

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061325\
 Data File : VD080436.D
 Acq On : 13 Jun 2025 13:26
 Operator : RP/MD
 Sample : VSTD050
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050879

Quant Time: Jun 16 09:49:32 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	253206	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.576	117	240555	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.511	152	132908	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	186906	42.99	ug/L	0.00
7) Chloroethane-d5	2.800	69	160333	43.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.917	65	67873	45.40	ug/L	0.00
21) 2-Butanone-d5	7.058	46	1243	1.64	ug/L	0.08
24) Chloroform-d	7.564	84	330905	45.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.229	65	163525	45.20	ug/L	0.00
32) Benzene-d6	8.200	84	649399	48.24	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.211	67	202191	46.85	ug/L	0.00
41) Toluene-d8	10.270	98	630709	49.85	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.523	79	90623	49.99	ug/L	0.00
47) 2-Hexanone-d5	10.876	63	66912	102.28	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.646	84	176847	46.29	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.811	152	231098	46.64	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	173594	42.49	ug/L	100
3) Chloromethane	2.147	50	164363	40.76	ug/L	100
5) Vinyl chloride	2.282	62	215389	45.06	ug/L	99
6) Bromomethane	2.694	94	120701	47.55	ug/L	94
8) Chloroethane	2.835	64	138977	43.22	ug/L	94
9) Trichlorofluoromethane	3.176	101	282754	44.57	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	177313	44.59	ug/L	98
12) 1,1-Dichloroethene	3.941	96	160604	46.72	ug/L	98
13) Acetone	4.023	43	60483	87.99	ug/L	96
14) Carbon disulfide	4.270	76	529084	45.47	ug/L	100
15) Methyl Acetate	4.564	43	74202	45.52	ug/L	96
16) Methylene chloride	4.800	84	192968	40.70	ug/L	94
17) trans-1,2-Dichloroethene	5.311	96	184330	47.81	ug/L	98
18) Methyl tert-butyl Ether	5.317	73	381546	50.61	ug/L #	91
19) 1,1-Dichloroethane	6.111	63	315074	46.97	ug/L	98
20) cis-1,2-Dichloroethene	7.082	96	205624	49.93	ug/L	98
22) 2-Butanone	7.082	43	95141	100.62	ug/L	98
23) Bromochloromethane	7.423	128	98365	46.75	ug/L	98
25) Chloroform	7.594	83	348353	46.72	ug/L	96
27) 1,2-Dichloroethane	8.323	62	199706	46.75	ug/L	99
29) Cyclohexane	7.876	56	281204	52.61	ug/L	100
30) 1,1,1-Trichloroethane	7.794	97	284429	47.04	ug/L	98
31) Carbon tetrachloride	7.994	117	258128	45.80	ug/L	100
33) Benzene	8.252	78	727580	49.19	ug/L	100
34) Trichloroethene	9.029	95	197561	47.74	ug/L	99
35) Methylcyclohexane	9.276	83	309536	50.71	ug/L	98
37) 1,2-Dichloropropane	9.305	63	192436	47.52	ug/L	100
38) Bromodichloromethane	9.582	83	252178	47.58	ug/L	99
39) cis-1,3-Dichloropropene	10.017	75	314470	52.05	ug/L	99
40) 4-Methyl-2-pentanone	10.158	43	215309	104.68	ug/L	100
42) Toluene	10.335	91	825247	50.88	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	264857	50.78	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061325\
 Data File : VD080436.D
 Acq On : 13 Jun 2025 13:26
 Operator : RP/MD
 Sample : VSTD050
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050879

Quant Time: Jun 16 09:49:32 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

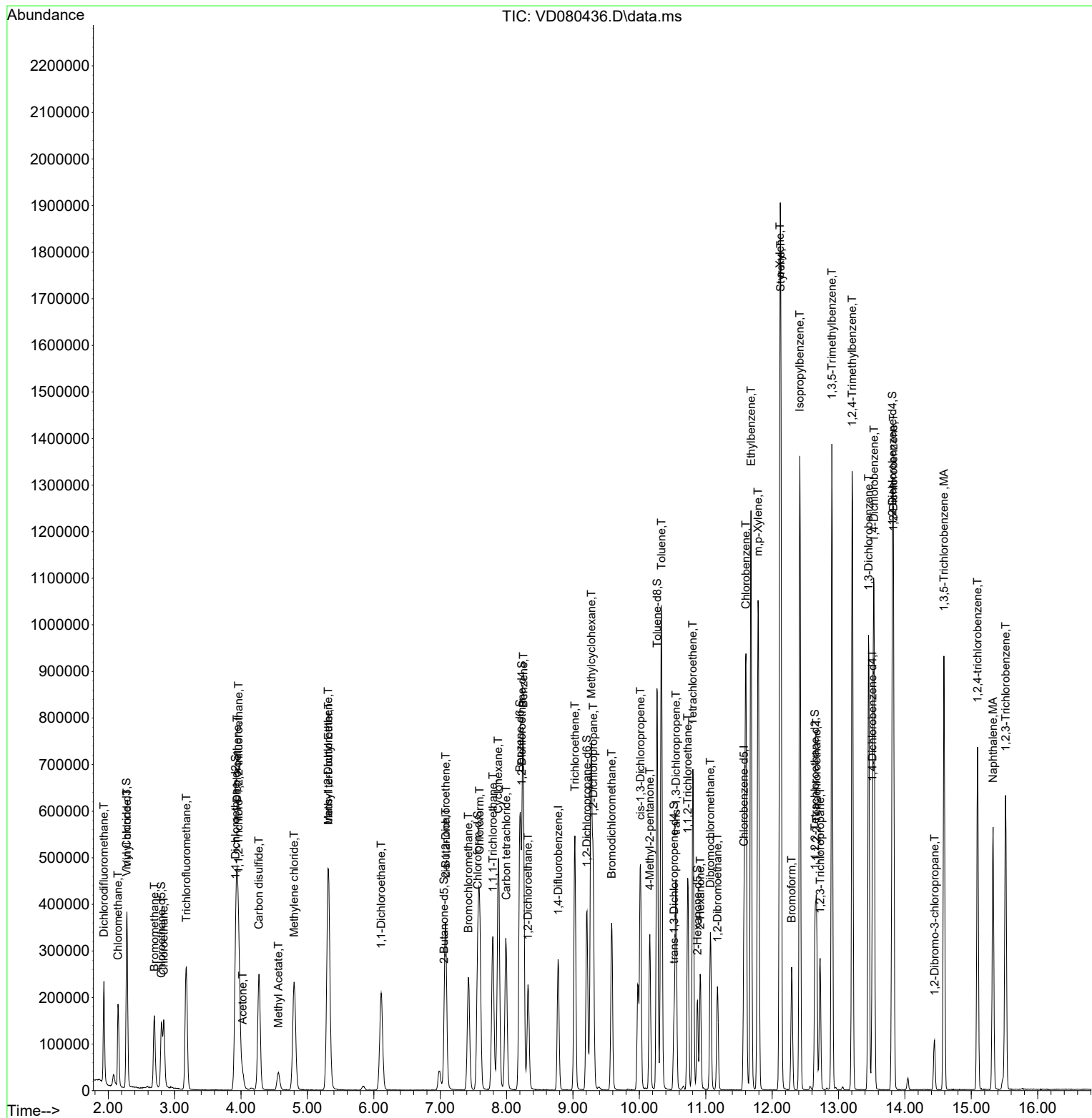
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.729	97	155847	47.05	ug/L	97
46) Tetrachloroethene	10.805	164	172828	47.87	ug/L	94
48) 2-Hexanone	10.917	43	156990	104.30	ug/L	97
49) Dibromochloromethane	11.070	129	187705	47.67	ug/L	96
50) 1,2-Dibromoethane	11.176	107	152509	48.90	ug/L	99
51) Chlorobenzene	11.605	112	531049	47.89	ug/L	98
52) Ethylbenzene	11.682	91	897228	51.39	ug/L	100
53) m,p-Xylene	11.788	106	355230	52.62	ug/L	95
54) o-Xylene	12.117	106	342185	52.84	ug/L	97
55) Styrene	12.129	104	611319	52.94	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.670	83	182828	47.71	ug/L	98
59) Bromoform	12.293	173	129507	46.76	ug/L	98
60) Isopropylbenzene	12.417	105	900398	50.92	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	123454	45.09	ug/L	98
62) 1,3,5-Trimethylbenzene	12.899	105	725113	52.38	ug/L	100
63) 1,2,4-Trimethylbenzene	13.205	105	725883	52.86	ug/L	100
64) 1,3-Dichlorobenzene	13.452	146	442660	48.19	ug/L	98
65) 1,4-Dichlorobenzene	13.535	146	453363	47.50	ug/L	99
67) 1,2-Dichlorobenzene	13.829	146	407580	47.81	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.446	75	28212	45.36	ug/L	94
69) 1,3,5-Trichlorobenzene	14.587	180	309955	48.96	ug/L	98
70) 1,2,4-trichlorobenzene	15.093	180	259589	48.78	ug/L	99
71) Naphthalene	15.329	128	492298	51.84	ug/L	99
72) 1,2,3-Trichlorobenzene	15.517	180	240994	48.99	ug/L	100

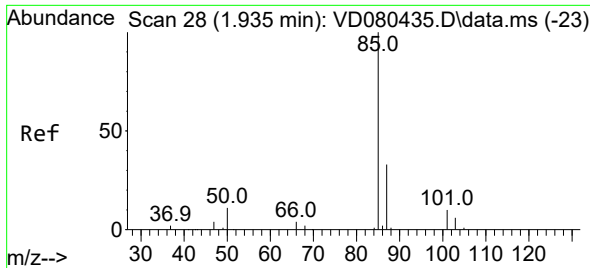
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061325\
Data File : VD080436.D
Acq On : 13 Jun 2025 13:26
Operator : RP/MD
Sample : VSTD050
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

Quant Time: Jun 16 09:49:32 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

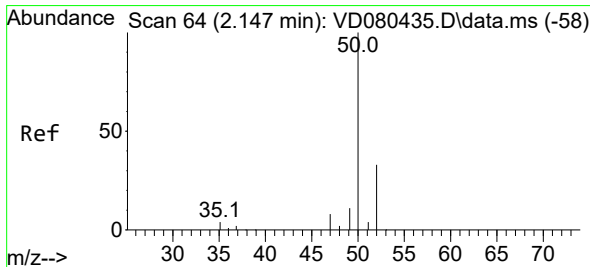
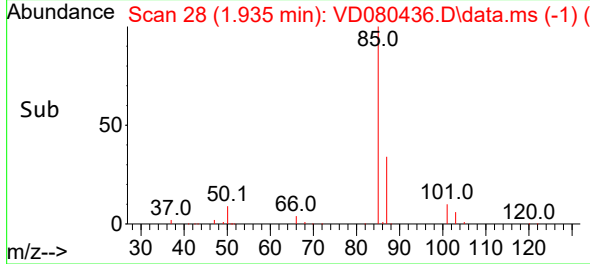
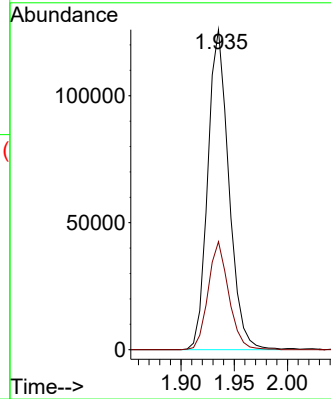
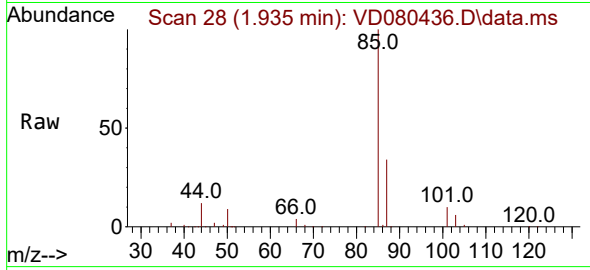




#2
Dichlorodifluoromethane
Concen: 42.49 ug/L
RT: 1.935 min Scan# 28
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

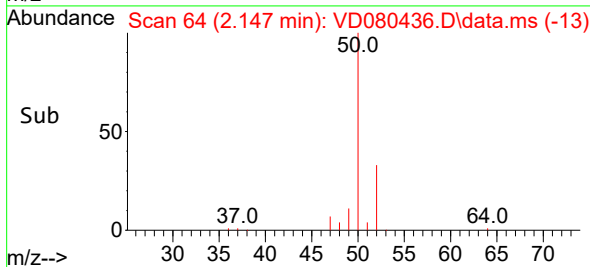
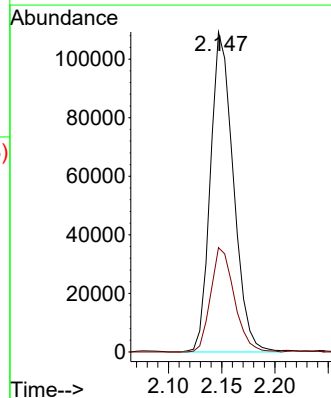
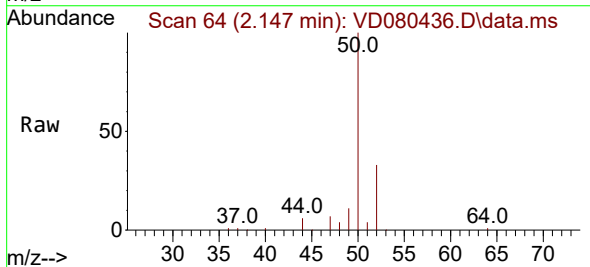
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

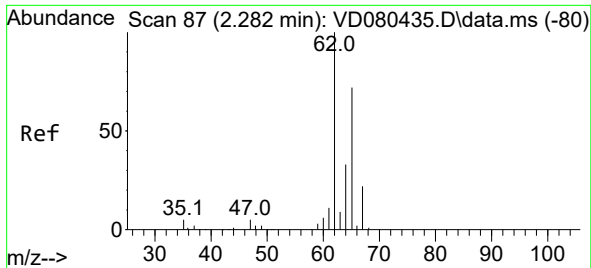
Tgt Ion: 85 Resp: 173594
Ion Ratio Lower Upper
85 100
87 33.0 26.2 39.4



#3
Chloromethane
Concen: 40.76 ug/L
RT: 2.147 min Scan# 64
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion: 50 Resp: 164363
Ion Ratio Lower Upper
50 100
52 32.6 22.9 42.5

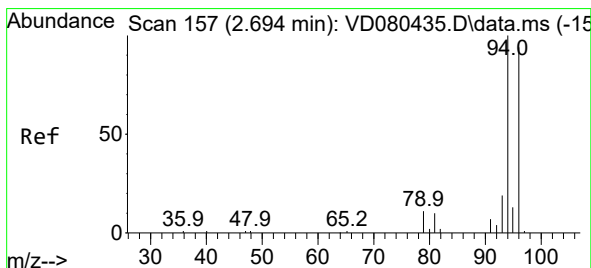
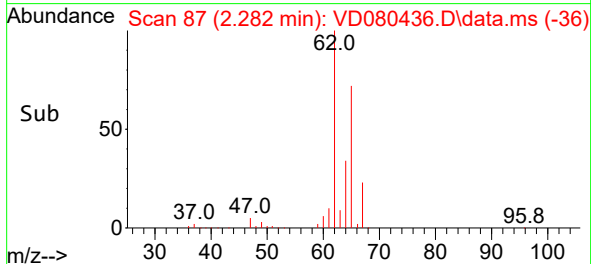
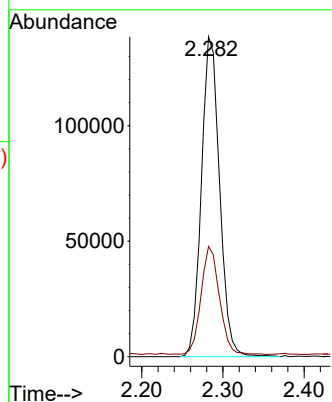
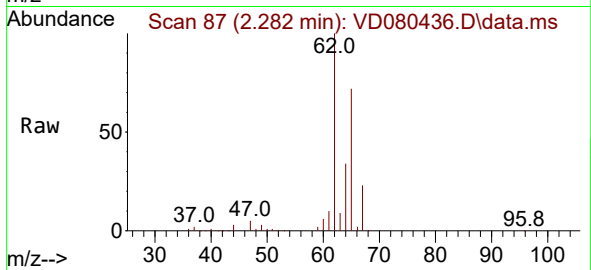




#5
 Vinyl chloride
 Concen: 45.06 ug/L
 RT: 2.282 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VD080436.D
 Acq: 13 Jun 2025 13:26

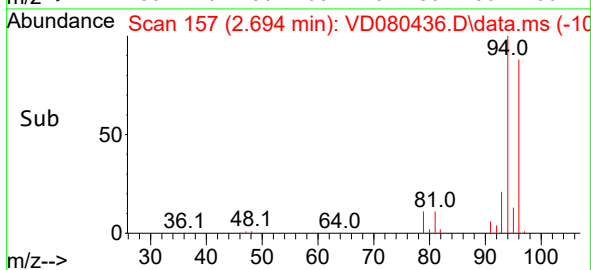
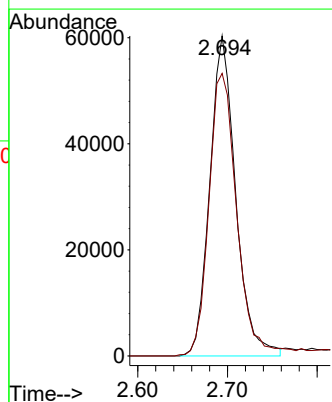
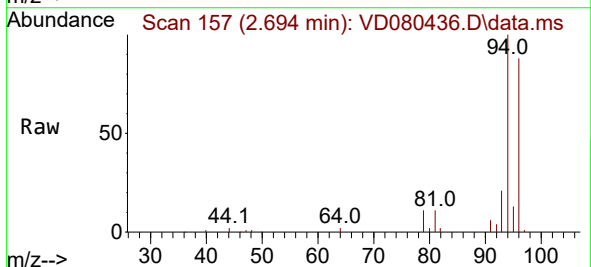
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050879

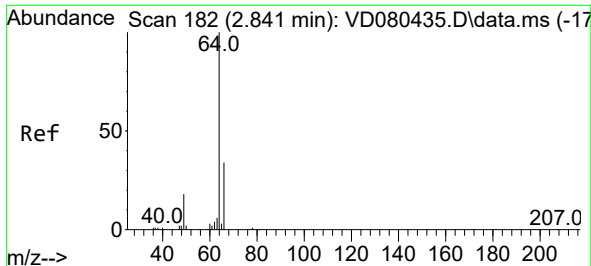
Tgt Ion: 62 Resp: 215389
 Ion Ratio Lower Upper
 62 100
 64 34.5 24.4 45.4



#6
 Bromomethane
 Concen: 47.55 ug/L
 RT: 2.694 min Scan# 157
 Delta R.T. -0.000 min
 Lab File: VD080436.D
 Acq: 13 Jun 2025 13:26

Tgt Ion: 94 Resp: 120701
 Ion Ratio Lower Upper
 94 100
 96 88.3 65.5 121.7

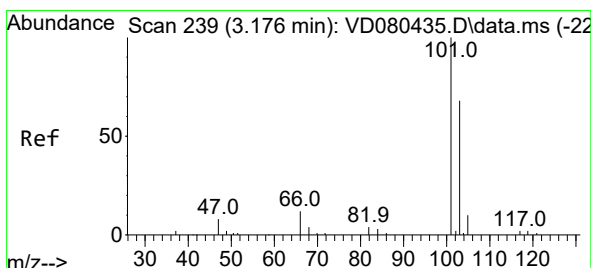
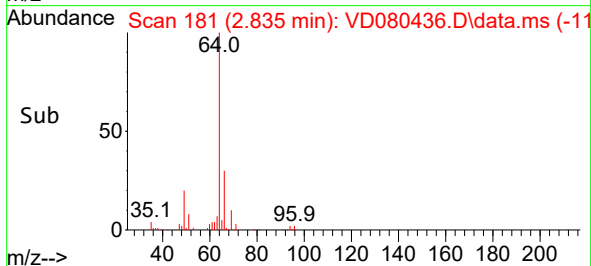
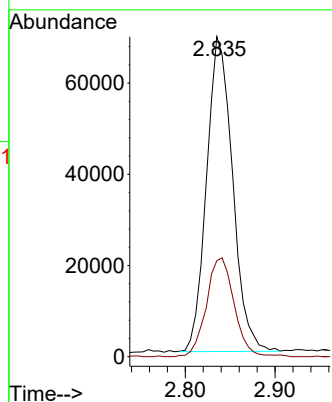
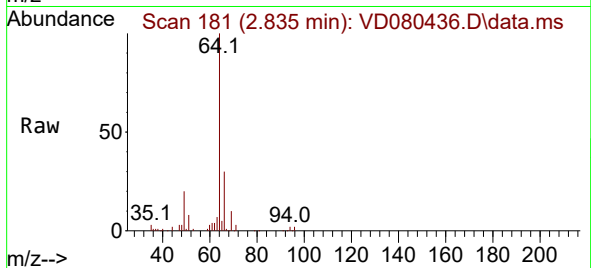




#8
Chloroethane
Concen: 43.22 ug/L
RT: 2.835 min Scan# 181
Delta R.T. -0.006 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

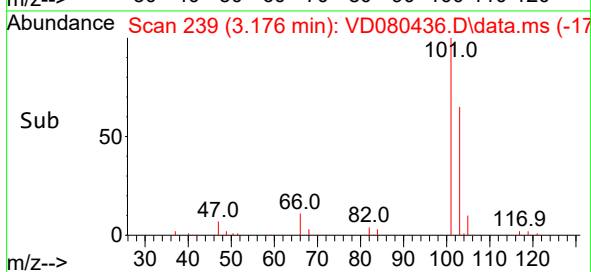
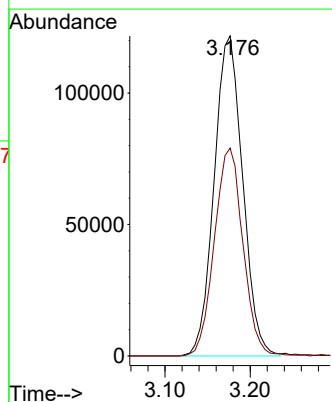
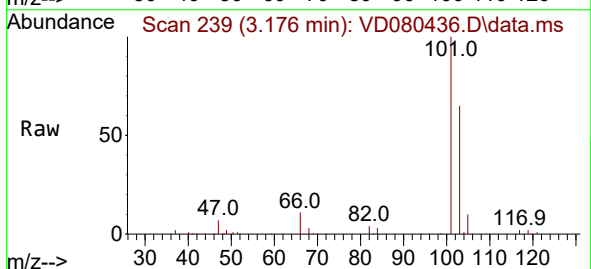
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

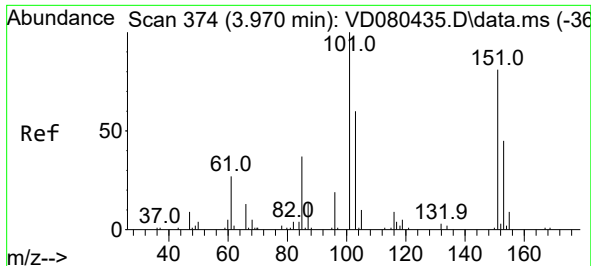
Tgt Ion: 64 Resp: 138977
Ion Ratio Lower Upper
64 100
66 30.0 23.3 43.3



#9
Trichlorofluoromethane
Concen: 44.57 ug/L
RT: 3.176 min Scan# 239
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion:101 Resp: 282754
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.0

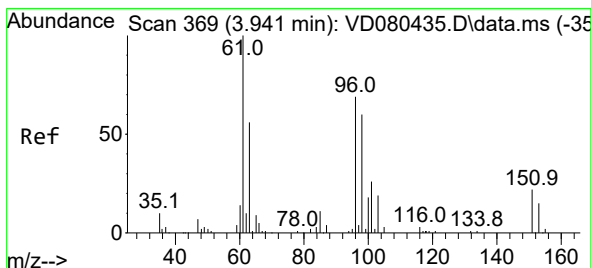
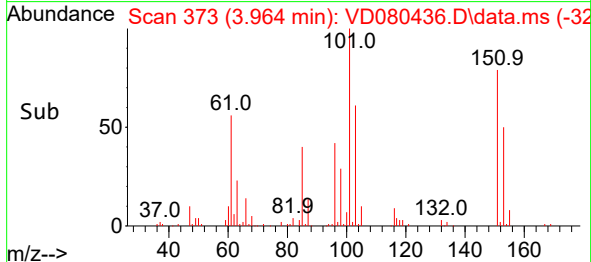
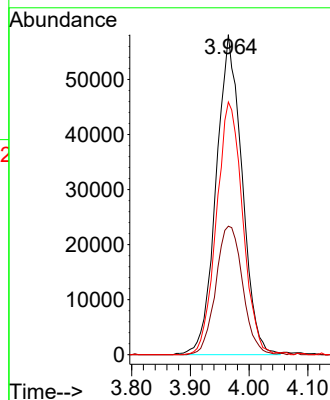
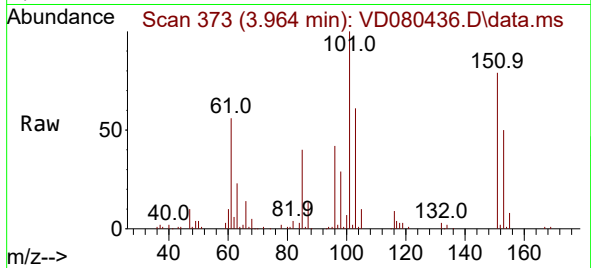




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.59 ug/L
RT: 3.964 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

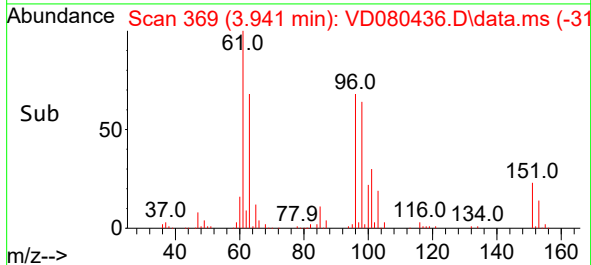
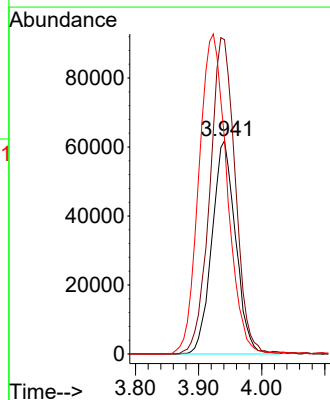
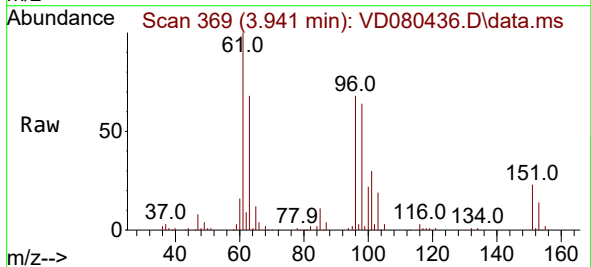
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

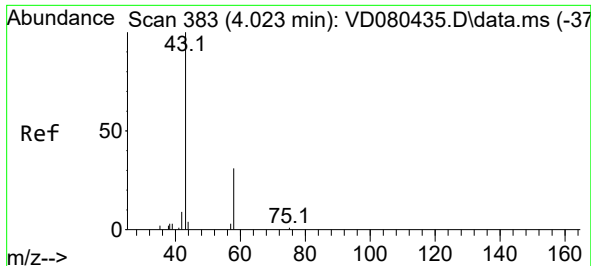
Tgt Ion:101 Resp: 177313
Ion Ratio Lower Upper
101 100
85 41.8 33.3 49.9
151 80.1 66.3 99.5



#12
1,1-Dichloroethene
Concen: 46.72 ug/L
RT: 3.941 min Scan# 369
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion: 96 Resp: 160604
Ion Ratio Lower Upper
96 100
61 147.3 103.0 191.2
63 100.8 66.8 124.0





#13

Acetone

Concen: 87.99 ug/L

RT: 4.023 min Scan# 383

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

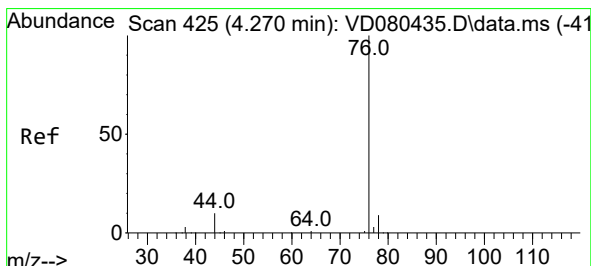
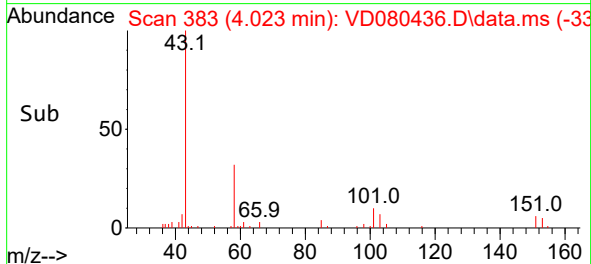
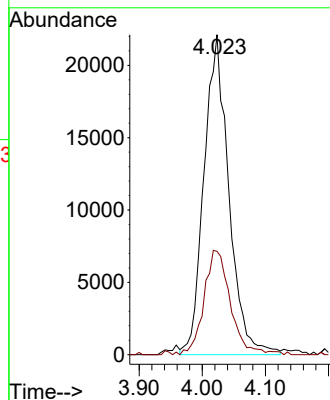
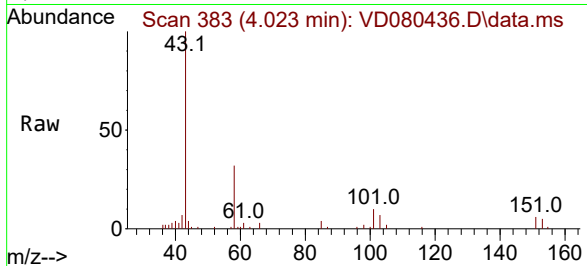
VSTD050879

Tgt Ion: 43 Resp: 60483

Ion Ratio Lower Upper

43 100

58 34.3 0.0 64.4



#14

Carbon disulfide

Concen: 45.47 ug/L

RT: 4.270 min Scan# 425

Delta R.T. -0.000 min

Lab File: VD080436.D

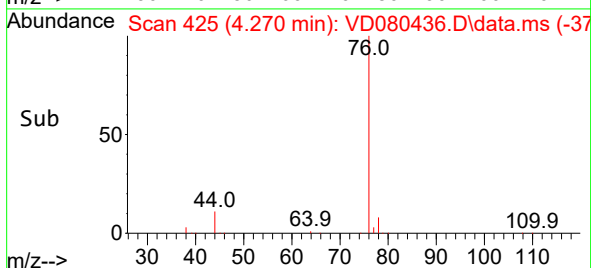
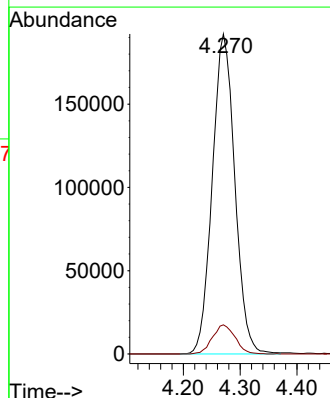
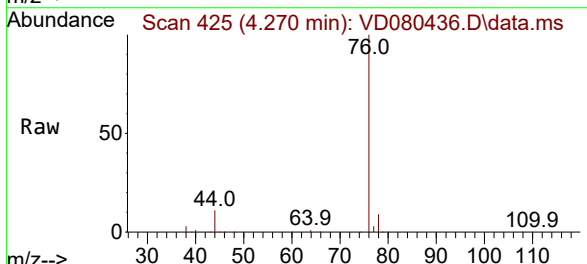
Acq: 13 Jun 2025 13:26

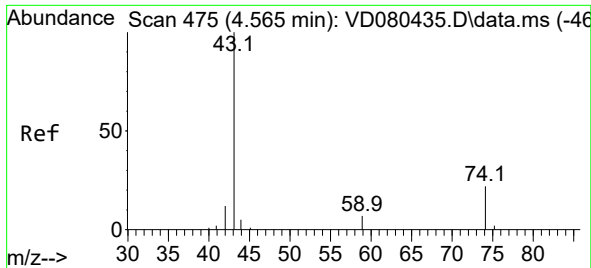
Tgt Ion: 76 Resp: 529084

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

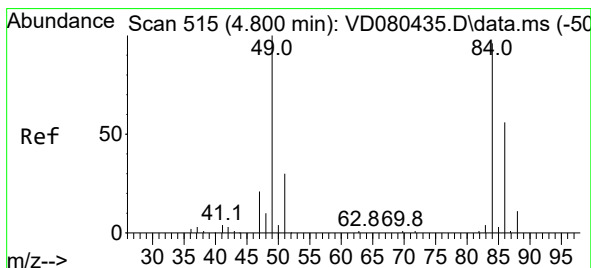
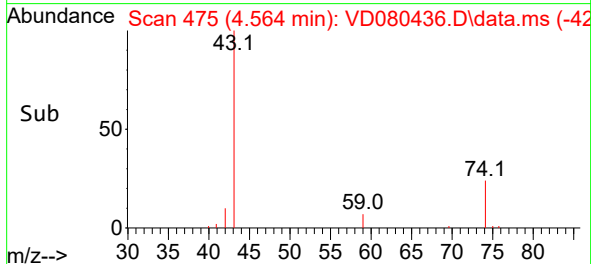
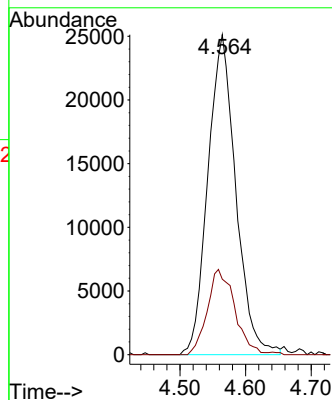
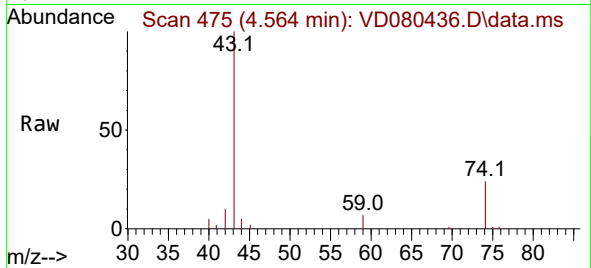




#15
Methyl Acetate
Concen: 45.52 ug/L
RT: 4.564 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

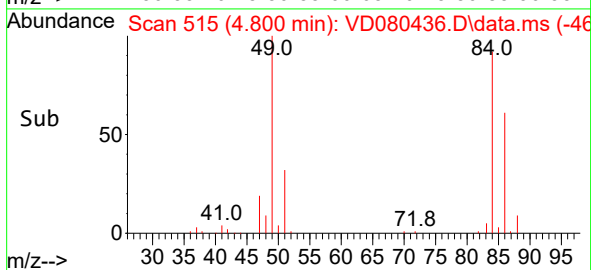
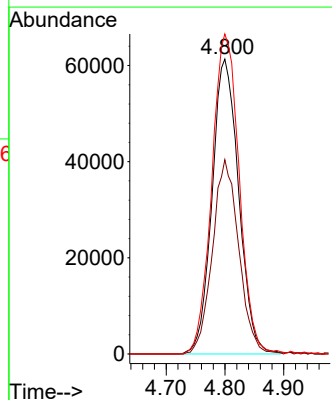
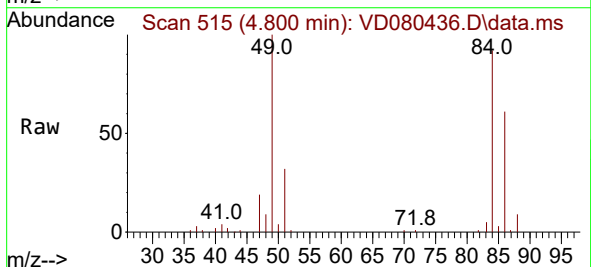
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

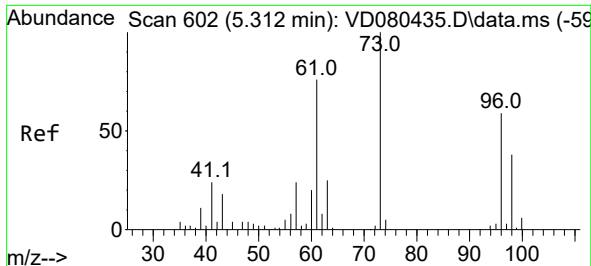
Tgt Ion: 43 Resp: 74202
Ion Ratio Lower Upper
43 100
74 26.2 19.2 28.8



#16
Methylene chloride
Concen: 40.70 ug/L
RT: 4.800 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion: 84 Resp: 192968
Ion Ratio Lower Upper
84 100
86 65.9 40.9 75.9
49 108.5 72.8 135.2





#17

trans-1,2-Dichloroethene

Concen: 47.81 ug/L

RT: 5.311 min Scan# 602

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD050879

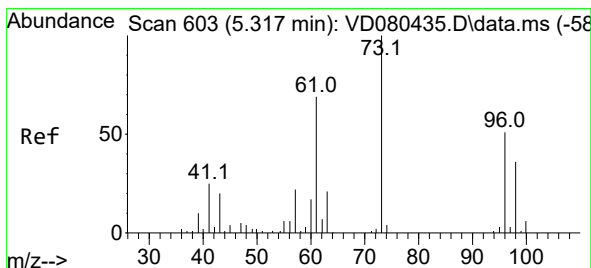
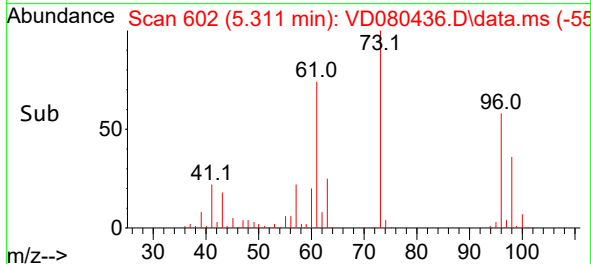
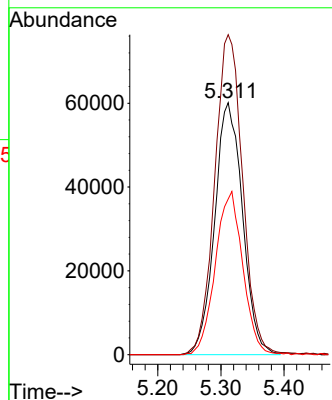
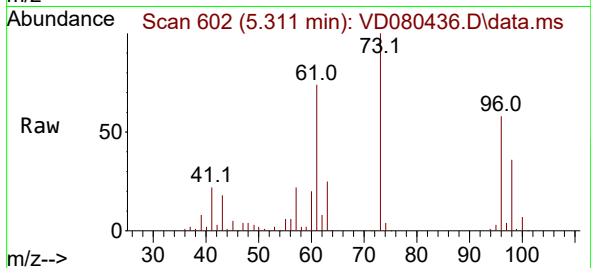
Tgt Ion: 96 Resp: 184330

Ion Ratio Lower Upper

96 100

61 127.0 89.9 167.0

98 61.8 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 50.61 ug/L

RT: 5.317 min Scan# 603

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

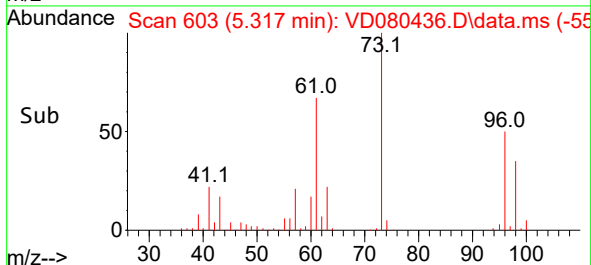
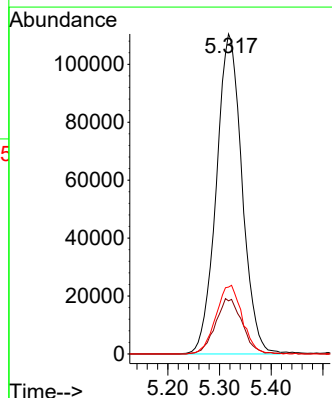
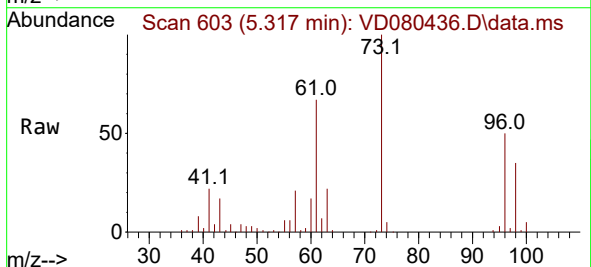
Tgt Ion: 73 Resp: 381546

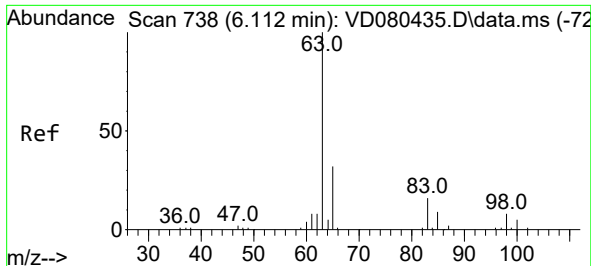
Ion Ratio Lower Upper

73 100

43 17.8 14.6 22.0

57 21.9 11.2 16.8#





#19

1,1-Dichloroethane

Concen: 46.97 ug/L

RT: 6.111 min Scan# 71

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD050879

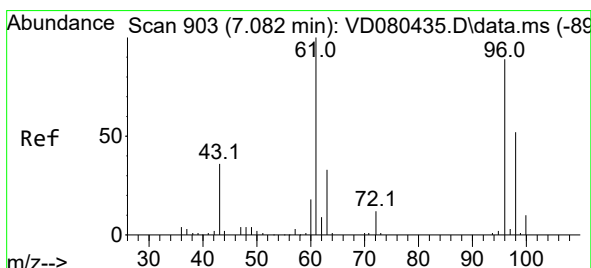
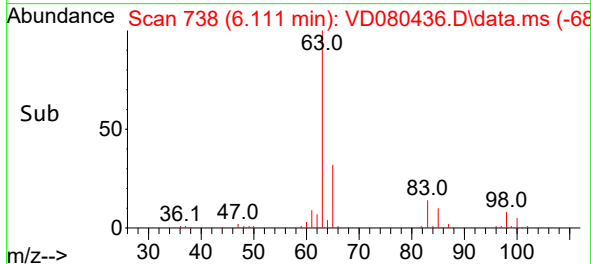
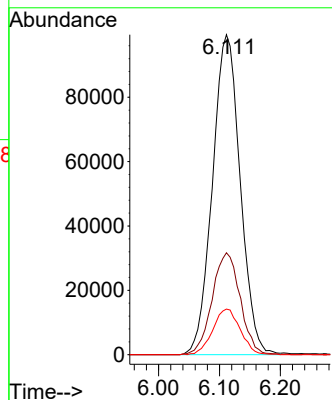
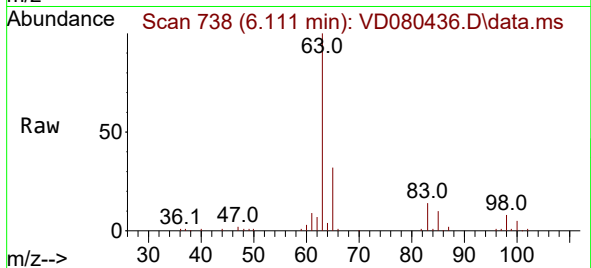
Tgt Ion: 63 Resp: 315074

Ion Ratio Lower Upper

63 100

65 31.8 22.1 41.1

83 14.3 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 49.93 ug/L

RT: 7.082 min Scan# 903

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

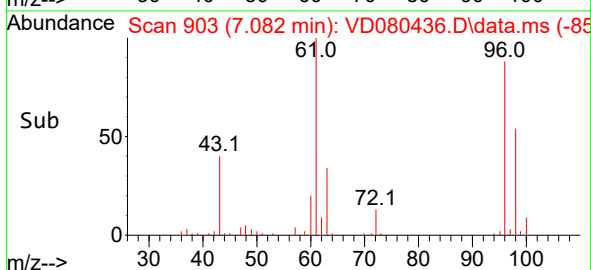
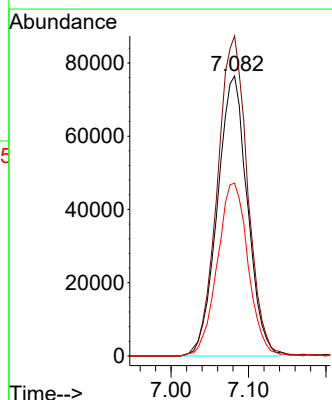
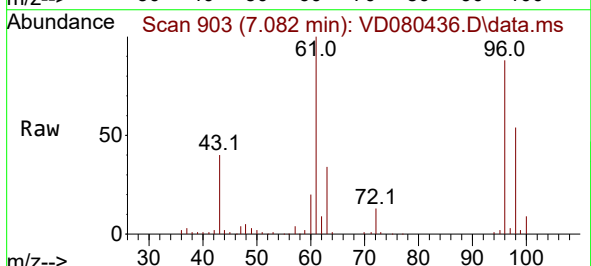
Tgt Ion: 96 Resp: 205624

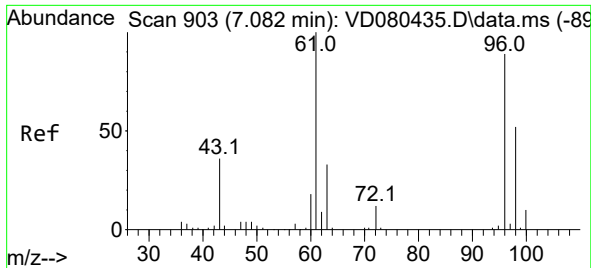
Ion Ratio Lower Upper

96 100

61 114.3 79.2 147.2

98 61.7 41.3 76.7

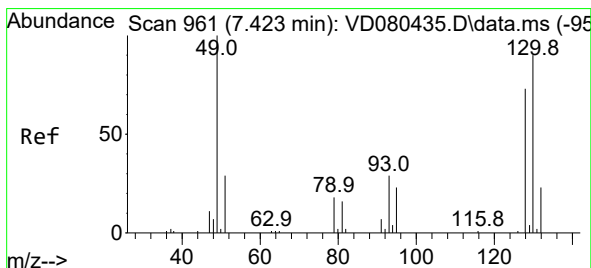
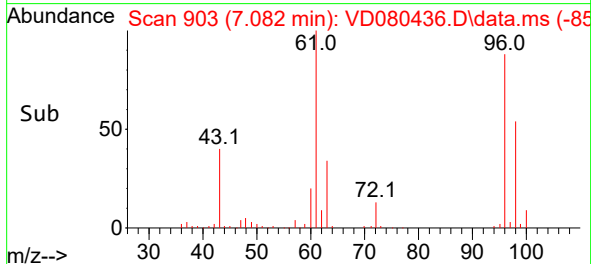
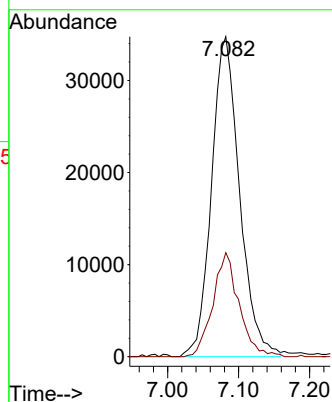
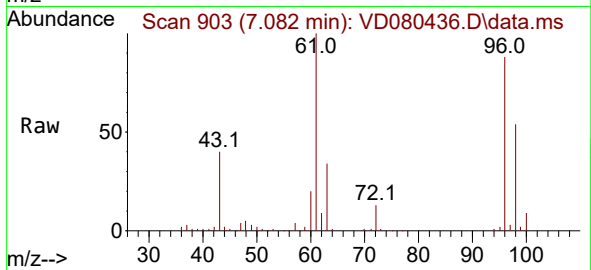




#22
2-Butanone
Concen: 100.62 ug/L
RT: 7.082 min Scan# 903
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

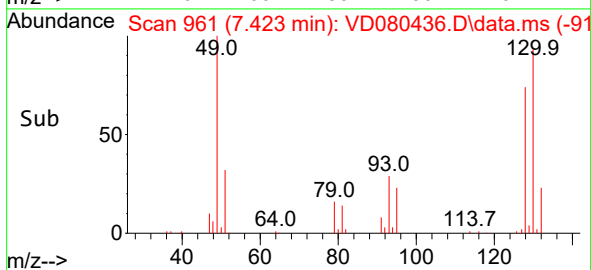
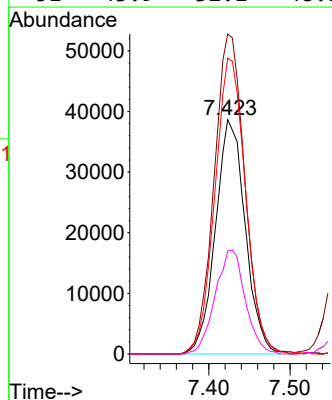
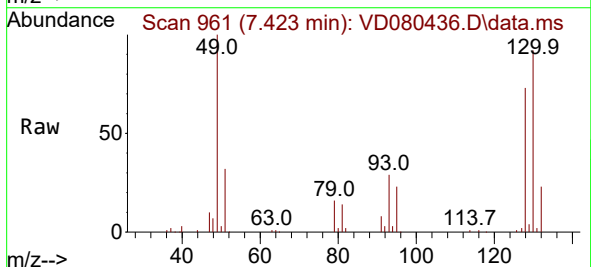
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

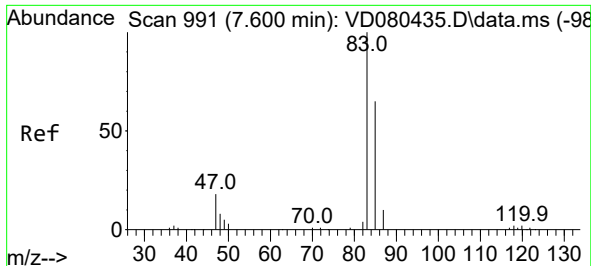
Tgt Ion: 43 Resp: 95141
Ion Ratio Lower Upper
43 100
72 29.9 14.4 43.2



#23
Bromochloromethane
Concen: 46.75 ug/L
RT: 7.423 min Scan# 961
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion:128 Resp: 98365
Ion Ratio Lower Upper
128 100
49 136.6 97.5 181.1
130 126.2 87.5 162.5
51 43.9 32.1 48.1

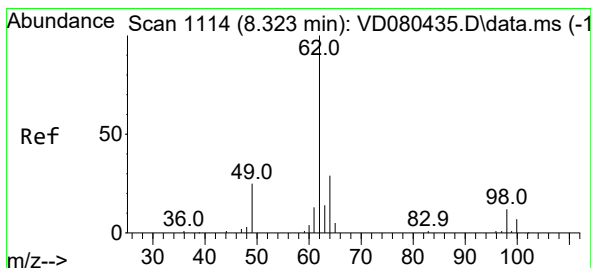
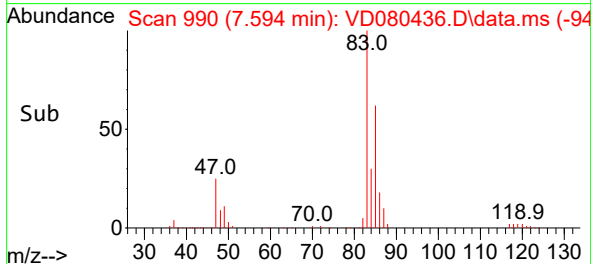
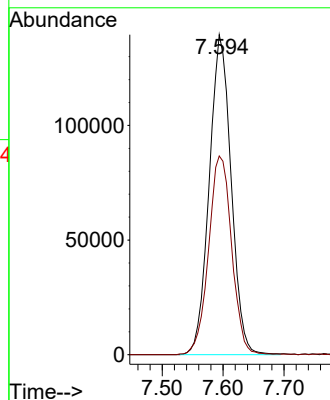
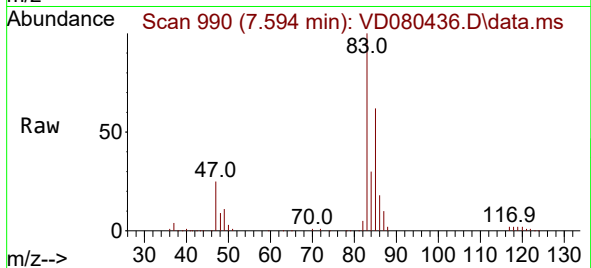




#25
Chloroform
Concen: 46.72 ug/L
RT: 7.594 min Scan# 991
Delta R.T. -0.006 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

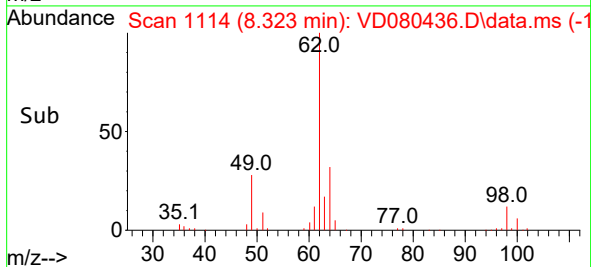
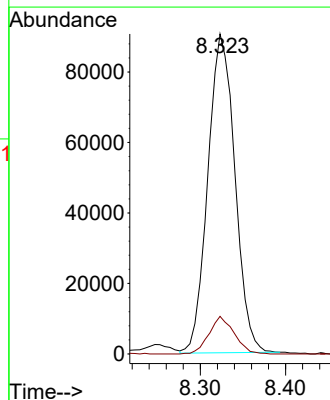
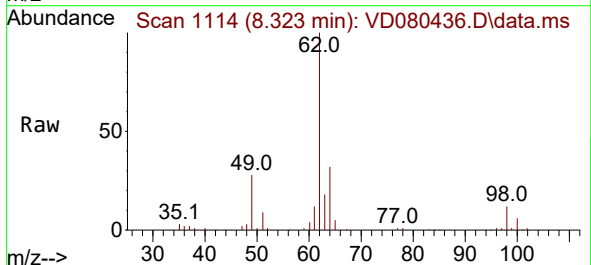
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

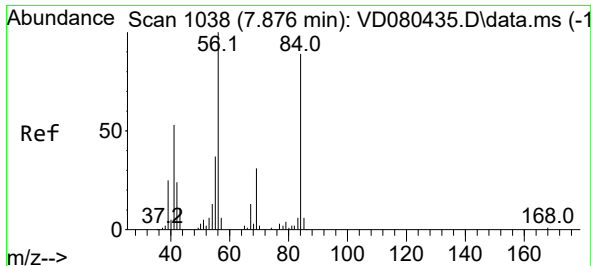
Tgt Ion: 83 Resp: 348353
Ion Ratio Lower Upper
83 100
85 62.1 45.8 85.0



#27
1,2-Dichloroethane
Concen: 46.75 ug/L
RT: 8.323 min Scan# 1114
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion: 62 Resp: 199706
Ion Ratio Lower Upper
62 100
98 11.8 9.7 14.5





#29

Cyclohexane

Concen: 52.61 ug/L

RT: 7.876 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD050879

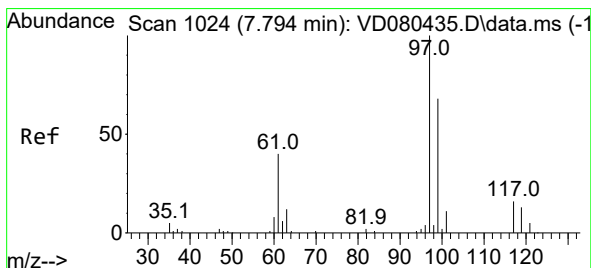
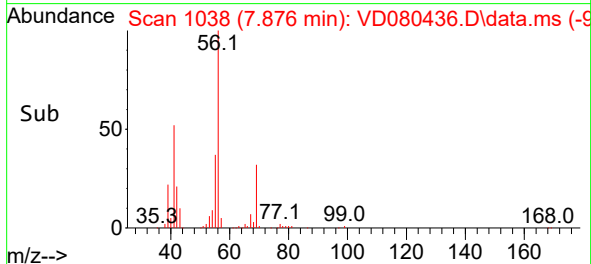
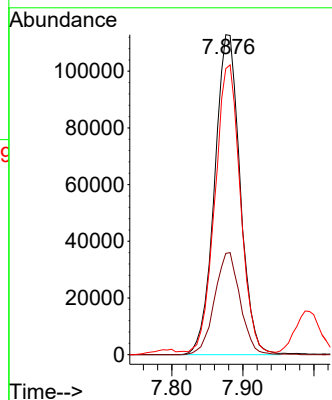
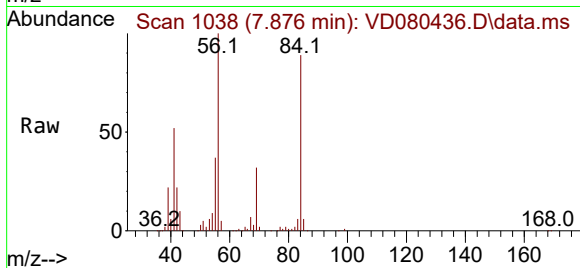
Tgt Ion: 56 Resp: 281204

Ion Ratio Lower Upper

56 100

69 31.9 25.4 38.0

84 90.7 72.4 108.6



#30

1,1,1-Trichloroethane

Concen: 47.04 ug/L

RT: 7.794 min Scan# 1024

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

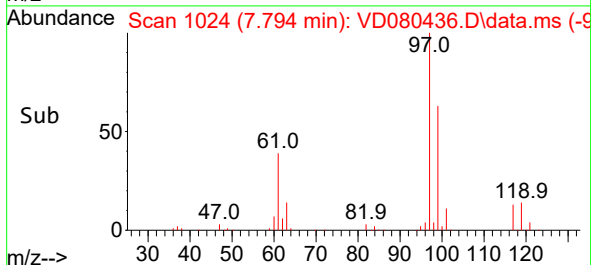
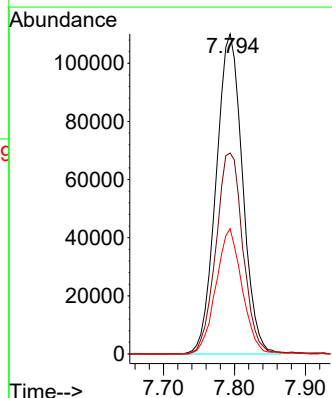
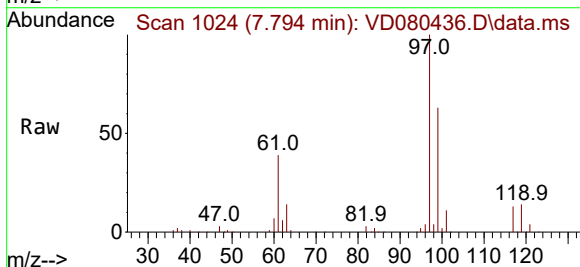
Tgt Ion: 97 Resp: 284429

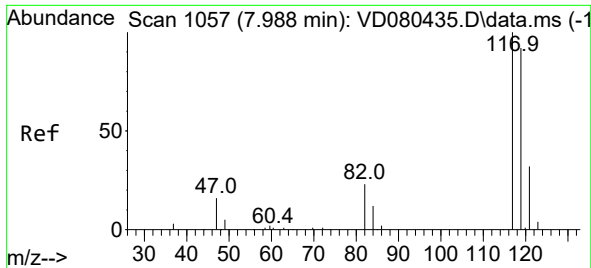
Ion Ratio Lower Upper

97 100

99 64.1 52.6 79.0

61 38.5 32.0 48.0

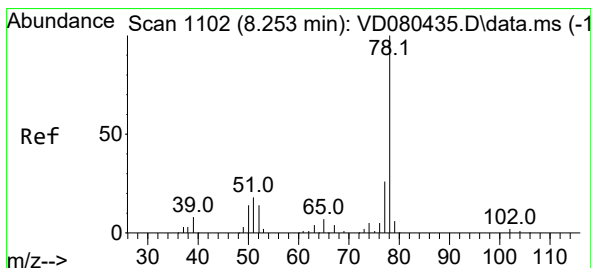
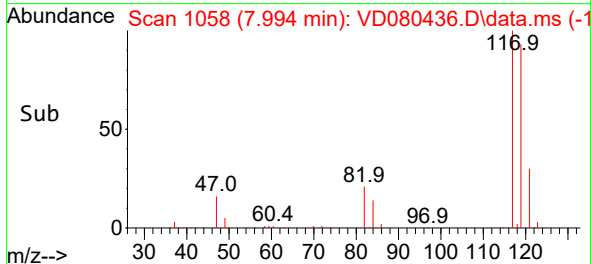
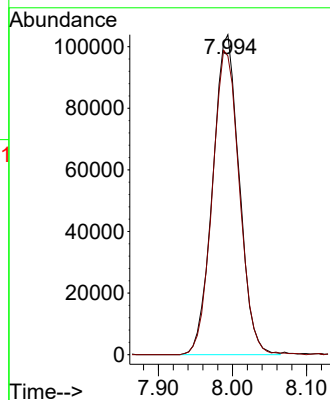
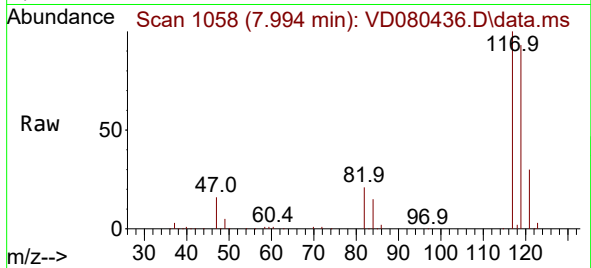




#31
Carbon tetrachloride
Concen: 45.80 ug/L
RT: 7.994 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

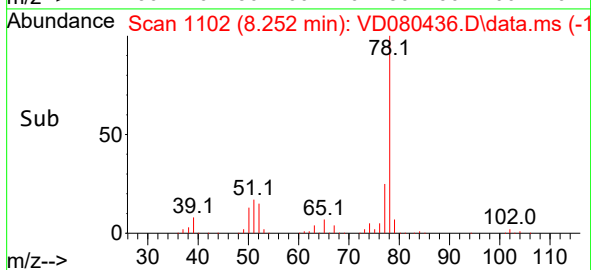
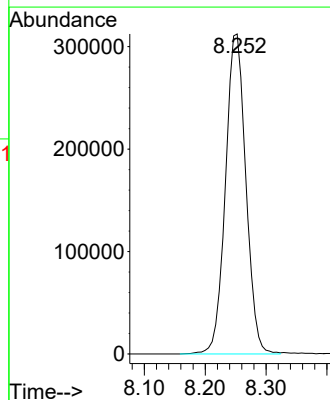
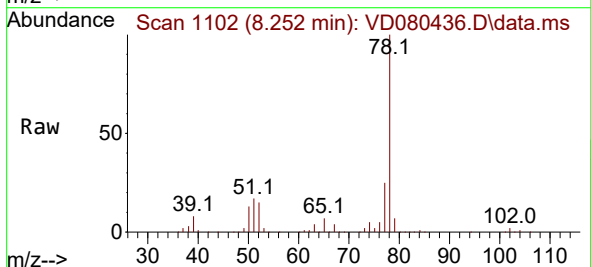
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

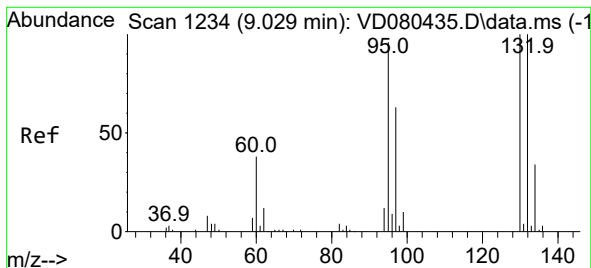
Tgt Ion:117 Resp: 258128
Ion Ratio Lower Upper
117 100
119 96.7 77.0 115.6



#33
Benzene
Concen: 49.19 ug/L
RT: 8.252 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion: 78 Resp: 727580





#34

Trichloroethene

Concen: 47.74 ug/L

RT: 9.029 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD050879

Tgt Ion: 95 Resp: 197561

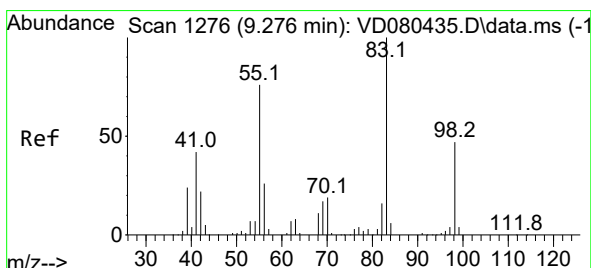
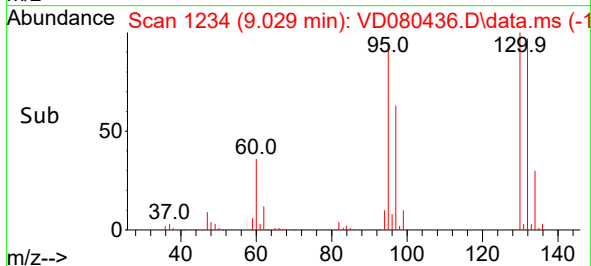
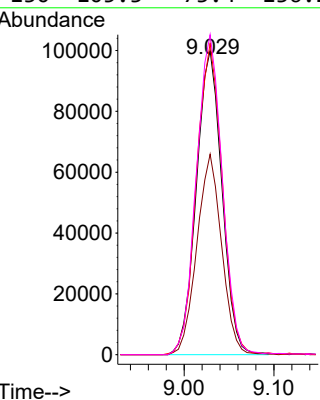
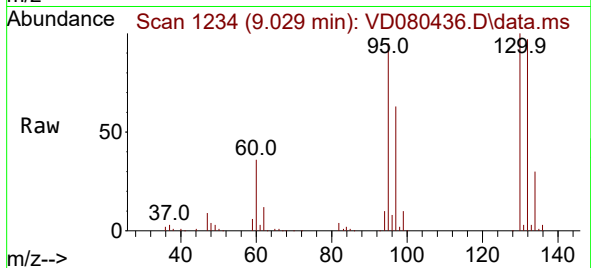
Ion Ratio Lower Upper

95 100

97 66.0 46.3 85.9

132 102.4 72.9 135.3

130 105.3 73.4 136.2



#35

Methylcyclohexane

Concen: 50.71 ug/L

RT: 9.276 min Scan# 1276

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

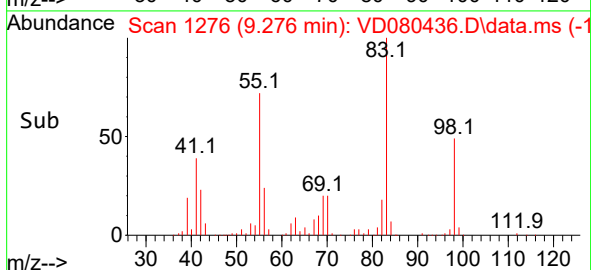
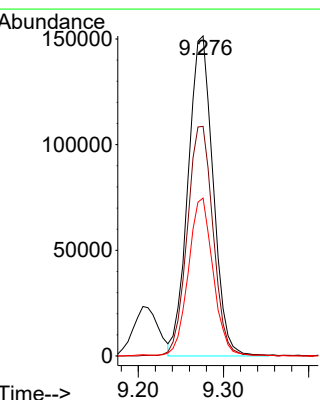
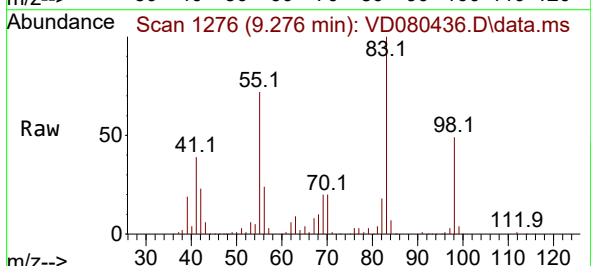
Tgt Ion: 83 Resp: 309536

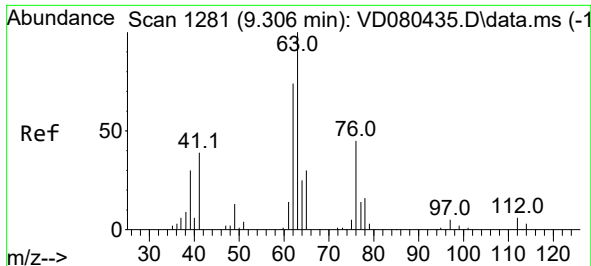
Ion Ratio Lower Upper

83 100

55 73.4 60.4 90.6

98 48.7 38.5 57.7





#37

1,2-Dichloropropane

Concen: 47.52 ug/L

RT: 9.305 min Scan# 1281

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

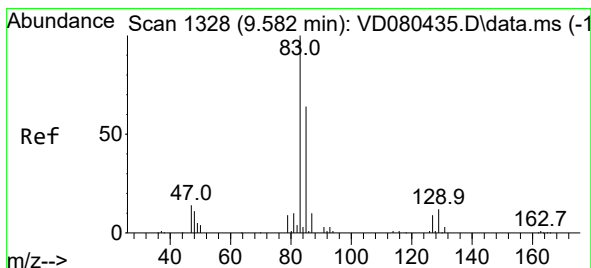
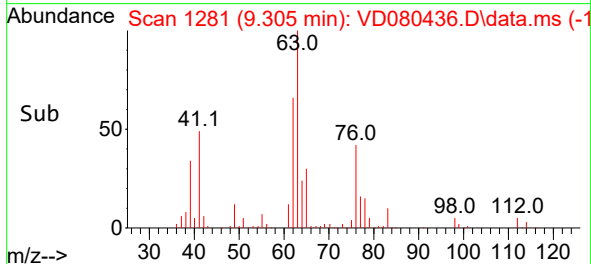
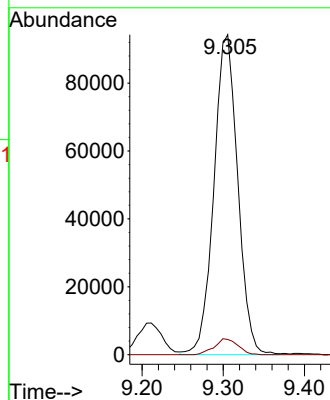
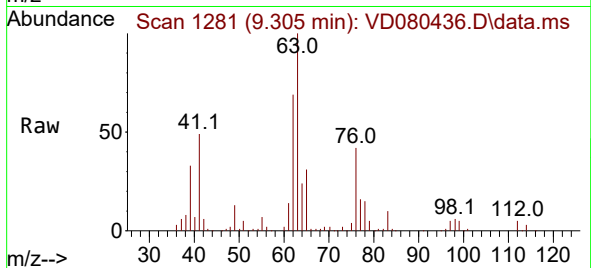
VSTD050879

Tgt Ion: 63 Resp: 192436

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 47.58 ug/L

RT: 9.582 min Scan# 1328

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

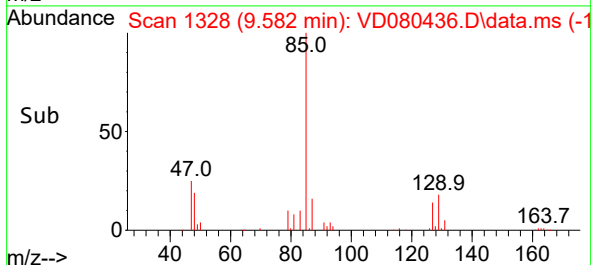
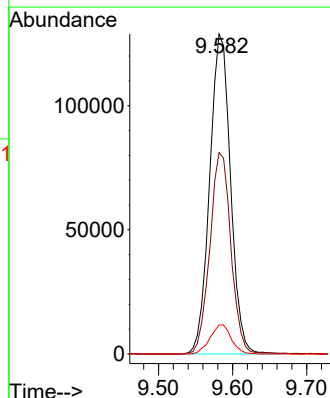
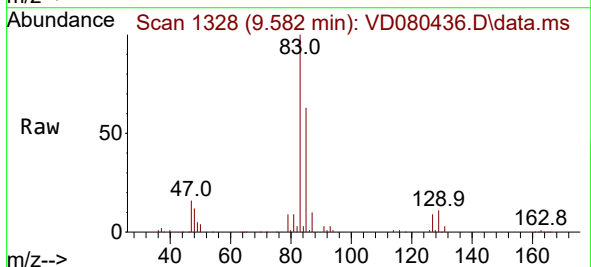
Tgt Ion: 83 Resp: 252178

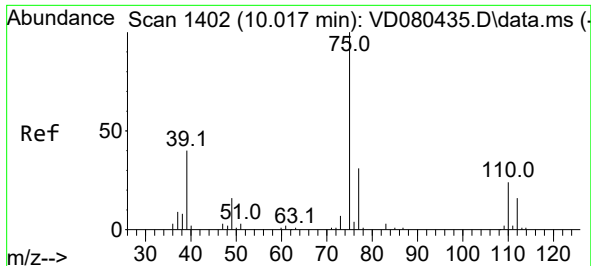
Ion Ratio Lower Upper

83 100

85 62.9 44.7 83.1

127 9.1 7.6 11.4

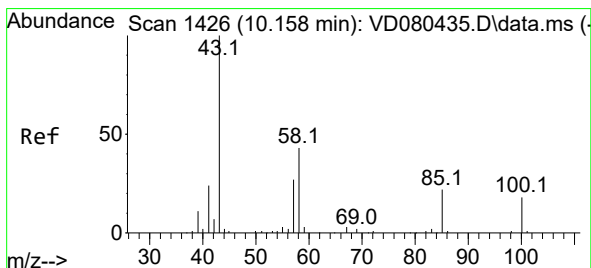
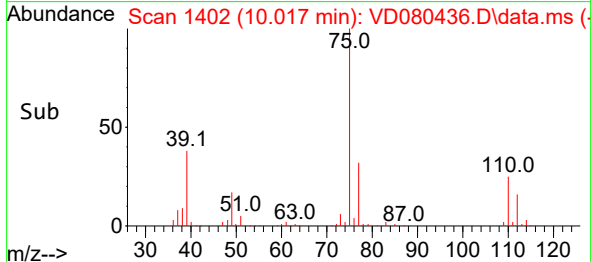
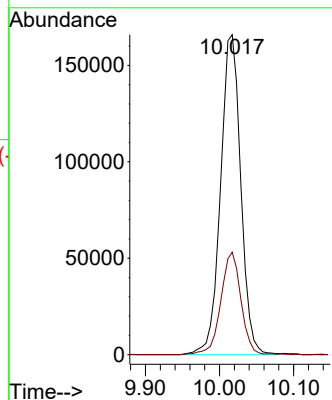
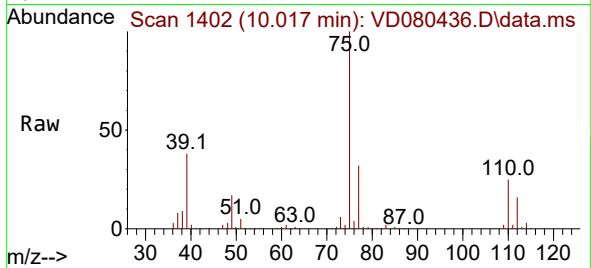




#39
 cis-1,3-Dichloropropene
 Concen: 52.05 ug/L
 RT: 10.017 min Scan# 1402
 Delta R.T. -0.000 min
 Lab File: VD080436.D
 Acq: 13 Jun 2025 13:26

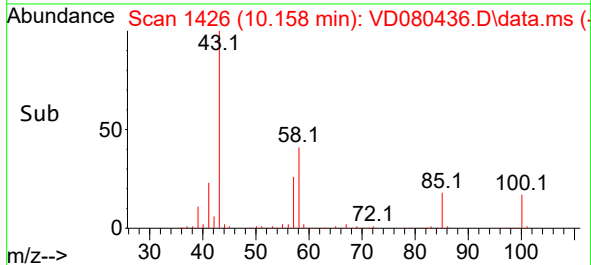
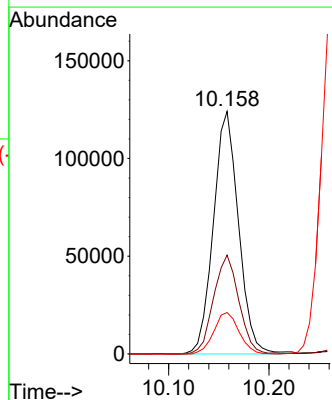
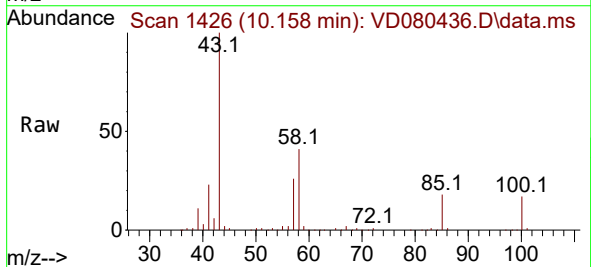
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050879

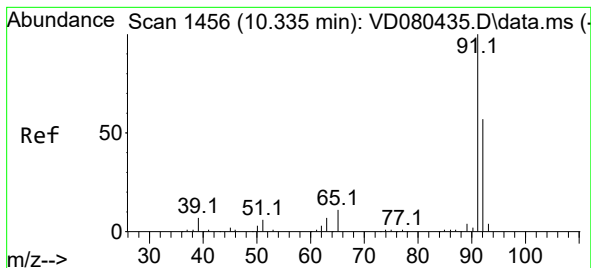
Tgt Ion: 75 Resp: 314470
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 104.68 ug/L
 RT: 10.158 min Scan# 1426
 Delta R.T. -0.000 min
 Lab File: VD080436.D
 Acq: 13 Jun 2025 13:26

Tgt Ion: 43 Resp: 215309
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.6 48.8
 100 17.1 14.1 21.1





#42

Toluene

Concen: 50.88 ug/L

RT: 10.335 min Scan# 1456

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

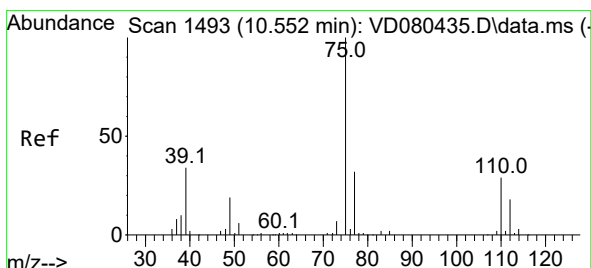
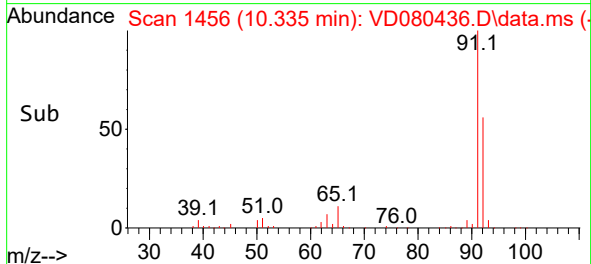
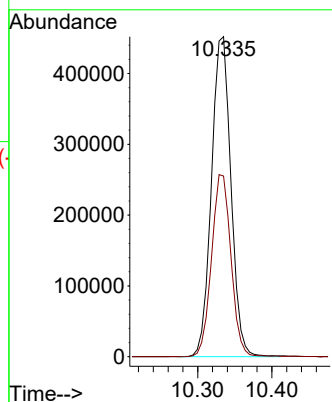
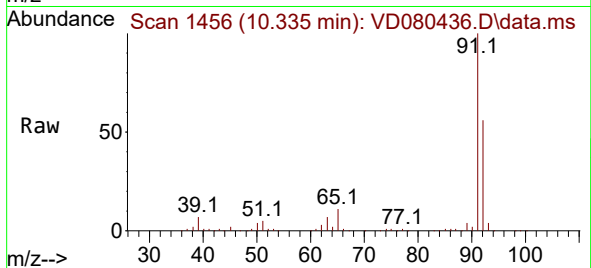
VSTD050879

Tgt Ion: 91 Resp: 825247

Ion Ratio Lower Upper

91 100

92 56.4 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 50.78 ug/L

RT: 10.552 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VD080436.D

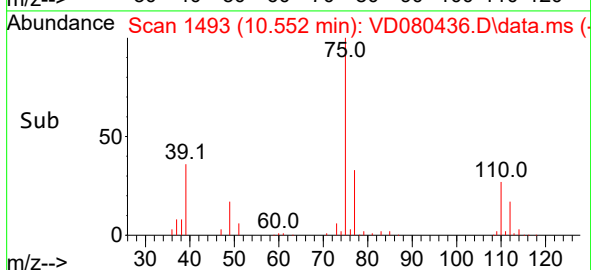
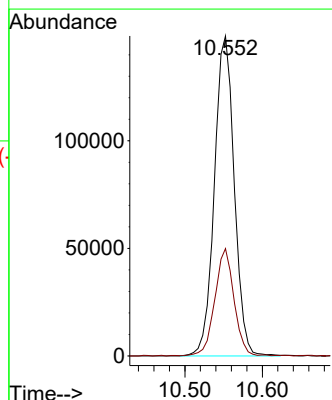
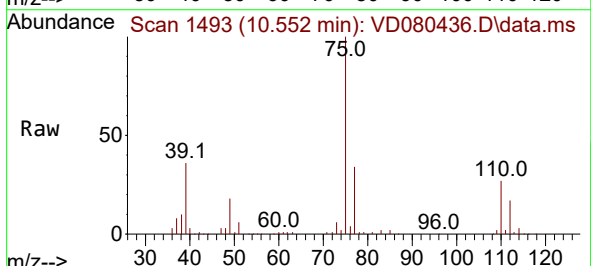
Acq: 13 Jun 2025 13:26

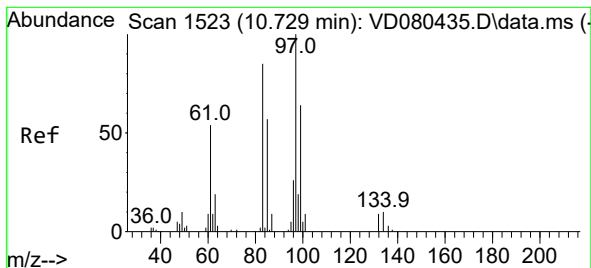
Tgt Ion: 75 Resp: 264857

Ion Ratio Lower Upper

75 100

77 33.6 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 47.05 ug/L

RT: 10.729 min Scan# 1523

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD050879

Tgt Ion: 97 Resp: 155847

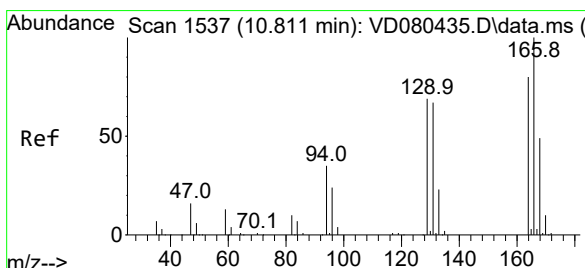
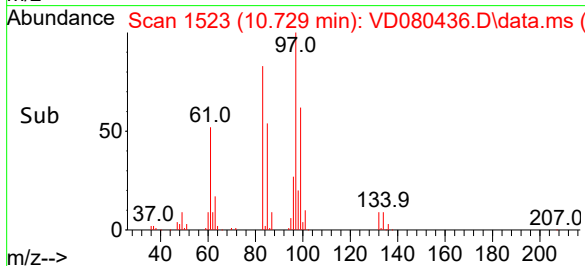
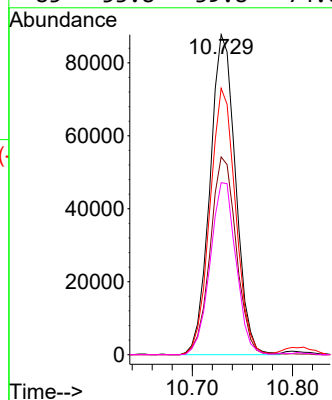
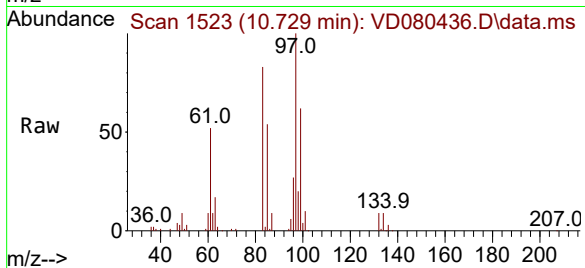
Ion Ratio Lower Upper

97 100

99 61.8 44.8 83.2

83 83.3 59.7 110.9

85 53.8 39.8 74.0



#46

Tetrachloroethene

Concen: 47.87 ug/L

RT: 10.805 min Scan# 1536

Delta R.T. -0.006 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Tgt Ion:164 Resp: 172828

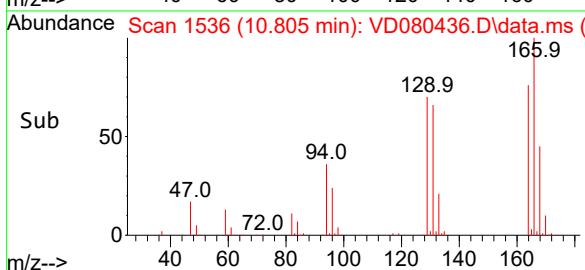
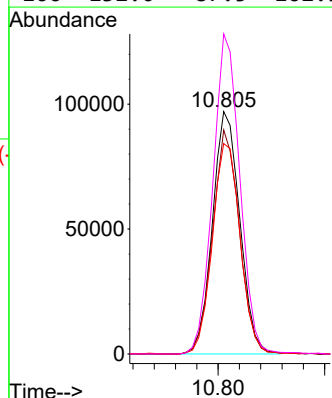
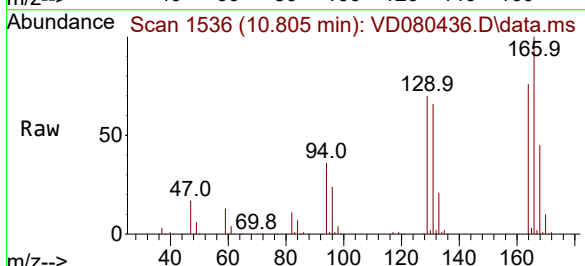
Ion Ratio Lower Upper

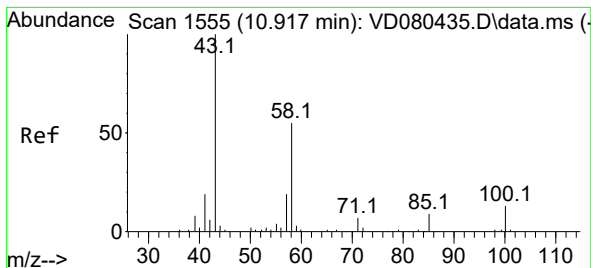
164 100

129 92.4 60.2 111.8

131 86.8 58.3 108.3

166 132.0 87.5 162.5





#48

2-Hexanone

Concen: 104.30 ug/L

RT: 10.917 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD050879

Tgt Ion: 43 Resp: 156990

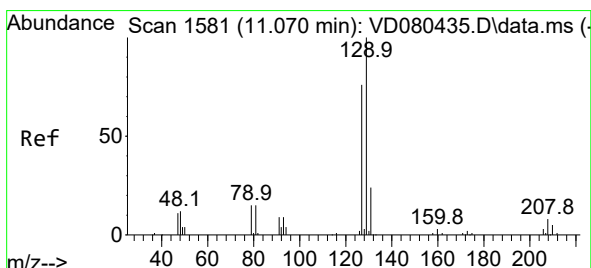
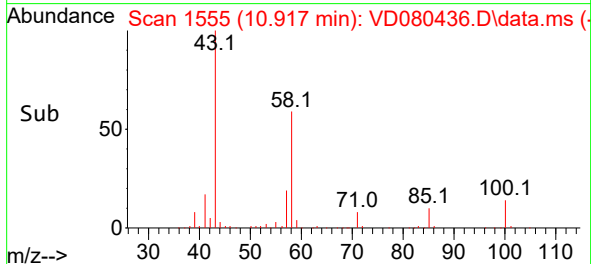
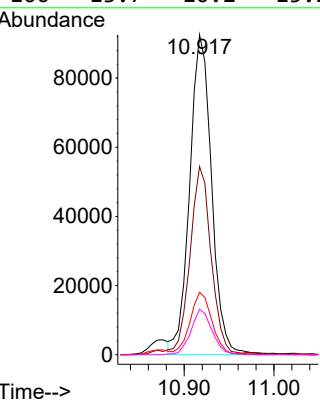
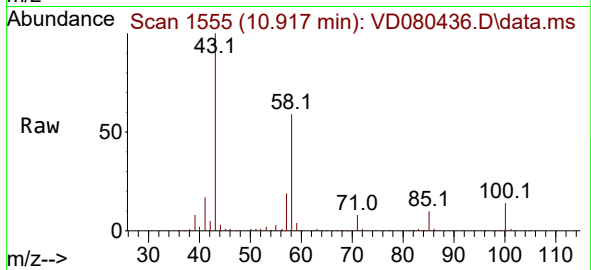
Ion Ratio Lower Upper

43 100

58 56.8 43.5 65.3

57 19.4 15.4 23.0

100 13.7 10.2 15.2



#49

Dibromochloromethane

Concen: 47.67 ug/L

RT: 11.070 min Scan# 1581

Delta R.T. -0.000 min

Lab File: VD080436.D

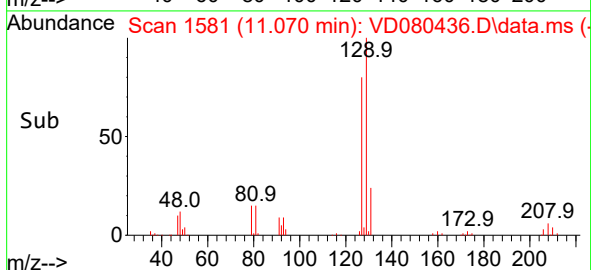
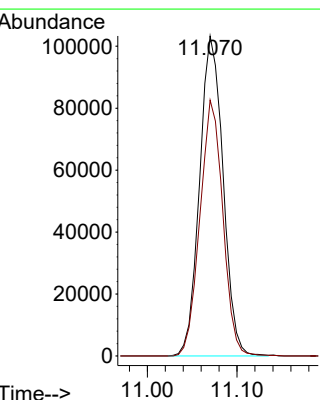
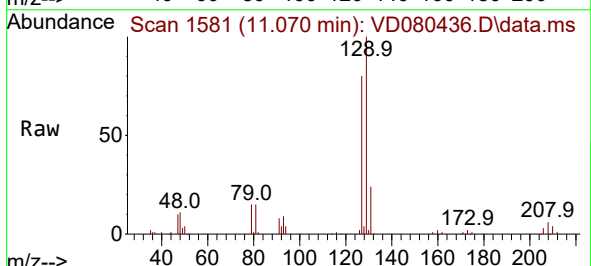
Acq: 13 Jun 2025 13:26

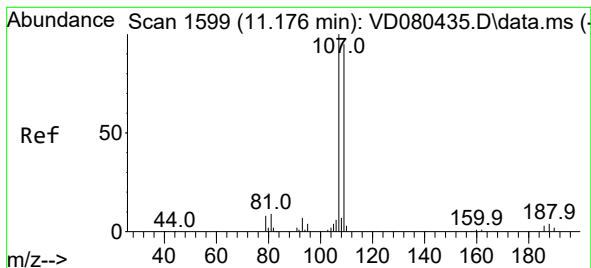
Tgt Ion: 129 Resp: 187705

Ion Ratio Lower Upper

129 100

127 80.0 53.3 98.9

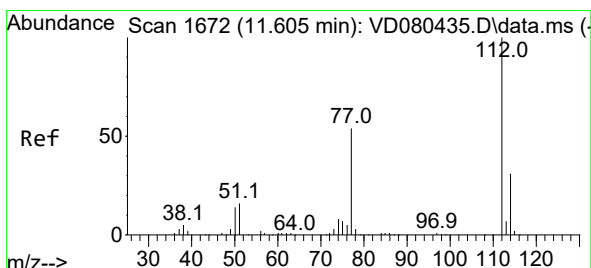
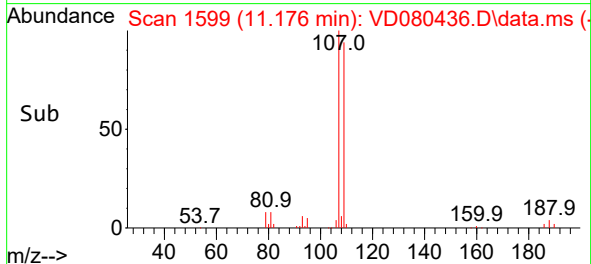
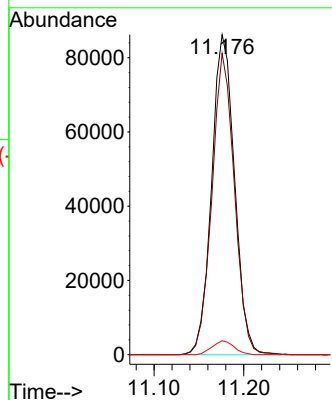
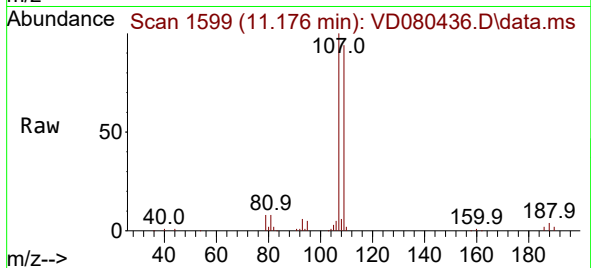




#50
1,2-Dibromoethane
Concen: 48.90 ug/L
RT: 11.176 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

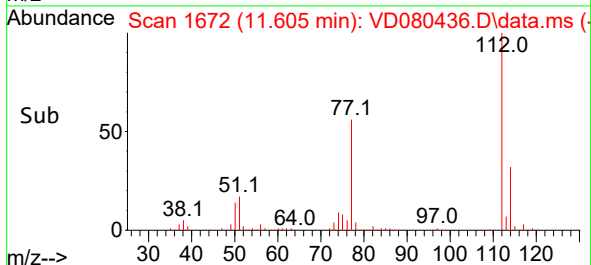
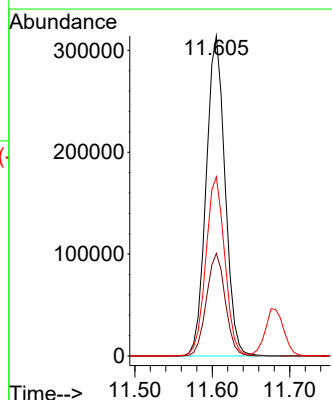
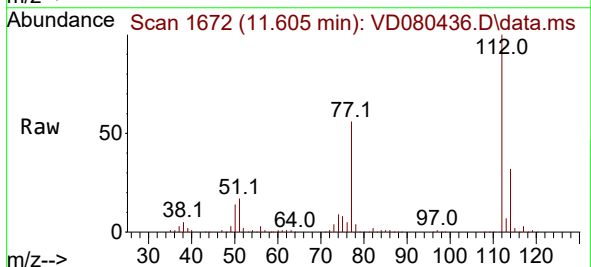
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

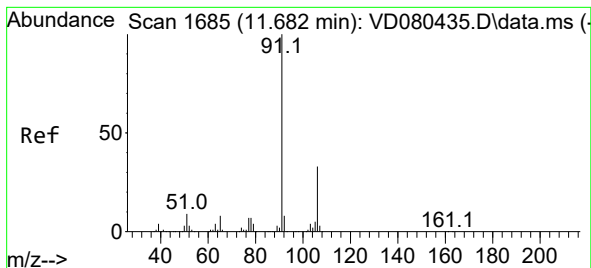
Tgt Ion:107 Resp: 152509
Ion Ratio Lower Upper
107 100
109 94.2 66.3 123.1
188 4.4 3.3 4.9



#51
Chlorobenzene
Concen: 47.89 ug/L
RT: 11.605 min Scan# 1672
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion:112 Resp: 531049
Ion Ratio Lower Upper
112 100
114 32.1 21.9 40.7
77 56.0 43.4 65.2

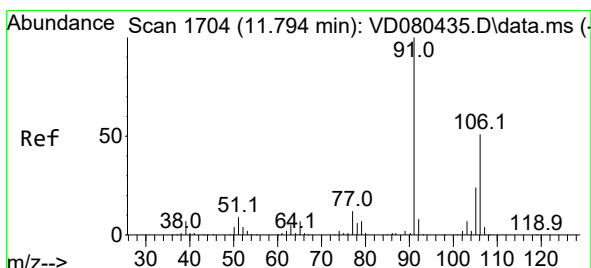
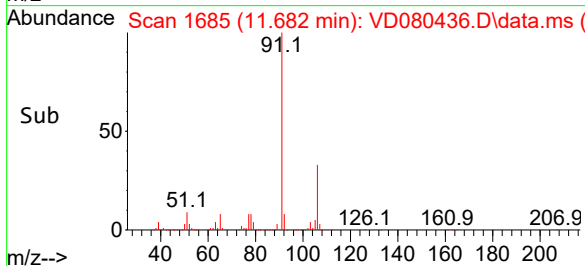
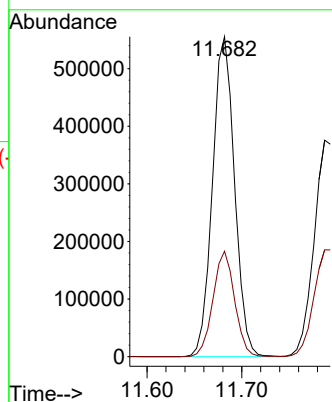
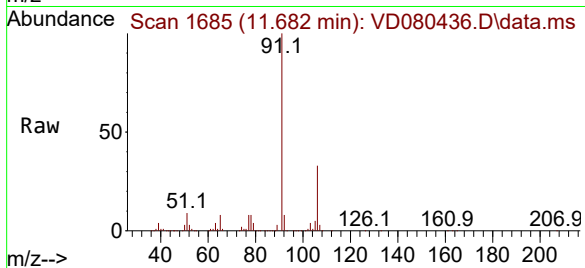




#52
Ethylbenzene
Concen: 51.39 ug/L
RT: 11.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

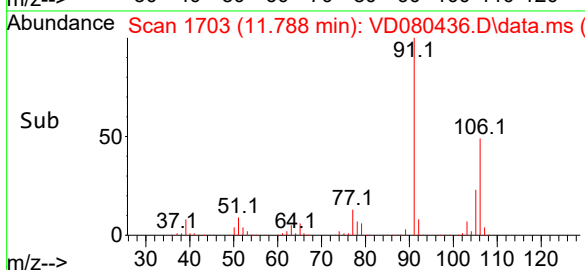
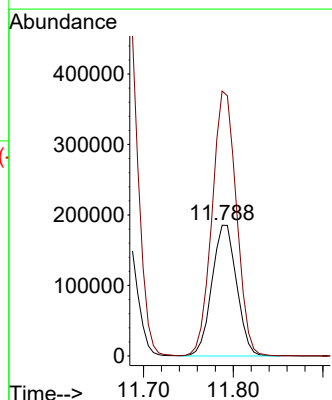
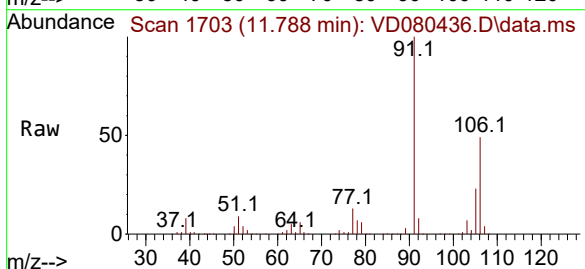
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

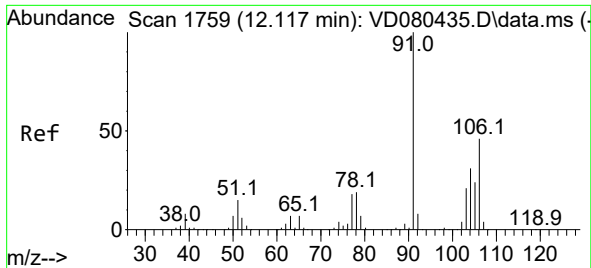
Tgt Ion: 91 Resp: 897228
Ion Ratio Lower Upper
91 100
106 33.0 23.0 42.6



#53
m,p-Xylene
Concen: 52.62 ug/L
RT: 11.788 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion: 106 Resp: 355230
Ion Ratio Lower Upper
106 100
91 202.6 136.8 254.2

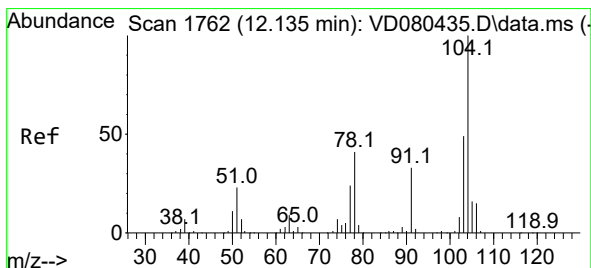
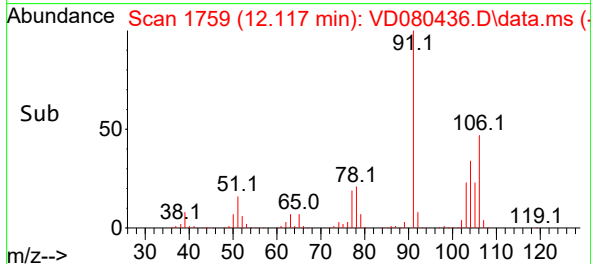
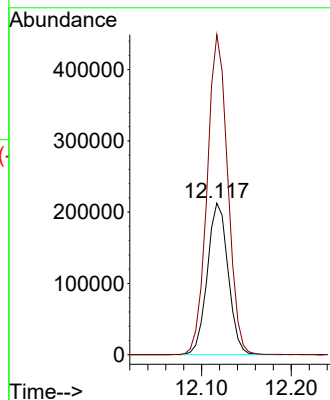
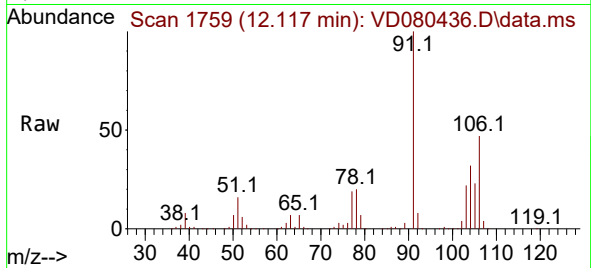




#54
o-Xylene
Concen: 52.84 ug/L
RT: 12.117 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

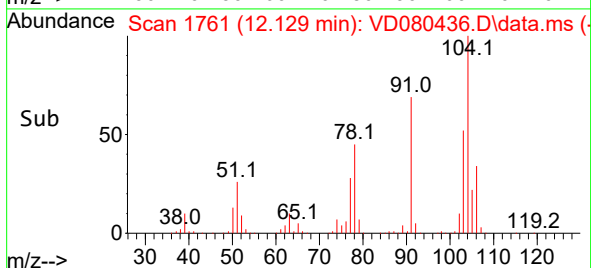
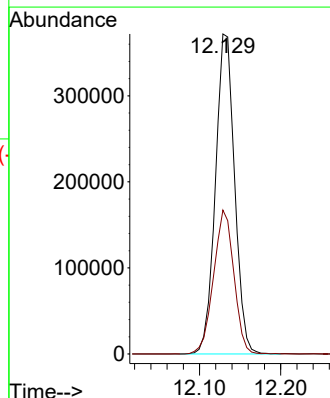
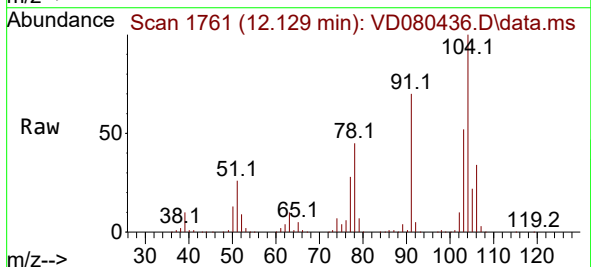
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

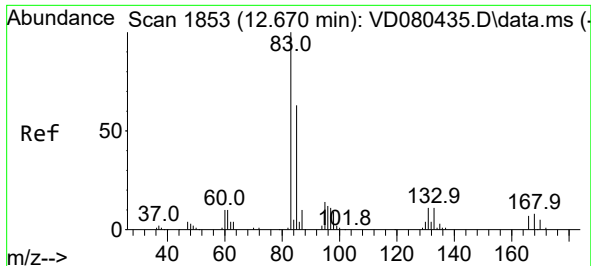
Tgt Ion:106 Resp: 342185
Ion Ratio Lower Upper
106 100
91 211.1 150.8 280.0



#55
Styrene
Concen: 52.94 ug/L
RT: 12.129 min Scan# 1761
Delta R.T. -0.006 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion:104 Resp: 611319
Ion Ratio Lower Upper
104 100
78 45.0 28.7 53.3

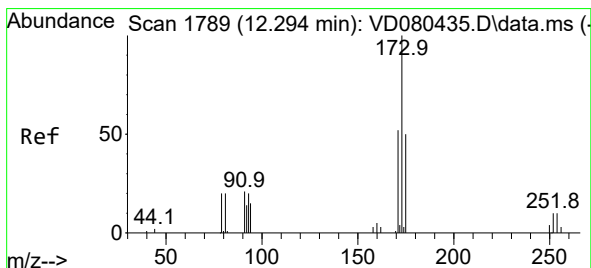
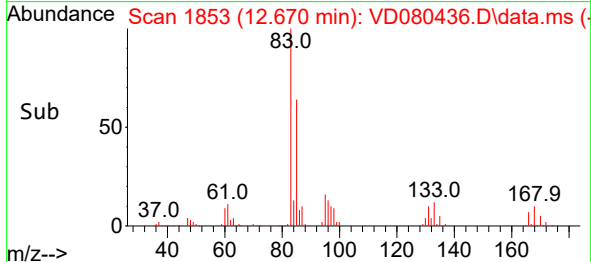
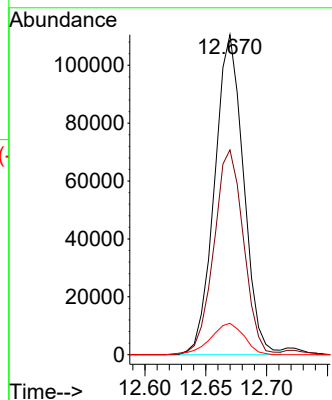
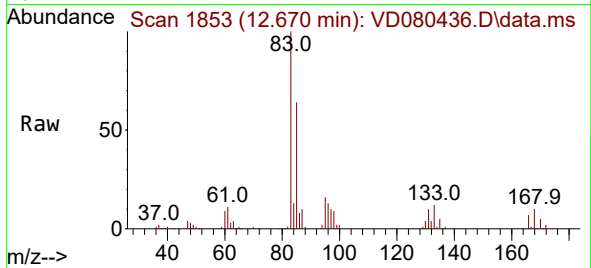




#57
1,1,2,2-Tetrachloroethane
Concen: 47.71 ug/L
RT: 12.670 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

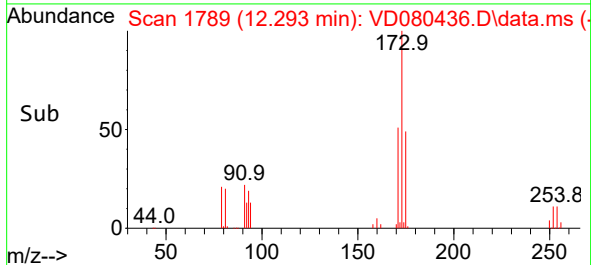
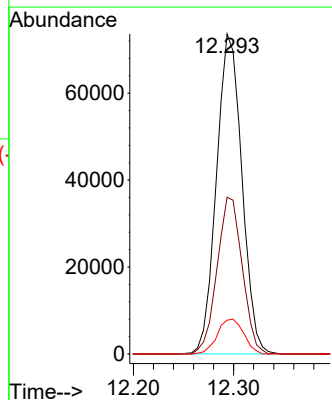
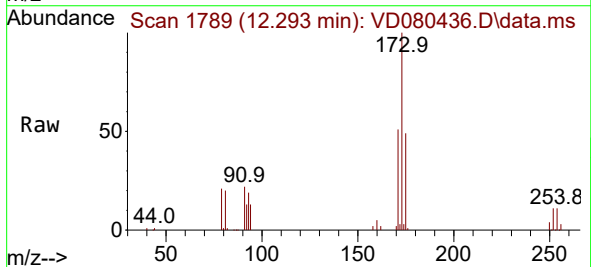
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

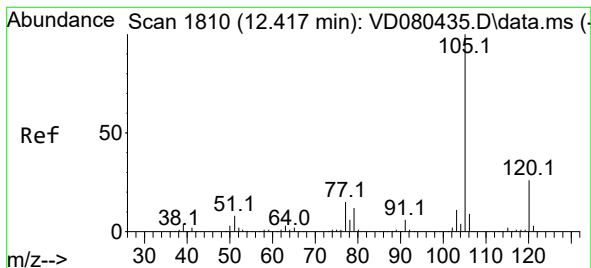
Tgt Ion: 83 Resp: 182828
Ion Ratio Lower Upper
83 100
85 64.0 44.0 81.8
131 9.8 8.9 13.3



#59
Bromoform
Concen: 46.76 ug/L
RT: 12.293 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion:173 Resp: 129507
Ion Ratio Lower Upper
173 100
175 48.5 39.7 59.5
254 11.3 9.5 14.3





#60

Isopropylbenzene

Concen: 50.92 ug/L

RT: 12.417 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD050879

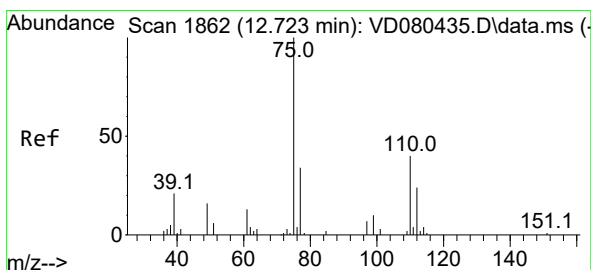
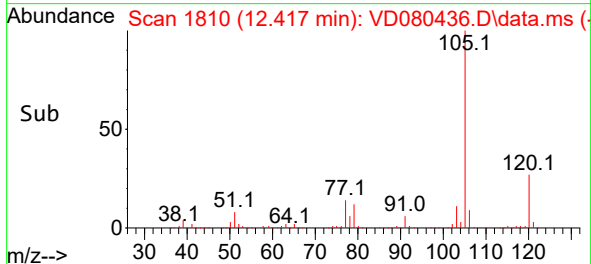
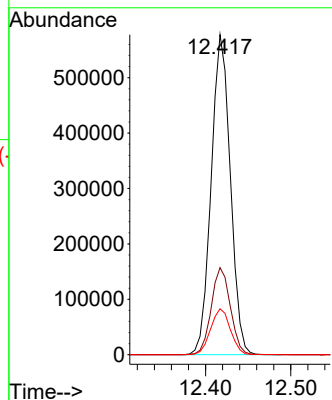
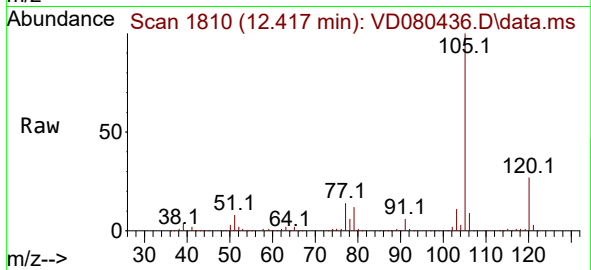
Tgt Ion:105 Resp: 900398

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

77 14.8 11.8 17.8



#61

1,2,3-Trichloropropane

Concen: 45.09 ug/L

RT: 12.723 min Scan# 1862

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

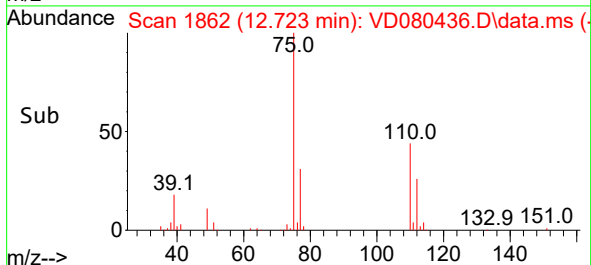
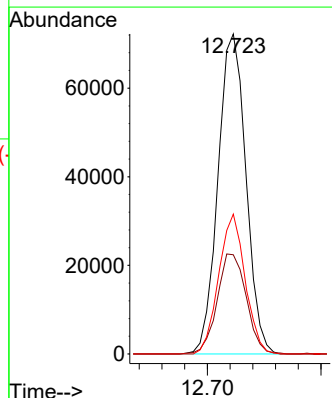
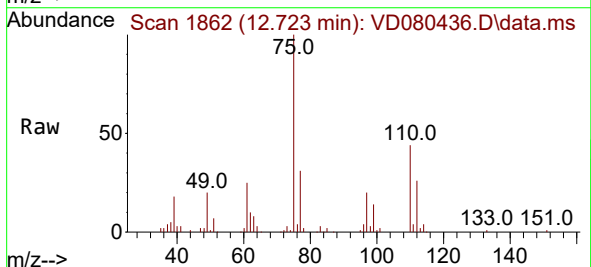
Tgt Ion: 75 Resp: 123454

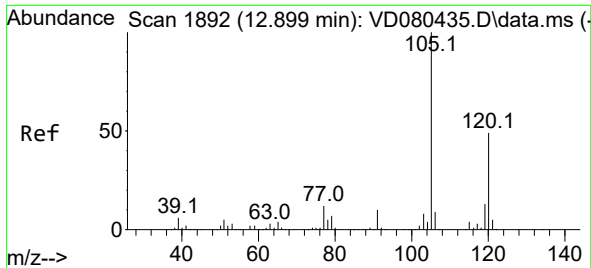
Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9

110 41.3 31.4 47.0

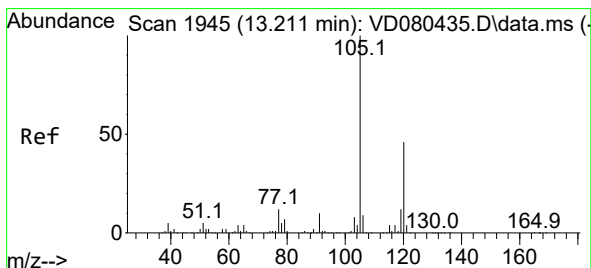
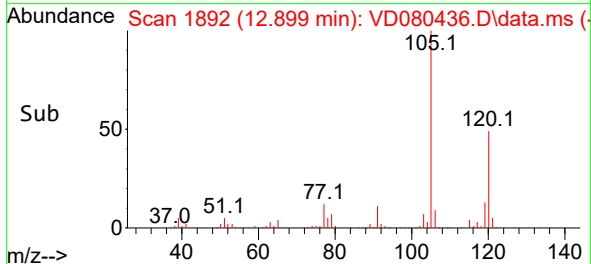
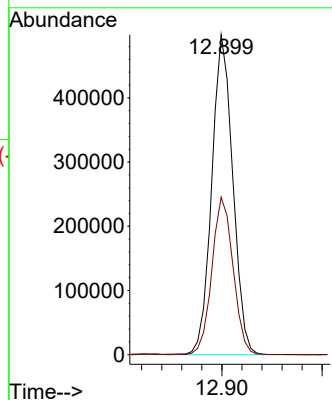
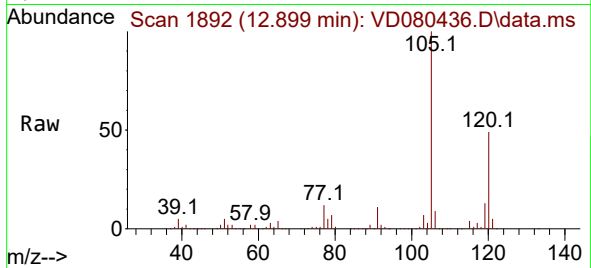




#62
1,3,5-Trimethylbenzene
Concen: 52.38 ug/L
RT: 12.899 min Scan# 1892
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

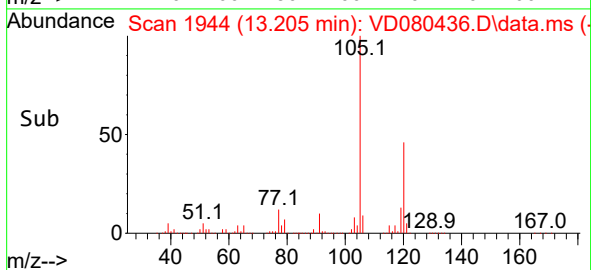
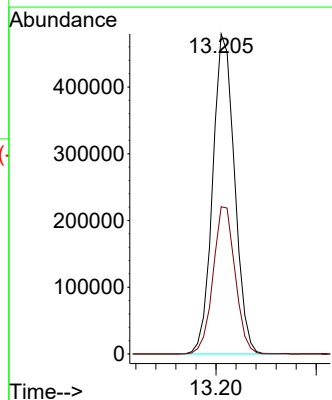
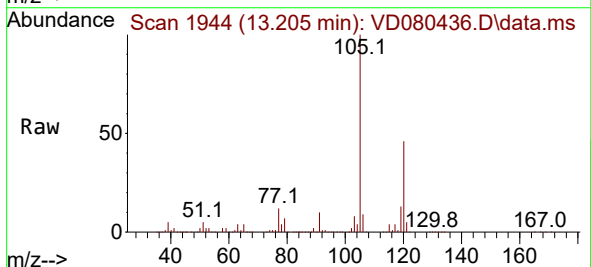
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

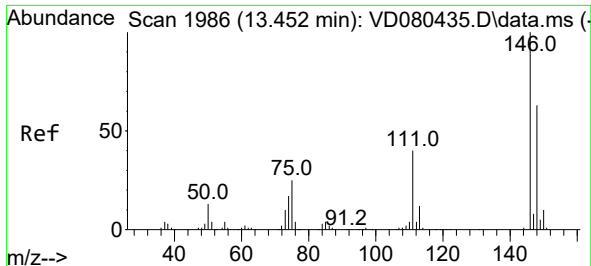
Tgt Ion:105 Resp: 725113
Ion Ratio Lower Upper
105 100
120 49.6 39.8 59.6



#63
1,2,4-Trimethylbenzene
Concen: 52.86 ug/L
RT: 13.205 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion:105 Resp: 725883
Ion Ratio Lower Upper
105 100
120 46.5 37.3 55.9

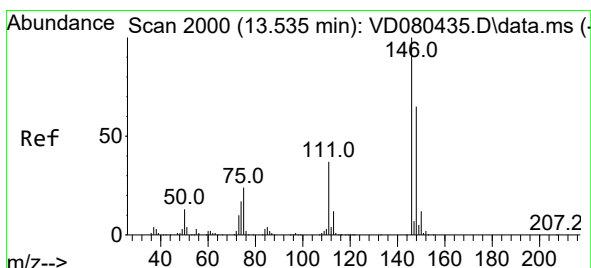
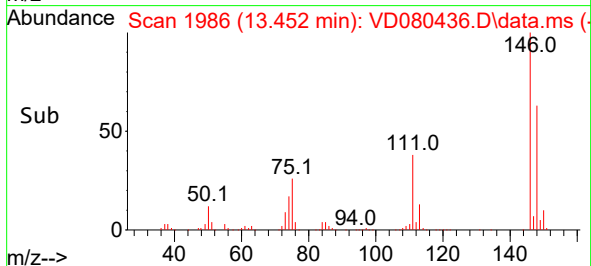
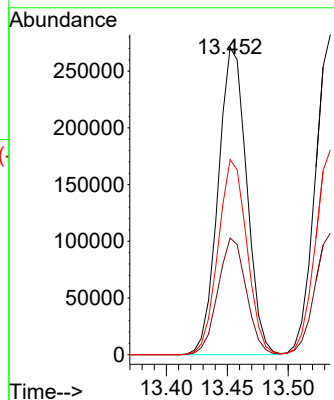
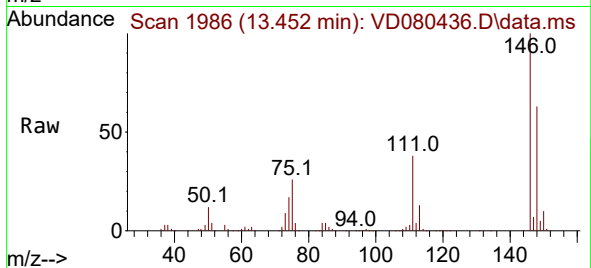




#64
1,3-Dichlorobenzene
Concen: 48.19 ug/L
RT: 13.452 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

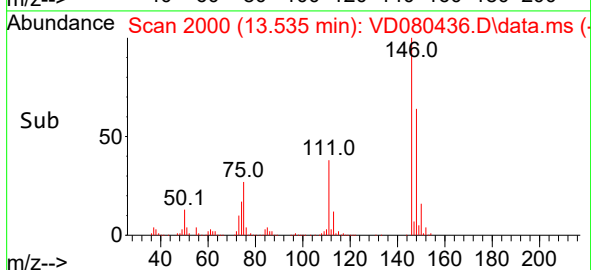
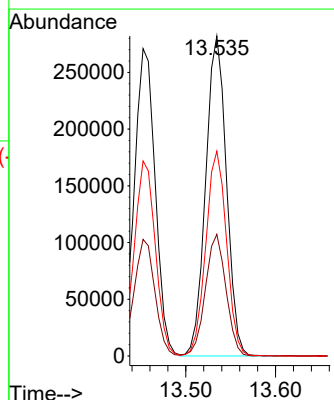
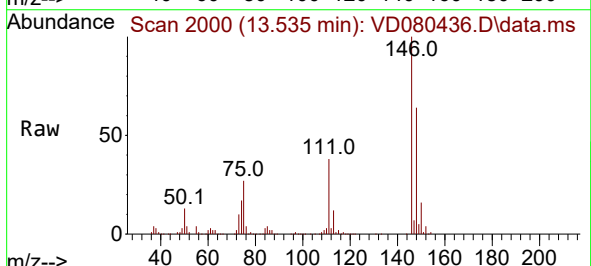
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

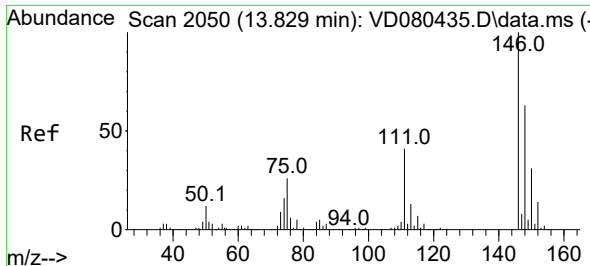
Tgt Ion:146 Resp: 442660
Ion Ratio Lower Upper
146 100
111 37.9 28.1 52.3
148 63.4 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 47.50 ug/L
RT: 13.535 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion:146 Resp: 453363
Ion Ratio Lower Upper
146 100
111 38.0 26.0 48.4
148 64.0 45.4 84.2

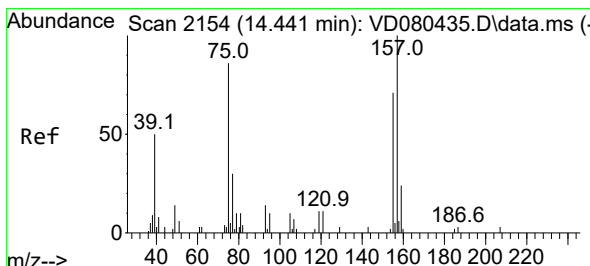
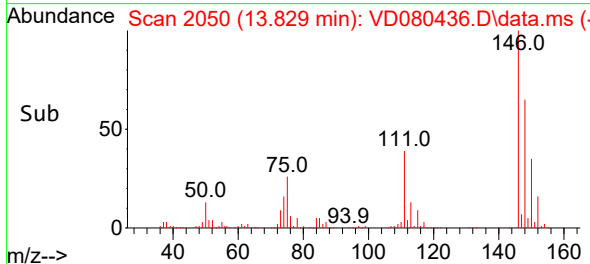
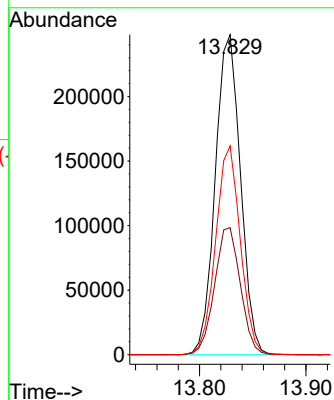
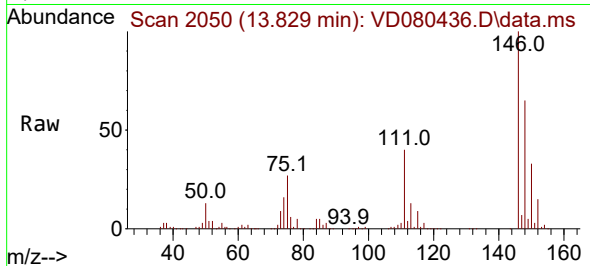




#67
1,2-Dichlorobenzene
Concen: 47.81 ug/L
RT: 13.829 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

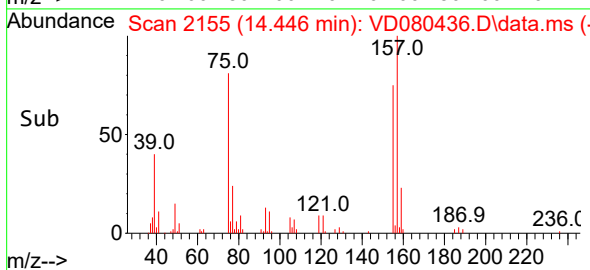
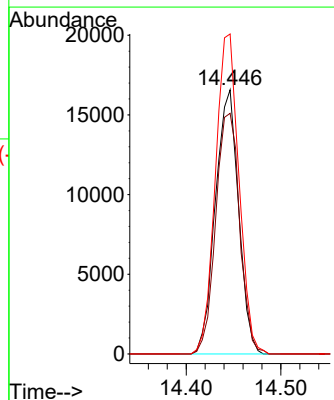
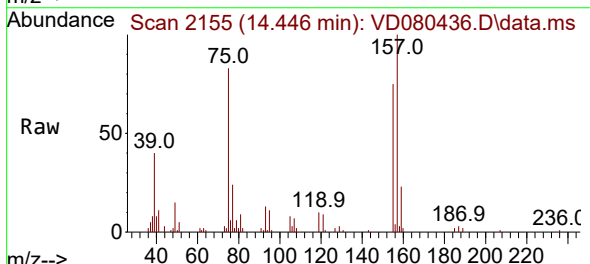
Instrument :
MSVOA_D
ClientSampleId :
VSTD050879

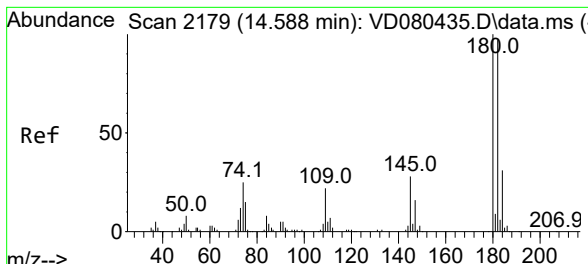
Tgt Ion:146 Resp: 407580
Ion Ratio Lower Upper
146 100
111 39.7 32.9 49.3
148 65.3 50.3 75.5



#68
1,2-Dibromo-3-chloropropane
Concen: 45.36 ug/L
RT: 14.446 min Scan# 2155
Delta R.T. 0.006 min
Lab File: VD080436.D
Acq: 13 Jun 2025 13:26

Tgt Ion: 75 Resp: 28212
Ion Ratio Lower Upper
75 100
155 91.1 66.9 100.3
157 121.1 93.5 140.3

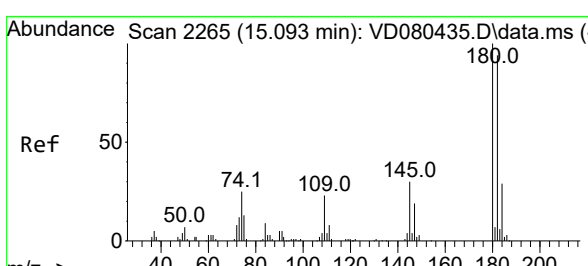
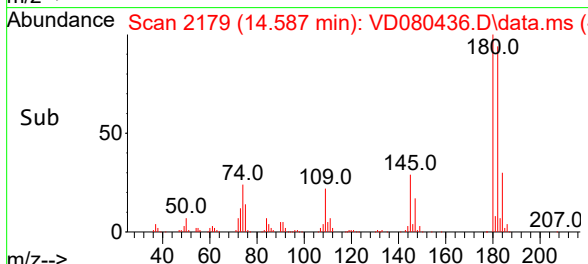
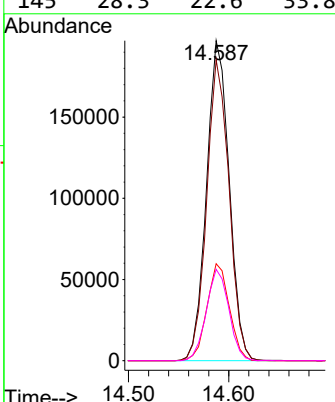
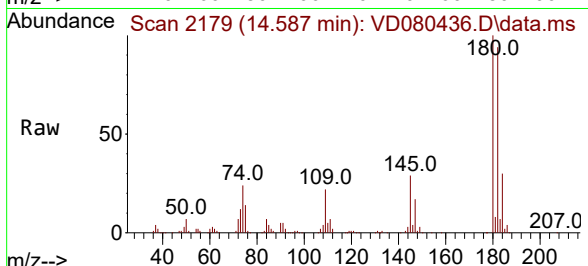




#69
 1,3,5-Trichlorobenzene
 Concen: 48.96 ug/L
 RT: 14.587 min Scan# 2179
 Delta R.T. -0.000 min
 Lab File: VD080436.D
 Acq: 13 Jun 2025 13:26

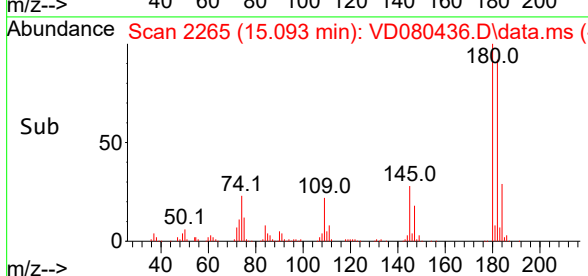
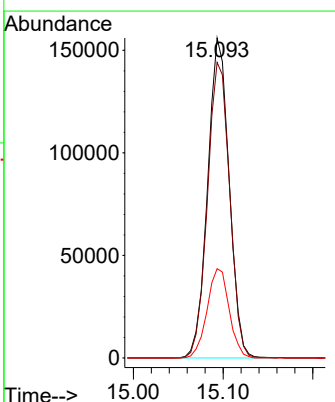
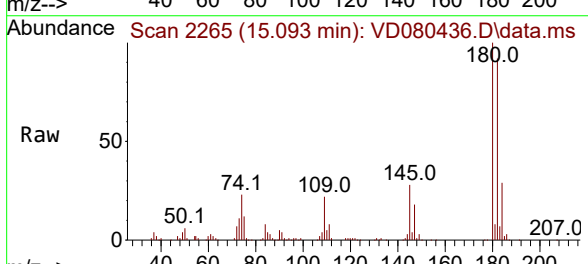
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050879

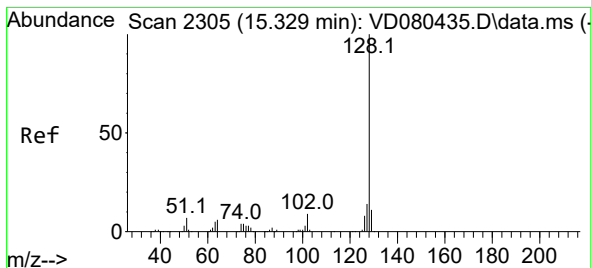
Tgt Ion:	180	Resp:	309955
Ion Ratio	Lower	Upper	
180	100		
182	92.6	76.3	114.5
184	29.9	25.1	37.7
145	28.3	22.6	33.8



#70
 1,2,4-trichlorobenzene
 Concen: 48.78 ug/L
 RT: 15.093 min Scan# 2265
 Delta R.T. -0.000 min
 Lab File: VD080436.D
 Acq: 13 Jun 2025 13:26

Tgt Ion:	180	Resp:	259589
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.0	112.6
145	28.6	22.9	34.3





#71

Naphthalene

Concen: 51.84 ug/L

RT: 15.329 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTD050879

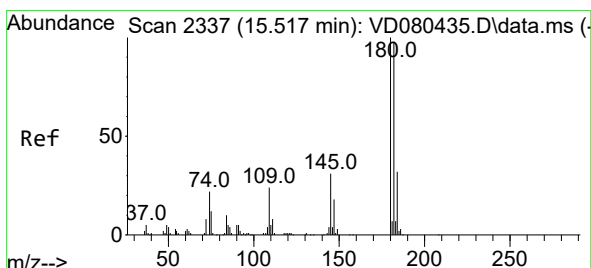
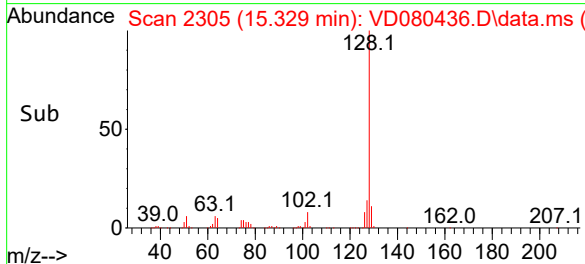
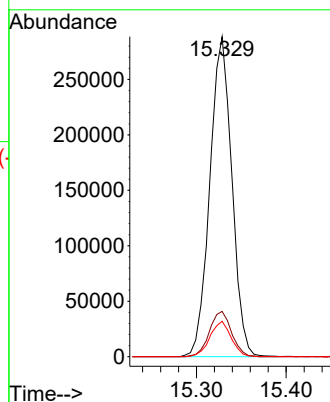
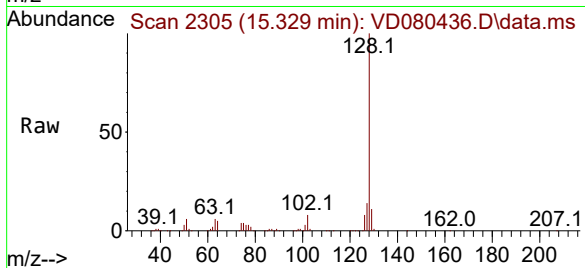
Tgt Ion:128 Resp: 492298

Ion Ratio Lower Upper

128 100

127 14.2 11.3 16.9

129 10.6 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 48.99 ug/L

RT: 15.517 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VD080436.D

Acq: 13 Jun 2025 13:26

Tgt Ion:180 Resp: 240994

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.6

145 31.5 25.2 37.8

