

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081023\
 Data File : VD076963.D
 Acq On : 10 Aug 2023 15:34
 Operator : JC/SY
 Sample : 03965-07
 Misc : 4.28G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 11 03:05:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 11 02:51:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	81705	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	36229	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	6554	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	89303	39.744	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	158.960%#
7) Chloroethane-d5	2.787	69	84470	40.665	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	162.680%#
11) 1,1-Dichloroethene-d2	3.905	65	10238	19.230	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.920%
21) 2-Butanone-d5	6.987	46	13571	37.619	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.240%
24) Chloroform-d	7.563	84	73206	27.515	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.080%
26) 1,2-Dichloroethane-d4	8.234	65	39371	29.685	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.760%
32) Benzene-d6	8.198	84	133495	58.607	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	234.440%#
36) 1,2-Dichloropropane-d6	9.210	67	38340	54.745	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	219.000%#
41) Toluene-d8	10.269	98	78220	37.455	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	149.800%#
43) trans-1,3-Dichloroprop...	10.522	79	8466	26.738	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.960%
47) 2-Hexanone-d5	10.881	63	4352	32.532	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.060%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	15849	23.420	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.680%
66) 1,2-Dichlorobenzene-d4	13.810	152	5090	21.243	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.960%
Target Compounds						Qvalue
6) Bromomethane	2.687	94	1149	0.613	ug/L	89
12) 1,1-Dichloroethene	3.910	96	361	0.300	ug/L #	1
13) Acetone	4.022	43	10303	27.930	ug/L	95
15) Methyl Acetate	4.569	43	14563	23.357	ug/L	98
16) Methylene chloride	4.799	84	1342	0.783	ug/L #	57
29) Cyclohexane	7.857	56	471	0.591	ug/L #	40
34) Trichloroethene	8.775	95	2270	3.671	ug/L #	4
35) Methylcyclohexane	9.269	83	629	0.624	ug/L #	30
37) 1,2-Dichloropropane	9.204	63	2705	4.484	ug/L #	88
44) trans-1,3-Dichloropropene	10.522	75	426	0.501	ug/L #	43
61) 1,2,3-Trichloropropane	13.498	75	69	0.451	ug/L #	1
63) 1,2,4-Trimethylbenzene	13.204	105	238	0.333	ug/L #	30
65) 1,4-Dichlorobenzene	13.534	146	370	0.832	ug/L #	25
67) 1,2-Dichlorobenzene	13.534	146	370	0.917	ug/L #	25
69) 1,3,5-Trichlorobenzene	15.104	180	87	0.323	ug/L #	18
71) Naphthalene	15.328	128	565	1.015	ug/L #	69

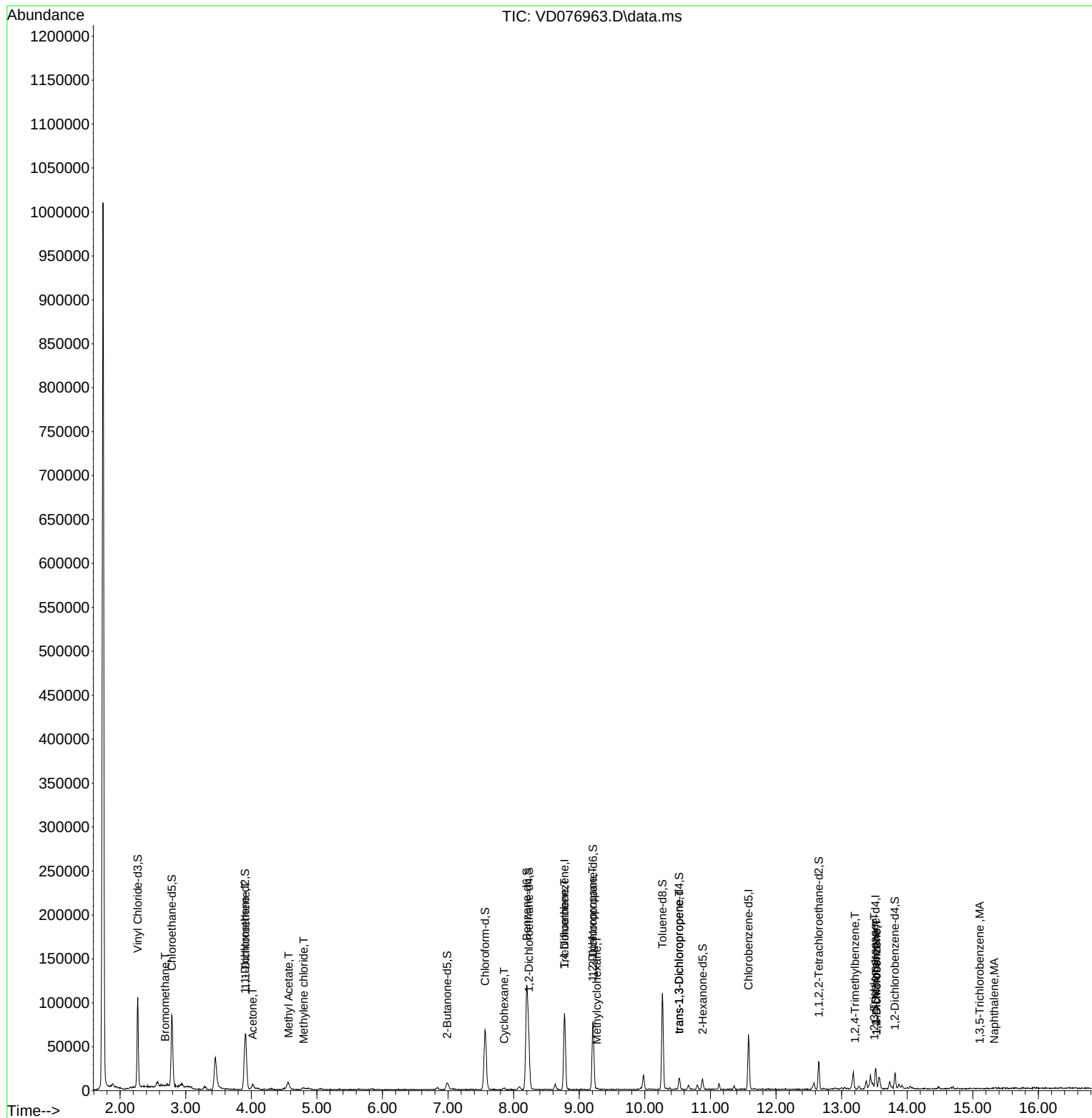
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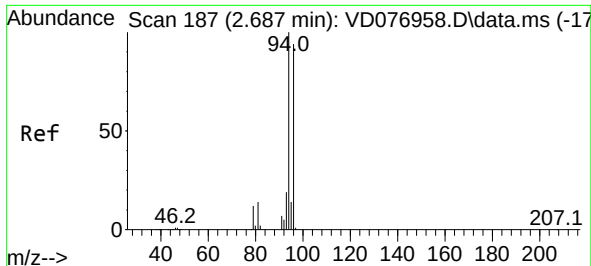
Instrument :
MSVOA_D
ClientSampleId :

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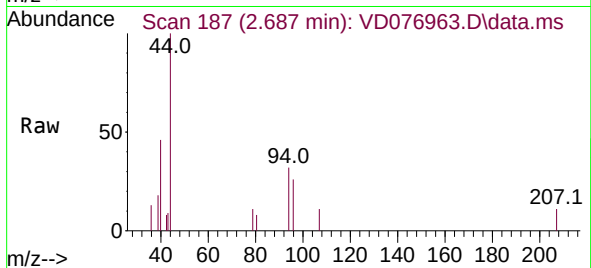
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Quant Title : SFAM01.0
QLast Update : Fri Aug 11 02:51:25 2023
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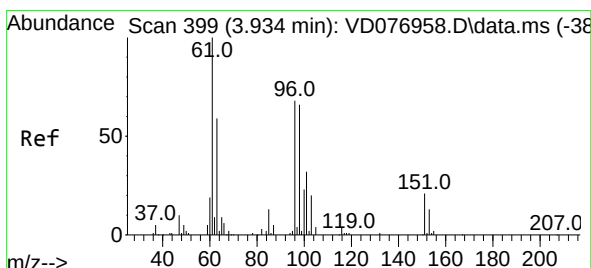
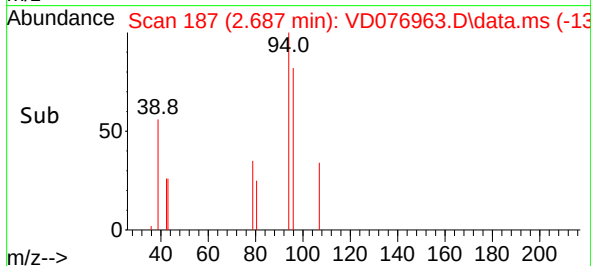
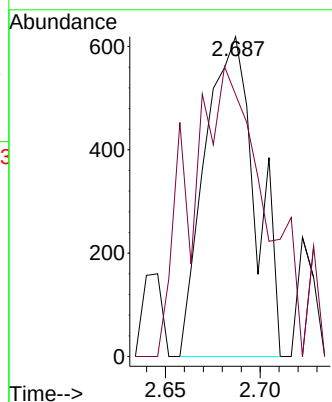


#6
Bromomethane
Concen: 0.613 ug/L
RT: 2.687 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VD076963.D
Acq: 10 Aug 2023 15:34

Instrument :
MSVOA_D
ClientSampleId :

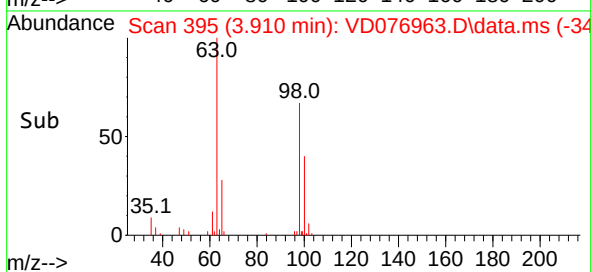
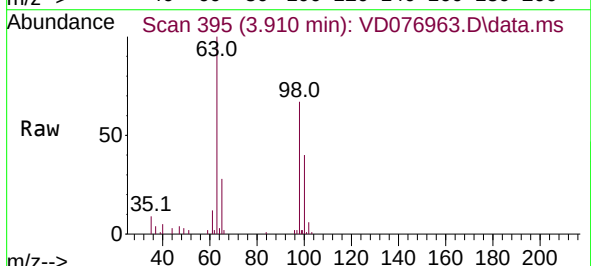
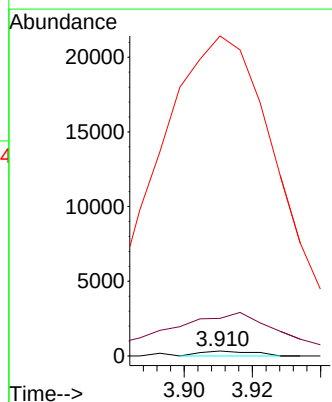


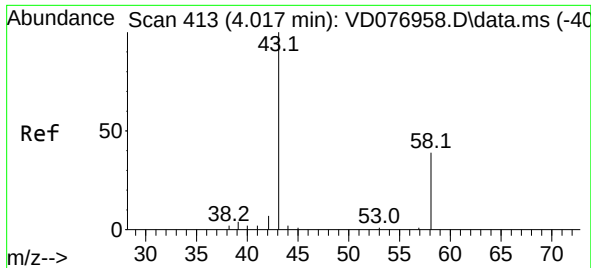
Tgt Ion: 94 Resp: 1149
Ion Ratio Lower Upper
94 100
96 81.9 64.7 120.1



#12
1,1-Dichloroethene
Concen: 0.300 ug/L
RT: 3.910 min Scan# 395
Delta R.T. -0.024 min
Lab File: VD076963.D
Acq: 10 Aug 2023 15:34

Tgt Ion: 96 Resp: 361
Ion Ratio Lower Upper
96 100
61 770.0 113.0 209.8#
63 6551.7 83.6 155.2#





#13

Acetone

Concen: 27.930 ug/L

RT: 4.022 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD076963.D

Acq: 10 Aug 2023 15:34

Instrument :

MSVOA_D

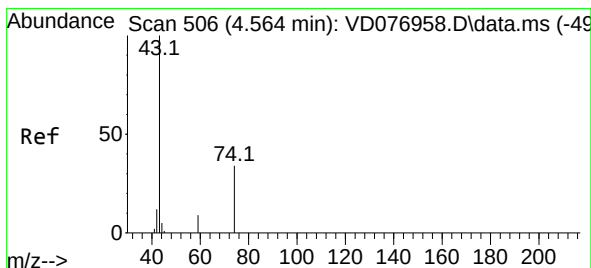
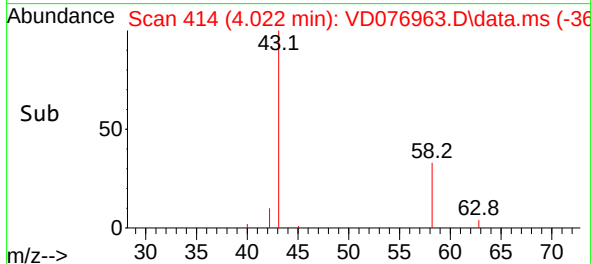
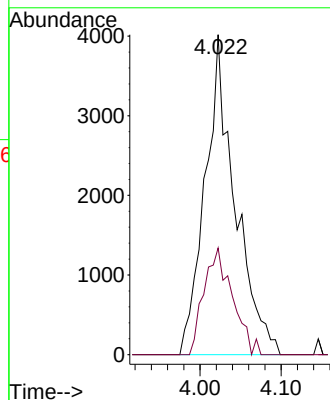
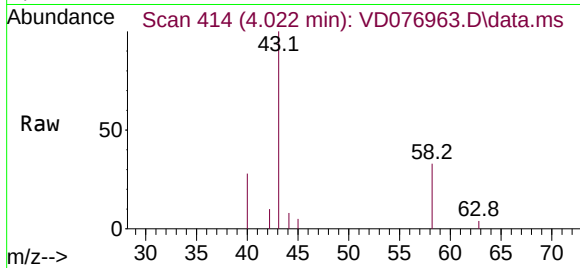
ClientSampleId :

Tgt Ion: 43 Resp: 10303

Ion Ratio Lower Upper

43 100

58 31.1 0.0 67.4



#15

Methyl Acetate

Concen: 23.357 ug/L

RT: 4.569 min Scan# 507

Delta R.T. 0.006 min

Lab File: VD076963.D

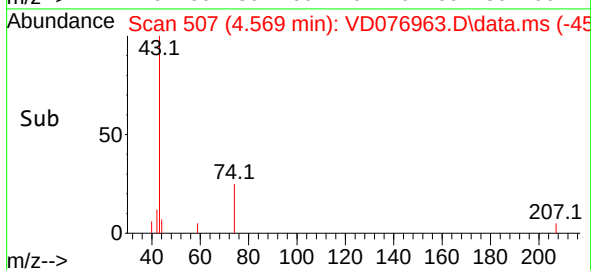
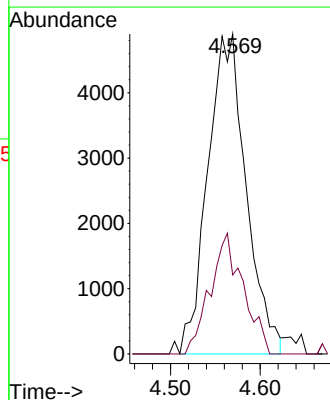
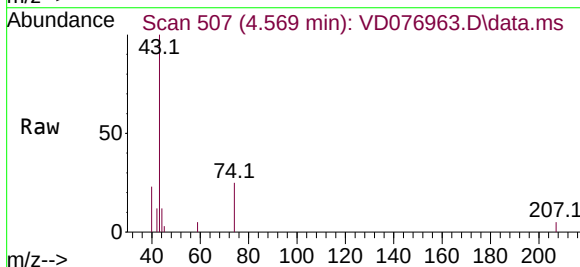
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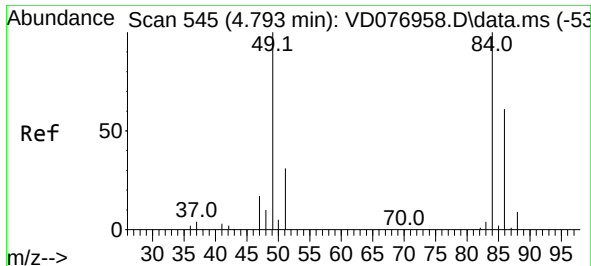
Tgt Ion: 43 Resp: 14563

Ion Ratio Lower Upper

43 100

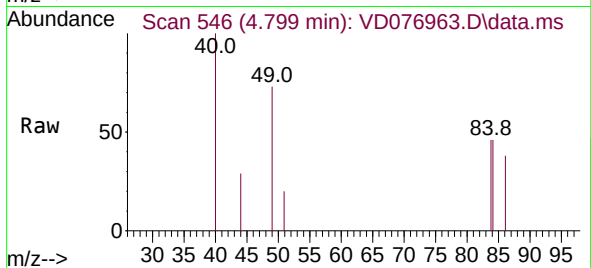
74 21.7 18.2 27.2



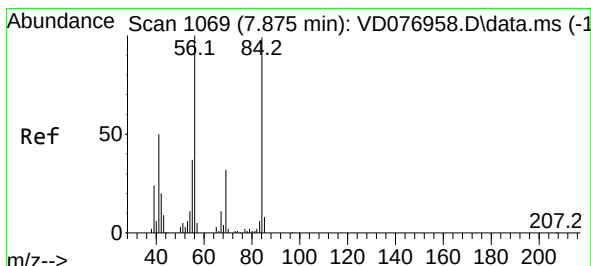
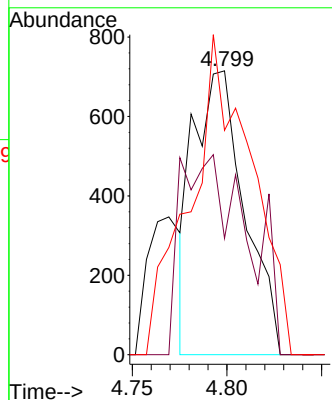
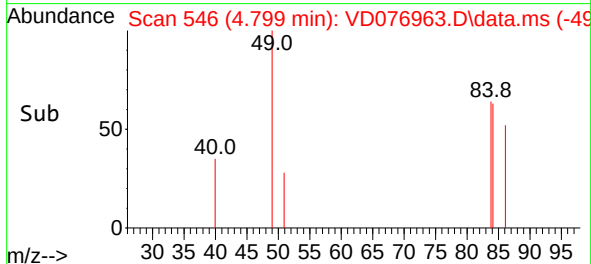


#16
Methylene chloride
Concen: 0.783 ug/L
RT: 4.799 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD076963.D
Acq: 10 Aug 2023 15:34

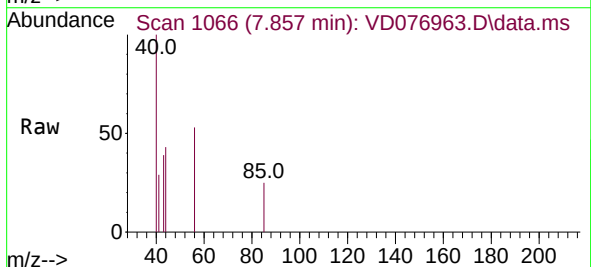
Instrument :
MSVOA_D
ClientSampleId :



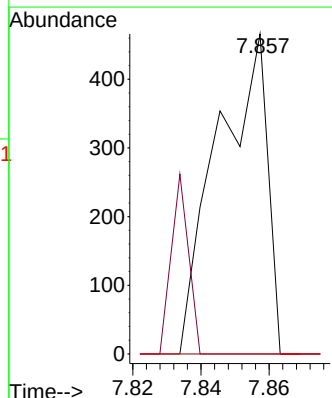
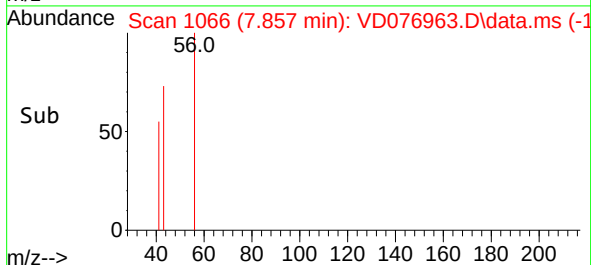
Tgt Ion: 84 Resp: 1342
Ion Ratio Lower Upper
84 100
86 41.0 45.1 83.9#
49 79.0 97.2 180.6#

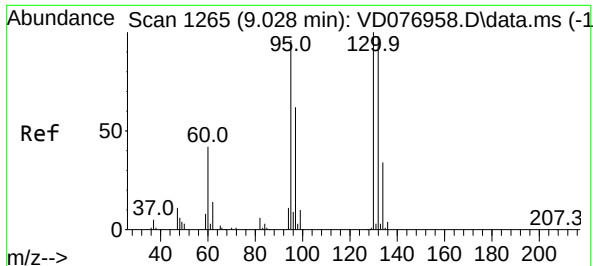


#29
Cyclohexane
Concen: 0.591 ug/L
RT: 7.857 min Scan# 1066
Delta R.T. -0.018 min
Lab File: VD076963.D
Acq: 10 Aug 2023 15:34



Tgt Ion: 56 Resp: 471
Ion Ratio Lower Upper
56 100
69 0.0 23.4 35.0#
84 27.2 66.3 99.5#





#34

Trichloroethene

Concen: 3.671 ug/L

RT: 8.775 min Scan# 11

Delta R.T. -0.253 min

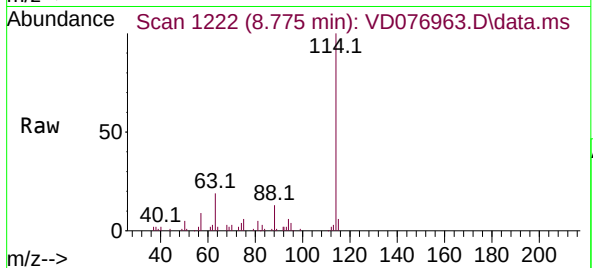
Lab File: VD076963.D

Acq: 10 Aug 2023 15:34

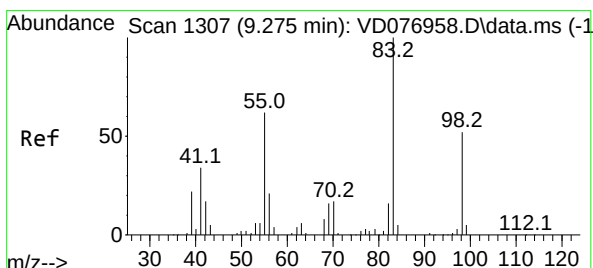
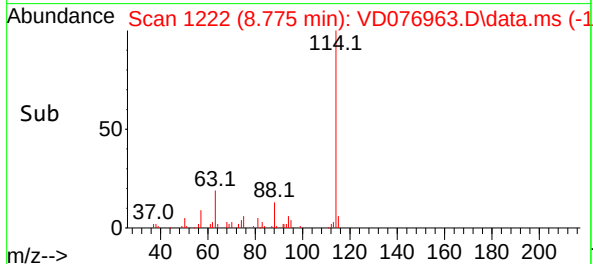
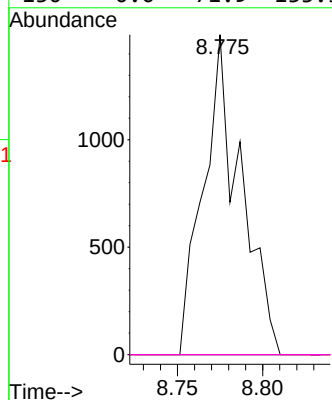
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 95	Resp: 2270
Ion Ratio	Lower Upper
95	100
97	0.0 43.1 80.1#
132	0.0 71.8 133.4#
130	0.0 71.9 133.5#



#35

Methylcyclohexane

Concen: 0.624 ug/L

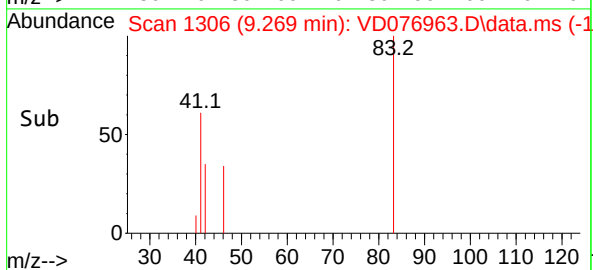
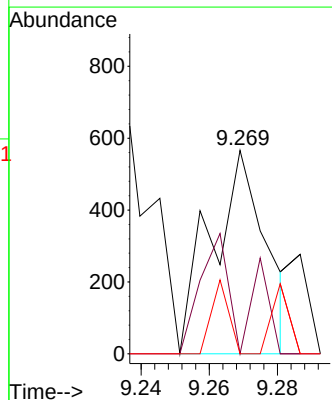
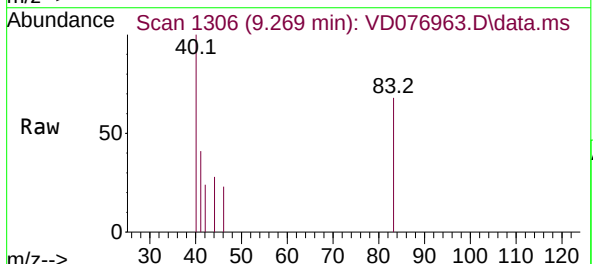
RT: 9.269 min Scan# 1306

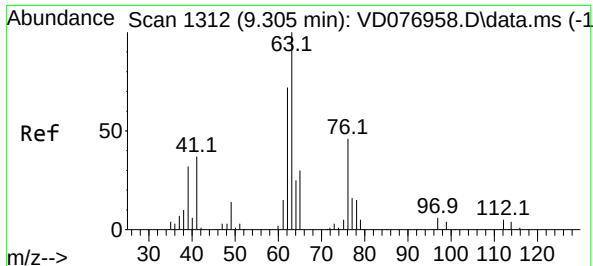
Delta R.T. -0.006 min

Lab File: VD076963.D

Acq: 10 Aug 2023 15:34

Tgt Ion: 83	Resp: 629
Ion Ratio	Lower Upper
83	100
55	14.9 59.8 89.6#
98	0.0 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 4.484 ug/L

RT: 9.204 min Scan# 1519

Delta R.T. -0.100 min

Lab File: VD076963.D

Acq: 10 Aug 2023 15:34

Instrument :

MSVOA_D

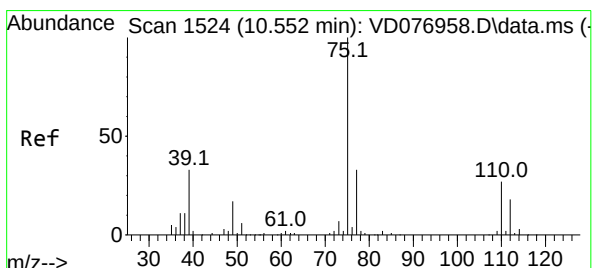
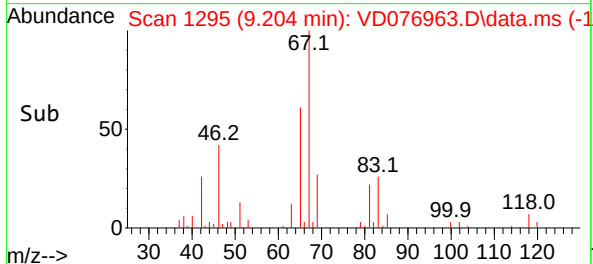
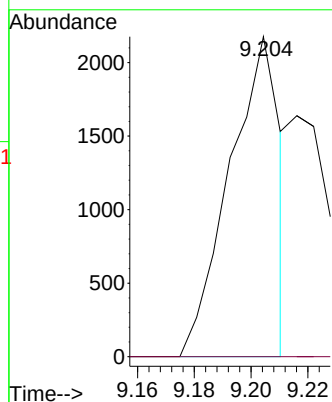
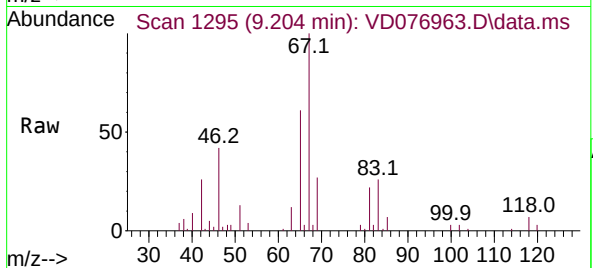
ClientSampleId :

Tgt Ion: 63 Resp: 2705

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



#44

trans-1,3-Dichloropropene

Concen: 0.501 ug/L

RT: 10.522 min Scan# 1519

Delta R.T. -0.030 min

Lab File: VD076963.D

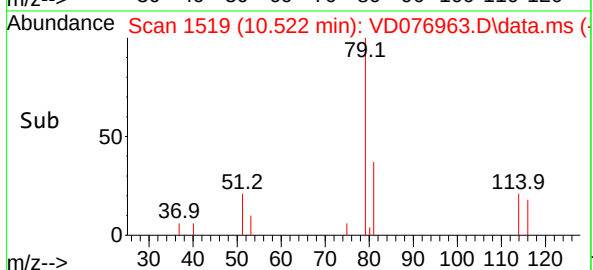
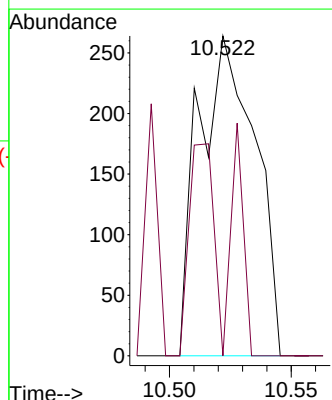
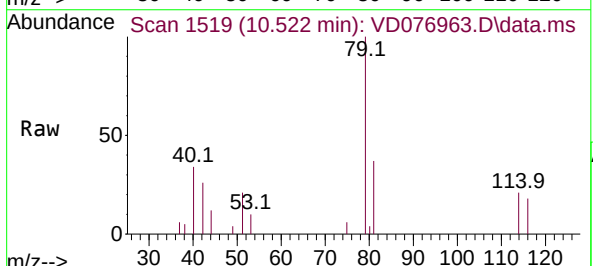
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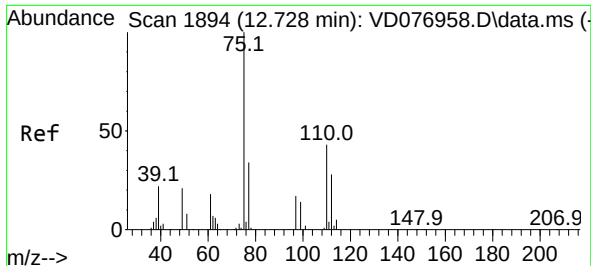
Tgt Ion: 75 Resp: 426

Ion Ratio Lower Upper

75 100

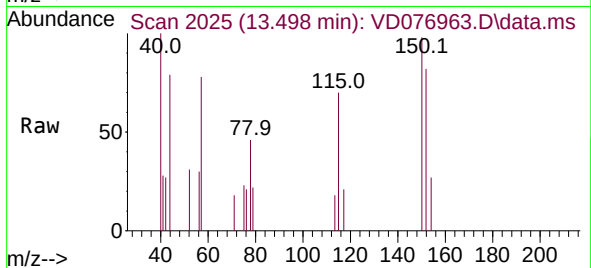
77 0.0 22.5 41.7#



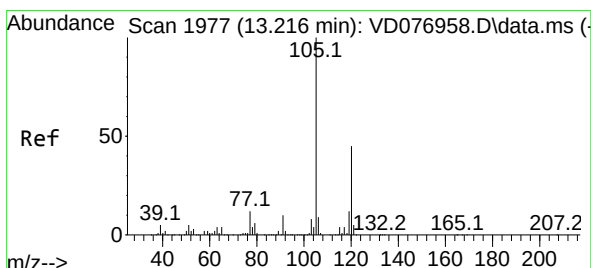
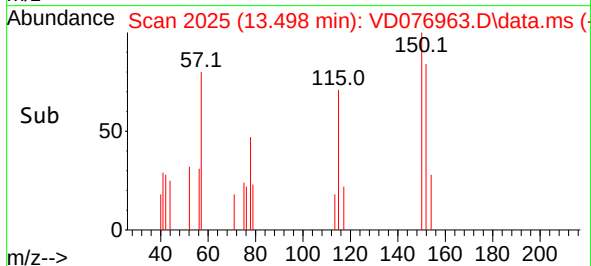
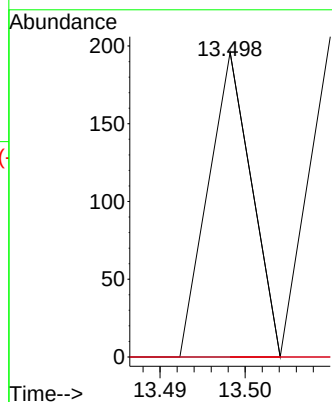


#61
 1,2,3-Trichloropropane
 Concen: 0.451 ug/L
 RT: 13.498 min Scan# 20
 Delta R.T. 0.770 min
 Lab File: VD076963.D
 Acq: 10 Aug 2023 15:34

Instrument :
 MSVOA_D
 ClientSampleId :

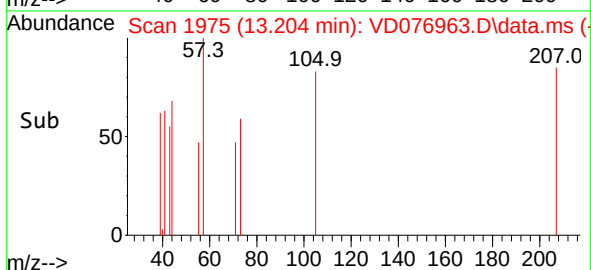
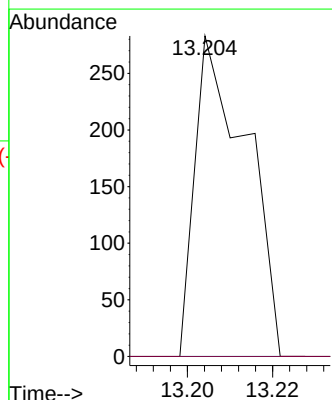
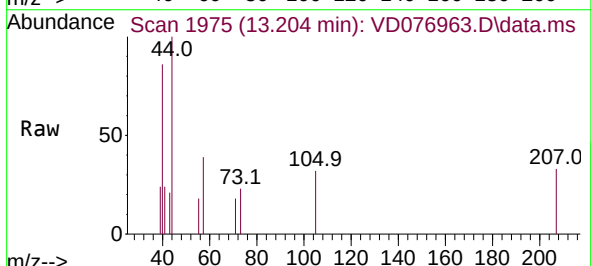


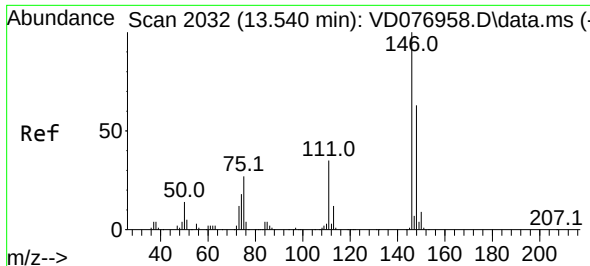
Tgt Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 77 1068.1 27.2 40.8#
 110 0.0 31.8 47.6#



#63
 1,2,4-Trimethylbenzene
 Concen: 0.333 ug/L
 RT: 13.204 min Scan# 1975
 Delta R.T. -0.012 min
 Lab File: VD076963.D
 Acq: 10 Aug 2023 15:34

Tgt Ion: 105 Resp: 238
 Ion Ratio Lower Upper
 105 100
 120 0.0 37.5 56.3#

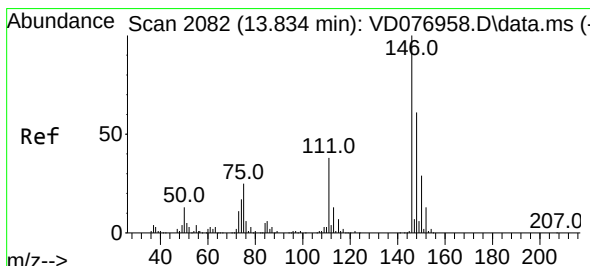
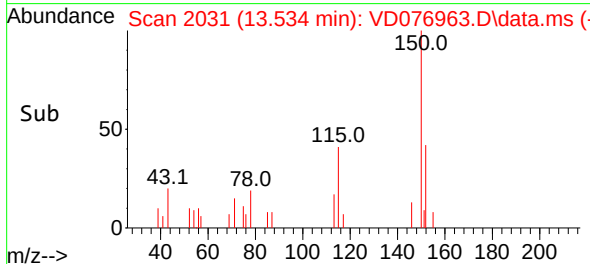
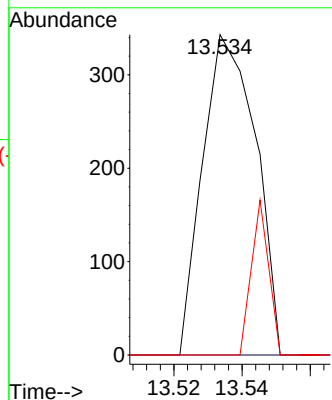
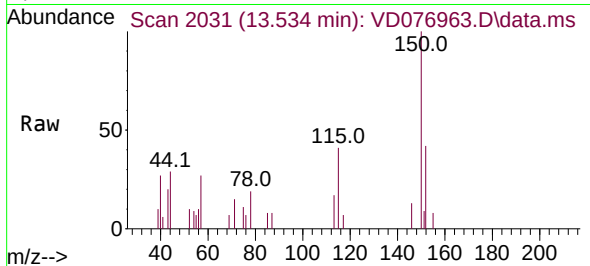




#65
1,4-Dichlorobenzene
Concen: 0.832 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD076963.D
Acq: 10 Aug 2023 15:34

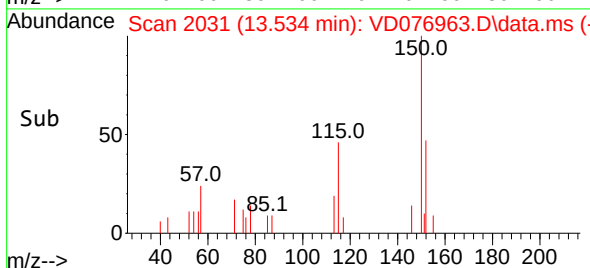
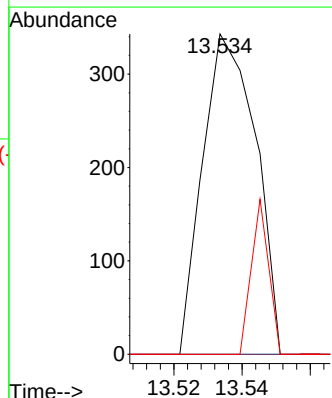
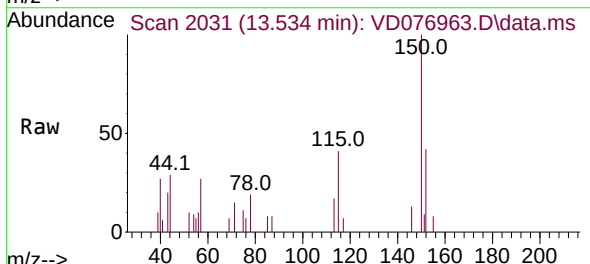
Instrument :
MSVOA_D
ClientSampleId :

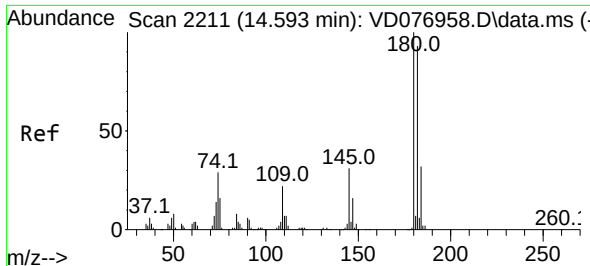
Tgt Ion:146 Resp: 370
Ion Ratio Lower Upper
146 100
111 0.0 25.7 47.7#
148 0.0 45.4 84.2#



#67
1,2-Dichlorobenzene
Concen: 0.917 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.300 min
Lab File: VD076963.D
Acq: 10 Aug 2023 15:34

Tgt Ion:146 Resp: 370
Ion Ratio Lower Upper
146 100
111 0.0 31.3 46.9#
148 0.0 51.7 77.5#





#69

1,3,5-Trichlorobenzene

Concen: 0.323 ug/L

RT: 15.104 min Scan# 21

Delta R.T. 0.511 min

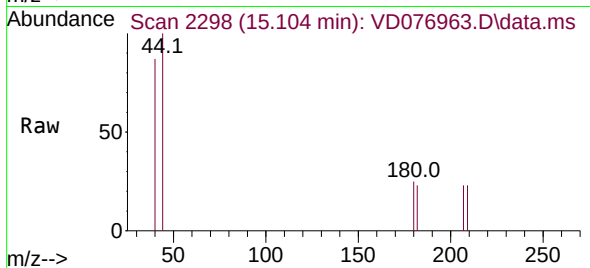
Lab File: VD076963.D

Acq: 10 Aug 2023 15:34

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 87

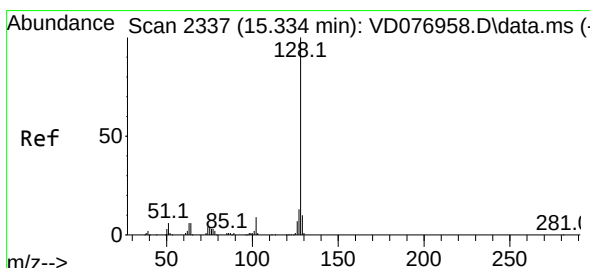
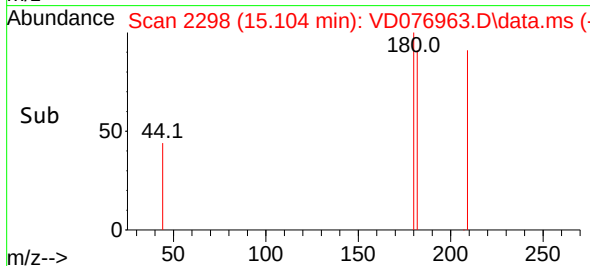
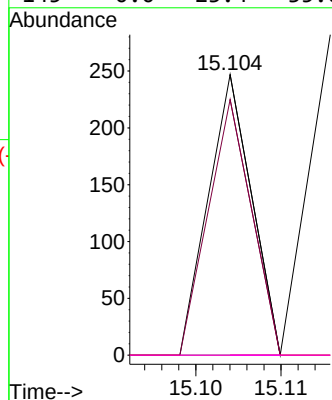
Ion Ratio Lower Upper

180 100

182 0.0 77.1 115.7#

184 0.0 25.0 37.4#

145 0.0 23.4 35.0#



#71

Naphthalene

Concen: 1.015 ug/L

RT: 15.328 min Scan# 2336

Delta R.T. -0.006 min

Lab File: VD076963.D

Acq: 10 Aug 2023 15:34

Tgt Ion:128 Resp: 565

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.6 12.8#

