

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079607.D
 Acq On : 06 Aug 2024 05:06
 Operator : RP/MD
 Sample : P3374-04
 Misc : 8.54G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 08:09:20 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)

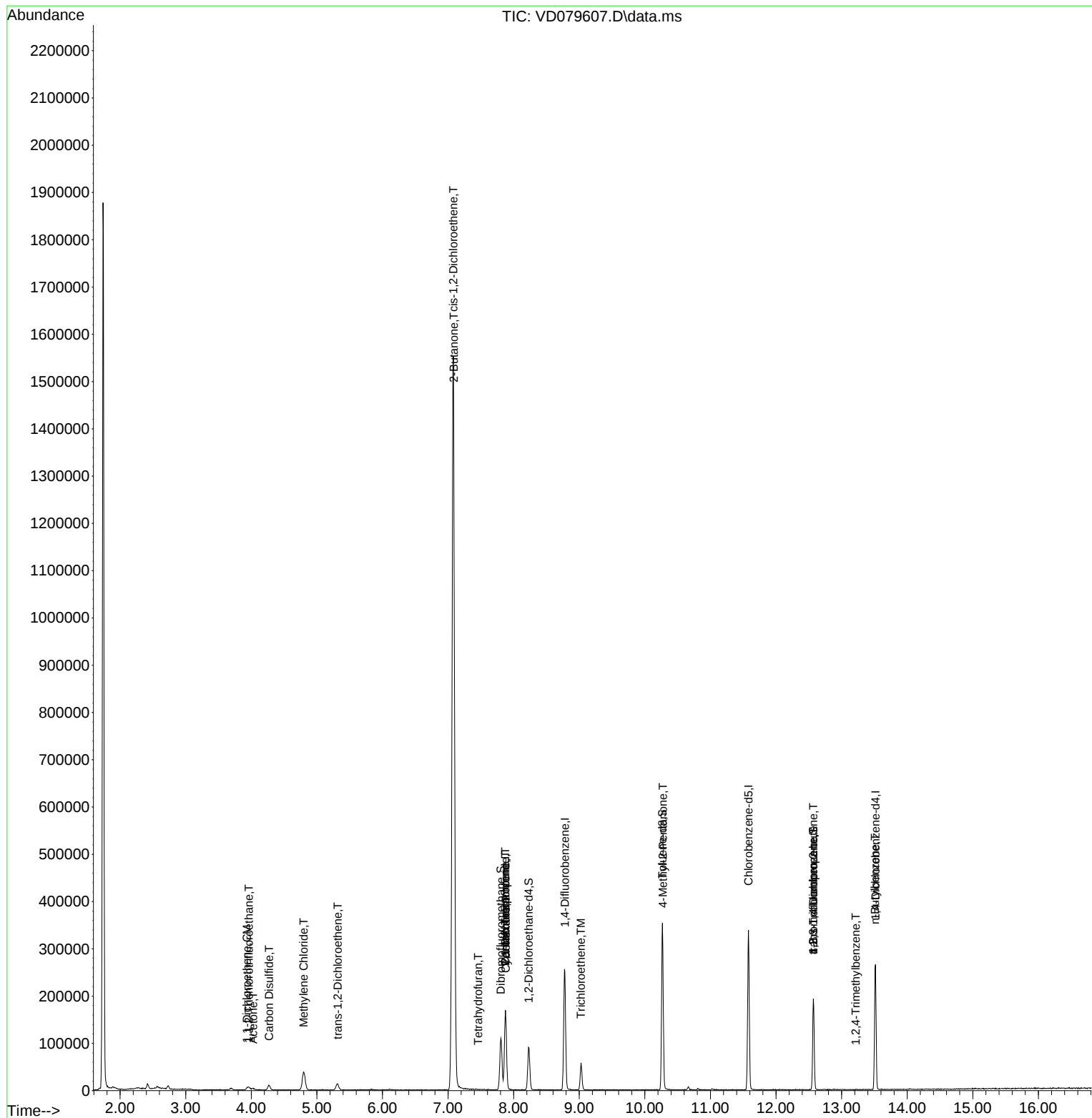
Internal Standards						
1) Pentafluorobenzene	7.875	168	129628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	238144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	201134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	77425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	69019	52.410	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.820%	
35) Dibromofluoromethane	7.804	113	81962	50.849	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.700%	
50) Toluene-d8	10.269	98	250363	39.997	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 80.000%	
62) 4-Bromofluorobenzene	12.569	95	56671	31.286	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 62.580%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	249	Below Cal		98
9) 1,1,2-Trichlorotrifluo...	3.964	101	3639	2.600 ug/l #		80
11) Tert butyl alcohol	5.305	59	71	Below Cal #		86
12) 1,1-Dichloroethene	3.934	96	2276	1.625 ug/l #		75
16) Acetone	4.028	43	5304	20.725 ug/l		95
17) Carbon Disulfide	4.269	76	20126	4.353 ug/l #		93
20) Methylene Chloride	4.799	84	32095	1.571 ug/l #		91
21) trans-1,2-Dichloroethene	5.316	96	8881	5.644 ug/l #		85
25) 2-Butanone	7.087	43	1907	5.256 ug/l #		1
27) cis-1,2-Dichloroethene	7.081	96	1021343	567.895 ug/l		98
29) Tetrahydrofuran	7.457	42	368	1.637 ug/l #		21
31) Cyclohexane	7.881	56	2776	1.269 ug/l #		39
36) 1,1-Dichloropropene	7.875	75	10612	4.824 ug/l #		46
38) Carbon Tetrachloride	7.875	117	11980	5.180 ug/l #		20
44) Trichloroethene	9.028	130	19524	11.224 ug/l		100
51) 4-Methyl-2-Pentanone	10.275	43	1162	1.343 ug/l #		1
76) 1,2,3-Trichloropropane	12.569	75	29673	43.845 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.569	75	29673	83.624 ug/l #		19
84) 1,2,4-Trimethylbenzene	13.216	105	102	3.448 ug/l		93
89) n-Butylbenzene	13.510	91	69	3.795 ug/l #		34

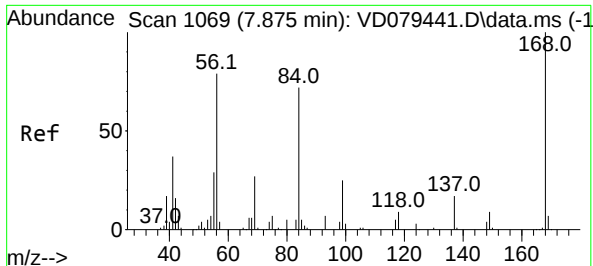
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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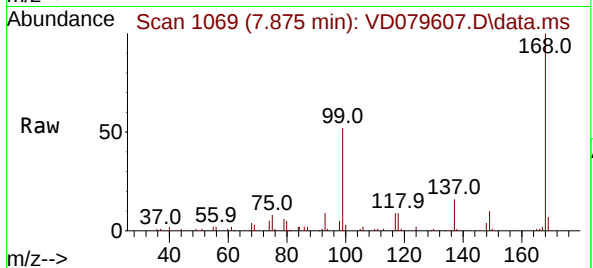
Quant Time: Aug 06 08:09:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
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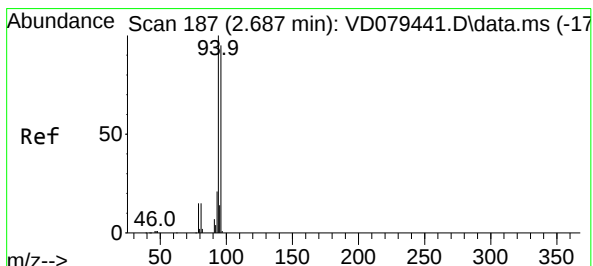
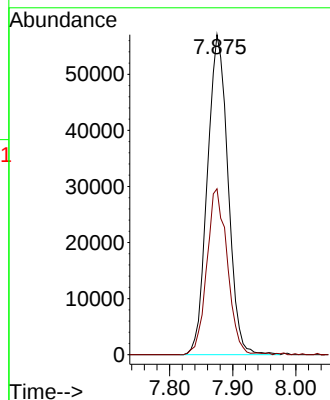
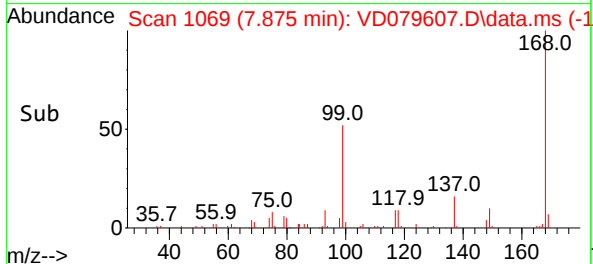


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

Instrument :
MSVOA_D
ClientSampleId :

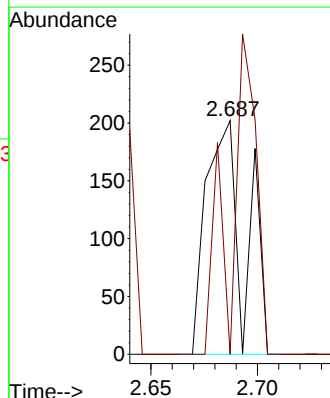
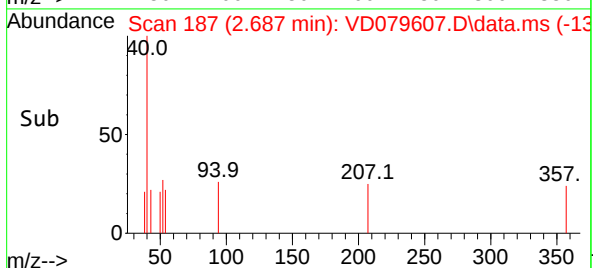
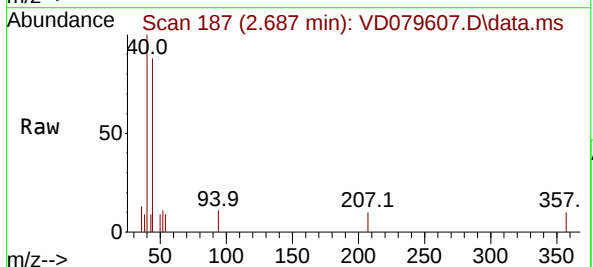


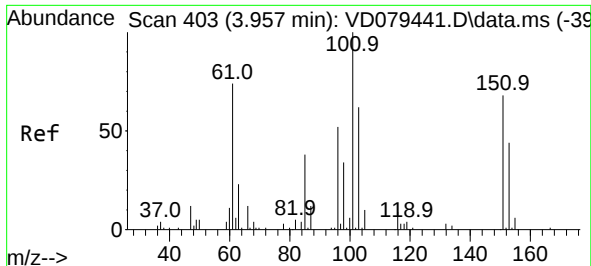
Tgt Ion:168 Resp: 129628
Ion Ratio Lower Upper
168 100
99 51.9 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

Tgt Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 94.0 76.9 115.3

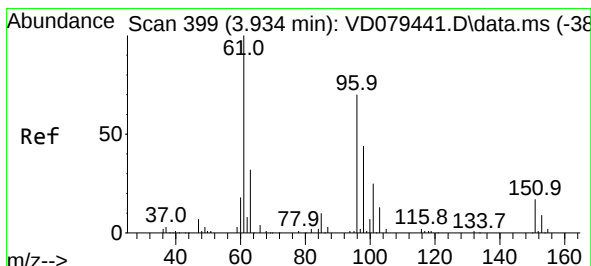
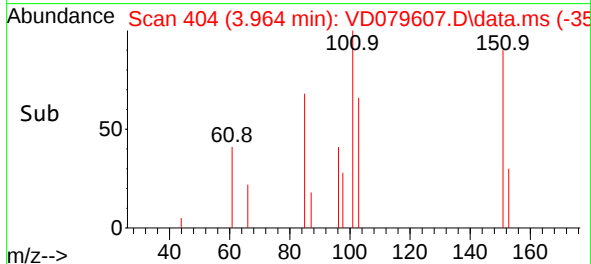
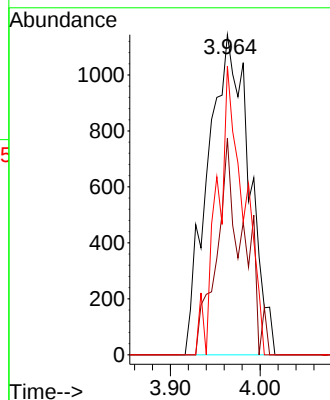
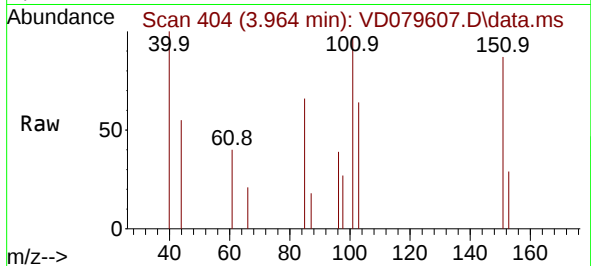




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.600 ug/l
RT: 3.964 min Scan# 403
Delta R.T. -0.000 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

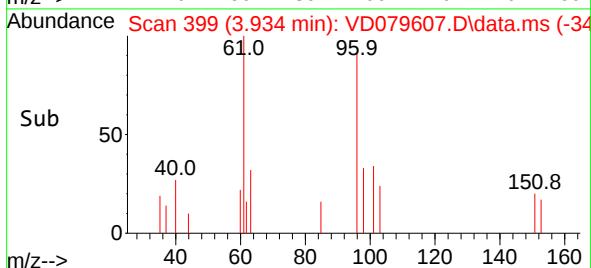
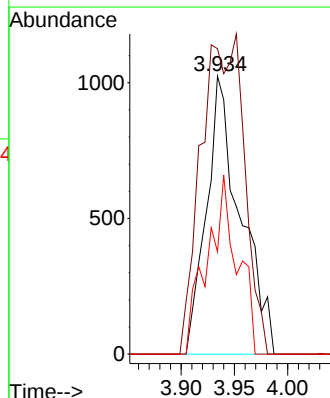
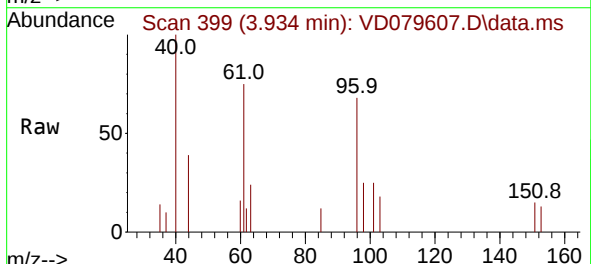
Instrument :
MSVOA_D
ClientSampleId :

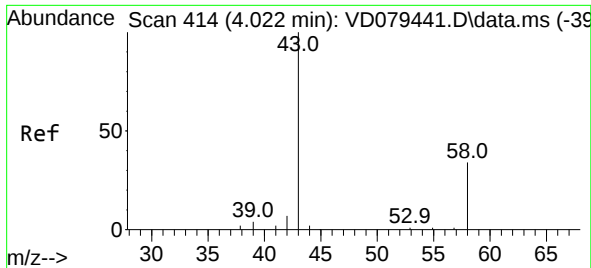
Tgt Ion:101 Resp: 3639
Ion Ratio Lower Upper
101 100
85 29.6 33.5 50.3#
151 58.4 60.3 90.5#



#12
1,1-Dichloroethene
Concen: 1.625 ug/l
RT: 3.934 min Scan# 399
Delta R.T. 0.006 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

Tgt Ion: 96 Resp: 2276
Ion Ratio Lower Upper
96 100
61 109.9 107.3 160.9
98 36.8 51.7 77.5#





#16

Acetone

Concen: 20.725 ug/l

RT: 4.028 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD079607.D

Acq: 06 Aug 2024 05:06

Instrument :

MSVOA_D

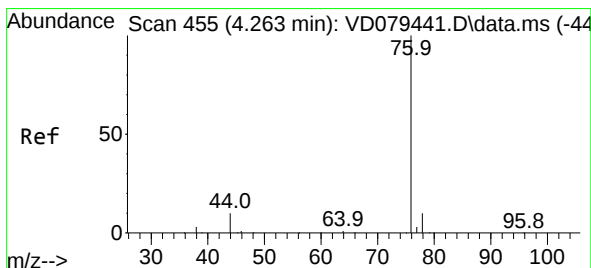
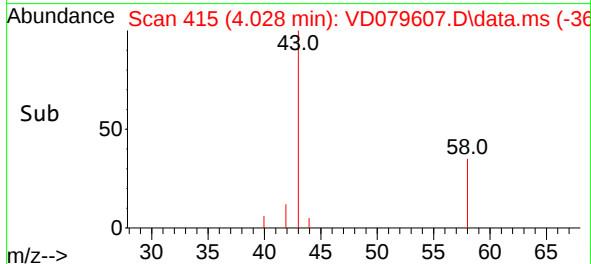
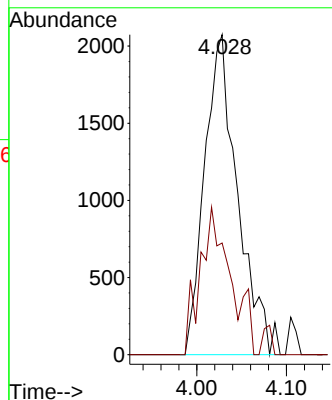
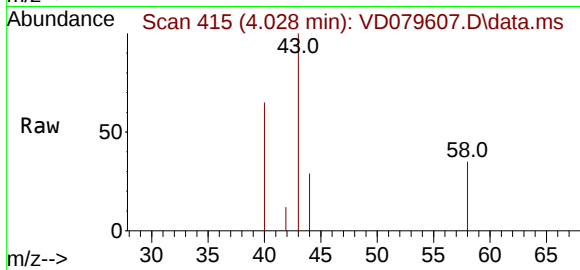
ClientSampleId :

Tgt Ion: 43 Resp: 5304

Ion Ratio Lower Upper

43 100

58 34.9 30.4 45.6



#17

Carbon Disulfide

Concen: 4.353 ug/l

RT: 4.269 min Scan# 456

Delta R.T. 0.006 min

Lab File: VD079607.D

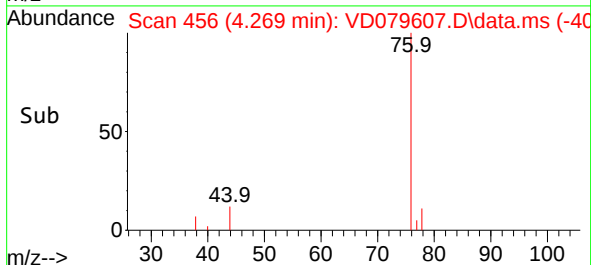
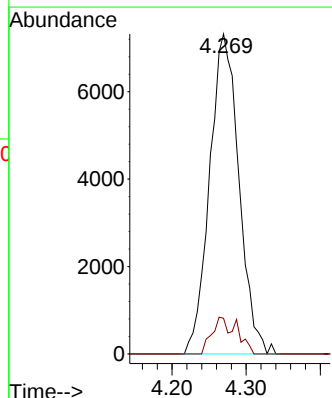
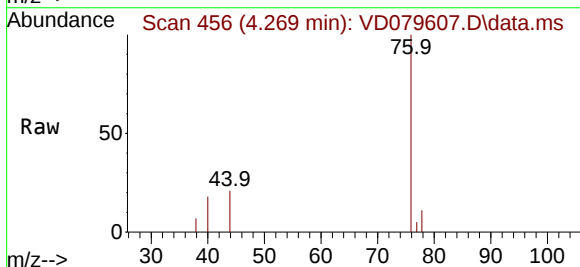
Acq: 06 Aug 2024 05:06

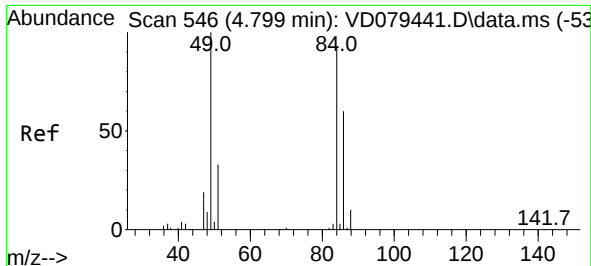
Tgt Ion: 76 Resp: 20126

Ion Ratio Lower Upper

76 100

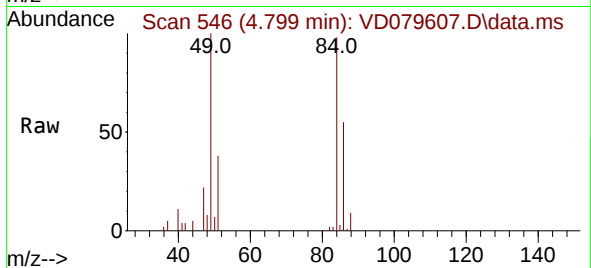
78 11.1 6.9 10.3#



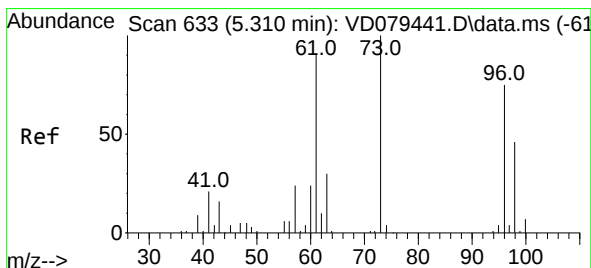
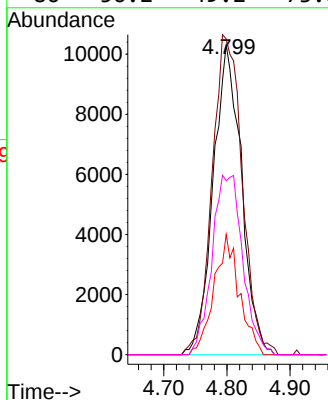
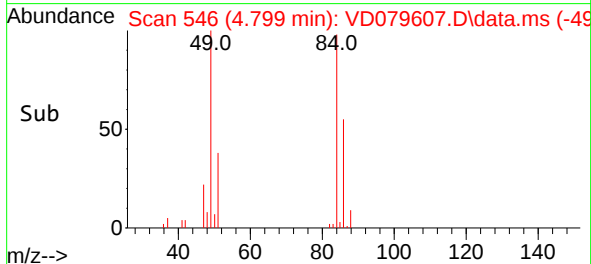


#20
Methylene Chloride
Concen: 1.571 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

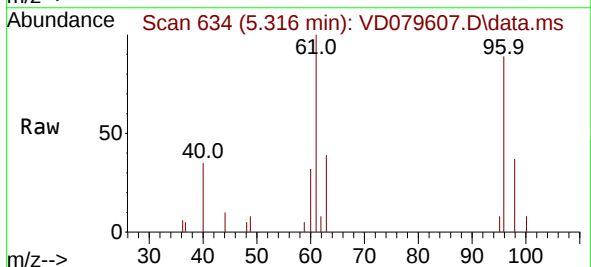
Instrument :
MSVOA_D
ClientSampleId :



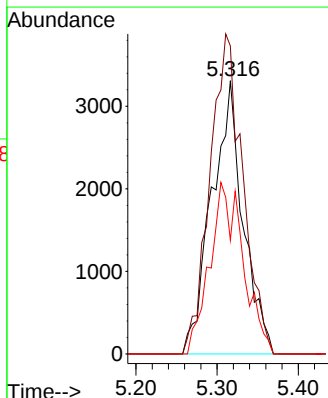
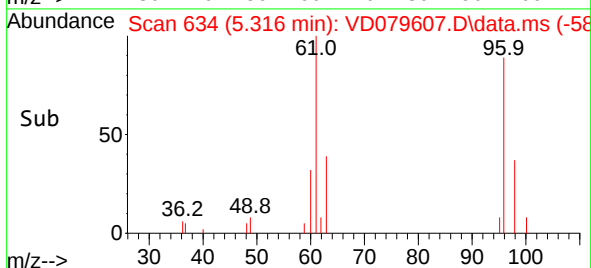
Tgt Ion:	84	Resp:	32095
Ion	Ratio	Lower	Upper
84	100		
49	102.0	75.6	113.4
51	38.8	24.2	36.2#
86	56.2	49.2	73.8

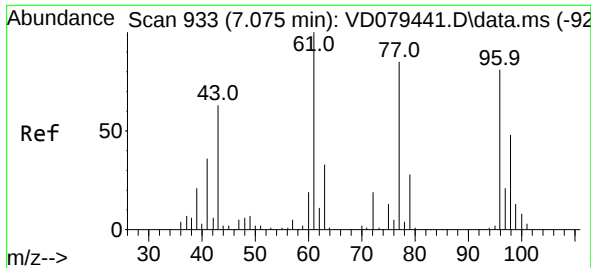


#21
trans-1,2-Dichloroethene
Concen: 5.644 ug/l
RT: 5.316 min Scan# 634
Delta R.T. 0.006 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06



Tgt Ion:	96	Resp:	8881
Ion	Ratio	Lower	Upper
96	100		
61	112.7	84.5	126.7
98	41.6	50.5	75.7#

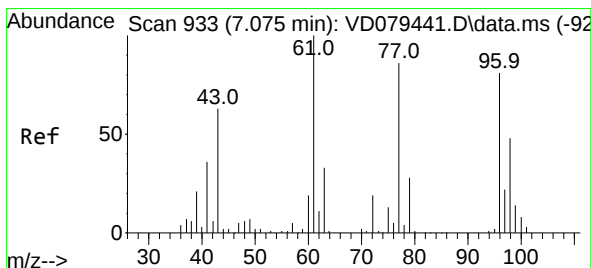
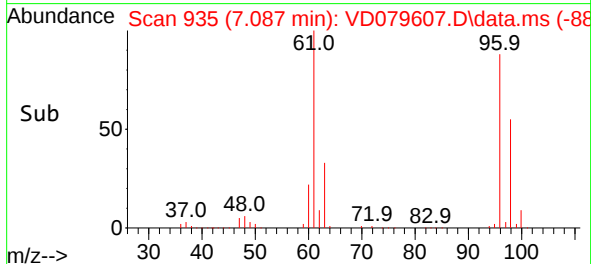
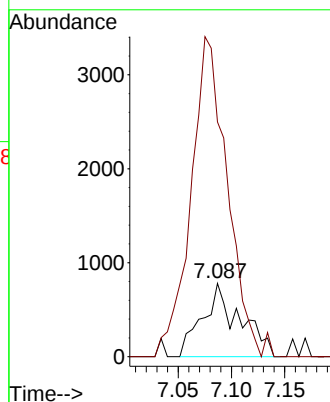
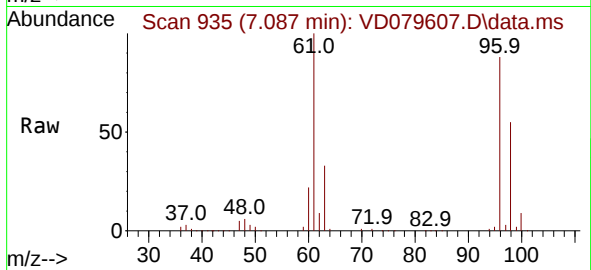




#25
2-Butanone
Concen: 5.256 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

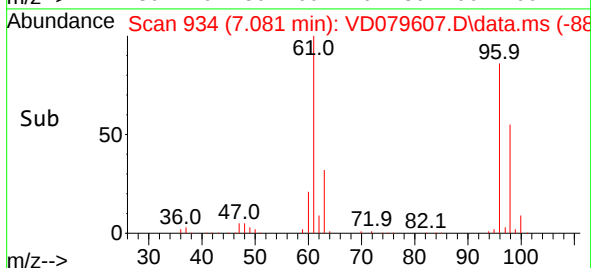
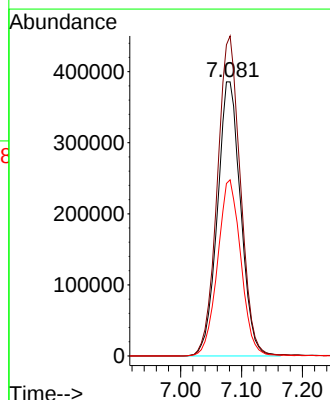
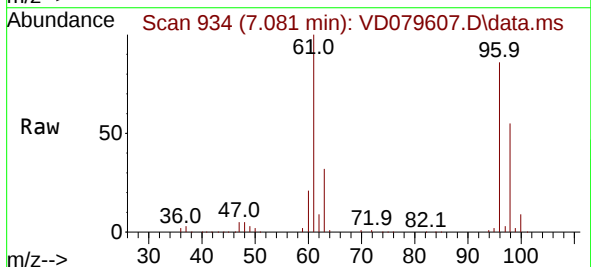
Instrument :
MSVOA_D
ClientSampleId :

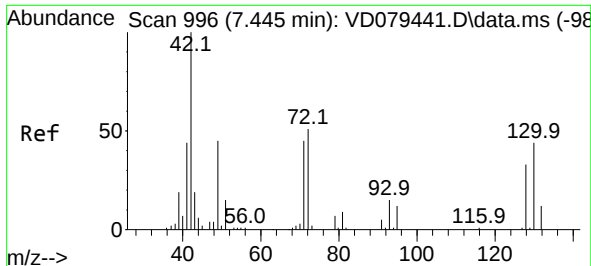
Tgt Ion: 43 Resp: 1907
Ion Ratio Lower Upper
43 100
72 320.0 26.4 39.6#



#27
cis-1,2-Dichloroethene
Concen: 567.895 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

Tgt Ion: 96 Resp: 1021343
Ion Ratio Lower Upper
96 100
61 116.5 0.0 229.0
98 64.4 0.0 127.2





#29

Tetrahydrofuran

Concen: 1.637 ug/l

RT: 7.457 min Scan# 996

Delta R.T. 0.012 min

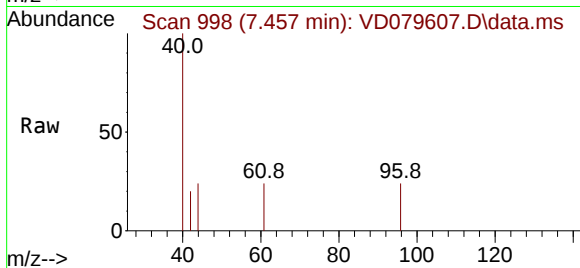
Lab File: VD079607.D

Acq: 06 Aug 2024 05:06

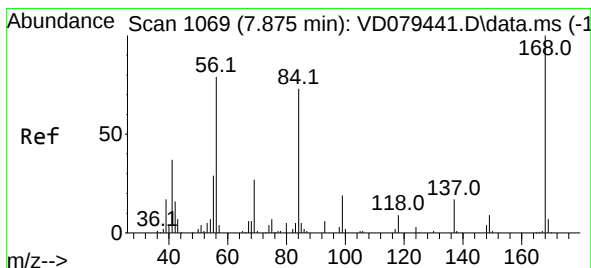
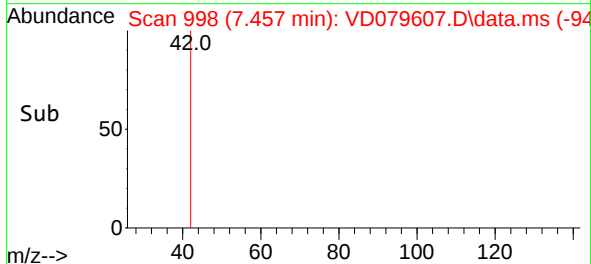
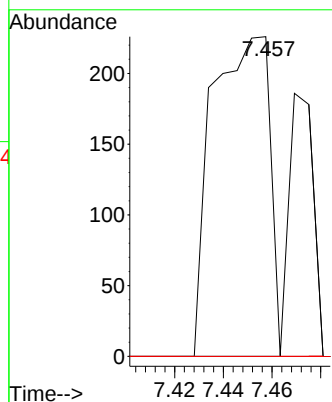
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	368
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.4	74.0#
71	0.0	45.0	67.6#



#31

Cyclohexane

Concen: 1.269 ug/l

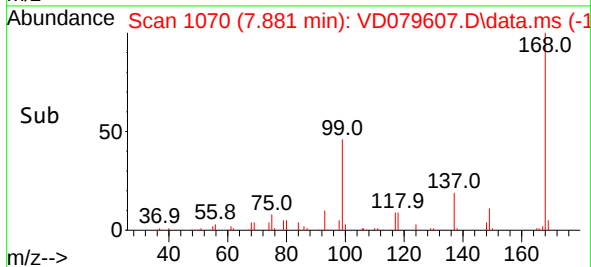
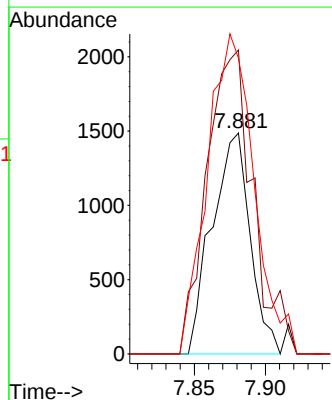
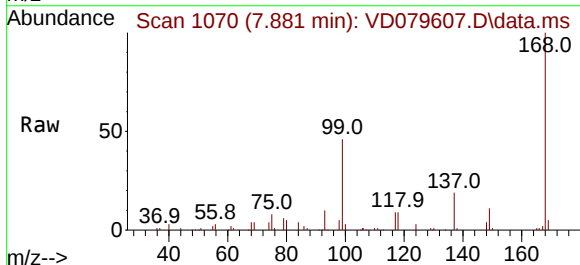
RT: 7.881 min Scan# 1070

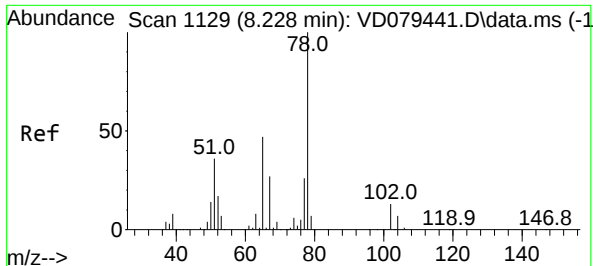
Delta R.T. -0.000 min

Lab File: VD079607.D

Acq: 06 Aug 2024 05:06

Tgt Ion:	56	Resp:	2776
Ion	Ratio	Lower	Upper
56	100		
69	137.6	28.0	42.0#
84	133.9	87.4	131.0#

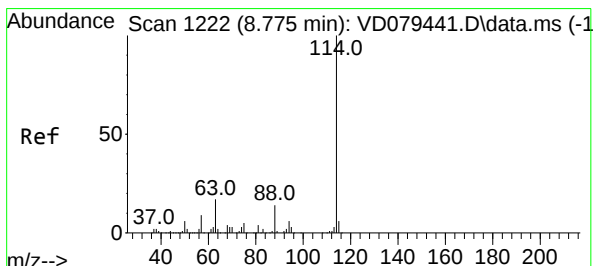
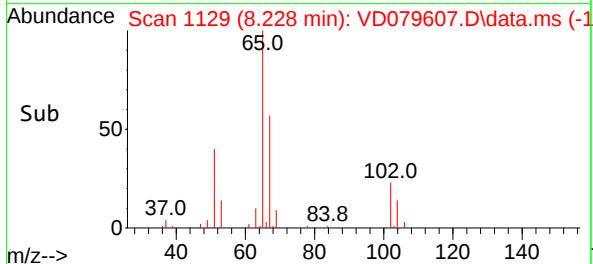
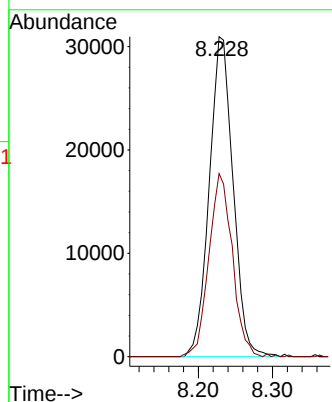
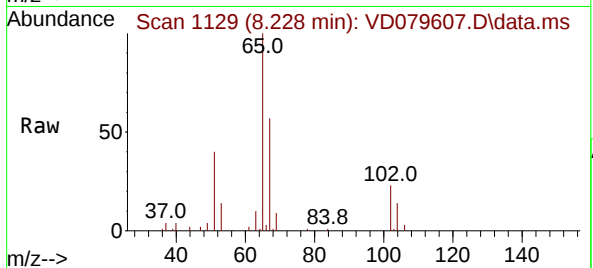




#33
 1,2-Dichloroethane-d4
 Concen: 52.410 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VD079607.D
 Acq: 06 Aug 2024 05:06

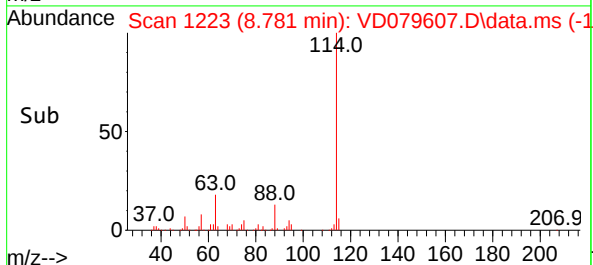
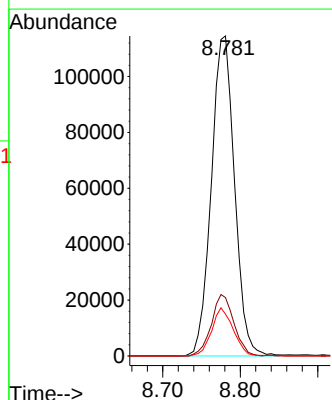
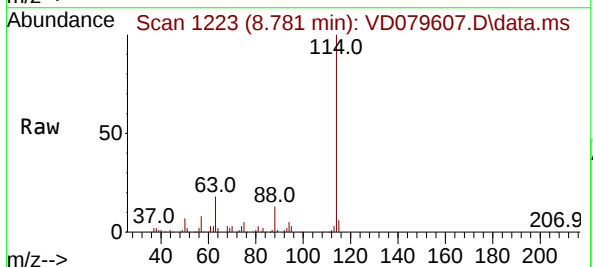
Instrument :
 MSVOA_D
 ClientSampleId :

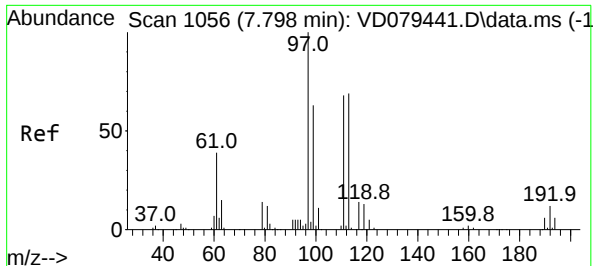
Tgt Ion: 65 Resp: 69019
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD079607.D
 Acq: 06 Aug 2024 05:06

Tgt Ion: 114 Resp: 238144
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.0
 88 13.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.849 ug/l

RT: 7.804 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD079607.D

Acq: 06 Aug 2024 05:06

Instrument :

MSVOA_D

ClientSampleId :

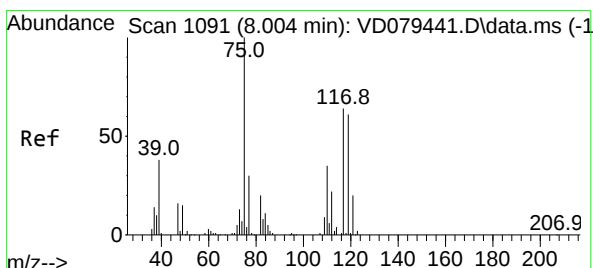
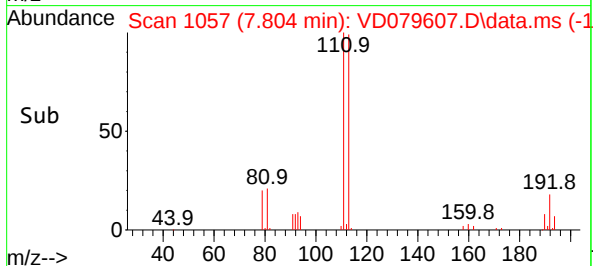
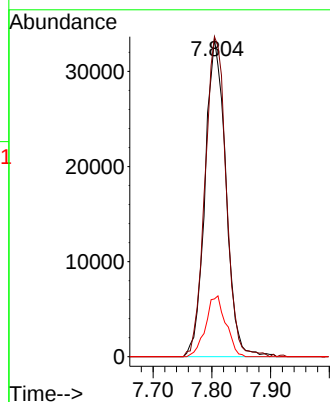
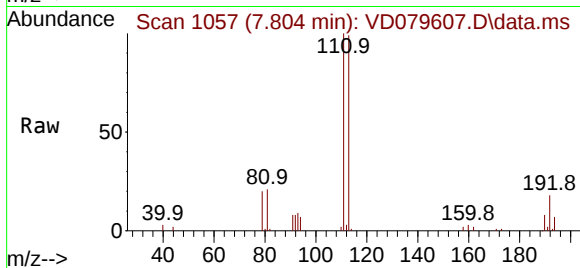
Tgt Ion:113 Resp: 81962

Ion Ratio Lower Upper

113 100

111 102.3 84.0 126.0

192 18.6 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079607.D

Acq: 06 Aug 2024 05:06

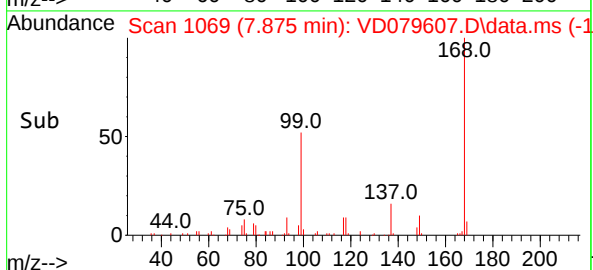
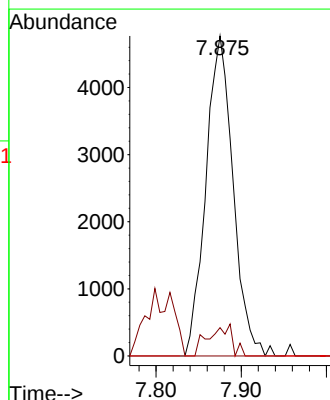
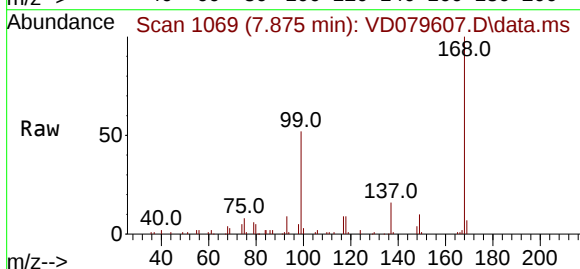
Tgt Ion: 75 Resp: 10612

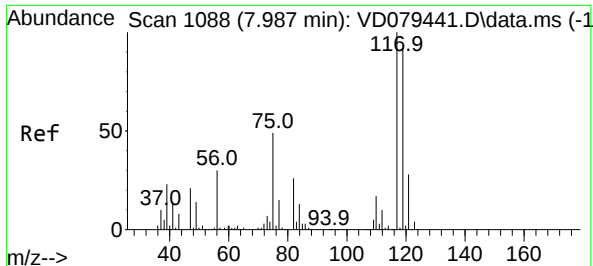
Ion Ratio Lower Upper

75 100

110 8.5 19.6 58.7#

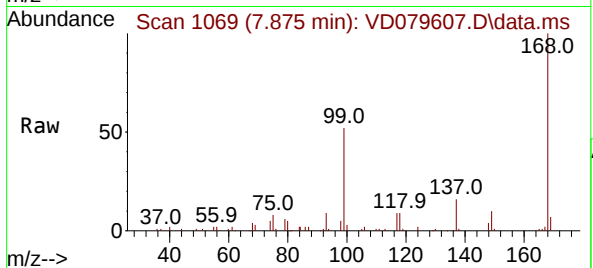
77 0.0 26.1 39.1#



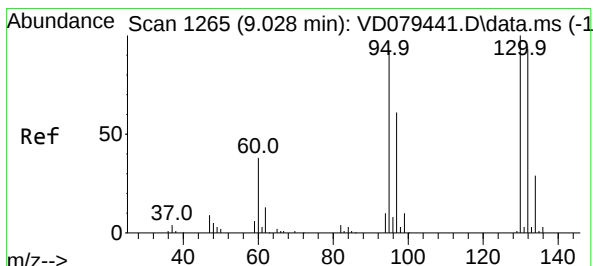
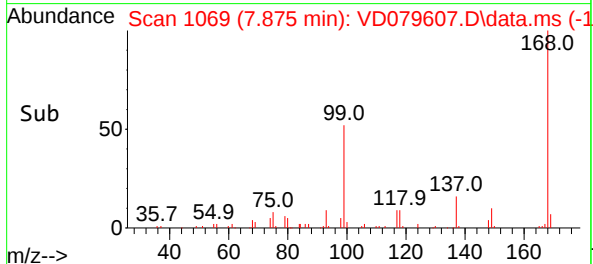
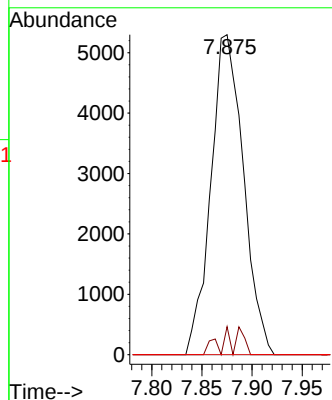


#38
Carbon Tetrachloride
Concen: 5.180 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

Instrument :
MSVOA_D
ClientSampleId :

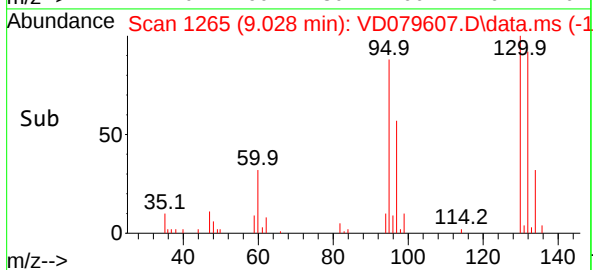
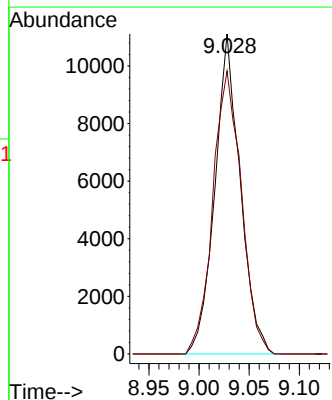
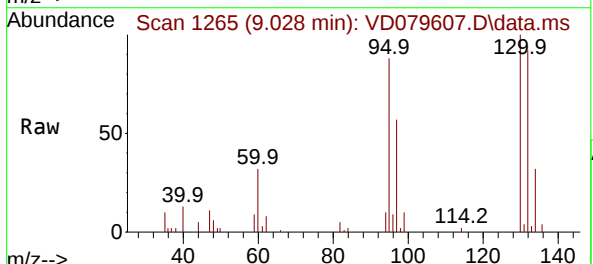


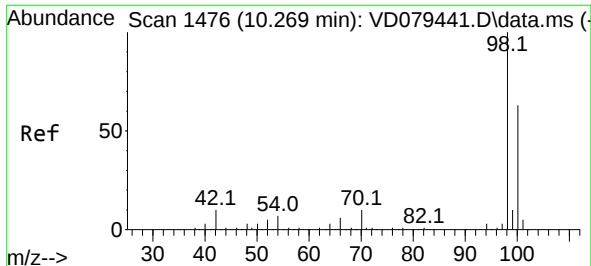
Tgt Ion:117 Resp: 11980
Ion Ratio Lower Upper
117 100
119 8.7 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 11.224 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

Tgt Ion:130 Resp: 19524
Ion Ratio Lower Upper
130 100
95 88.4 0.0 177.8





#50

Toluene-d8

Concen: 39.997 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079607.D

Acq: 06 Aug 2024 05:06

Instrument :

MSVOA_D

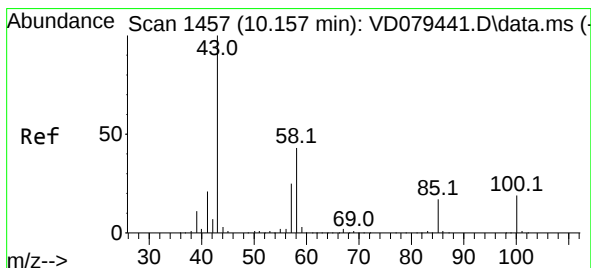
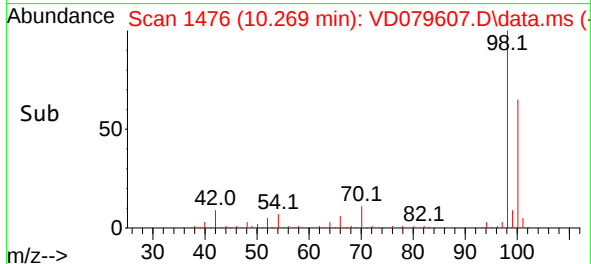
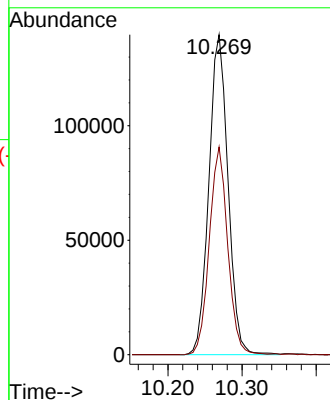
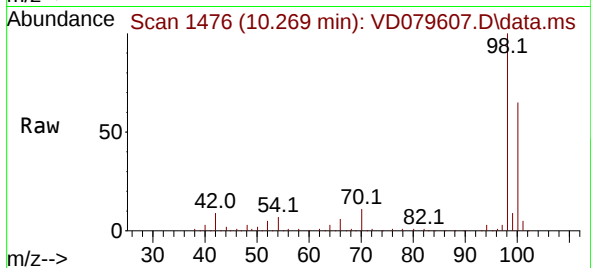
ClientSampleId :

Tgt Ion: 98 Resp: 250363

Ion Ratio Lower Upper

98 100

100 62.6 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.343 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.118 min

Lab File: VD079607.D

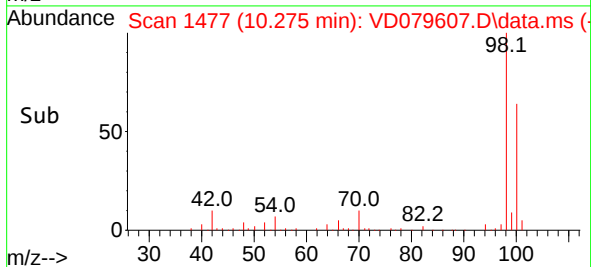
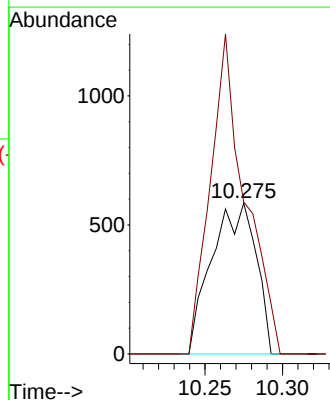
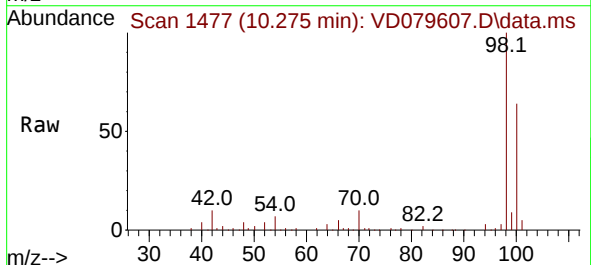
Acq: 06 Aug 2024 05:06

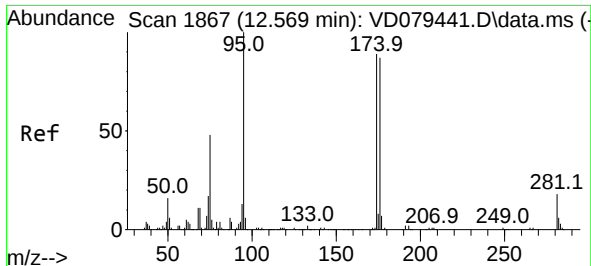
Tgt Ion: 43 Resp: 1162

Ion Ratio Lower Upper

43 100

58 166.6 36.6 55.0#

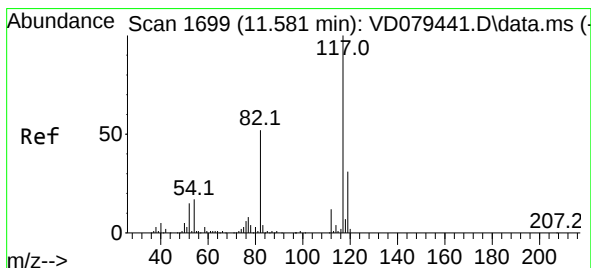
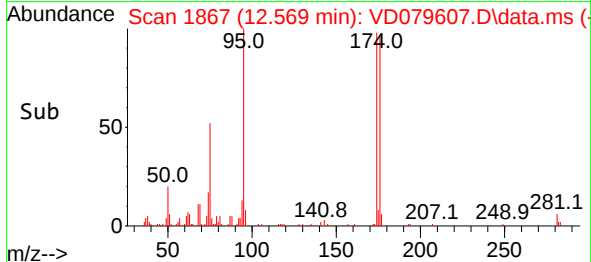
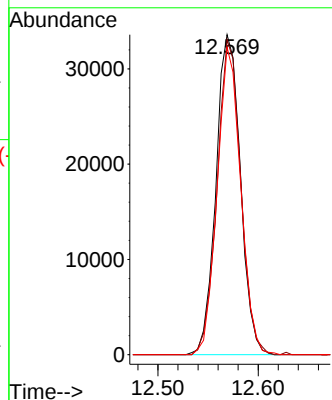
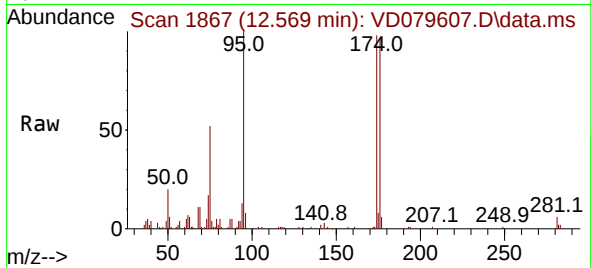




#62
4-Bromofluorobenzene
Concen: 31.286 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

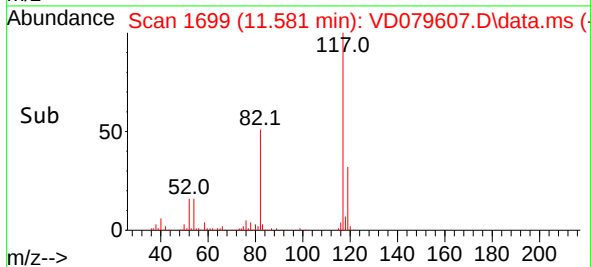
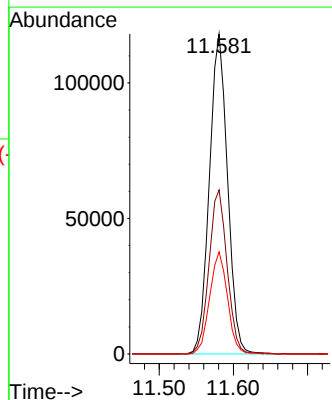
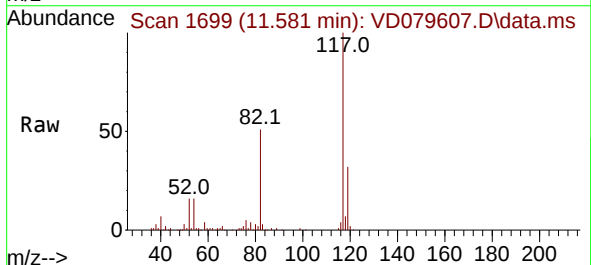
Instrument :
MSVOA_D
ClientSampleId :

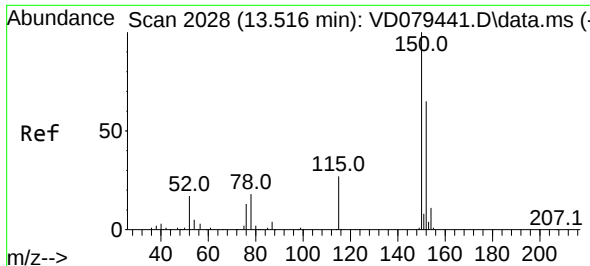
Tgt Ion:	95	Resp:	56671
Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	195.4
176	92.8	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

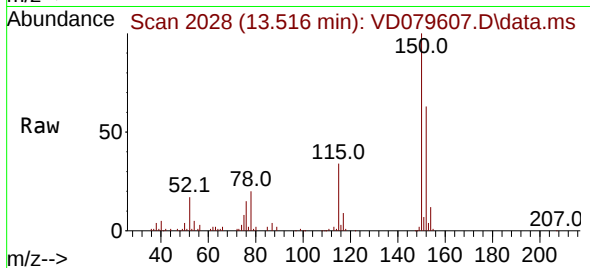
Tgt Ion:	117	Resp:	201134
Ion	Ratio	Lower	Upper
117	100		
82	51.3	39.8	59.6
119	31.9	25.7	38.5



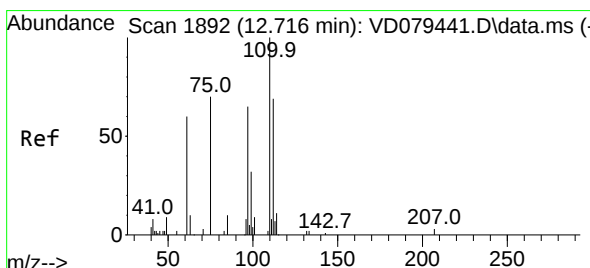
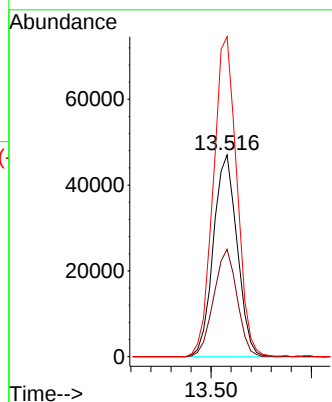
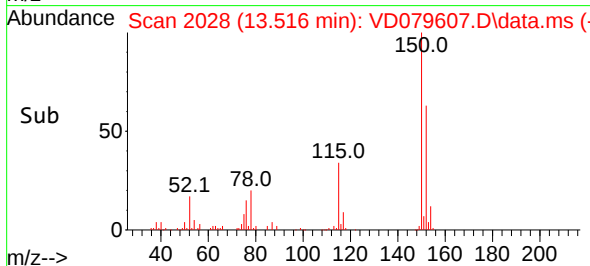


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD079607.D
 Acq: 06 Aug 2024 05:06

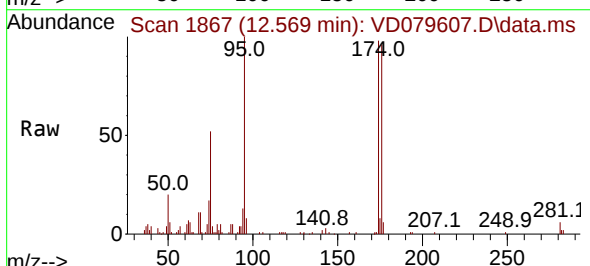
Instrument :
 MSVOA_D
 ClientSampleId :



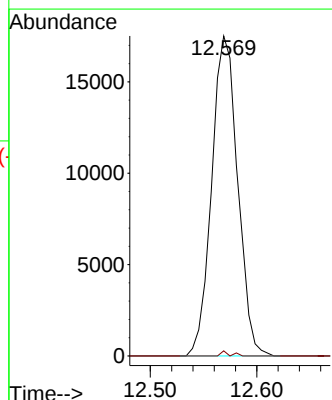
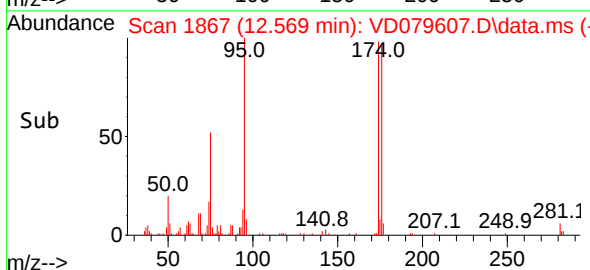
Tgt Ion:152 Resp: 77425
 Ion Ratio Lower Upper
 152 100
 115 52.1 26.5 79.5
 150 157.1 0.0 341.6

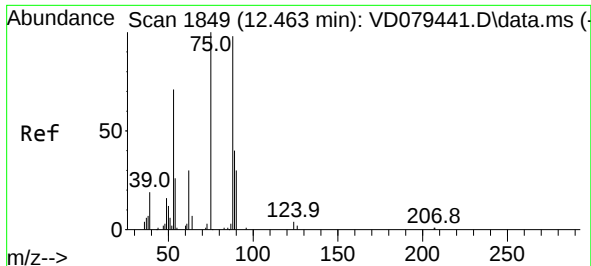


#76
 1,2,3-Trichloropropane
 Concen: 43.845 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD079607.D
 Acq: 06 Aug 2024 05:06



Tgt Ion: 75 Resp: 29673
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#

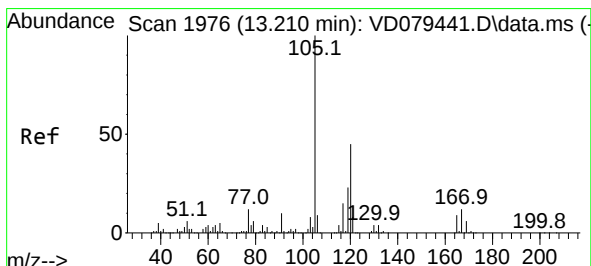
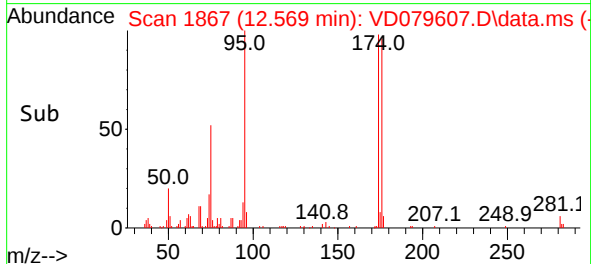
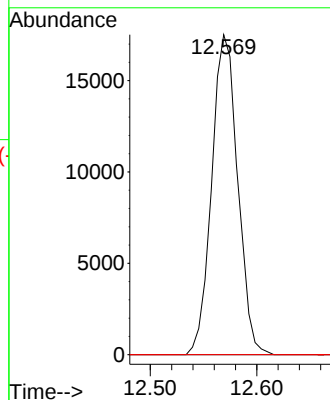
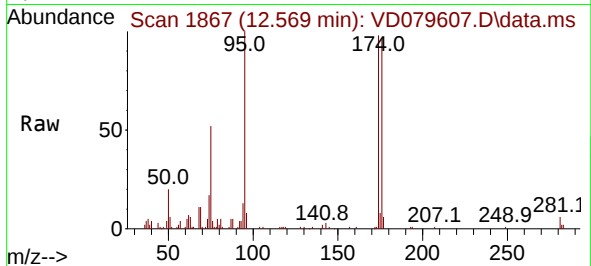




#81
trans-1,4-Dichloro-2-butene
Concen: 83.624 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

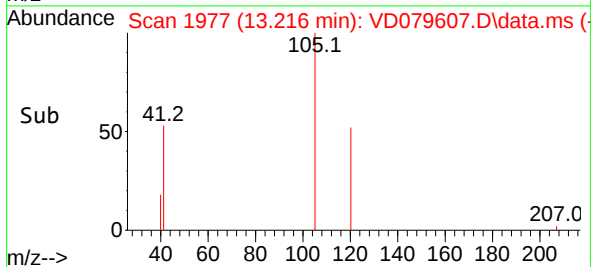
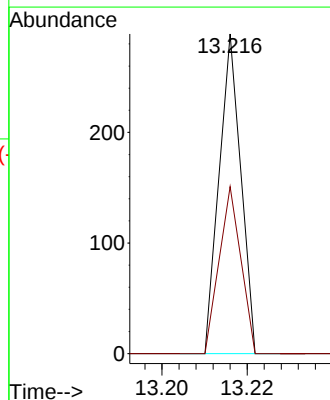
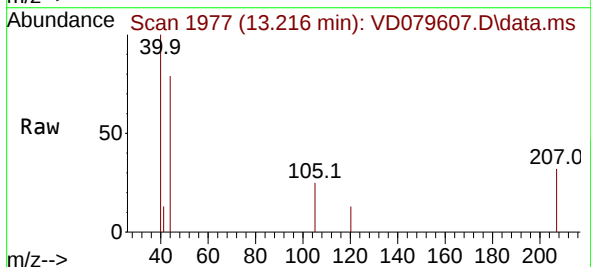
Instrument :
MSVOA_D
ClientSampleId :

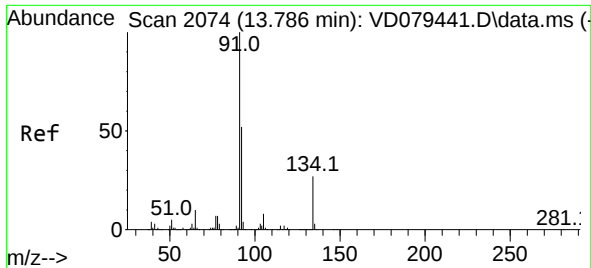
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.0	35.4	53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.448 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.012 min
Lab File: VD079607.D
Acq: 06 Aug 2024 05:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.0	23.6	71.0





#89

n-Butylbenzene

Concen: 3.795 ug/l

RT: 13.510 min Scan# 20

Delta R.T. -0.271 min

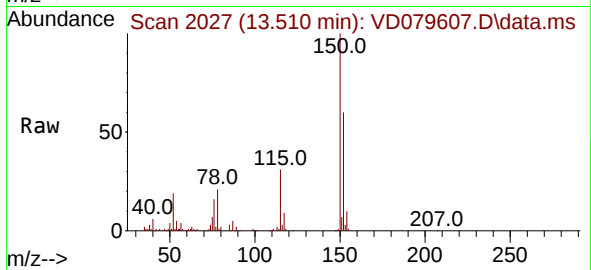
Lab File: VD079607.D

Acq: 06 Aug 2024 05:06

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 91 Resp: 69

Ion Ratio Lower Upper

91 100

92 0.0 25.7 77.0#

134 0.0 13.6 40.8#

