

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079483.D
 Acq On : 31 Jul 2024 05:08
 Operator : RP/MD
 Sample : P3374-06
 Misc : 9.40G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-861-K2-SO-13.5-14-072024

Quant Time: Jul 31 08:21:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

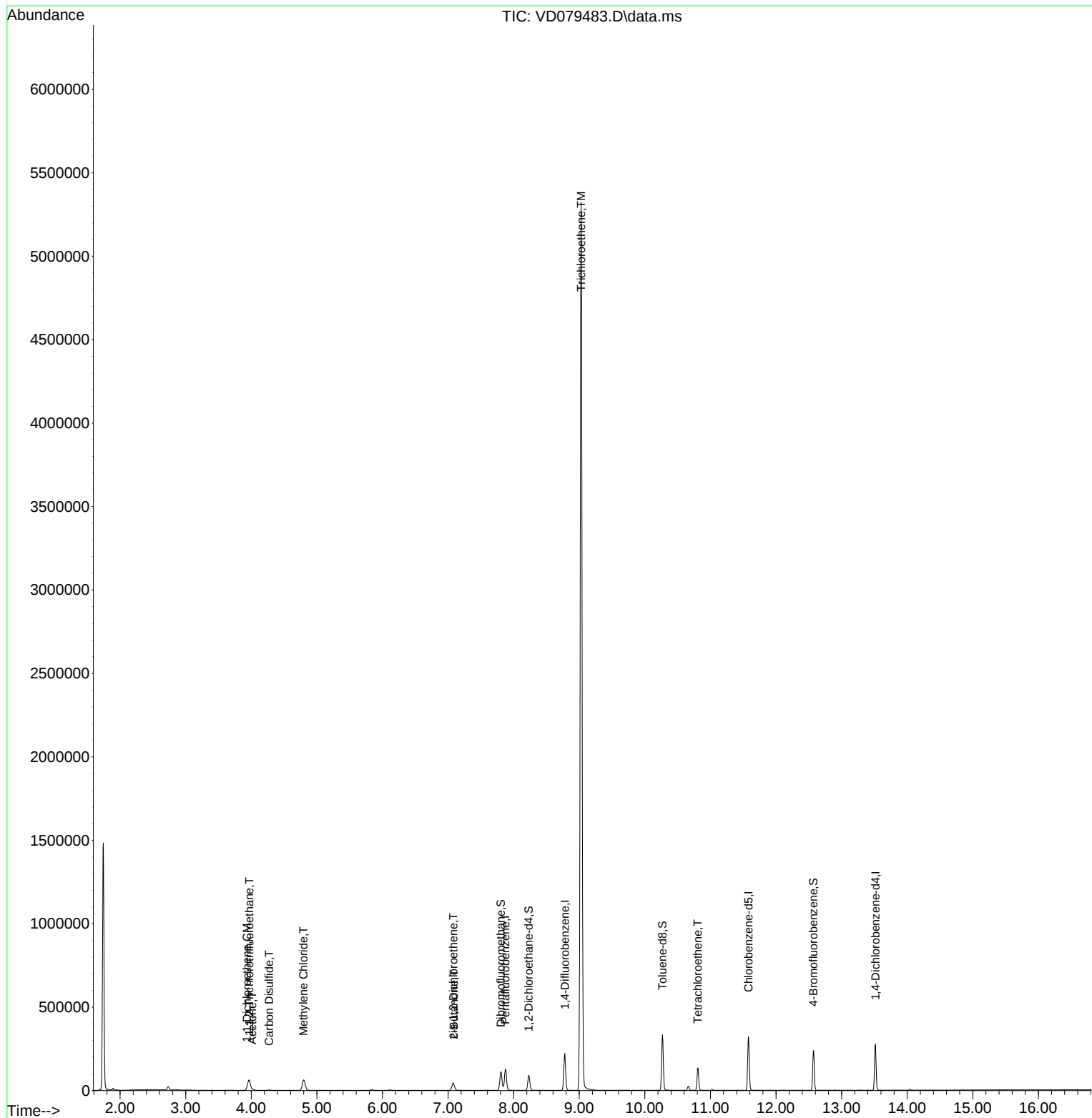
Internal Standards						
1) Pentafluorobenzene	7.875	168	104179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	200868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	195815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	79463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	70211	66.339	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.680%	
35) Dibromofluoromethane	7.804	113	81440	59.901	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.800%	
50) Toluene-d8	10.269	98	239647	45.390	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.780%	
62) 4-Bromofluorobenzene	12.569	95	66107	43.268	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.540%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	3.969	101	42026	37.363	ug/l	99
12) 1,1-Dichloroethene	3.934	96	3865	3.434	ug/l	88
16) Acetone	4.016	43	10299	50.072	ug/l #	77
17) Carbon Disulfide	4.269	76	4795	1.291	ug/l	99
20) Methylene Chloride	4.793	84	51991	28.540	ug/l	93
25) 2-Butanone	7.087	43	1646	5.645	ug/l #	56
27) cis-1,2-Dichloroethene	7.081	96	24062	16.647	ug/l	96
44) Trichloroethene	9.028	130	2011007	1370.648	ug/l	97
64) Tetrachloroethene	10.804	164	33869	25.651	ug/l	86

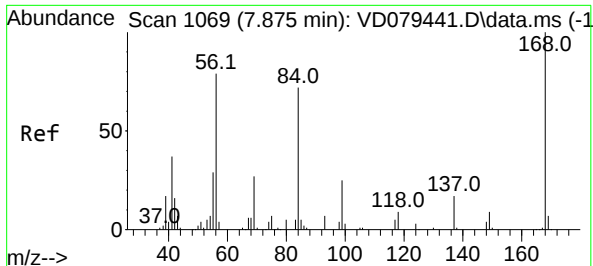
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration

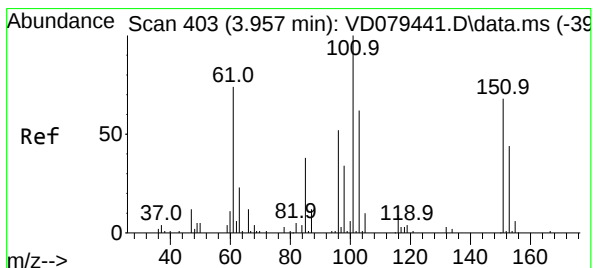
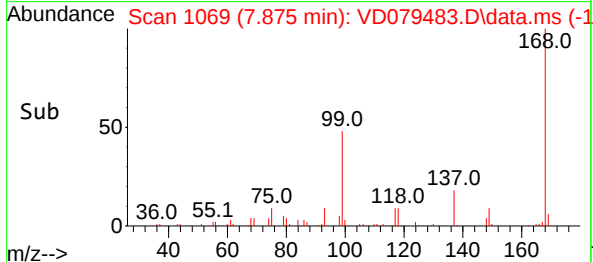
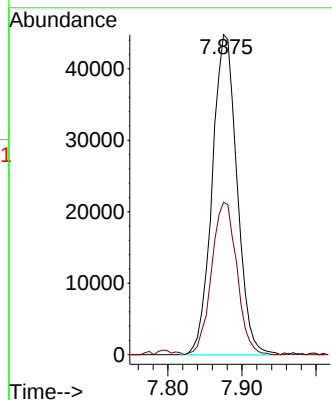
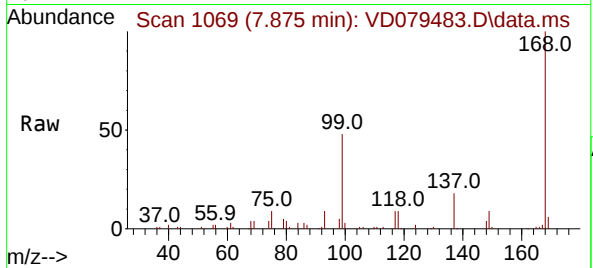




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079483.D
Acq: 31 Jul 2024 05:08

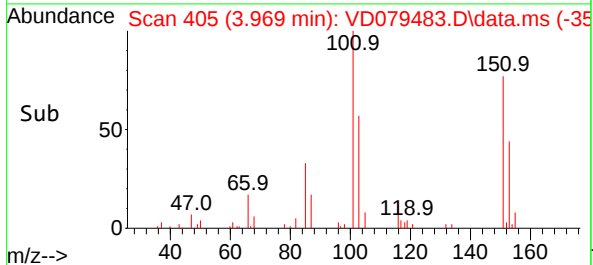
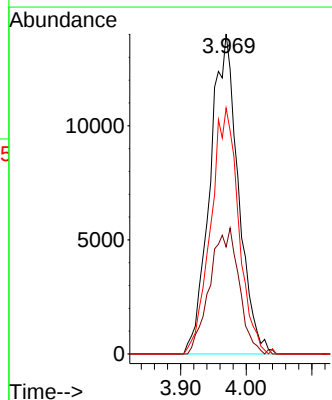
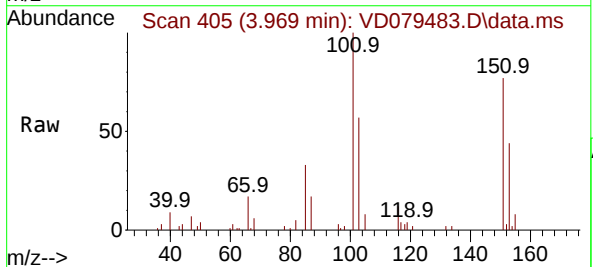
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024

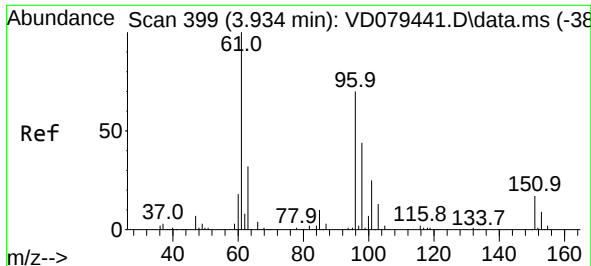
Tgt Ion:168 Resp: 104179
Ion Ratio Lower Upper
168 100
99 47.6 41.1 61.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 37.363 ug/l
RT: 3.969 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD079483.D
Acq: 31 Jul 2024 05:08

Tgt Ion:101 Resp: 42026
Ion Ratio Lower Upper
101 100
85 40.3 33.5 50.3
151 75.7 60.3 90.5





#12

1,1-Dichloroethene

Concen: 3.434 ug/l

RT: 3.934 min Scan# 399

Delta R.T. 0.006 min

Lab File: VD079483.D

Acq: 31 Jul 2024 05:08

Instrument :

MSVOA_D

ClientSampleId :

S-861-K2-SO-13.5-14-072024

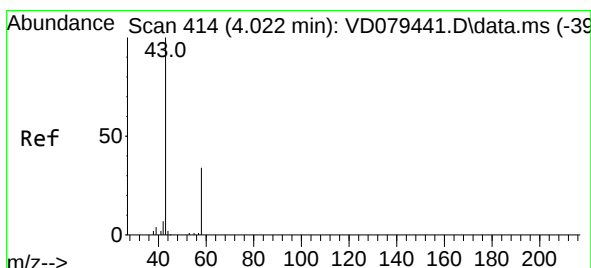
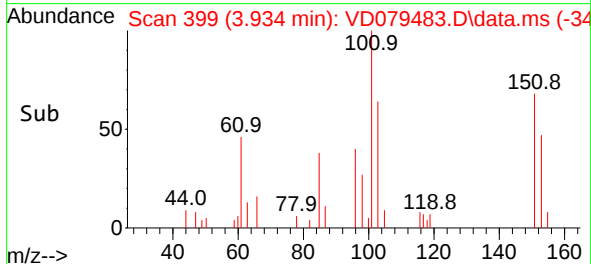
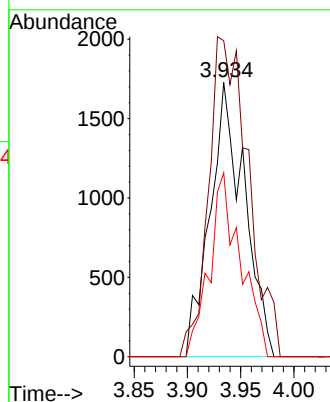
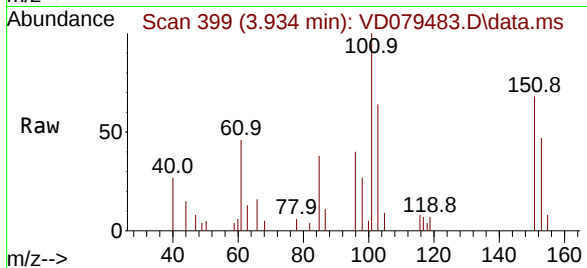
Tgt Ion: 96 Resp: 3865

Ion Ratio Lower Upper

96 100

61 115.2 107.3 160.9

98 67.0 51.7 77.5



#16

Acetone

Concen: 50.072 ug/l

RT: 4.016 min Scan# 413

Delta R.T. -0.006 min

Lab File: VD079483.D

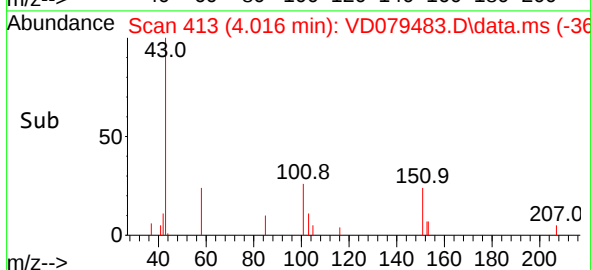
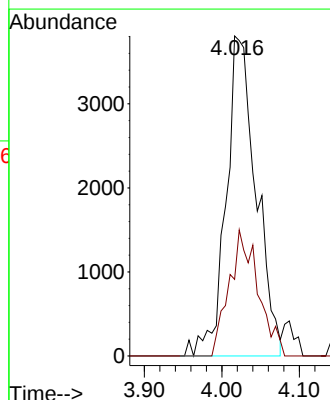
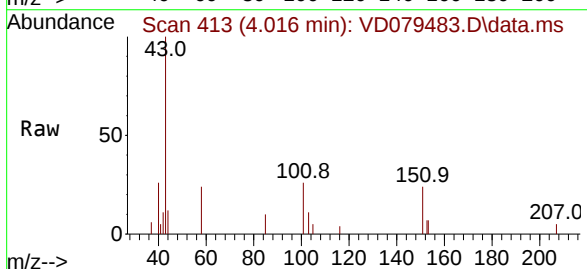
Acq: 31 Jul 2024 05:08

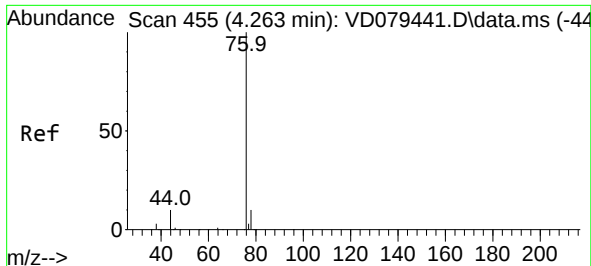
Tgt Ion: 43 Resp: 10299

Ion Ratio Lower Upper

43 100

58 23.9 30.4 45.6#

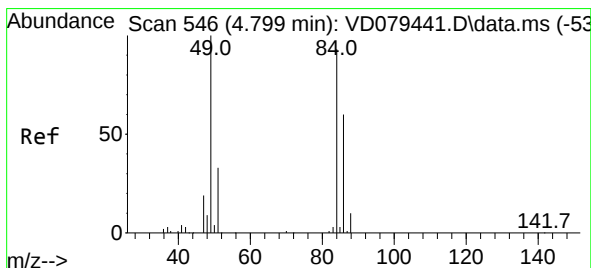
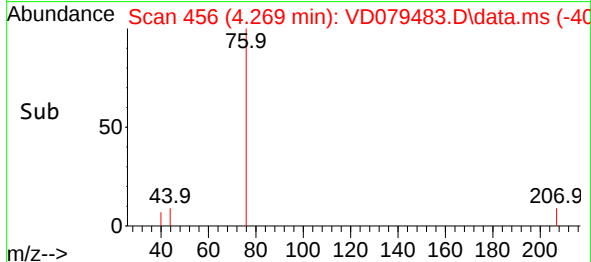
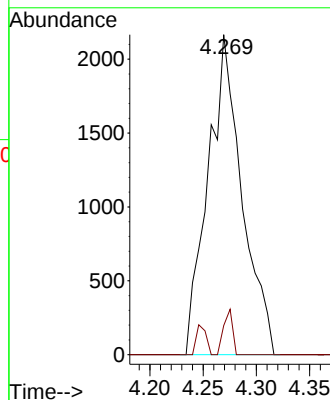
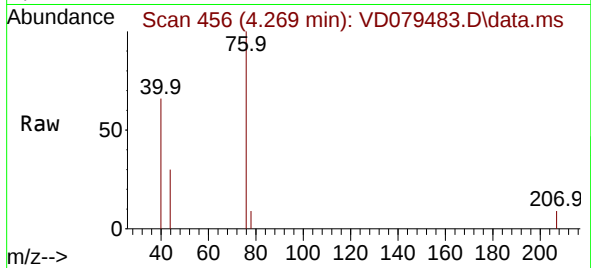




#17
Carbon Disulfide
Concen: 1.291 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD079483.D
Acq: 31 Jul 2024 05:08

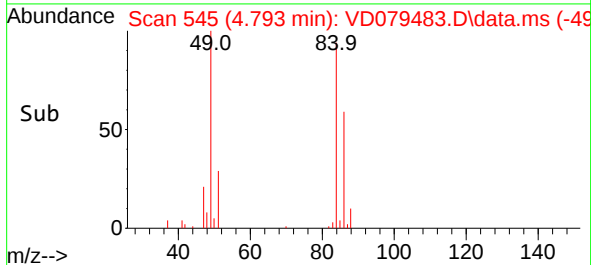
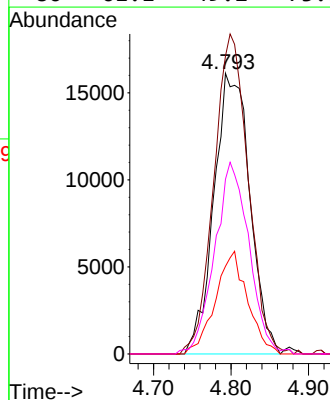
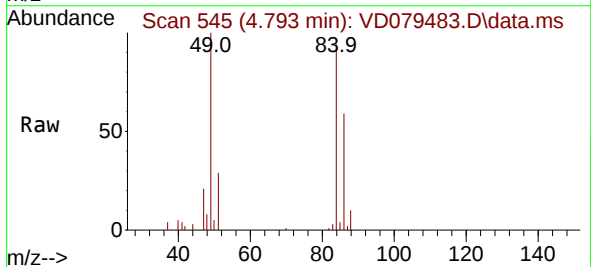
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024

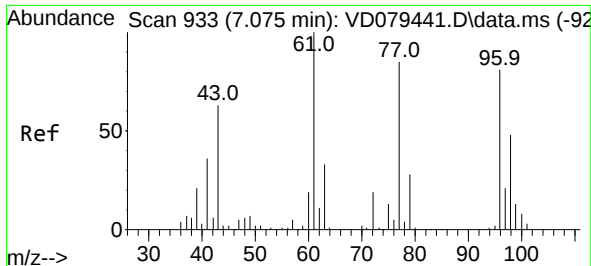
Tgt Ion: 76 Resp: 4795
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3



#20
Methylene Chloride
Concen: 28.540 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD079483.D
Acq: 31 Jul 2024 05:08

Tgt Ion: 84 Resp: 51991
Ion Ratio Lower Upper
84 100
49 106.2 75.6 113.4
51 31.3 24.2 36.2
86 61.1 49.2 73.8

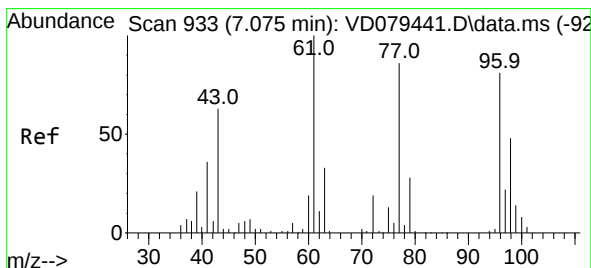
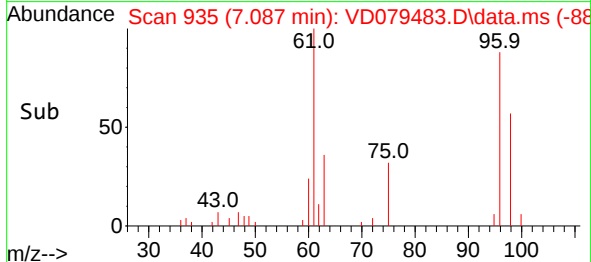
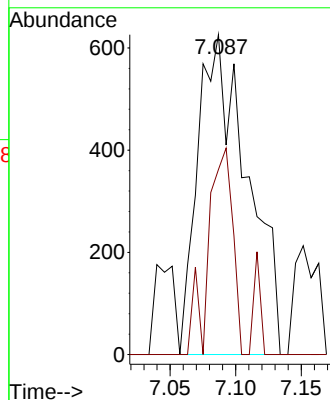
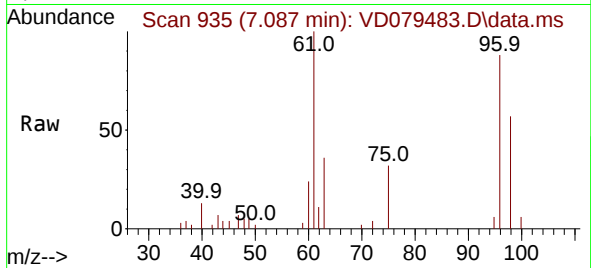




#25
2-Butanone
Concen: 5.645 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD079483.D
Acq: 31 Jul 2024 05:08

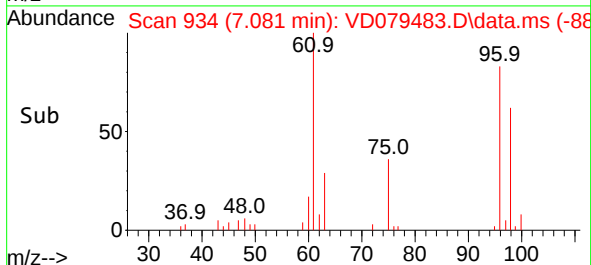
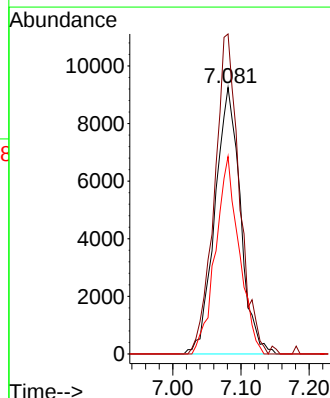
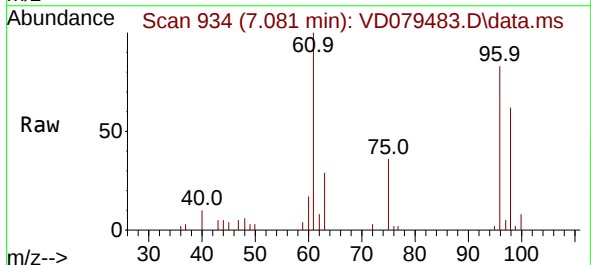
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024

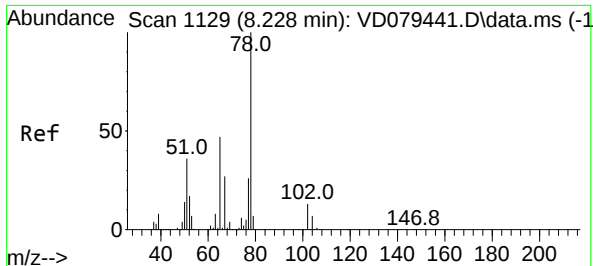
Tgt Ion: 43 Resp: 1646
Ion Ratio Lower Upper
43 100
72 57.8 26.4 39.6#



#27
cis-1,2-Dichloroethene
Concen: 16.647 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD079483.D
Acq: 31 Jul 2024 05:08

Tgt Ion: 96 Resp: 24062
Ion Ratio Lower Upper
96 100
61 117.2 0.0 229.0
98 68.8 0.0 127.2





#33

1,2-Dichloroethane-d4

Concen: 66.339 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079483.D

Acq: 31 Jul 2024 05:08

Instrument :

MSVOA_D

ClientSampleId :

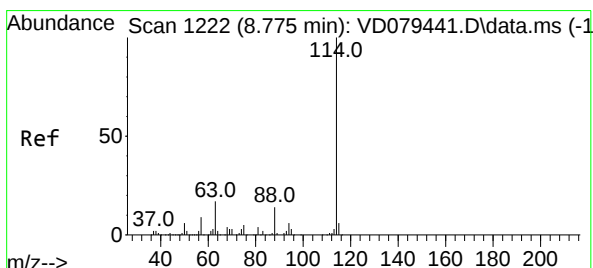
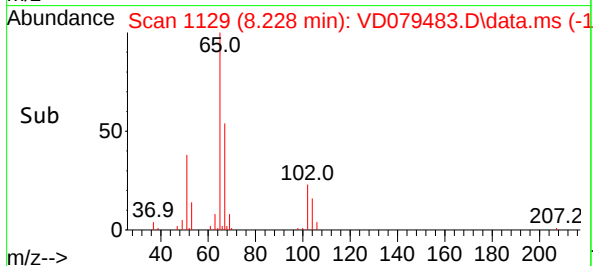
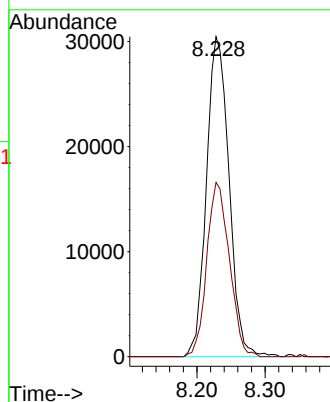
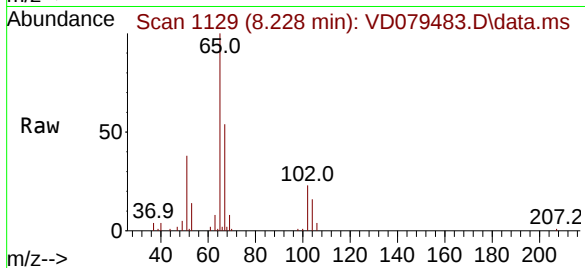
S-861-K2-SO-13.5-14-072024

Tgt Ion: 65 Resp: 70211

Ion Ratio Lower Upper

65 100

67 54.5 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD079483.D

Acq: 31 Jul 2024 05:08

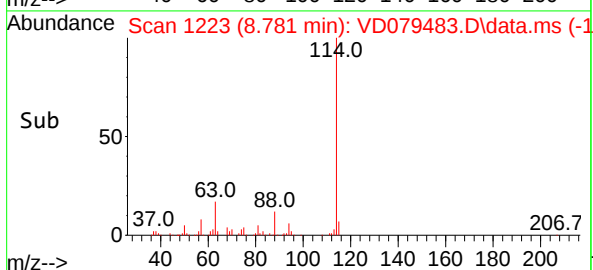
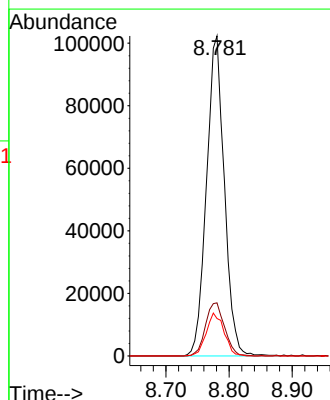
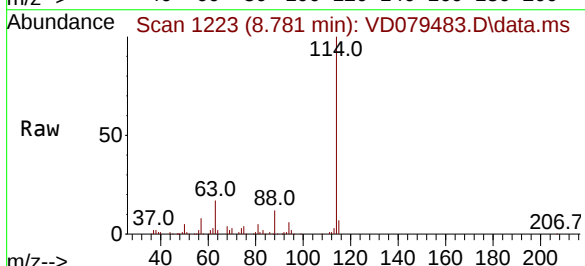
Tgt Ion: 114 Resp: 200868

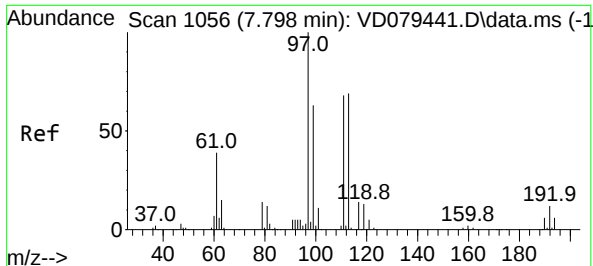
Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.0

88 11.7 0.0 27.2





#35

Dibromofluoromethane

Concen: 59.901 ug/l

RT: 7.804 min Scan# 113

Delta R.T. -0.000 min

Lab File: VD079483.D

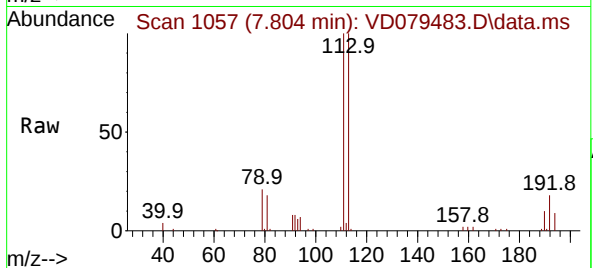
Acq: 31 Jul 2024 05:08

Instrument :

MSVOA_D

ClientSampleId :

S-861-K2-SO-13.5-14-072024



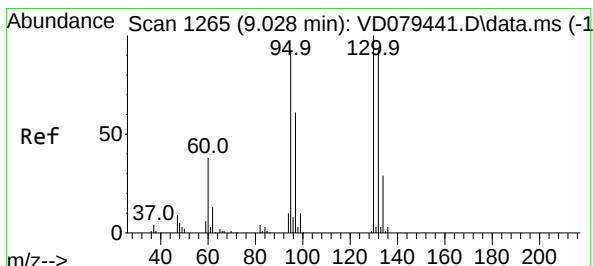
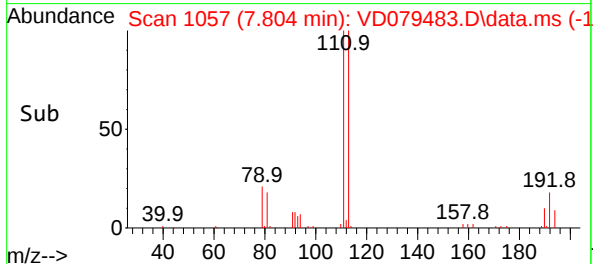
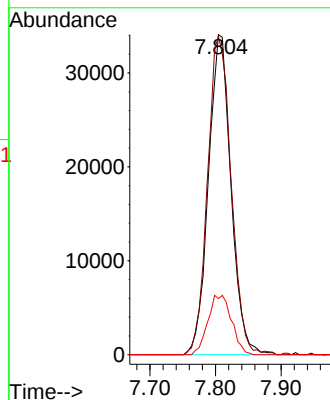
Tgt Ion:113 Resp: 81440

Ion Ratio Lower Upper

113 100

111 104.0 84.0 126.0

192 19.5 15.4 23.0



#44

Trichloroethene

Concen: 1370.648 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD079483.D

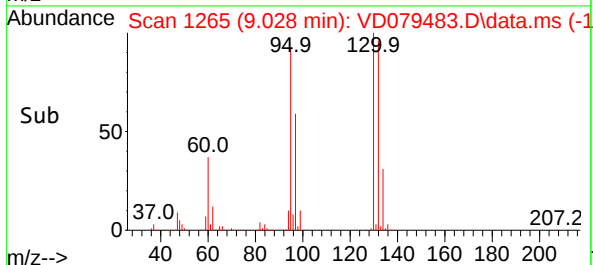
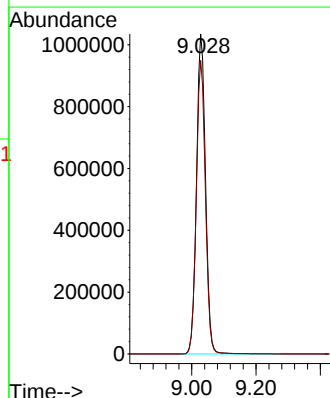
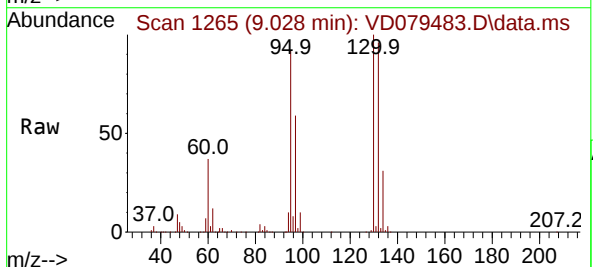
Acq: 31 Jul 2024 05:08

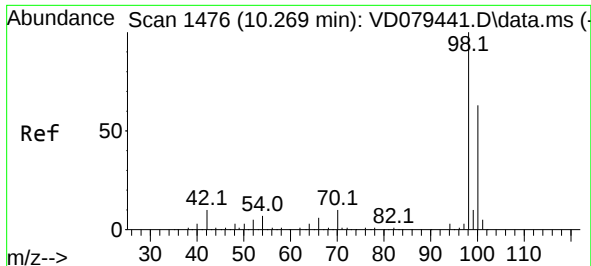
Tgt Ion:130 Resp: 2011007

Ion Ratio Lower Upper

130 100

95 91.7 0.0 177.8

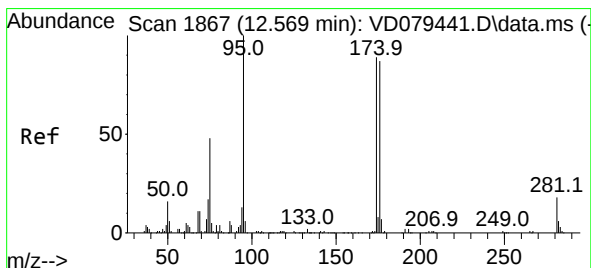
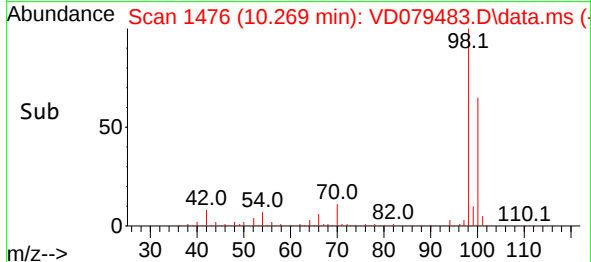
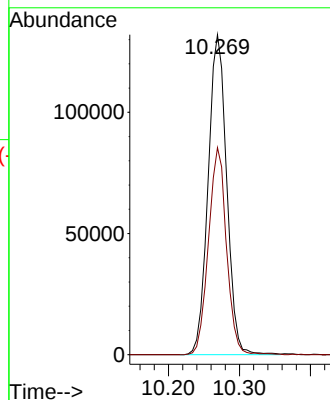
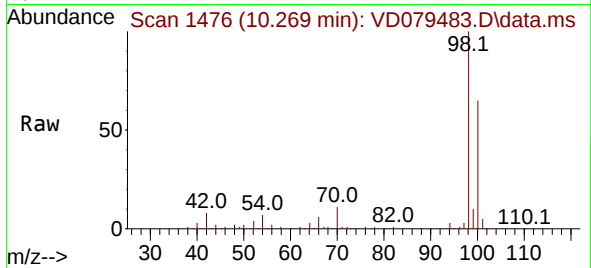




#50
Toluene-d8
Concen: 45.390 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079483.D
Acq: 31 Jul 2024 05:08

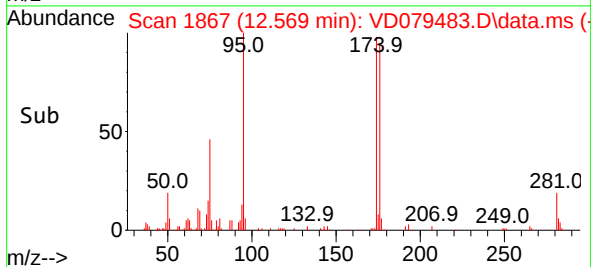
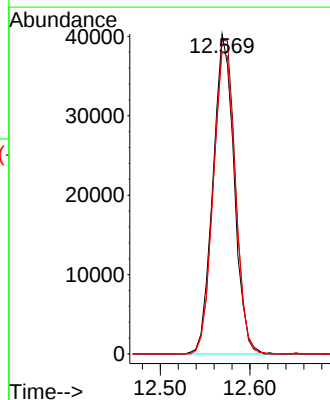
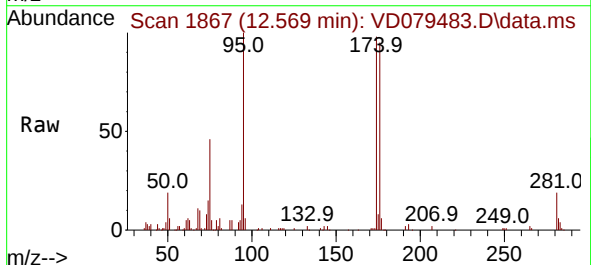
Instrument :
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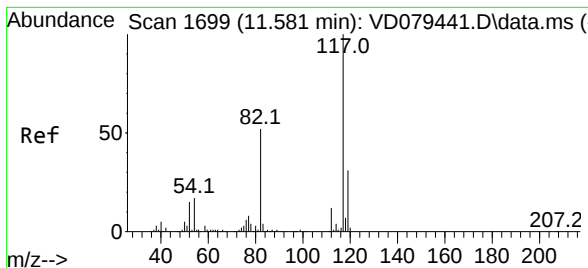
Tgt Ion: 98 Resp: 239647
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 43.268 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079483.D
Acq: 31 Jul 2024 05:08

Tgt Ion: 95 Resp: 66107
Ion Ratio Lower Upper
95 100
174 101.4 0.0 195.4
176 98.6 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079483.D

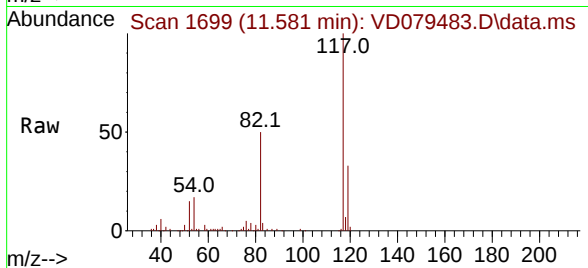
Acq: 31 Jul 2024 05:08

Instrument :

MSVOA_D

ClientSampleId :

S-861-K2-SO-13.5-14-072024



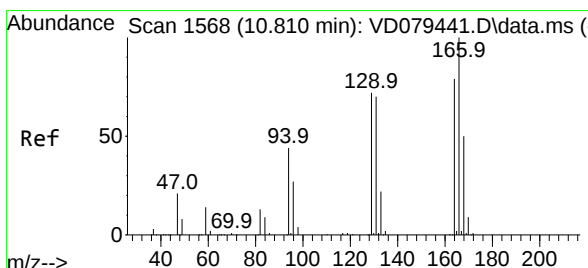
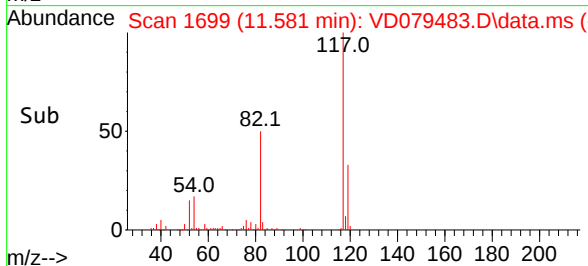
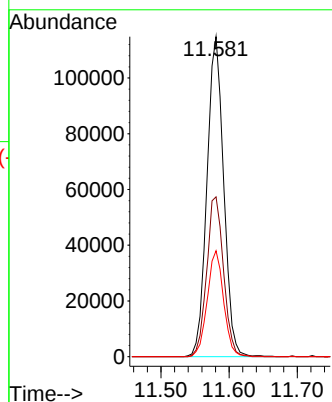
Tgt Ion:117 Resp: 195815

Ion Ratio Lower Upper

117 100

82 49.9 39.8 59.6

119 33.1 25.7 38.5



#64

Tetrachloroethene

Concen: 25.651 ug/l

RT: 10.804 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VD079483.D

Acq: 31 Jul 2024 05:08

Tgt Ion:164 Resp: 33869

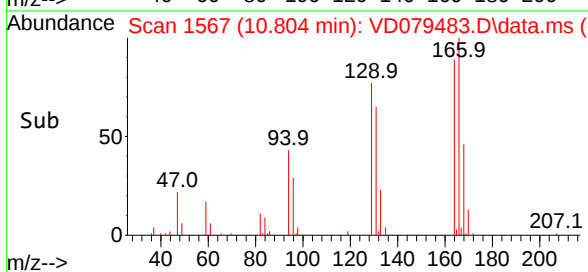
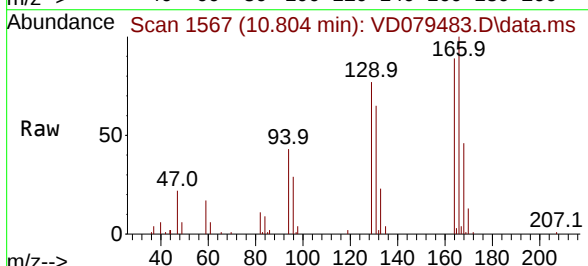
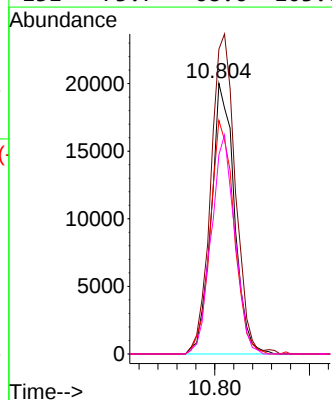
Ion Ratio Lower Upper

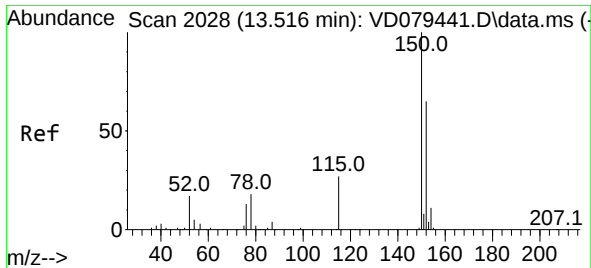
164 100

166 112.7 108.6 163.0

129 86.3 74.6 112.0

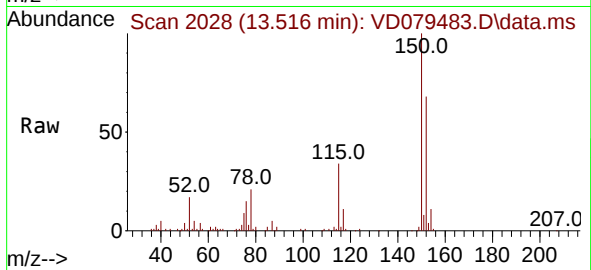
131 73.7 68.6 103.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD079483.D
 Acq: 31 Jul 2024 05:08

Instrument :
 MSVOA_D
 ClientSampleId :
 S-861-K2-SO-13.5-14-072024



Tgt Ion:	152	Resp:	79463
Ion Ratio	Lower	Upper	
152	100		
115	53.7	26.5	79.5
150	159.0	0.0	341.6

