
Ethylbenzene
Concen: 57.26 ug/L
RT: 11.680 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

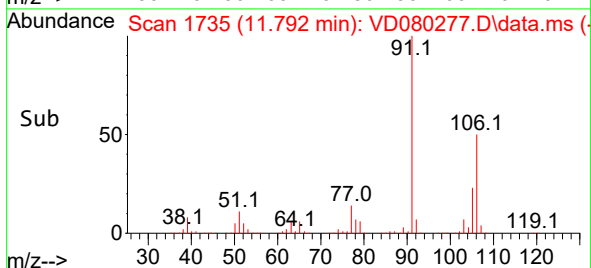
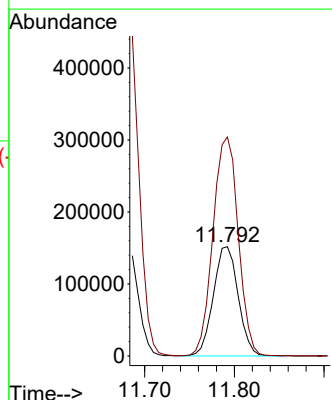
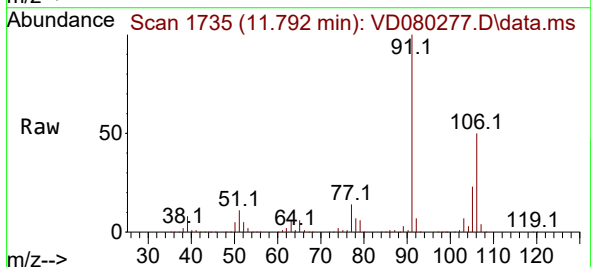
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

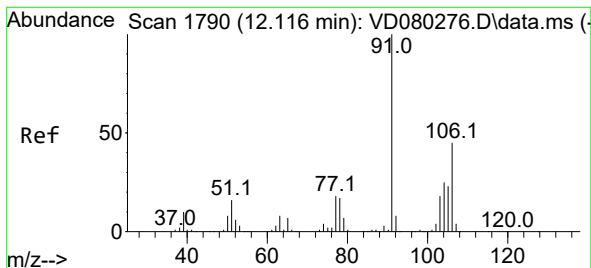
Tgt Ion: 91 Resp: 807424
Ion Ratio Lower Upper
91 100
106 30.6 21.4 39.8



#53
m,p-Xylene
Concen: 55.85 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion: 106 Resp: 291334
Ion Ratio Lower Upper
106 100
91 200.6 138.0 256.2

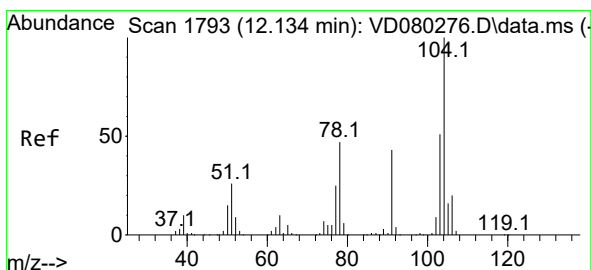
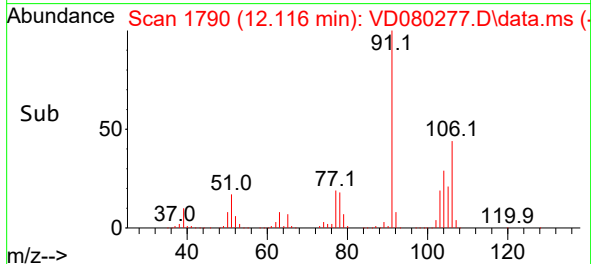
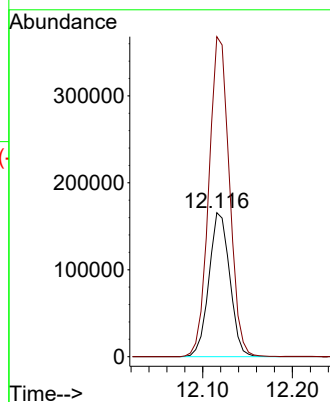
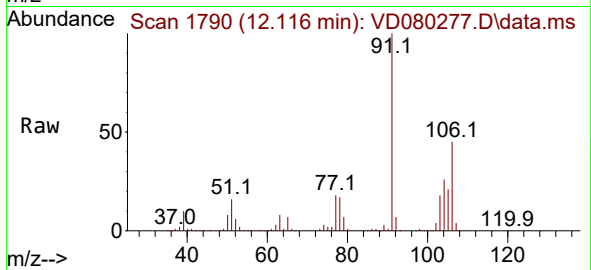




#54
o-Xylene
Concen: 53.82 ug/L
RT: 12.116 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

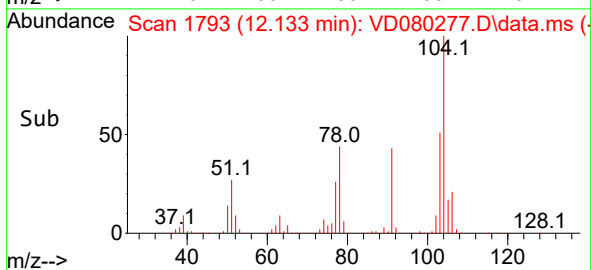
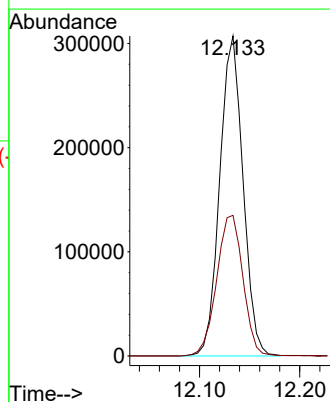
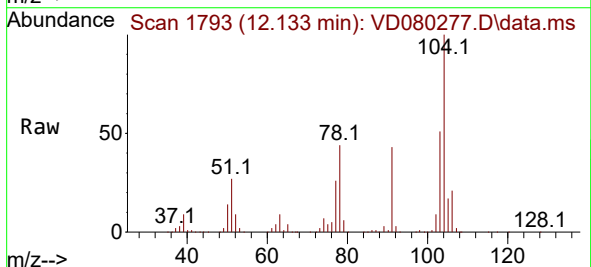
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

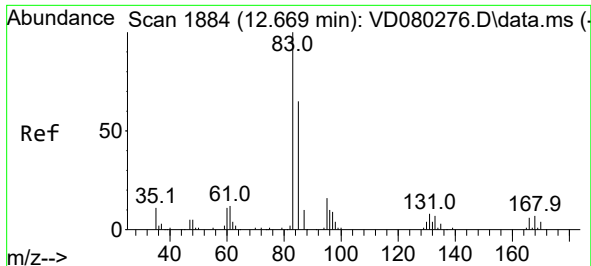
Tgt Ion:106 Resp: 266517
Ion Ratio Lower Upper
106 100
91 222.2 156.5 290.7



#55
Styrene
Concen: 55.15 ug/L
RT: 12.133 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion:104 Resp: 495036
Ion Ratio Lower Upper
104 100
78 43.9 32.7 60.7

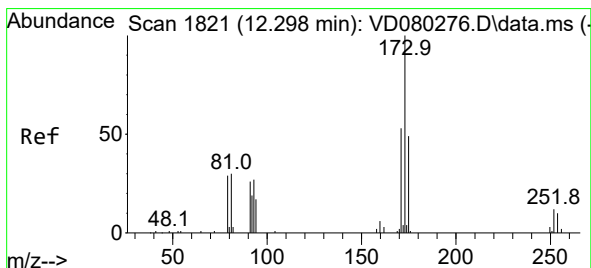
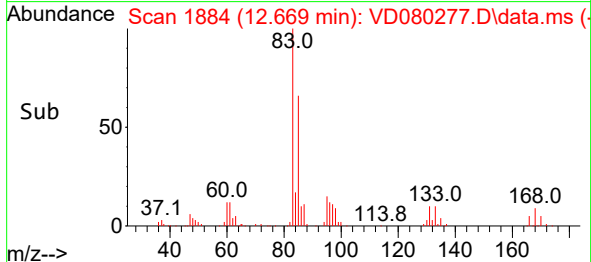
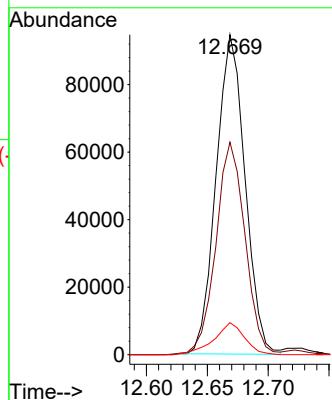
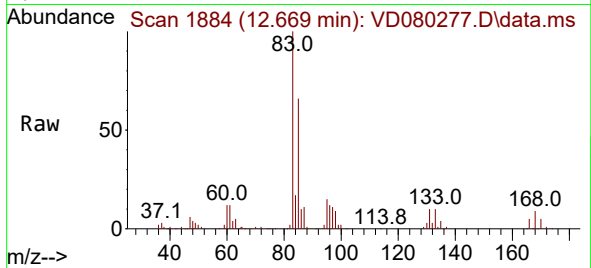




#57
1,1,2-Tetrachloroethane
Concen: 49.04 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

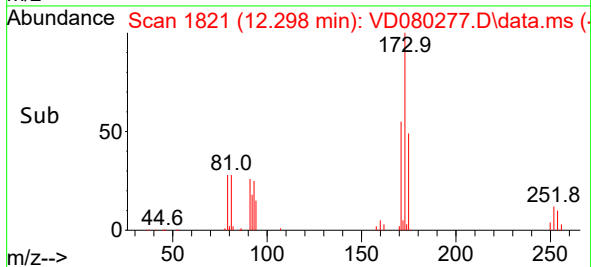
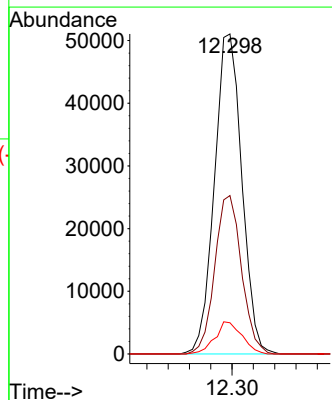
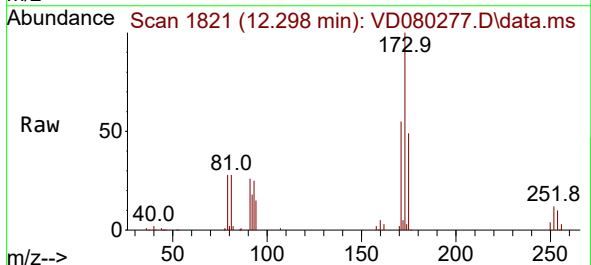
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

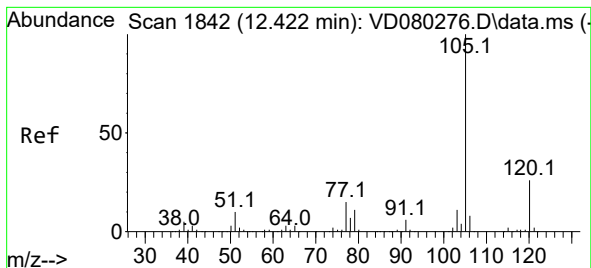
Tgt Ion: 83 Resp: 156332
Ion Ratio Lower Upper
83 100
85 66.4 46.1 85.7
131 10.0 6.9 10.3



#59
Bromoform
Concen: 54.19 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion: 173 Resp: 91045
Ion Ratio Lower Upper
173 100
175 48.3 38.8 58.2
254 9.9 7.8 11.6





#60

Isopropylbenzene

Concen: 57.96 ug/L

RT: 12.416 min Scan# 1841

Delta R.T. -0.006 min

Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

Instrument :

MSVOA_D

ClientSampleId :

VSTD050873

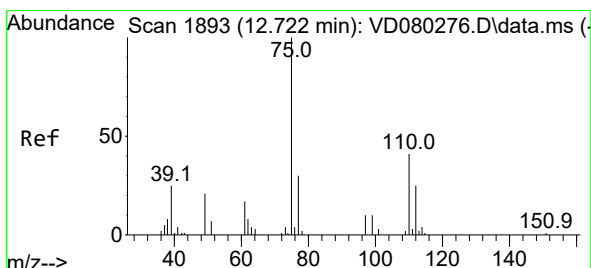
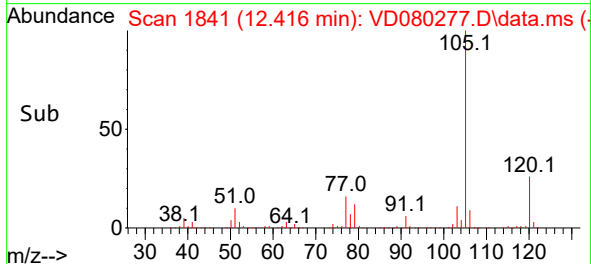
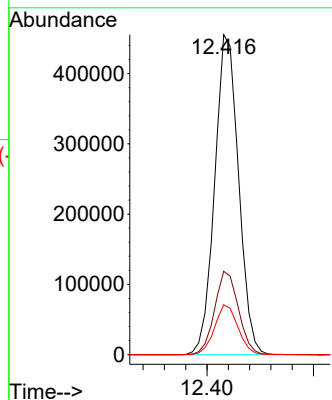
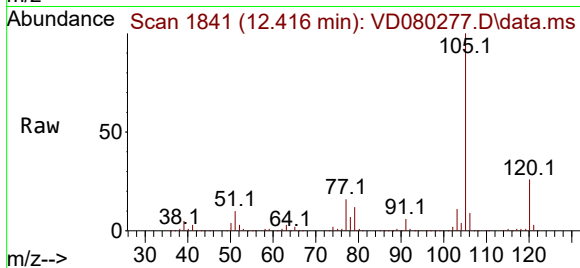
Tgt Ion:105 Resp: 707862

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 15.3 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 54.16 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

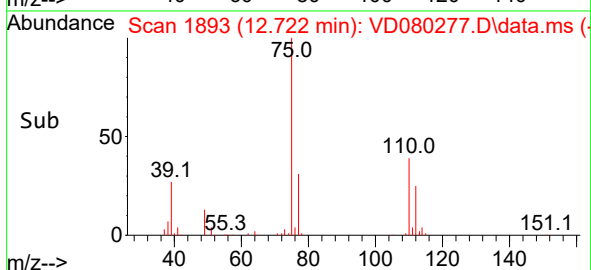
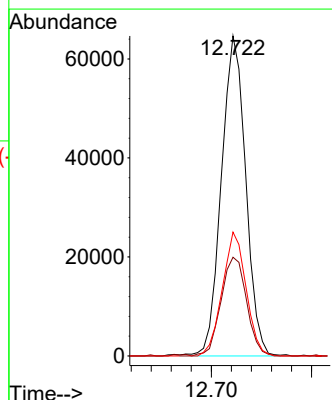
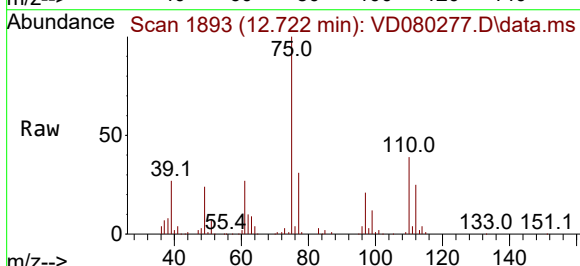
Tgt Ion: 75 Resp: 108822

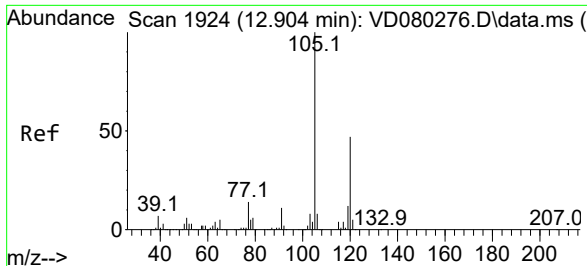
Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

110 37.8 30.7 46.1

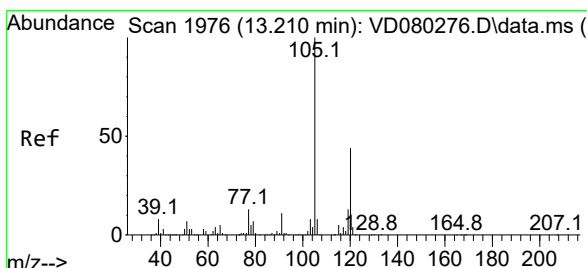
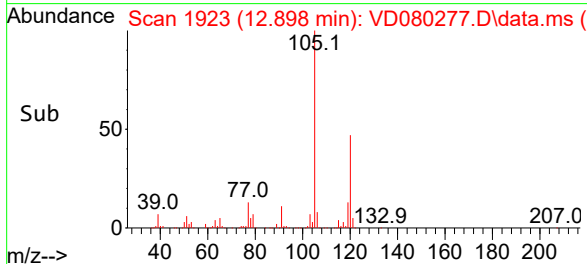
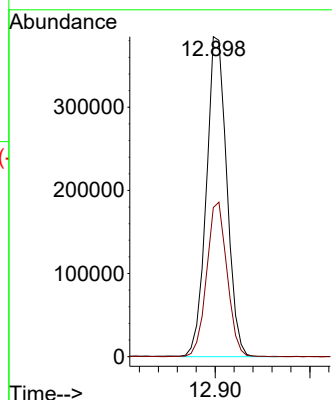
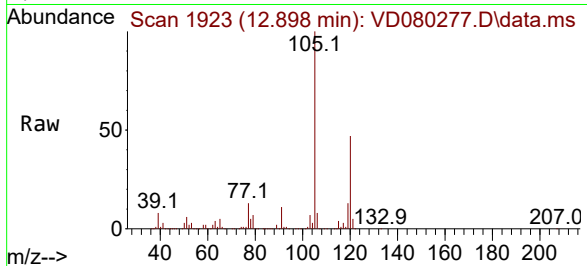




#62
 1,3,5-Trimethylbenzene
 Concen: 59.83 ug/L
 RT: 12.898 min Scan# 1923
 Delta R.T. -0.006 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

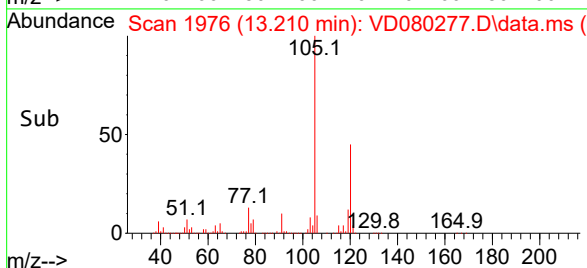
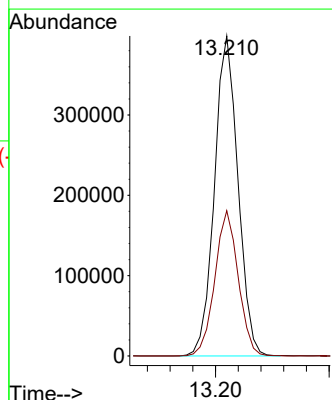
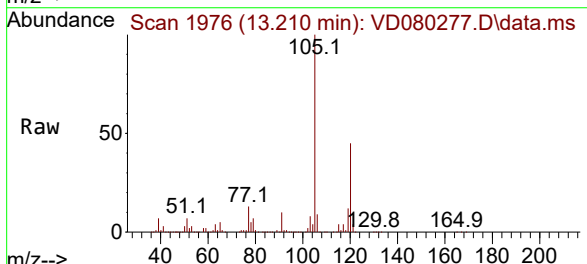
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050873

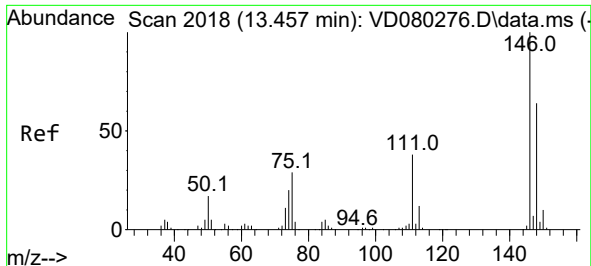
Tgt Ion:105 Resp: 575597
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 58.55 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

Tgt Ion:105 Resp: 572423
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.2 54.4

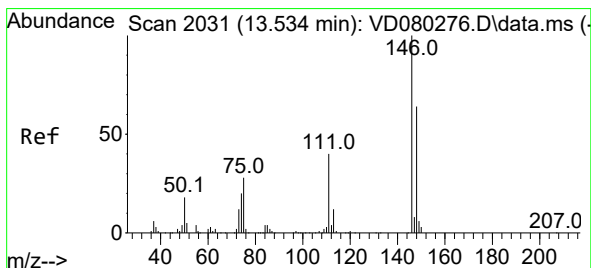
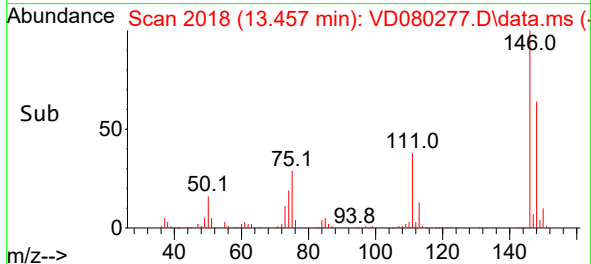
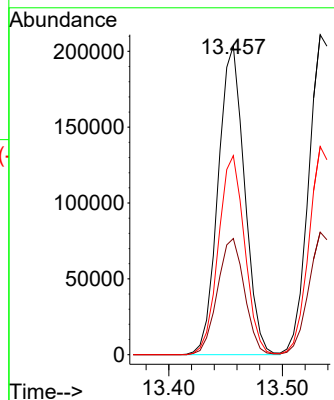
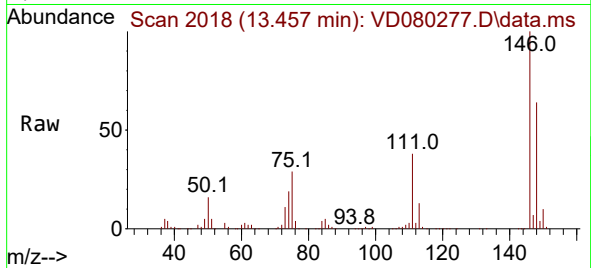




#64
1,3-Dichlorobenzene
Concen: 53.87 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

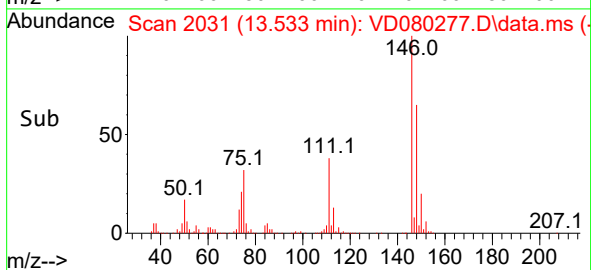
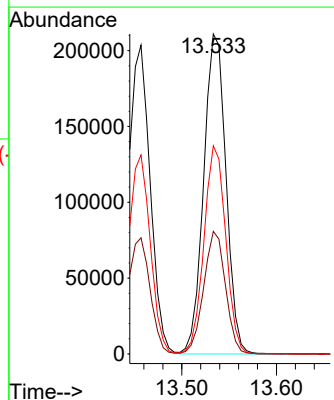
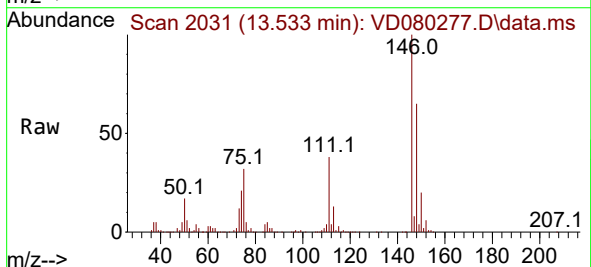
Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

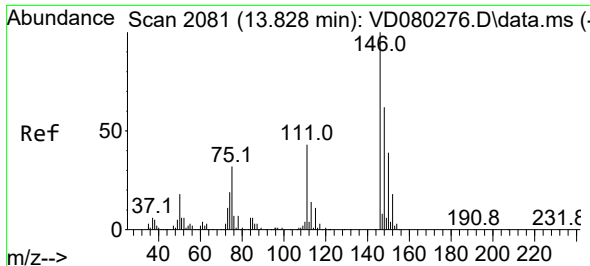
Tgt Ion:146 Resp: 328728
Ion Ratio Lower Upper
146 100
111 37.6 26.9 49.9
148 64.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 52.56 ug/L
RT: 13.533 min Scan# 2031
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion:146 Resp: 345365
Ion Ratio Lower Upper
146 100
111 38.3 27.9 51.7
148 65.0 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 54.59 ug/L

RT: 13.827 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

Instrument :

MSVOA_D

ClientSampleId :

VSTD050873

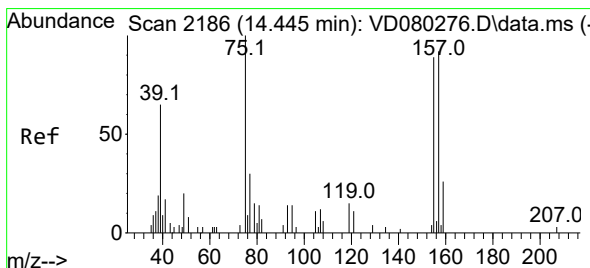
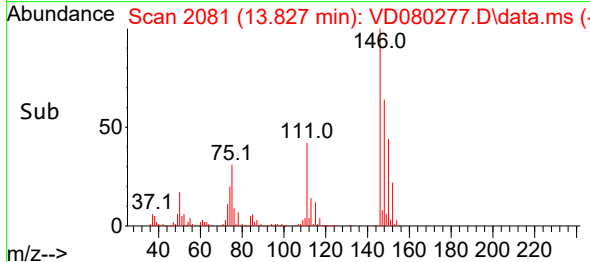
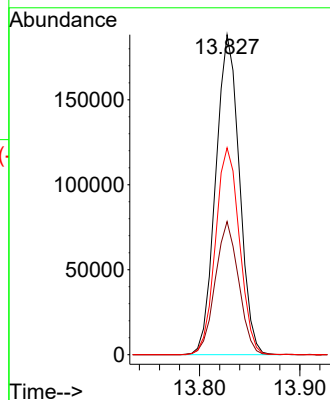
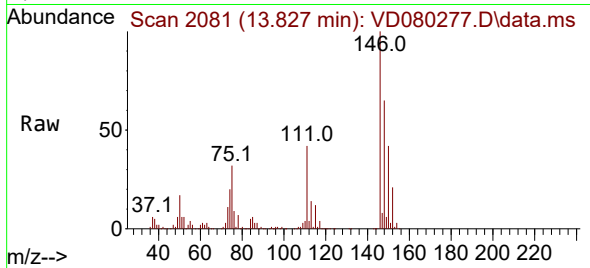
Tgt Ion:146 Resp: 307927

Ion Ratio Lower Upper

146 100

111 41.6 34.2 51.2

148 64.7 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 53.23 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.000 min

Lab File: VD080277.D

Acq: 18 Mar 2025 11:59

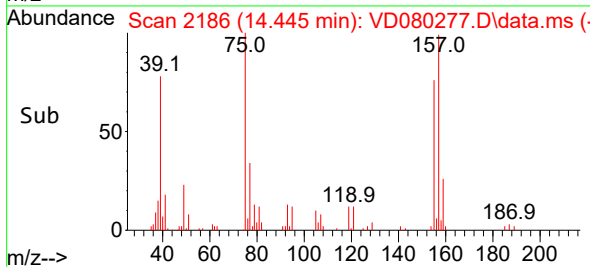
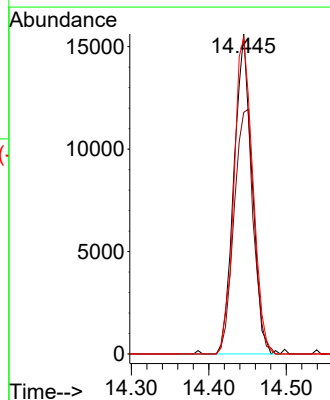
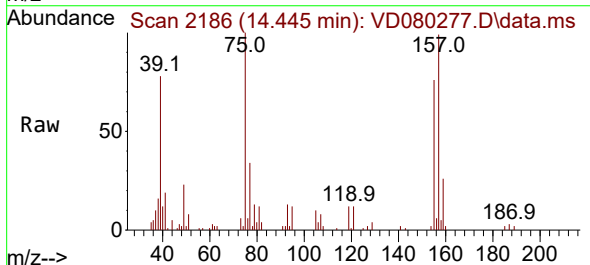
Tgt Ion: 75 Resp: 25313

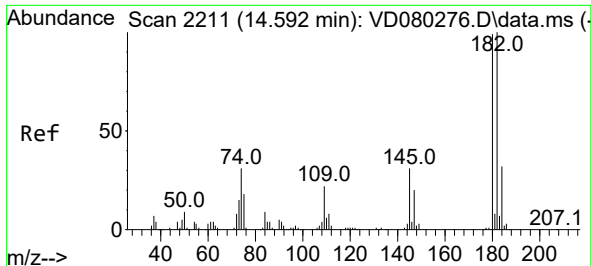
Ion Ratio Lower Upper

75 100

155 75.5 71.5 107.3

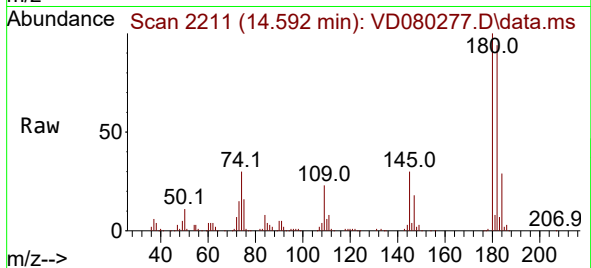
157 98.8 73.5 110.3



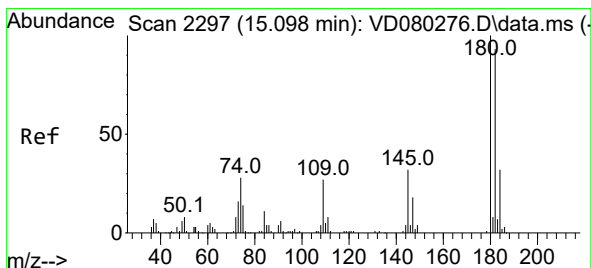
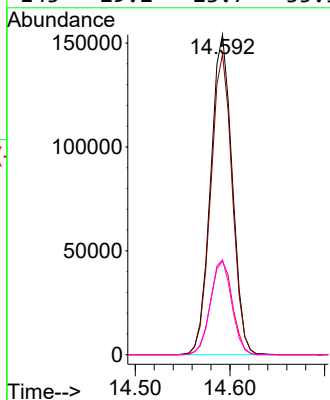
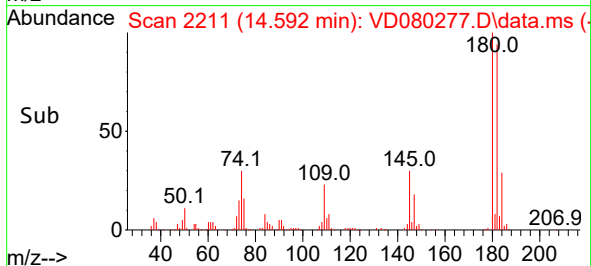


#69
 1,3,5-Trichlorobenzene
 Concen: 60.60 ug/L
 RT: 14.592 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59

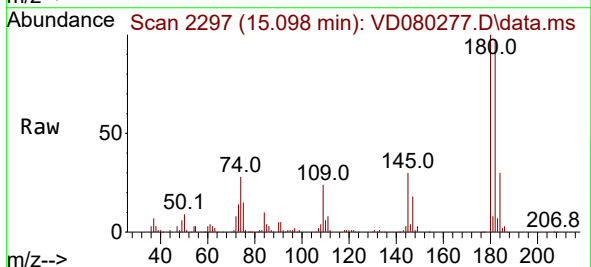
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050873



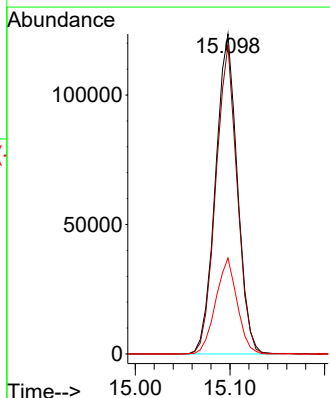
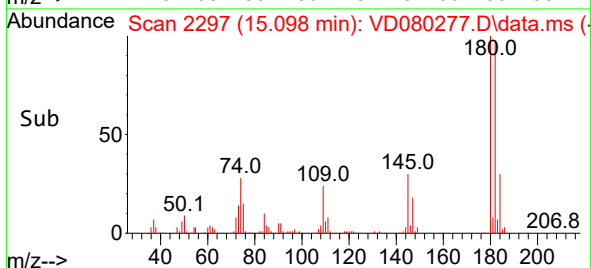
Tgt Ion:180	Resp:	243206	
Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.0	115.4
184	29.9	24.0	36.0
145	29.2	23.7	35.5

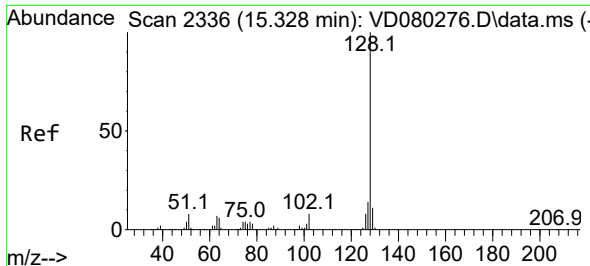


#70
 1,2,4-trichlorobenzene
 Concen: 59.44 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.000 min
 Lab File: VD080277.D
 Acq: 18 Mar 2025 11:59



Tgt Ion:180	Resp:	198755	
Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.4	113.0
145	29.3	23.1	34.7

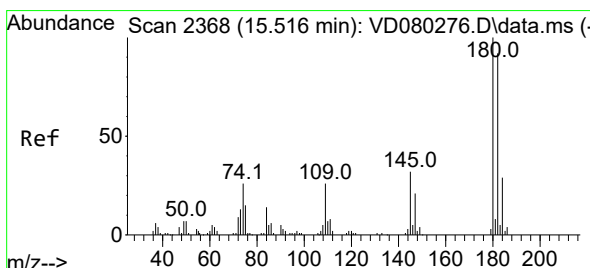
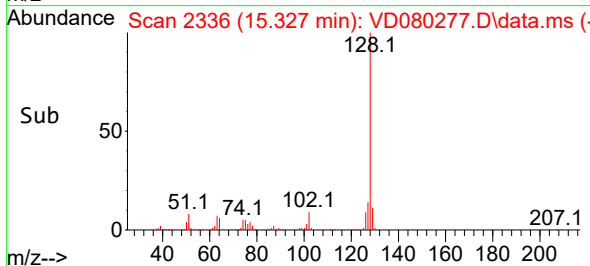
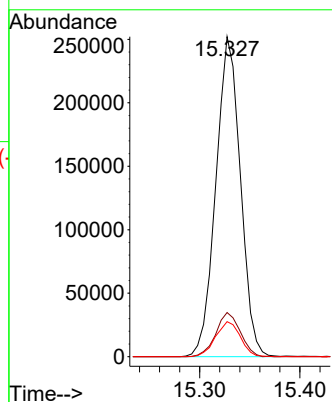
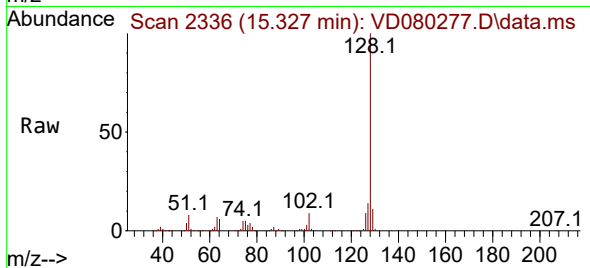




#71
Naphthalene
Concen: 68.26 ug/L
RT: 15.327 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Instrument :
MSVOA_D
ClientSampleId :
VSTD050873

Tgt Ion:128 Resp: 428800
Ion Ratio Lower Upper
128 100
127 13.7 11.4 17.2
129 11.0 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 58.78 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. -0.000 min
Lab File: VD080277.D
Acq: 18 Mar 2025 11:59

Tgt Ion:180 Resp: 177467
Ion Ratio Lower Upper
180 100
182 94.1 73.8 110.6
145 31.7 24.8 37.2

