

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079603.D
 Acq On : 06 Aug 2024 03:18
 Operator : RP/MD
 Sample : P3374-23
 Misc : 8.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 05:13:13 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)

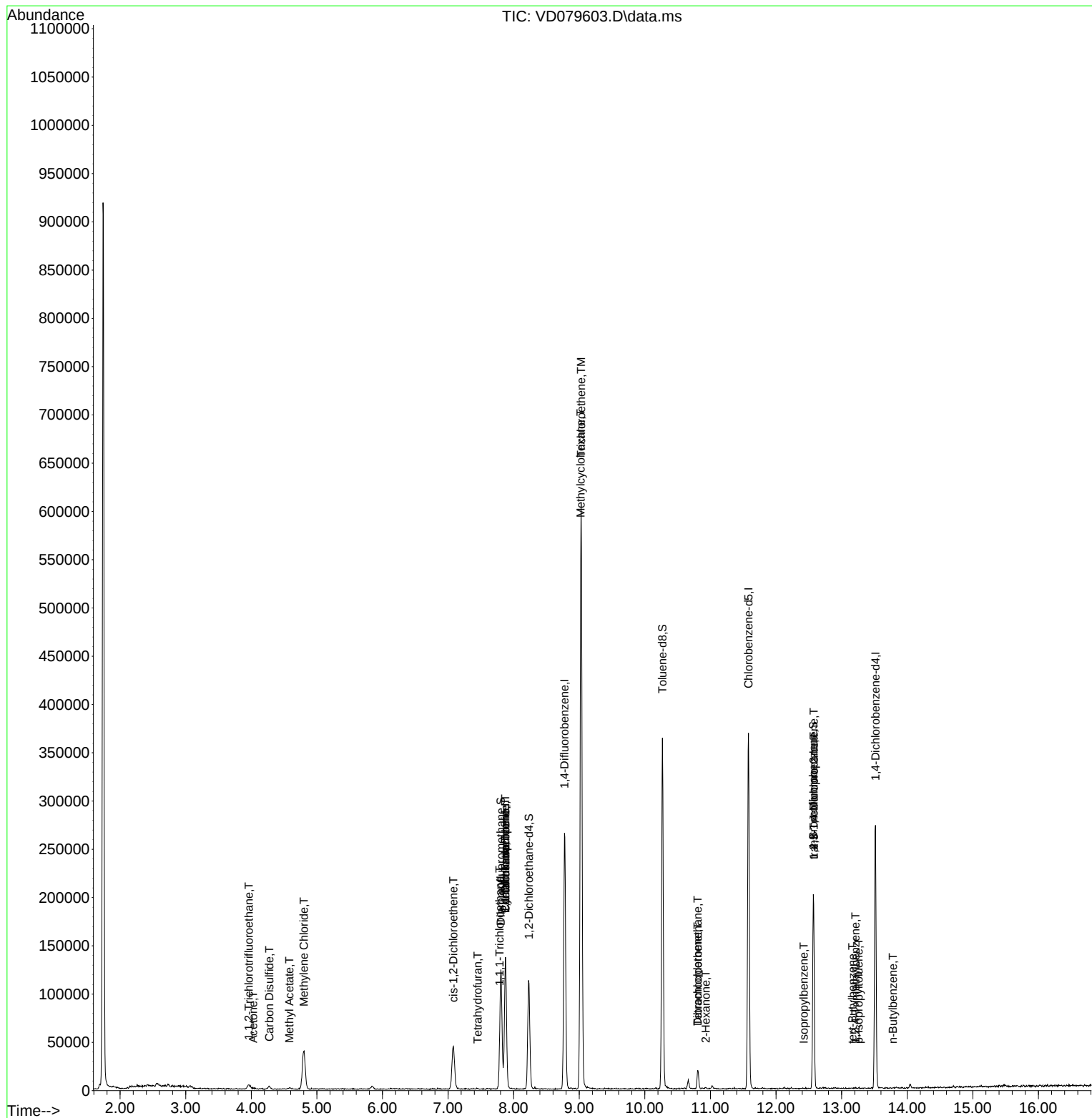
Internal Standards						
1) Pentafluorobenzene	7.875	168	104755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	246493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	225093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	77017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	87881	82.579	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 165.160%#	
35) Dibromofluoromethane	7.805	113	88576	53.091	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.180%	
50) Toluene-d8	10.269	98	252642	38.994	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 77.980%	
62) 4-Bromofluorobenzene	12.569	95	61180	32.632	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	278	Below Cal	#	31
9) 1,1,2-Trichlorotrifluo...	3.964	101	3013	2.664	ug/l	90
11) Tert butyl alcohol	5.040	59	61	Below Cal	#	86
16) Acetone	4.028	43	1146	5.541	ug/l	# 73
17) Carbon Disulfide	4.275	76	6100	1.633	ug/l	95
18) Methyl Acetate	4.581	43	2086	3.249	ug/l	# 55
20) Methylene Chloride	4.805	84	32272	8.474	ug/l	89
27) cis-1,2-Dichloroethene	7.081	96	28897	19.883	ug/l	98
29) Tetrahydrofuran	7.452	42	280	1.541	ug/l	# 65
31) Cyclohexane	7.875	56	2273	1.286	ug/l	# 21
32) 1,1,1-Trichloroethane	7.787	97	1995	1.071	ug/l	# 39
36) 1,1-Dichloropropene	7.875	75	8157	3.582	ug/l	# 46
38) Carbon Tetrachloride	7.875	117	10514	4.392	ug/l	# 18
39) Methylcyclohexane	9.022	83	3063	1.127	ug/l	# 3
44) Trichloroethene	9.028	130	231835	128.765	ug/l	99
59) 2-Hexanone	10.928	43	817	1.308	ug/l	97
60) Dibromochloromethane	10.804	129	4130	2.460	ug/l	# 11
64) Tetrachloroethene	10.804	164	4824	3.178	ug/l	93
73) Isopropylbenzene	12.422	105	299	3.676	ug/l	# 48
76) 1,2,3-Trichloropropane	12.575	75	30945	45.967	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	30945	87.671	ug/l	# 19
83) tert-Butylbenzene	13.163	119	144	3.660	ug/l	# 31
84) 1,2,4-Trimethylbenzene	13.210	105	454	3.516	ug/l	# 29
86) p-Isopropyltoluene	13.257	119	59	3.896	ug/l	# 51
89) n-Butylbenzene	13.781	91	59	3.793	ug/l	# 34

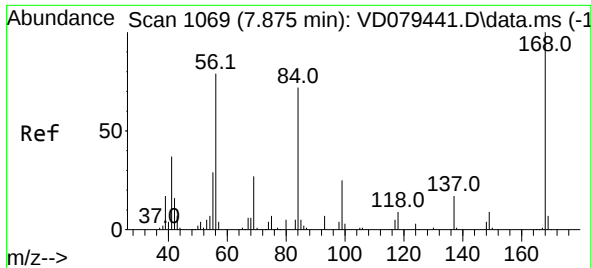
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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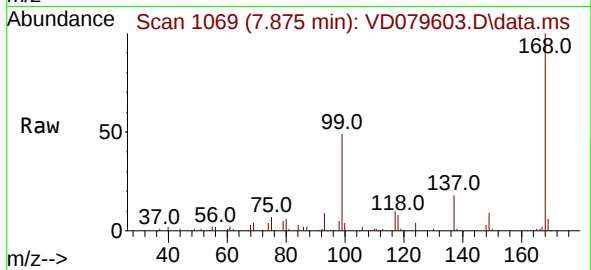
Quant Time: Aug 06 05:13:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
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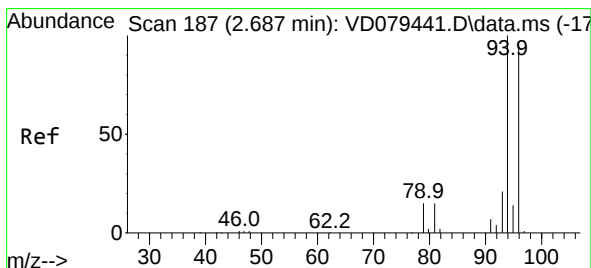
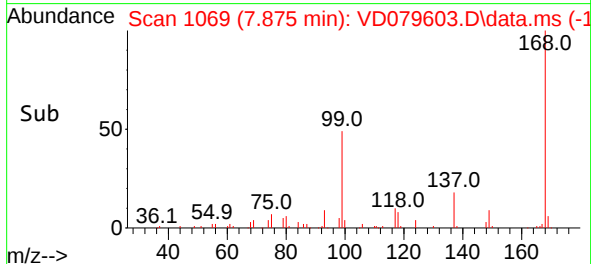
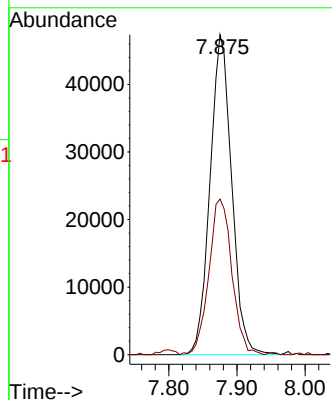


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Instrument :
MSVOA_D
ClientSampleId :

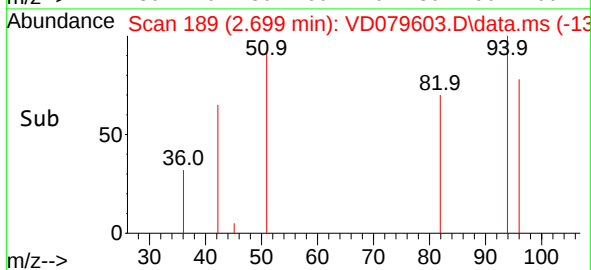
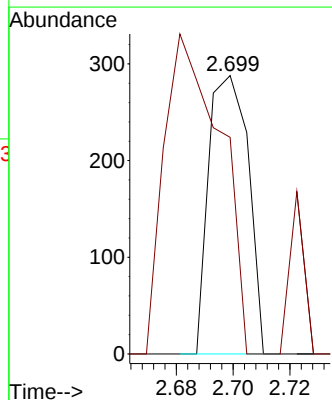
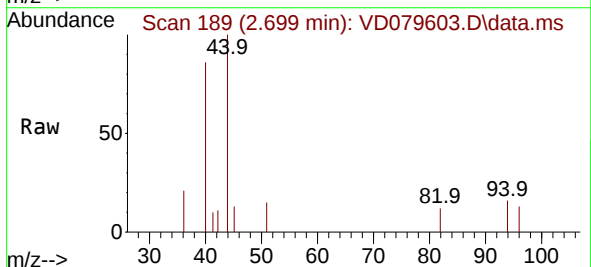


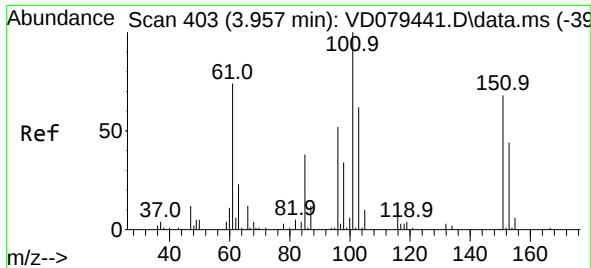
Tgt Ion:168 Resp: 104755
Ion Ratio Lower Upper
168 100
99 48.6 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Tgt Ion: 94 Resp: 278
Ion Ratio Lower Upper
94 100
96 163.3 76.9 115.3#

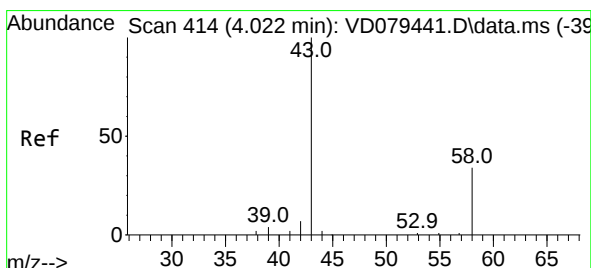
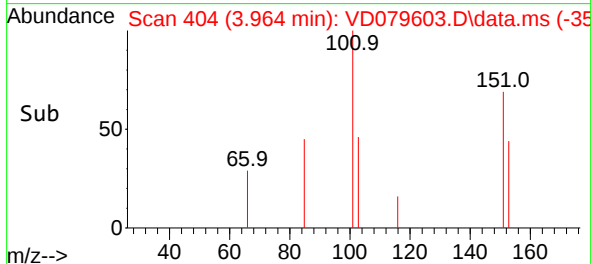
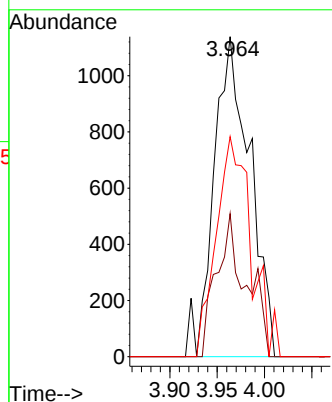
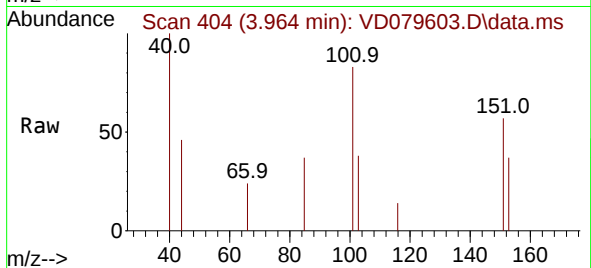




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.664 ug/l
RT: 3.964 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

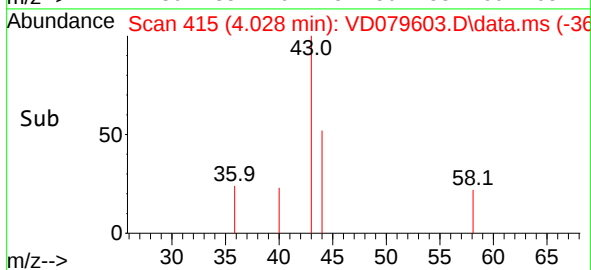
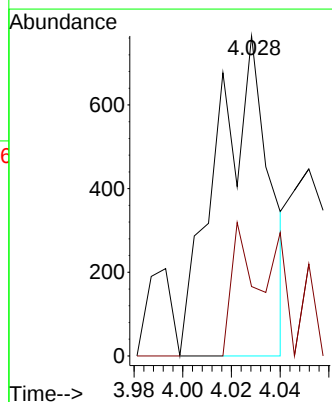
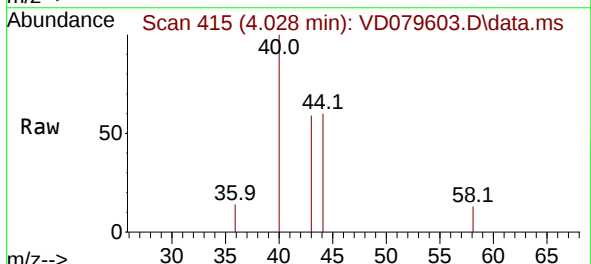
Instrument :
MSVOA_D
ClientSampleId :

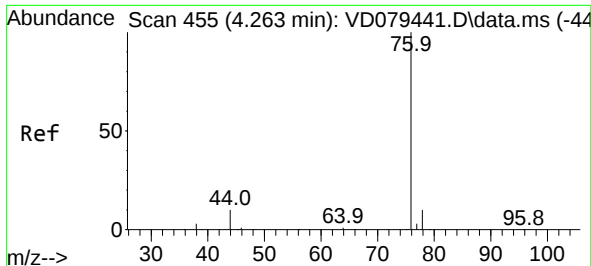
Tgt Ion:101 Resp: 3013
Ion Ratio Lower Upper
101 100
85 37.0 33.5 50.3
151 66.4 60.3 90.5



#16
Acetone
Concen: 5.541 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
58 21.7 30.4 45.6#





#17

Carbon Disulfide

Concen: 1.633 ug/l

RT: 4.275 min Scan# 4

Delta R.T. 0.012 min

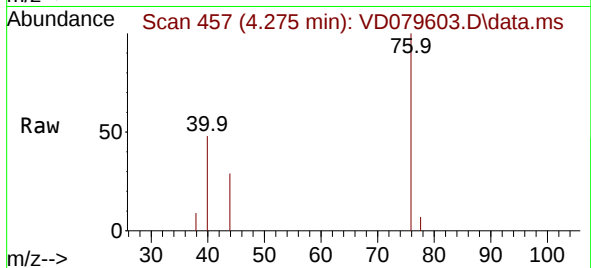
Lab File: VD079603.D

Acq: 06 Aug 2024 03:18

Instrument :

MSVOA_D

ClientSampleId :

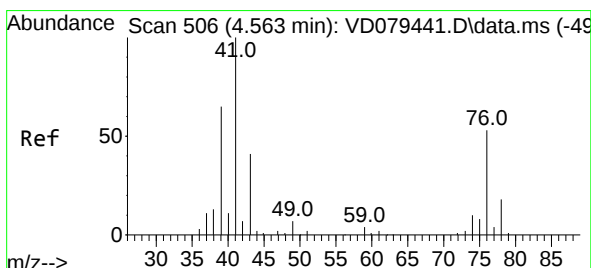
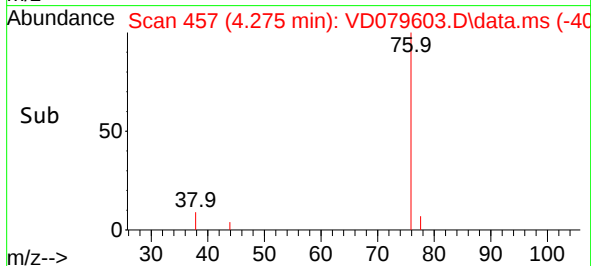
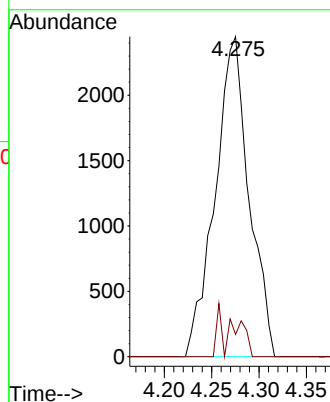


Tgt Ion: 76 Resp: 6100

Ion Ratio Lower Upper

76 100

78 7.0 6.9 10.3



#18

Methyl Acetate

Concen: 3.249 ug/l

RT: 4.581 min Scan# 509

Delta R.T. 0.012 min

Lab File: VD079603.D

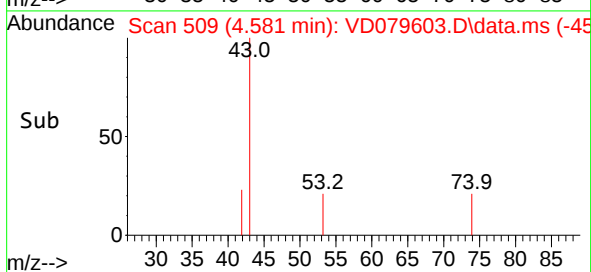
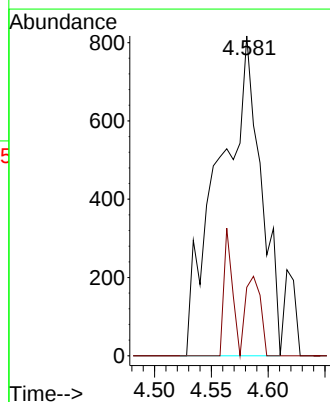
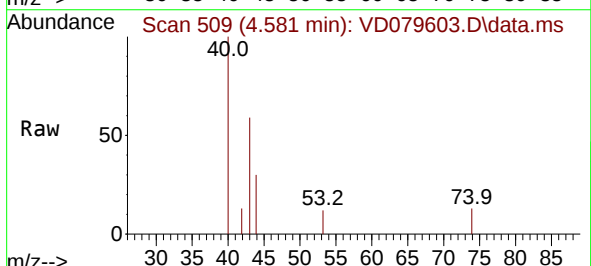
Acq: 06 Aug 2024 03:18

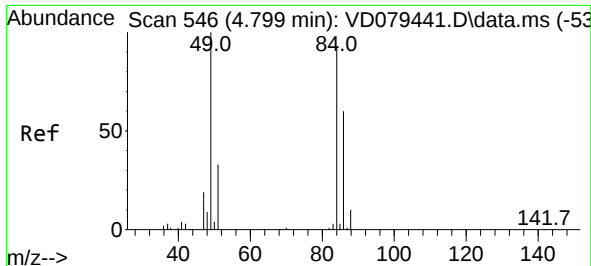
Tgt Ion: 43 Resp: 2086

Ion Ratio Lower Upper

43 100

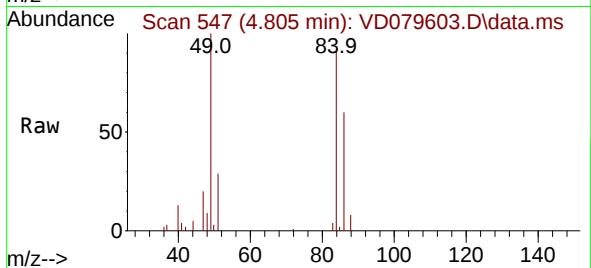
74 9.0 28.1 42.1#



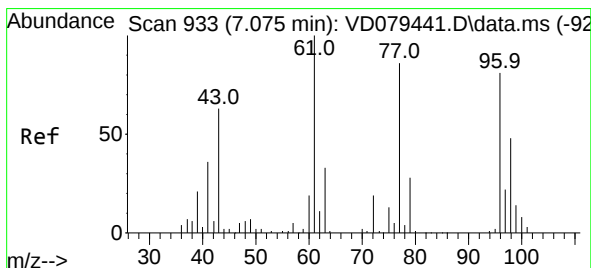
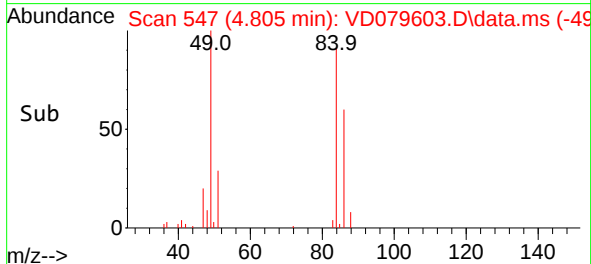
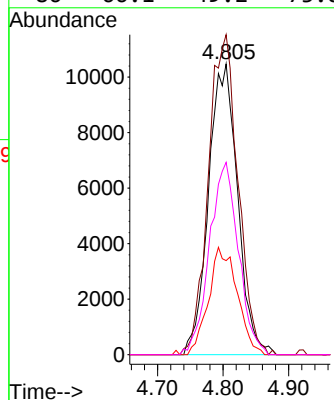


#20
Methylene Chloride
Concen: 8.474 ug/l
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Instrument :
MSVOA_D
ClientSampleId :

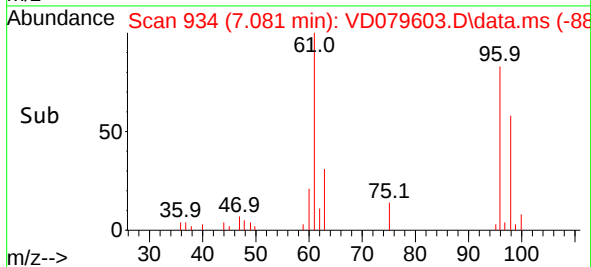
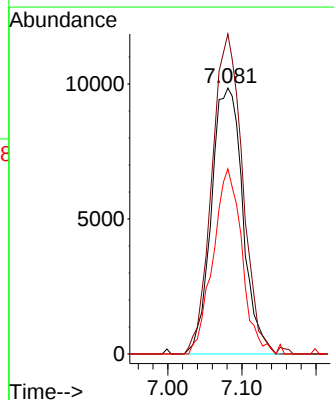
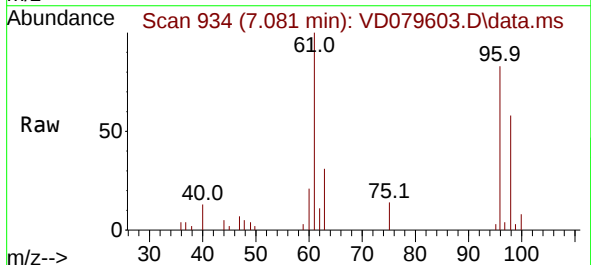


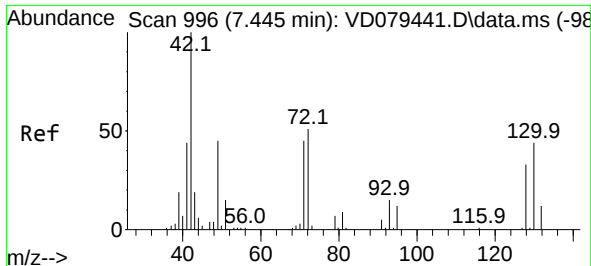
Tgt Ion: 84	Resp: 32272
Ion Ratio	Lower Upper
84 100	
49 110.0	75.6 113.4
51 32.4	24.2 36.2
86 66.1	49.2 73.8



#27
cis-1,2-Dichloroethene
Concen: 19.883 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Tgt Ion: 96	Resp: 28897
Ion Ratio	Lower Upper
96 100	
61 117.7	0.0 229.0
98 64.0	0.0 127.2





#29

Tetrahydrofuran

Concen: 1.541 ug/l

RT: 7.452 min Scan# 997

Delta R.T. 0.006 min

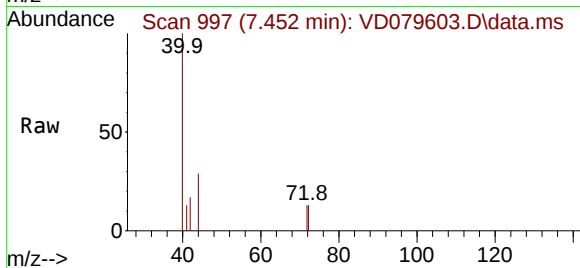
Lab File: VD079603.D

Acq: 06 Aug 2024 03:18

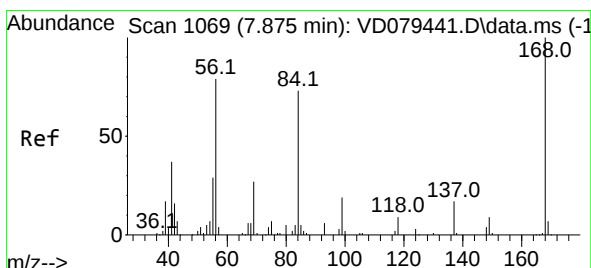
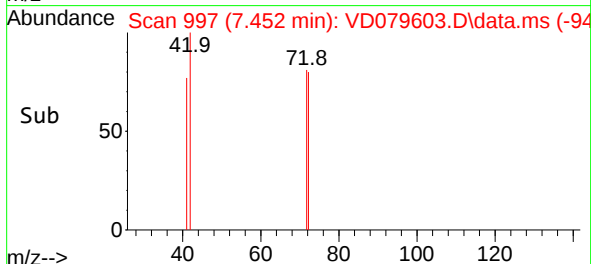
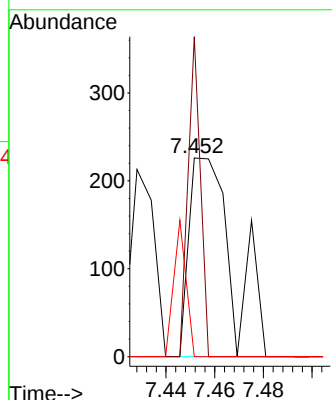
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	280
Ion	Ratio	Lower	Upper
42	100		
72	45.7	49.4	74.0#
71	19.6	45.0	67.6#



#31

Cyclohexane

Concen: 1.286 ug/l

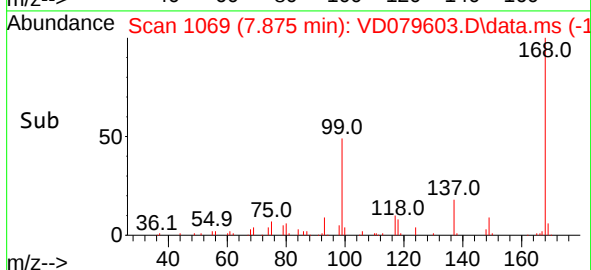
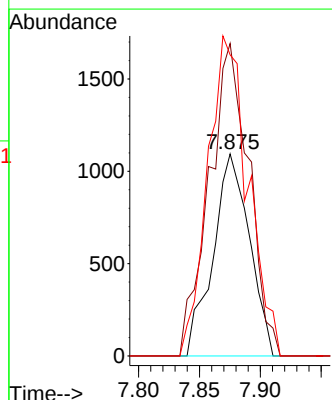
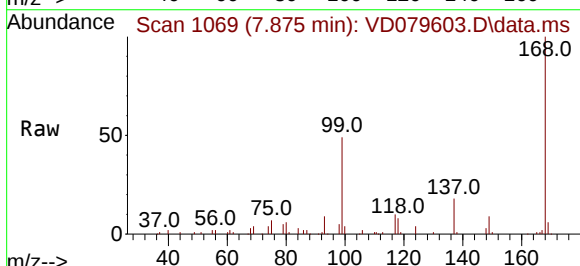
RT: 7.875 min Scan# 1069

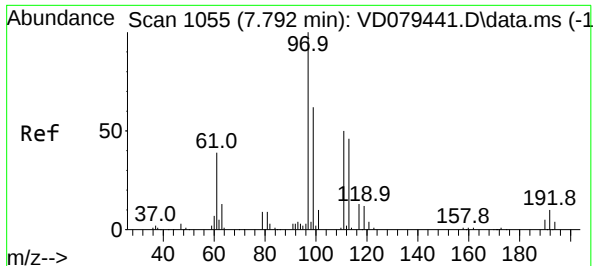
Delta R.T. -0.006 min

Lab File: VD079603.D

Acq: 06 Aug 2024 03:18

Tgt Ion:	56	Resp:	2273
Ion	Ratio	Lower	Upper
56	100		
69	154.7	28.0	42.0#
84	149.1	87.4	131.0#





#32

1,1,1-Trichloroethane

Concen: 1.071 ug/l

RT: 7.787 min Scan# 1130

Delta R.T. -0.006 min

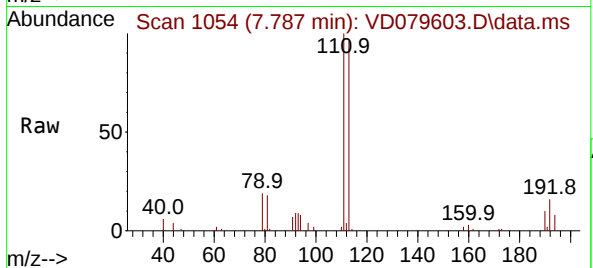
Lab File: VD079603.D

Acq: 06 Aug 2024 03:18

Instrument :

MSVOA_D

ClientSampleId :



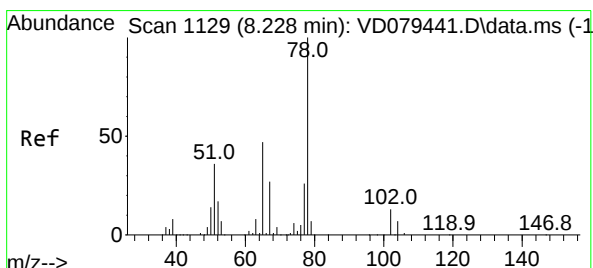
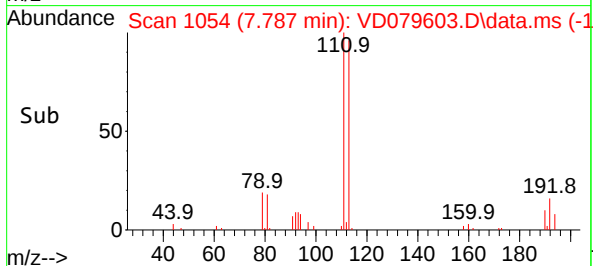
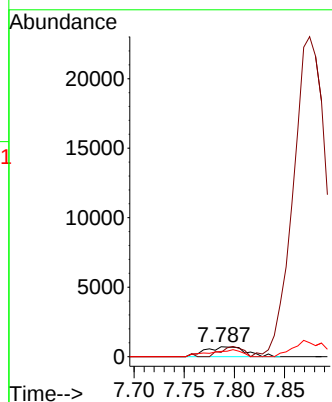
Tgt Ion: 97 Resp: 1995

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

61 55.5 31.4 47.2#



#33

1,2-Dichloroethane-d4

Concen: 82.579 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD079603.D

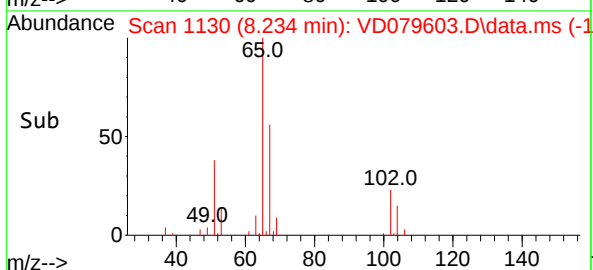
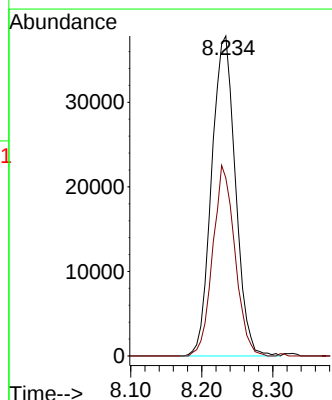
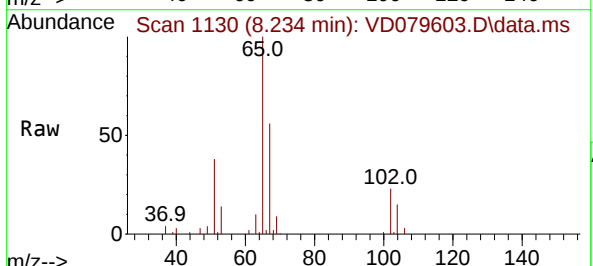
Acq: 06 Aug 2024 03:18

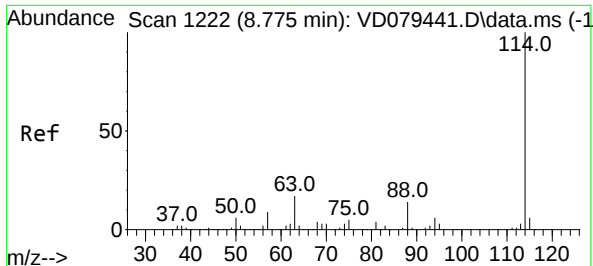
Tgt Ion: 65 Resp: 87881

Ion Ratio Lower Upper

65 100

67 55.6 0.0 111.0

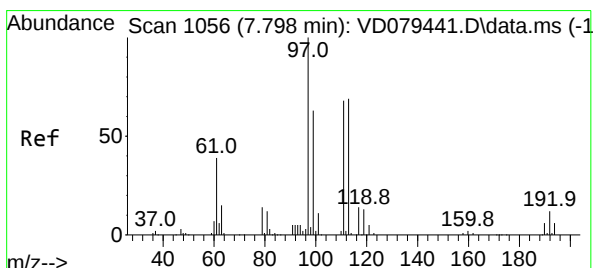
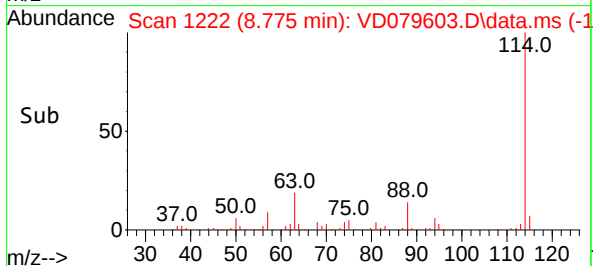
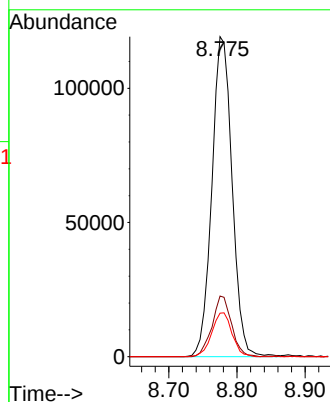
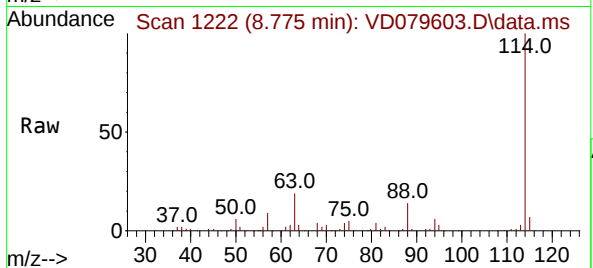




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

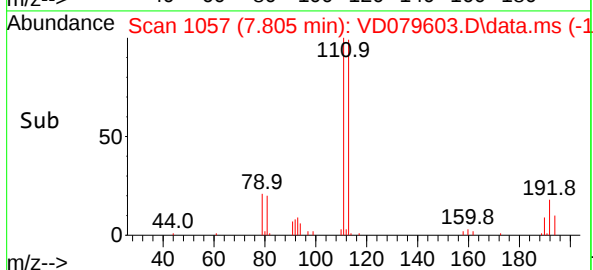
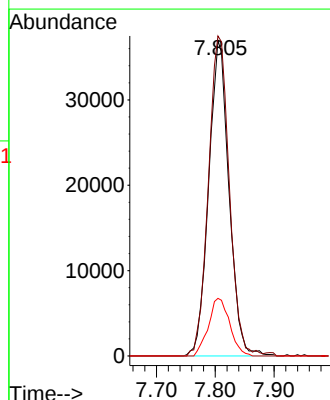
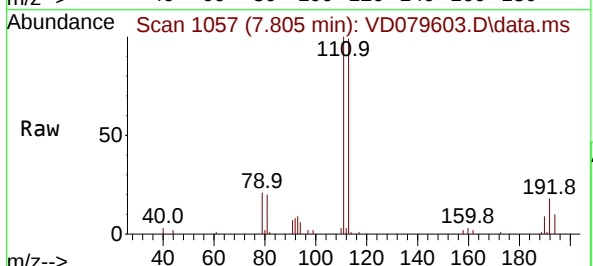
Instrument :
MSVOA_D
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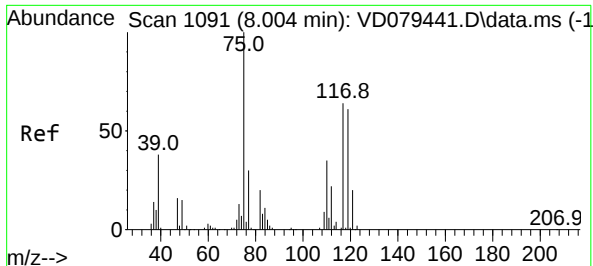
Tgt Ion:114 Resp: 246493
Ion Ratio Lower Upper
114 100
63 19.0 0.0 34.0
88 13.6 0.0 27.2



#35
Dibromofluoromethane
Concen: 53.091 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Tgt Ion:113 Resp: 88576
Ion Ratio Lower Upper
113 100
111 104.2 84.0 126.0
192 19.2 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.582 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

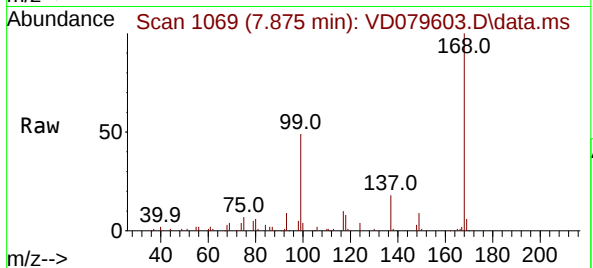
Lab File: VD079603.D

Acq: 06 Aug 2024 03:18

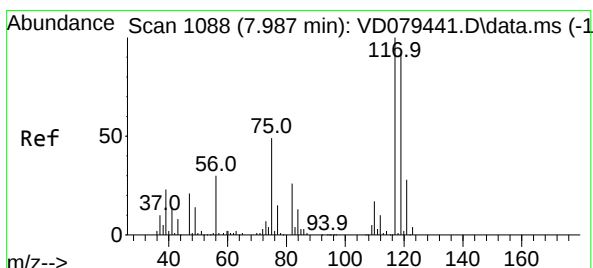
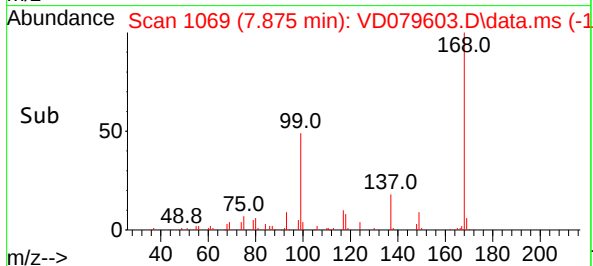
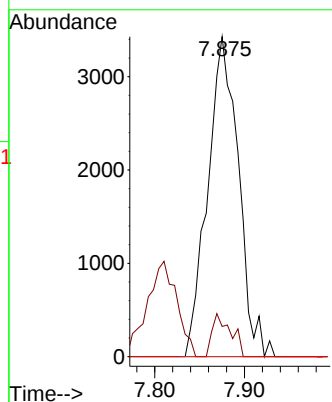
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 8157
Ion Ratio	Lower Upper
75	100
110	8.1 19.6 58.7#
77	0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.392 ug/l

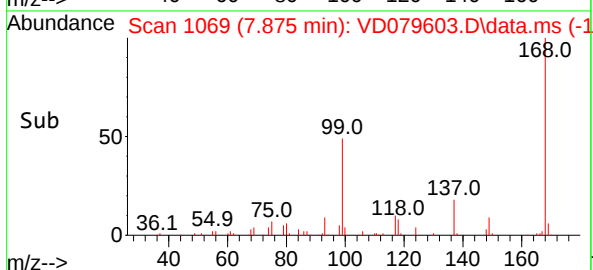
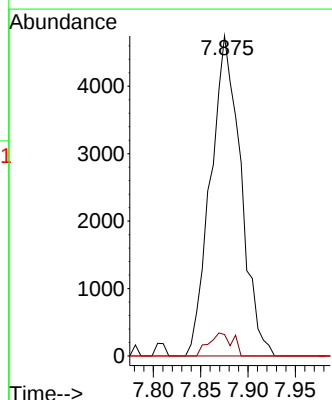
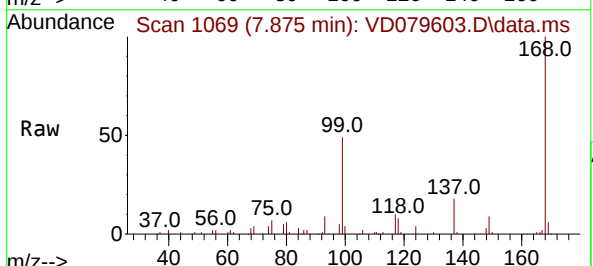
RT: 7.875 min Scan# 1069

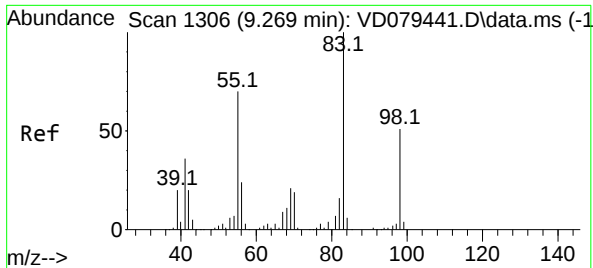
Delta R.T. -0.112 min

Lab File: VD079603.D

Acq: 06 Aug 2024 03:18

Tgt Ion: 117	Resp: 10514
Ion Ratio	Lower Upper
117	100
119	6.7 75.4 113.0#
121	0.0 25.0 37.4#

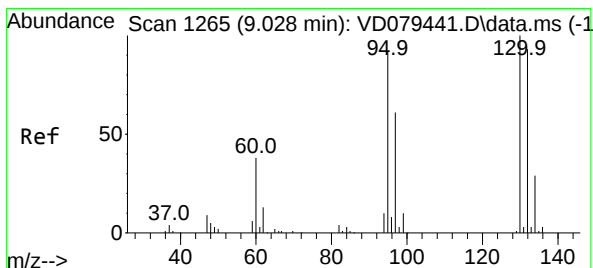
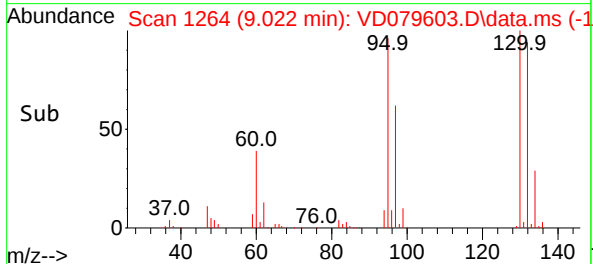
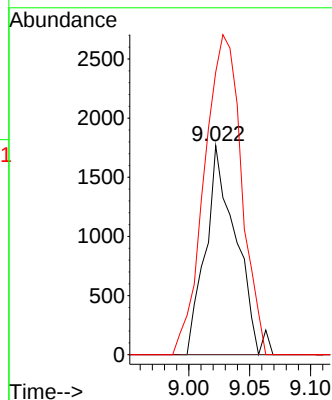
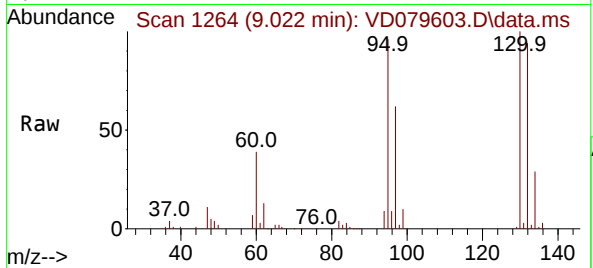




#39
Methylcyclohexane
Concen: 1.127 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.253 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

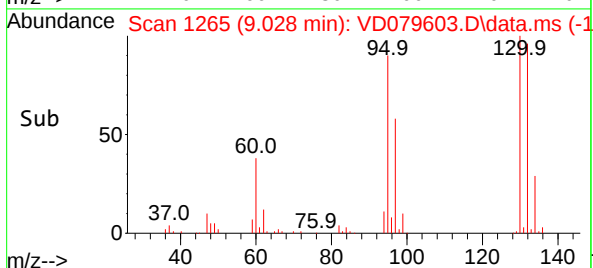
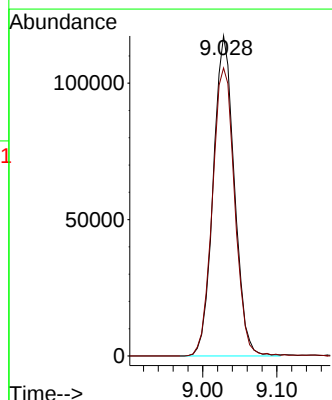
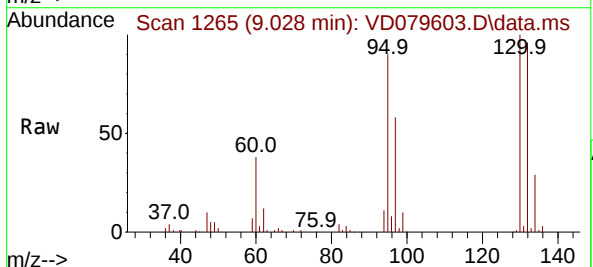
Instrument :
MSVOA_D
ClientSampleId :

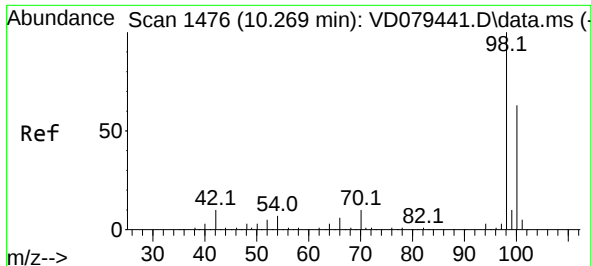
Tgt Ion: 83 Resp: 3063
Ion Ratio Lower Upper
83 100
55 0.0 50.1 75.1#
98 135.1 41.9 62.9#



#44
Trichloroethene
Concen: 128.765 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Tgt Ion:130 Resp: 231835
Ion Ratio Lower Upper
130 100
95 90.0 0.0 177.8

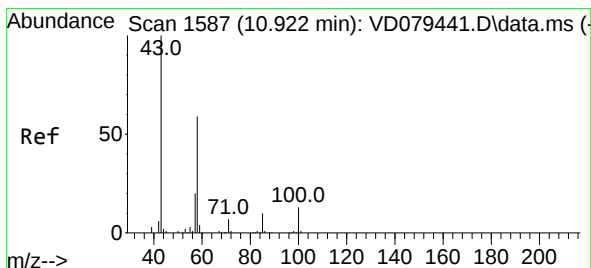
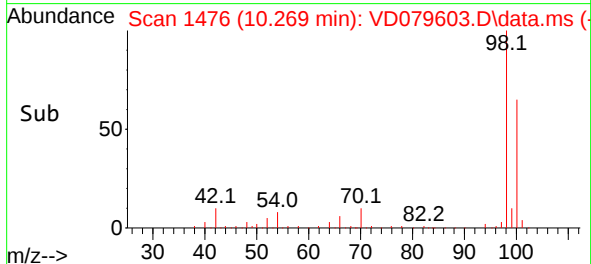
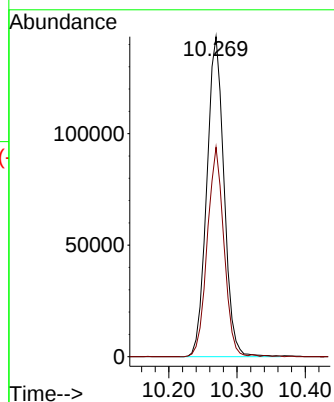
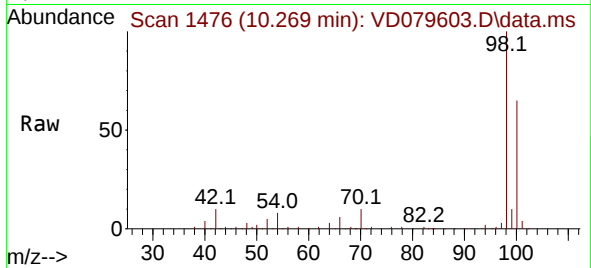




#50
Toluene-d8
Concen: 38.994 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

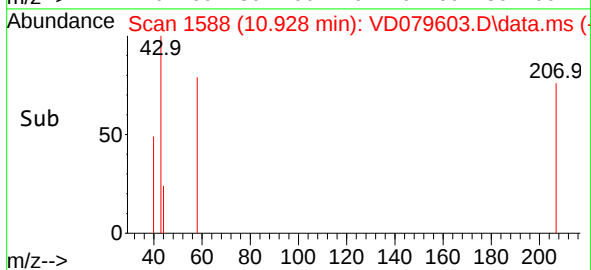
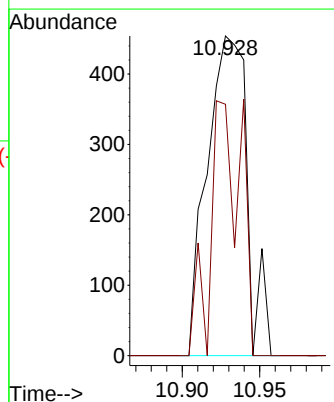
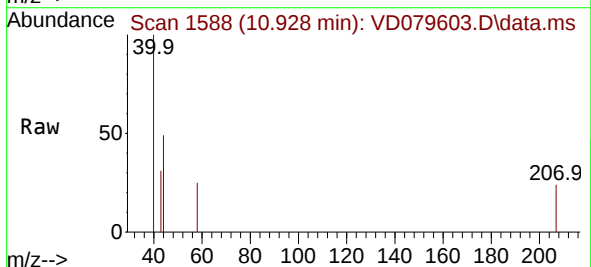
Instrument :
MSVOA_D
ClientSampleId :

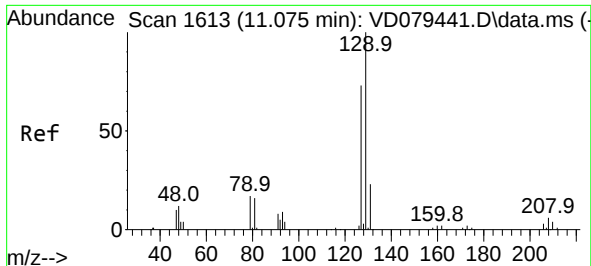
Tgt Ion: 98 Resp: 252642
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



#59
2-Hexanone
Concen: 1.308 ug/l
RT: 10.928 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 60.3 31.1 93.5

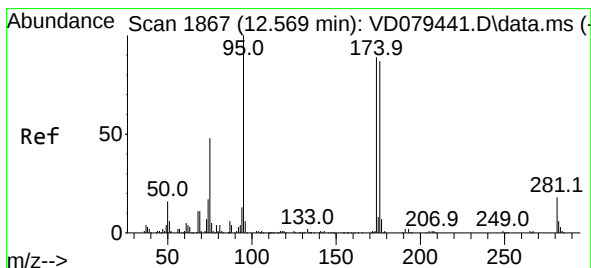
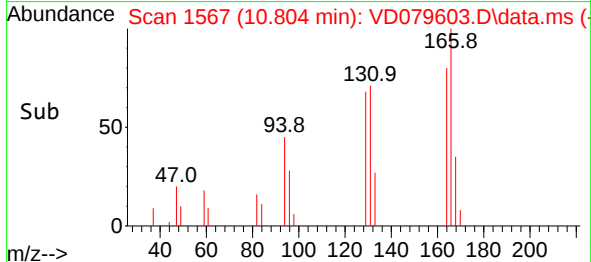
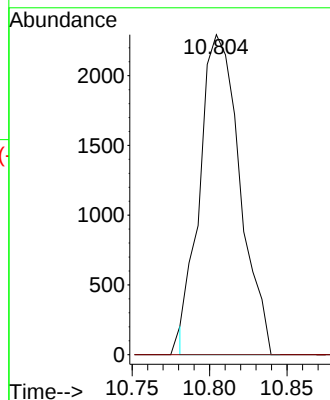
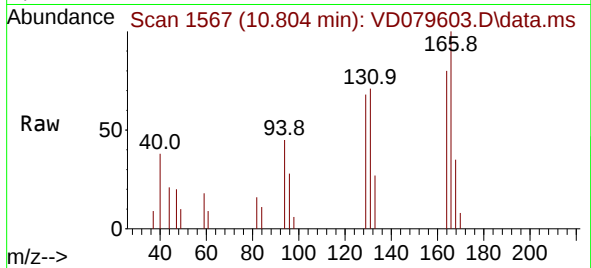




#60
Dibromochloromethane
Concen: 2.460 ug/l
RT: 10.804 min Scan# 1567
Delta R.T. -0.265 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

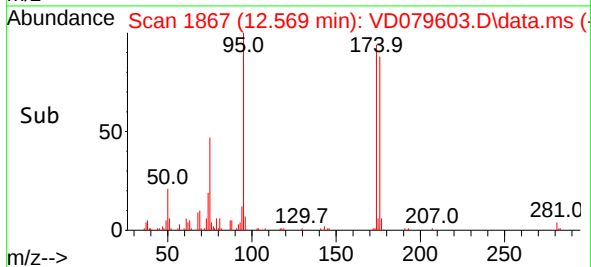
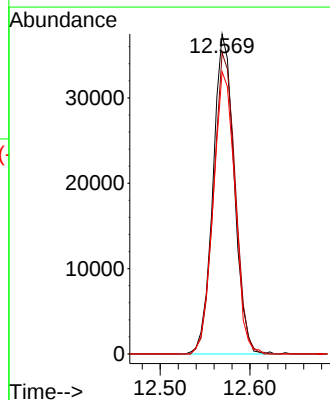
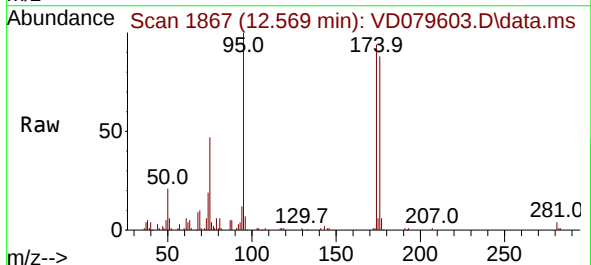
Instrument :
MSVOA_D
ClientSampleId :

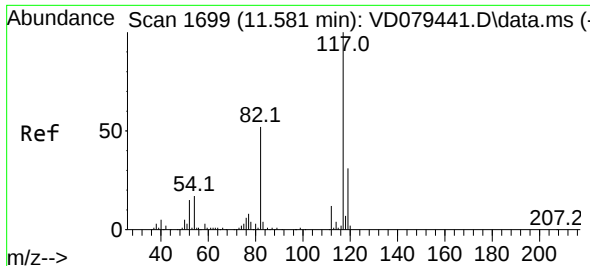
Tgt Ion:129 Resp: 4130
Ion Ratio Lower Upper
129 100
127 0.0 38.0 113.9#



#62
4-Bromofluorobenzene
Concen: 32.632 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

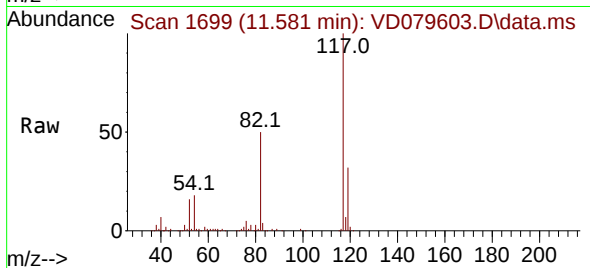
Tgt Ion: 95 Resp: 61180
Ion Ratio Lower Upper
95 100
174 96.4 0.0 195.4
176 90.9 0.0 192.6



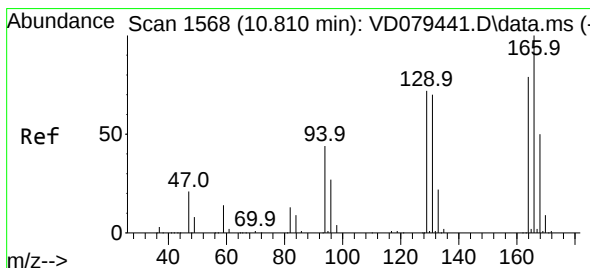
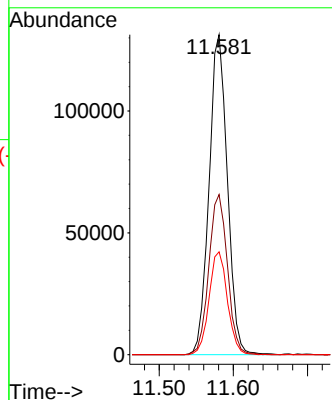
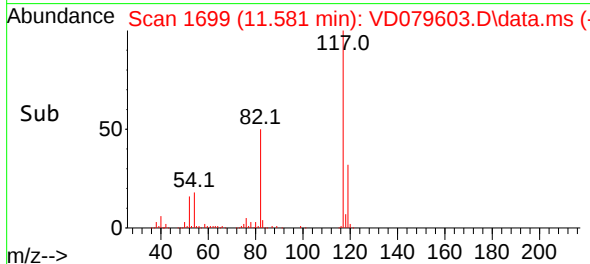


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Instrument :
MSVOA_D
ClientSampleId :

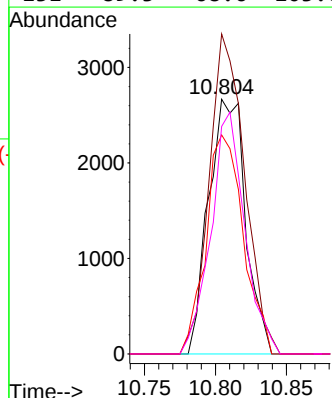
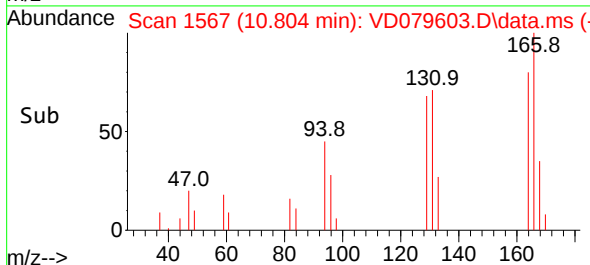
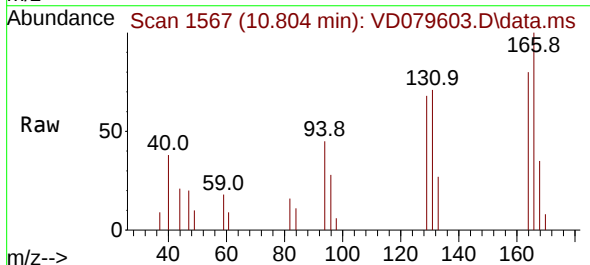


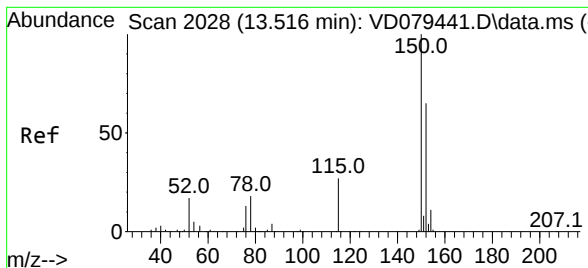
Tgt Ion:117 Resp: 225093
Ion Ratio Lower Upper
117 100
82 50.0 39.8 59.6
119 32.2 25.7 38.5



#64
Tetrachloroethene
Concen: 3.178 ug/l
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Tgt Ion:164 Resp: 4824
Ion Ratio Lower Upper
164 100
166 125.6 108.6 163.0
129 86.0 74.6 112.0
131 89.3 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD079603.D

Acq: 06 Aug 2024 03:18

Instrument :

MSVOA_D

ClientSampleId :

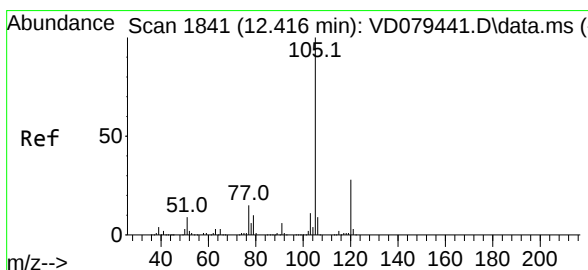
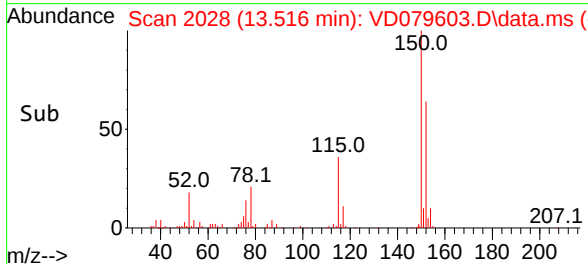
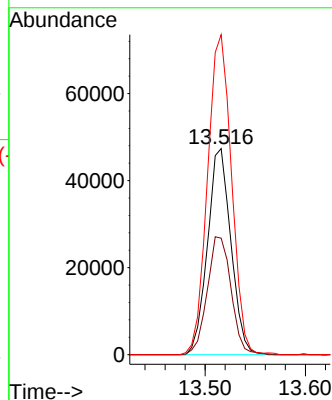
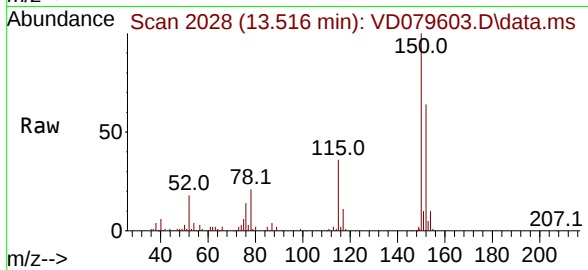
Tgt Ion:152 Resp: 77017

Ion Ratio Lower Upper

152 100

115 58.2 26.5 79.5

150 159.0 0.0 341.6



#73

Isopropylbenzene

Concen: 3.676 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079603.D

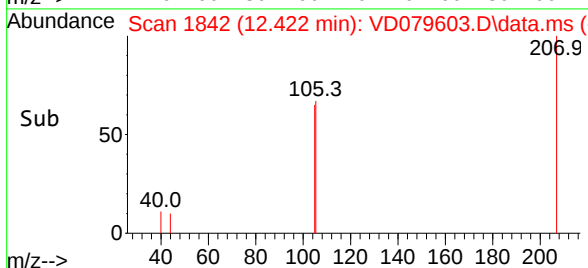
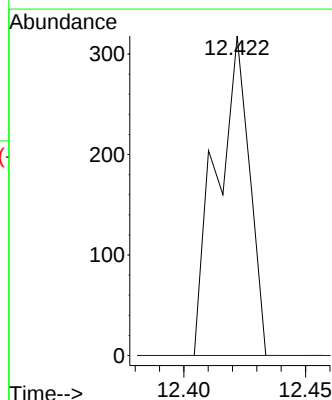
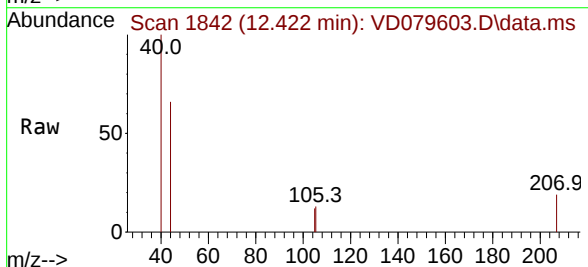
Acq: 06 Aug 2024 03:18

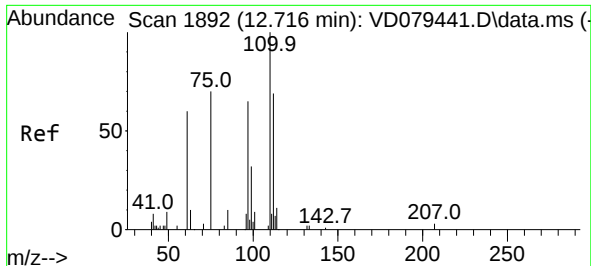
Tgt Ion:105 Resp: 299

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

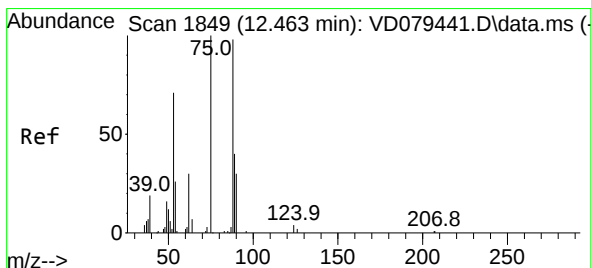
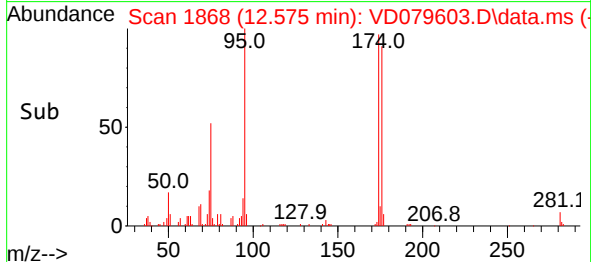
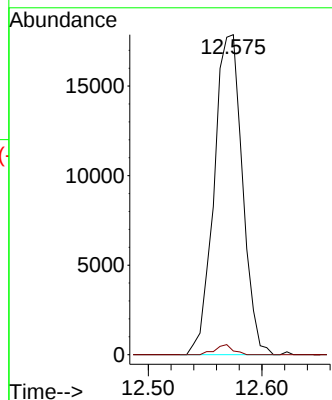
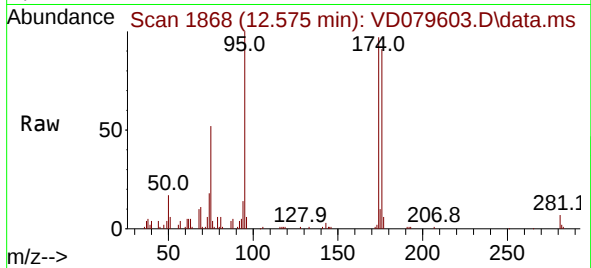




#76
1,2,3-Trichloropropane
Concen: 45.967 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

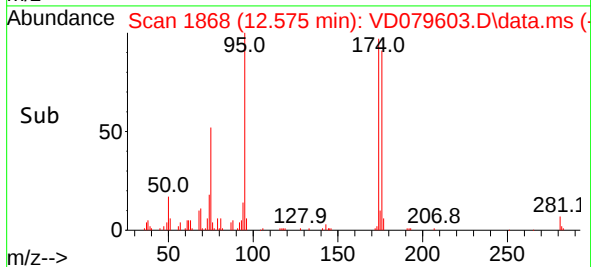
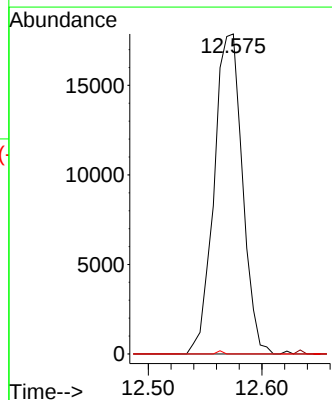
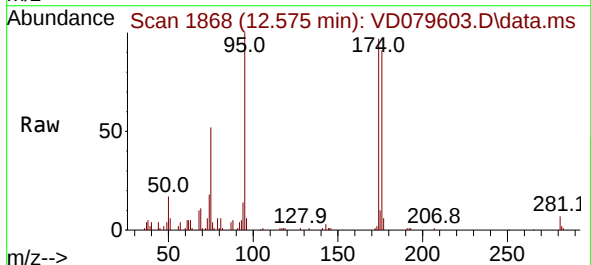
Instrument :
MSVOA_D
ClientSampleId :

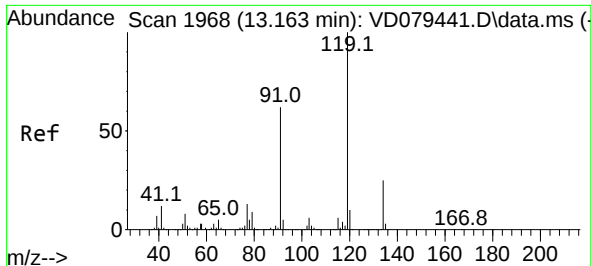
Tgt Ion: 75 Resp: 30945
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.671 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

Tgt Ion: 75 Resp: 30945
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.2 35.4 53.0#

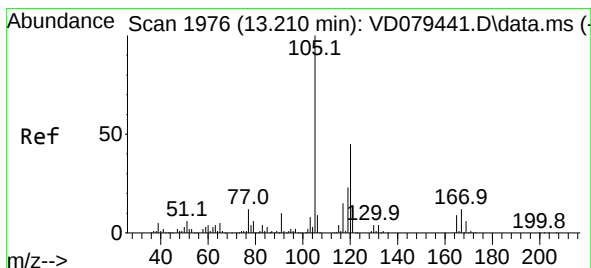
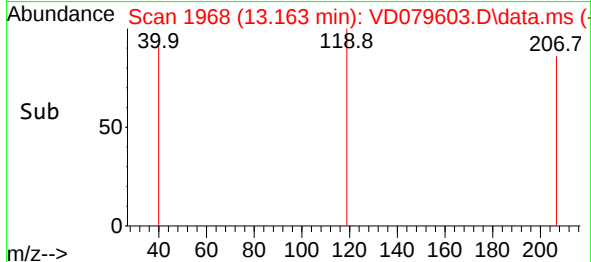
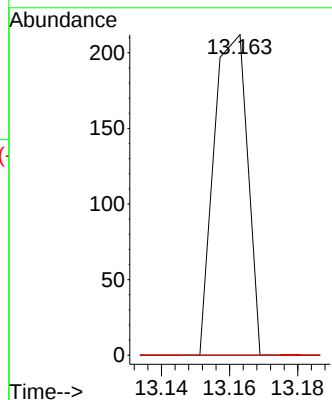
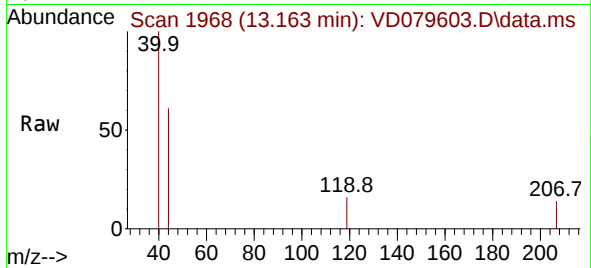




#83
tert-Butylbenzene
Concen: 3.660 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. 0.000 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

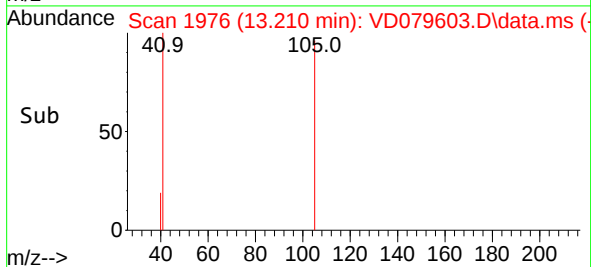
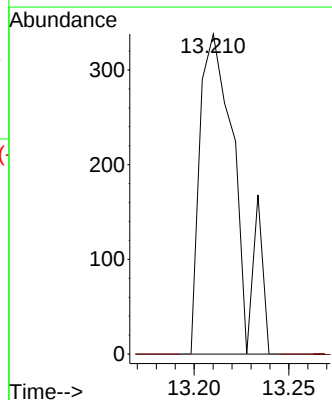
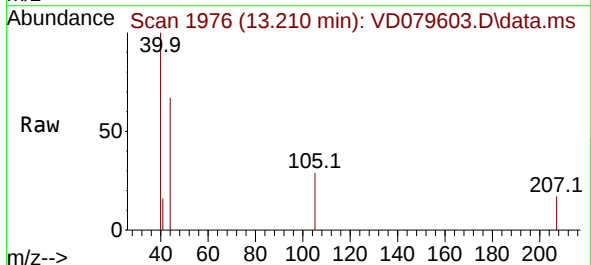
Instrument :
MSVOA_D
ClientSampleId :

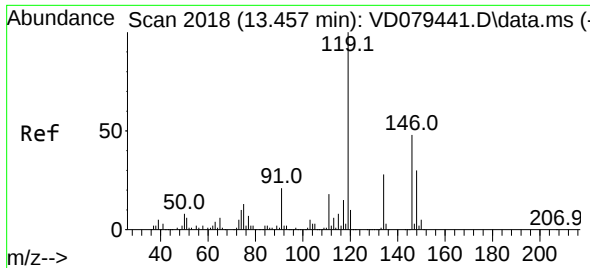
Tgt Ion:119 Resp: 144
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.516 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

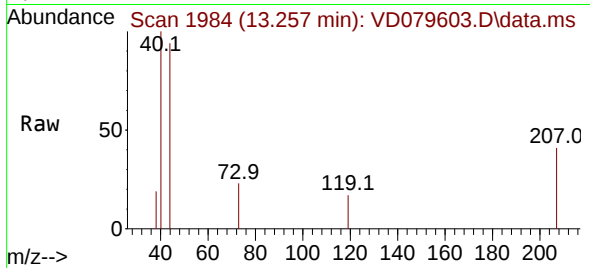
Tgt Ion:105 Resp: 454
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



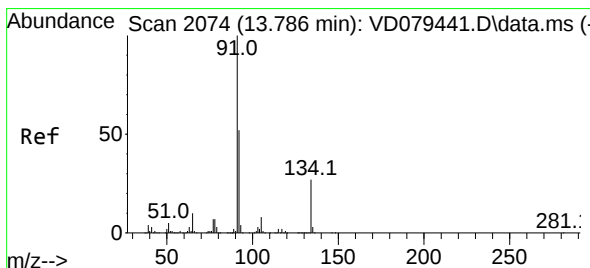
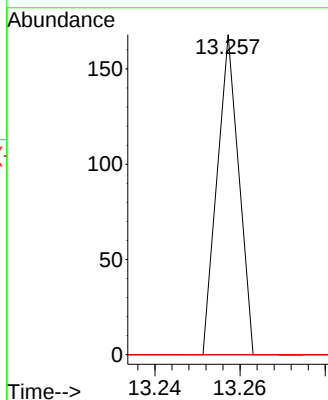
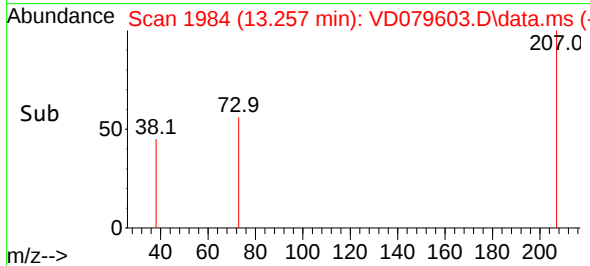


#86
p-Isopropyltoluene
Concen: 3.896 ug/l
RT: 13.257 min Scan# 1984
Delta R.T. -0.200 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18

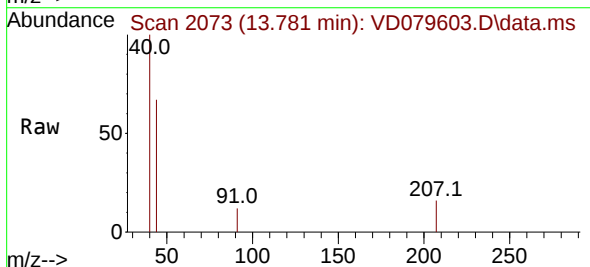
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:119 Resp: 59
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.793 ug/l
RT: 13.781 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VD079603.D
Acq: 06 Aug 2024 03:18



Tgt Ion: 91 Resp: 59
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

