

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061325\
 Data File : VD080434.D
 Acq On : 13 Jun 2025 12:33
 Operator : RP/MD
 Sample : VSTD005
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005877

Quant Time: Jun 16 09:48:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061325SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jun 16 09:46:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	217497	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.576	117	209532	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	109383	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	21385	5.73	ug/L	0.00
7) Chloroethane-d5	2.806	69	17823	5.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.923	65	7039	5.48	ug/L	0.00
21) 2-Butanone-d5	6.982	46	3269	5.01	ug/L	0.00
24) Chloroform-d	7.564	84	33950	5.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.235	65	16193	5.21	ug/L	0.00
32) Benzene-d6	8.200	84	60644	5.17	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.211	67	19839	5.28	ug/L	0.00
41) Toluene-d8	10.270	98	54202	4.92	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.523	79	7799	4.94	ug/L	0.00
47) 2-Hexanone-d5	10.870	63	5634	9.89	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.646	84	18420	5.54	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.811	152	21394	5.25	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	20311	5.79	ug/L	99
3) Chloromethane	2.153	50	20800	6.00	ug/L	98
5) Vinyl chloride	2.288	62	22354	5.44	ug/L	94
6) Bromomethane	2.694	94	10523	4.83	ug/L	92
8) Chloroethane	2.841	64	16856	6.10	ug/L	90
9) Trichlorofluoromethane	3.176	101	30114	5.53	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	18049	5.28	ug/L #	89
12) 1,1-Dichloroethene	3.941	96	15191	5.14	ug/L	86
13) Acetone	4.023	43	3589	6.08	ug/L	99
14) Carbon disulfide	4.270	76	53591	5.36	ug/L	97
15) Methyl Acetate	4.564	43	4597	3.28	ug/L #	87
16) Methylene chloride	4.806	84	29174	7.16	ug/L	92
17) trans-1,2-Dichloroethene	5.306	96	8673	2.62	ug/L	92
18) Methyl tert-butyl Ether	5.317	73	31398	4.85	ug/L #	89
19) 1,1-Dichloroethane	6.111	63	30075	5.22	ug/L	95
20) cis-1,2-Dichloroethene	7.082	96	17135	4.84	ug/L	97
22) 2-Butanone	7.088	43	7309	9.00	ug/L	78
23) Bromochloromethane	7.429	128	9239	5.11	ug/L	96
25) Chloroform	7.588	83	34296	5.36	ug/L	100
27) 1,2-Dichloroethane	8.323	62	19156	5.22	ug/L	98
29) Cyclohexane	7.870	56	10622	2.28	ug/L #	10
30) 1,1,1-Trichloroethane	7.800	97	27572	5.24	ug/L	98
31) Carbon tetrachloride	7.994	117	26108	5.32	ug/L	96
33) Benzene	8.247	78	63339	4.92	ug/L	100
34) Trichloroethene	9.029	95	18320	5.08	ug/L	95
35) Methylcyclohexane	9.276	83	25201	4.74	ug/L	98
37) 1,2-Dichloropropane	9.305	63	18314	5.19	ug/L #	91
38) Bromodichloromethane	9.582	83	24476	5.30	ug/L	99
39) cis-1,3-Dichloropropene	10.017	75	25347	4.82	ug/L	92
40) 4-Methyl-2-pentanone	10.158	43	16825	9.39	ug/L #	91
42) Toluene	10.335	91	69043	4.89	ug/L	98
44) trans-1,3-Dichloropropene	10.552	75	22784	5.02	ug/L	93

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 Data File : VD080434.D
 Acq On : 13 Jun 2025 12:33
 Operator : RP/MD
 Sample : VSTD005
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005877

Quant Time: Jun 16 09:48:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061325SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jun 16 09:46:58 2025
 Response via : Initial Calibration

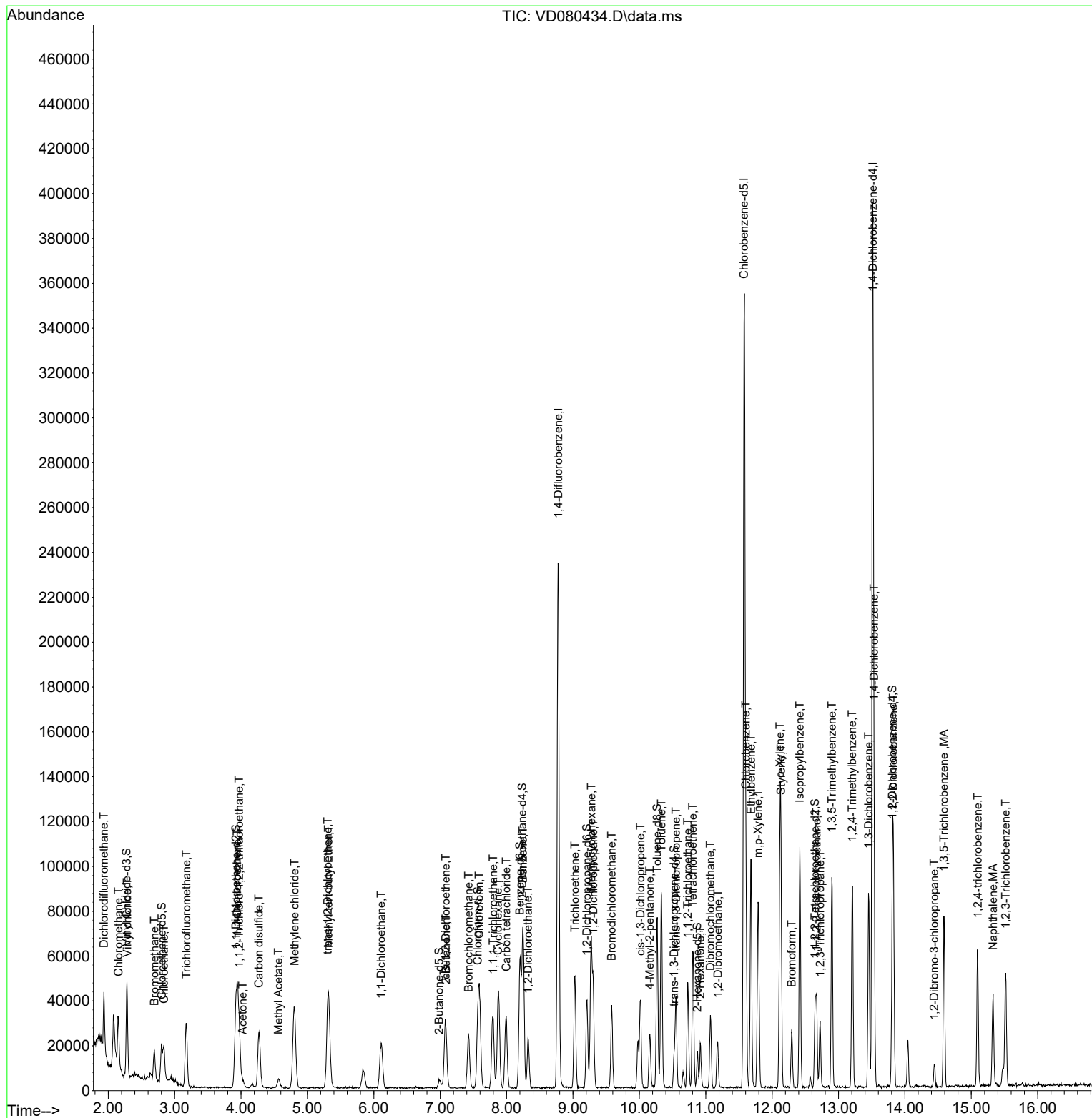
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.729	97	15504	5.37	ug/L	95
46) Tetrachloroethene	10.805	164	15857	5.04	ug/L	94
48) 2-Hexanone	10.917	43	12324	9.40	ug/L	98
49) Dibromochloromethane	11.070	129	18145	5.29	ug/L	99
50) 1,2-Dibromoethane	11.182	107	14381	5.29	ug/L	86
51) Chlorobenzene	11.605	112	50708	5.25	ug/L	99
52) Ethylbenzene	11.682	91	71348	4.69	ug/L	96
53) m,p-Xylene	11.788	106	27155	4.62	ug/L	96
54) o-Xylene	12.117	106	26039	4.62	ug/L	97
55) Styrene	12.135	104	45739	4.55	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.670	83	17512	5.25	ug/L	95
59) Bromoform	12.293	173	12420	5.45	ug/L	98
60) Isopropylbenzene	12.417	105	67780	4.66	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	11930	5.29	ug/L	94
62) 1,3,5-Trimethylbenzene	12.899	105	50830	4.46	ug/L	98
63) 1,2,4-Trimethylbenzene	13.205	105	50645	4.48	ug/L	99
64) 1,3-Dichlorobenzene	13.452	146	38386	5.08	ug/L	96
65) 1,4-Dichlorobenzene	13.535	146	39989	5.09	ug/L	96
67) 1,2-Dichlorobenzene	13.829	146	35708	5.09	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.440	75	2748	5.37	ug/L	90
69) 1,3,5-Trichlorobenzene	14.587	180	25137	4.82	ug/L	99
70) 1,2,4-trichlorobenzene	15.099	180	20896	4.77	ug/L	97
71) Naphthalene	15.329	128	35533	4.55	ug/L	98
72) 1,2,3-Trichlorobenzene	15.517	180	19197	4.74	ug/L	99

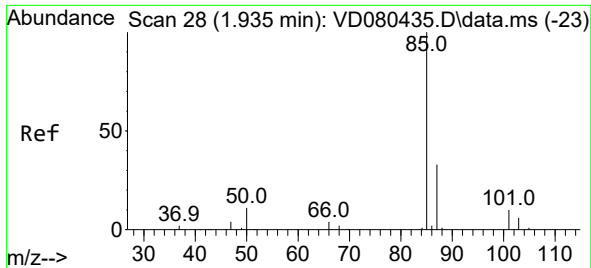
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061325\
Data File : VD080434.D
Acq On : 13 Jun 2025 12:33
Operator : RP/MD
Sample : VSTD005
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

Quant Time: Jun 16 09:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061325SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Jun 16 09:46:58 2025
Response via : Initial Calibration

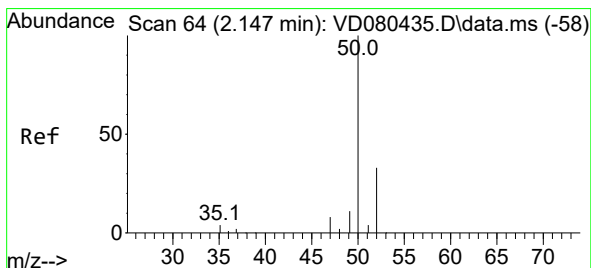
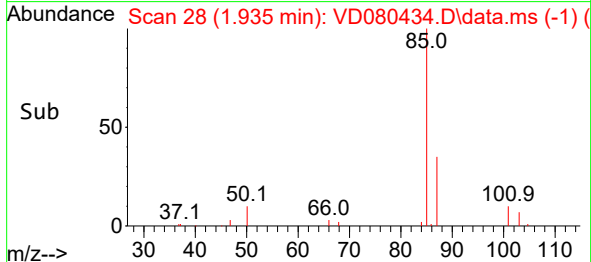
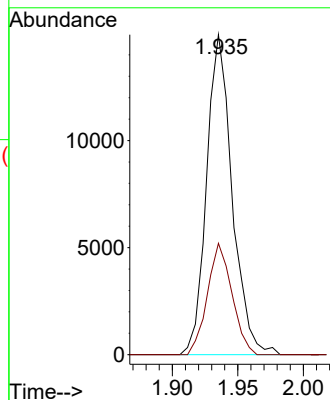
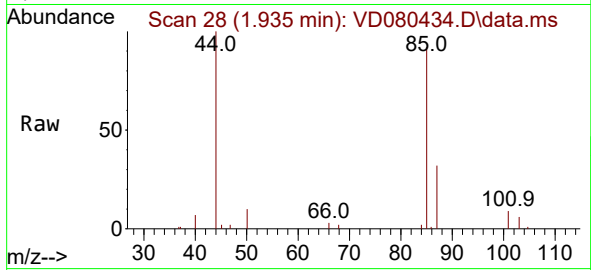




#2
Dichlorodifluoromethane
Concen: 5.79 ug/L
RT: 1.935 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

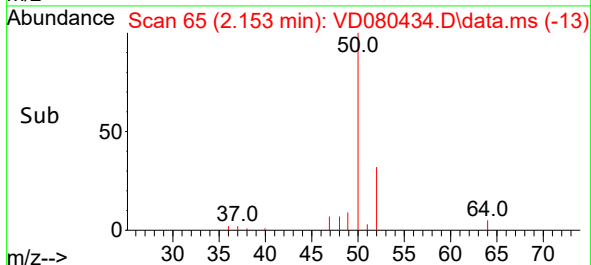
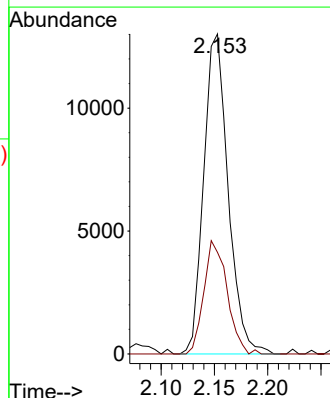
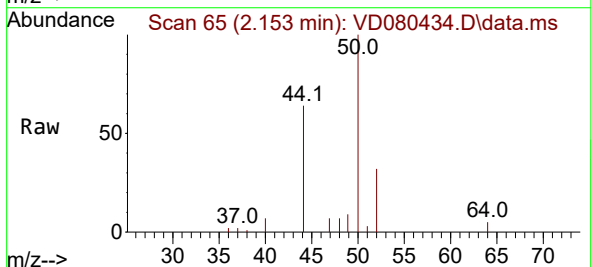
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MSVOA_D
ClientSampleId :
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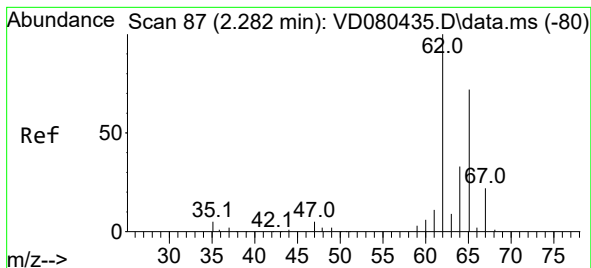
Tgt Ion: 85 Resp: 20311
Ion Ratio Lower Upper
85 100
87 33.3 26.2 39.4



#3
Chloromethane
Concen: 6.00 ug/L
RT: 2.153 min Scan# 65
Delta R.T. 0.006 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion: 50 Resp: 20800
Ion Ratio Lower Upper
50 100
52 31.7 22.9 42.5





#5

Vinyl chloride

Concen: 5.44 ug/L

RT: 2.288 min Scan# 87

Delta R.T. 0.006 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

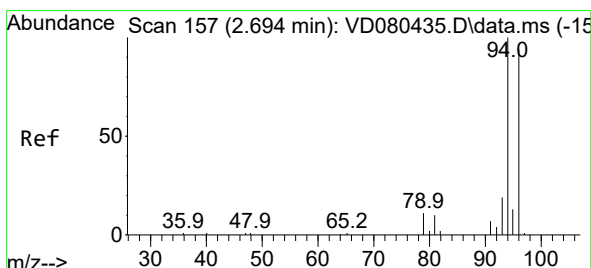
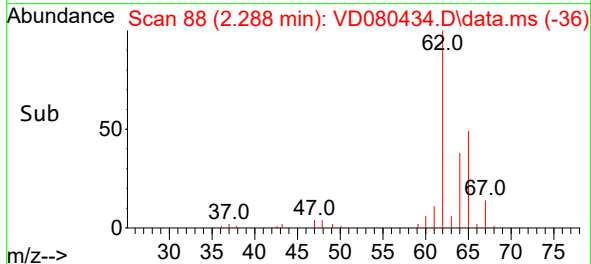
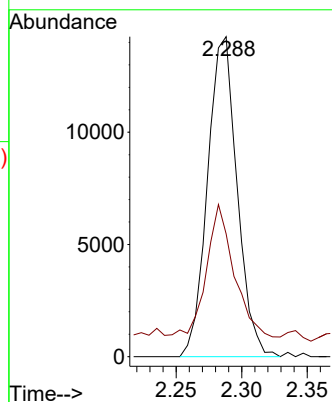
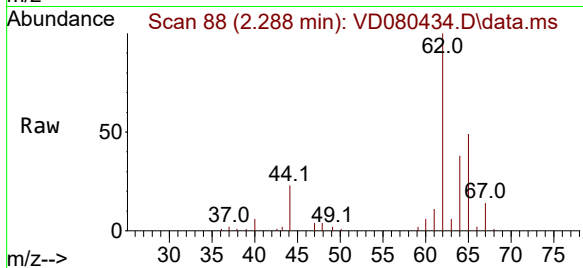
VSTD005877

Tgt Ion: 62 Resp: 22354

Ion Ratio Lower Upper

62 100

64 38.4 24.4 45.4



#6

Bromomethane

Concen: 4.83 ug/L

RT: 2.694 min Scan# 157

Delta R.T. -0.000 min

Lab File: VD080434.D

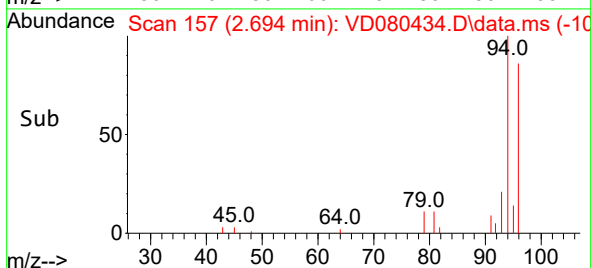
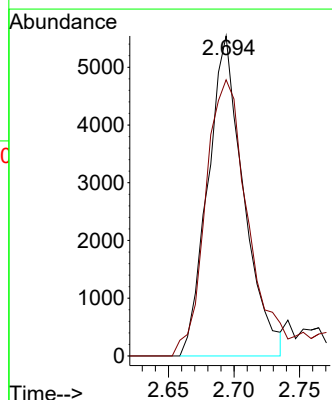
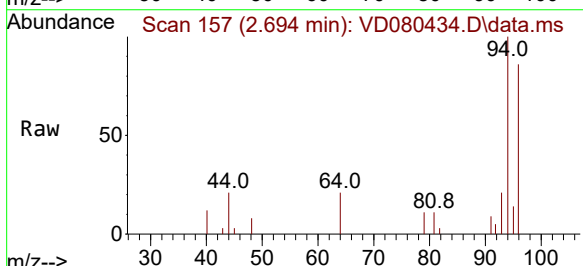
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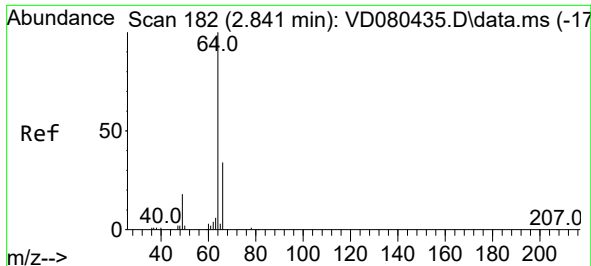
Tgt Ion: 94 Resp: 10523

Ion Ratio Lower Upper

94 100

96 86.3 65.5 121.7

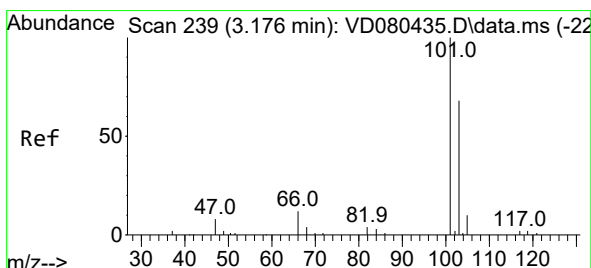
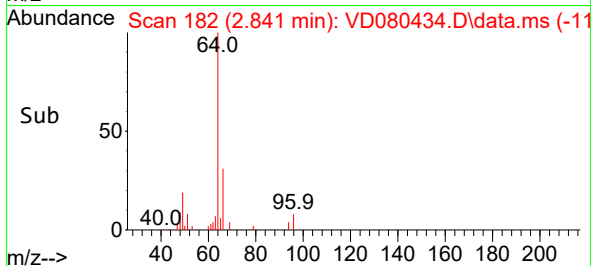
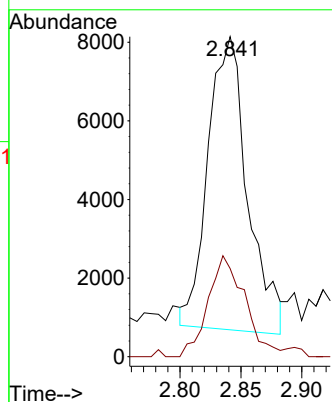
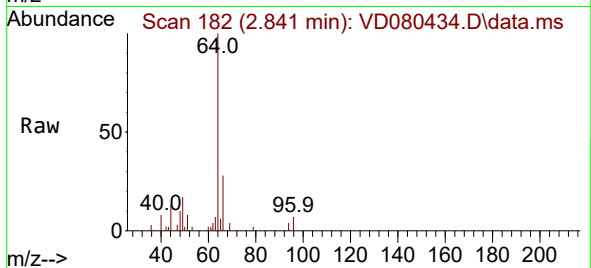




#8
Chloroethane
Concen: 6.10 ug/L
RT: 2.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

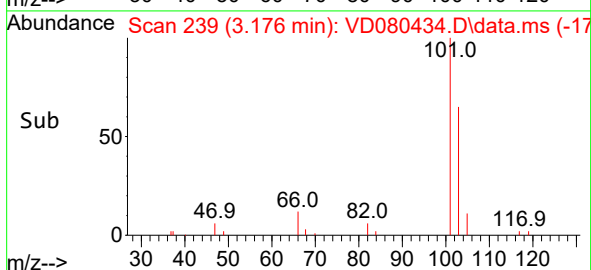
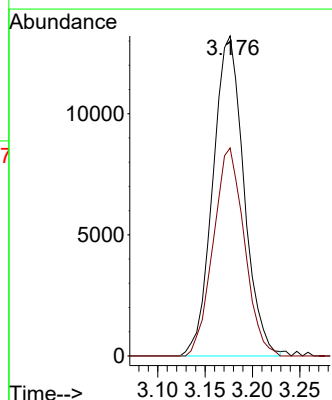
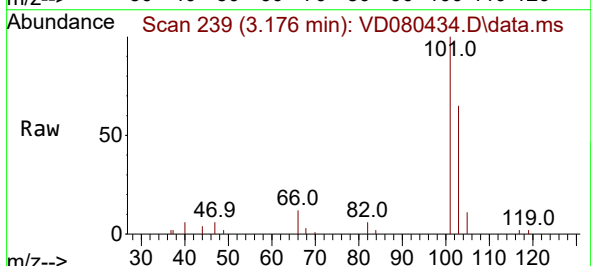
Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

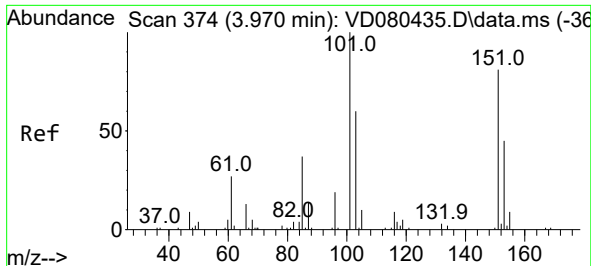
Tgt Ion: 64 Resp: 16856
Ion Ratio Lower Upper
64 100
66 27.6 23.3 43.3



#9
Trichlorofluoromethane
Concen: 5.53 ug/L
RT: 3.176 min Scan# 239
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion:101 Resp: 30114
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.0

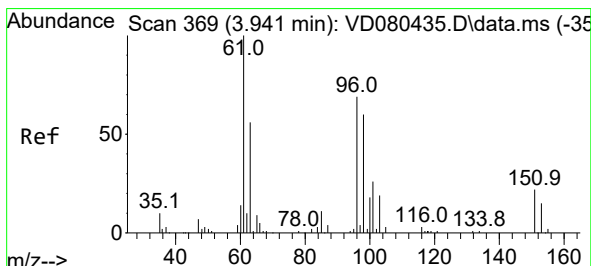
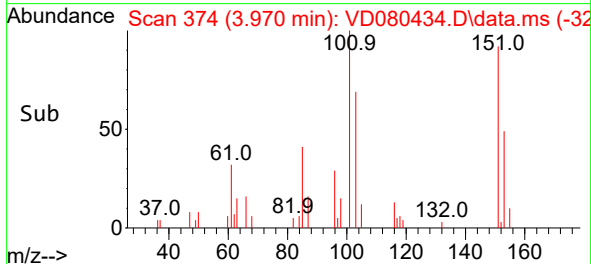
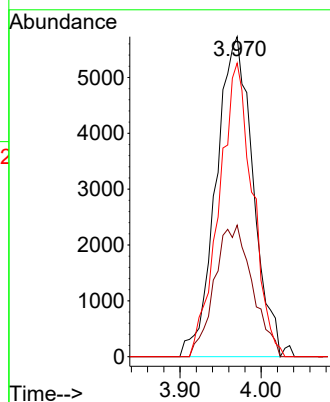
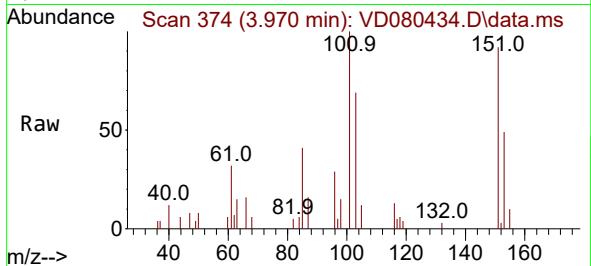




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.28 ug/L
 RT: 3.970 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VD080434.D
 Acq: 13 Jun 2025 12:33

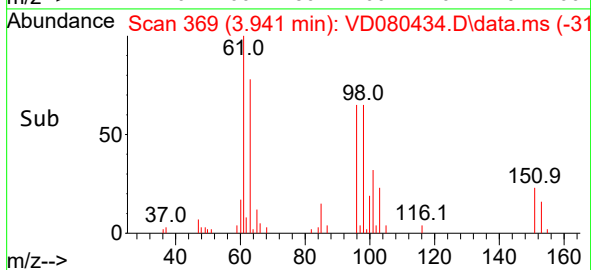
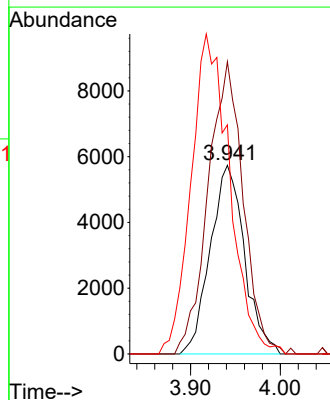
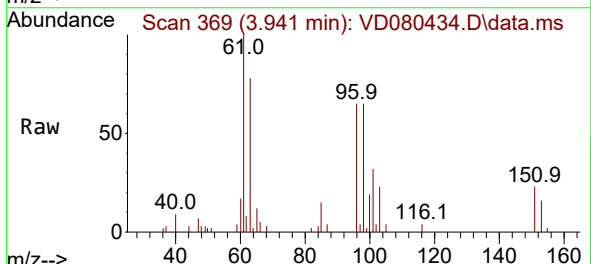
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005877

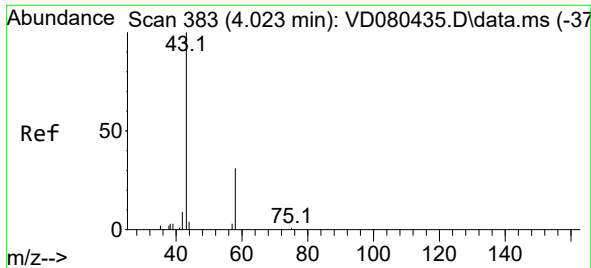
Tgt Ion:101 Resp: 18049
 Ion Ratio Lower Upper
 101 100
 85 22.0 33.3 49.9#
 151 83.4 66.3 99.5



#12
 1,1-Dichloroethene
 Concen: 5.14 ug/L
 RT: 3.941 min Scan# 369
 Delta R.T. -0.000 min
 Lab File: VD080434.D
 Acq: 13 Jun 2025 12:33

Tgt Ion: 96 Resp: 15191
 Ion Ratio Lower Upper
 96 100
 61 154.9 103.0 191.2
 63 121.4 66.8 124.0





#13

Acetone

Concen: 6.08 ug/L

RT: 4.023 min Scan# 383

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

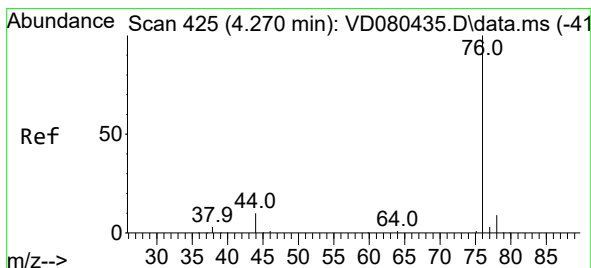
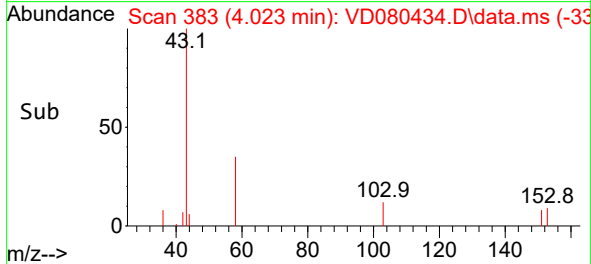
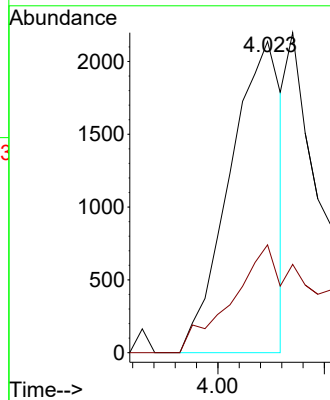
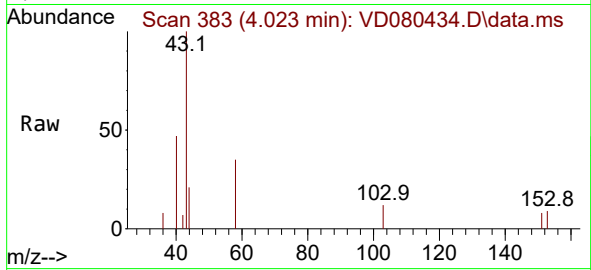
VSTD005877

Tgt Ion: 43 Resp: 3589

Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.4



#14

Carbon disulfide

Concen: 5.36 ug/L

RT: 4.270 min Scan# 425

Delta R.T. -0.000 min

Lab File: VD080434.D

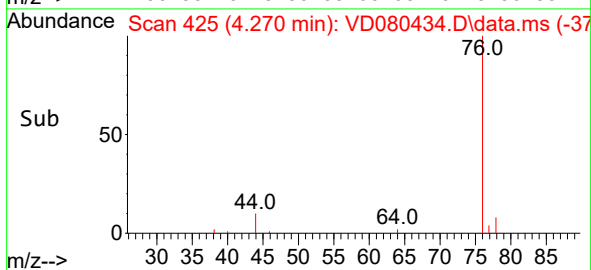
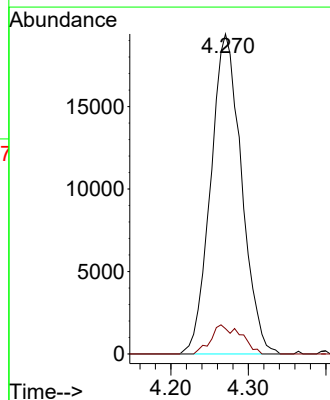
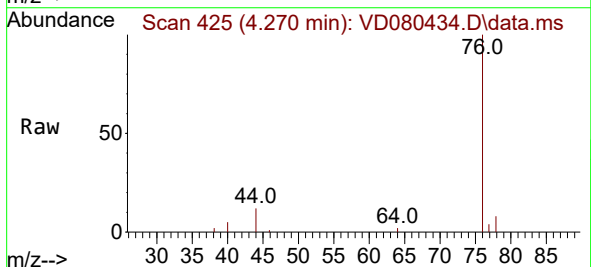
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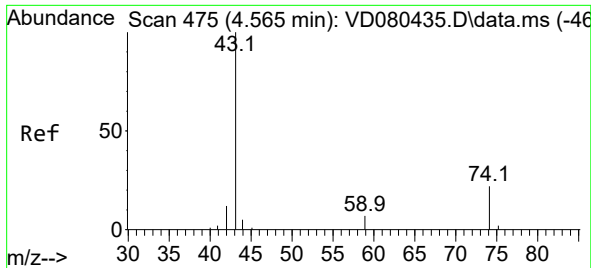
Tgt Ion: 76 Resp: 53591

Ion Ratio Lower Upper

76 100

78 7.9 7.2 10.8

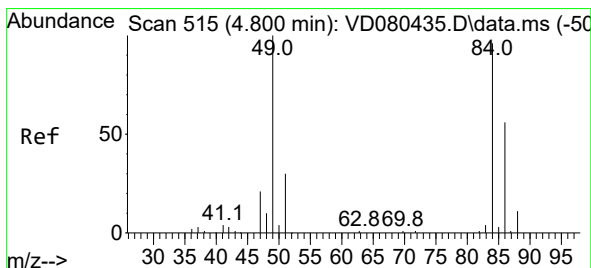
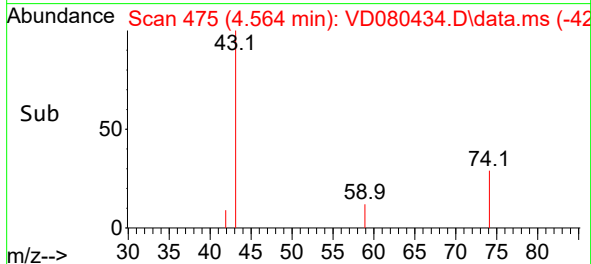
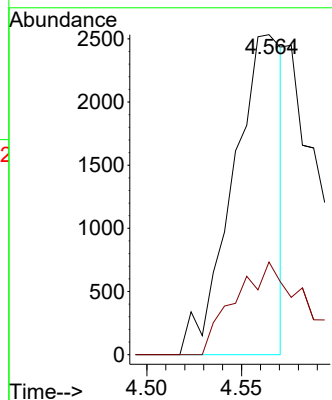
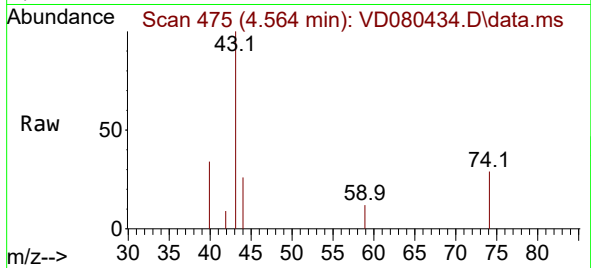




#15
Methyl Acetate
Concen: 3.28 ug/L
RT: 4.564 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

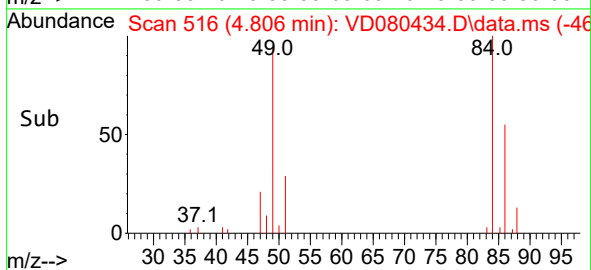
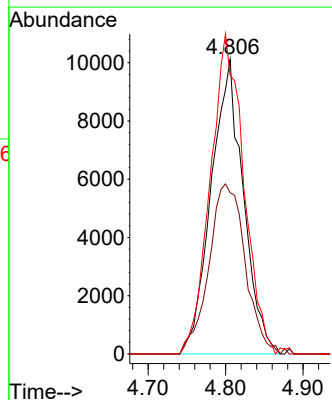
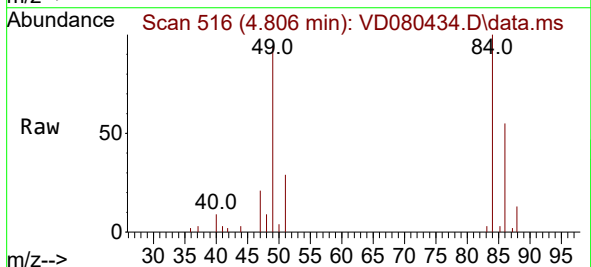
Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

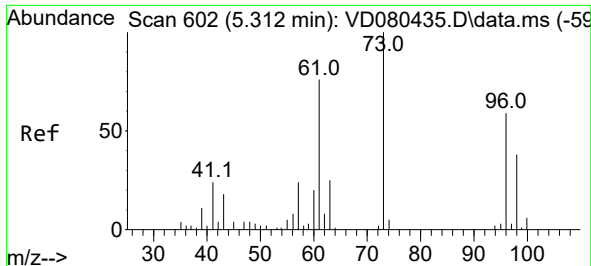
Tgt Ion: 43 Resp: 4597
Ion Ratio Lower Upper
43 100
74 30.3 19.2 28.8#



#16
Methylene chloride
Concen: 7.16 ug/L
RT: 4.806 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion: 84 Resp: 29174
Ion Ratio Lower Upper
84 100
86 54.7 40.9 75.9
49 94.5 72.8 135.2





#17

trans-1,2-Dichloroethene

Concen: 2.62 ug/L

RT: 5.306 min Scan# 602

Delta R.T. -0.006 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTD005877

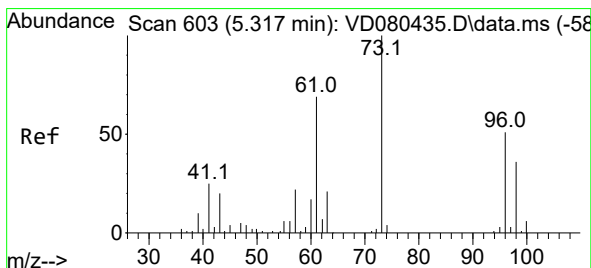
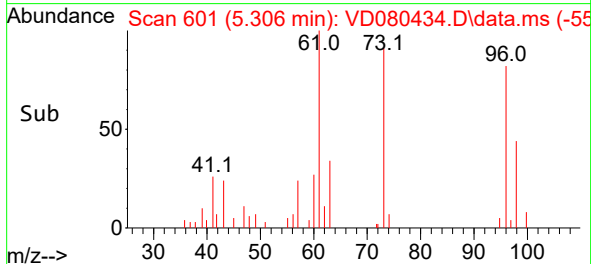
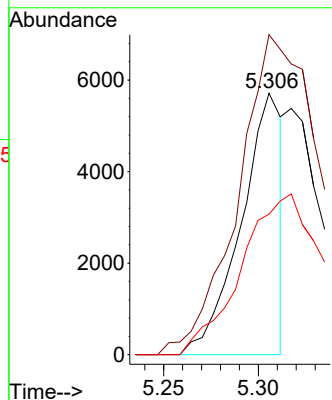
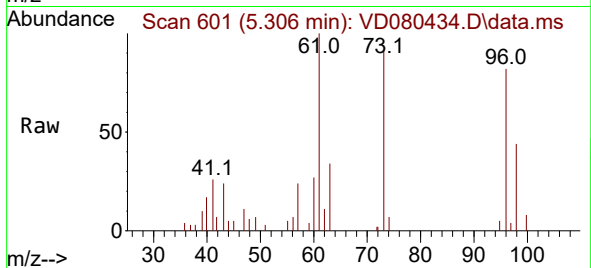
Tgt Ion: 96 Resp: 8673

Ion Ratio Lower Upper

96 100

61 122.4 89.9 167.0

98 53.7 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 4.85 ug/L

RT: 5.317 min Scan# 603

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

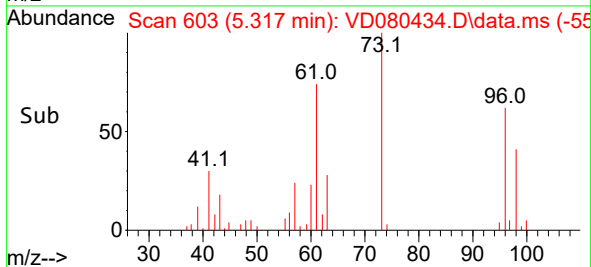
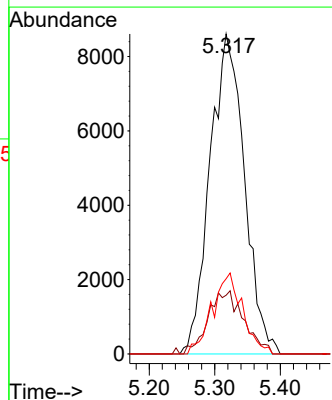
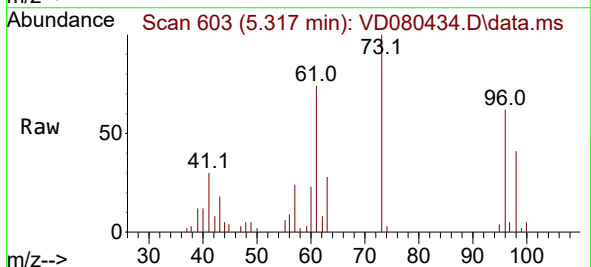
Tgt Ion: 73 Resp: 31398

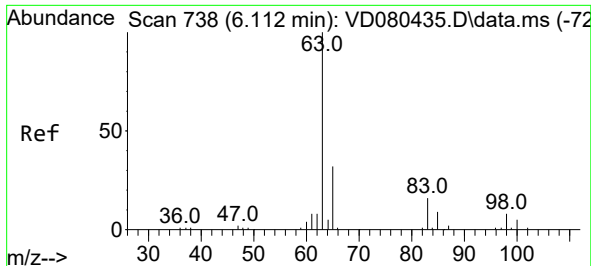
Ion Ratio Lower Upper

73 100

43 10.6 14.6 22.0#

57 15.3 11.2 16.8





#19

1,1-Dichloroethane

Concen: 5.22 ug/L

RT: 6.111 min Scan# 71

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTD005877

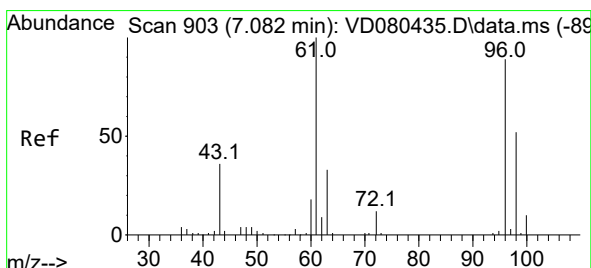
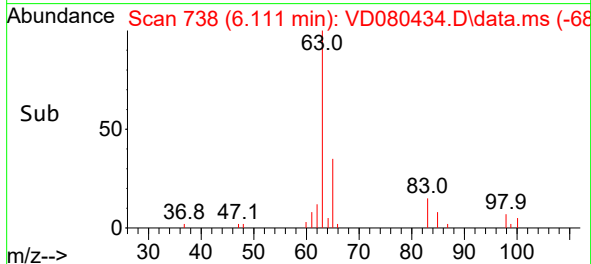
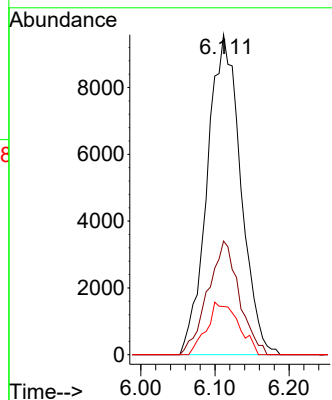
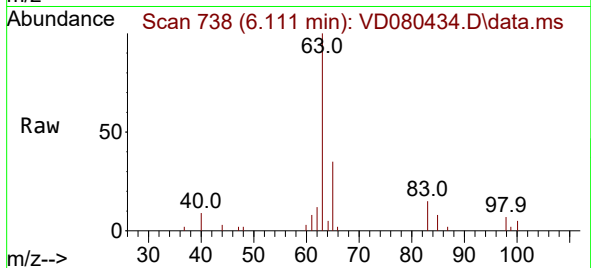
Tgt Ion: 63 Resp: 30075

Ion Ratio Lower Upper

63 100

65 35.5 22.1 41.1

83 15.1 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 4.84 ug/L

RT: 7.082 min Scan# 903

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

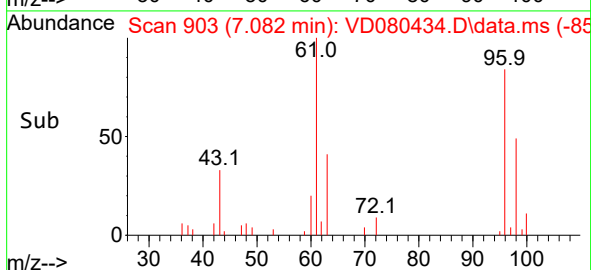
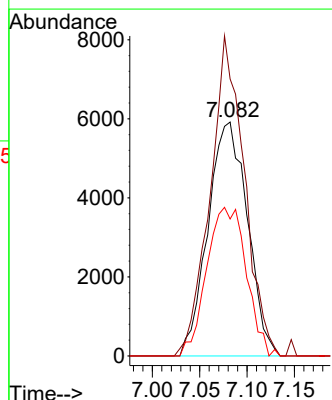
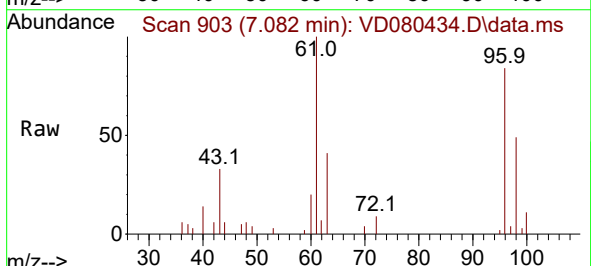
Tgt Ion: 96 Resp: 17135

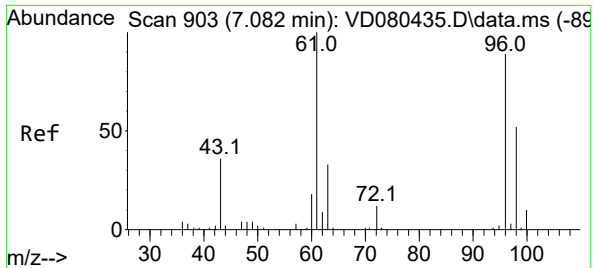
Ion Ratio Lower Upper

96 100

61 118.4 79.2 147.2

98 58.5 41.3 76.7

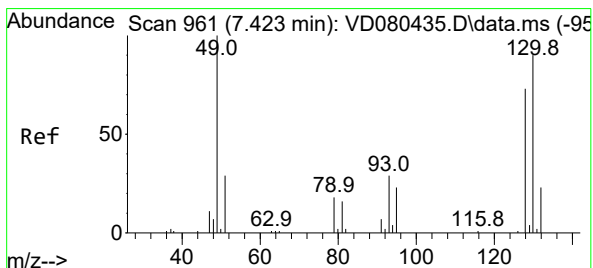
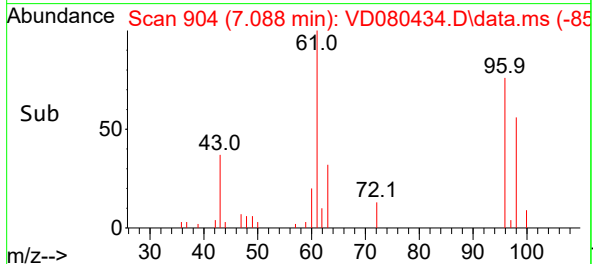
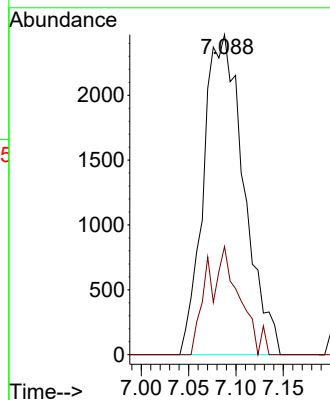
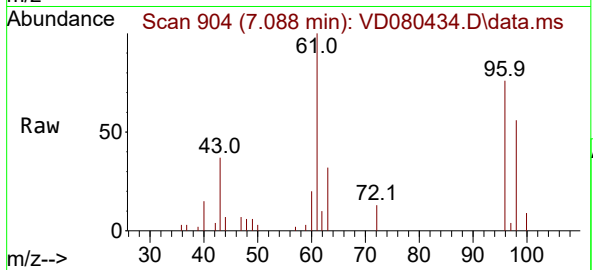




#22
2-Butanone
Concen: 9.00 ug/L
RT: 7.088 min Scan# 904
Delta R.T. 0.006 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

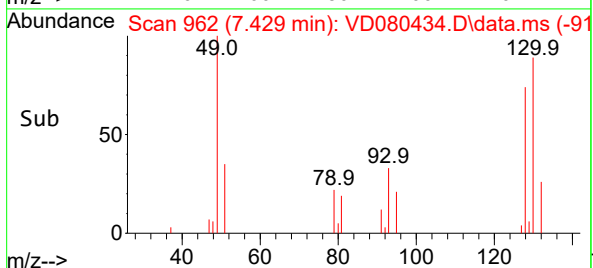
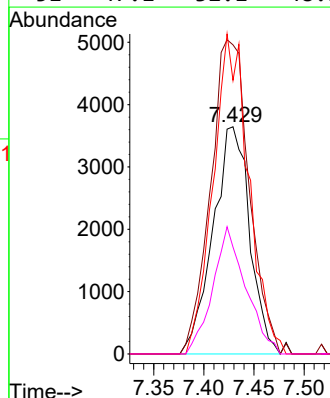
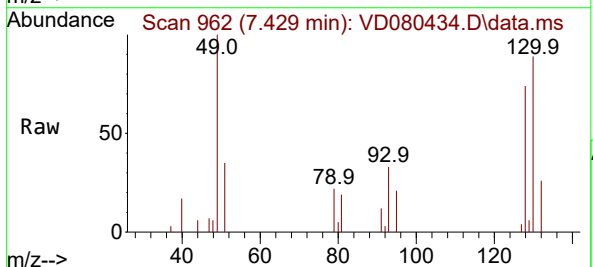
Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

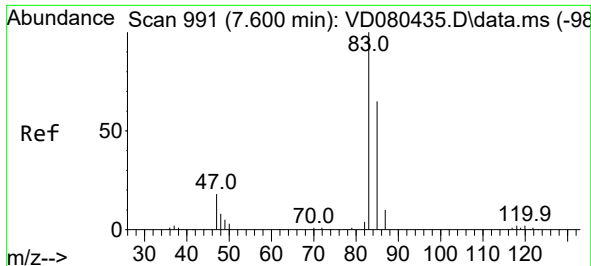
Tgt Ion: 43 Resp: 7309
Ion Ratio Lower Upper
43 100
72 17.3 14.4 43.2



#23
Bromochloromethane
Concen: 5.11 ug/L
RT: 7.429 min Scan# 962
Delta R.T. 0.006 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion:128 Resp: 9239
Ion Ratio Lower Upper
128 100
49 136.0 97.5 181.1
130 120.4 87.5 162.5
51 47.1 32.1 48.1





#25

Chloroform

Concen: 5.36 ug/L

RT: 7.588 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

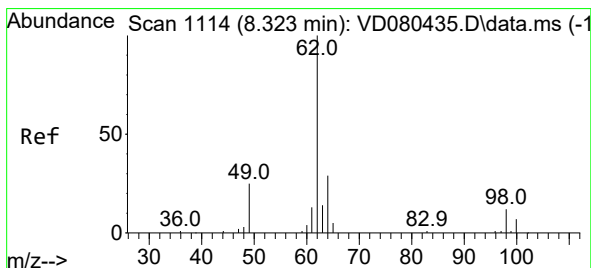
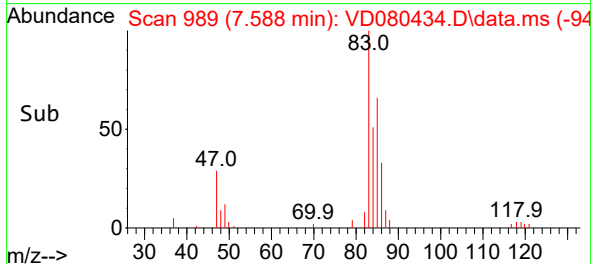
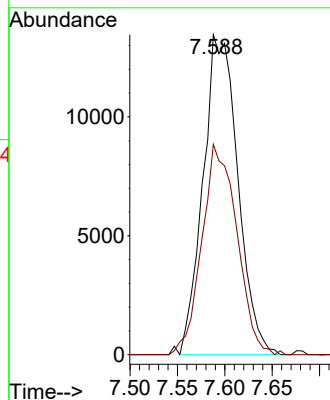
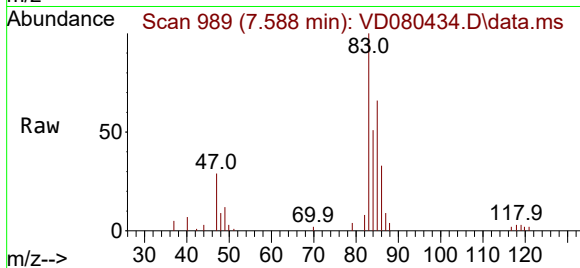
VSTD005877

Tgt Ion: 83 Resp: 34296

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.0



#27

1,2-Dichloroethane

Concen: 5.22 ug/L

RT: 8.323 min Scan# 1114

Delta R.T. -0.000 min

Lab File: VD080434.D

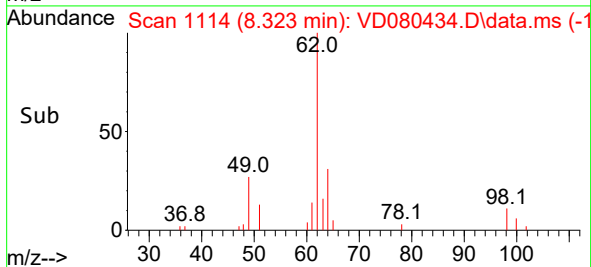
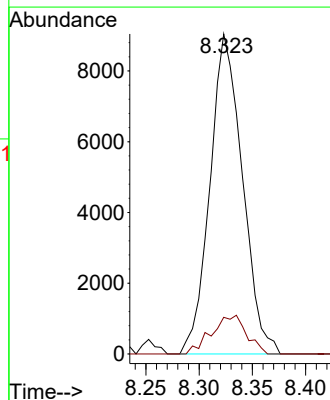
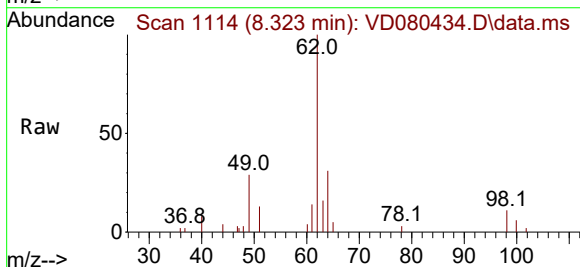
Acq: 13 Jun 2025 12:33

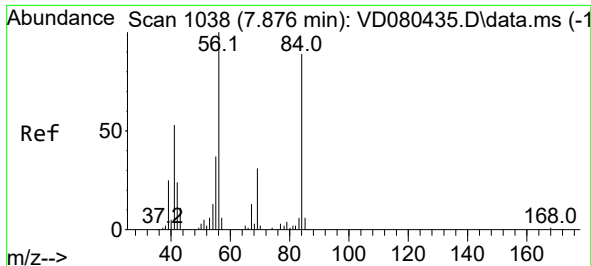
Tgt Ion: 62 Resp: 19156

Ion Ratio Lower Upper

62 100

98 11.4 9.7 14.5





#29

Cyclohexane

Concen: 2.28 ug/L

RT: 7.870 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTD005877

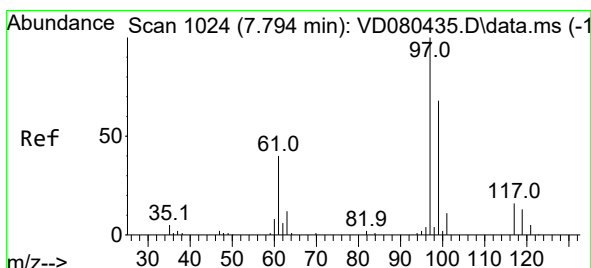
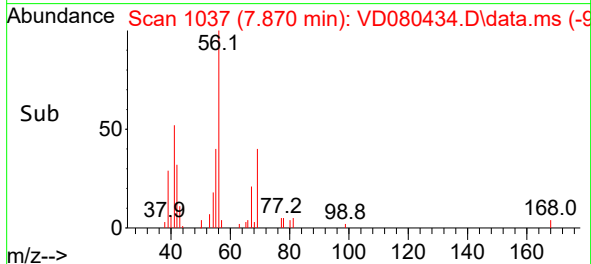
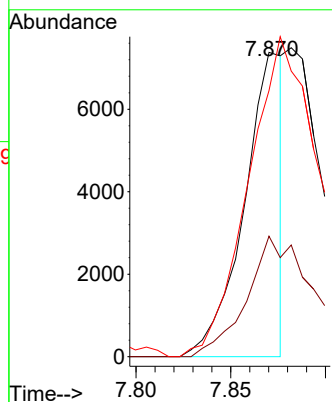
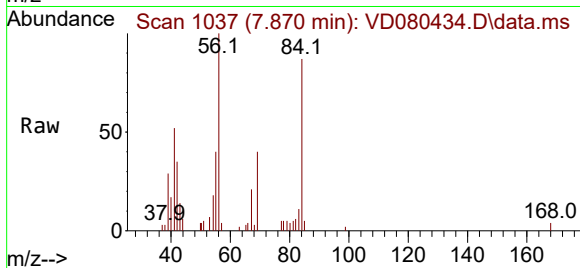
Tgt Ion: 56 Resp: 10622

Ion Ratio Lower Upper

56 100

69 66.2 25.4 38.0#

84 185.2 72.4 108.6#



#30

1,1,1-Trichloroethane

Concen: 5.24 ug/L

RT: 7.800 min Scan# 1025

Delta R.T. 0.006 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

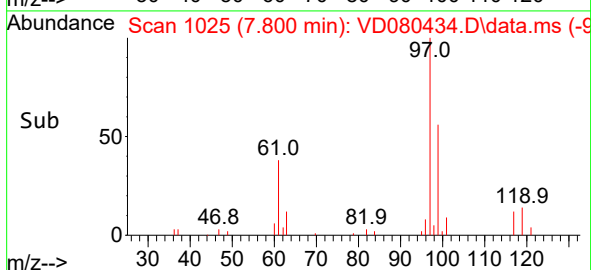
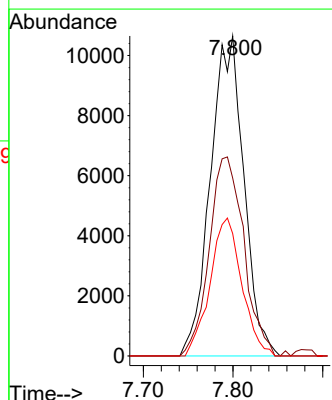
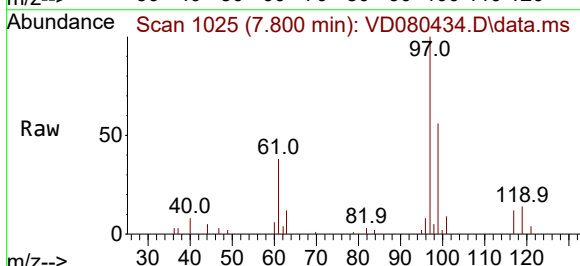
Tgt Ion: 97 Resp: 27572

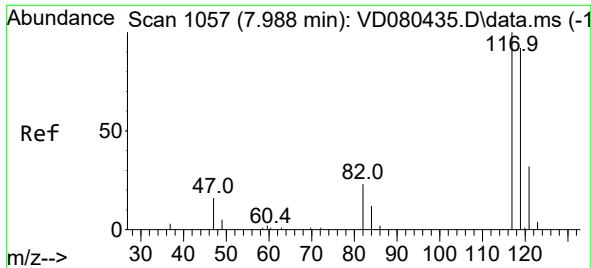
Ion Ratio Lower Upper

97 100

99 64.4 52.6 79.0

61 41.1 32.0 48.0

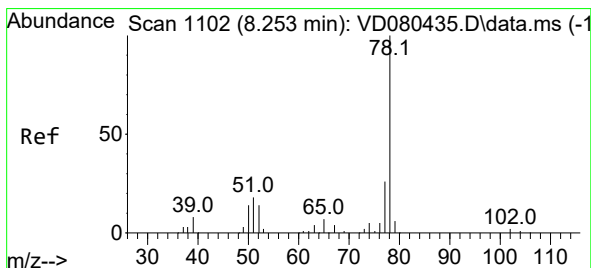
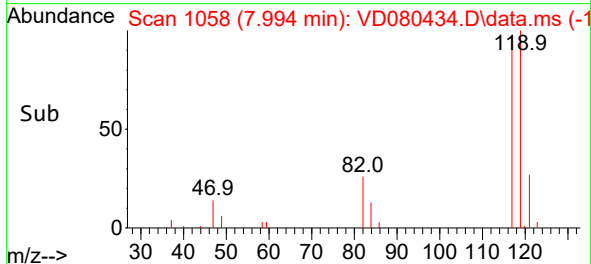
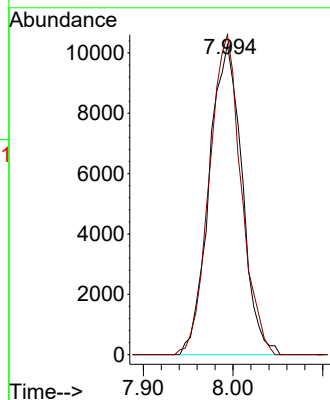
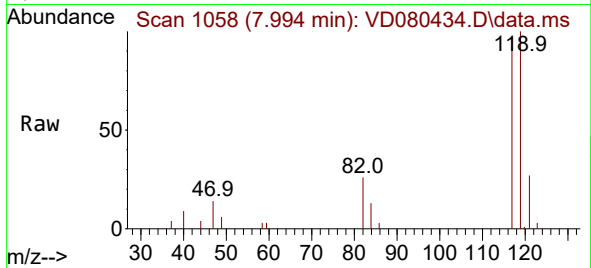




#31
Carbon tetrachloride
Concen: 5.32 ug/L
RT: 7.994 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

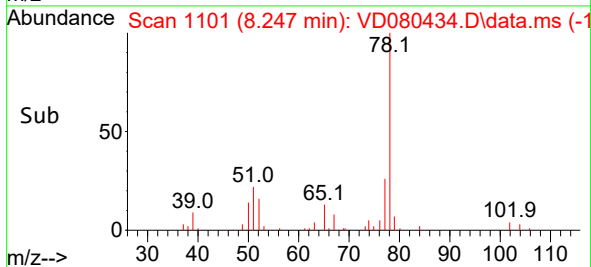
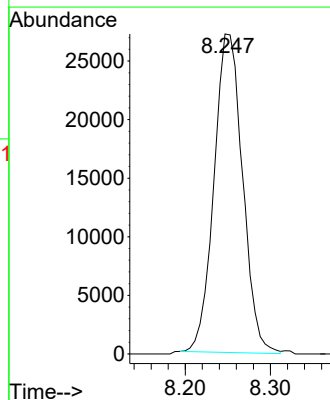
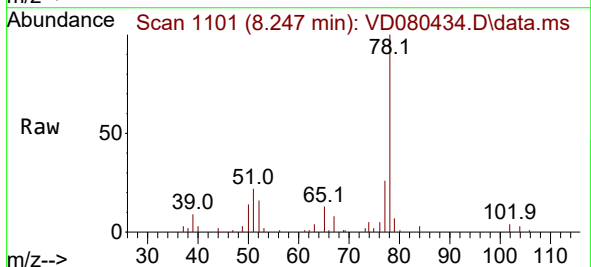
Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

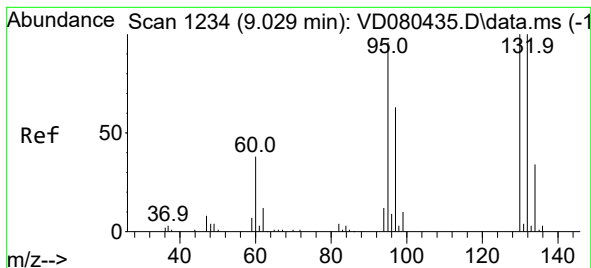
Tgt Ion:117 Resp: 26108
Ion Ratio Lower Upper
117 100
119 100.0 77.0 115.6



#33
Benzene
Concen: 4.92 ug/L
RT: 8.247 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion: 78 Resp: 63339





#34

Trichloroethene

Concen: 5.08 ug/L

RT: 9.029 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTD005877

Tgt Ion: 95 Resp: 18320

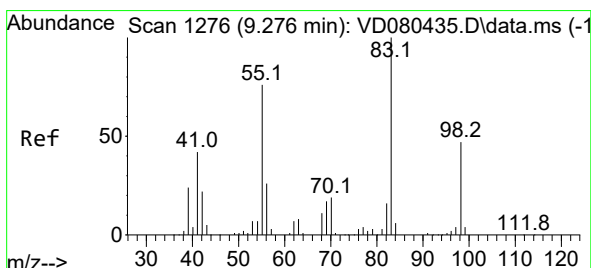
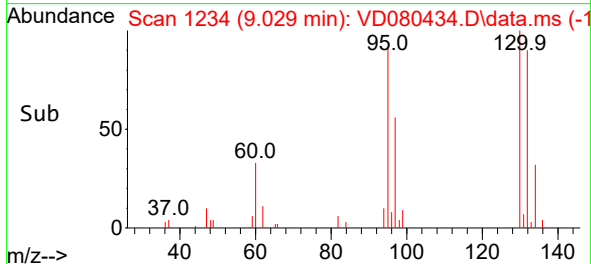
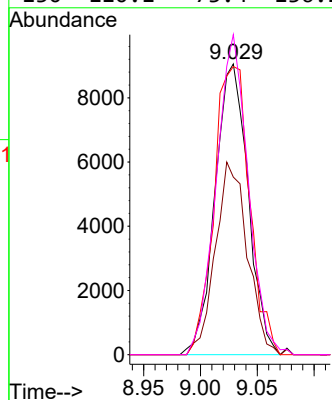
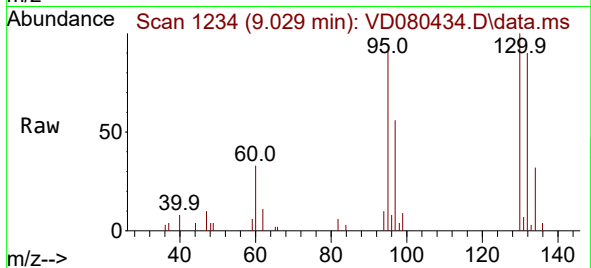
Ion Ratio Lower Upper

95 100

97 61.1 46.3 85.9

132 99.1 72.9 135.3

130 110.1 73.4 136.2



#35

Methylcyclohexane

Concen: 4.74 ug/L

RT: 9.276 min Scan# 1276

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

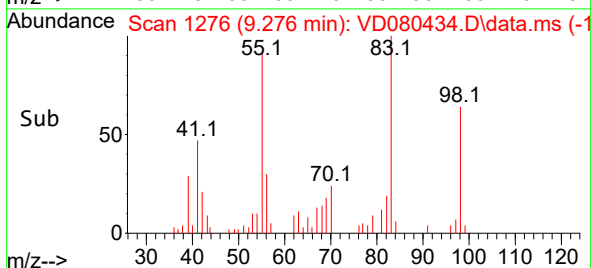
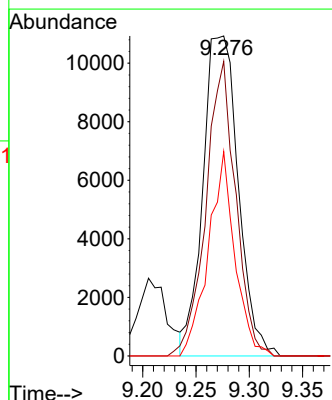
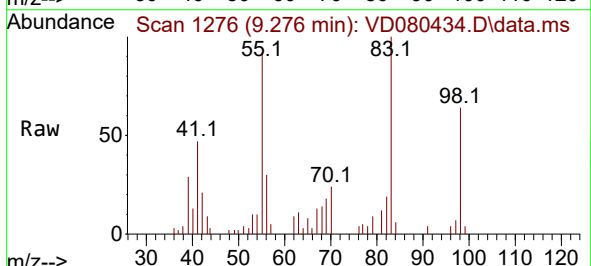
Tgt Ion: 83 Resp: 25201

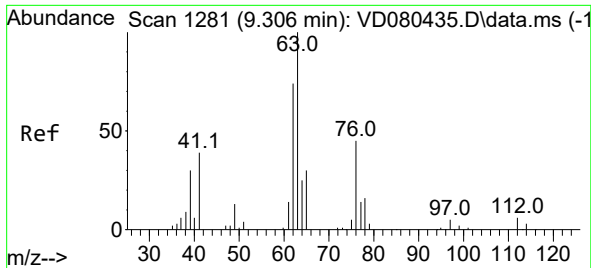
Ion Ratio Lower Upper

83 100

55 77.6 60.4 90.6

98 47.9 38.5 57.7





#37

1,2-Dichloropropane

Concen: 5.19 ug/L

RT: 9.305 min Scan# 1281

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

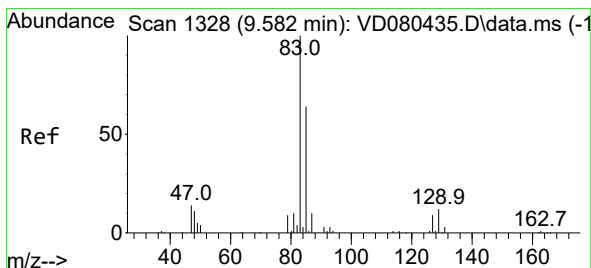
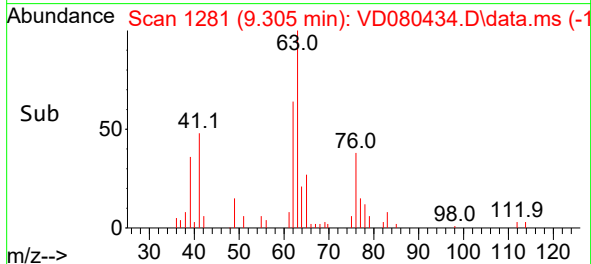
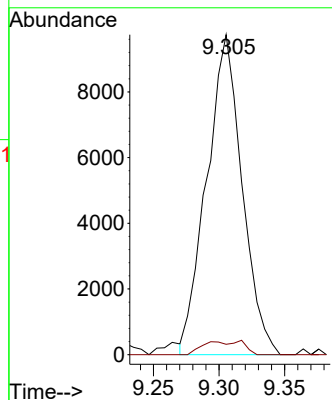
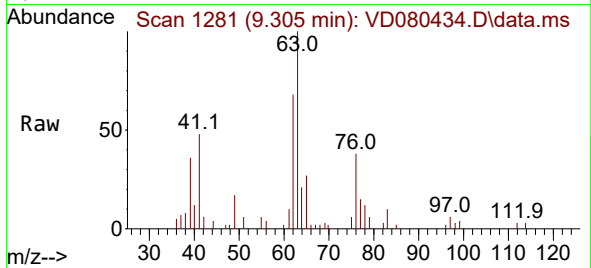
VSTD005877

Tgt Ion: 63 Resp: 18314

Ion Ratio Lower Upper

63 100

112 1.8 3.9 5.9#



#38

Bromodichloromethane

Concen: 5.30 ug/L

RT: 9.582 min Scan# 1328

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

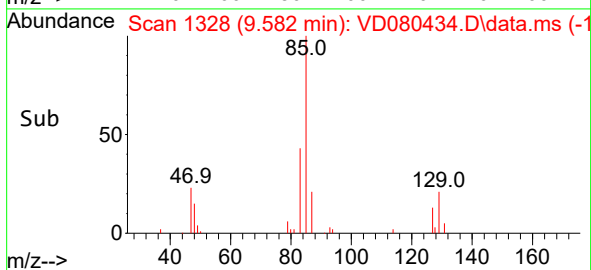
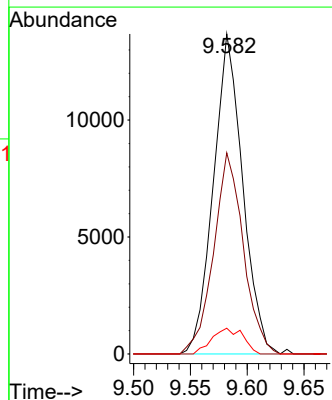
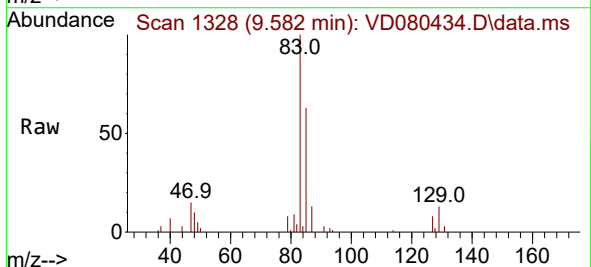
Tgt Ion: 83 Resp: 24476

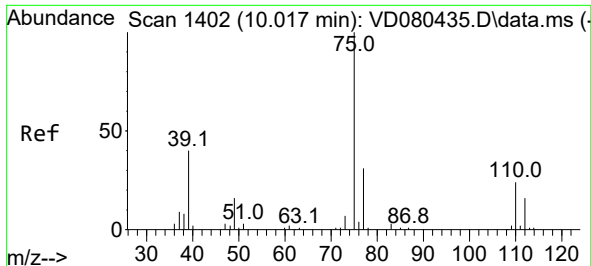
Ion Ratio Lower Upper

83 100

85 62.9 44.7 83.1

127 10.0 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 4.82 ug/L

RT: 10.017 min Scan# 1402

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

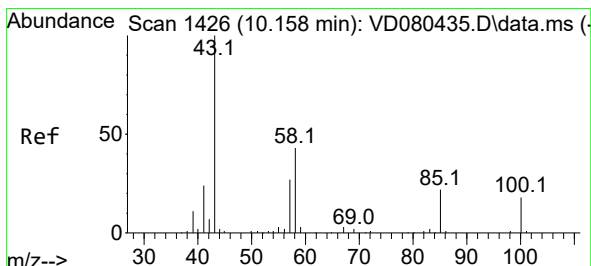
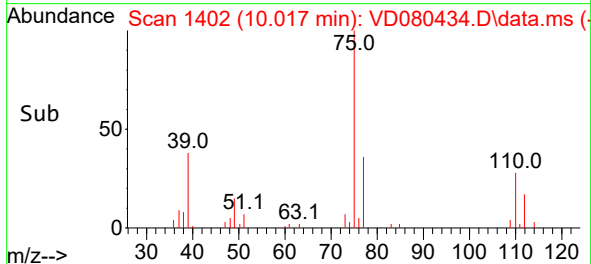
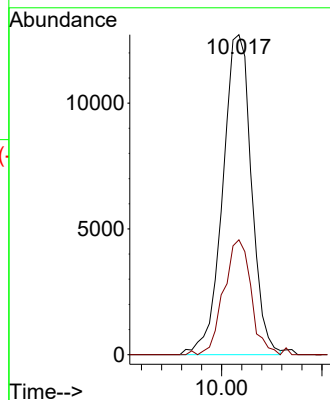
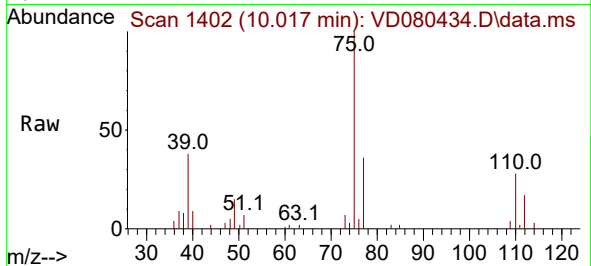
VSTD005877

Tgt Ion: 75 Resp: 25347

Ion Ratio Lower Upper

75 100

77 35.9 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 9.39 ug/L

RT: 10.158 min Scan# 1426

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

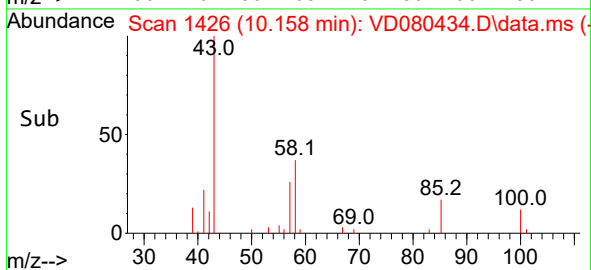
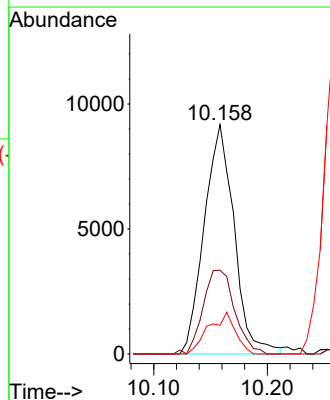
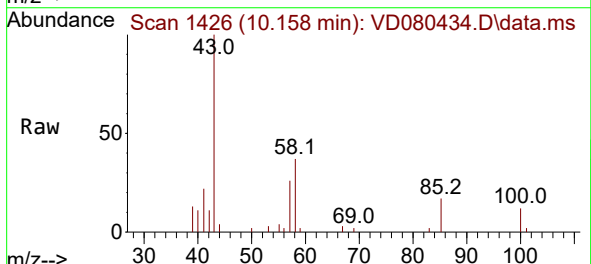
Tgt Ion: 43 Resp: 16825

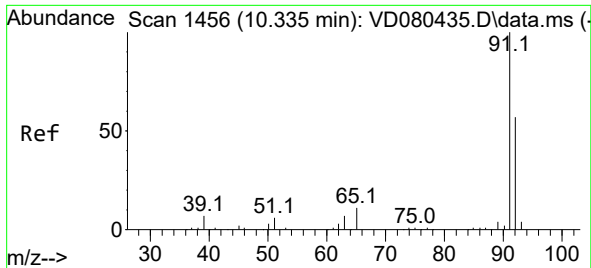
Ion Ratio Lower Upper

43 100

58 38.2 32.6 48.8

100 8.8 14.1 21.1#

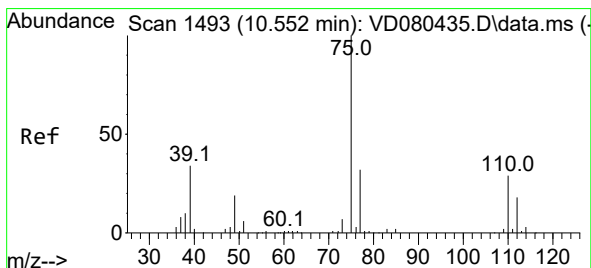
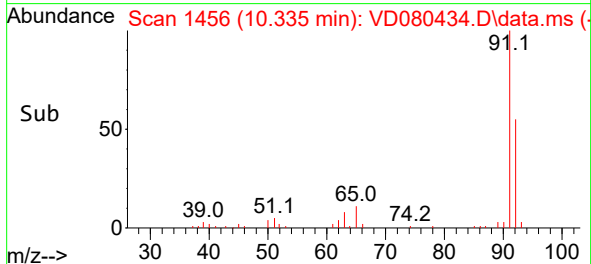
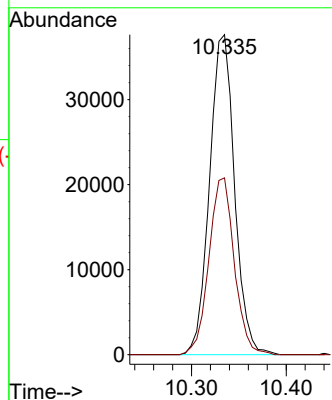
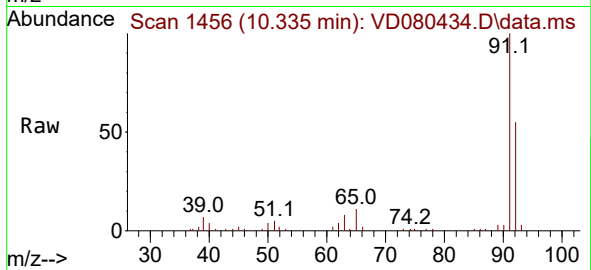




#42
Toluene
Concen: 4.89 ug/L
RT: 10.335 min Scan# 1456
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

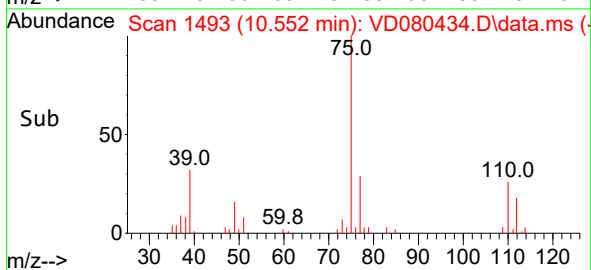
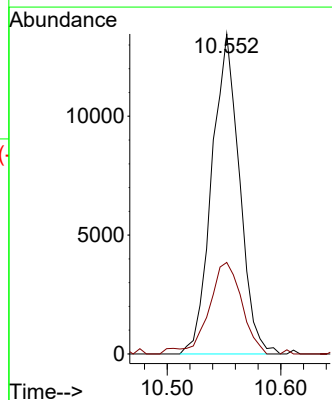
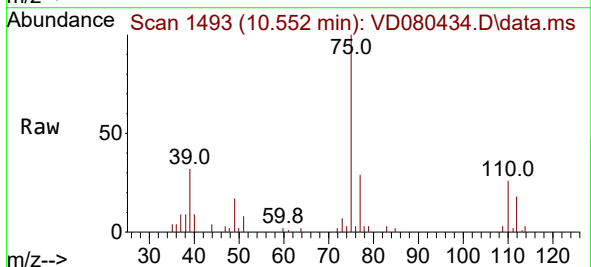
Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

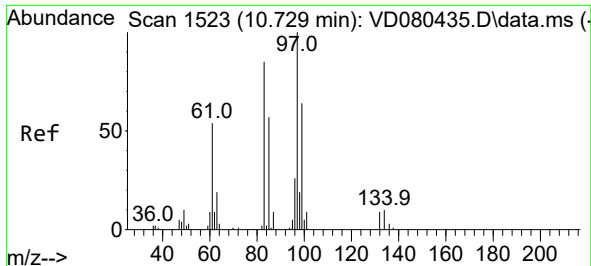
Tgt Ion: 91 Resp: 69043
Ion Ratio Lower Upper
91 100
92 55.2 39.7 73.7



#44
trans-1,3-Dichloropropene
Concen: 5.02 ug/L
RT: 10.552 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion: 75 Resp: 22784
Ion Ratio Lower Upper
75 100
77 28.6 22.6 42.0

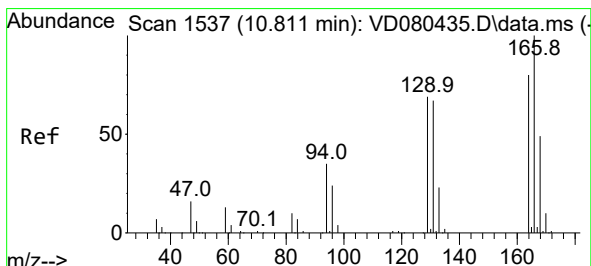
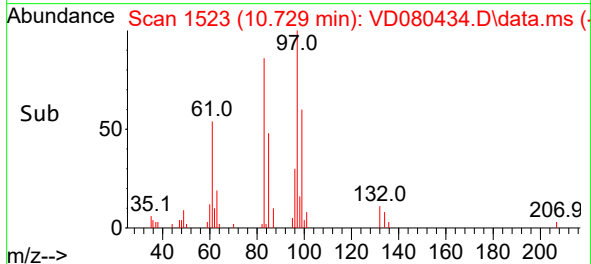
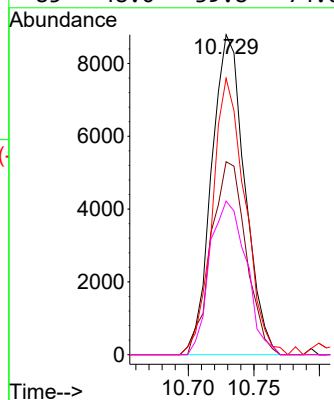
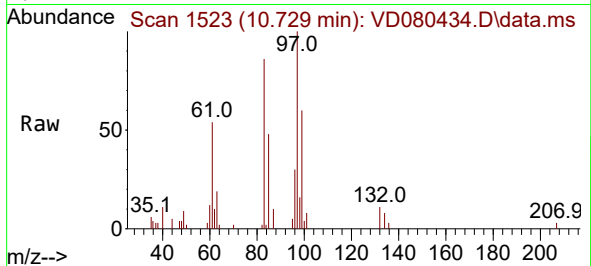




#45
1,1,2-Trichloroethane
Concen: 5.37 ug/L
RT: 10.729 min Scan# 1523
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

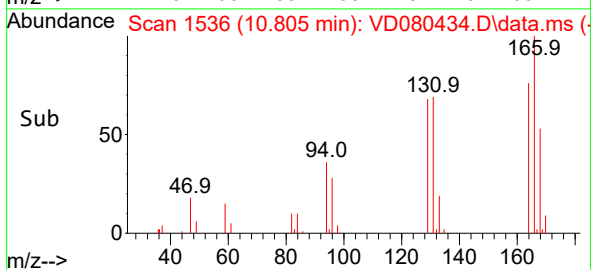
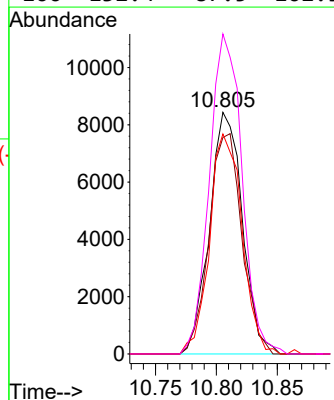
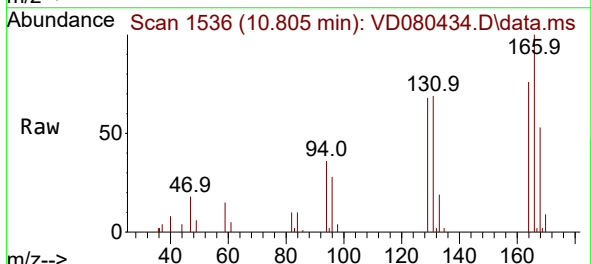
Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

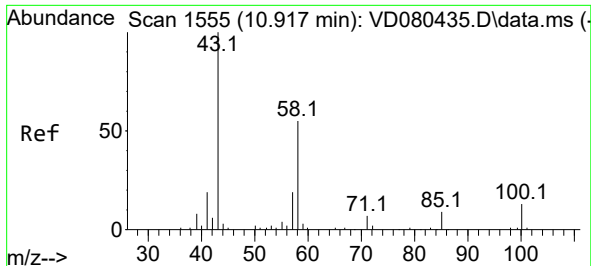
Tgt Ion: 97	Resp: 15504
Ion Ratio	Lower Upper
97 100	
99 60.3	44.8 83.2
83 86.3	59.7 110.9
85 48.0	39.8 74.0



#46
Tetrachloroethene
Concen: 5.04 ug/L
RT: 10.805 min Scan# 1536
Delta R.T. -0.006 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt	Ion:164	Resp:	15857
Ion	Ratio	Lower	Upper
164	100		
129	89.6	60.2	111.8
131	91.0	58.3	108.3
166	132.4	87.5	162.5

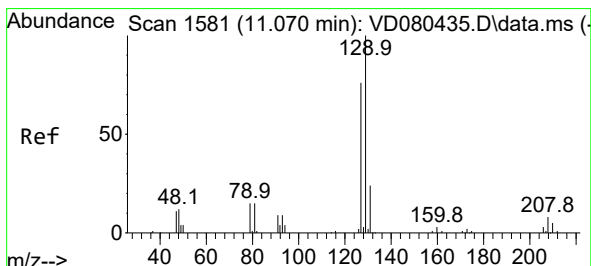
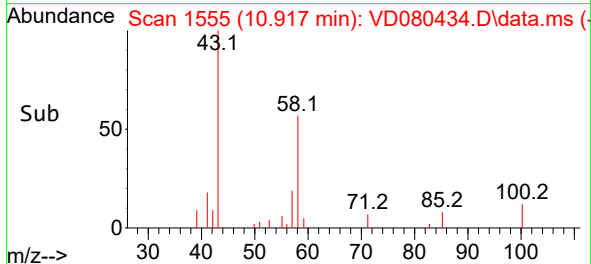
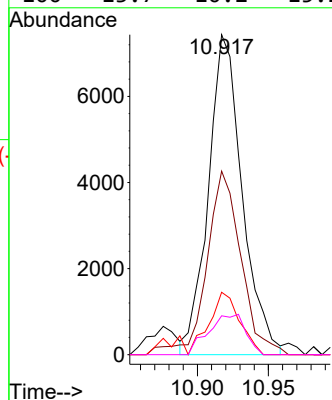
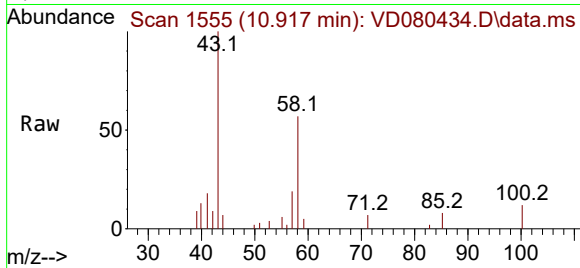




#48
2-Hexanone
Concen: 9.40 ug/L
RT: 10.917 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

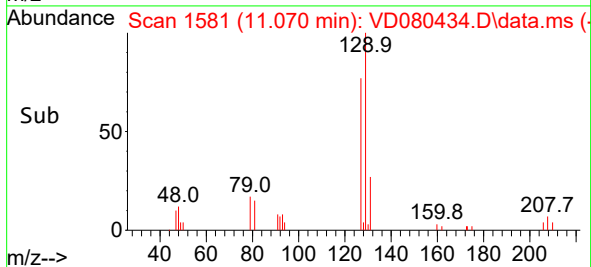
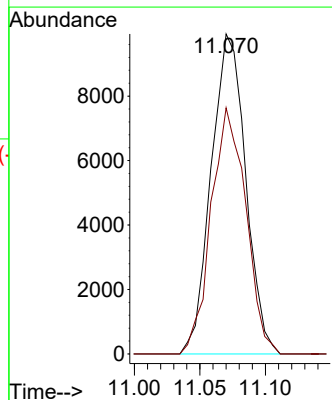
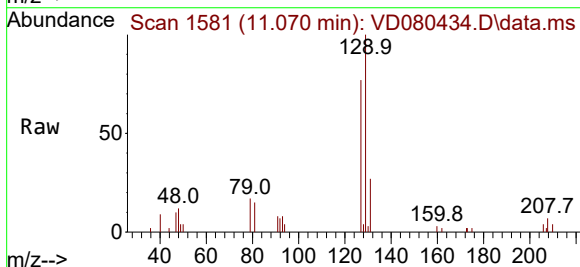
Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

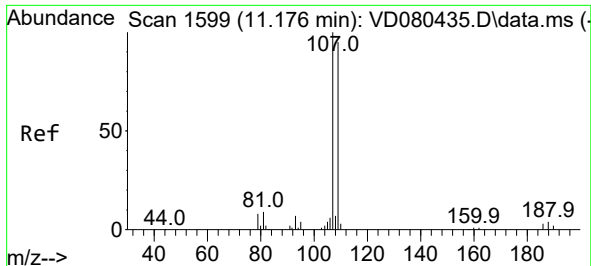
Tgt Ion:	43	Resp:	12324
Ion	Ratio	Lower	Upper
43	100		
58	55.8	43.5	65.3
57	17.7	15.4	23.0
100	13.7	10.2	15.2



#49
Dibromochloromethane
Concen: 5.29 ug/L
RT: 11.070 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion:	129	Resp:	18145
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.3	98.9

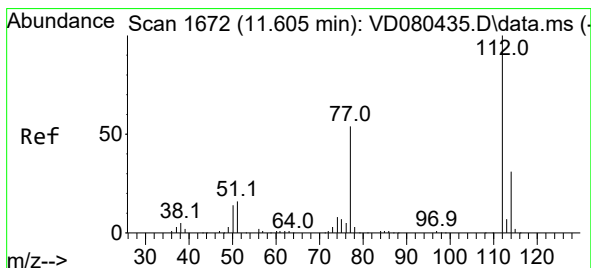
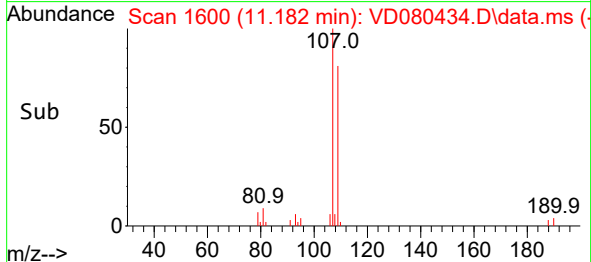
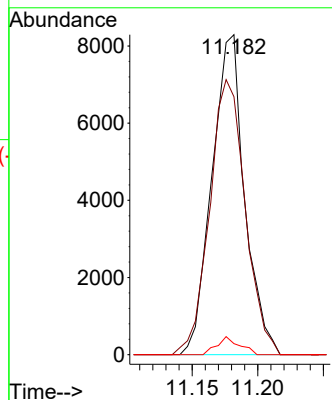
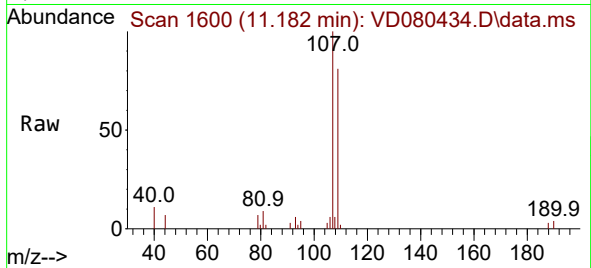




#50
1,2-Dibromoethane
Concen: 5.29 ug/L
RT: 11.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

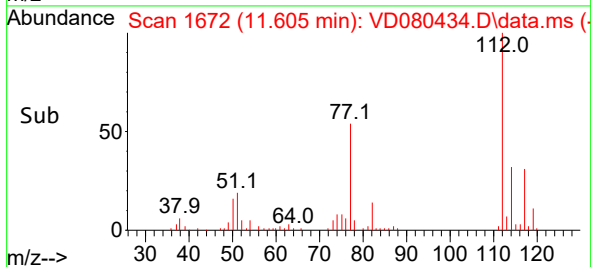
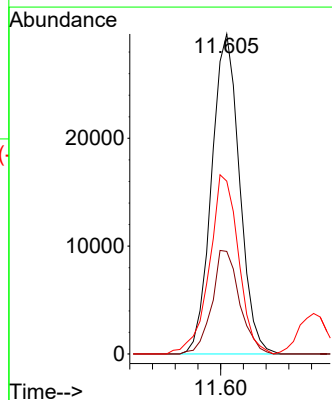
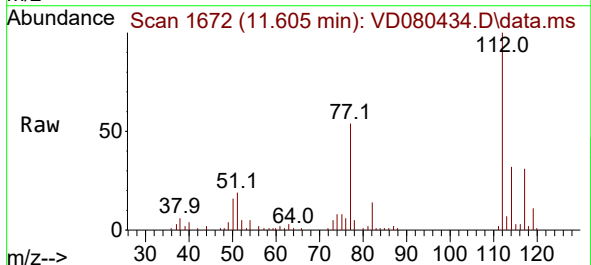
Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

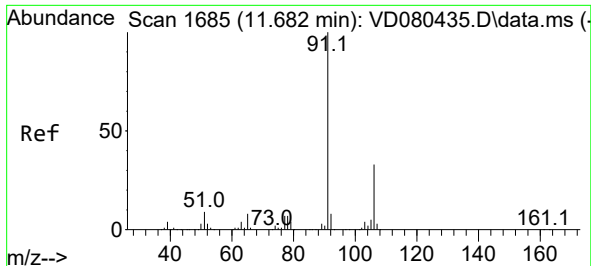
Tgt Ion:107 Resp: 14381
Ion Ratio Lower Upper
107 100
109 80.6 66.3 123.1
188 3.4 3.3 4.9



#51
Chlorobenzene
Concen: 5.25 ug/L
RT: 11.605 min Scan# 1672
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion:112 Resp: 50708
Ion Ratio Lower Upper
112 100
114 32.1 21.9 40.7
77 54.0 43.4 65.2

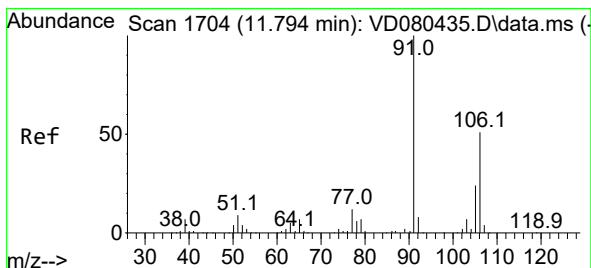
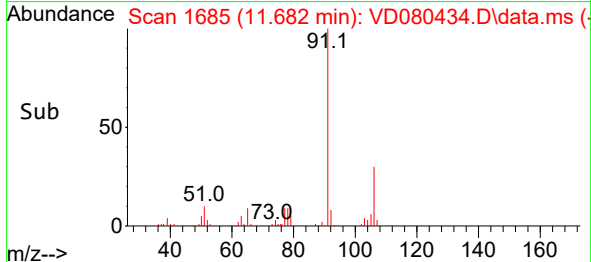
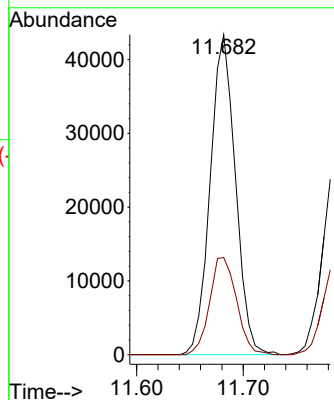
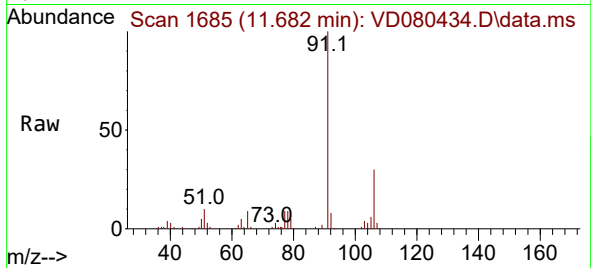




#52
Ethylbenzene
Concen: 4.69 ug/L
RT: 11.682 min Scan# 11685
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

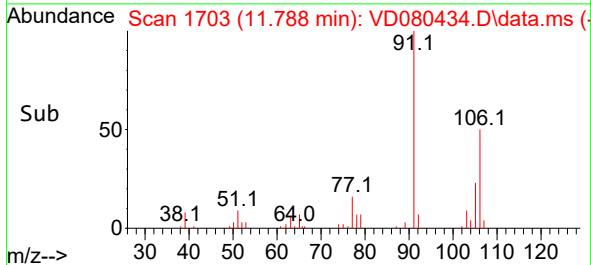
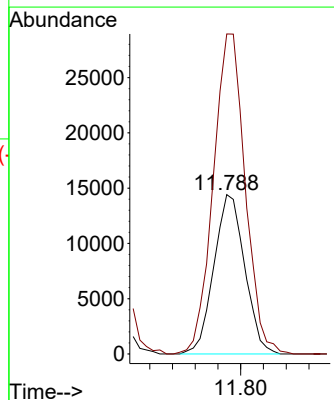
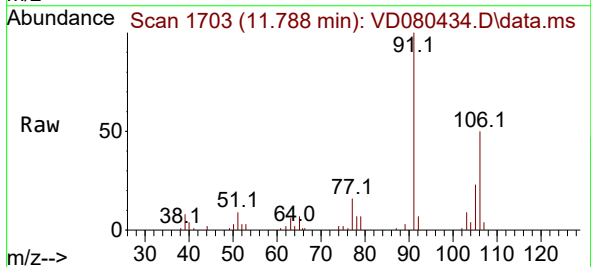
Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

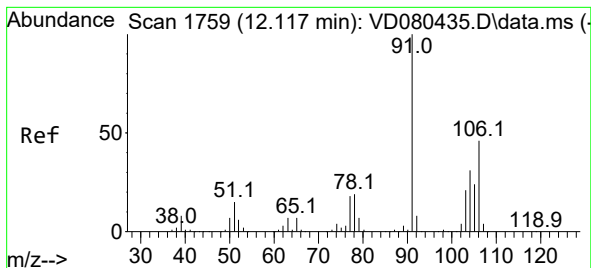
Tgt Ion: 91 Resp: 71348
Ion Ratio Lower Upper
91 100
106 30.4 23.0 42.6



#53
m,p-Xylene
Concen: 4.62 ug/L
RT: 11.788 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion: 106 Resp: 27155
Ion Ratio Lower Upper
106 100
91 200.8 136.8 254.2





#54

o-Xylene

Concen: 4.62 ug/L

RT: 12.117 min Scan# 1759

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

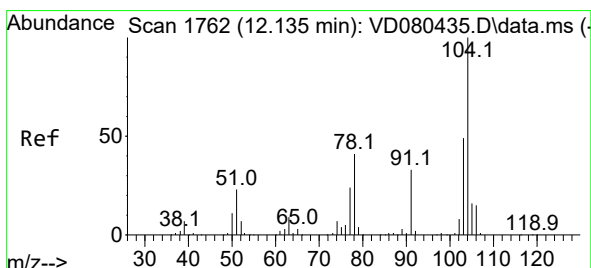
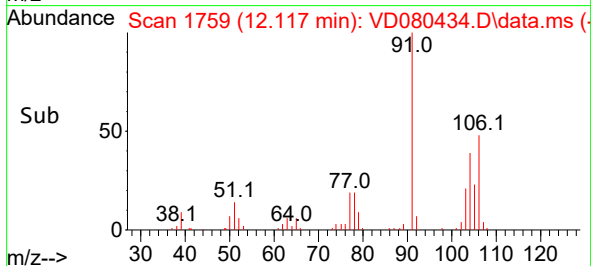
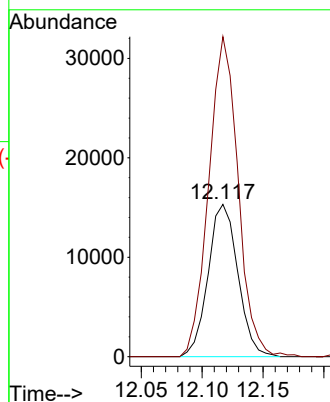
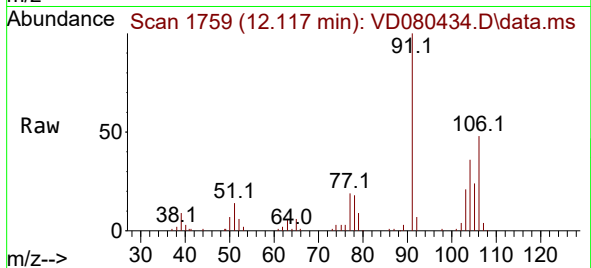
VSTD005877

Tgt Ion:106 Resp: 26039

Ion Ratio Lower Upper

106 100

91 210.1 150.8 280.0



#55

Styrene

Concen: 4.55 ug/L

RT: 12.135 min Scan# 1762

Delta R.T. -0.000 min

Lab File: VD080434.D

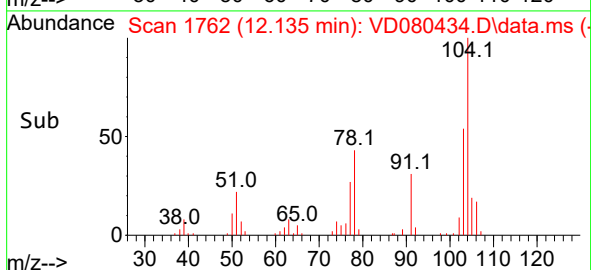
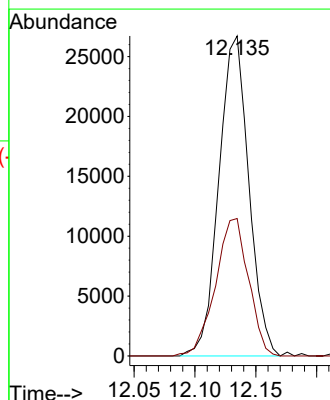
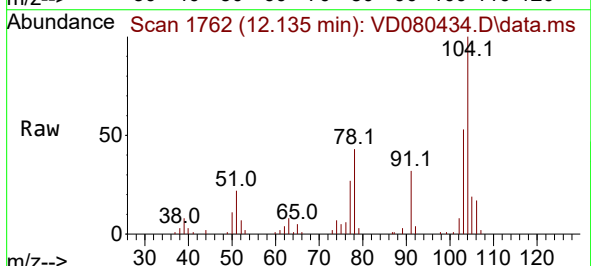
Acq: 13 Jun 2025 12:33

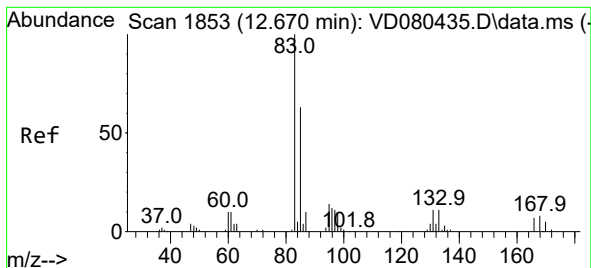
Tgt Ion:104 Resp: 45739

Ion Ratio Lower Upper

104 100

78 43.0 28.7 53.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.25 ug/L

RT: 12.670 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTD005877

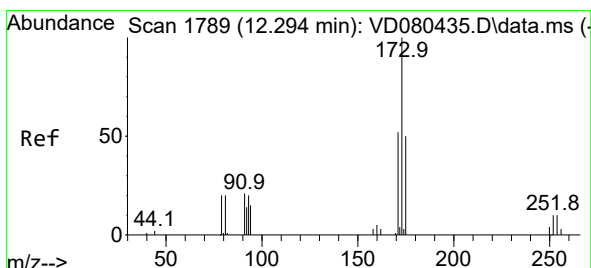
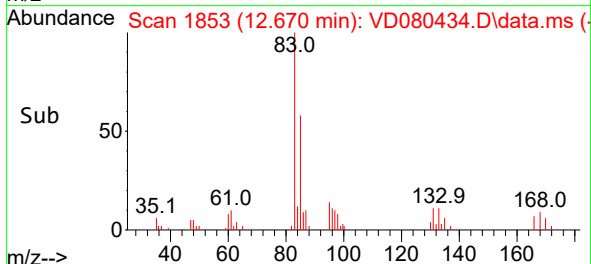
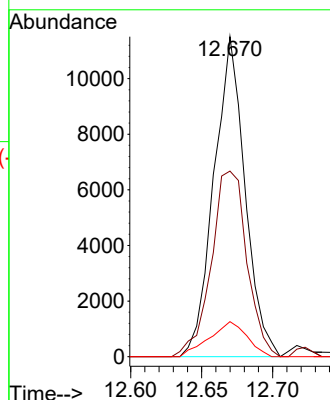
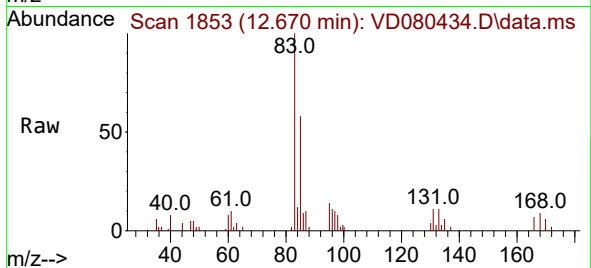
Tgt Ion: 83 Resp: 17512

Ion Ratio Lower Upper

83 100

85 58.0 44.0 81.8

131 10.9 8.9 13.3



#59

Bromoform

Concen: 5.45 ug/L

RT: 12.293 min Scan# 1789

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

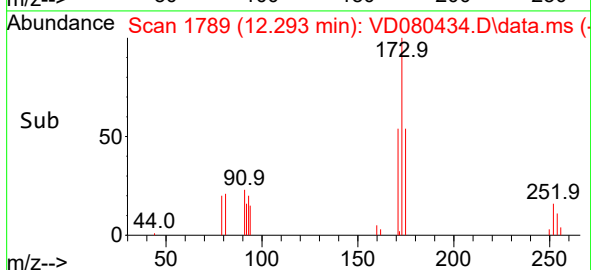
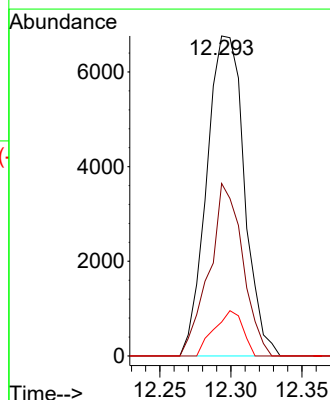
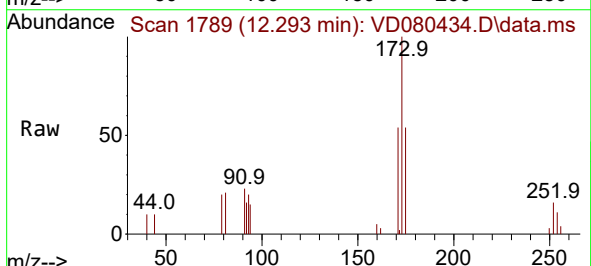
Tgt Ion: 173 Resp: 12420

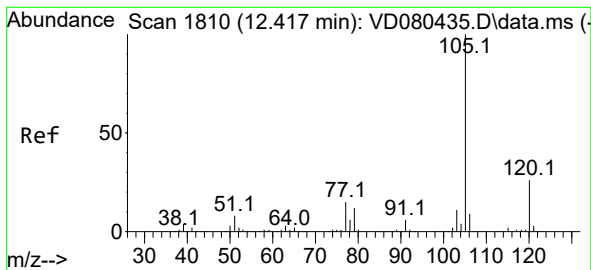
Ion Ratio Lower Upper

173 100

175 48.2 39.7 59.5

254 10.9 9.5 14.3





#60

Isopropylbenzene

Concen: 4.66 ug/L

RT: 12.417 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTD005877

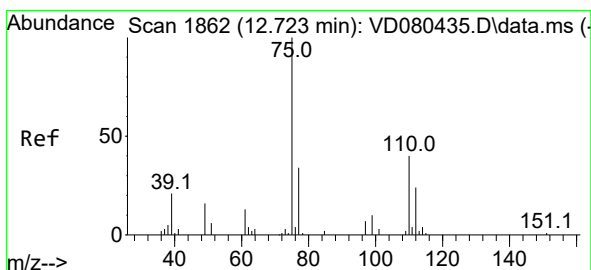
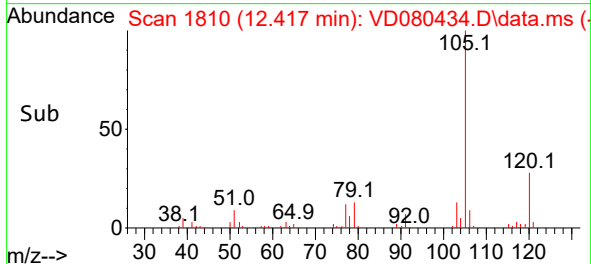
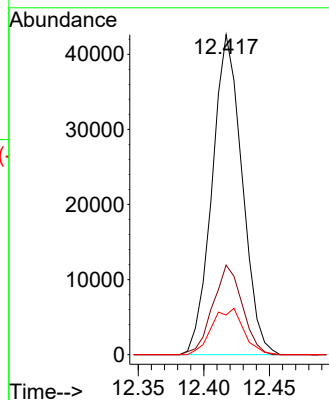
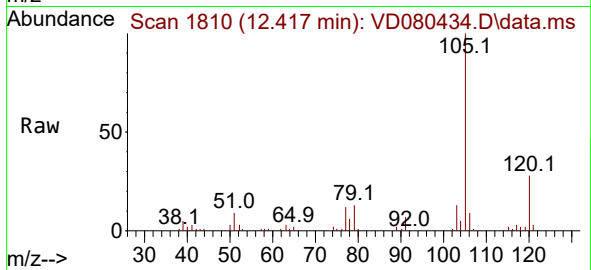
Tgt Ion:105 Resp: 67780

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.0

77 15.4 11.8 17.8



#61

1,2,3-Trichloropropane

Concen: 5.29 ug/L

RT: 12.723 min Scan# 1862

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

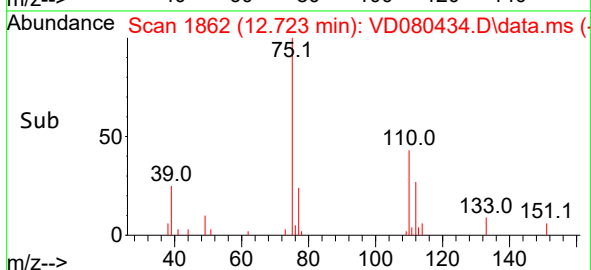
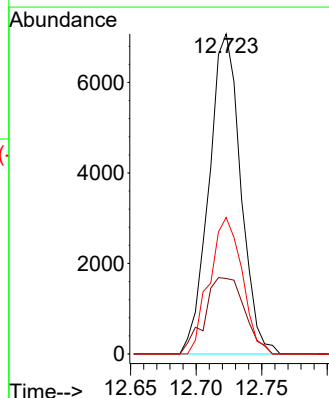
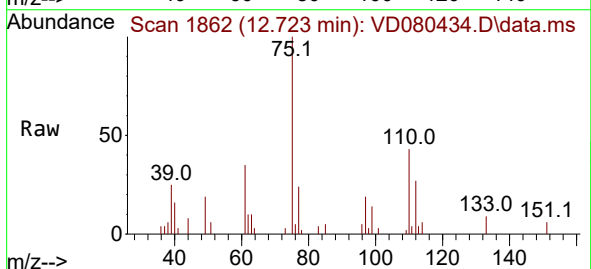
Tgt Ion: 75 Resp: 11930

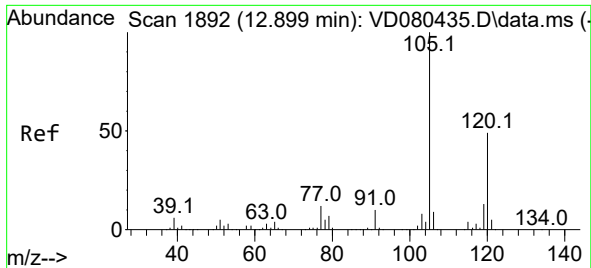
Ion Ratio Lower Upper

75 100

77 29.9 25.9 38.9

110 43.8 31.4 47.0

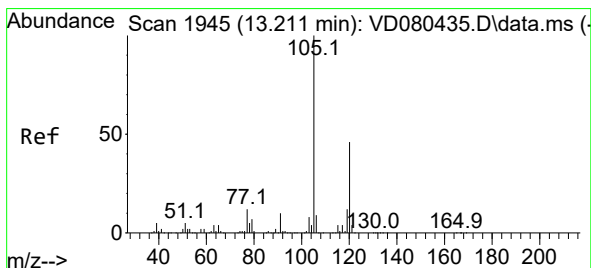
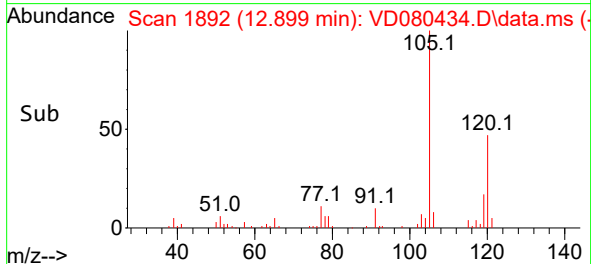
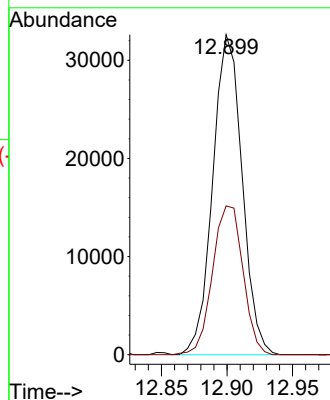
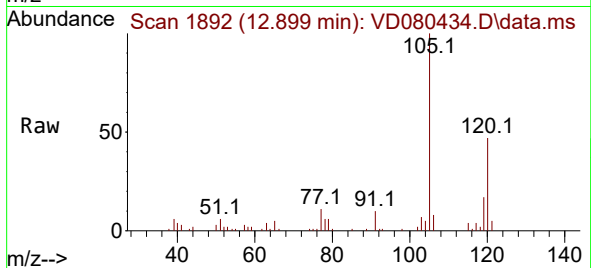




#62
 1,3,5-Trimethylbenzene
 Concen: 4.46 ug/L
 RT: 12.899 min Scan# 1892
 Delta R.T. -0.000 min
 Lab File: VD080434.D
 Acq: 13 Jun 2025 12:33

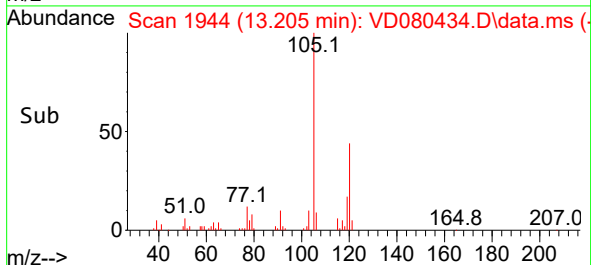
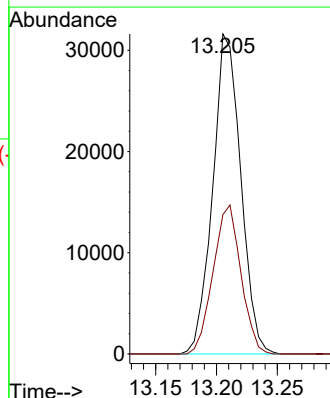
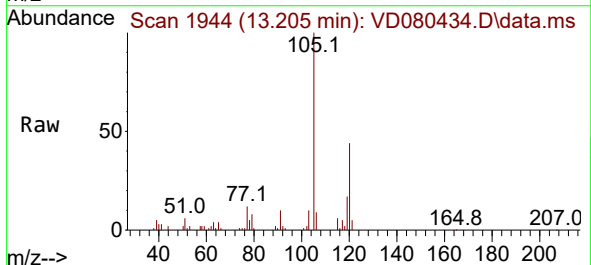
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005877

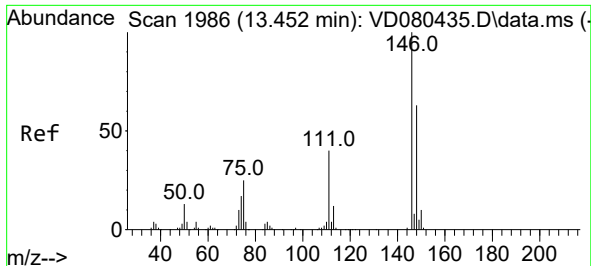
Tgt Ion:105 Resp: 50830
 Ion Ratio Lower Upper
 105 100
 120 48.2 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 4.48 ug/L
 RT: 13.205 min Scan# 1944
 Delta R.T. -0.006 min
 Lab File: VD080434.D
 Acq: 13 Jun 2025 12:33

Tgt Ion:105 Resp: 50645
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.3 55.9

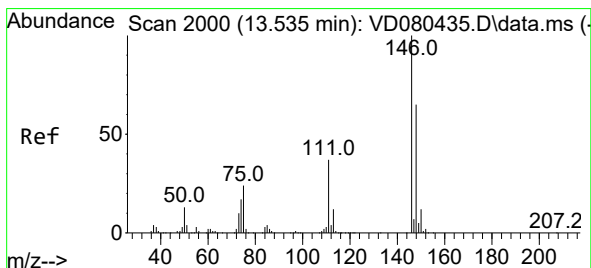
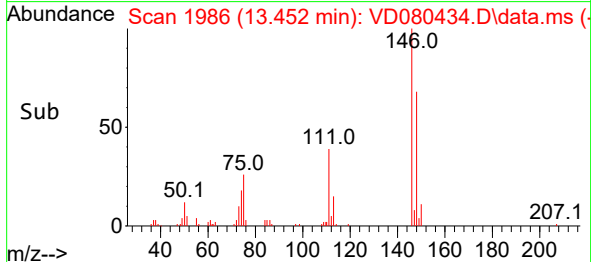
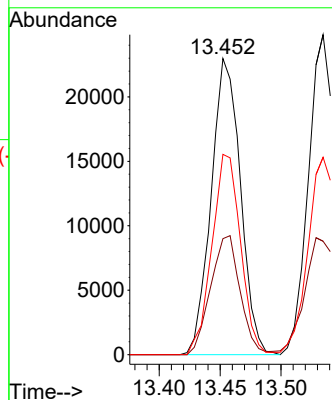
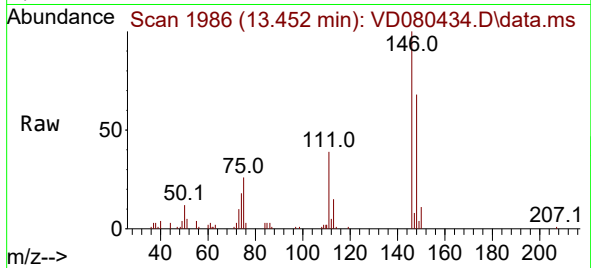




#64
1,3-Dichlorobenzene
Concen: 5.08 ug/L
RT: 13.452 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

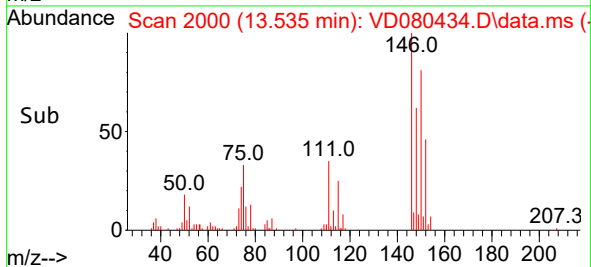
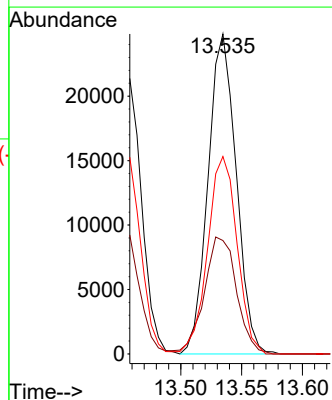
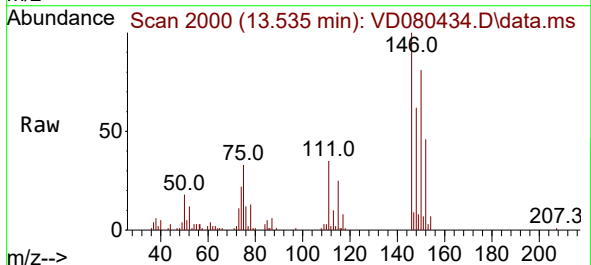
Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

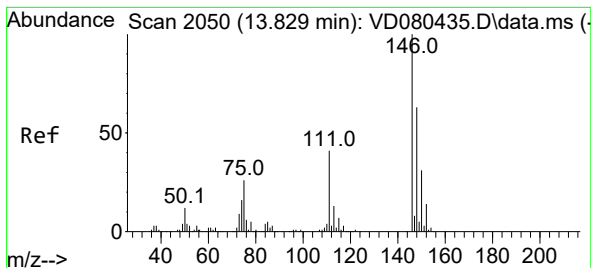
Tgt Ion:146 Resp: 38386
Ion Ratio Lower Upper
146 100
111 39.2 28.1 52.3
148 67.7 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 5.09 ug/L
RT: 13.535 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion:146 Resp: 39989
Ion Ratio Lower Upper
146 100
111 35.4 26.0 48.4
148 61.7 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 5.09 ug/L

RT: 13.829 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTD005877

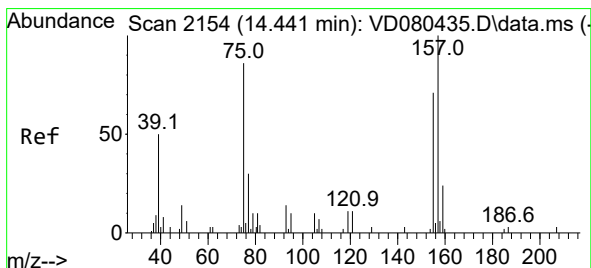
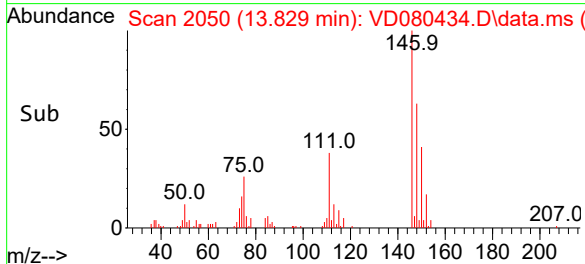
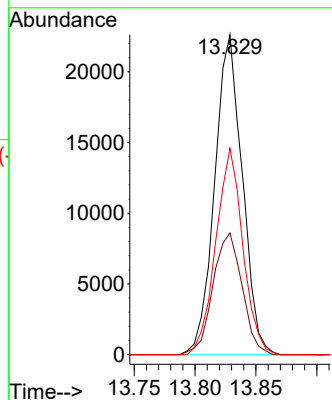
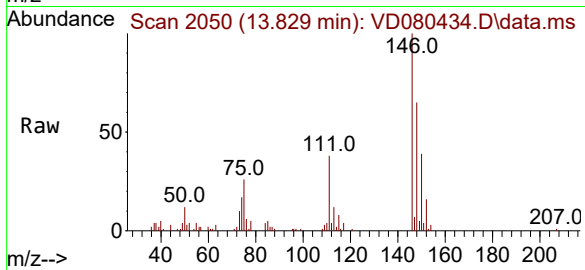
Tgt Ion:146 Resp: 35708

Ion Ratio Lower Upper

146 100

111 38.0 32.9 49.3

148 64.5 50.3 75.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.37 ug/L

RT: 14.440 min Scan# 2154

Delta R.T. -0.000 min

Lab File: VD080434.D

Acq: 13 Jun 2025 12:33

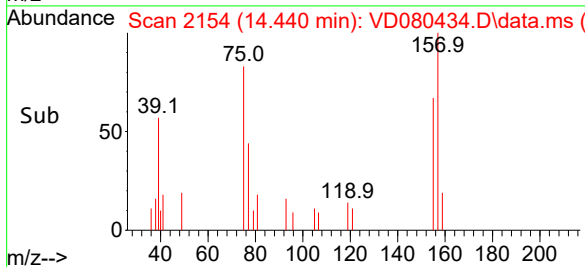
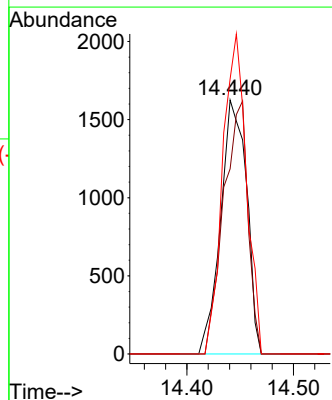
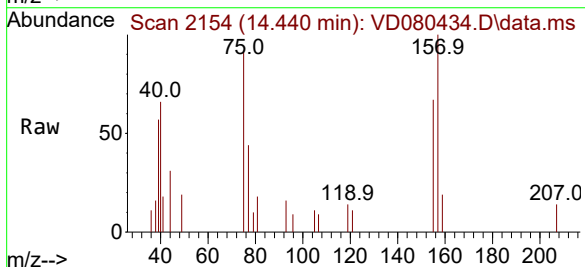
Tgt Ion: 75 Resp: 2748

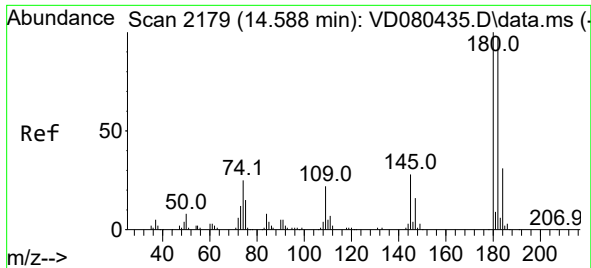
Ion Ratio Lower Upper

75 100

155 72.9 66.9 100.3

157 108.3 93.5 140.3

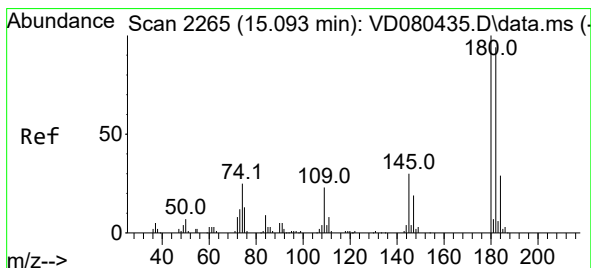
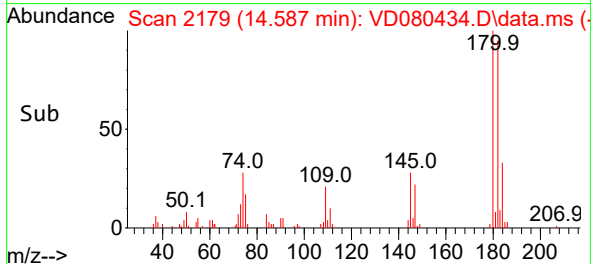
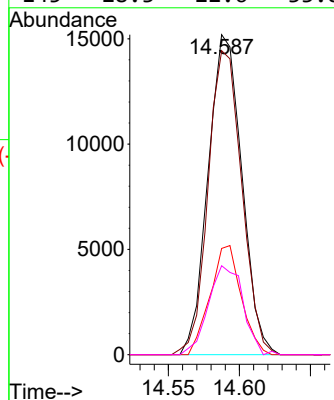
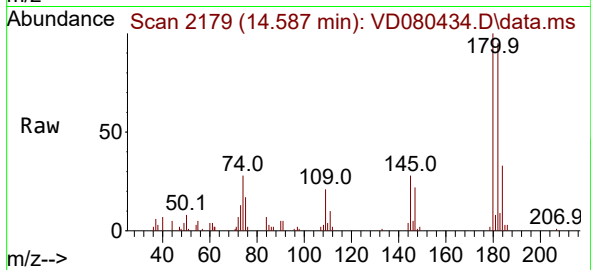




#69
 1,3,5-Trichlorobenzene
 Concen: 4.82 ug/L
 RT: 14.587 min Scan# 2179
 Delta R.T. -0.000 min
 Lab File: VD080434.D
 Acq: 13 Jun 2025 12:33

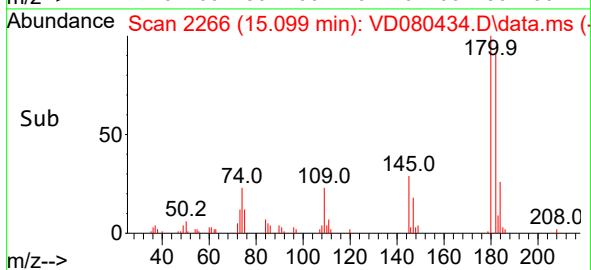
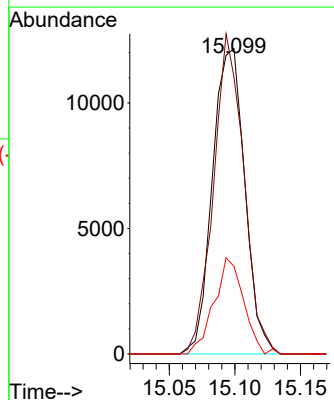
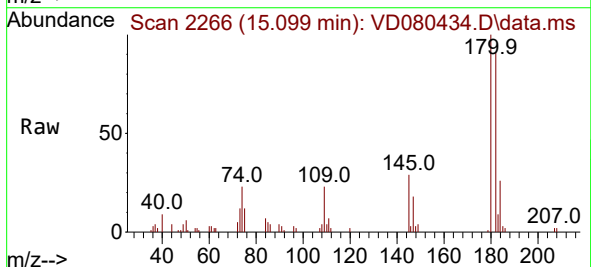
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005877

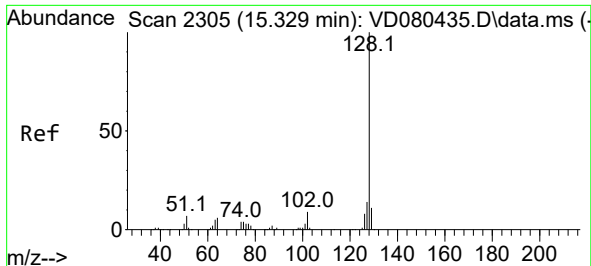
Tgt Ion:180	Resp:	25137
Ion Ratio	Lower	Upper
180	100	
182	94.4	76.3 114.5
184	31.5	25.1 37.7
145	28.3	22.6 33.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.77 ug/L
 RT: 15.099 min Scan# 2266
 Delta R.T. 0.006 min
 Lab File: VD080434.D
 Acq: 13 Jun 2025 12:33

Tgt Ion:180	Resp:	20896
Ion Ratio	Lower	Upper
180	100	
182	97.9	75.0 112.6
145	28.4	22.9 34.3

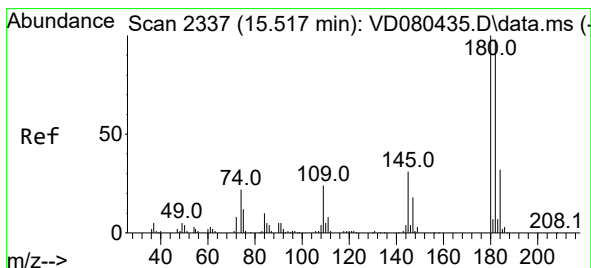
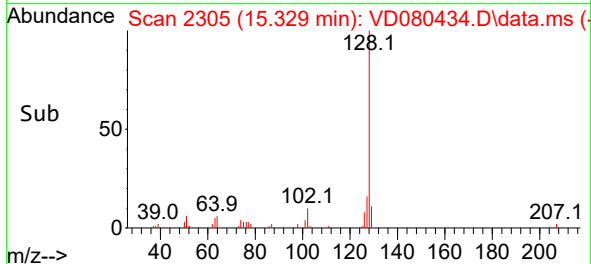
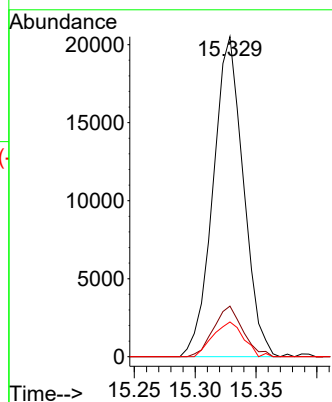
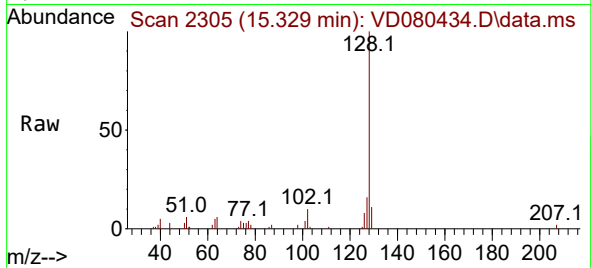




#71
Naphthalene
Concen: 4.55 ug/L
RT: 15.329 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTD005877

Tgt Ion:128 Resp: 35533
Ion Ratio Lower Upper
128 100
127 15.2 11.3 16.9
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 4.74 ug/L
RT: 15.517 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD080434.D
Acq: 13 Jun 2025 12:33

Tgt Ion:180 Resp: 19197
Ion Ratio Lower Upper
180 100
182 98.2 77.0 115.6
145 31.4 25.2 37.8

