

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070124\
 Data File : VD079301.D
 Acq On : 01 Jul 2024 17:35
 Operator : RP/MD
 Sample : P3111-02
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 02 06:00:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 29 06:28:31 2024
 Response via : Initial Calibration

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

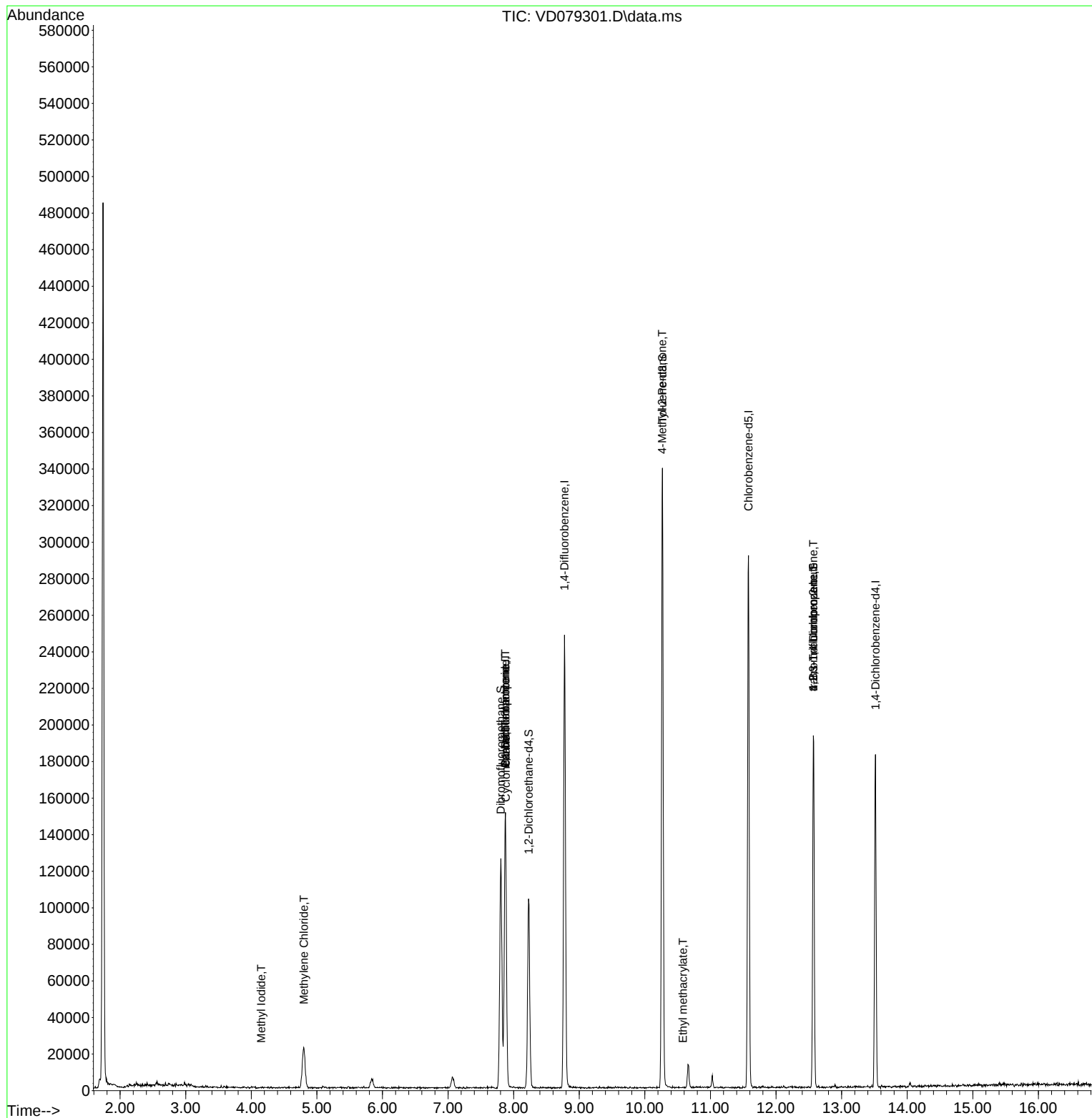
Internal Standards						
1) Pentafluorobenzene	7.875	168	107384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	212991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	172772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	47255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81066	79.621	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	159.240%
35) Dibromofluoromethane	7.804	113	92858	66.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	132.840%
50) Toluene-d8	10.269	98	242479	48.211	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.420%
62) 4-Bromofluorobenzene	12.569	95	64146	39.773	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.540%
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	293	Below Cal	#	19
10) Methyl Iodide	4.152	142	54	6.170	ug/l #	41
20) Methylene Chloride	4.805	84	18070	5.350	ug/l	88
31) Cyclohexane	7.881	56	2929	1.283	ug/l #	39
36) 1,1-Dichloropropene	7.875	75	9569	4.405	ug/l #	49
38) Carbon Tetrachloride	7.875	117	12973	5.881	ug/l #	19
51) 4-Methyl-2-Pentanone	10.263	43	949	1.143	ug/l #	1
56) Ethyl methacrylate	10.581	69	55	3.752	ug/l #	35
76) 1,2,3-Trichloropropane	12.569	75	33010	69.802	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	33010	129.526	ug/l #	19

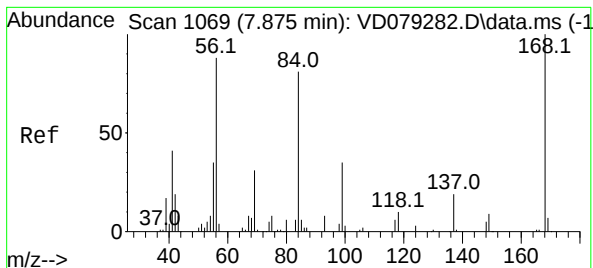
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070124\
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Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

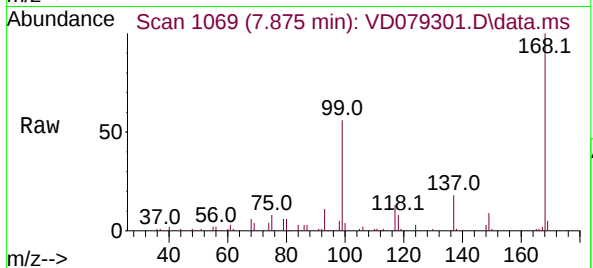
Quant Time: Jul 02 06:00:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 29 06:28:31 2024
Response via : Initial Calibration



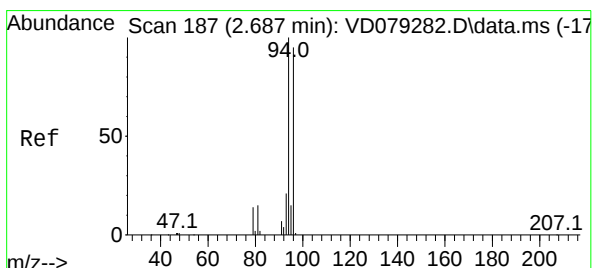
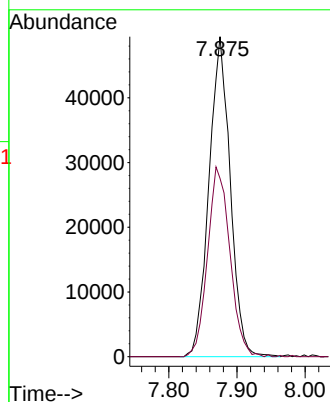
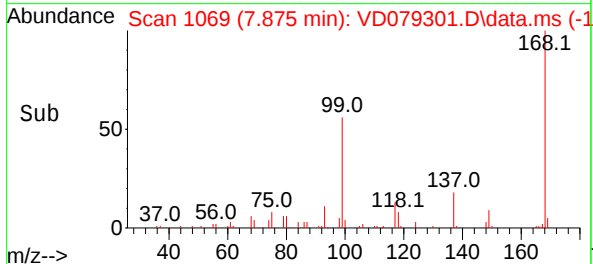


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

Instrument :
MSVOA_D
ClientSampleId :

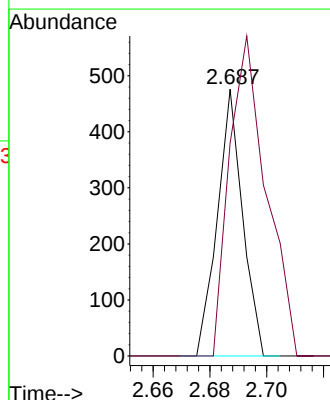
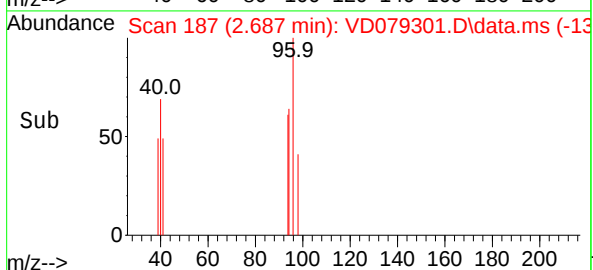
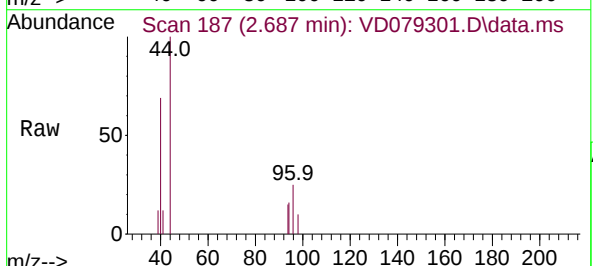


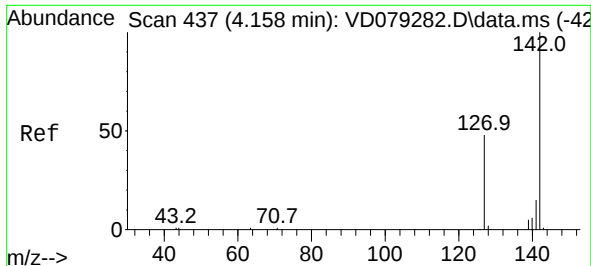
Tgt Ion:168 Resp: 107384
Ion Ratio Lower Upper
168 100
99 55.7 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.029 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

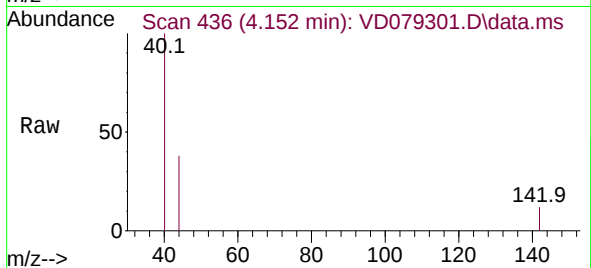
Tgt Ion: 94 Resp: 293
Ion Ratio Lower Upper
94 100
96 175.4 76.9 115.3#



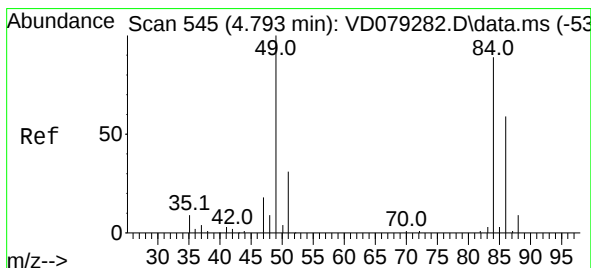
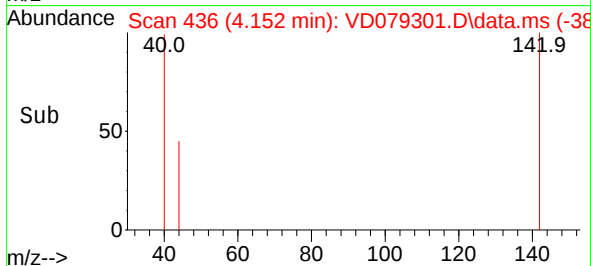
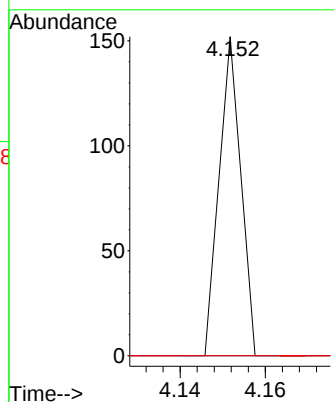


#10
Methyl Iodide
Concen: 6.170 ug/l
RT: 4.152 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

Instrument :
MSVOA_D
ClientSampleId :

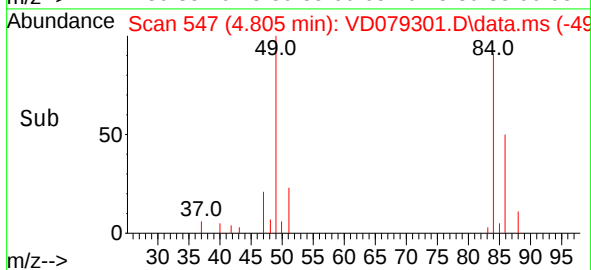
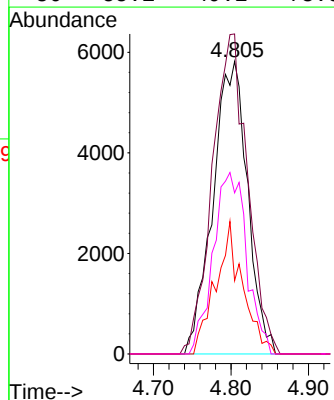
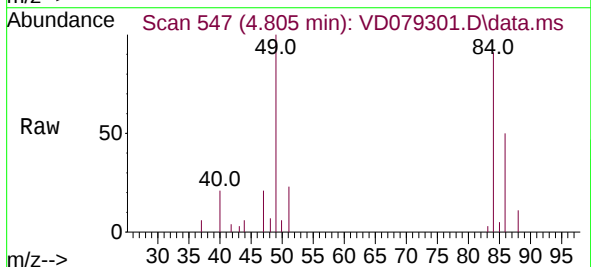


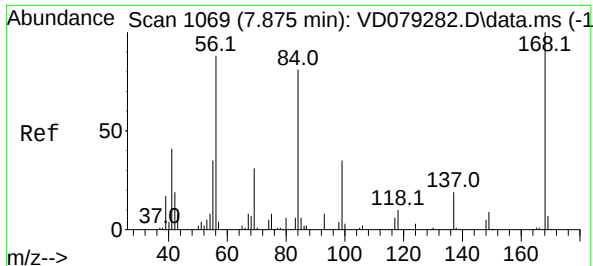
Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 34.2 51.4#
141 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 5.350 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.012 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

Tgt Ion: 84 Resp: 18070
Ion Ratio Lower Upper
84 100
49 109.4 75.6 113.4
51 25.0 24.2 36.2
86 55.1 49.2 73.8





#31

Cyclohexane

Concen: 1.283 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

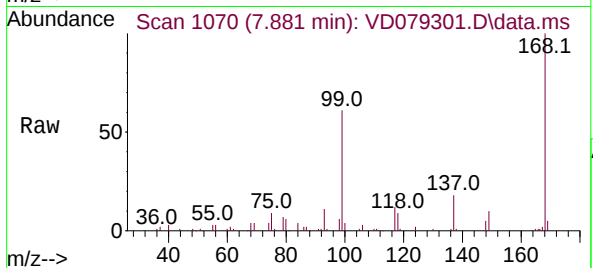
Lab File: VD079301.D

Acq: 01 Jul 2024 17:35

Instrument :

MSVOA_D

ClientSampleId :



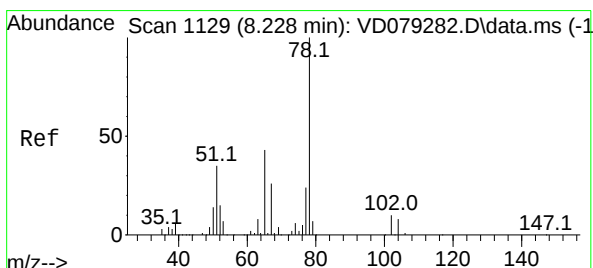
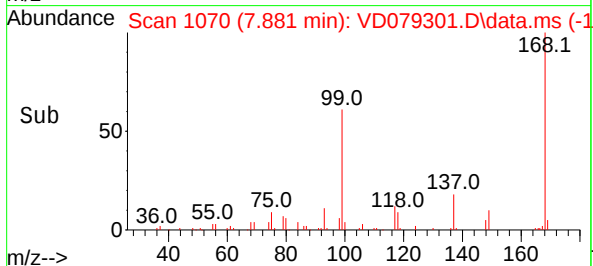
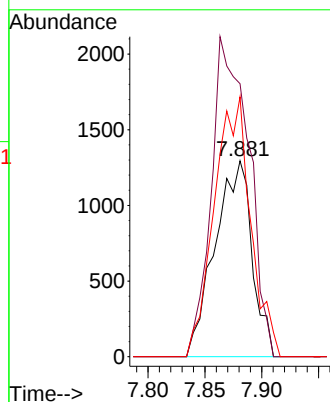
Tgt Ion: 56 Resp: 2929

Ion Ratio Lower Upper

56 100

69 139.3 28.0 42.0#

84 132.7 87.4 131.0#



#33

1,2-Dichloroethane-d4

Concen: 79.621 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079301.D

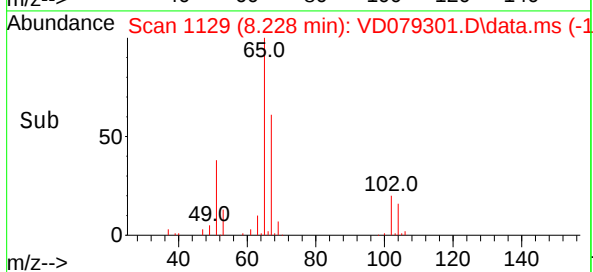
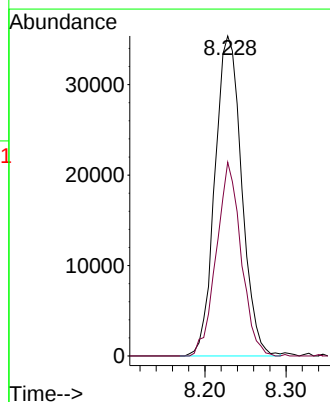
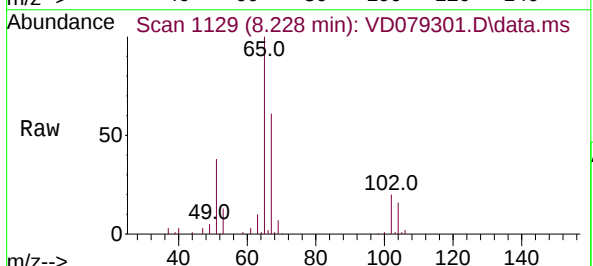
Acq: 01 Jul 2024 17:35

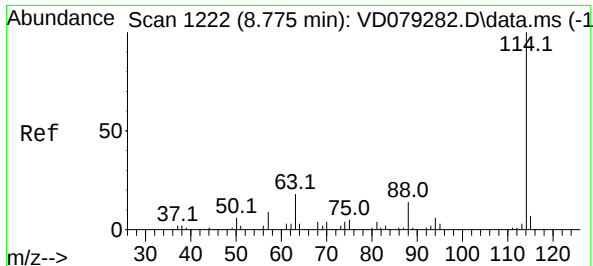
Tgt Ion: 65 Resp: 81066

Ion Ratio Lower Upper

65 100

67 56.1 0.0 111.0

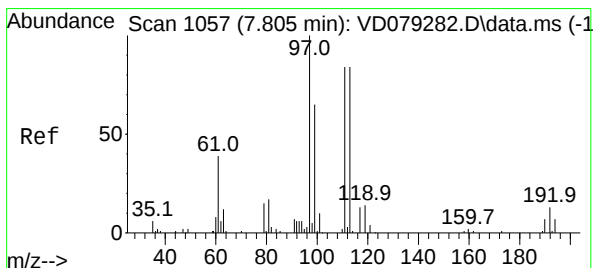
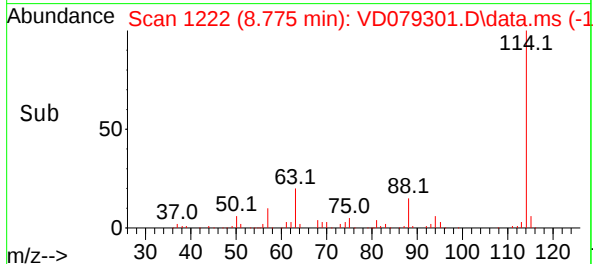
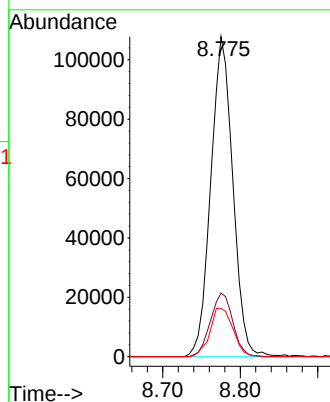
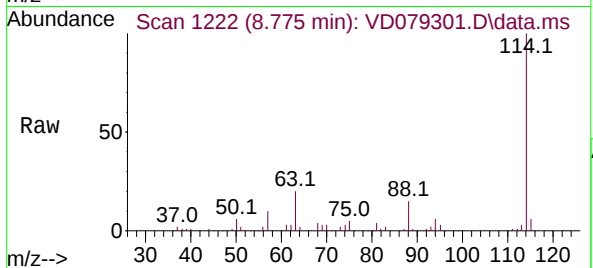




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

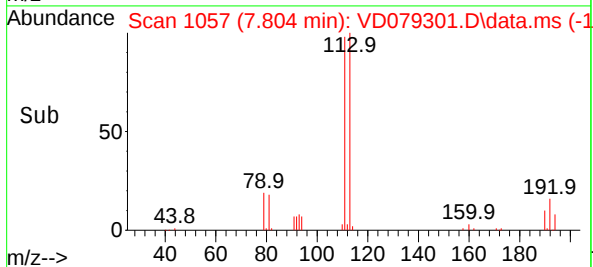
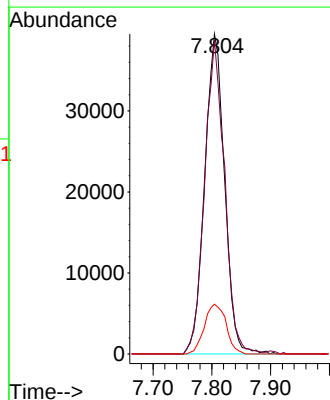
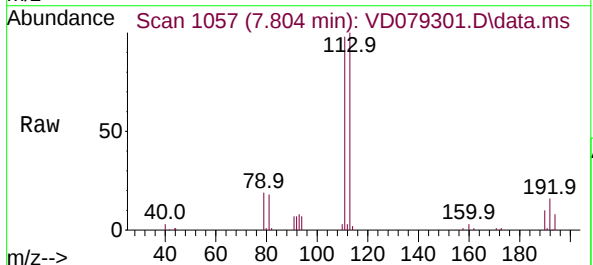
Instrument :
MSVOA_D
ClientSampleId :

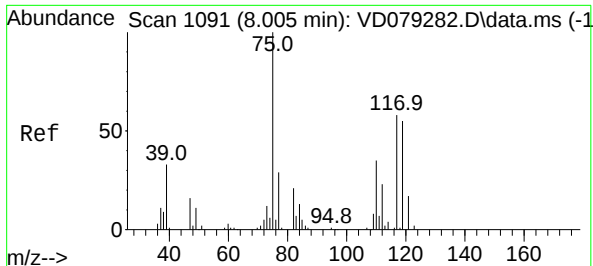
Tgt Ion:114 Resp: 212991
Ion Ratio Lower Upper
114 100
63 19.9 0.0 34.0
88 15.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 66.419 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

Tgt Ion:113 Resp: 92858
Ion Ratio Lower Upper
113 100
111 98.1 84.0 126.0
192 16.9 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.405 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD079301.D

Acq: 01 Jul 2024 17:35

Instrument :

MSVOA_D

ClientSampleId :

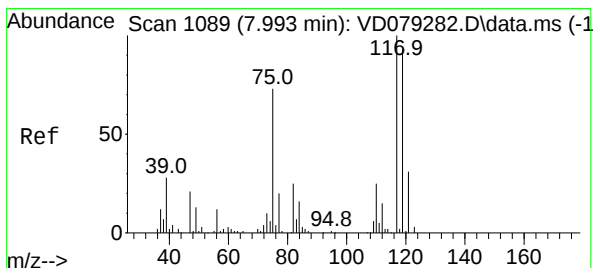
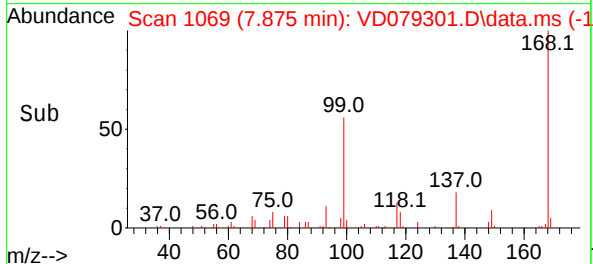
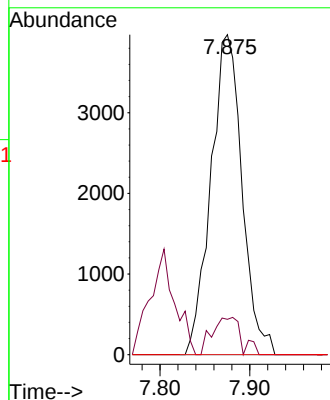
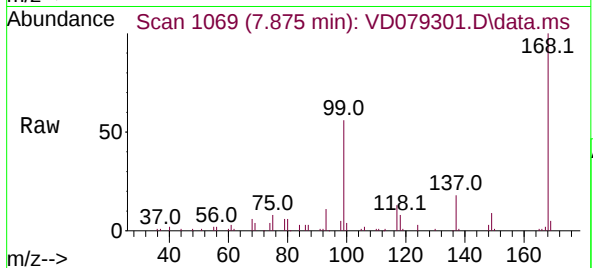
Tgt Ion: 75 Resp: 9569

Ion Ratio Lower Upper

75 100

110 11.0 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.881 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD079301.D

Acq: 01 Jul 2024 17:35

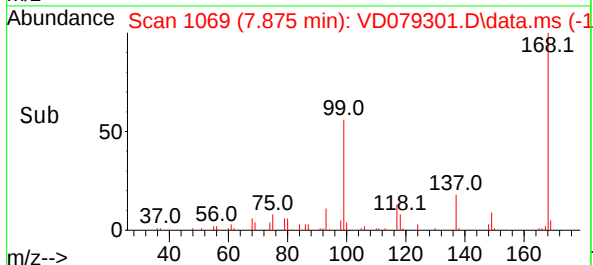
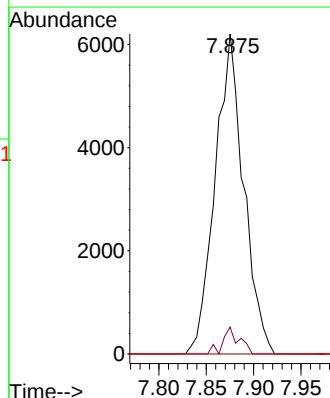
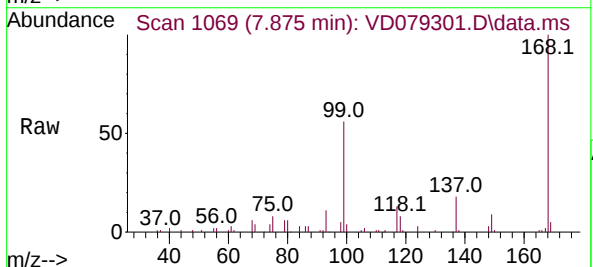
Tgt Ion: 117 Resp: 12973

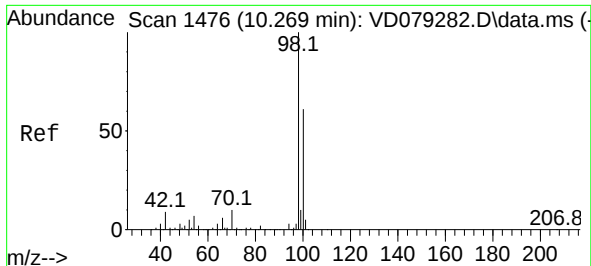
Ion Ratio Lower Upper

117 100

119 8.4 75.4 113.0#

121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 48.211 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD079301.D

Acq: 01 Jul 2024 17:35

Instrument :

MSVOA_D

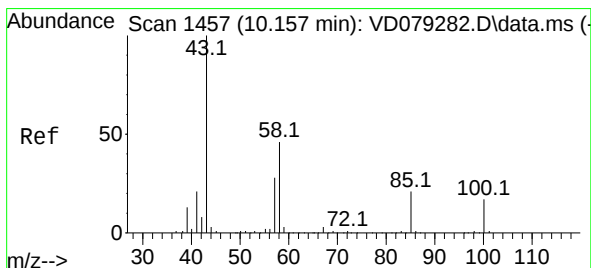
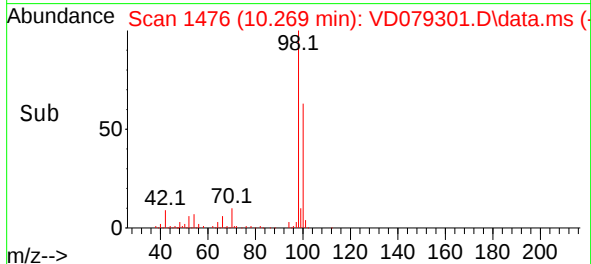
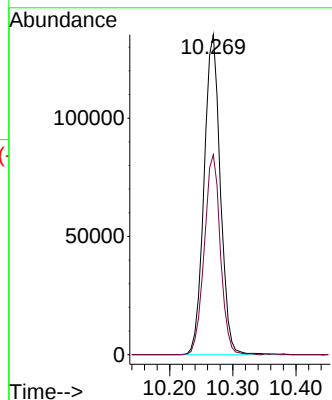
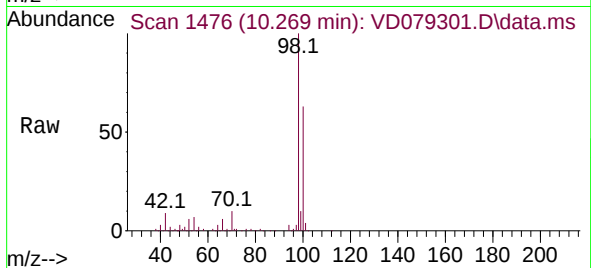
ClientSampleId :

Tgt Ion: 98 Resp: 242479

Ion Ratio Lower Upper

98 100

100 61.7 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.143 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. 0.106 min

Lab File: VD079301.D

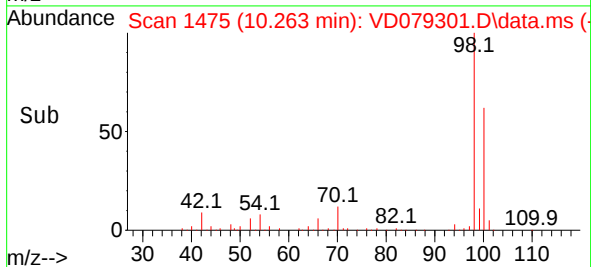
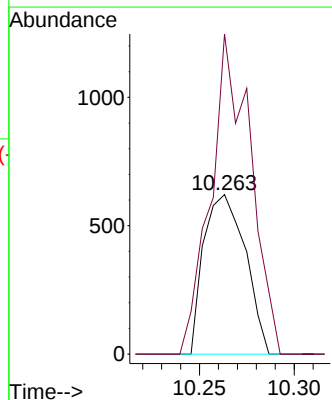
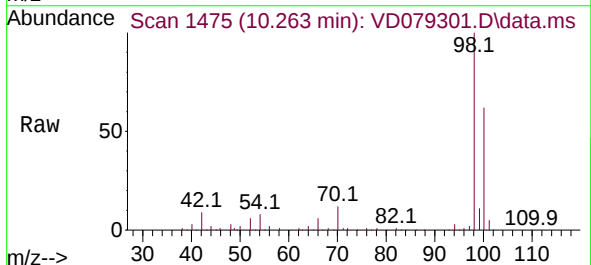
Acq: 01 Jul 2024 17:35

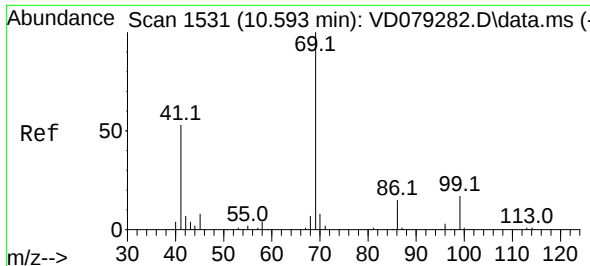
Tgt Ion: 43 Resp: 949

Ion Ratio Lower Upper

43 100

58 192.1 36.6 55.0#

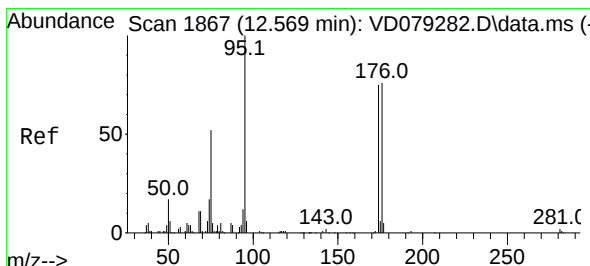
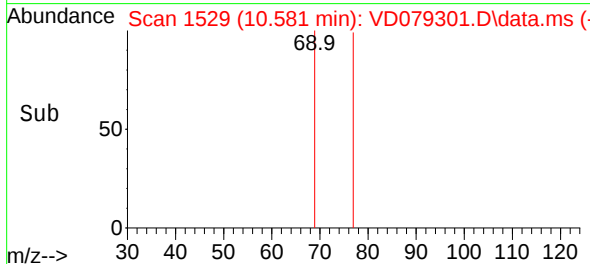
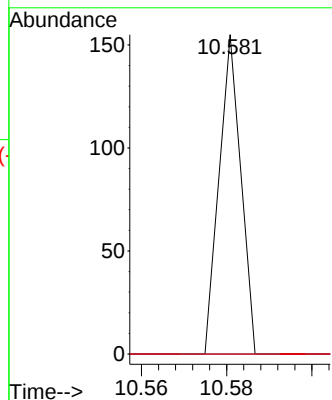
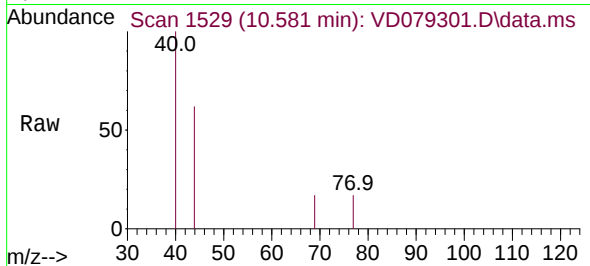




#56
Ethyl methacrylate
Concen: 3.752 ug/l
RT: 10.581 min Scan# 1529
Delta R.T. -0.012 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

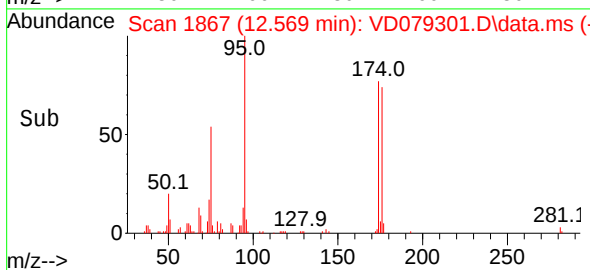
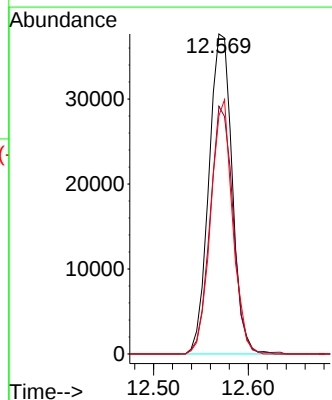
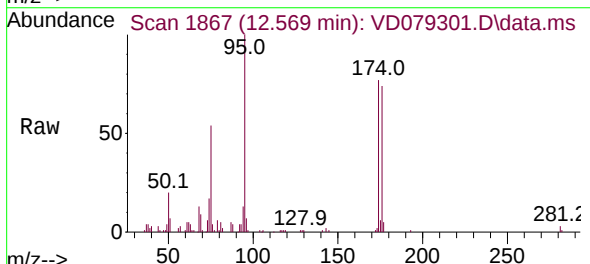
Instrument :
MSVOA_D
ClientSampleId :

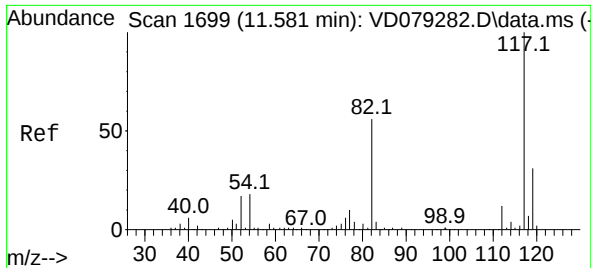
Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 39.8 59.6#
39 0.0 20.2 30.4#



#62
4-Bromofluorobenzene
Concen: 39.773 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

Tgt Ion: 95 Resp: 64146
Ion Ratio Lower Upper
95 100
174 76.8 0.0 195.4
176 74.7 0.0 192.6

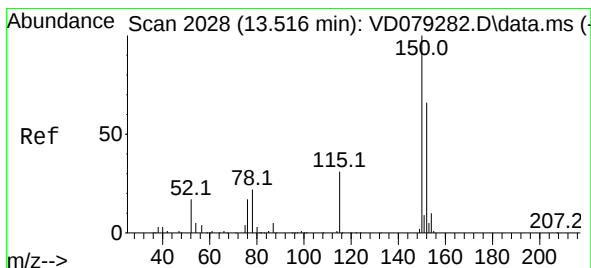
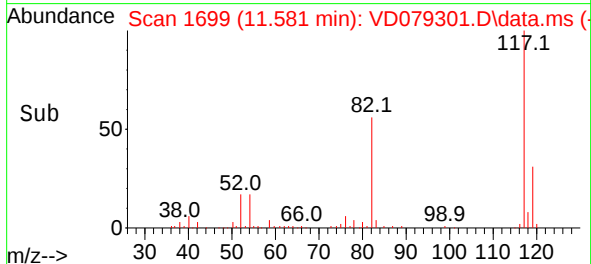
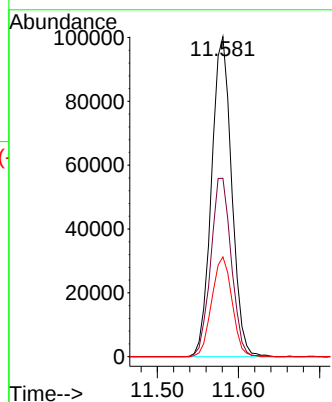
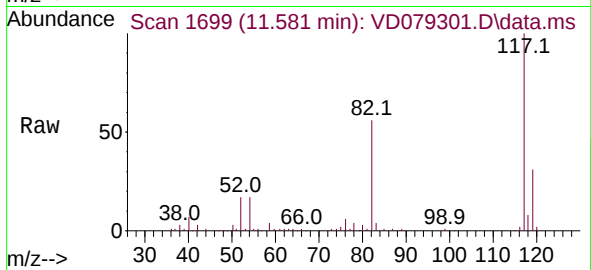




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

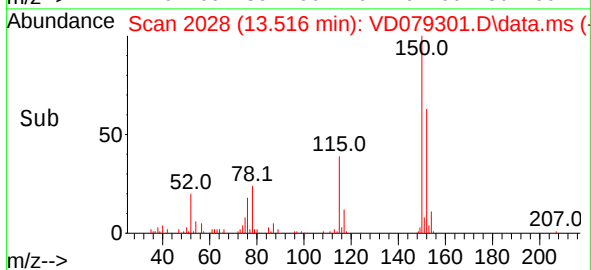
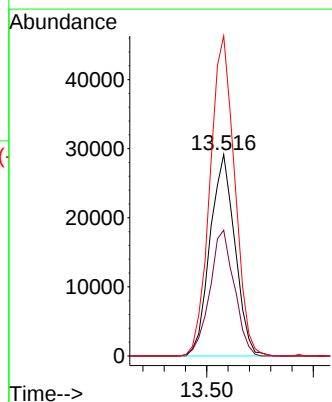
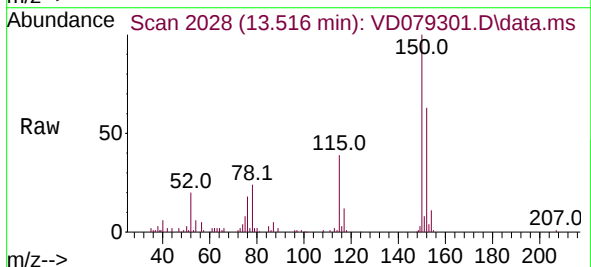
Instrument :
MSVOA_D
ClientSampleId :

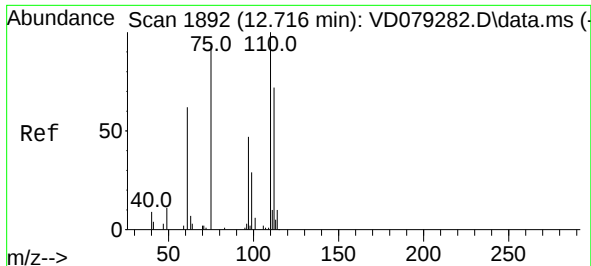
Tgt Ion:117 Resp: 172772
Ion Ratio Lower Upper
117 100
82 55.7 39.8 59.6
119 31.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

Tgt Ion:152 Resp: 47255
Ion Ratio Lower Upper
152 100
115 61.6 26.5 79.5
150 157.5 0.0 341.6

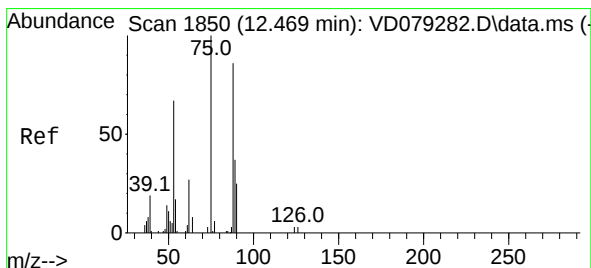
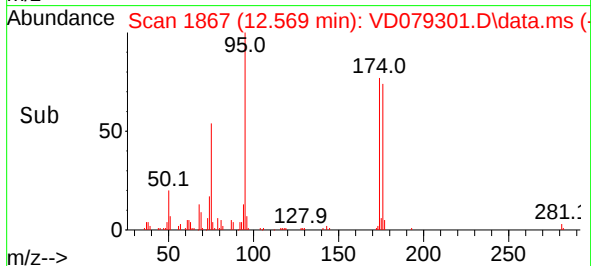
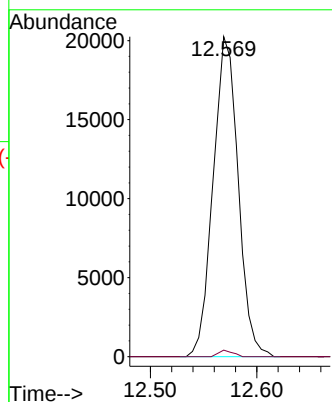
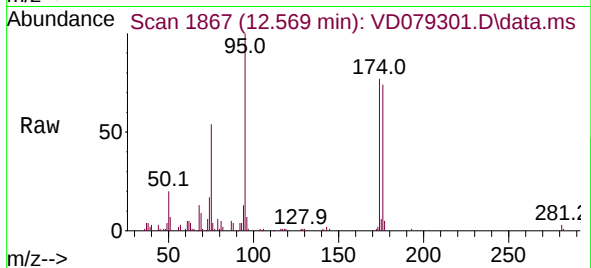




#76
1,2,3-Trichloropropane
Concen: 69.802 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 33010
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.526 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079301.D
Acq: 01 Jul 2024 17:35

Tgt Ion: 75 Resp: 33010
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

