

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080353.D
 Acq On : 15 May 2025 17:17
 Operator : RP/MD
 Sample : Q2047-01
 Misc : 5.45G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-051425

Quant Time: May 16 03:00:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

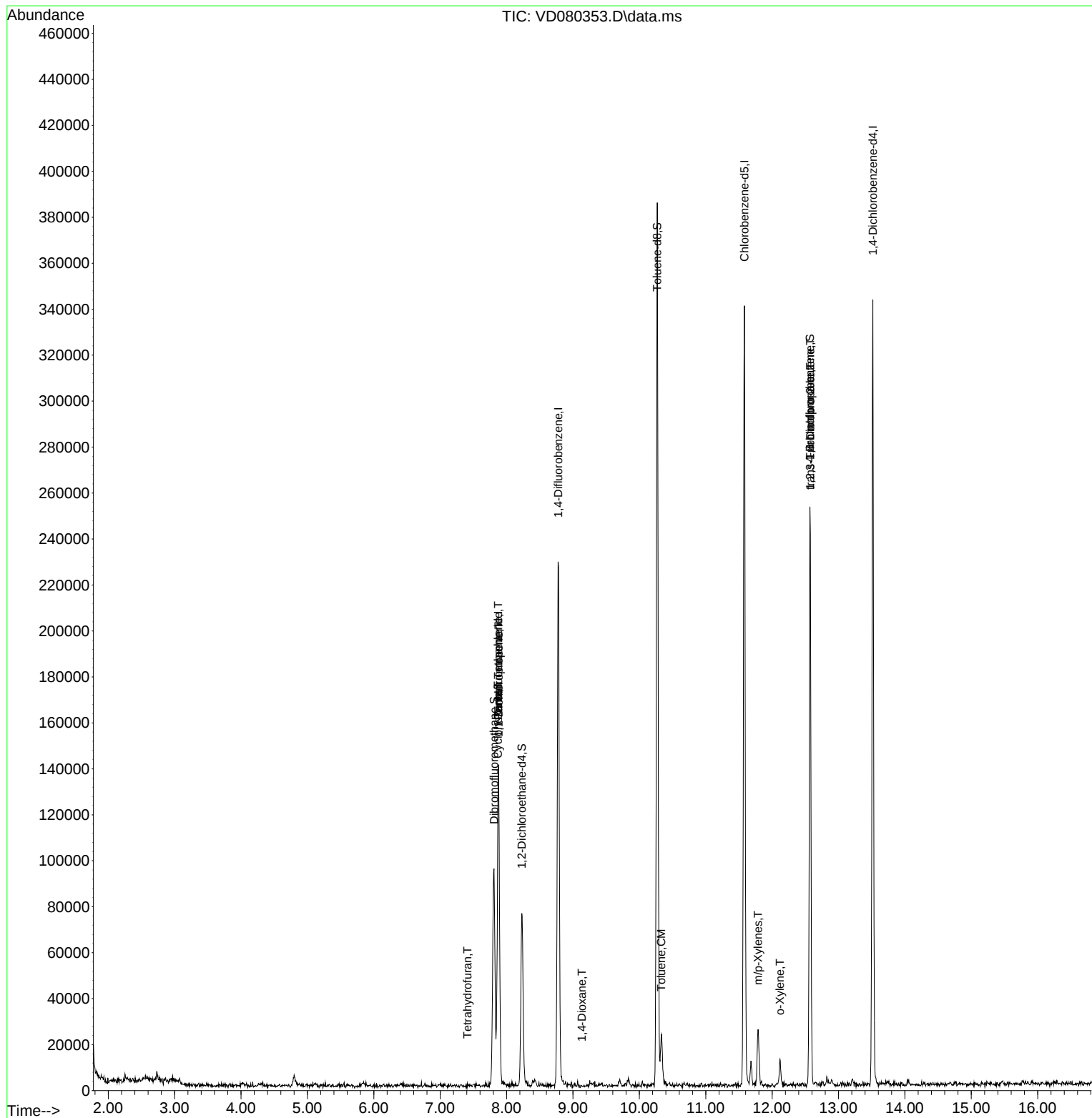
Internal Standards						
1) Pentafluorobenzene	7.876	168	103015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	196529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	193622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	87021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	60700	45.565	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.140%
35) Dibromofluoromethane	7.811	113	68793	52.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.460%
50) Toluene-d8	10.270	98	254741	49.083	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.160%
62) 4-Bromofluorobenzene	12.570	95	77005	46.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.460%
Target Compounds						
2) Dichlorodifluoromethane	1.935	85	59	Below Cal	#	43
3) Chloromethane	2.141	50	296	Below Cal	#	39
16) Acetone	4.018	43	730	Below Cal	#	76
20) Methylene Chloride	4.806	84	2600	Below Cal		93
29) Tetrahydrofuran	7.412	42	363	1.519	ug/l #	32
31) Cyclohexane	7.870	56	2792	1.290	ug/l #	7
36) 1,1-Dichloropropene	7.882	75	8935	4.539	ug/l #	48
38) Carbon Tetrachloride	7.876	117	10279	5.007	ug/l #	20
49) 1,4-Dioxane	9.135	88	112	10.937	ug/l #	34
52) Toluene	10.329	92	8218	2.211	ug/l	91
68) m/p-Xylenes	11.788	106	7765	2.737	ug/l	87
69) o-Xylene	12.117	106	2716	1.048	ug/l	92
76) 1,2,3-Trichloropropane	12.576	75	40050	47.686	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.576	75	40050	90.516	ug/l #	15

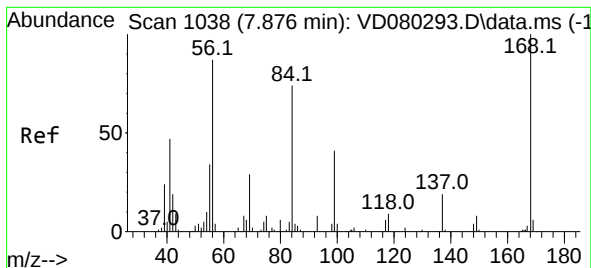
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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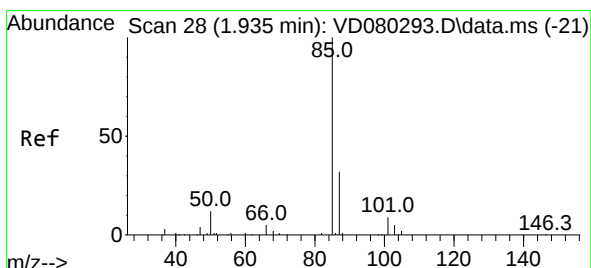
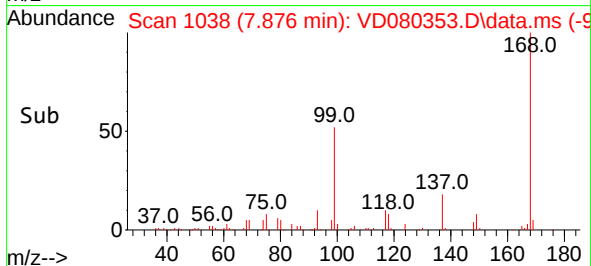
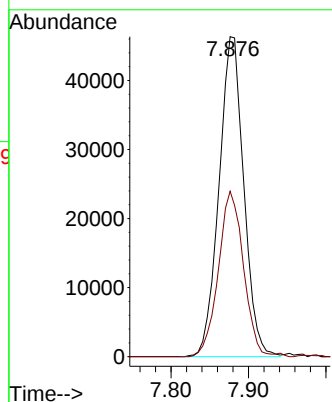
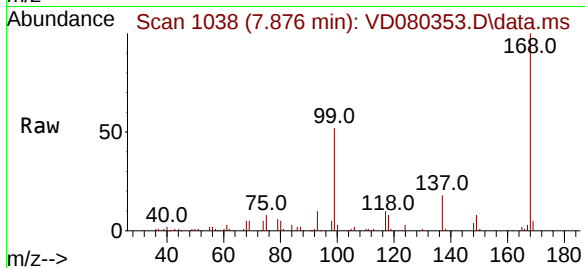




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

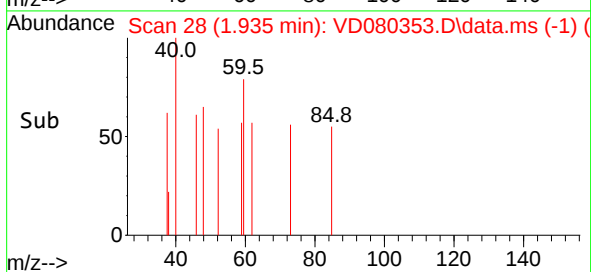
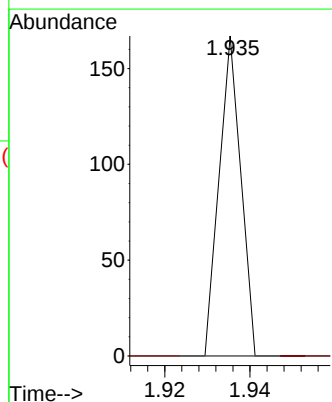
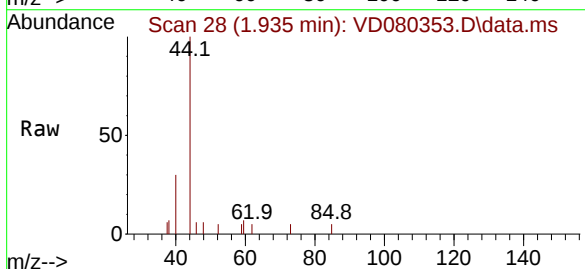
Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

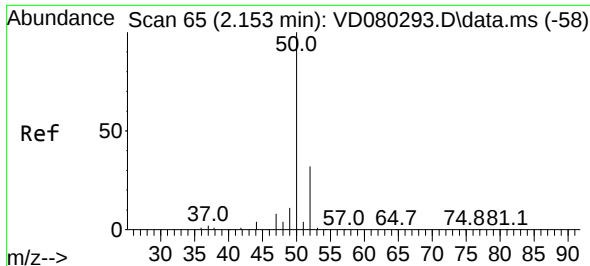
Tgt Ion:168 Resp: 103015
Ion Ratio Lower Upper
168 100
99 51.7 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.935 min Scan# 28
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion: 85 Resp: 59
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

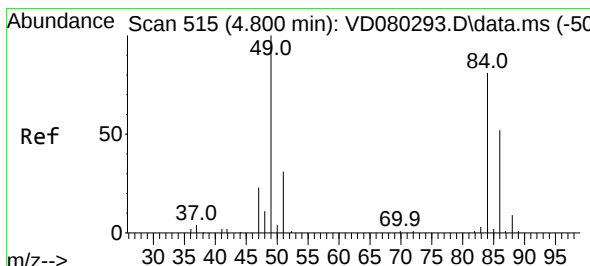
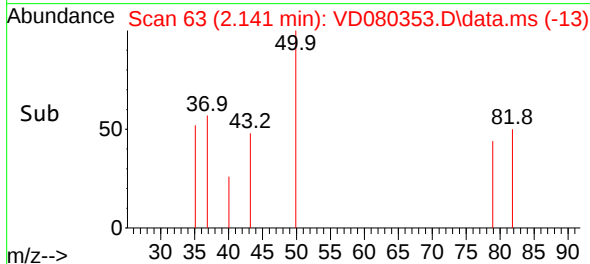
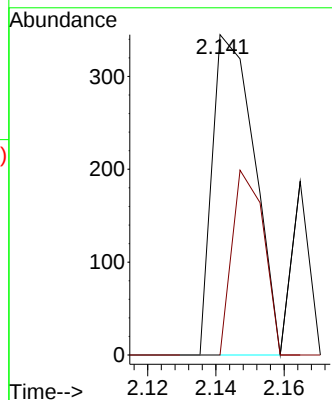
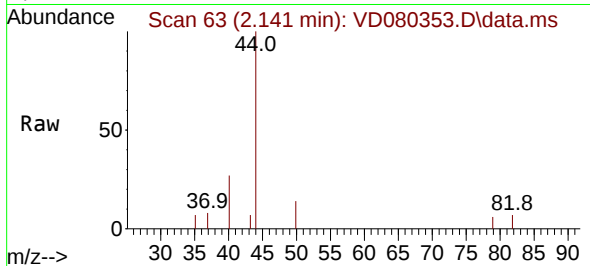




#3
Chloromethane
Concen: Below Cal
RT: 2.141 min Scan# 61
Delta R.T. -0.005 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

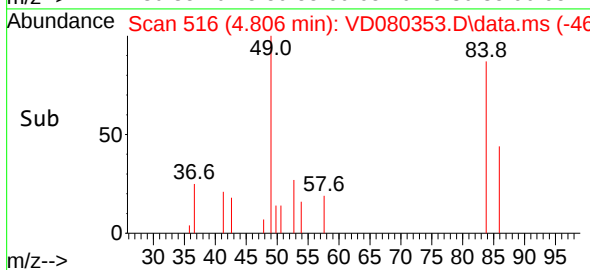
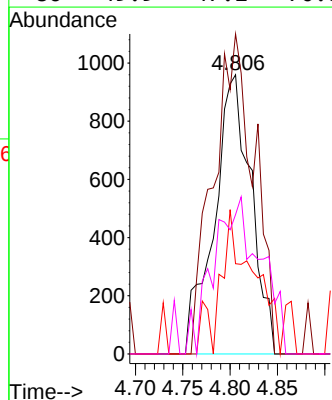
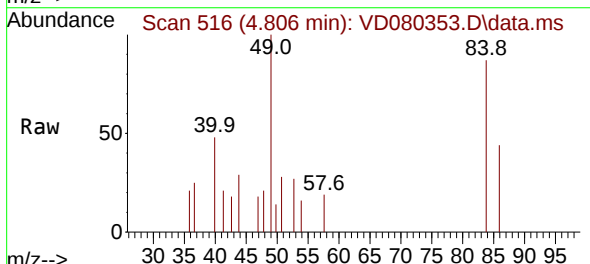
Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

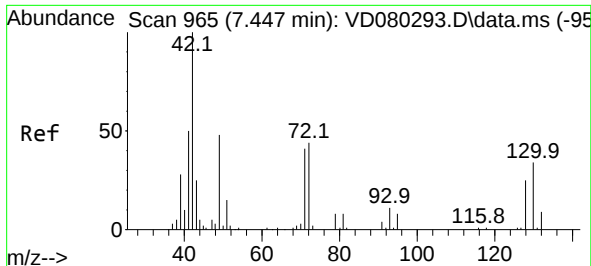
Tgt Ion: 50 Resp: 296
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.806 min Scan# 516
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion: 84 Resp: 2600
Ion Ratio Lower Upper
84 100
49 114.6 86.5 129.7
51 32.3 26.9 40.3
86 49.9 47.2 70.8





#29

Tetrahydrofuran

Concen: 1.519 ug/l

RT: 7.412 min Scan# 91

Delta R.T. -0.034 min

Lab File: VD080353.D

Acq: 15 May 2025 17:17

Instrument :

MSVOA_D

ClientSampleId :

SU-04-051425

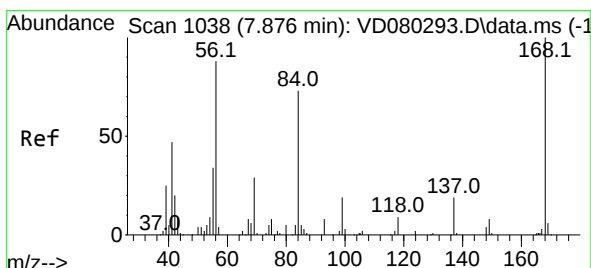
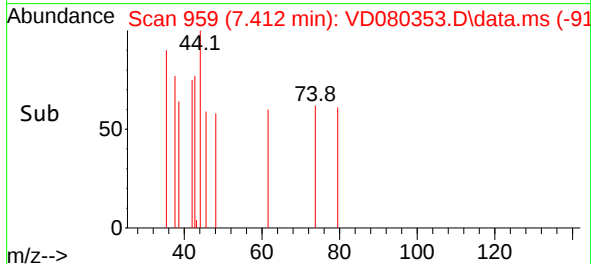
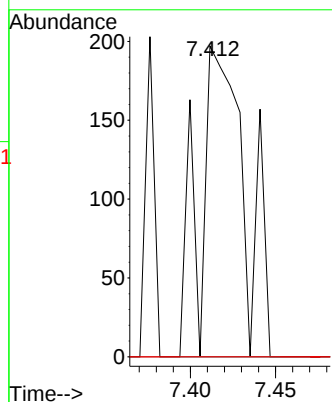
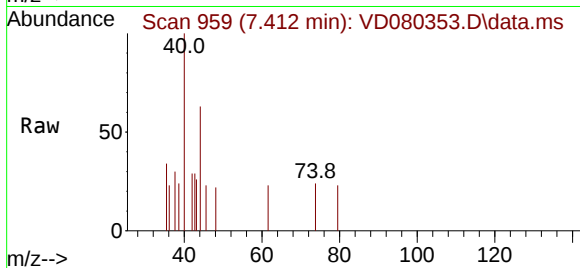
Tgt Ion: 42 Resp: 363

Ion Ratio Lower Upper

42 100

72 0.0 36.7 55.1#

71 0.0 34.4 51.6#



#31

Cyclohexane

Concen: 1.290 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.011 min

Lab File: VD080353.D

Acq: 15 May 2025 17:17

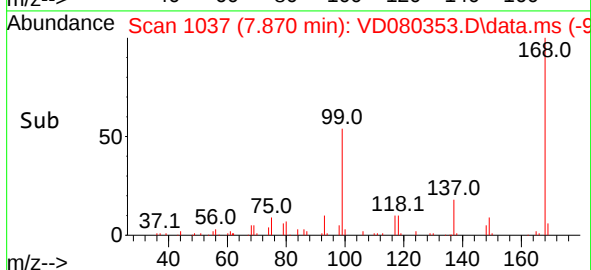
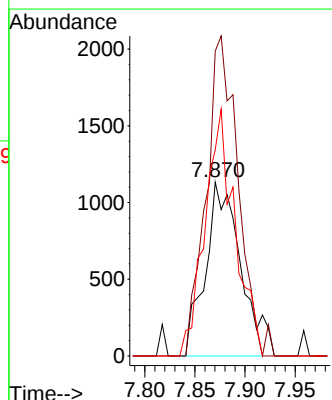
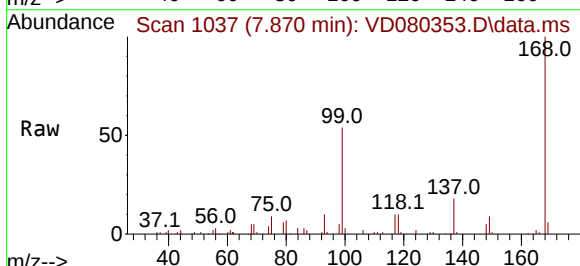
Tgt Ion: 56 Resp: 2792

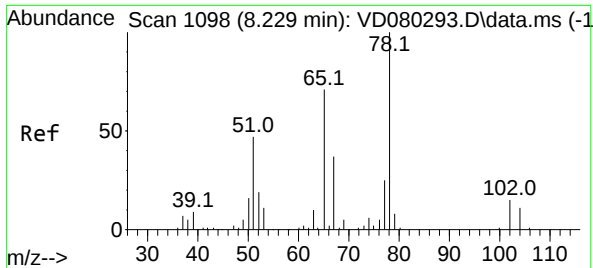
Ion Ratio Lower Upper

56 100

69 175.4 27.3 40.9#

84 118.6 70.2 105.4#

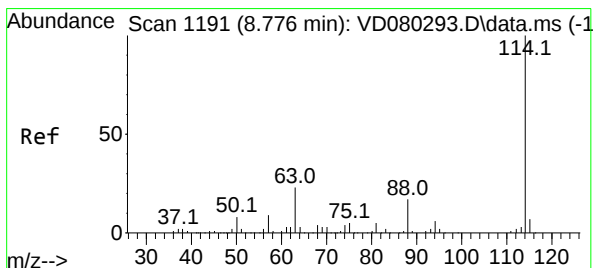
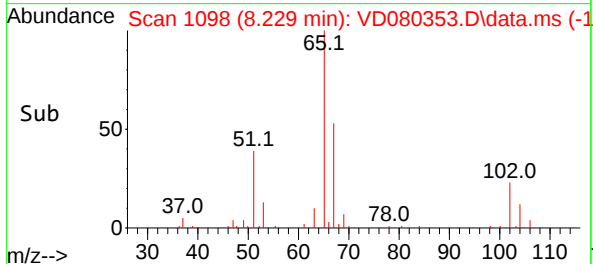
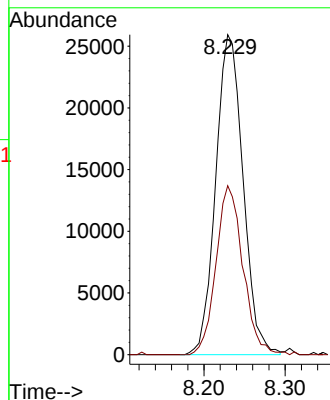
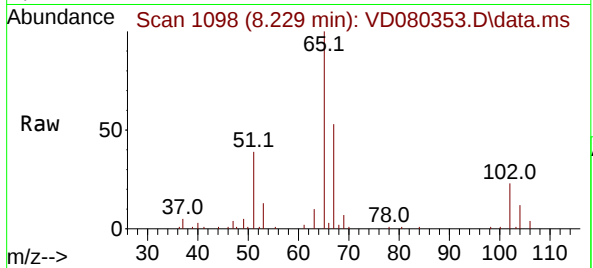




#33
 1,2-Dichloroethane-d4
 Concen: 45.565 ug/l
 RT: 8.229 min Scan# 1098
 Delta R.T. 0.001 min
 Lab File: VD080353.D
 Acq: 15 May 2025 17:17

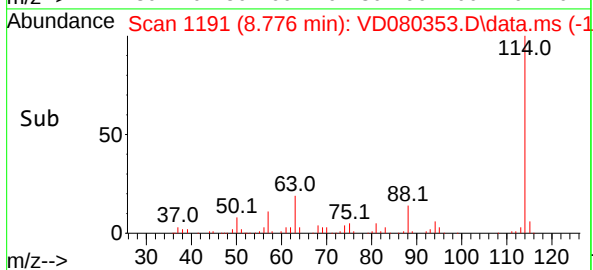
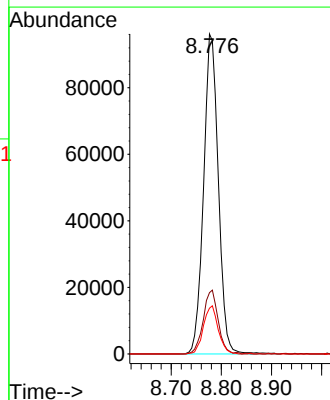
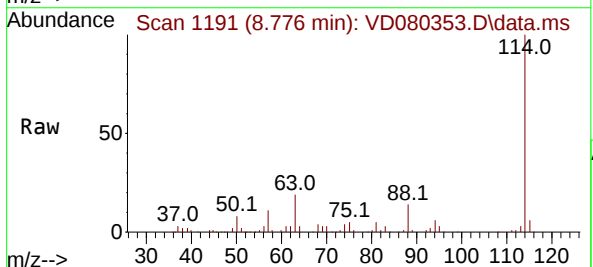
Instrument :
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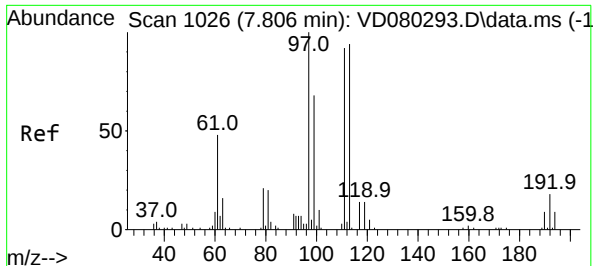
Tgt Ion: 65 Resp: 60700
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.776 min Scan# 1191
 Delta R.T. 0.001 min
 Lab File: VD080353.D
 Acq: 15 May 2025 17:17

Tgt Ion: 114 Resp: 196529
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.8
 88 14.3 0.0 30.6

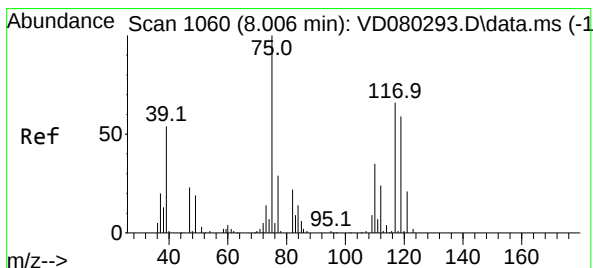
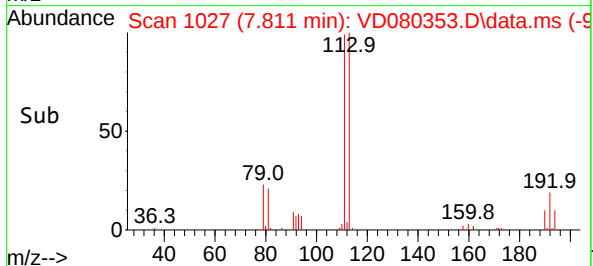
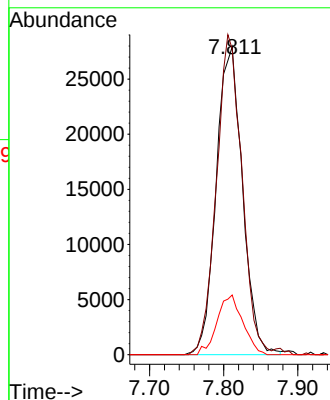
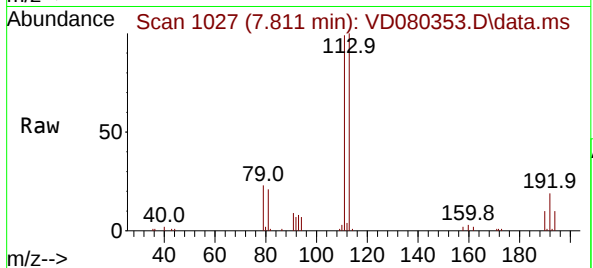




#35
Dibromofluoromethane
Concen: 52.226 ug/l
RT: 7.811 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

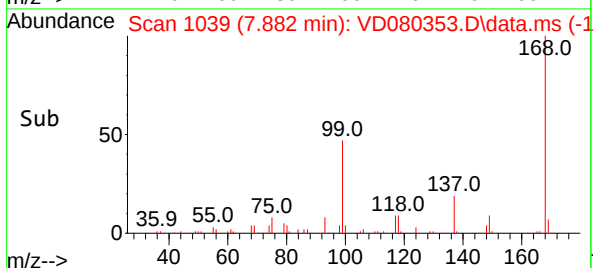
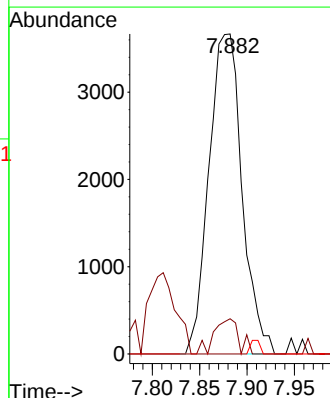
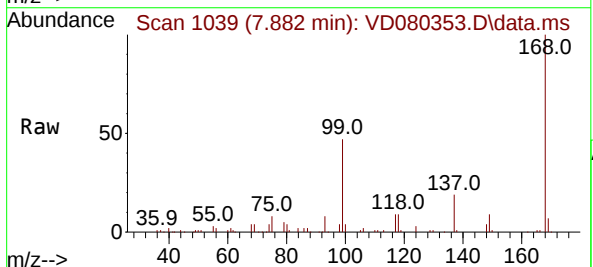
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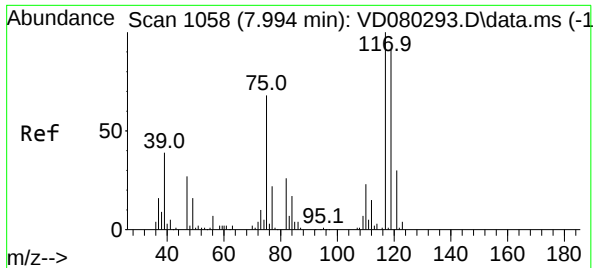
Tgt Ion:113 Resp: 68793
Ion Ratio Lower Upper
113 100
111 100.4 82.5 123.7
192 19.0 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.539 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. -0.123 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion: 75 Resp: 8935
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.0#
77 0.0 25.6 38.4#

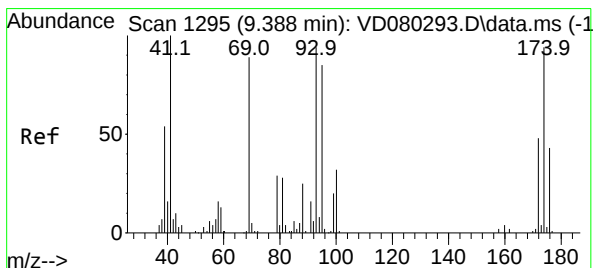
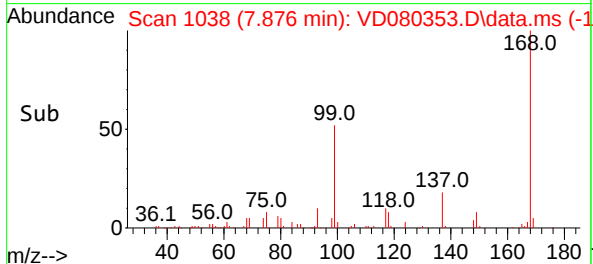
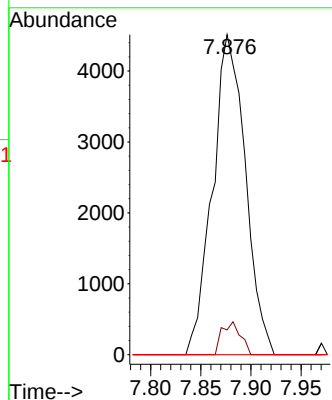
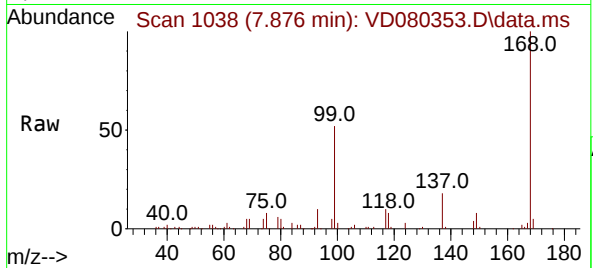




#38
Carbon Tetrachloride
Concen: 5.007 ug/l
RT: 7.876 min Scan# 1058
Delta R.T. -0.111 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

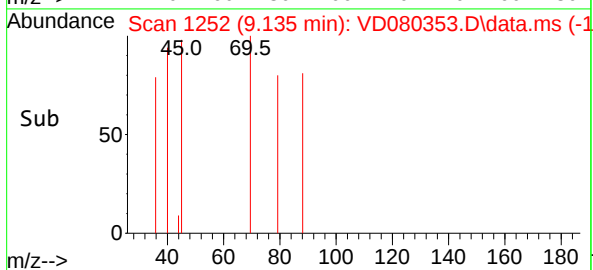
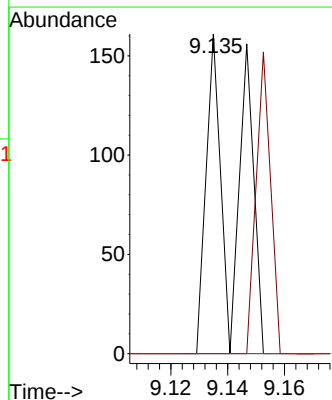
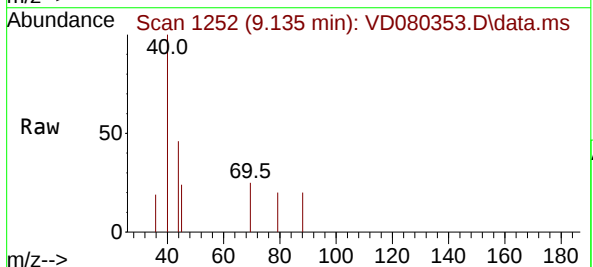
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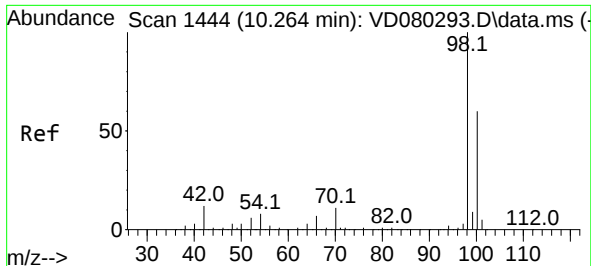
Tgt Ion:117 Resp: 10279
Ion Ratio Lower Upper
117 100
119 7.8 73.4 110.0#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 10.937 ug/l
RT: 9.135 min Scan# 1252
Delta R.T. -0.252 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 48.2 29.1 43.7#
58 0.0 59.9 89.9#

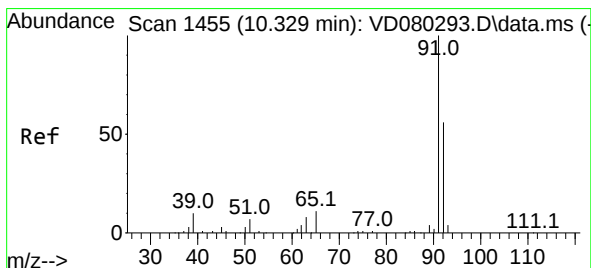
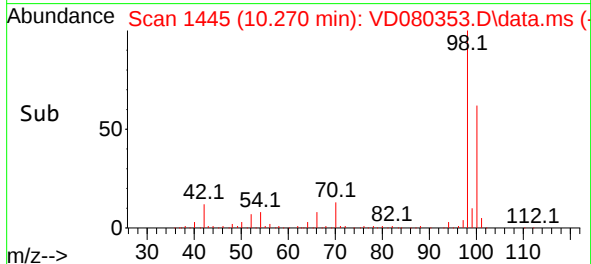
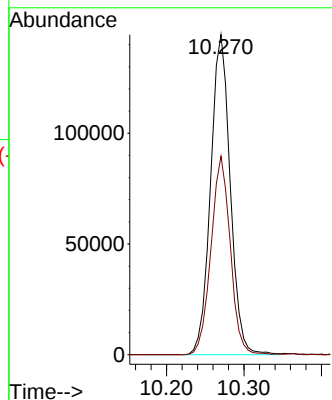
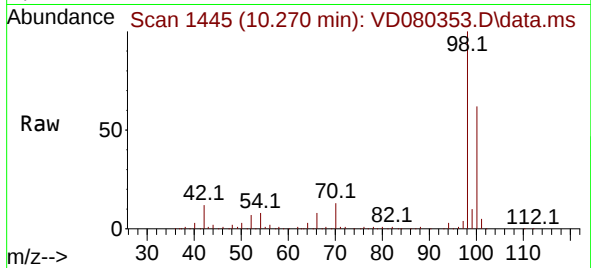




#50
Toluene-d8
Concen: 49.083 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

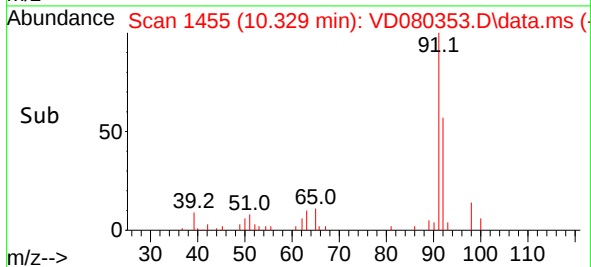
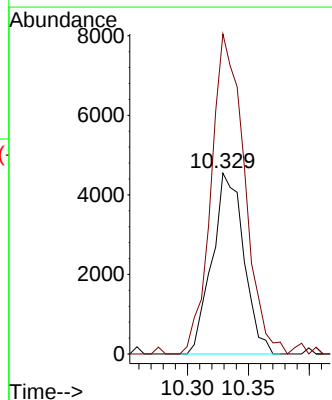
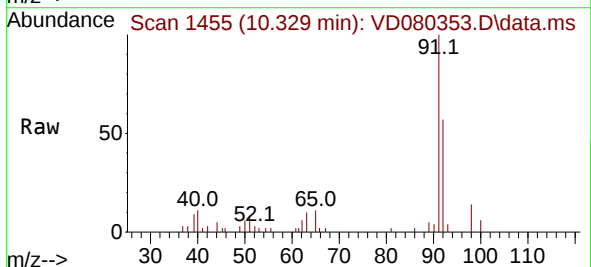
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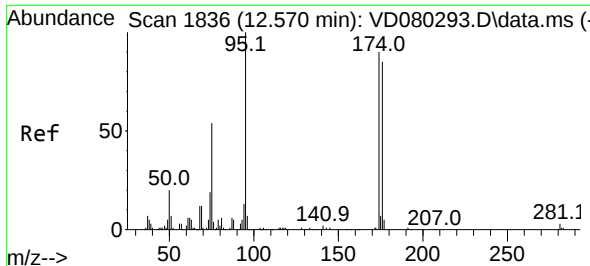
Tgt Ion: 98 Resp: 254741
Ion Ratio Lower Upper
98 100
100 61.0 50.2 75.4



#52
Toluene
Concen: 2.211 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. -0.005 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion: 92 Resp: 8218
Ion Ratio Lower Upper
92 100
91 186.0 139.3 208.9

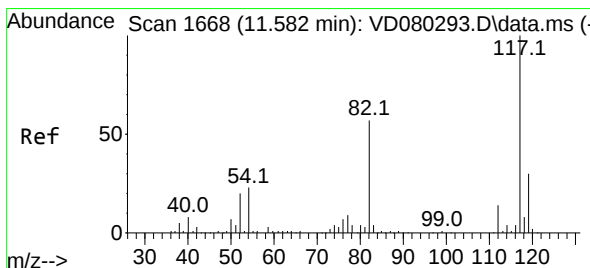
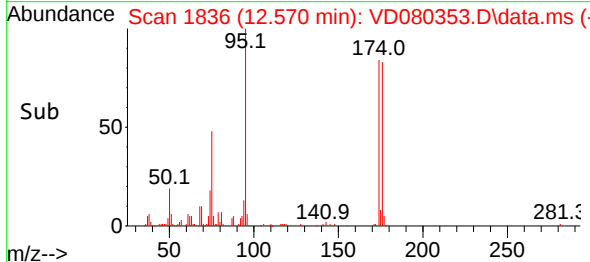
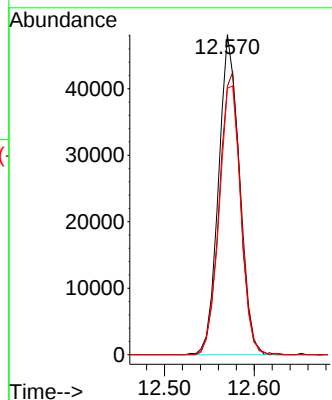
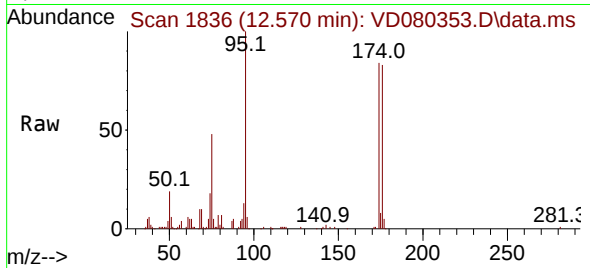




#62
4-Bromofluorobenzene
Concen: 46.227 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

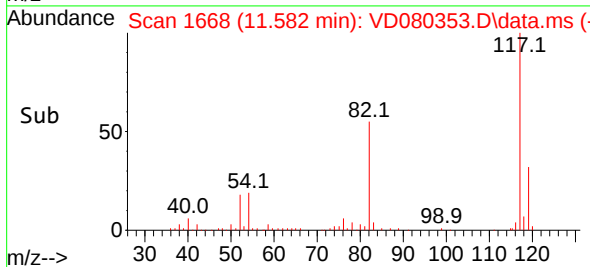
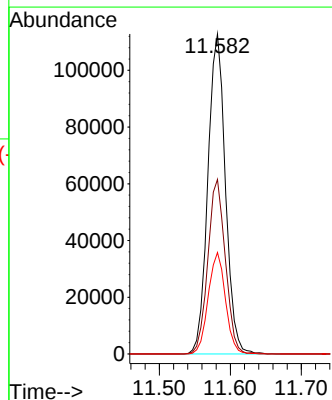
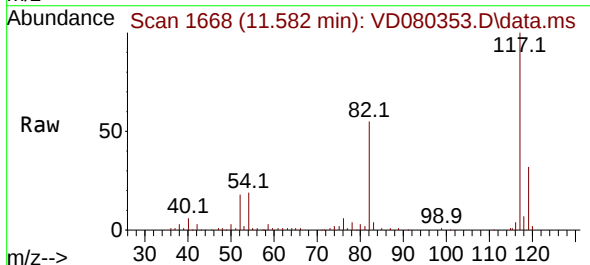
Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

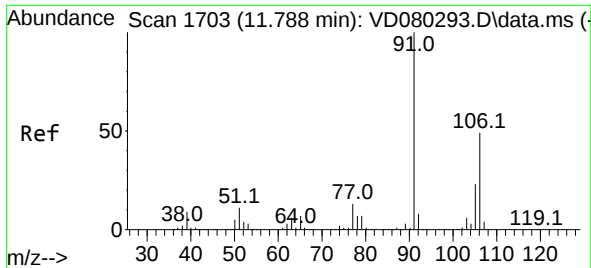
Tgt Ion: 95 Resp: 77005
Ion Ratio Lower Upper
95 100
174 92.0 0.0 173.4
176 87.9 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion: 117 Resp: 193622
Ion Ratio Lower Upper
117 100
82 54.5 45.8 68.6
119 31.7 26.2 39.2

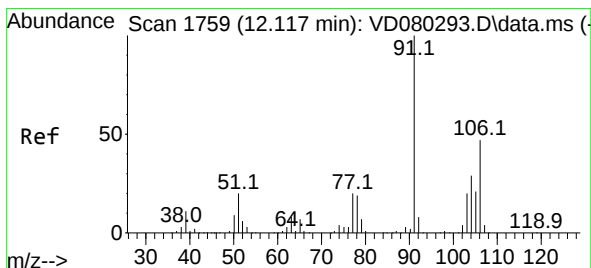
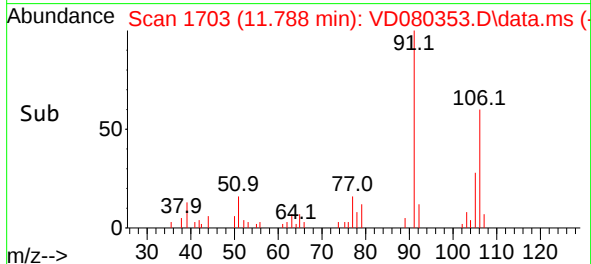
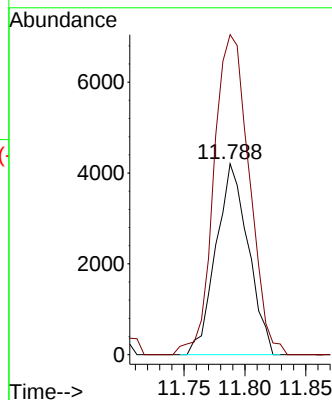
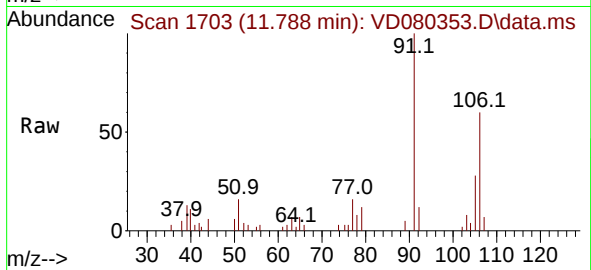




#68
m/p-Xylenes
Concen: 2.737 ug/l
RT: 11.788 min Scan# 1703
Delta R.T. -0.005 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

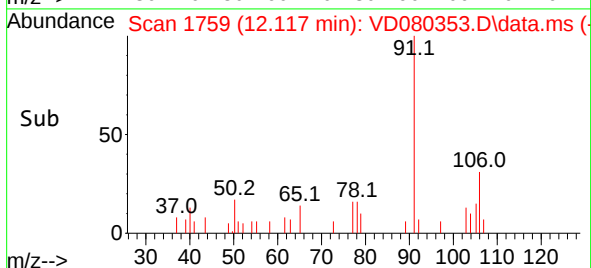
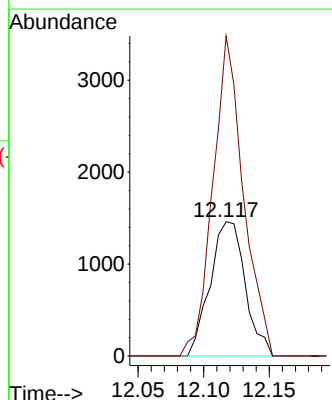
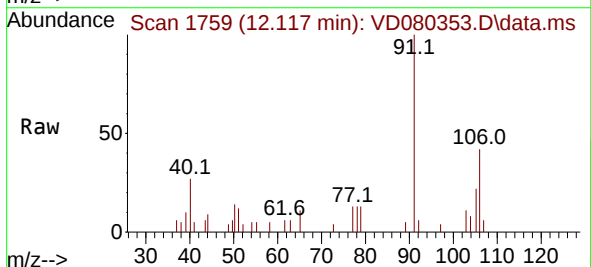
Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

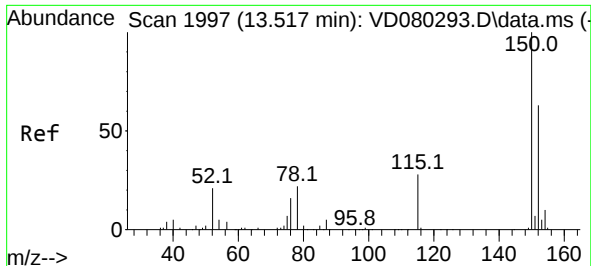
Tgt Ion:106 Resp: 7765
Ion Ratio Lower Upper
106 100
91 183.6 162.6 244.0



#69
o-Xylene
Concen: 1.048 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion:106 Resp: 2716
Ion Ratio Lower Upper
106 100
91 207.4 110.5 331.5

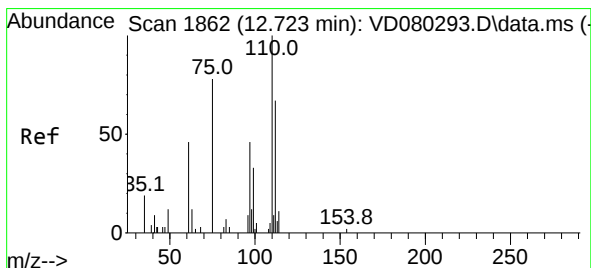
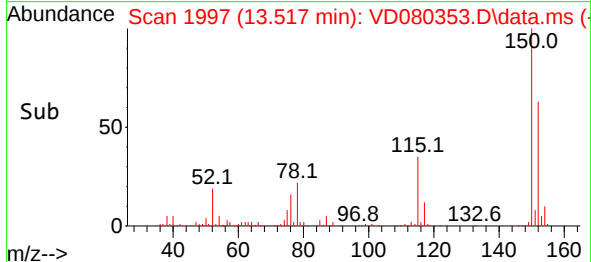
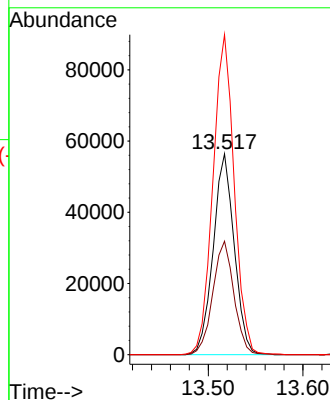
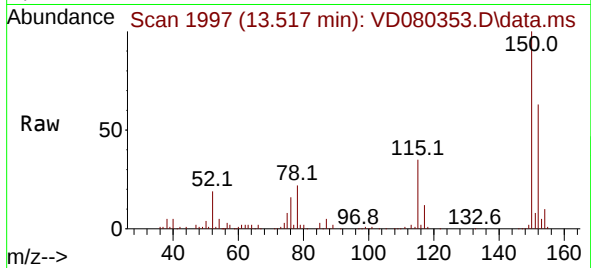




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080353.D
 Acq: 15 May 2025 17:17

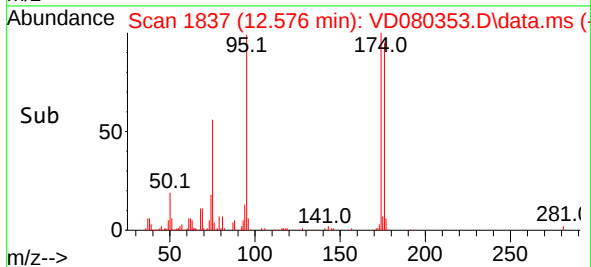
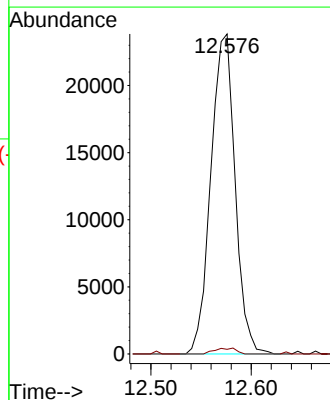
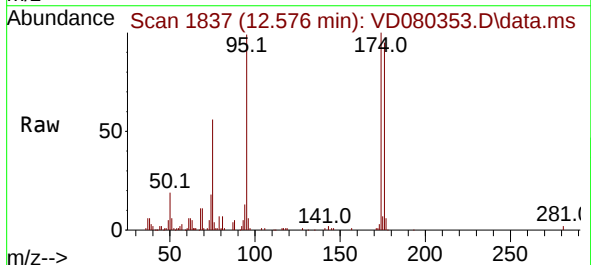
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-051425

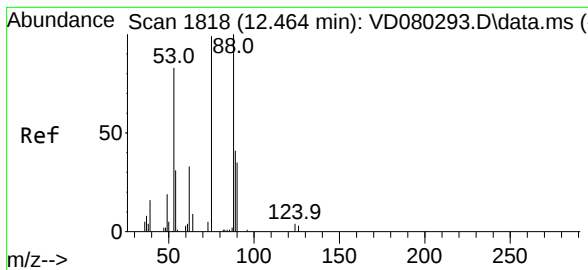
Tgt Ion:152 Resp: 87021
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.9 86.8
 150 161.1 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 47.686 ug/l
 RT: 12.576 min Scan# 1837
 Delta R.T. -0.146 min
 Lab File: VD080353.D
 Acq: 15 May 2025 17:17

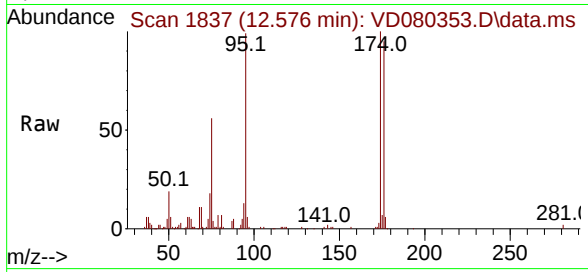
Tgt Ion: 75 Resp: 40050
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.516 ug/l
 RT: 12.576 min Scan# 11
 Delta R.T. 0.107 min
 Lab File: VD080353.D
 Acq: 15 May 2025 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-051425



Tgt Ion: 75 Resp: 40050
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.7 103.1#
 89 0.0 36.1 54.1#

