

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080278.D
 Acq On : 18 Mar 2025 12:28
 Operator : RP/MD
 Sample : VSTD100873
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD100874

Quant Time: Mar 24 09:12:06 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	195961	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	196827	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	114772	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.264	65	536966	83.22	ug/L	0.00
7) Chloroethane-d5	2.787	69	500523	87.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.905	65	128629	94.36	ug/L	0.00
21) 2-Butanone-d5	6.987	46	133299	191.65	ug/L	0.00
24) Chloroform-d	7.563	84	579075	95.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	316296	95.79	ug/L	0.00
32) Benzene-d6	8.199	84	1164826	101.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	343226	92.51	ug/L	0.00
41) Toluene-d8	10.269	98	1129981	108.84	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	160276	104.94	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	128606	239.54	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.645	84	336566	102.08	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	380379	94.61	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	305556	83.89	ug/L	98
3) Chloromethane	2.146	50	486202	82.61	ug/L	99
5) Vinyl chloride	2.275	62	658442	86.04	ug/L	95
6) Bromomethane	2.675	94	400321	100.52	ug/L	93
8) Chloroethane	2.822	64	432150	83.52	ug/L	99
9) Trichlorofluoromethane	3.164	101	481426	84.33	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.952	101	282102	83.68	ug/L	97
12) 1,1-Dichloroethene	3.928	96	273458	95.26	ug/L	89
13) Acetone	4.022	43	118746	163.04	ug/L	96
14) Carbon disulfide	4.258	76	948656	89.22	ug/L	99
15) Methyl Acetate	4.564	43	144943	89.09	ug/L	96
16) Methylene chloride	4.793	84	316412	82.43	ug/L	90
17) trans-1,2-Dichloroethene	5.305	96	298926	96.27	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	708517	108.67	ug/L	99
19) 1,1-Dichloroethane	6.105	63	510786	82.87	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	301207	89.99	ug/L	96
22) 2-Butanone	6.993	43	698	0.74	ug/L	96
23) Bromochloromethane	7.422	128	143372	89.67	ug/L	96
25) Chloroform	7.593	83	555005	85.04	ug/L	98
27) 1,2-Dichloroethane	8.322	62	336559	82.59	ug/L	99
29) Cyclohexane	7.875	56	467547	100.89	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	439516	84.97	ug/L	99
31) Carbon tetrachloride	7.987	117	391186	86.16	ug/L	99
33) Benzene	8.246	78	1188802	92.95	ug/L	100
34) Trichloroethene	9.028	95	281819	82.54	ug/L	97
35) Methylcyclohexane	9.275	83	459435	94.97	ug/L	97
37) 1,2-Dichloropropane	9.304	63	301287	81.20	ug/L	100
38) Bromodichloromethane	9.581	83	424598	90.15	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	535500	99.58	ug/L	95
40) 4-Methyl-2-pentanone	10.157	43	430749	219.39	ug/L	97
42) Toluene	10.334	91	1388660	101.67	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	444032	98.88	ug/L	99

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 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)

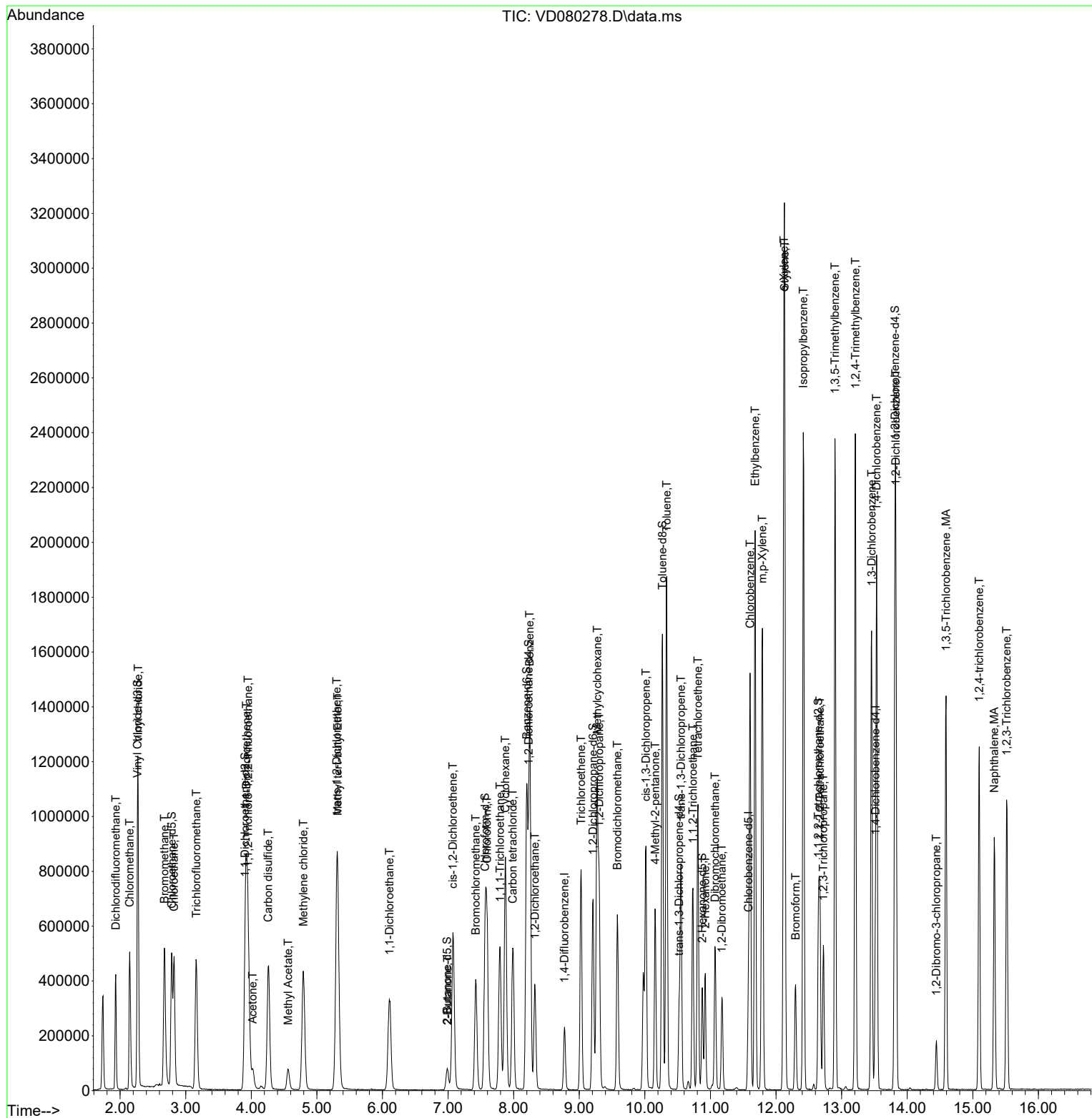
45) 1,1,2-Trichloroethane	10.734	97	237606	85.52	ug/L	98
46) Tetrachloroethene	10.810	164	234439	88.35	ug/L	97
48) 2-Hexanone	10.922	43	257567	184.68	ug/L	96
49) Dibromochloromethane	11.069	129	270327	86.07	ug/L	99
50) 1,2-Dibromoethane	11.175	107	224980	91.39	ug/L #	100
51) Chlorobenzene	11.604	112	796124	87.97	ug/L	96
52) Ethylbenzene	11.681	91	1411300	94.85	ug/L	98
53) m,p-Xylene	11.793	106	537731	97.68	ug/L	99
54) o-Xylene	12.122	106	536701	102.70	ug/L	94
55) Styrene	12.134	104	975781	103.01	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.669	83	327220	97.26	ug/L	97
59) Bromoform	12.298	173	171420	80.63	ug/L	99
60) Isopropylbenzene	12.416	105	1508236	97.61	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	214480	84.36	ug/L	98
62) 1,3,5-Trimethylbenzene	12.898	105	1218720	100.11	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	1230398	99.46	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	686381	88.89	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	717800	86.34	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	621359	87.06	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	43885	72.93	ug/L	92
69) 1,3,5-Trichlorobenzene	14.592	180	442701	87.17	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	382275	90.35	ug/L	100
71) Naphthalene	15.328	128	767799	96.60	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	357101	93.49	ug/L	99

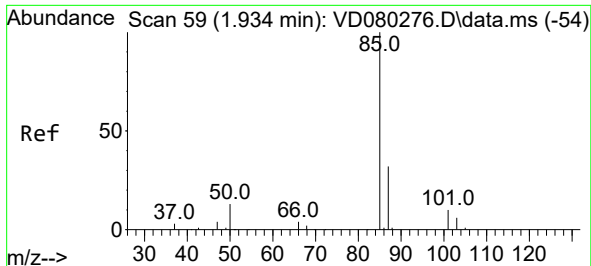
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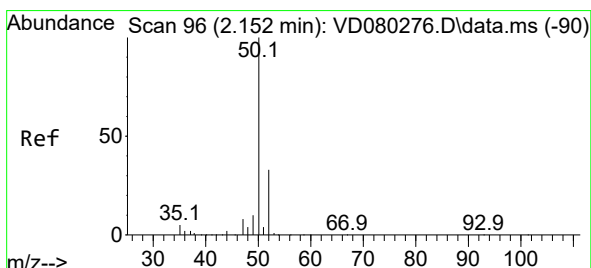
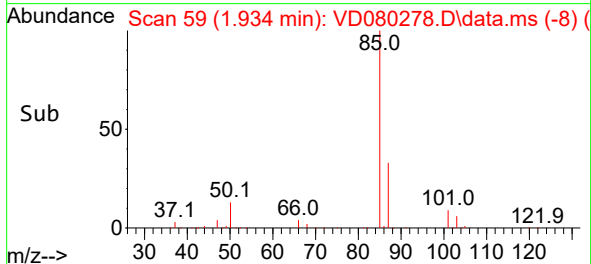
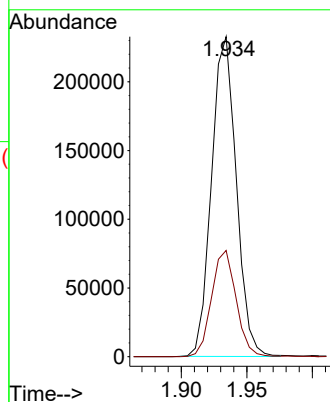
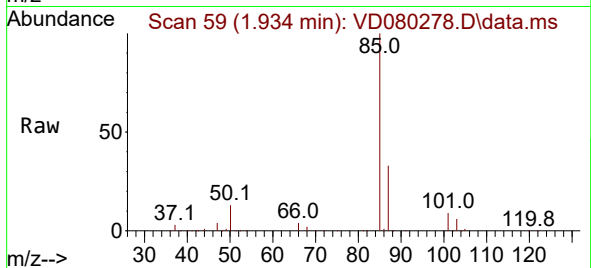




#2
Dichlorodifluoromethane
Concen: 83.89 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

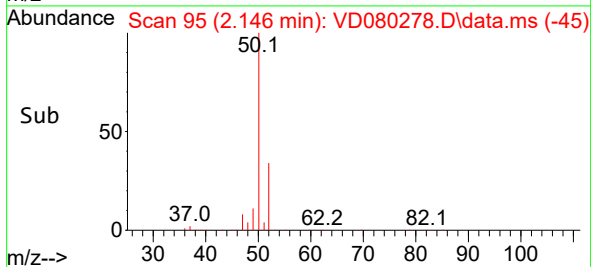
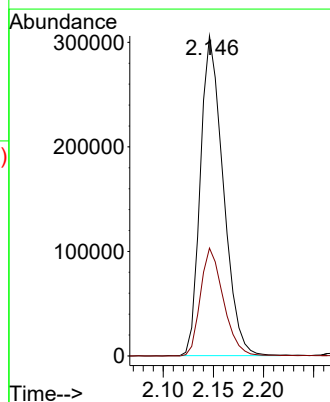
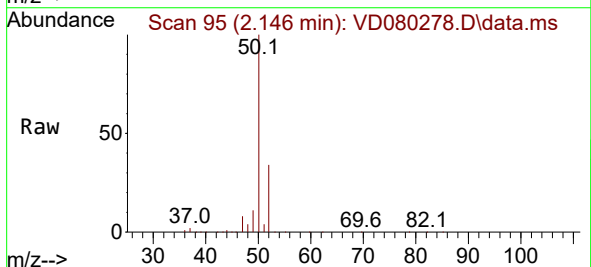
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MSVOA_D
ClientSampleId :
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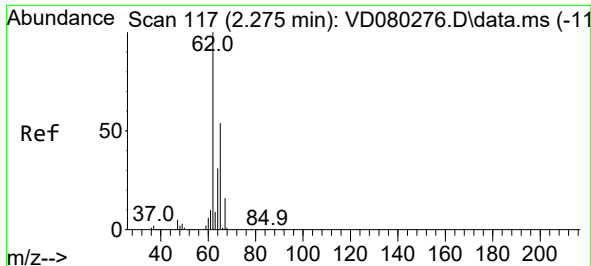
Tgt Ion: 85 Resp: 305556
Ion Ratio Lower Upper
85 100
87 32.9 25.6 38.4



#3
Chloromethane
Concen: 82.61 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion: 50 Resp: 486202
Ion Ratio Lower Upper
50 100
52 33.7 23.1 42.9

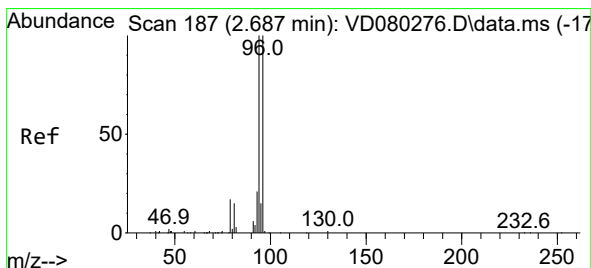
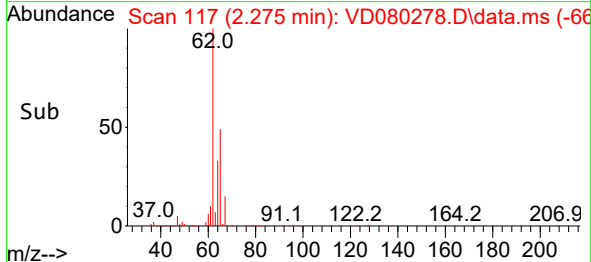
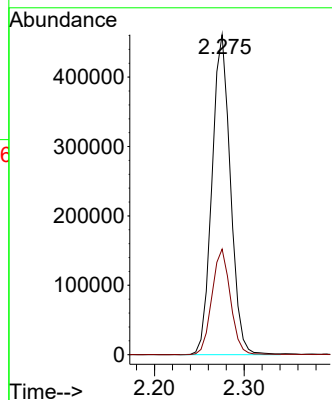
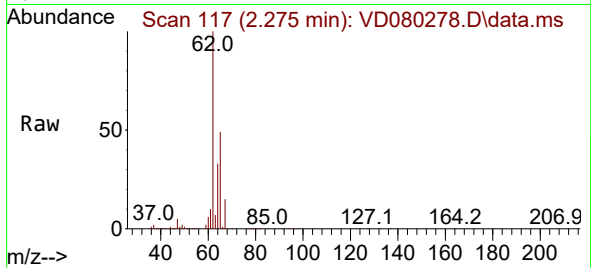




#5
 Vinyl chloride
 Concen: 86.04 ug/L
 RT: 2.275 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: VD080278.D
 Acq: 18 Mar 2025 12:28

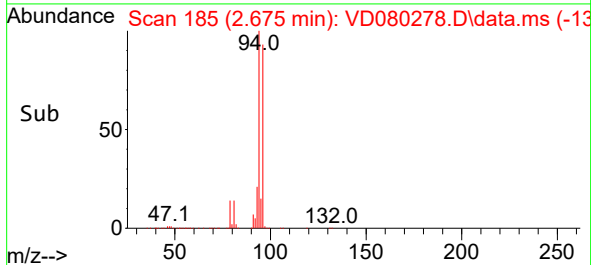
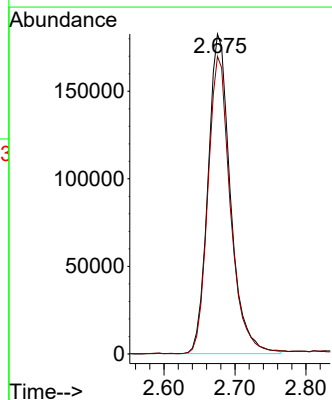
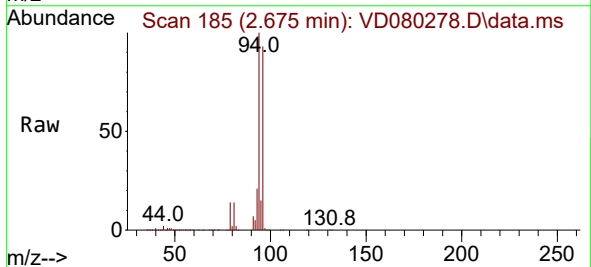
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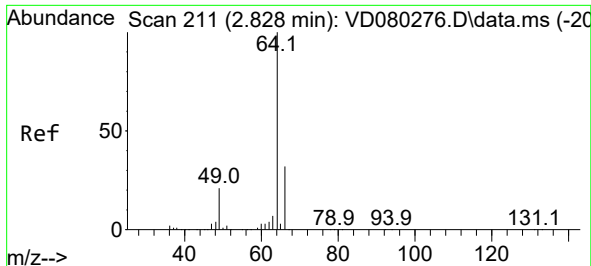
Tgt Ion: 62 Resp: 658442
 Ion Ratio Lower Upper
 62 100
 64 33.0 21.3 39.6



#6
 Bromomethane
 Concen: 100.52 ug/L
 RT: 2.675 min Scan# 185
 Delta R.T. -0.012 min
 Lab File: VD080278.D
 Acq: 18 Mar 2025 12:28

Tgt Ion: 94 Resp: 400321
 Ion Ratio Lower Upper
 94 100
 96 93.0 70.3 130.5

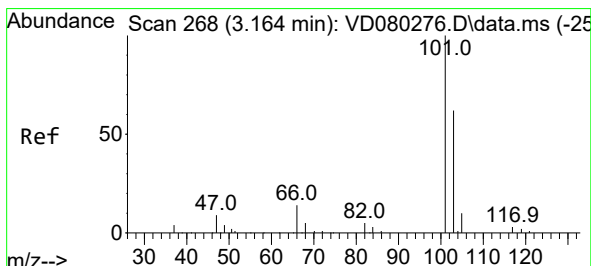
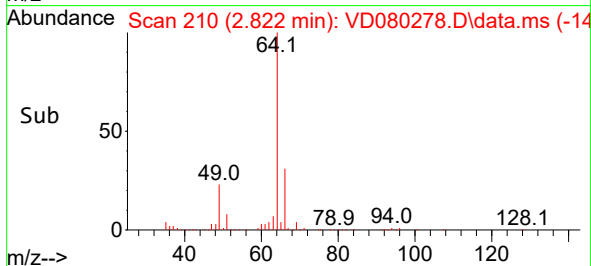
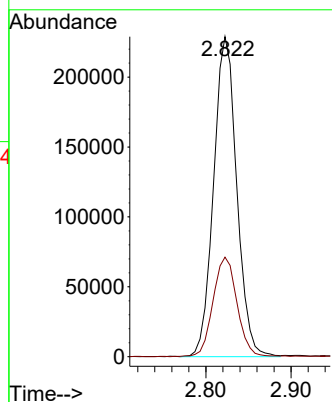
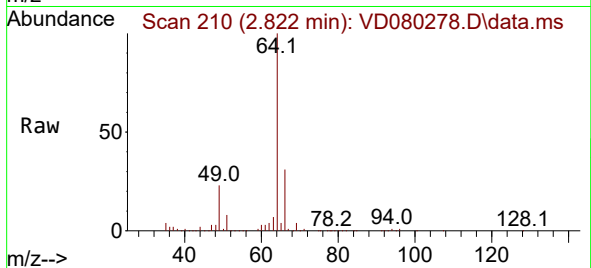




#8
Chloroethane
Concen: 83.52 ug/L
RT: 2.822 min Scan# 211
Delta R.T. -0.006 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

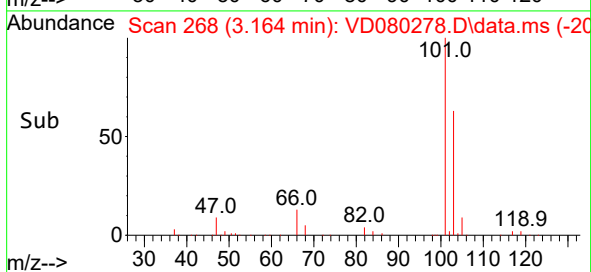
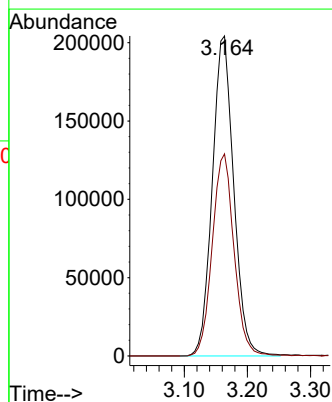
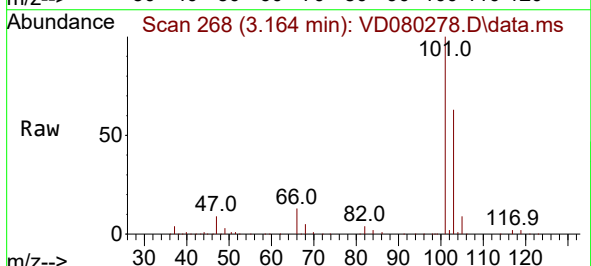
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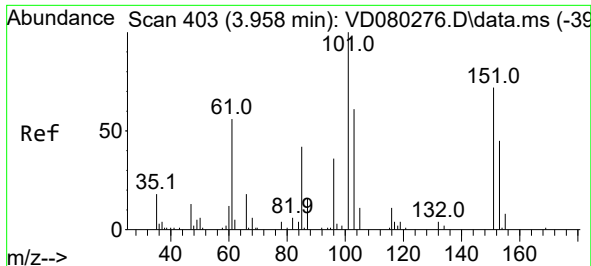
Tgt Ion: 64 Resp: 432150
Ion Ratio Lower Upper
64 100
66 31.1 22.3 41.3



#9
Trichlorofluoromethane
Concen: 84.33 ug/L
RT: 3.164 min Scan# 268
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion:101 Resp: 481426
Ion Ratio Lower Upper
101 100
103 64.0 52.0 78.0

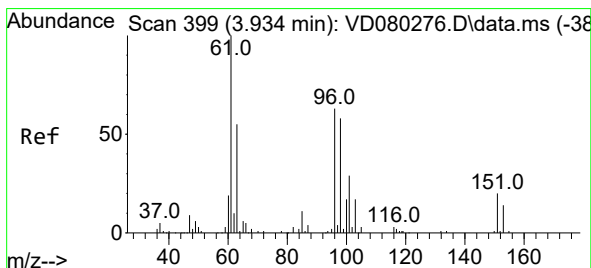
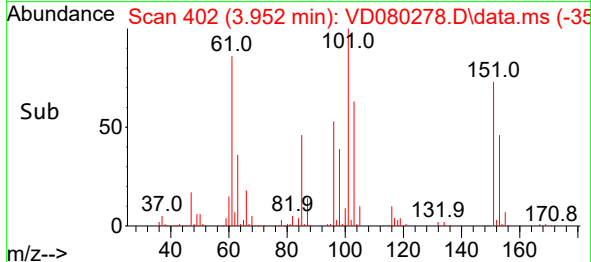
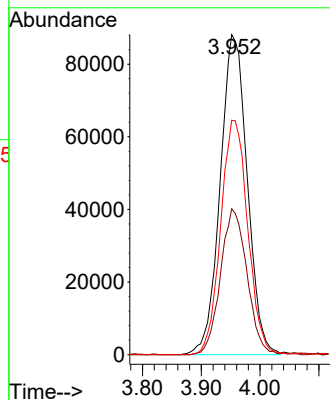
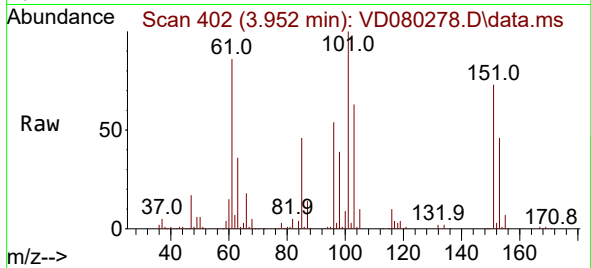




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 83.68 ug/L
 RT: 3.952 min Scan# 403
 Delta R.T. -0.006 min
 Lab File: VD080278.D
 Acq: 18 Mar 2025 12:28

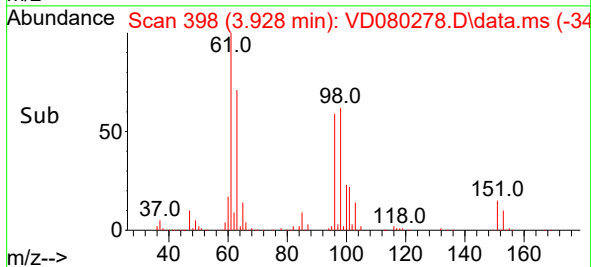
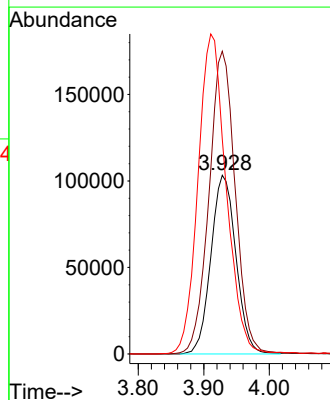
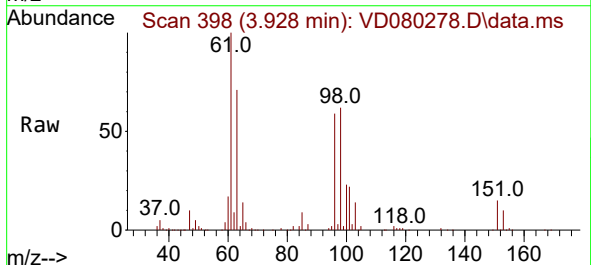
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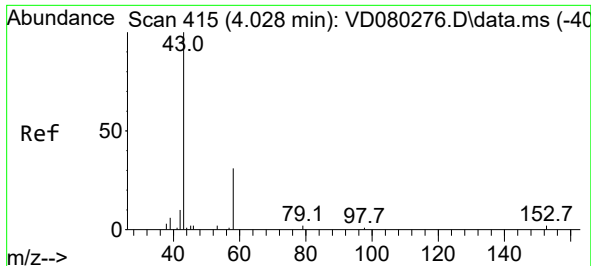
Tgt Ion:101 Resp: 282102
 Ion Ratio Lower Upper
 101 100
 85 44.5 35.7 53.5
 151 73.2 55.6 83.4



#12
 1,1-Dichloroethene
 Concen: 95.26 ug/L
 RT: 3.928 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VD080278.D
 Acq: 18 Mar 2025 12:28

Tgt Ion: 96 Resp: 273458
 Ion Ratio Lower Upper
 96 100
 61 169.3 112.5 208.9
 63 120.2 71.3 132.5

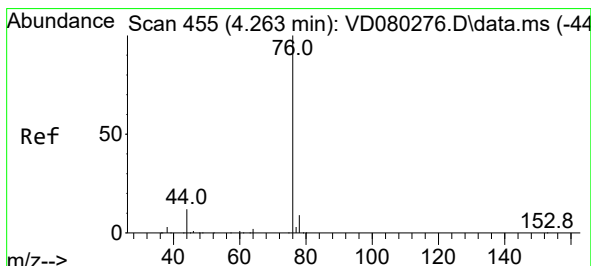
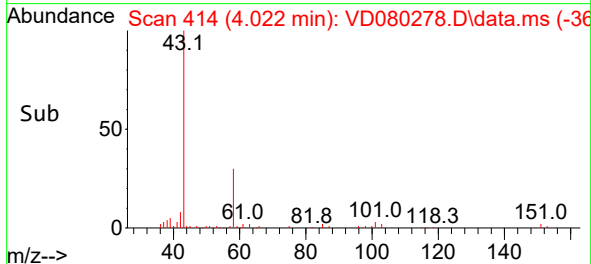
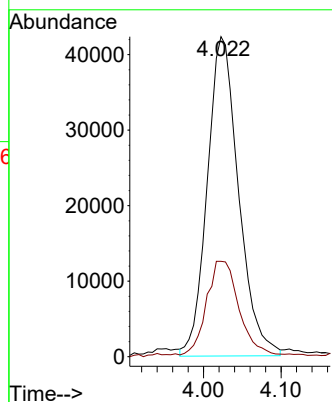
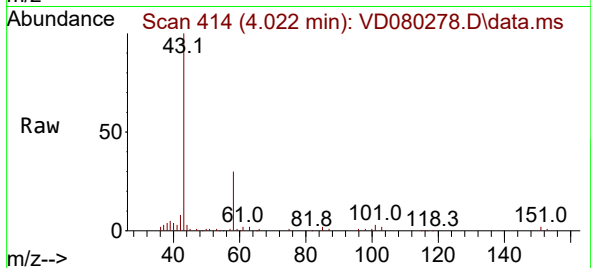




#13
Acetone
Concen: 163.04 ug/L
RT: 4.022 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

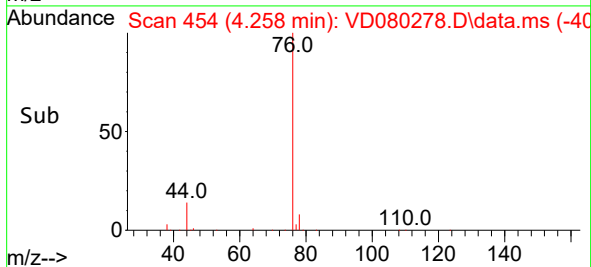
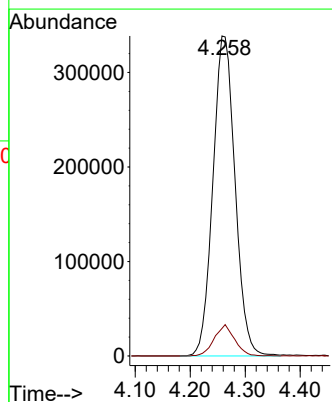
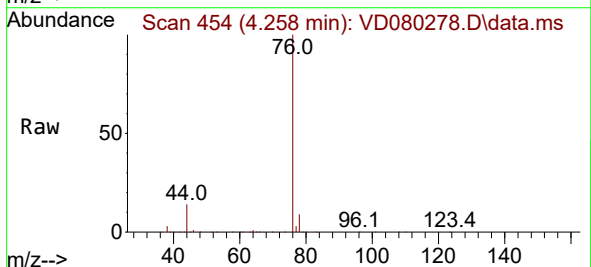
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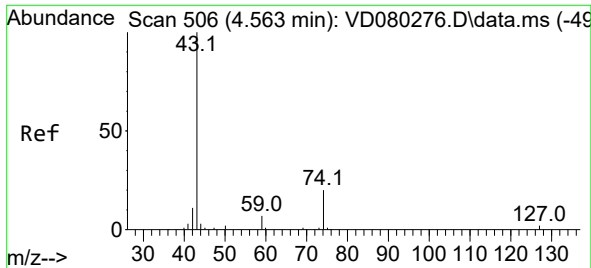
Tgt Ion: 43 Resp: 118746
Ion Ratio Lower Upper
43 100
58 30.4 0.0 65.2



#14
Carbon disulfide
Concen: 89.22 ug/L
RT: 4.258 min Scan# 454
Delta R.T. -0.006 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion: 76 Resp: 948656
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8

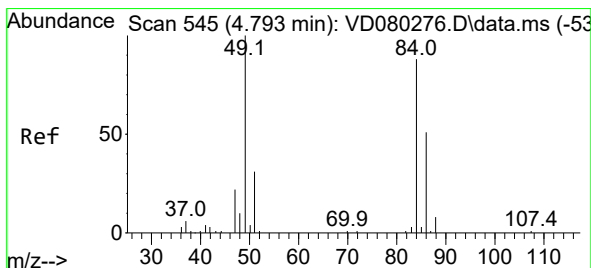
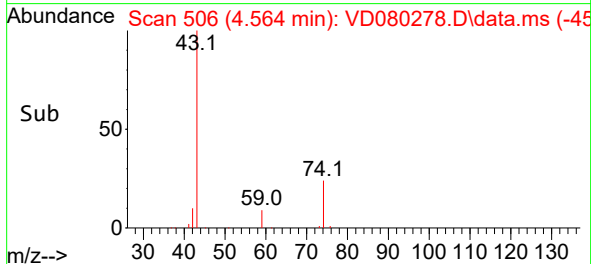
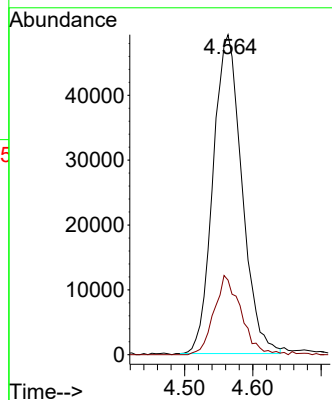
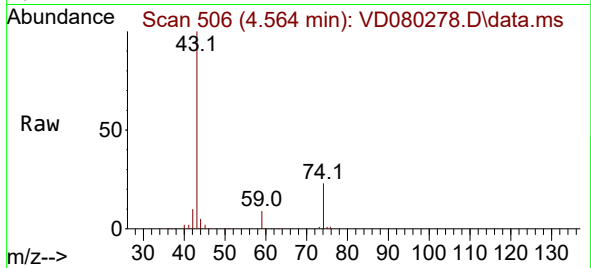




#15
Methyl Acetate
Concen: 89.09 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

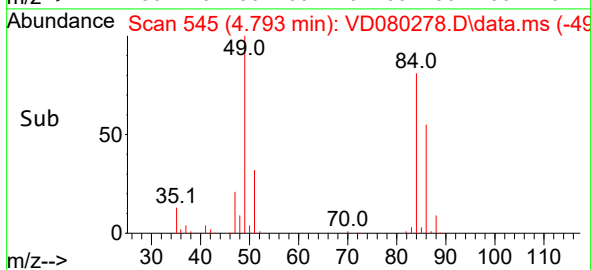
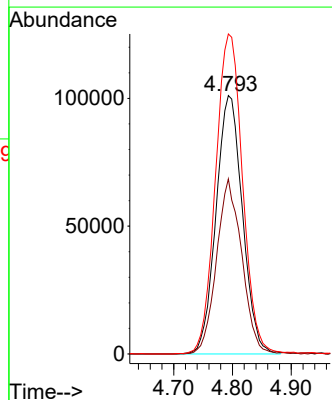
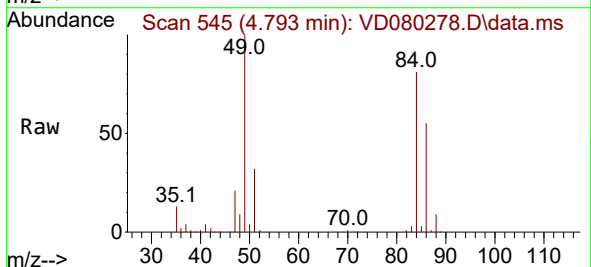
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

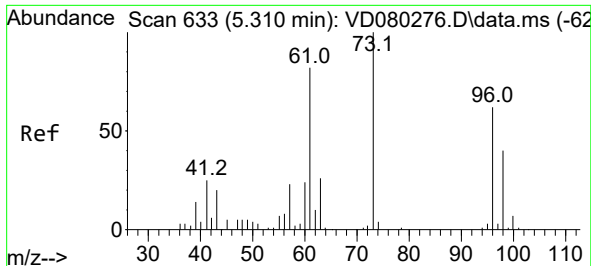
Tgt Ion: 43 Resp: 144943
Ion Ratio Lower Upper
43 100
74 23.2 17.2 25.8



#16
Methylene chloride
Concen: 82.43 ug/L
RT: 4.793 min Scan# 545
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion: 84 Resp: 316412
Ion Ratio Lower Upper
84 100
86 67.7 40.9 75.9
49 123.8 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 96.27 ug/L

RT: 5.305 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD100874

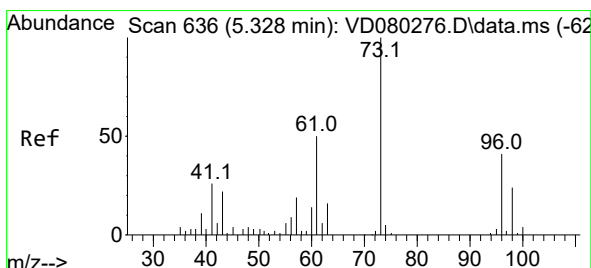
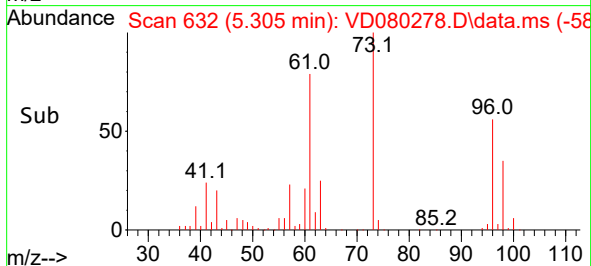
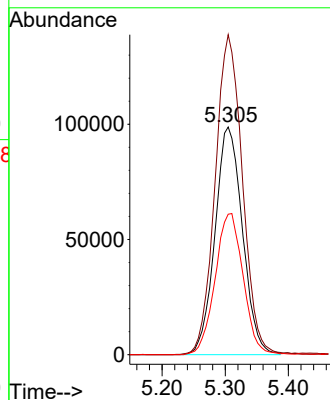
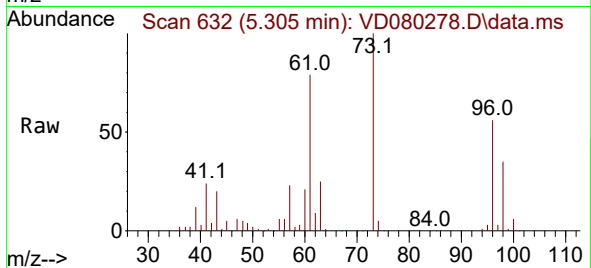
Tgt Ion: 96 Resp: 298926

Ion Ratio Lower Upper

96 100

61 140.5 92.4 171.6

98 61.7 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 108.67 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.012 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

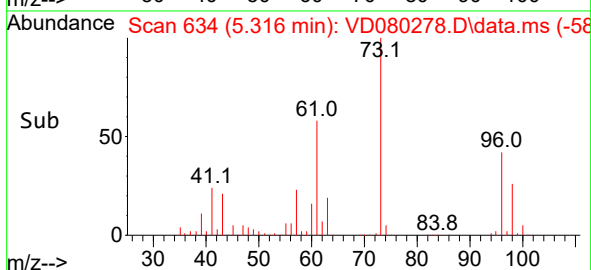
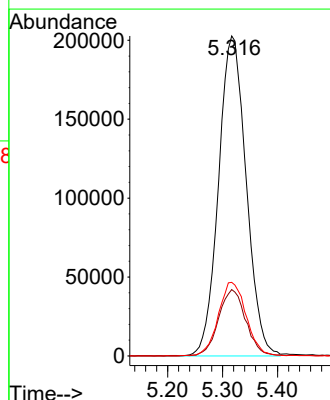
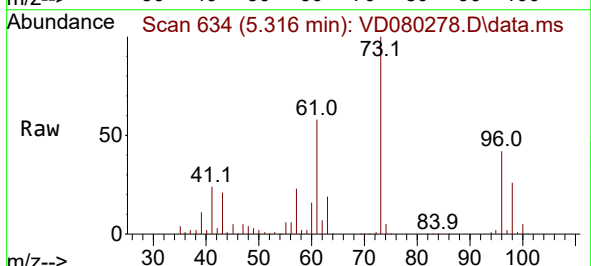
Tgt Ion: 73 Resp: 708517

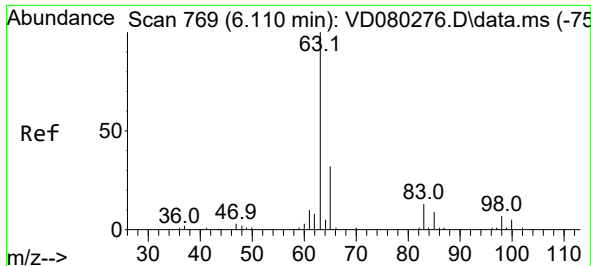
Ion Ratio Lower Upper

73 100

43 20.4 17.2 25.8

57 23.2 18.8 28.2





#19

1,1-Dichloroethane

Concen: 82.87 ug/L

RT: 6.105 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD100874

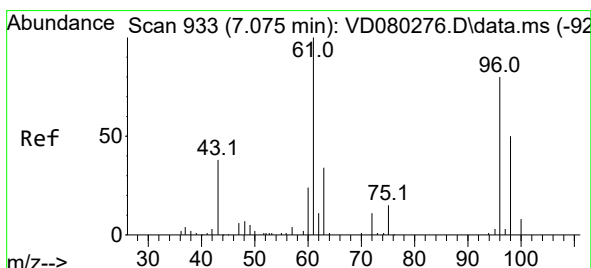
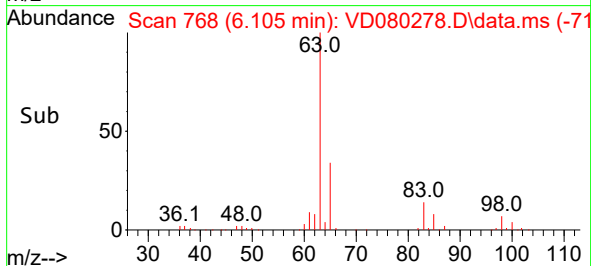
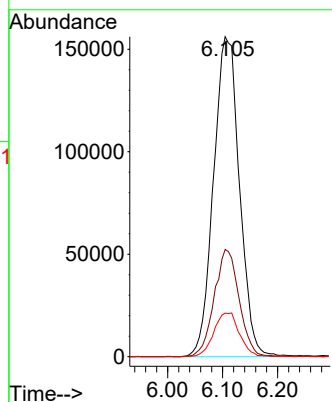
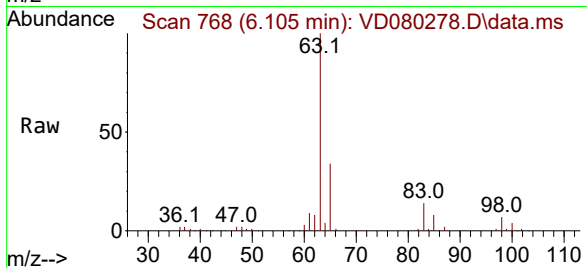
Tgt Ion: 63 Resp: 510786

Ion Ratio Lower Upper

63 100

65 33.5 22.4 41.6

83 13.6 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 89.99 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

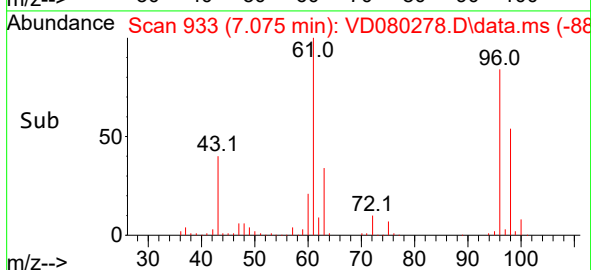
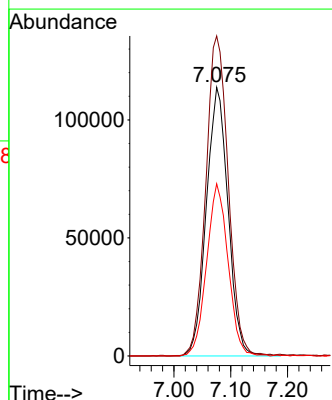
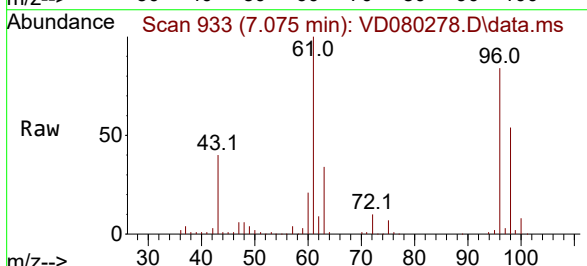
Tgt Ion: 96 Resp: 301207

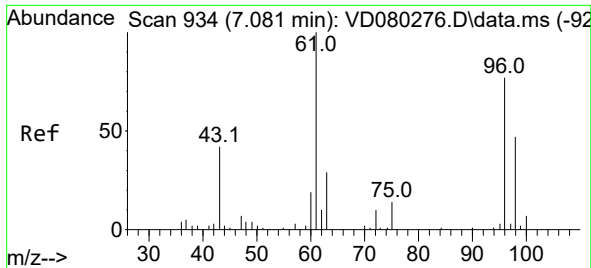
Ion Ratio Lower Upper

96 100

61 119.1 87.8 163.0

98 64.1 43.7 81.1

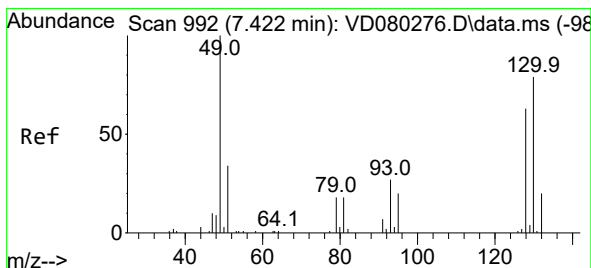
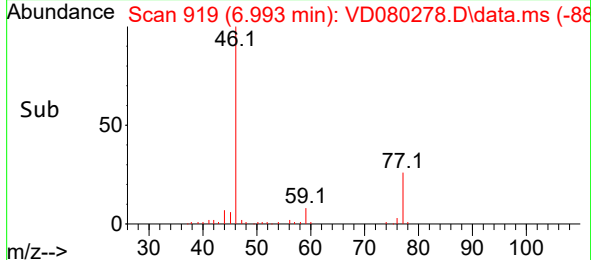
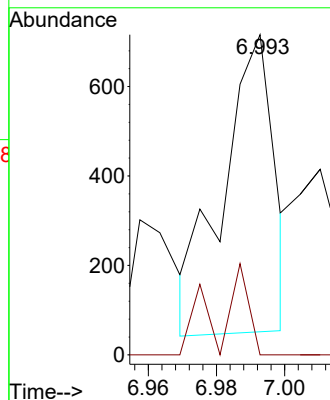
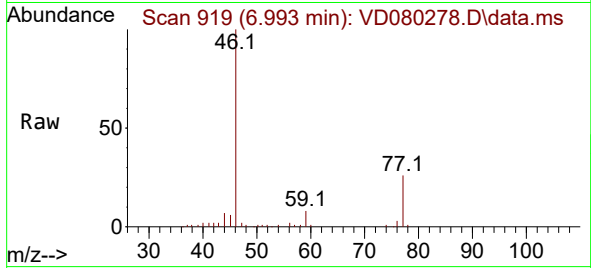




#22
2-Butanone
Concen: 0.74 ug/L
RT: 6.993 min Scan# 919
Delta R.T. -0.088 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

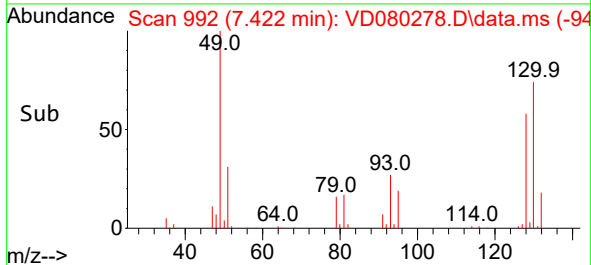
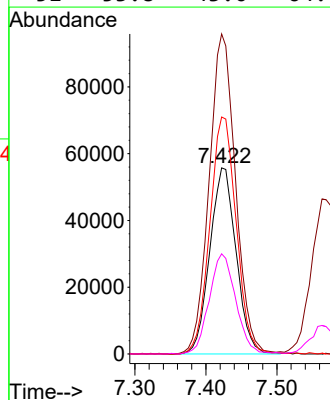
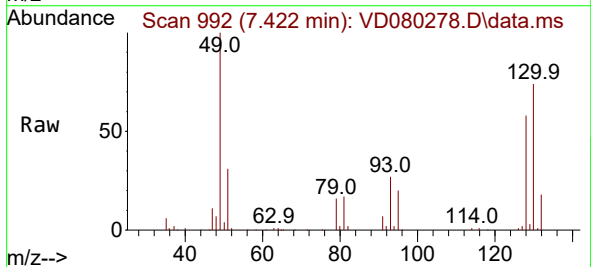
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

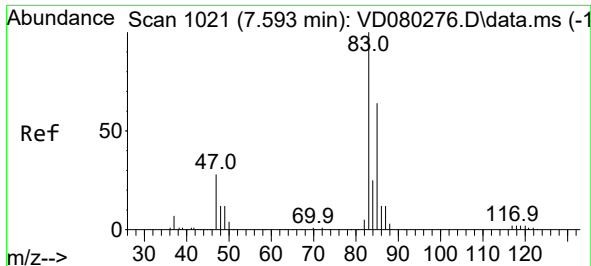
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
72 10.3 5.9 17.8



#23
Bromochloromethane
Concen: 89.67 ug/L
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion: 128 Resp: 143372
Ion Ratio Lower Upper
128 100
49 172.0 112.6 209.0
130 127.4 89.7 166.5
51 53.8 43.0 64.6

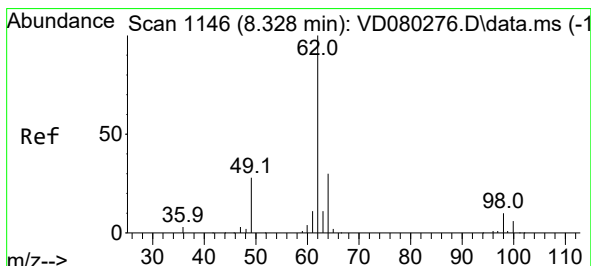
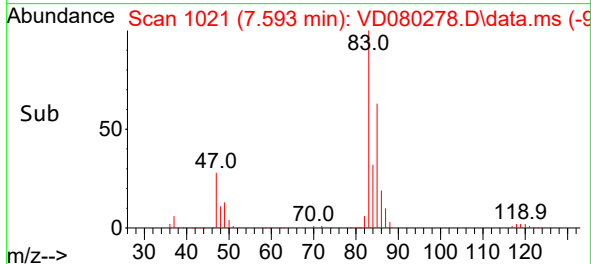
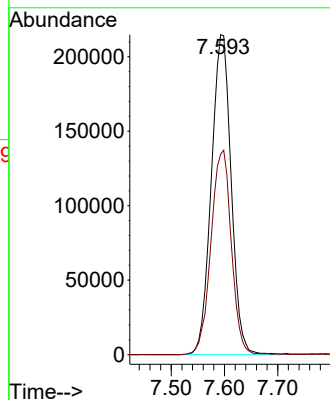
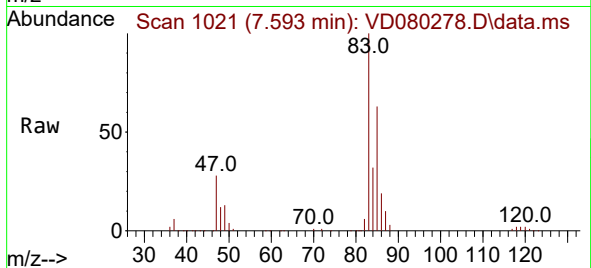




#25
Chloroform
Concen: 85.04 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

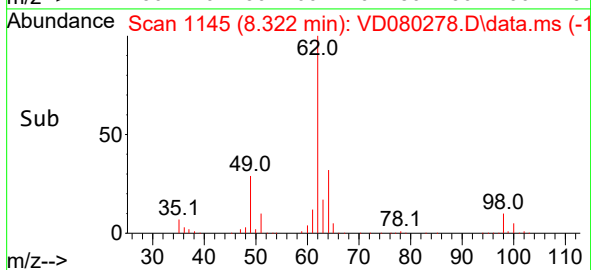
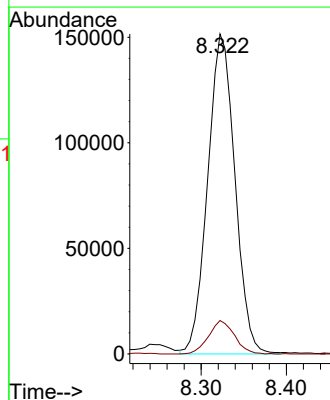
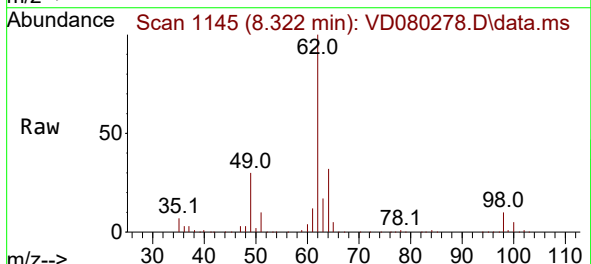
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

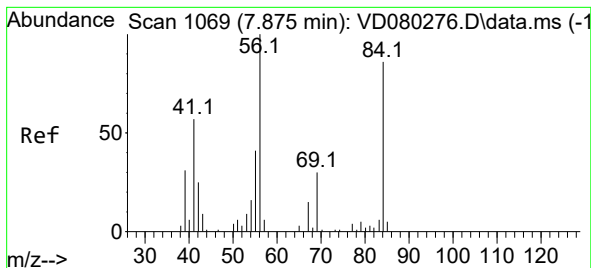
Tgt Ion: 83 Resp: 555005
Ion Ratio Lower Upper
83 100
85 62.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 82.59 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion: 62 Resp: 336559
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.2





#29

Cyclohexane

Concen: 100.89 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD100874

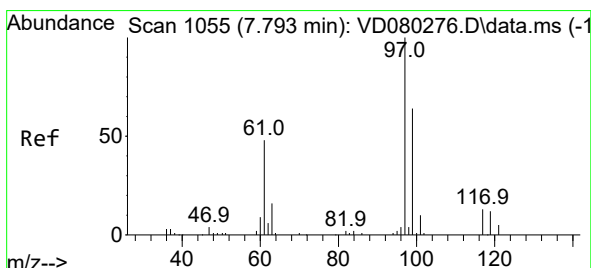
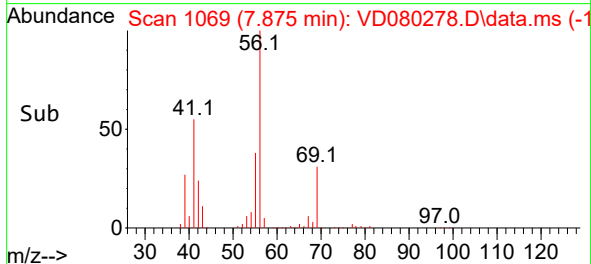
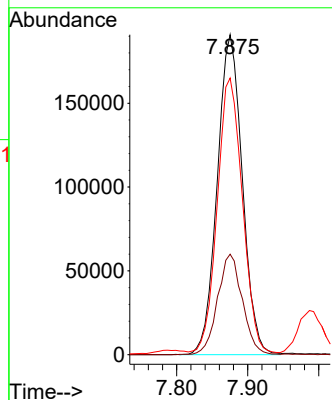
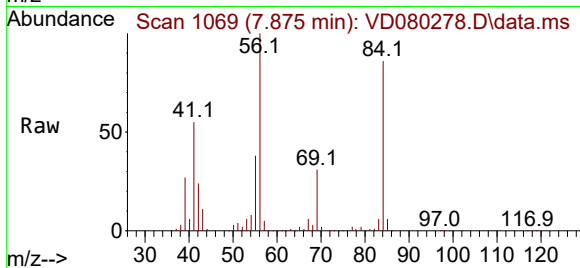
Tgt Ion: 56 Resp: 467547

Ion Ratio Lower Upper

56 100

69 30.9 24.6 37.0

84 87.2 71.4 107.2



#30

1,1,1-Trichloroethane

Concen: 84.97 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

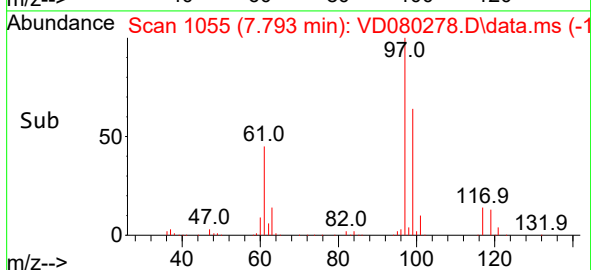
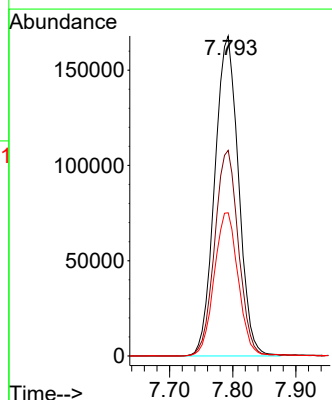
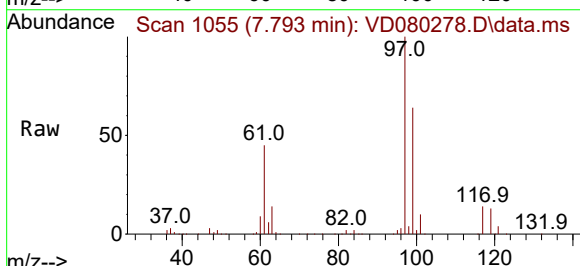
Tgt Ion: 97 Resp: 439516

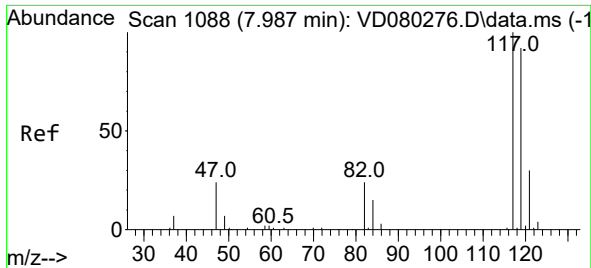
Ion Ratio Lower Upper

97 100

99 64.2 51.9 77.9

61 45.1 36.7 55.1

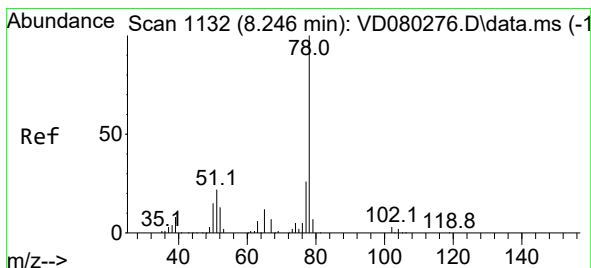
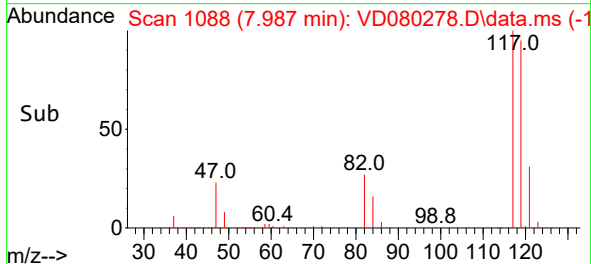
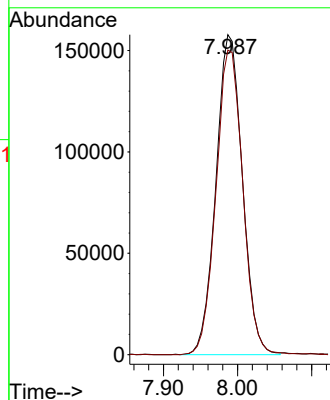
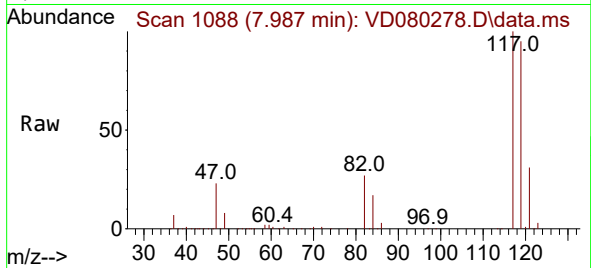




#31
Carbon tetrachloride
Concen: 86.16 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

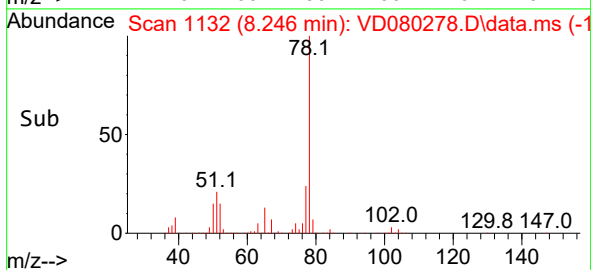
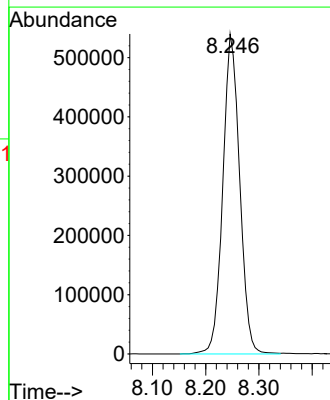
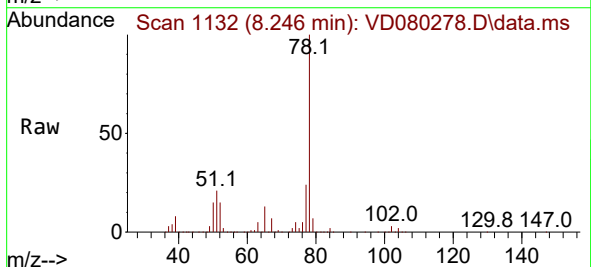
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

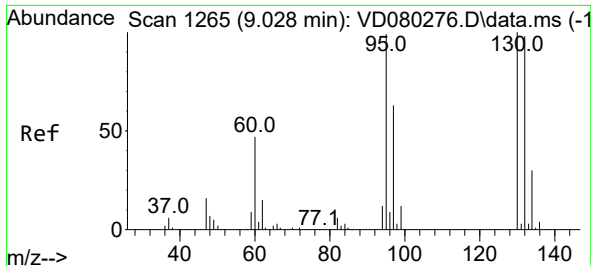
Tgt Ion:117 Resp: 391186
Ion Ratio Lower Upper
117 100
119 96.3 76.0 114.0



#33
Benzene
Concen: 92.95 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion: 78 Resp: 1188802

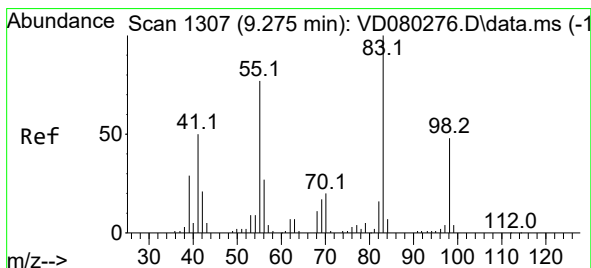
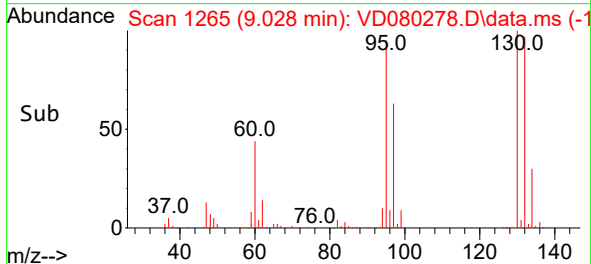
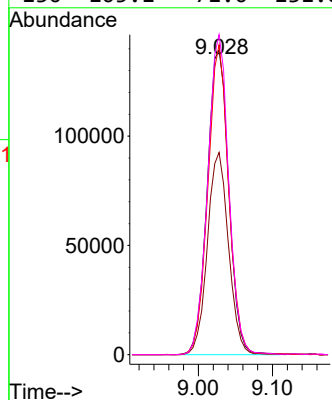
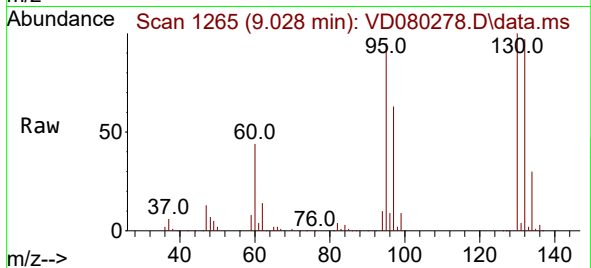




#34
Trichloroethene
Concen: 82.54 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

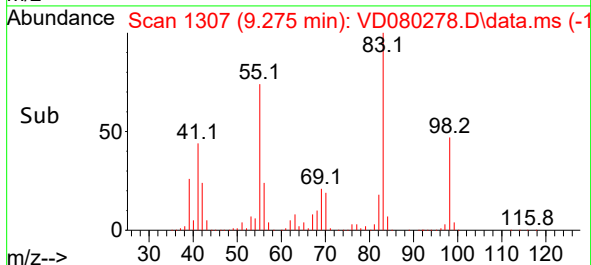
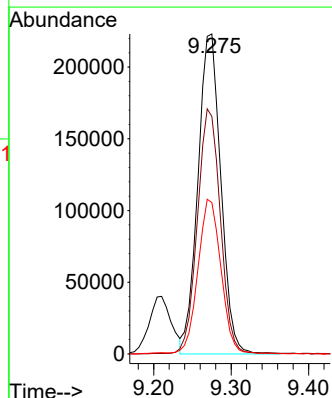
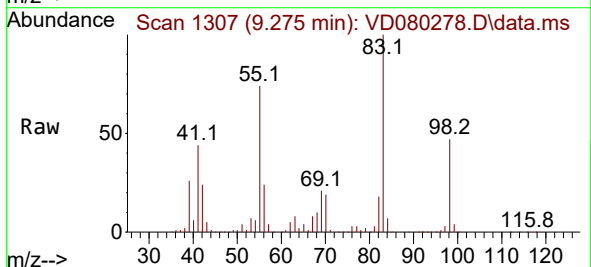
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

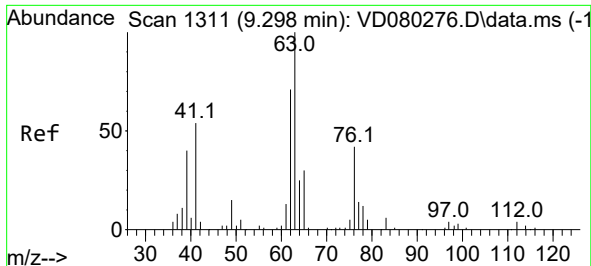
Tgt Ion: 95 Resp: 281819
Ion Ratio Lower Upper
95 100
97 66.4 45.1 83.7
132 101.7 69.5 129.1
130 105.1 71.0 131.8



#35
Methylcyclohexane
Concen: 94.97 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion: 83 Resp: 459435
Ion Ratio Lower Upper
83 100
55 76.6 65.0 97.6
98 48.5 39.0 58.6





#37

1,2-Dichloropropane

Concen: 81.20 ug/L

RT: 9.304 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

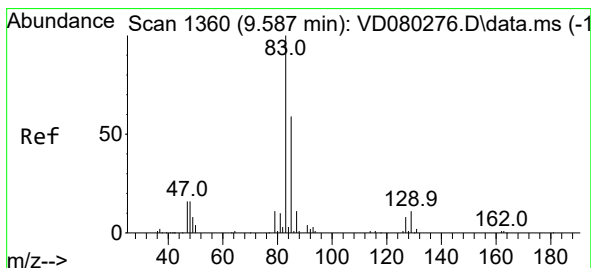
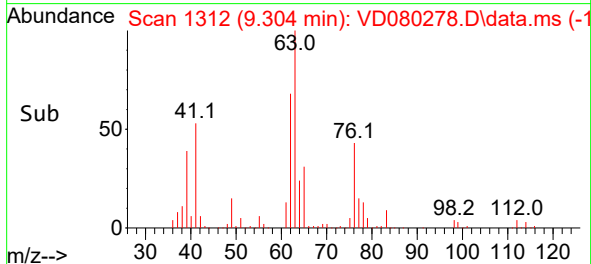
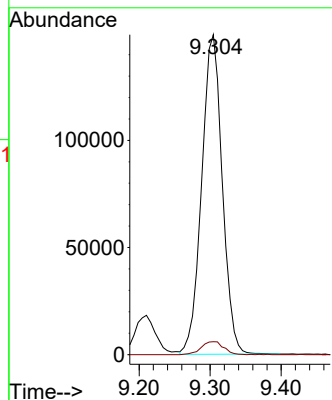
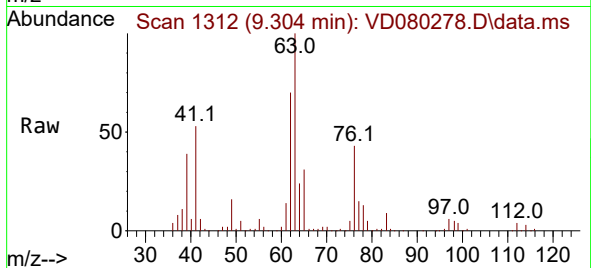
VSTD100874

Tgt Ion: 63 Resp: 301287

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



#38

Bromodichloromethane

Concen: 90.15 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

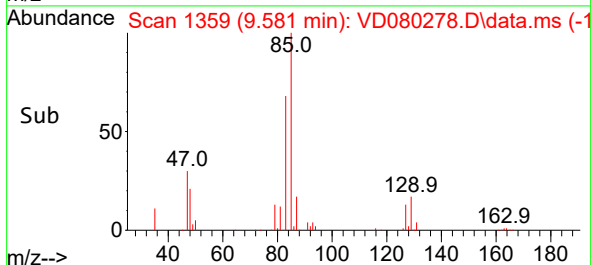
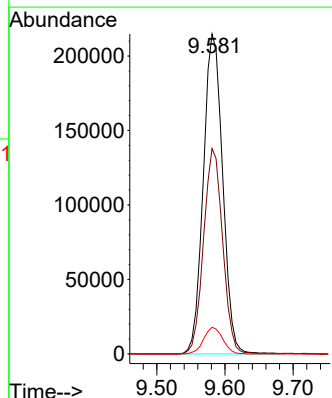
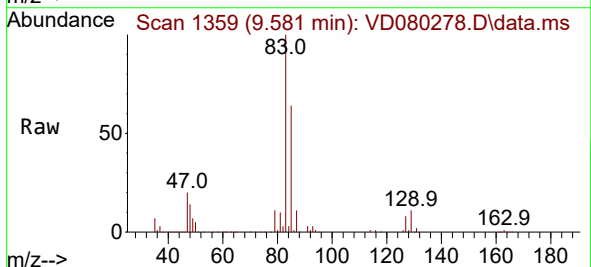
Tgt Ion: 83 Resp: 424598

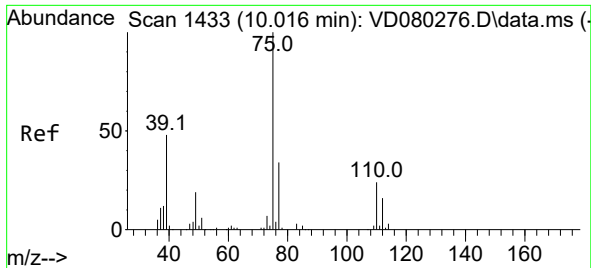
Ion Ratio Lower Upper

83 100

85 64.2 41.4 77.0

127 8.3 6.6 10.0

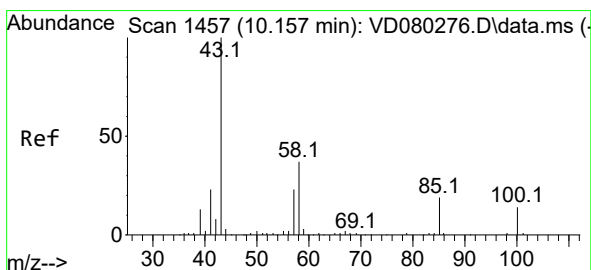
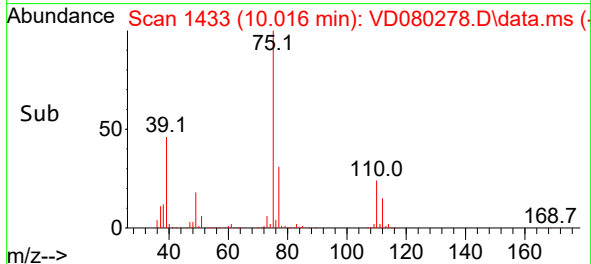
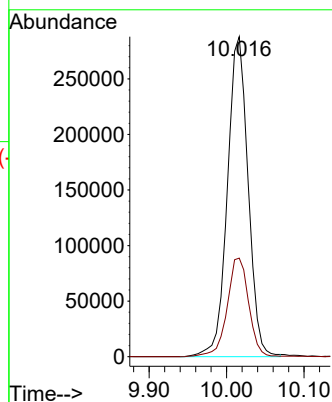
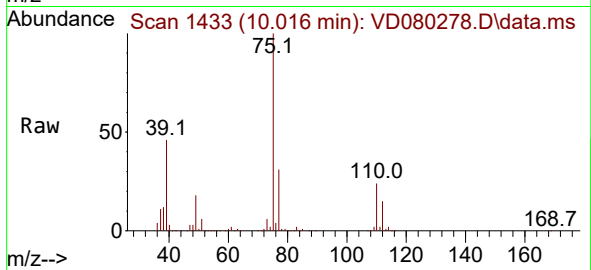




#39
 cis-1,3-Dichloropropene
 Concen: 99.58 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD080278.D
 Acq: 18 Mar 2025 12:28

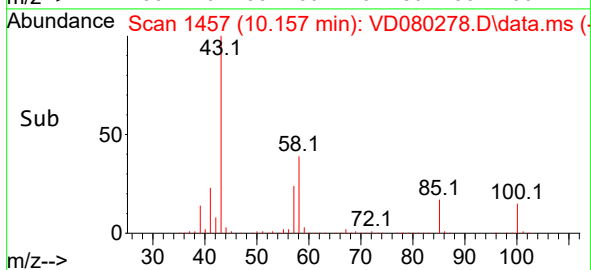
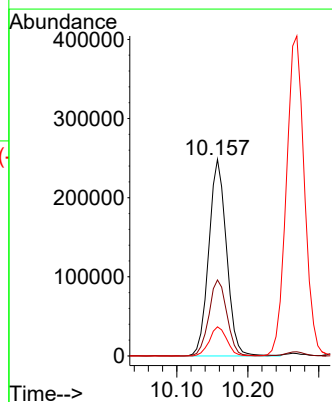
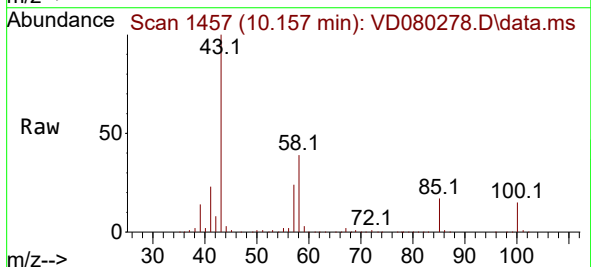
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD100874

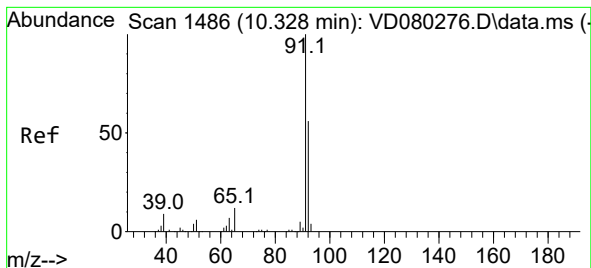
Tgt Ion: 75 Resp: 535500
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.7 43.9



#40
 4-Methyl-2-pentanone
 Concen: 219.39 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD080278.D
 Acq: 18 Mar 2025 12:28

Tgt Ion: 43 Resp: 430749
 Ion Ratio Lower Upper
 43 100
 58 39.3 29.9 44.9
 100 14.6 11.3 16.9





#42

Toluene

Concen: 101.67 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.006 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

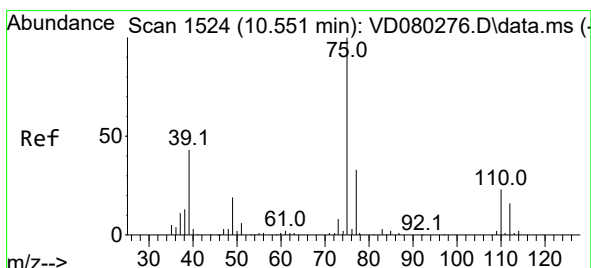
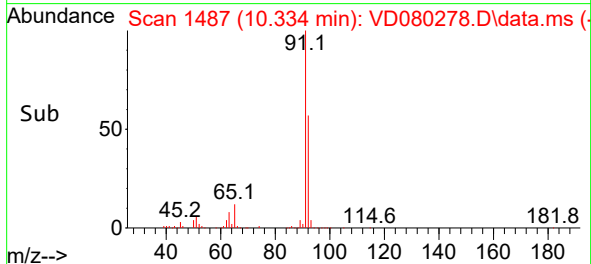
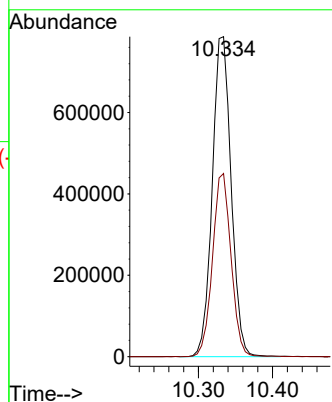
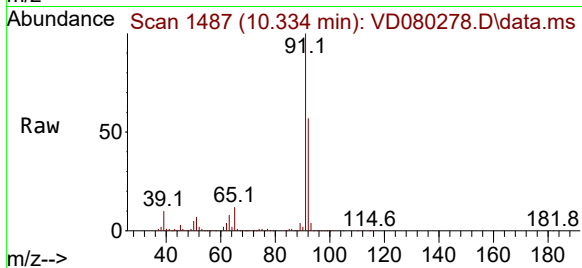
VSTD100874

Tgt Ion: 91 Resp: 1388660

Ion Ratio Lower Upper

91 100

92 57.2 38.9 72.3



#44

trans-1,3-Dichloropropene

Concen: 98.88 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080278.D

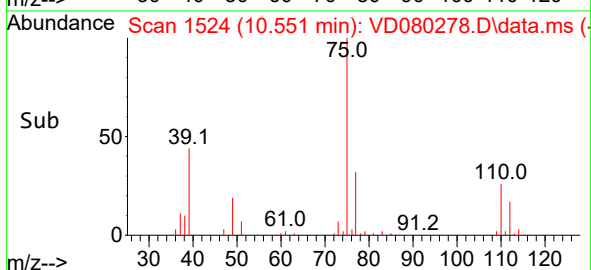
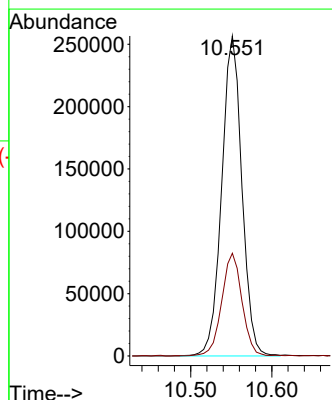
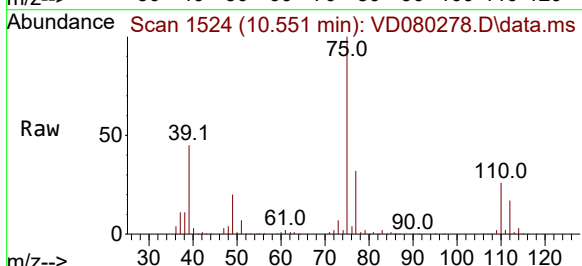
Acq: 18 Mar 2025 12:28

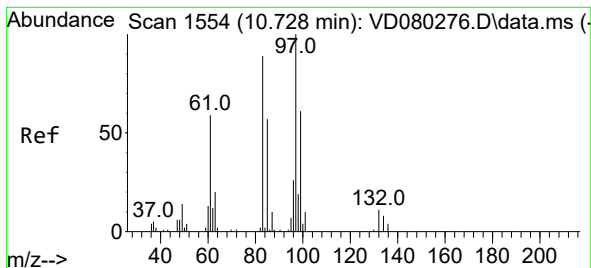
Tgt Ion: 75 Resp: 444032

Ion Ratio Lower Upper

75 100

77 32.1 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 85.52 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD100874

Tgt Ion: 97 Resp: 237606

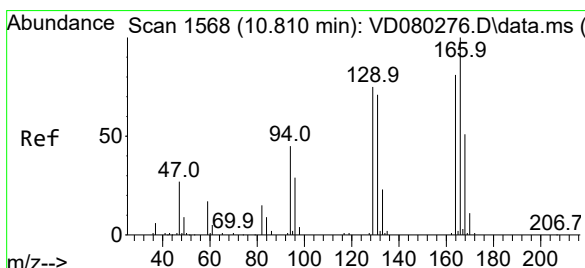
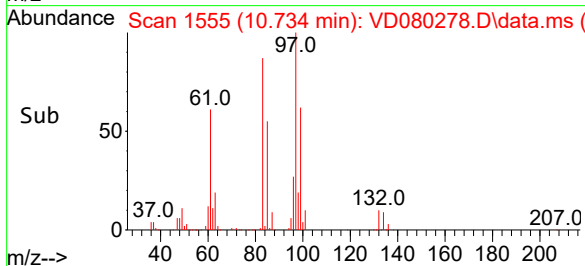
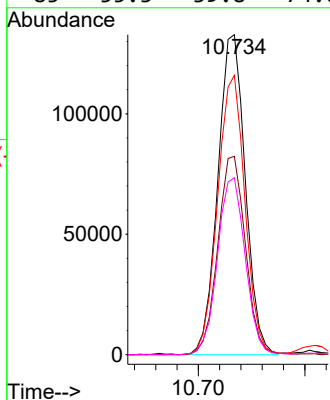
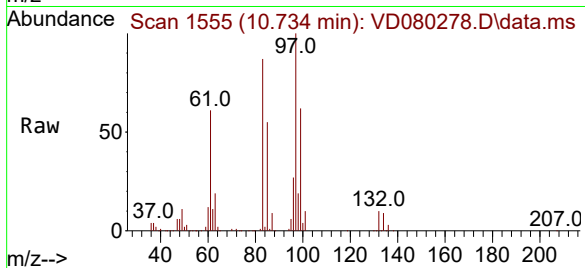
Ion Ratio Lower Upper

97 100

99 62.0 43.0 79.8

83 87.3 62.2 115.4

85 55.3 39.8 74.0



#46

Tetrachloroethene

Concen: 88.35 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Tgt Ion:164 Resp: 234439

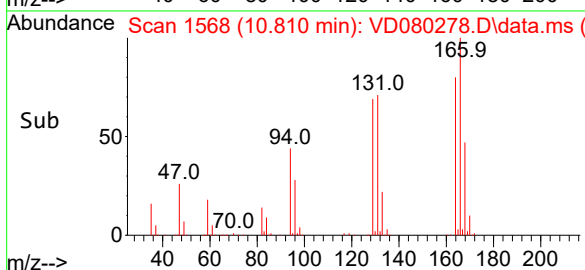
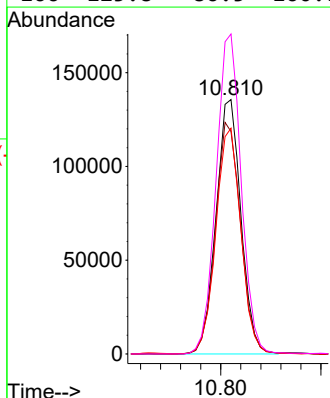
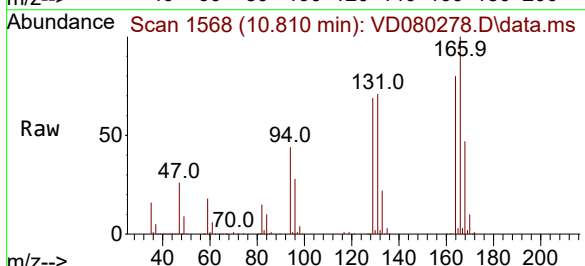
Ion Ratio Lower Upper

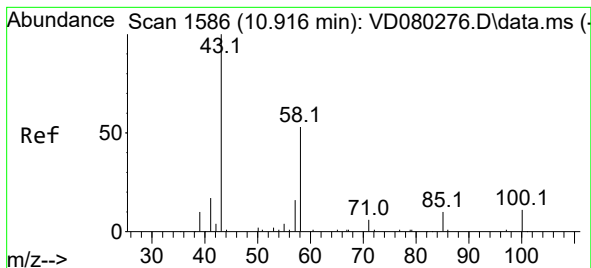
164 100

129 87.4 64.9 120.5

131 88.7 61.5 114.3

166 125.8 86.5 160.7





#48

2-Hexanone

Concen: 184.68 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.006 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD100874

Tgt Ion: 43 Resp: 257567

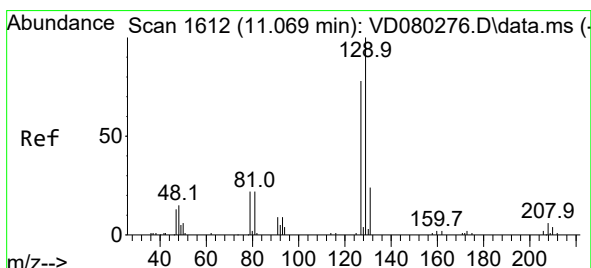
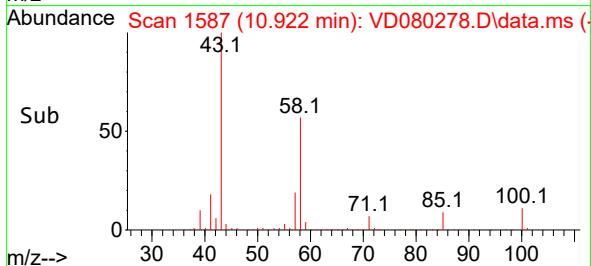
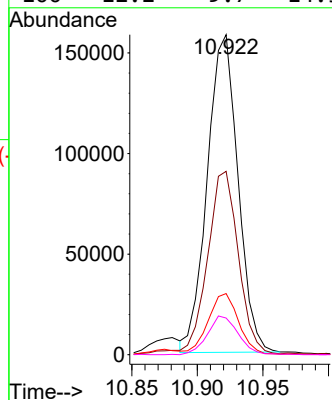
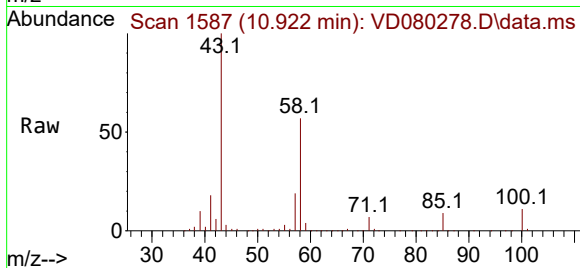
Ion Ratio Lower Upper

43 100

58 57.6 42.8 64.2

57 19.0 15.0 22.4

100 12.2 9.7 14.5



#49

Dibromochloromethane

Concen: 86.07 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VD080278.D

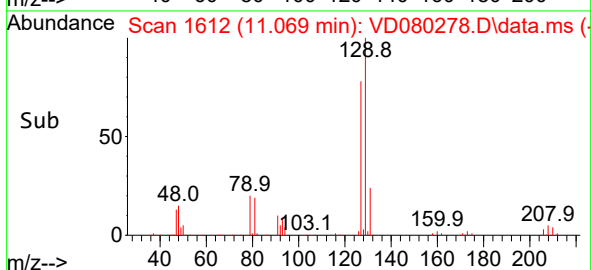
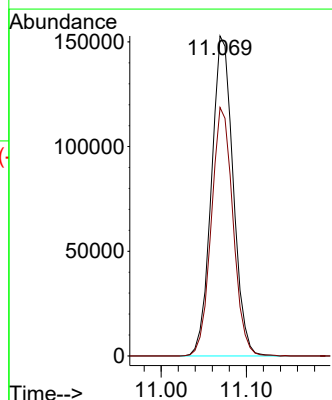
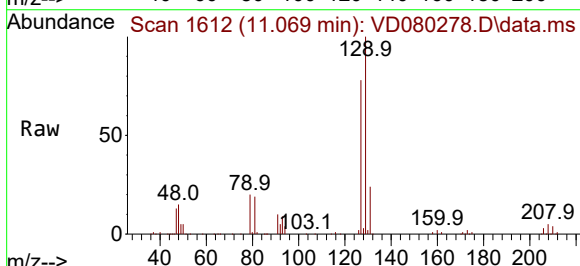
Acq: 18 Mar 2025 12:28

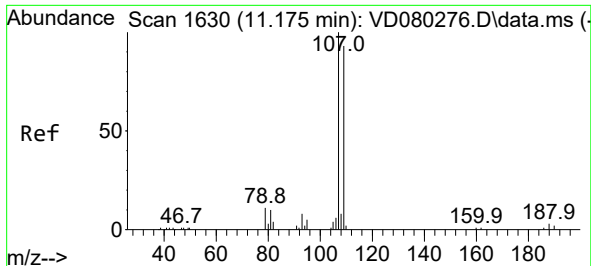
Tgt Ion:129 Resp: 270327

Ion Ratio Lower Upper

129 100

127 77.7 54.9 101.9

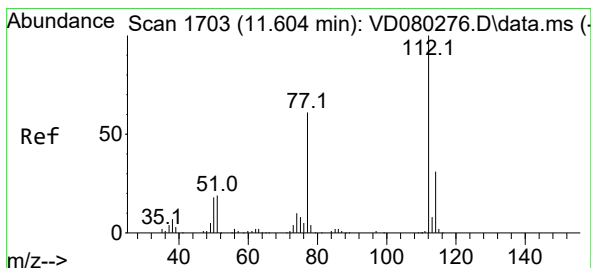
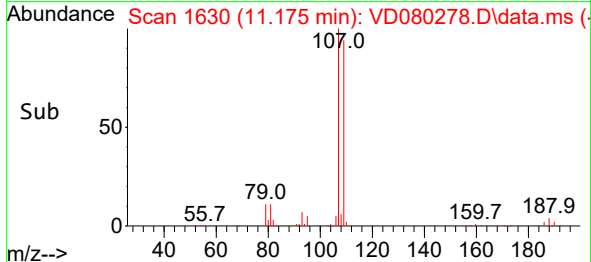
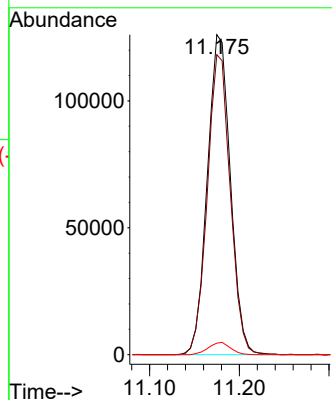
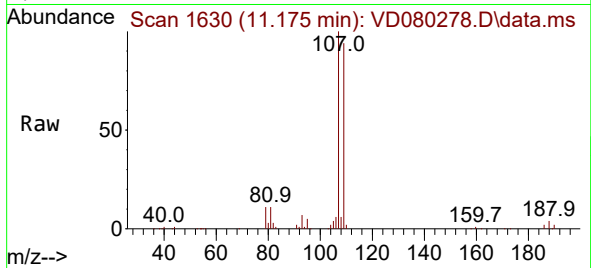




#50
1,2-Dibromoethane
Concen: 91.39 ug/L
RT: 11.175 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

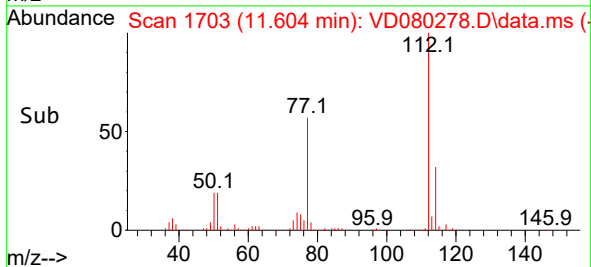
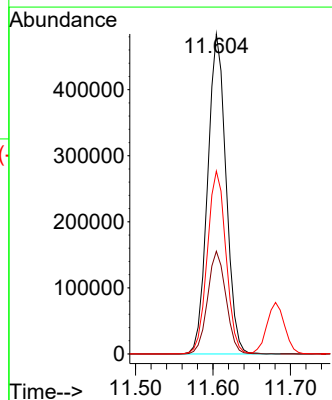
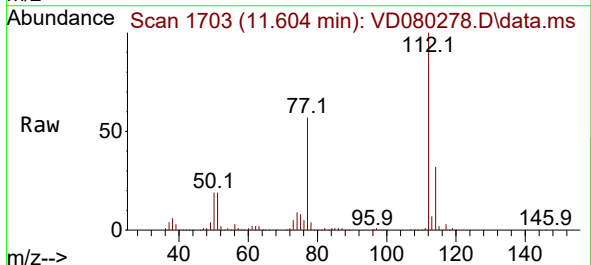
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

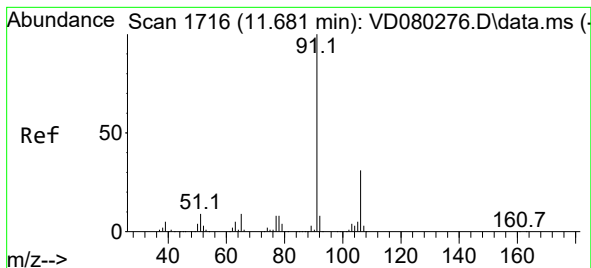
Tgt Ion:107 Resp: 224980
Ion Ratio Lower Upper
107 100
109 93.8 65.5 121.6
188 3.6 2.2 3.2#



#51
Chlorobenzene
Concen: 87.97 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion:112 Resp: 796124
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.6
77 57.2 48.8 73.2





#52

Ethylbenzene

Concen: 94.85 ug/L

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

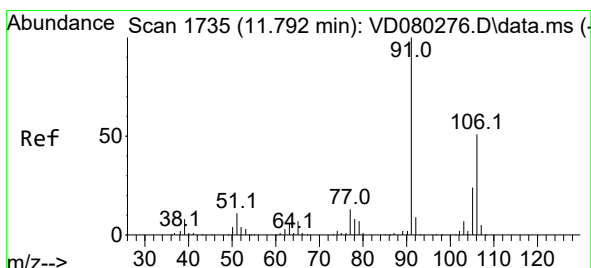
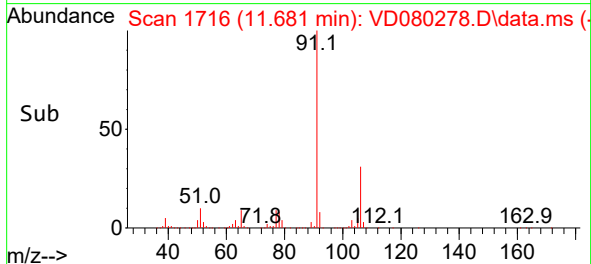
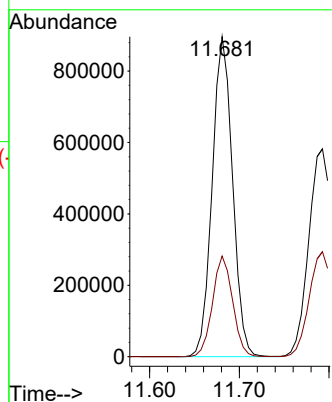
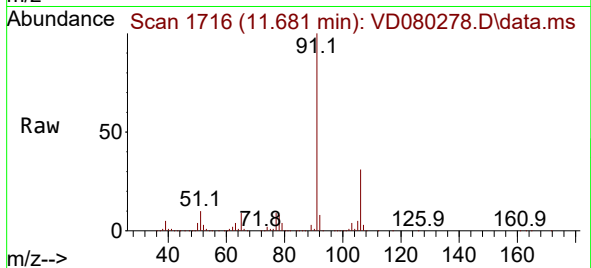
VSTD100874

Tgt Ion: 91 Resp: 1411300

Ion Ratio Lower Upper

91 100

106 31.5 21.4 39.8



#53

m,p-Xylene

Concen: 97.68 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD080278.D

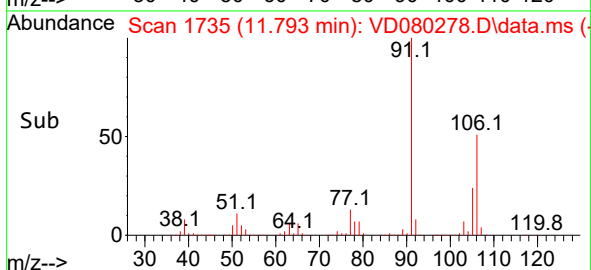
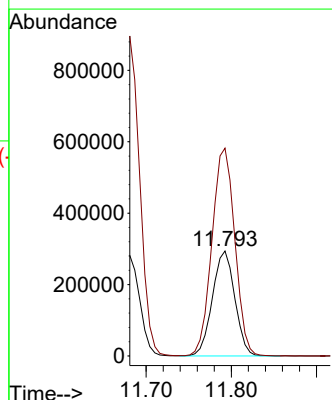
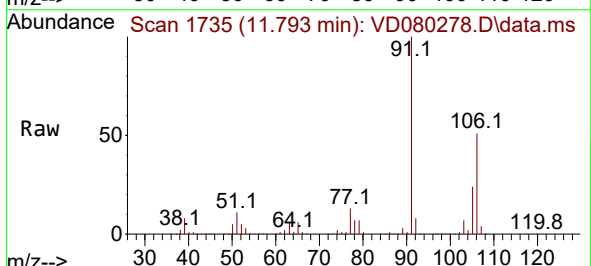
Acq: 18 Mar 2025 12:28

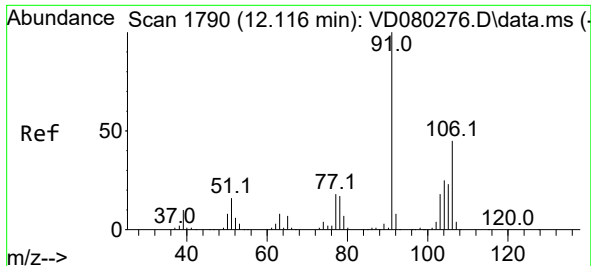
Tgt Ion: 106 Resp: 537731

Ion Ratio Lower Upper

106 100

91 198.0 138.0 256.2

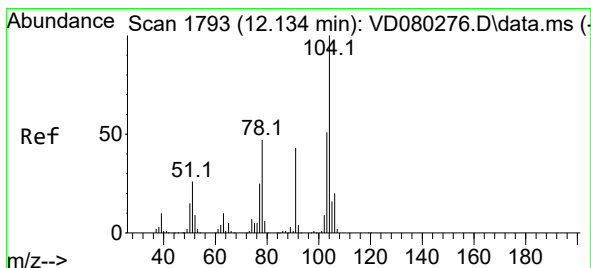
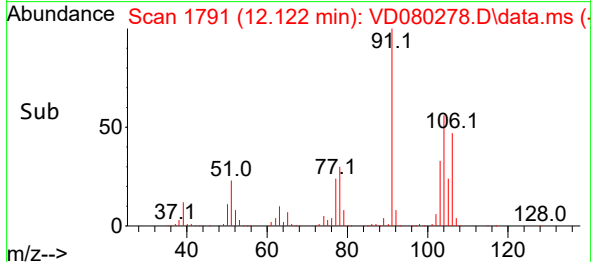
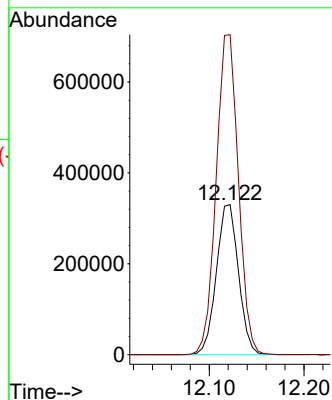
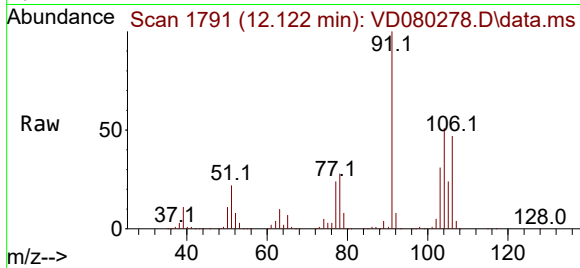




#54
o-Xylene
Concen: 102.70 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

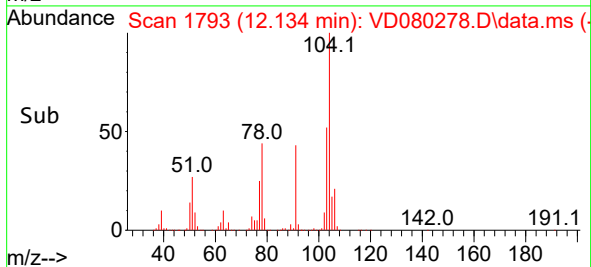
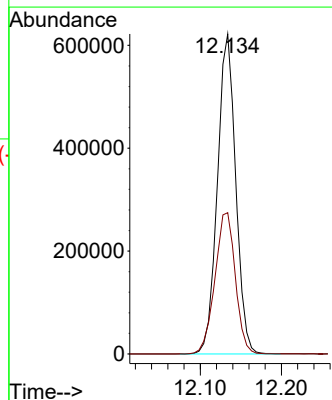
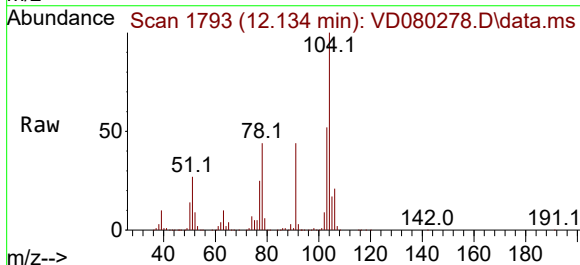
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

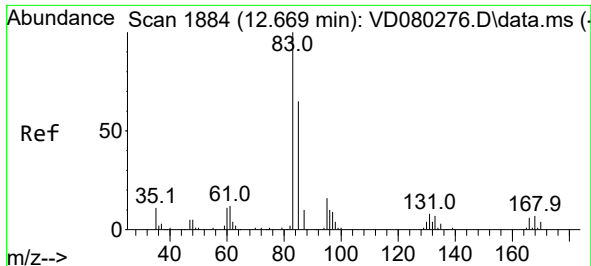
Tgt Ion:106 Resp: 536701
Ion Ratio Lower Upper
106 100
91 213.1 156.5 290.7



#55
Styrene
Concen: 103.01 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion:104 Resp: 975781
Ion Ratio Lower Upper
104 100
78 44.1 32.7 60.7

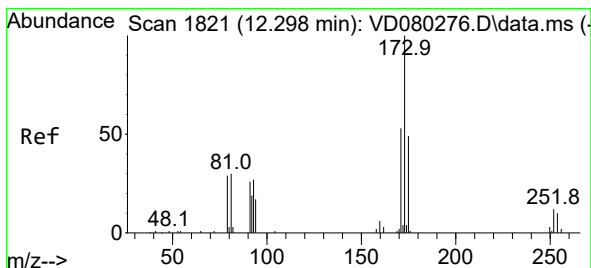
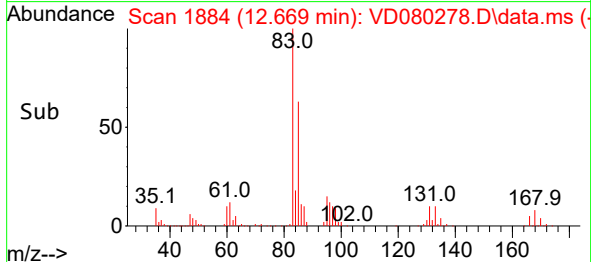
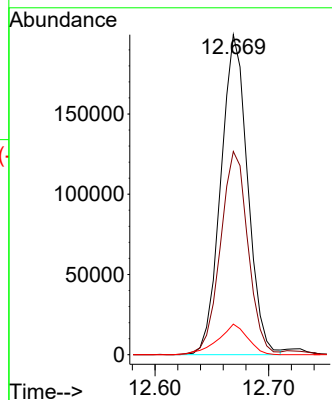
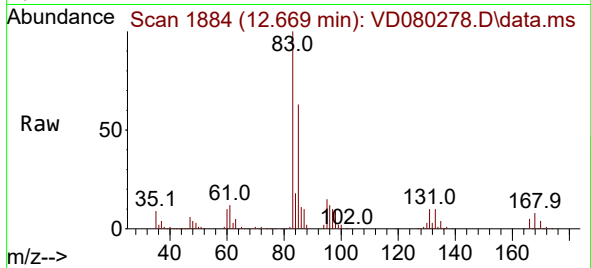




#57
1,1,2,2-Tetrachloroethane
Concen: 97.26 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

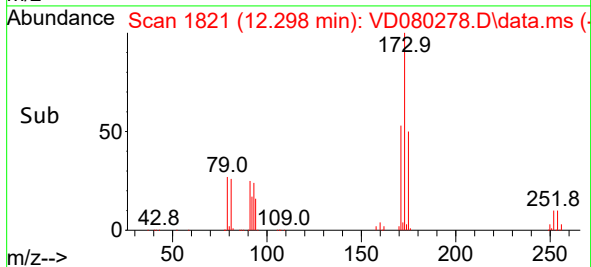
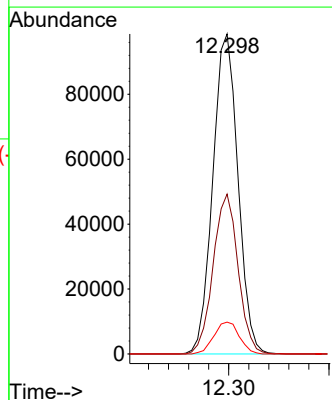
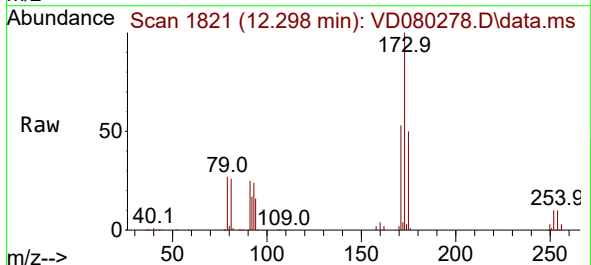
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

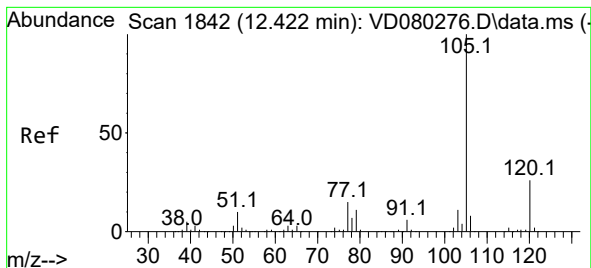
Tgt Ion: 83 Resp: 327220
Ion Ratio Lower Upper
83 100
85 63.5 46.1 85.7
131 9.5 6.9 10.3



#59
Bromoform
Concen: 80.63 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion: 173 Resp: 171420
Ion Ratio Lower Upper
173 100
175 49.5 38.8 58.2
254 10.1 7.8 11.6





#60

Isopropylbenzene

Concen: 97.61 ug/L

RT: 12.416 min Scan# 1841

Delta R.T. -0.006 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD100874

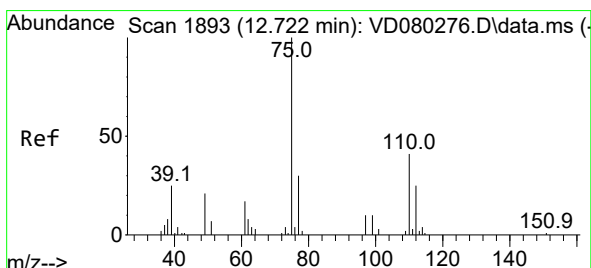
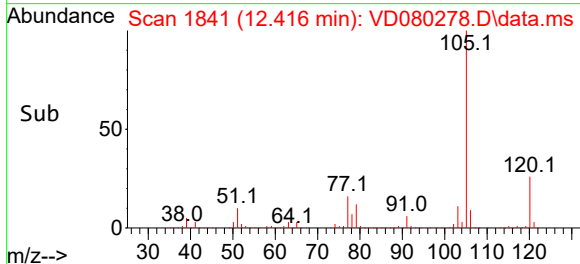
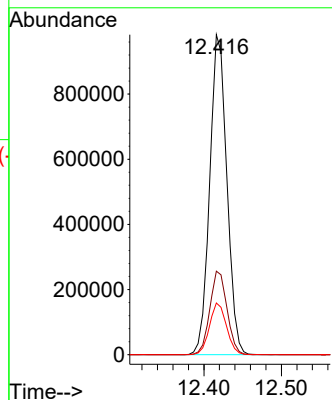
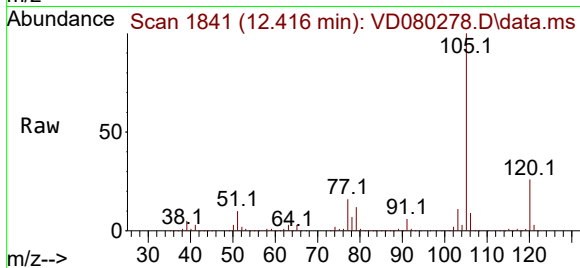
Tgt Ion:105 Resp: 1508236

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

77 16.0 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 84.36 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

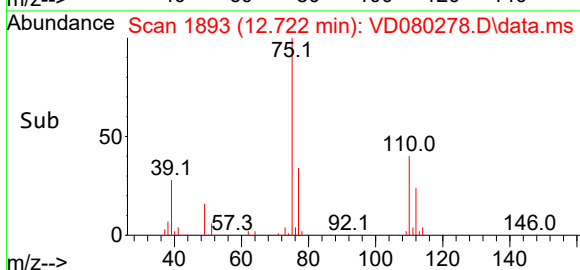
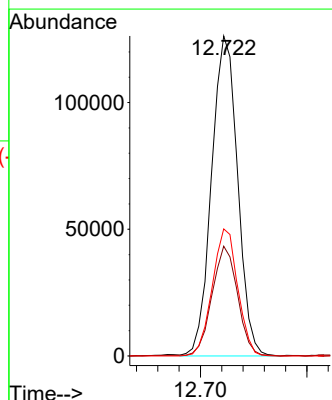
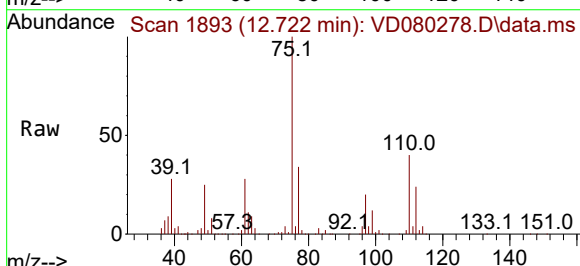
Tgt Ion: 75 Resp: 214480

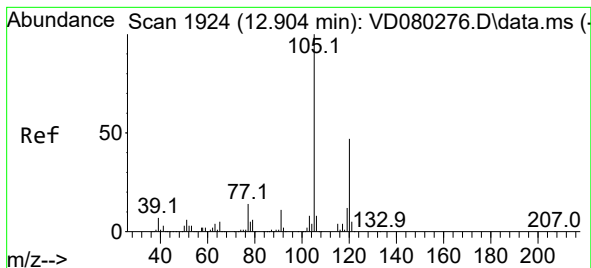
Ion Ratio Lower Upper

75 100

77 33.6 25.5 38.3

110 38.7 30.7 46.1

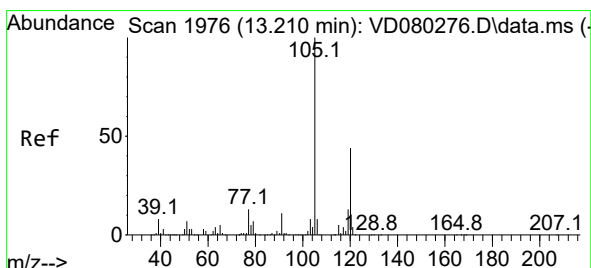
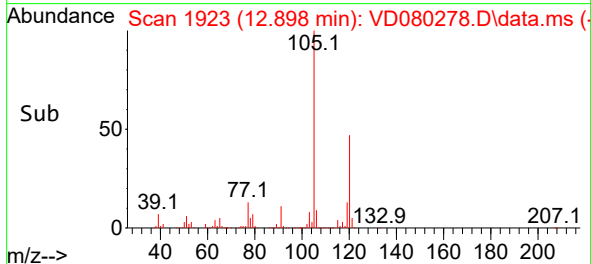
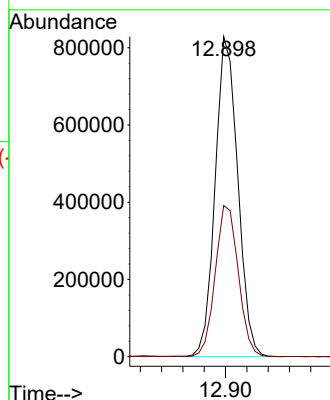
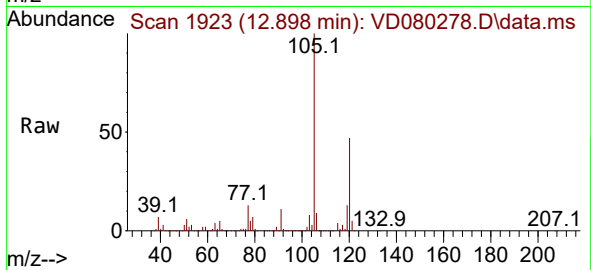




#62
1,3,5-Trimethylbenzene
Concen: 100.11 ug/L
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

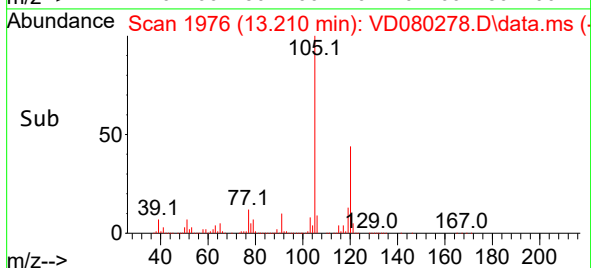
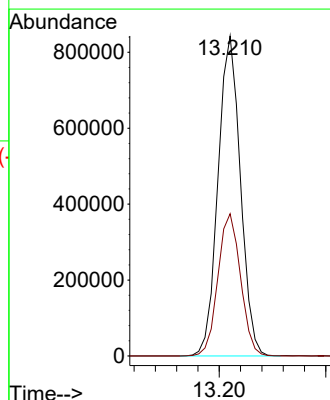
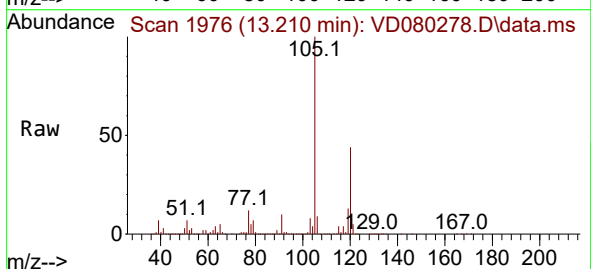
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

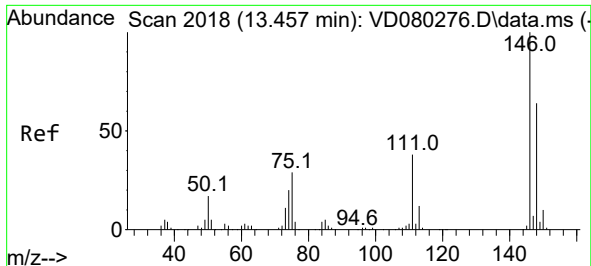
Tgt Ion:105 Resp: 1218720
Ion Ratio Lower Upper
105 100
120 48.3 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 99.46 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion:105 Resp: 1230398
Ion Ratio Lower Upper
105 100
120 44.8 36.2 54.4

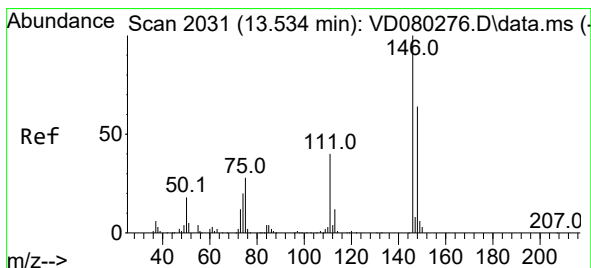
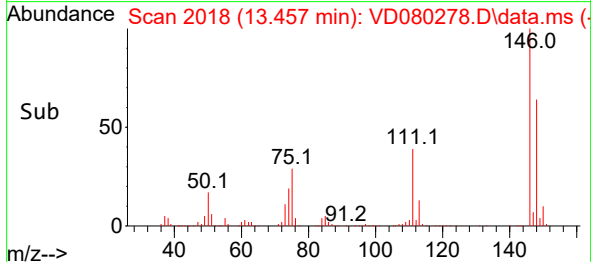
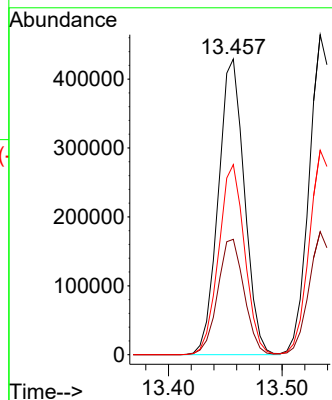
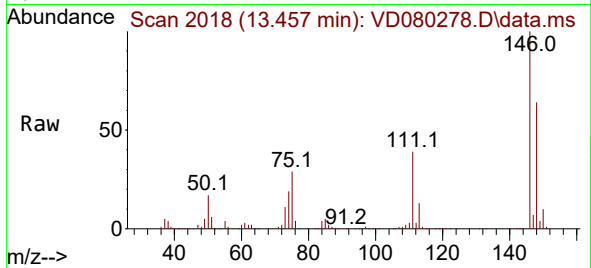




#64
1,3-Dichlorobenzene
Concen: 88.89 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

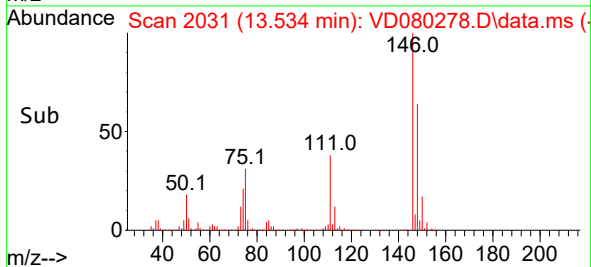
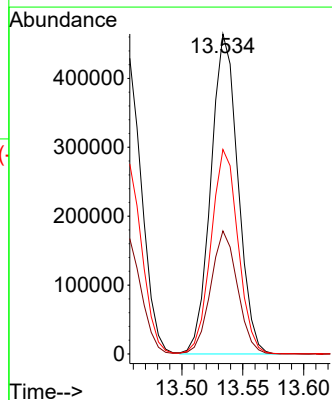
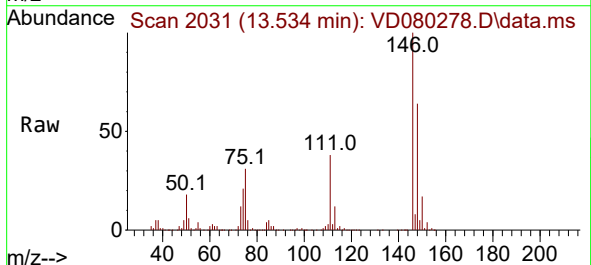
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

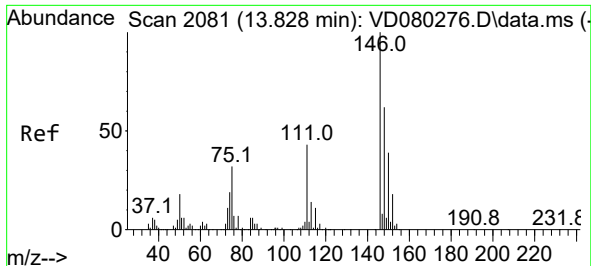
Tgt Ion:146 Resp: 686381
Ion Ratio Lower Upper
146 100
111 39.0 26.9 49.9
148 64.3 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 86.34 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion:146 Resp: 717800
Ion Ratio Lower Upper
146 100
111 38.5 27.9 51.7
148 63.9 45.1 83.9

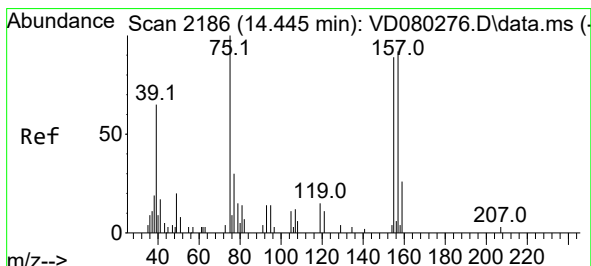
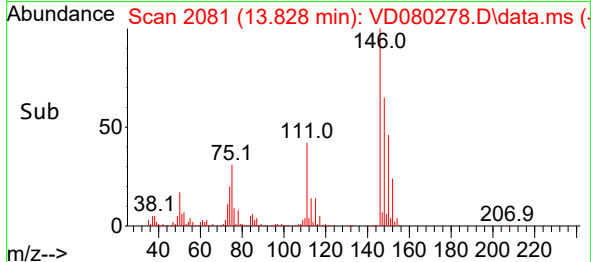
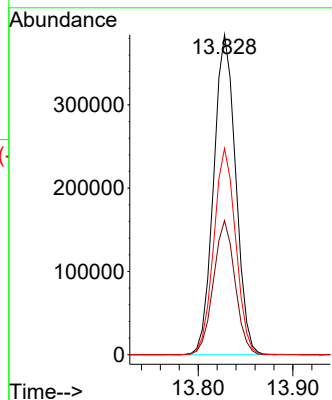
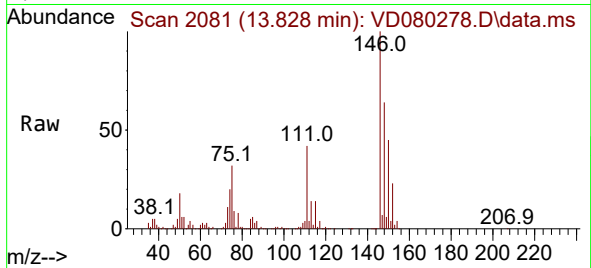




#67
1,2-Dichlorobenzene
Concen: 87.06 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

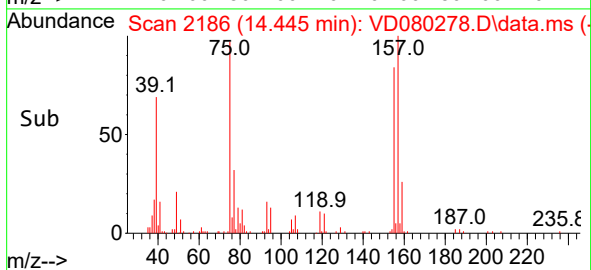
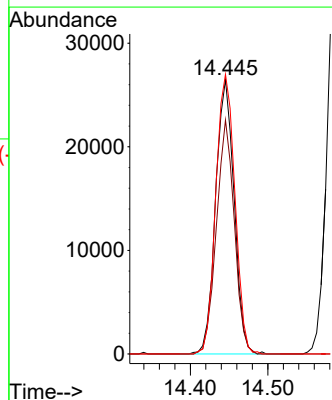
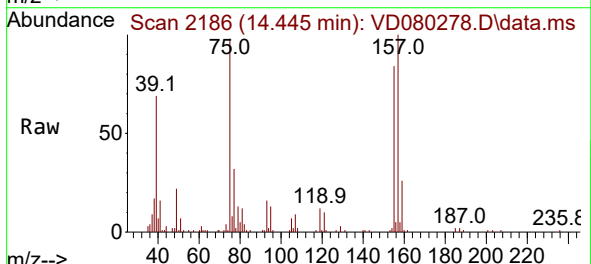
Instrument :
MSVOA_D
ClientSampleId :
VSTD100874

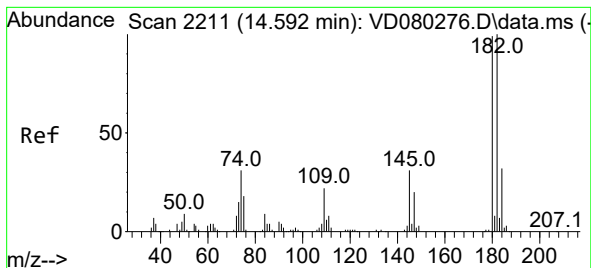
Tgt Ion:146 Resp: 621359
Ion Ratio Lower Upper
146 100
111 41.9 34.2 51.2
148 64.5 49.8 74.8



#68
1,2-Dibromo-3-chloropropane
Concen: 72.93 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD080278.D
Acq: 18 Mar 2025 12:28

Tgt Ion: 75 Resp: 43885
Ion Ratio Lower Upper
75 100
155 85.3 71.5 107.3
157 101.9 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 87.17 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

Lab File: VD080278.D

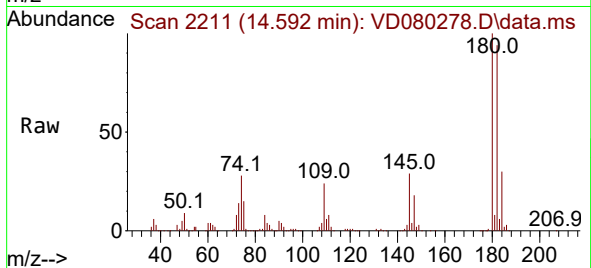
Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD100874



Tgt Ion:180 Resp: 442701

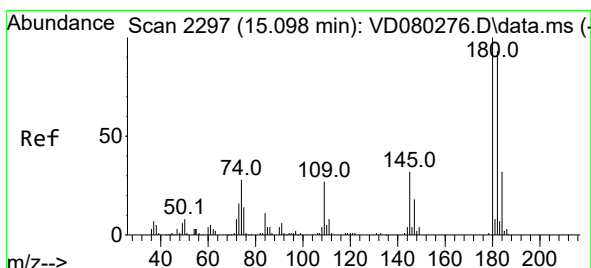
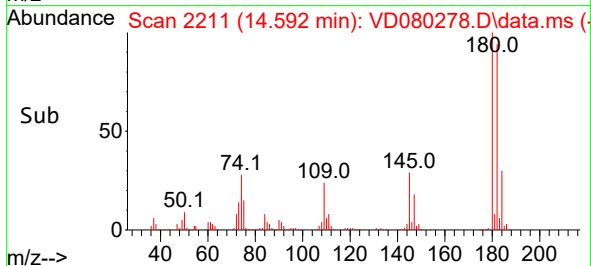
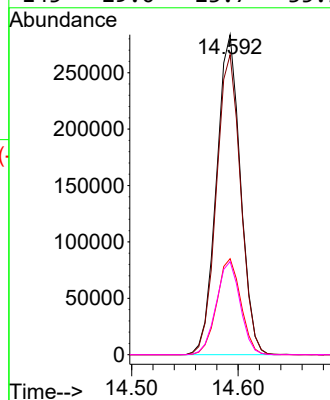
Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.4

184 30.1 24.0 36.0

145 29.0 23.7 35.5



#70

1,2,4-trichlorobenzene

Concen: 90.35 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

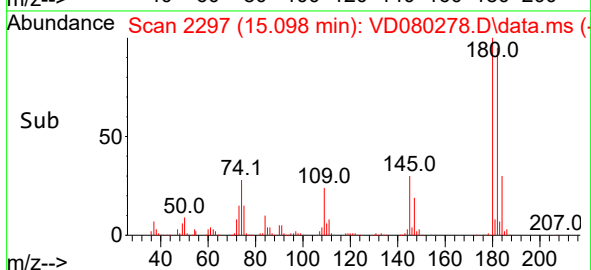
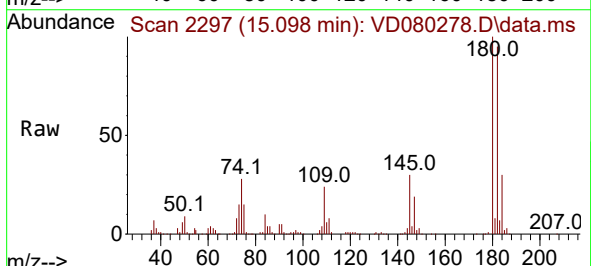
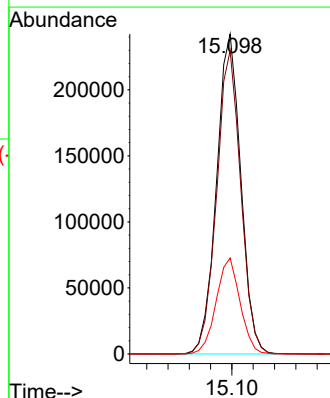
Tgt Ion:180 Resp: 382275

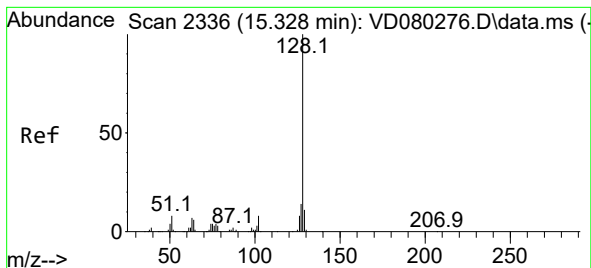
Ion Ratio Lower Upper

180 100

182 94.0 75.4 113.0

145 29.5 23.1 34.7





#71

Naphthalene

Concen: 96.60 ug/L

RT: 15.328 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Instrument :

MSVOA_D

ClientSampleId :

VSTD100874

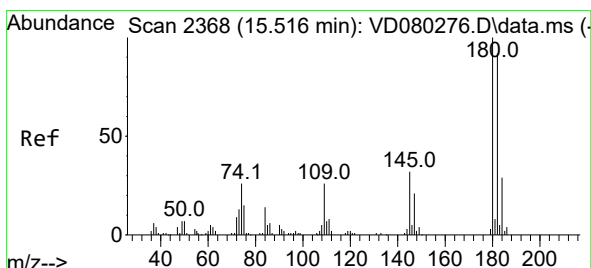
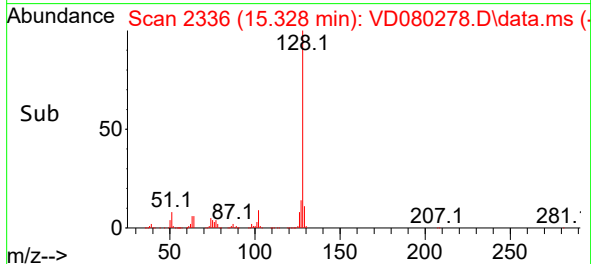
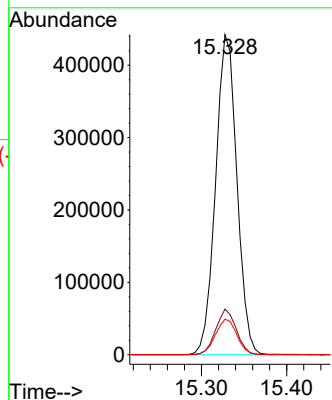
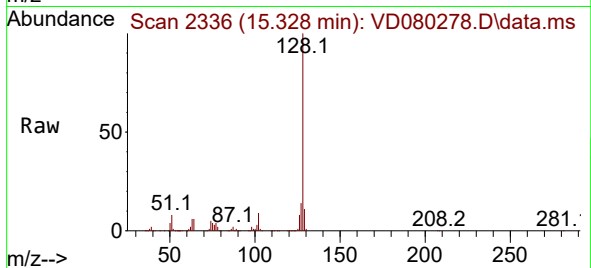
Tgt Ion:128 Resp: 767799

Ion Ratio Lower Upper

128 100

127 13.7 11.4 17.2

129 11.2 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 93.49 ug/L

RT: 15.516 min Scan# 2368

Delta R.T. 0.000 min

Lab File: VD080278.D

Acq: 18 Mar 2025 12:28

Tgt Ion:180 Resp: 357101

Ion Ratio Lower Upper

180 100

182 94.0 73.8 110.6

145 30.9 24.8 37.2

