

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079604.D
 Acq On : 06 Aug 2024 03:45
 Operator : RP/MD
 Sample : P3374-21
 Misc : 6.28G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 05:13:39 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)

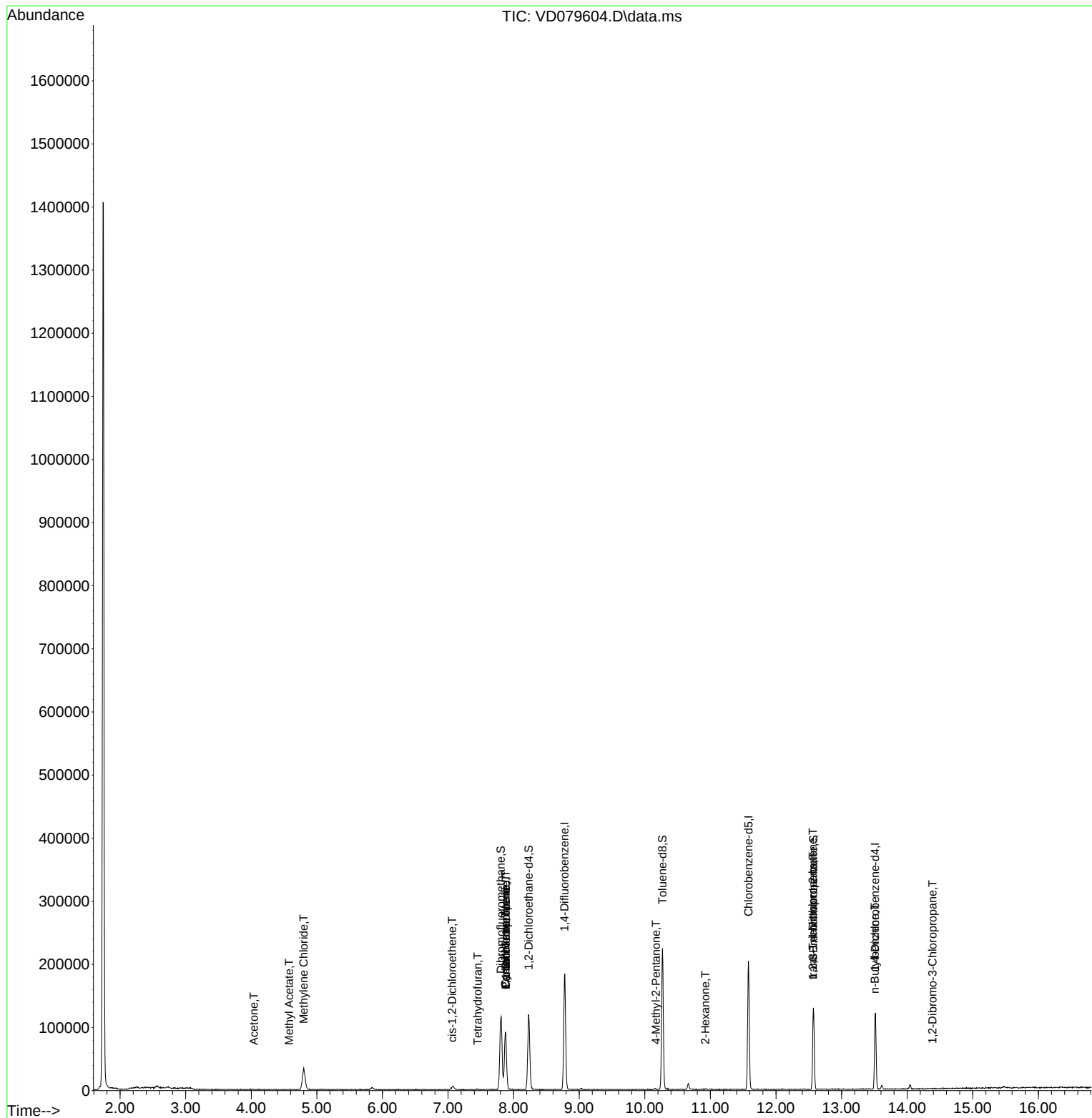
Internal Standards						
1) Pentafluorobenzene	7.881	168	72400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	165588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	123055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	35375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89654	121.893	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 243.780%#			
35) Dibromofluoromethane	7.805	113	85596	76.372	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 152.740%#			
50) Toluene-d8	10.269	98	164347	37.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 75.520%			
62) 4-Bromofluorobenzene	12.569	95	38299	30.408	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 60.820%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	126	Below Cal	#	1
11) Tert butyl alcohol	5.064	59	340	Below Cal	#	86
16) Acetone	4.040	43	481	3.365	ug/l #	37
18) Methyl Acetate	4.575	43	787	1.773	ug/l #	40
20) Methylene Chloride	4.799	84	25550	13.404	ug/l #	85
27) cis-1,2-Dichloroethene	7.063	96	1056	1.051	ug/l #	3
29) Tetrahydrofuran	7.452	42	588	4.682	ug/l #	34
31) Cyclohexane	7.875	56	1605	1.314	ug/l #	66
36) 1,1-Dichloropropene	7.881	75	5522	3.610	ug/l #	44
38) Carbon Tetrachloride	7.881	117	7465	4.642	ug/l #	18
51) 4-Methyl-2-Pentanone	10.169	43	1262	2.097	ug/l	93
59) 2-Hexanone	10.922	43	1175	2.799	ug/l #	46
76) 1,2,3-Trichloropropane	12.563	75	19091	61.741	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.563	75	19091	117.756	ug/l #	19
89) n-Butylbenzene	13.504	91	53	3.804	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.387	75	64	1.047	ug/l #	1

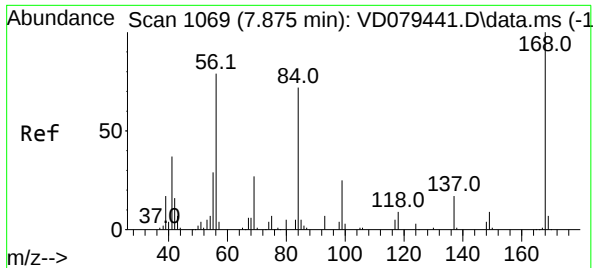
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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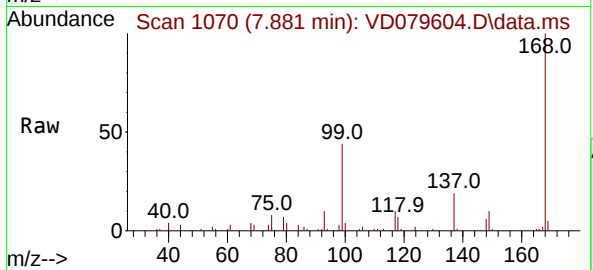
Quant Time: Aug 06 05:13:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
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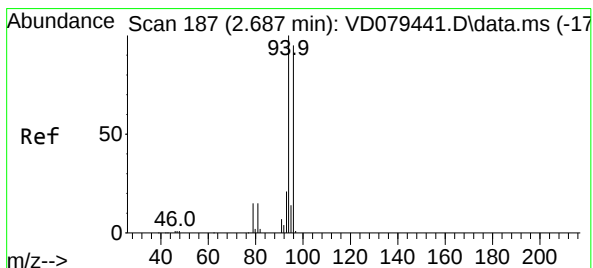
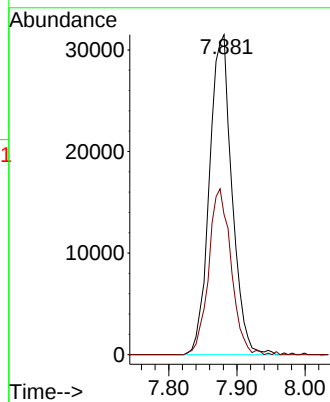
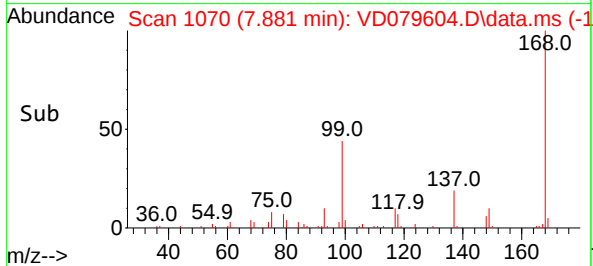


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

Instrument :
MSVOA_D
ClientSampleId :

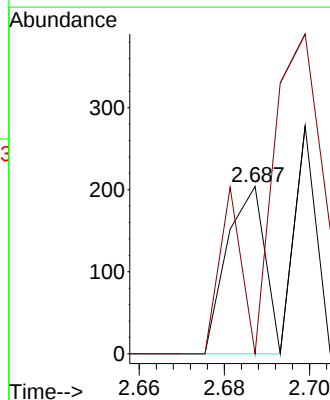
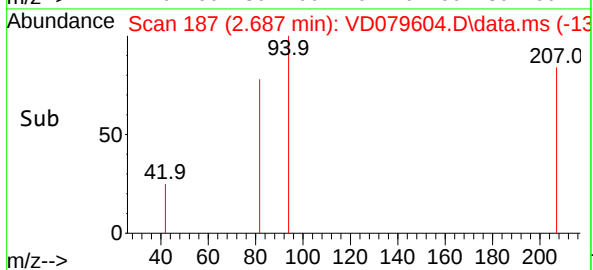
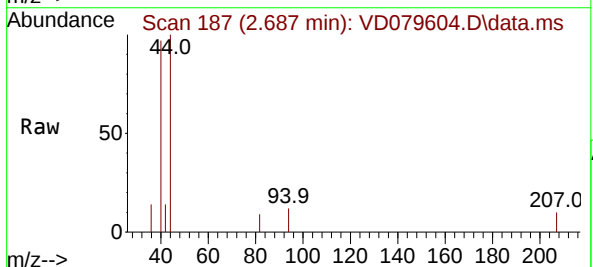


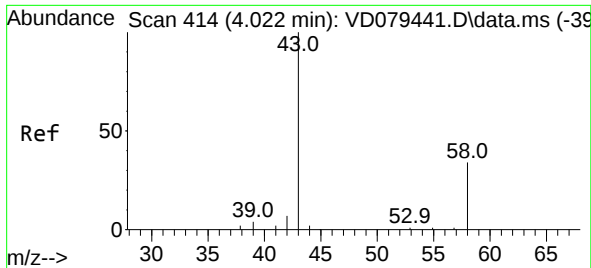
Tgt Ion:168 Resp: 72400
Ion Ratio Lower Upper
168 100
99 43.8 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

Tgt Ion: 94 Resp: 126
Ion Ratio Lower Upper
94 100
96 300.8 76.9 115.3#

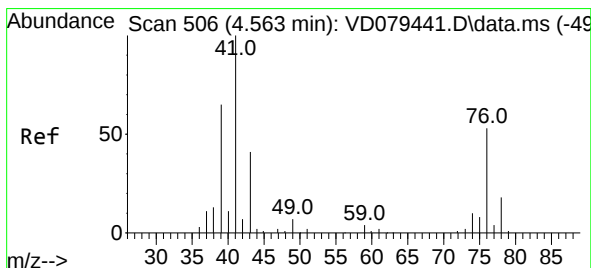
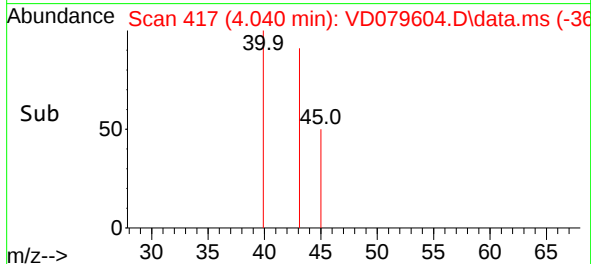
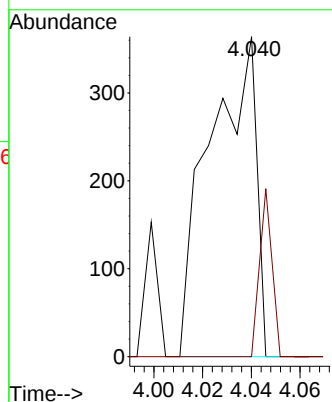
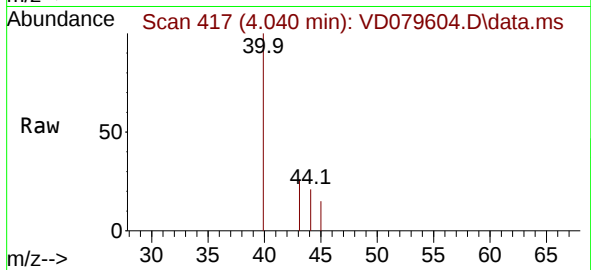




#16
Acetone
Concen: 3.365 ug/l
RT: 4.040 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

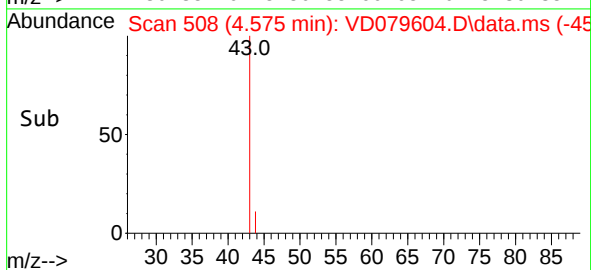
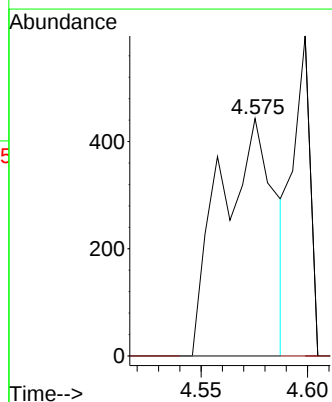
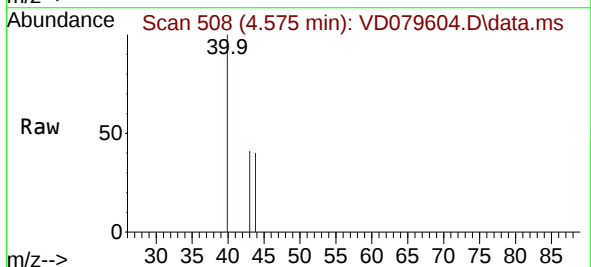
Instrument :
MSVOA_D
ClientSampleId :

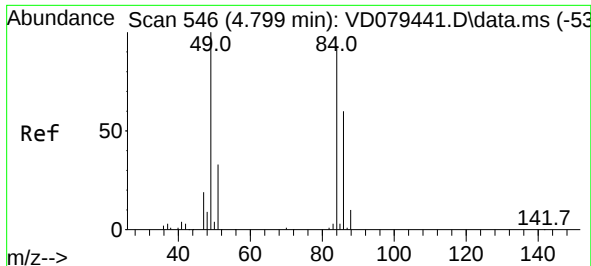
Tgt Ion: 43 Resp: 481
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#18
Methyl Acetate
Concen: 1.773 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.006 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

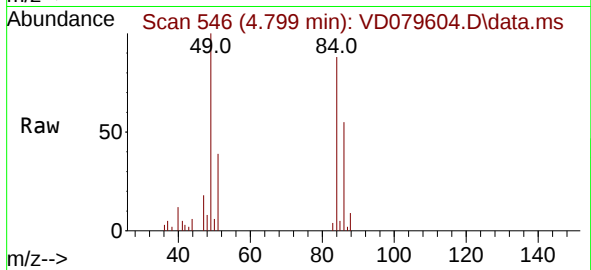
Tgt Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
74 0.0 28.1 42.1#



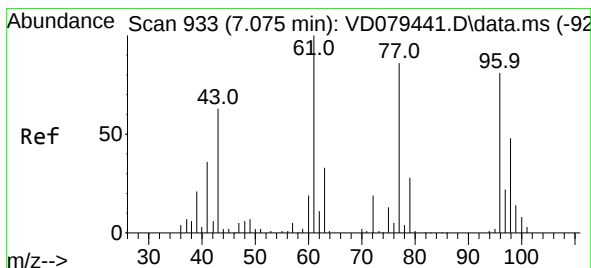
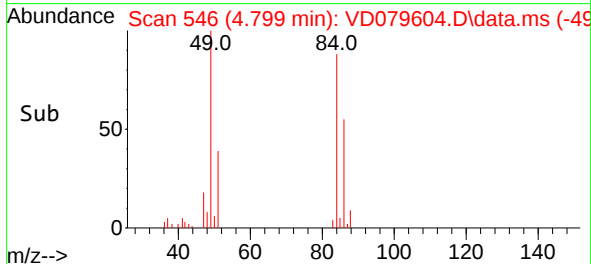
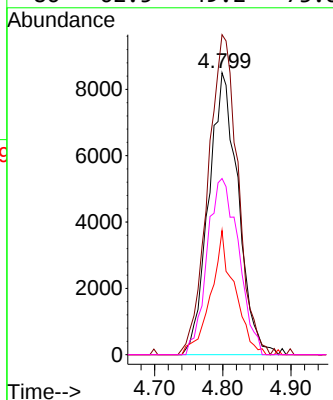


#20
Methylene Chloride
Concen: 13.404 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

Instrument :
MSVOA_D
ClientSampleId :

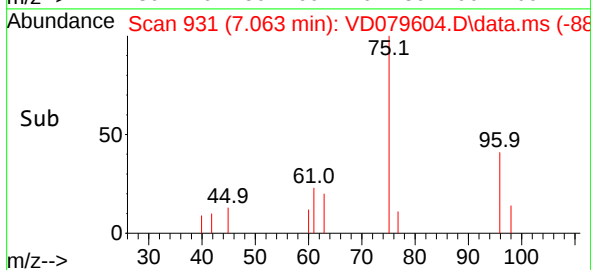
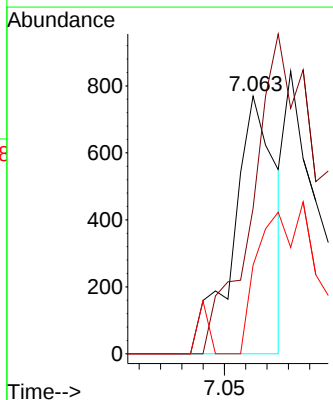
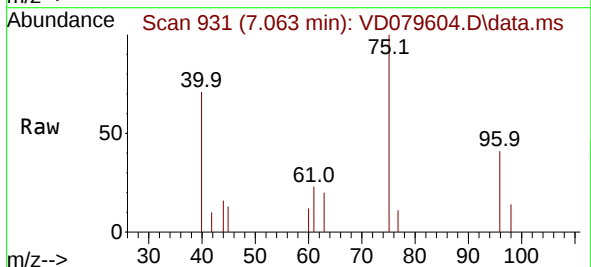


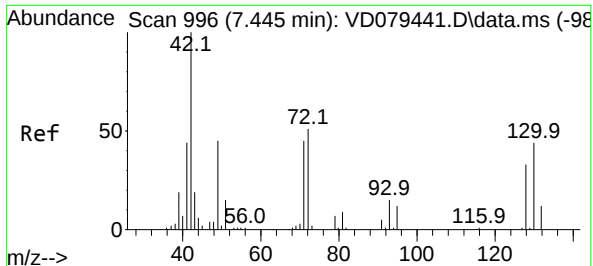
Tgt Ion:	84	Resp:	25550
Ion	Ratio	Lower	Upper
84	100		
49	113.5	75.6	113.4#
51	44.0	24.2	36.2#
86	62.5	49.2	73.8



#27
cis-1,2-Dichloroethene
Concen: 1.051 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.012 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

Tgt Ion:	96	Resp:	1056
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	229.0
98	0.0	0.0	127.2





#29

Tetrahydrofuran

Concen: 4.682 ug/l

RT: 7.452 min Scan# 996

Delta R.T. 0.006 min

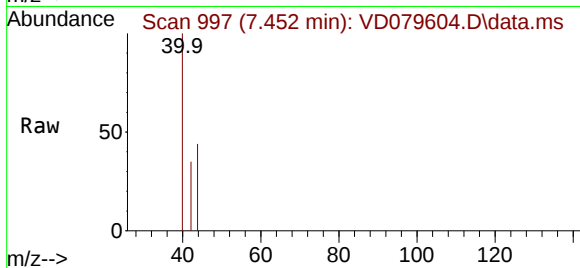
Lab File: VD079604.D

Acq: 06 Aug 2024 03:45

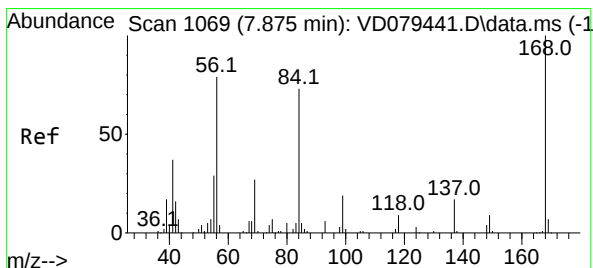
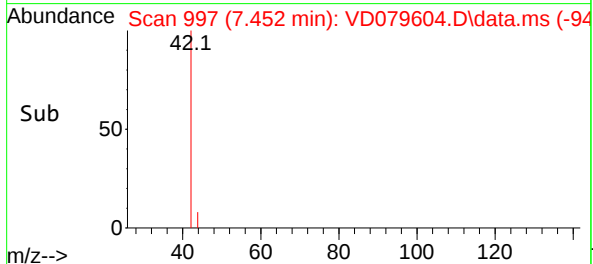
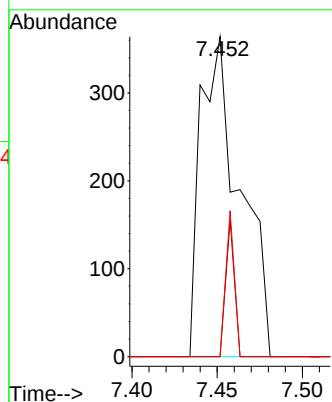
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	588
Ion	Ratio	Lower	Upper
42	100		
72	9.4	49.4	74.0#
71	10.0	45.0	67.6#



#31

Cyclohexane

Concen: 1.314 ug/l

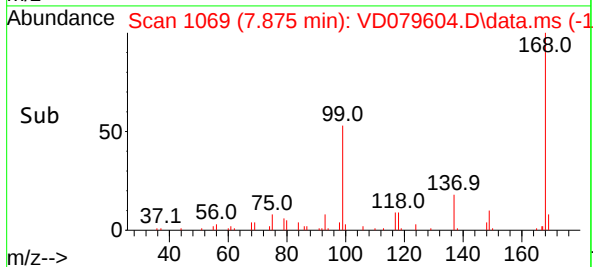
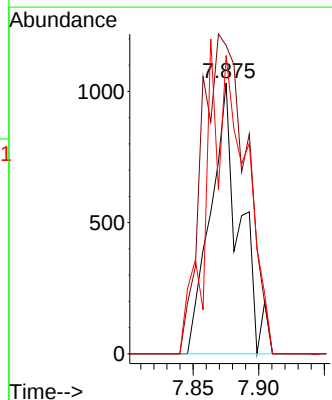
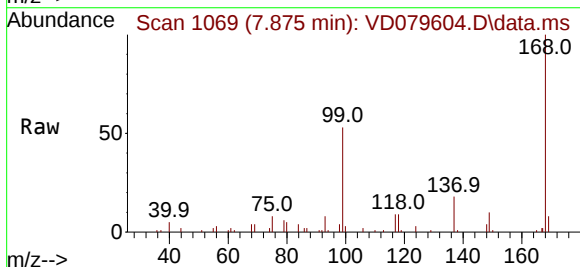
RT: 7.875 min Scan# 1069

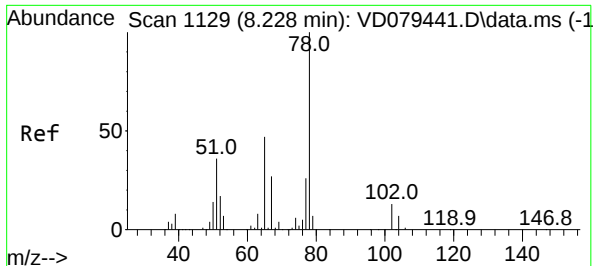
Delta R.T. -0.006 min

Lab File: VD079604.D

Acq: 06 Aug 2024 03:45

Tgt Ion:	56	Resp:	1605
Ion	Ratio	Lower	Upper
56	100		
69	113.9	28.0	42.0#
84	110.2	87.4	131.0





#33

1,2-Dichloroethane-d4

Concen: 121.893 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079604.D

Acq: 06 Aug 2024 03:45

Instrument :

MSVOA_D

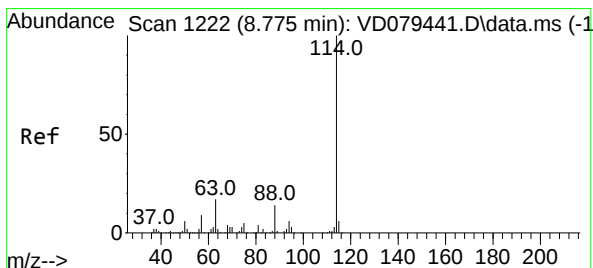
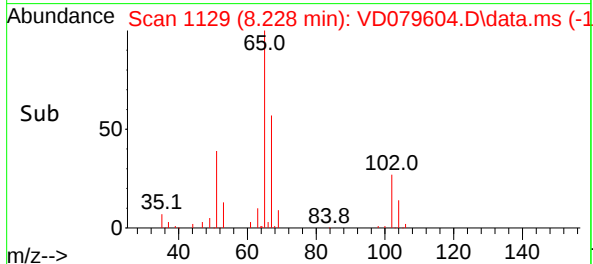
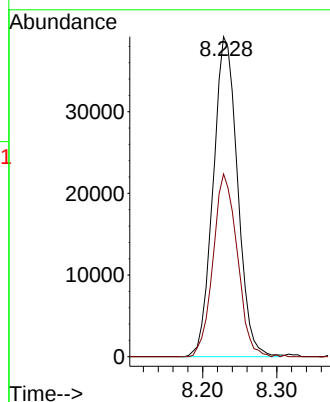
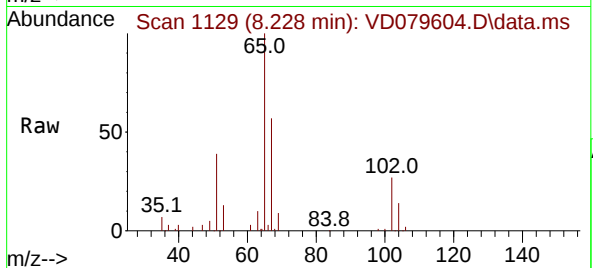
ClientSampleId :

Tgt Ion: 65 Resp: 89654

Ion Ratio Lower Upper

65 100

67 56.5 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD079604.D

Acq: 06 Aug 2024 03:45

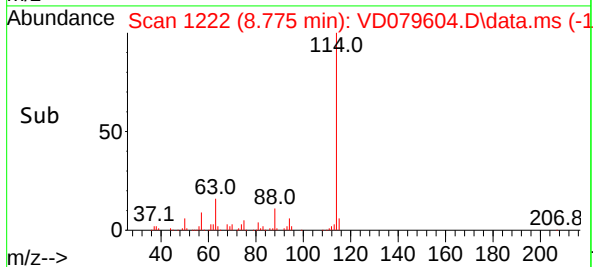
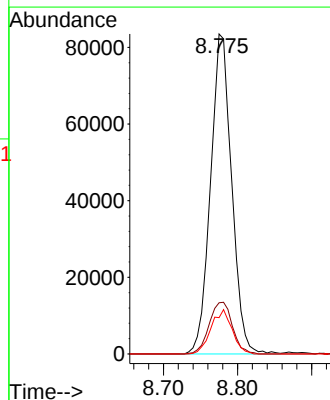
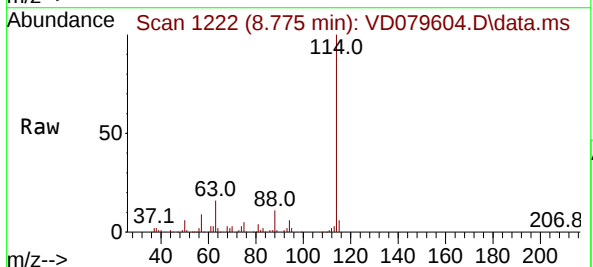
Tgt Ion: 114 Resp: 165588

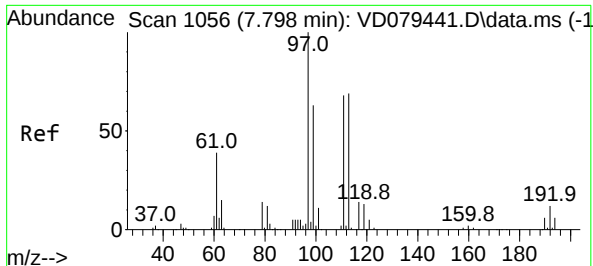
Ion Ratio Lower Upper

114 100

63 16.0 0.0 34.0

88 11.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 76.372 ug/l

RT: 7.805 min Scan# 1070

Delta R.T. 0.000 min

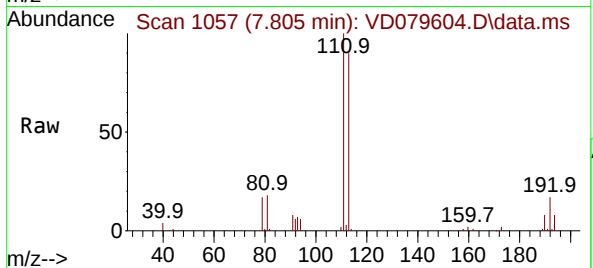
Lab File: VD079604.D

Acq: 06 Aug 2024 03:45

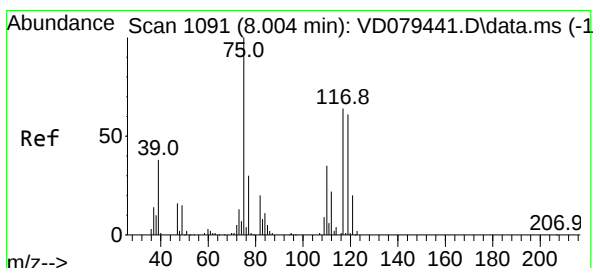
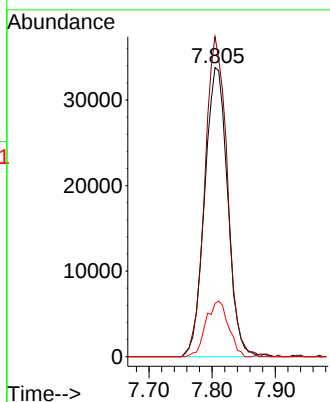
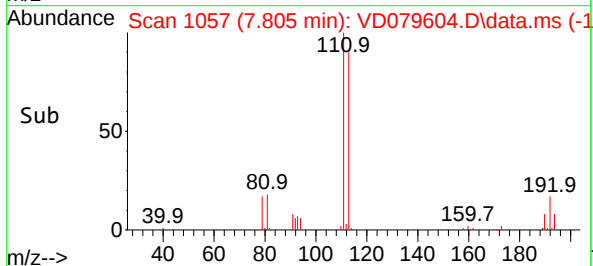
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	85596
Ion	Ratio	Lower	Upper
113	100		
111	106.9	84.0	126.0
192	18.8	15.4	23.0



#36

1,1-Dichloropropene

Concen: 3.610 ug/l

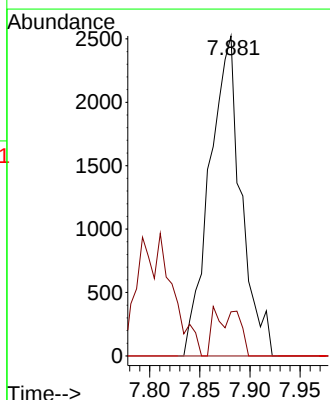
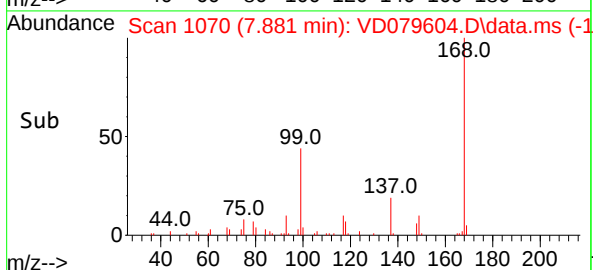
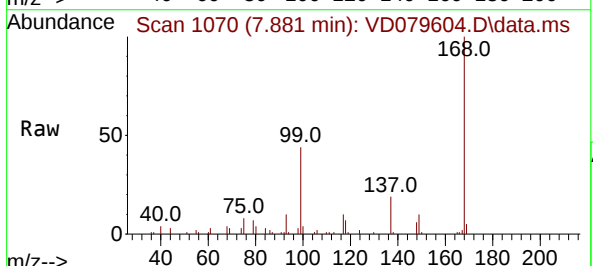
RT: 7.881 min Scan# 1070

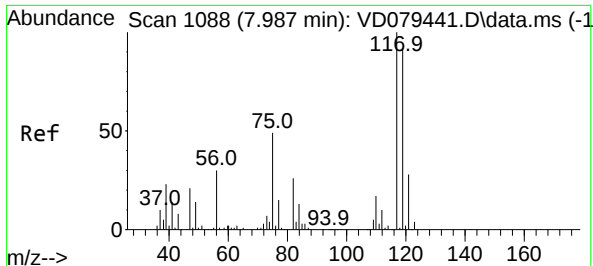
Delta R.T. -0.129 min

Lab File: VD079604.D

Acq: 06 Aug 2024 03:45

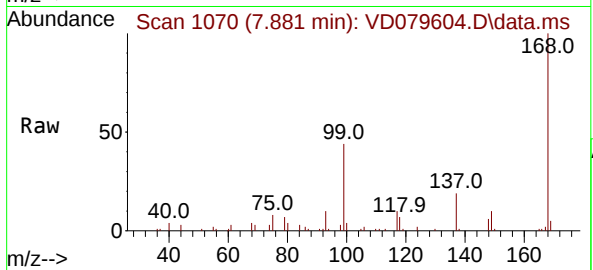
Tgt Ion:	75	Resp:	5522
Ion	Ratio	Lower	Upper
75	100		
110	5.9	19.6	58.7#
77	0.0	26.1	39.1#



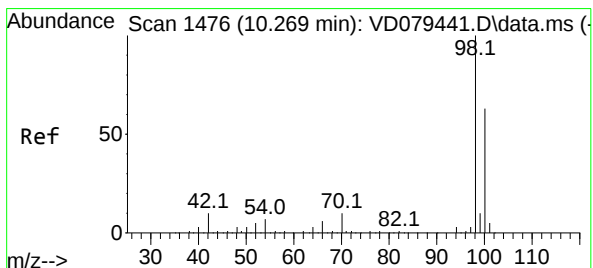
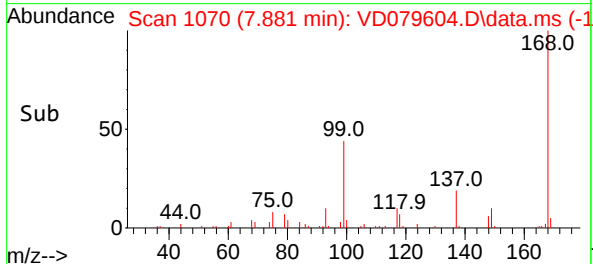
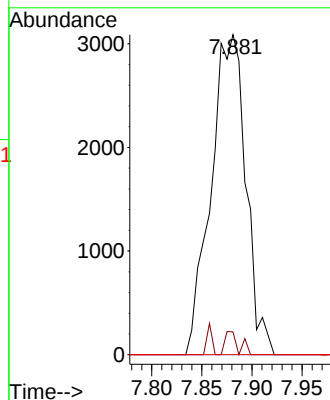


#38
Carbon Tetrachloride
Concen: 4.642 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

Instrument :
MSVOA_D
ClientSampleId :

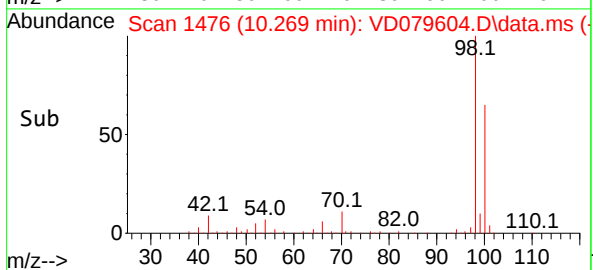
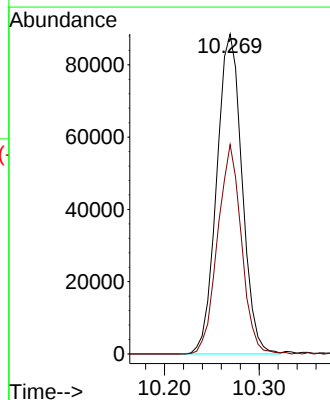
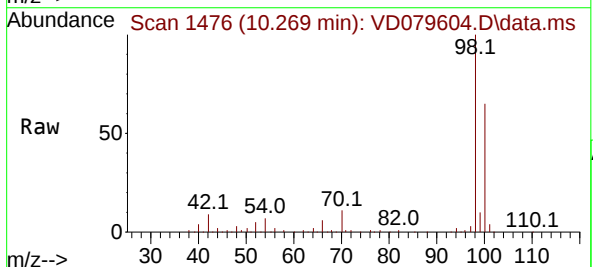


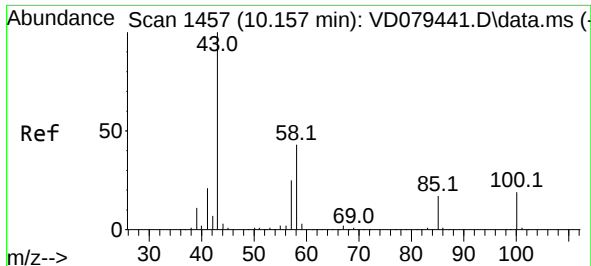
Tgt Ion:117 Resp: 7465
Ion Ratio Lower Upper
117 100
119 7.1 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 37.760 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

Tgt Ion: 98 Resp: 164347
Ion Ratio Lower Upper
98 100
100 61.8 51.6 77.4

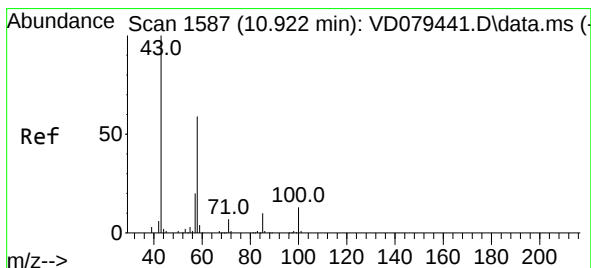
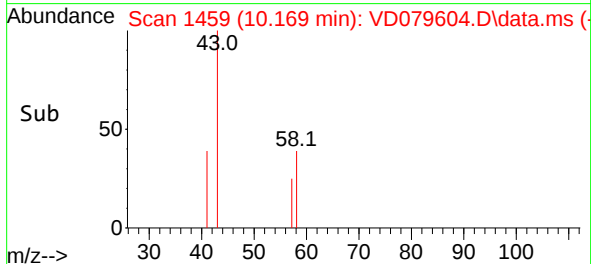
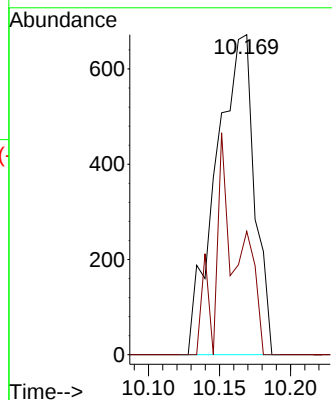
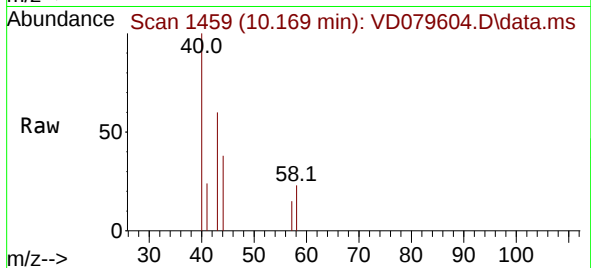




#51
4-Methyl-2-Pentanone
Concen: 2.097 ug/l
RT: 10.169 min Scan# 1457
Delta R.T. 0.012 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

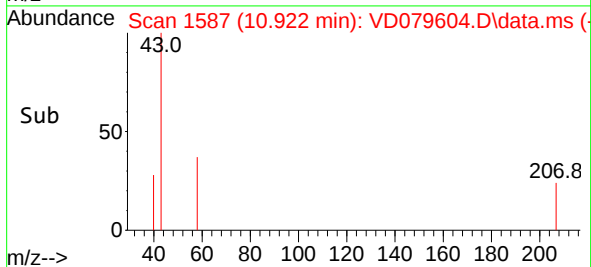
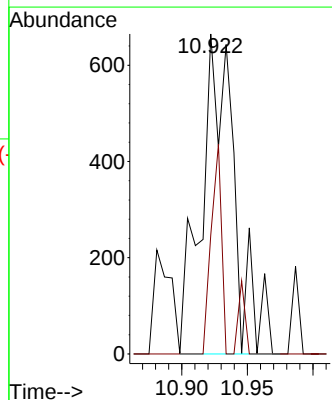
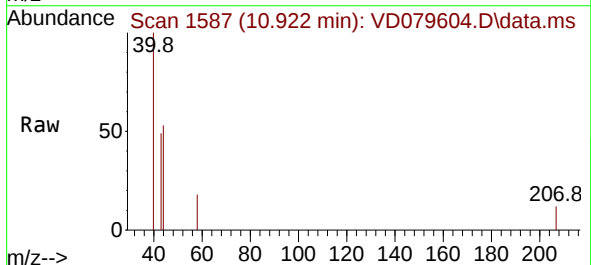
Instrument :
MSVOA_D
ClientSampleId :

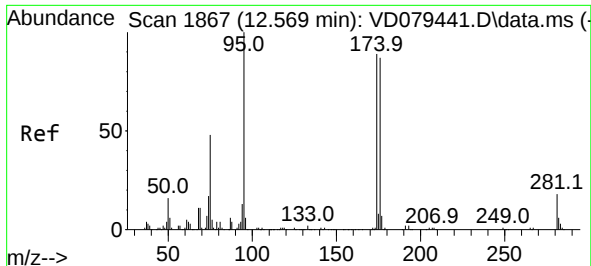
Tgt Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
58 41.4 36.6 55.0



#59
2-Hexanone
Concen: 2.799 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
58 20.5 31.1 93.5#

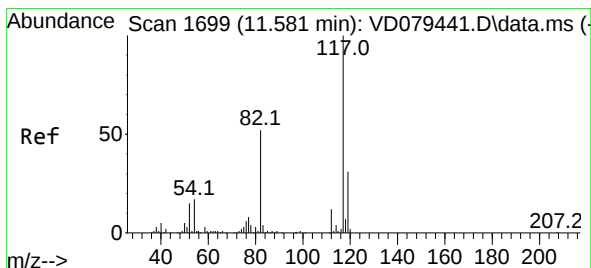
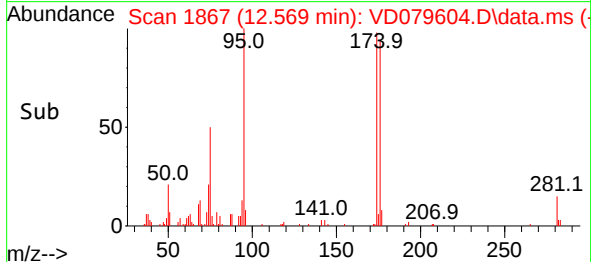
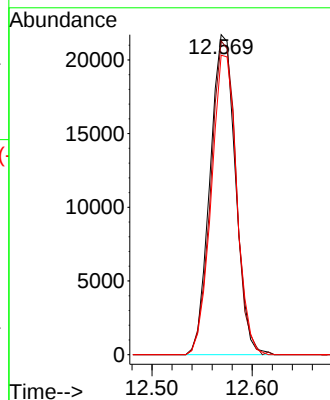
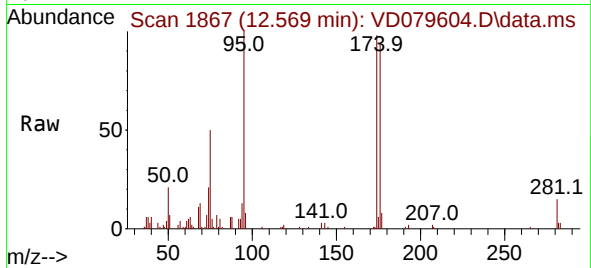




#62
4-Bromofluorobenzene
Concen: 30.408 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

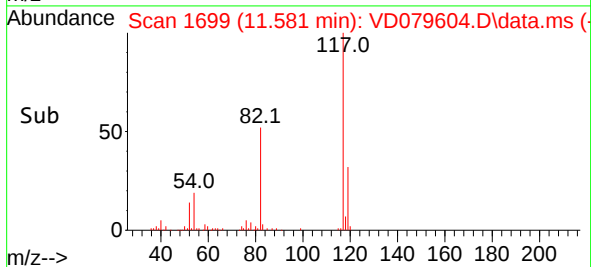
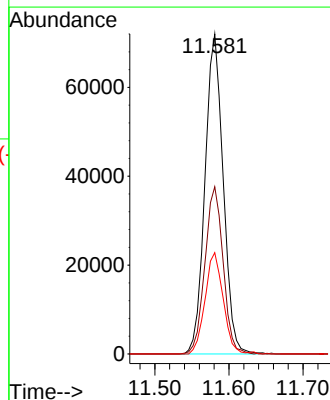
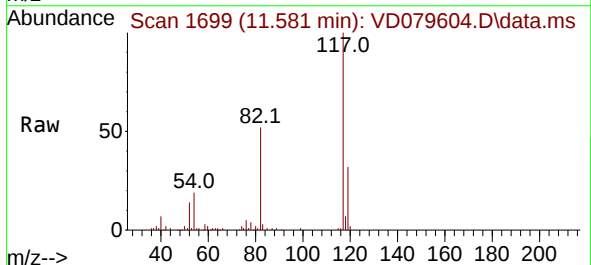
Instrument :
MSVOA_D
ClientSampleId :

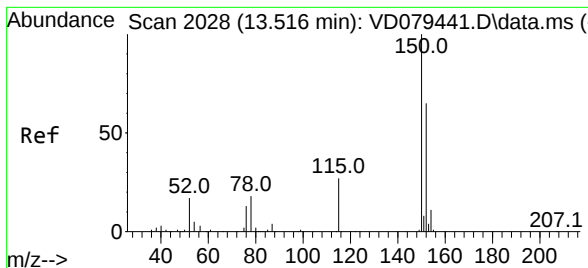
Tgt Ion: 95 Resp: 38299
Ion Ratio Lower Upper
95 100
174 97.0 0.0 195.4
176 93.1 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

Tgt Ion: 117 Resp: 123055
Ion Ratio Lower Upper
117 100
82 52.2 39.8 59.6
119 31.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.510 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD079604.D

Acq: 06 Aug 2024 03:45

Instrument :

MSVOA_D

ClientSampleId :

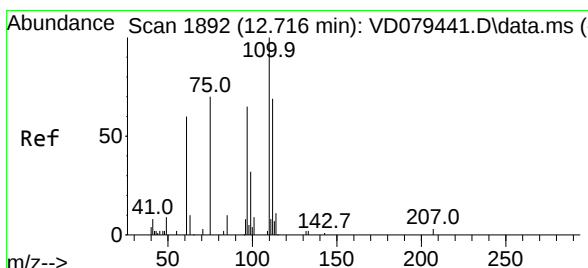
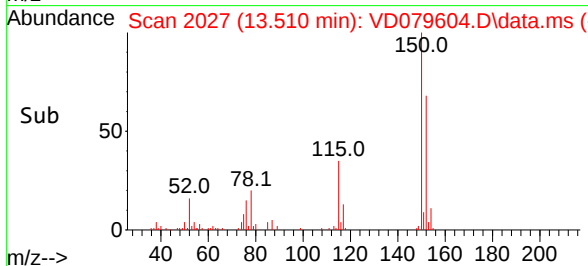
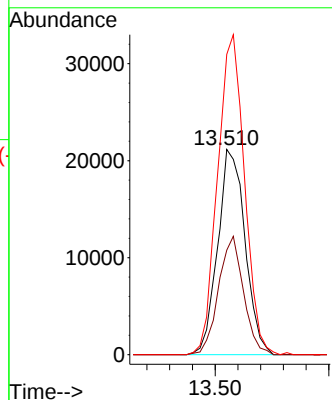
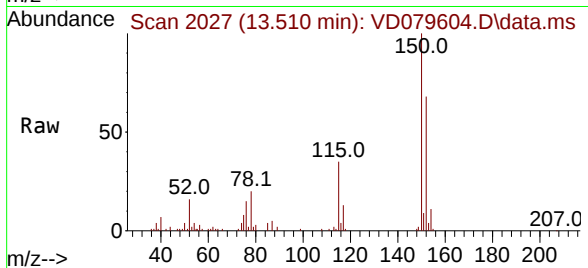
Tgt Ion:152 Resp: 35375

Ion Ratio Lower Upper

152 100

115 52.6 26.5 79.5

150 153.6 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 61.741 ug/l

RT: 12.563 min Scan# 1866

Delta R.T. -0.159 min

Lab File: VD079604.D

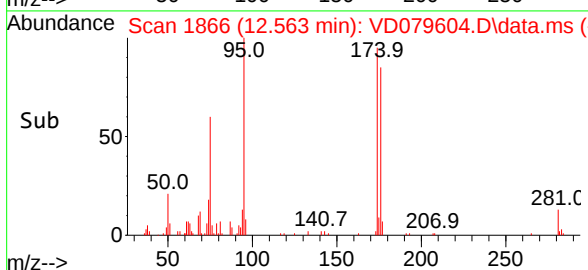
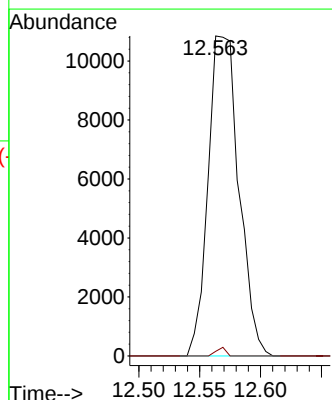
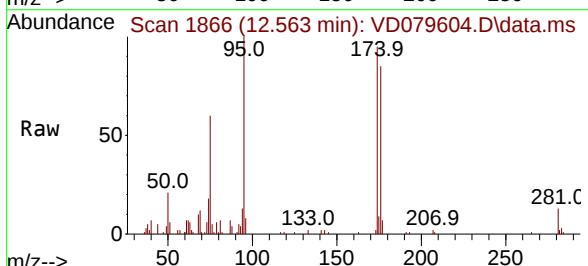
Acq: 06 Aug 2024 03:45

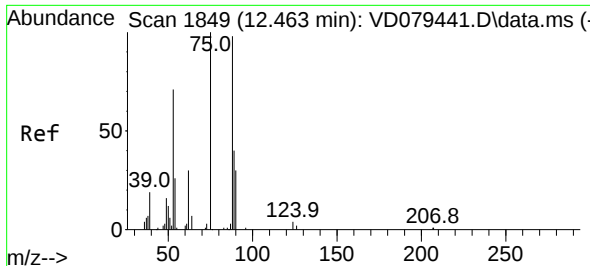
Tgt Ion: 75 Resp: 19091

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#

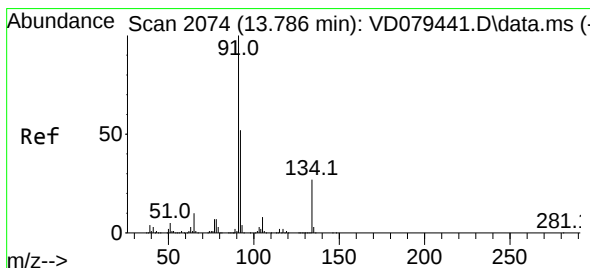
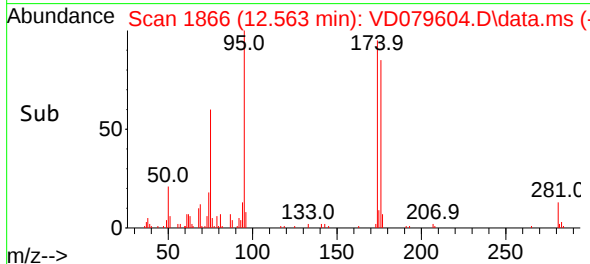
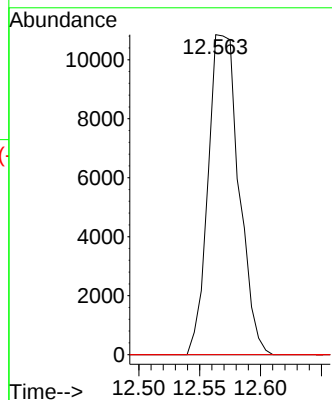
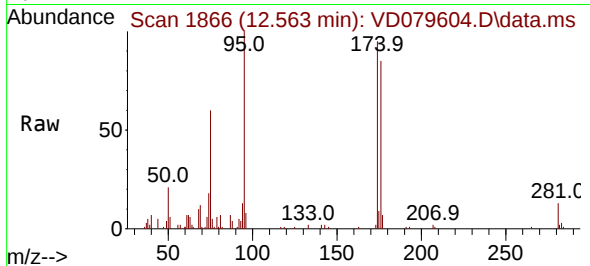




#81
trans-1,4-Dichloro-2-butene
Concen: 117.756 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.094 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

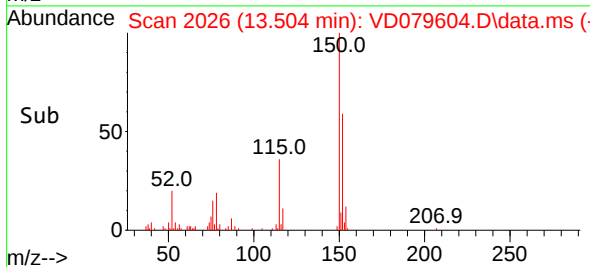
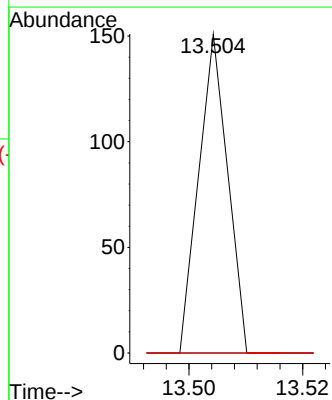
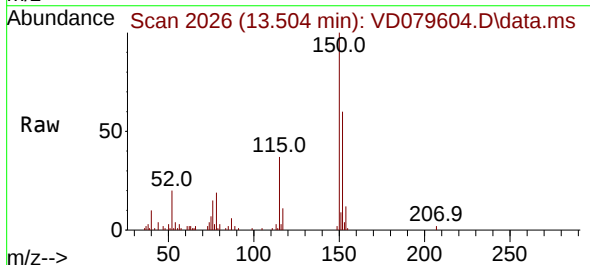
Instrument :
MSVOA_D
ClientSampleId :

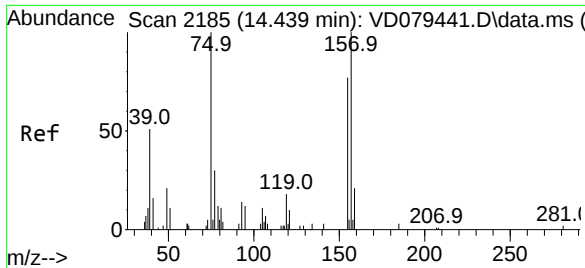
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.0	35.4	53.0#



#89
n-Butylbenzene
Concen: 3.804 ug/l
RT: 13.504 min Scan# 2026
Delta R.T. -0.277 min
Lab File: VD079604.D
Acq: 06 Aug 2024 03:45

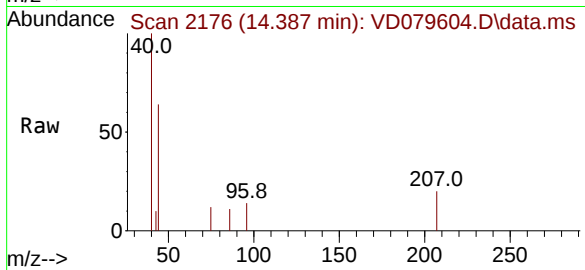
Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.047 ug/l
 RT: 14.387 min Scan# 21
 Delta R.T. -0.059 min
 Lab File: VD079604.D
 Acq: 06 Aug 2024 03:45

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 64
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.7 143.1#
 157 0.0 63.4 190.2#

