

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090624\
 Data File : VD079798.D
 Acq On : 06 Sep 2024 15:07
 Operator : RP/MD
 Sample : P3839-07
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 902-ARE

Quant Time: Sep 06 23:59:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 15:57:30 2024
 Response via : Initial Calibration

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

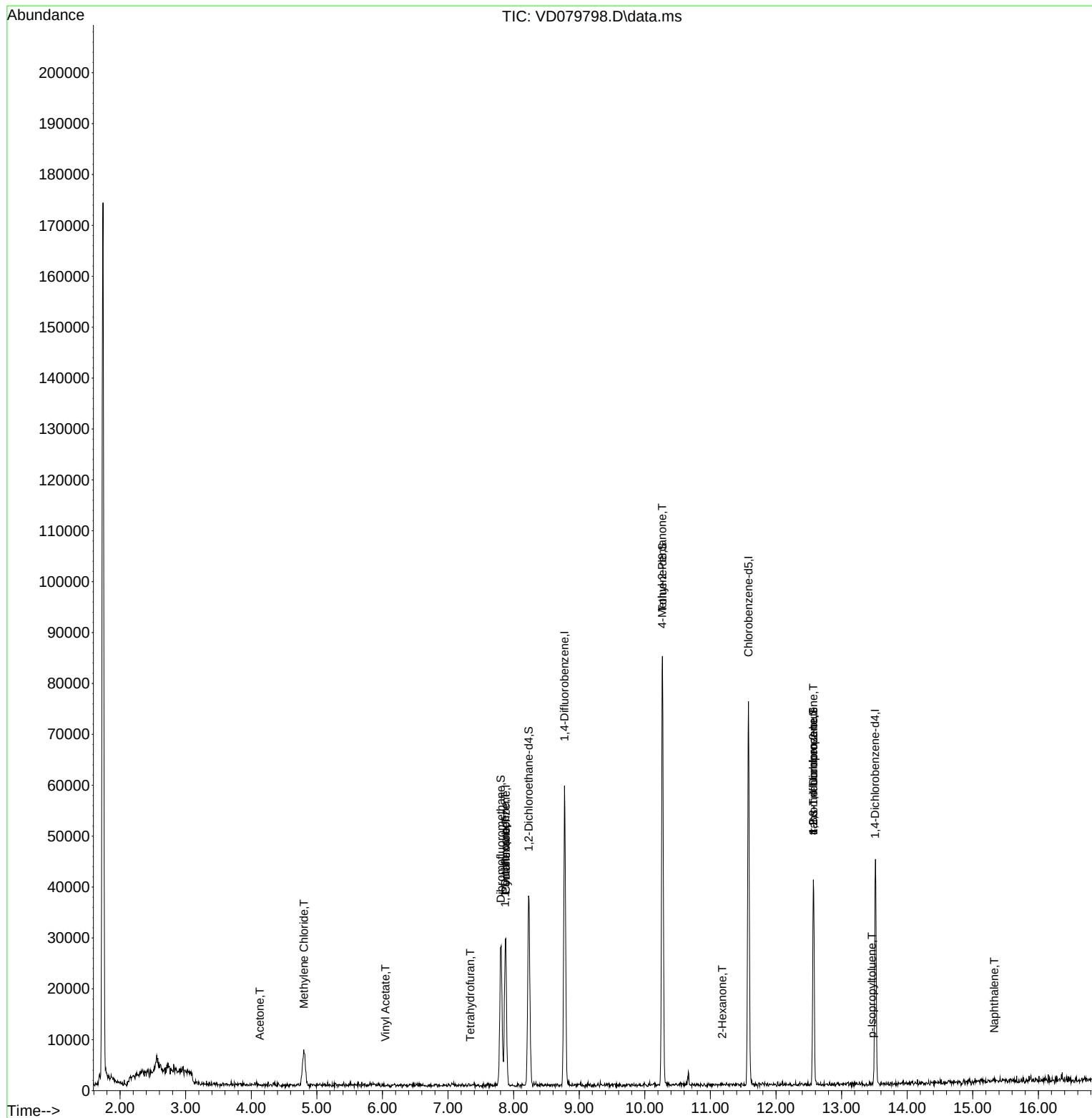
Internal Standards						
1) Pentafluorobenzene	7.881	168	19920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	49183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	40905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	11565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	29764	109.585	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 219.180%#			
35) Dibromofluoromethane	7.805	113	19745	61.764	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.520%			
50) Toluene-d8	10.269	98	59742	43.573	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.140%			
62) 4-Bromofluorobenzene	12.569	95	12966	33.798	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 67.600%			
Target Compounds						Qvalue
16) Acetone	4.128	43	78	1.384	ug/l #	37
20) Methylene Chloride	4.805	84	5511	14.405	ug/l #	85
23) Vinyl Acetate	6.046	43	55	2.636	ug/l #	63
29) Tetrahydrofuran	7.340	42	57	1.226	ug/l #	21
31) Cyclohexane	7.881	56	629	1.385	ug/l #	44
36) 1,1-Dichloropropene	7.869	75	2335	4.928	ug/l #	39
51) 4-Methyl-2-Pentanone	10.263	43	330	1.617	ug/l #	1
59) 2-Hexanone	11.181	43	56	20.559	ug/l #	19
76) 1,2,3-Trichloropropane	12.569	75	6458	65.334	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	6458	108.971	ug/l #	19
86) p-Isopropyltoluene	13.463	119	65	3.816	ug/l #	51
95) Naphthalene	15.328	128	603	1.606	ug/l #	70

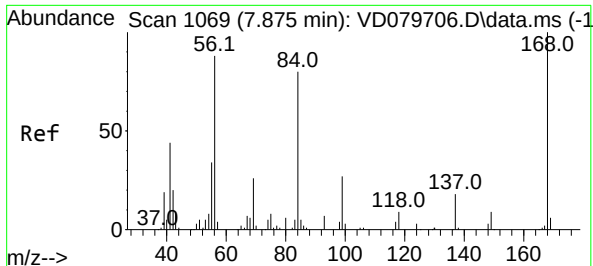
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 30 15:57:30 2024
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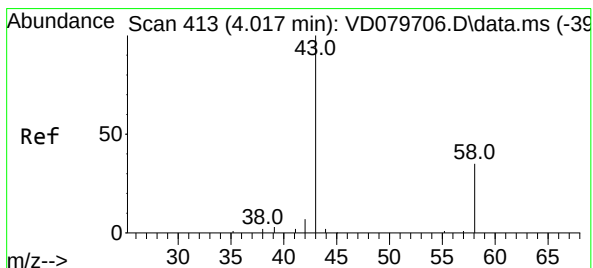
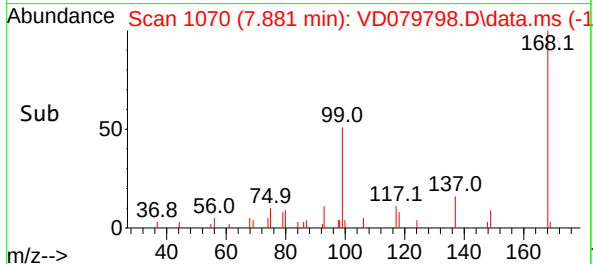
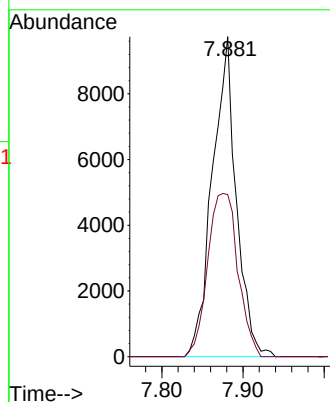
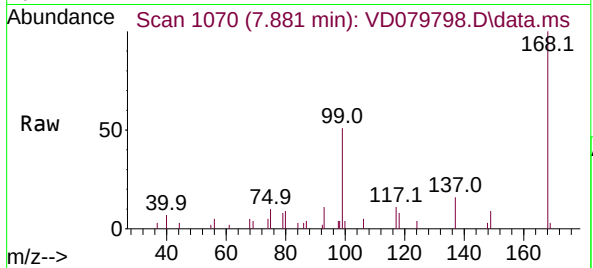




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

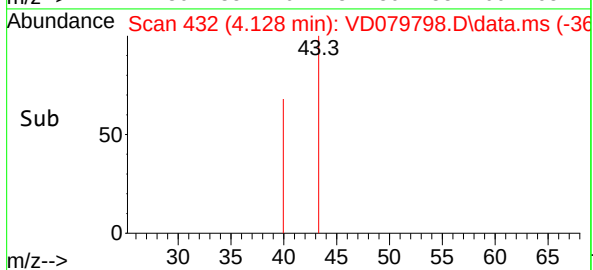
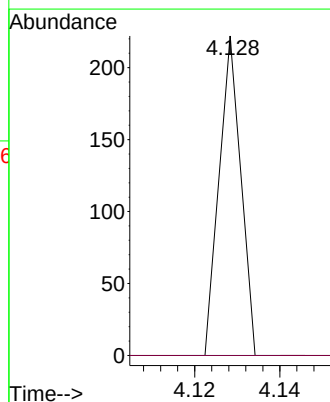
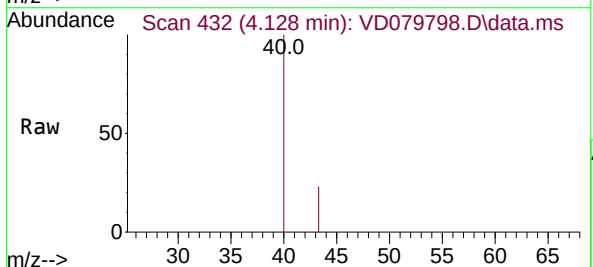
Instrument :
MSVOA_D
ClientSampleId :
902-ARE

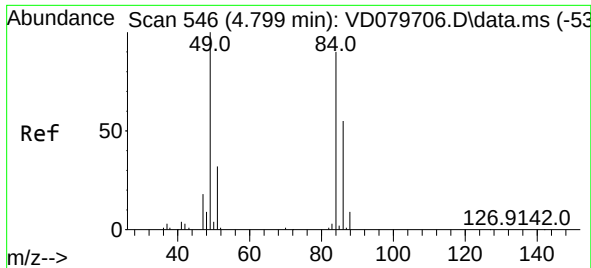
Tgt Ion:168 Resp: 19920
Ion Ratio Lower Upper
168 100
99 50.6 41.1 61.7



#16
Acetone
Concen: 1.384 ug/l
RT: 4.128 min Scan# 432
Delta R.T. 0.111 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

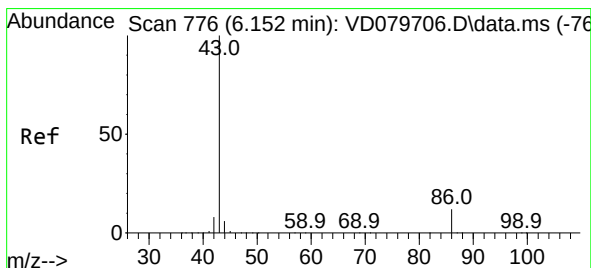
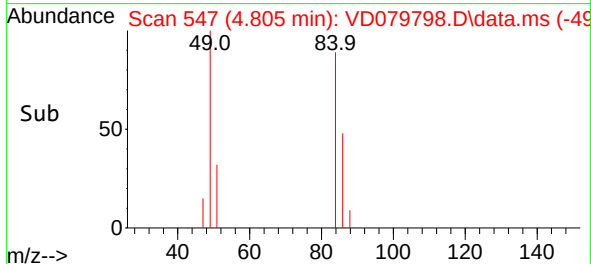
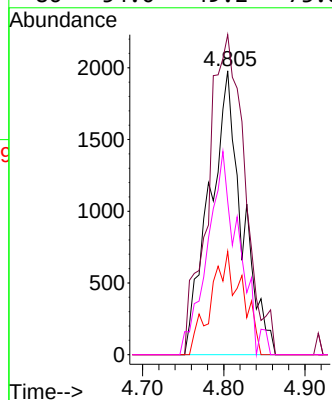
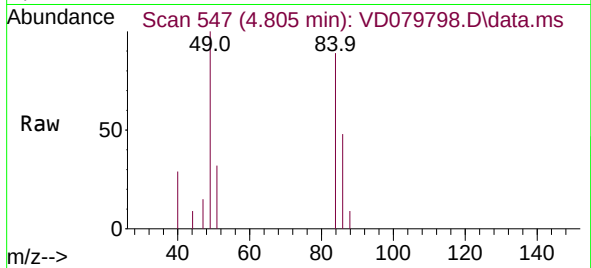




#20
Methylene Chloride
Concen: 14.405 ug/l
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

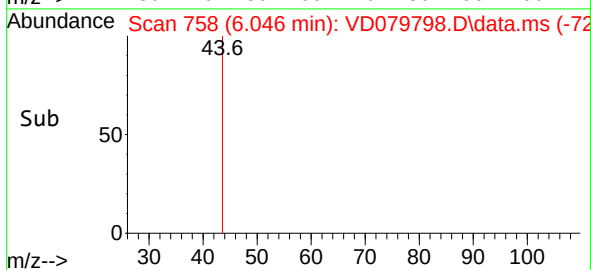
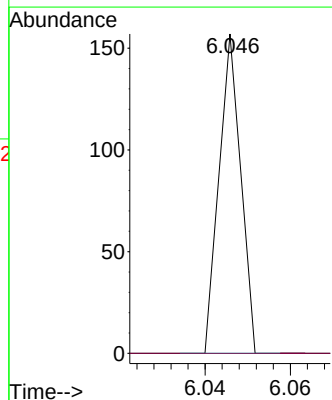
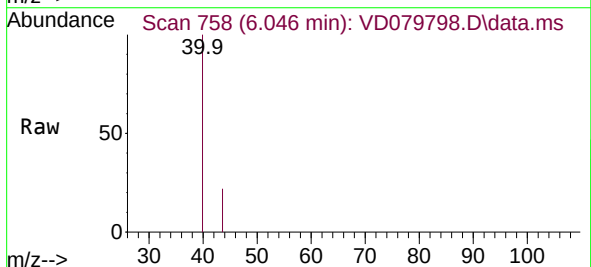
Instrument :
MSVOA_D
ClientSampleId :
902-ARE

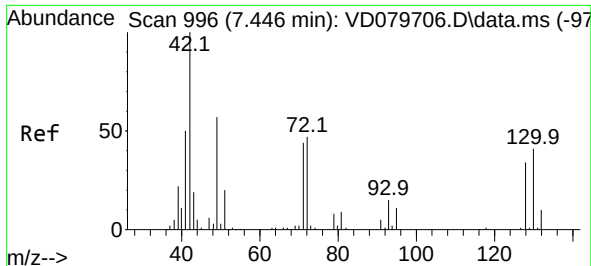
Tgt Ion:	84	Resp:	5511
Ion	Ratio	Lower	Upper
84	100		
49	112.7	75.6	113.4
51	36.4	24.2	36.2#
86	54.0	49.2	73.8



#23
Vinyl Acetate
Concen: 2.636 ug/l
RT: 6.046 min Scan# 758
Delta R.T. -0.106 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
86	0.0	12.3	18.5#





#29

Tetrahydrofuran

Concen: 1.226 ug/l

RT: 7.340 min Scan# 91

Delta R.T. -0.106 min

Lab File: VD079798.D

Acq: 06 Sep 2024 15:07

Instrument :

MSVOA_D

ClientSampleId :

902-ARE

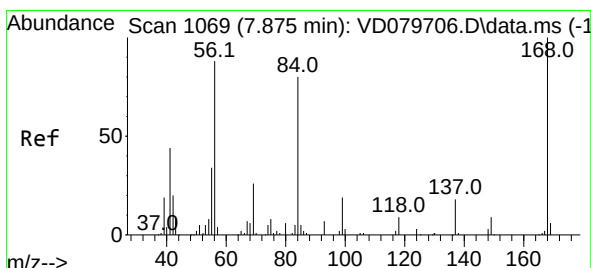
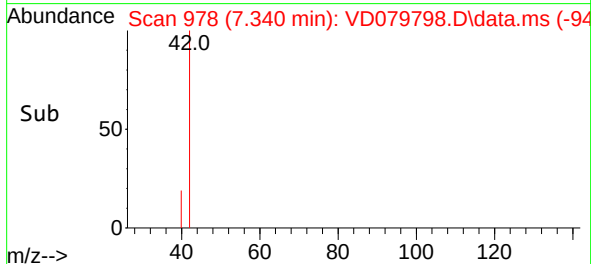
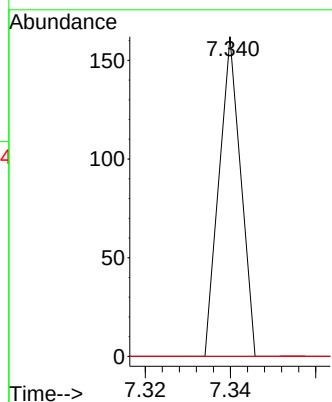
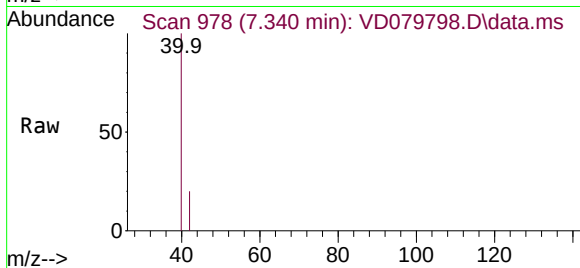
Tgt Ion: 42 Resp: 57

Ion Ratio Lower Upper

42 100

72 0.0 49.4 74.0#

71 0.0 45.0 67.6#



#31

Cyclohexane

Concen: 1.385 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD079798.D

Acq: 06 Sep 2024 15:07

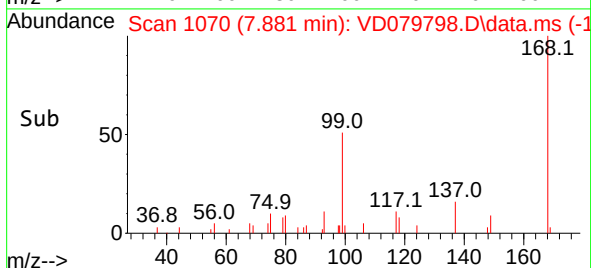
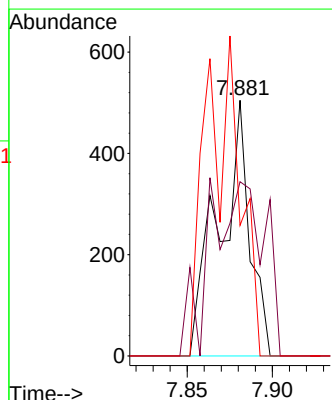
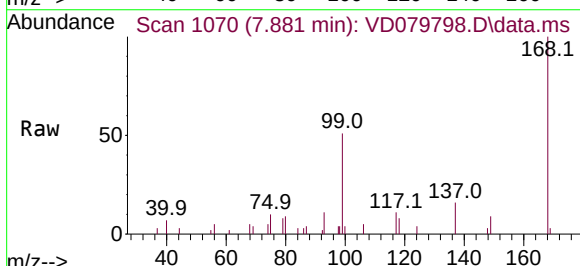
Tgt Ion: 56 Resp: 629

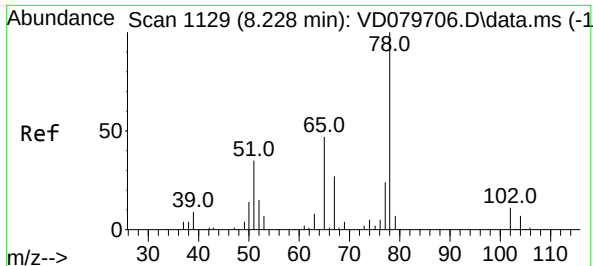
Ion Ratio Lower Upper

56 100

69 68.1 28.0 42.0#

84 51.1 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 109.585 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079798.D

Acq: 06 Sep 2024 15:07

Instrument :

MSVOA_D

ClientSampleId :

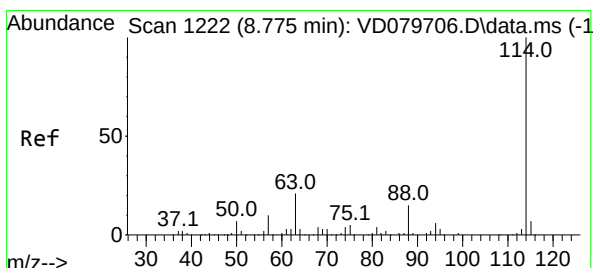
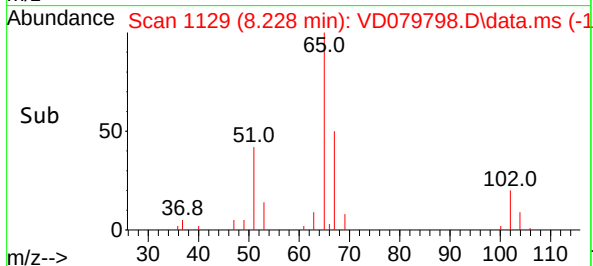
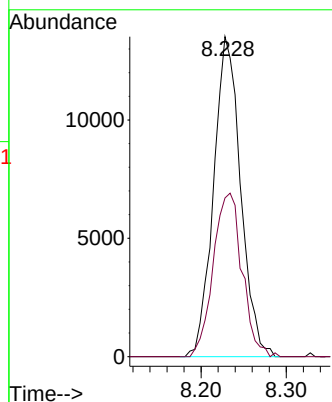
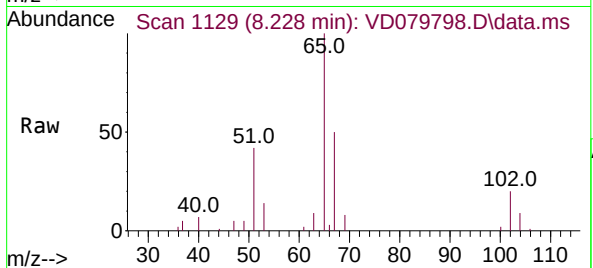
902-ARE

Tgt Ion: 65 Resp: 29764

Ion Ratio Lower Upper

65 100

67 54.6 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: VD079798.D

Acq: 06 Sep 2024 15:07

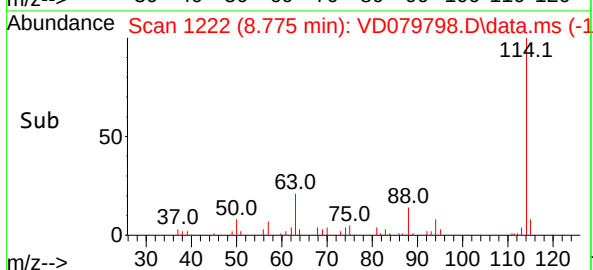
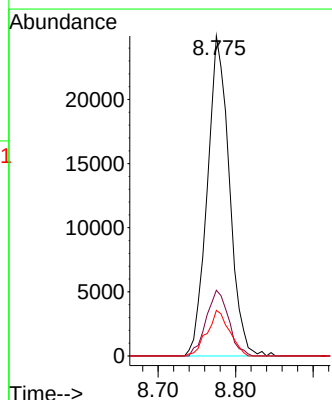
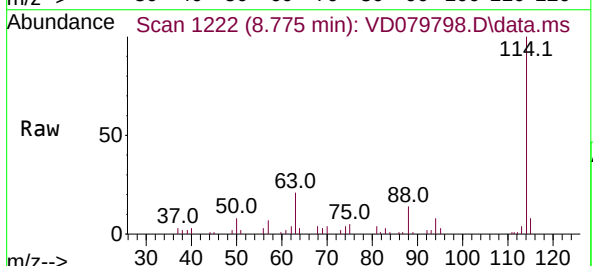
Tgt Ion: 114 Resp: 49183

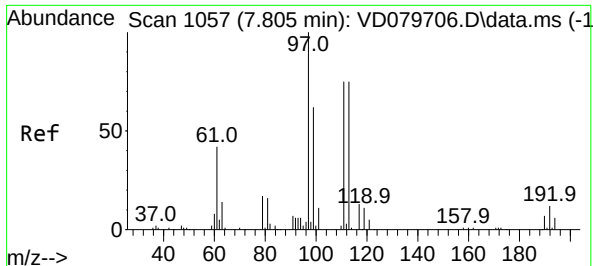
Ion Ratio Lower Upper

114 100

63 20.6 0.0 34.0

88 14.2 0.0 27.2





#35

Dibromofluoromethane

Concen: 61.764 ug/l

RT: 7.805 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VD079798.D

Acq: 06 Sep 2024 15:07

Instrument :

MSVOA_D

ClientSampleId :

902-ARE

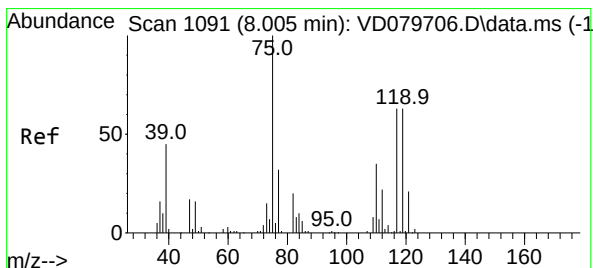
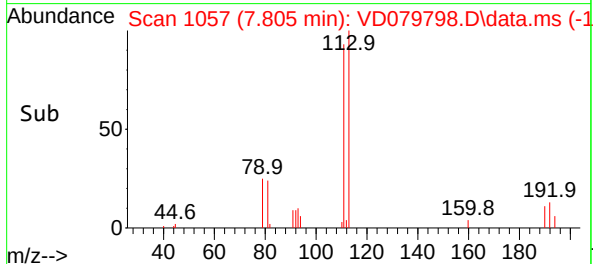
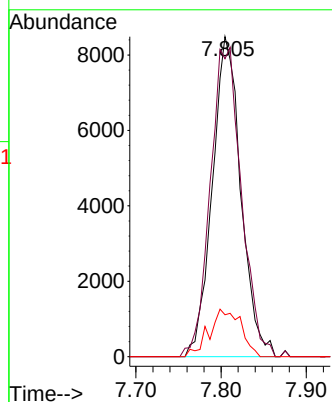
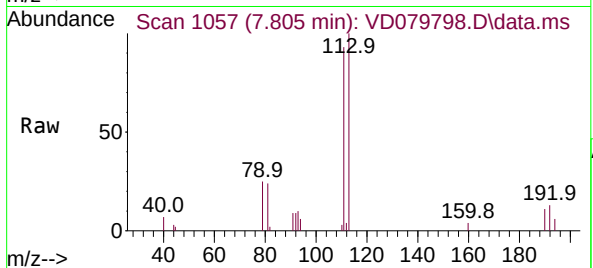
Tgt Ion:113 Resp: 19745

Ion Ratio Lower Upper

113 100

111 105.4 84.0 126.0

192 16.5 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.928 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD079798.D

Acq: 06 Sep 2024 15:07

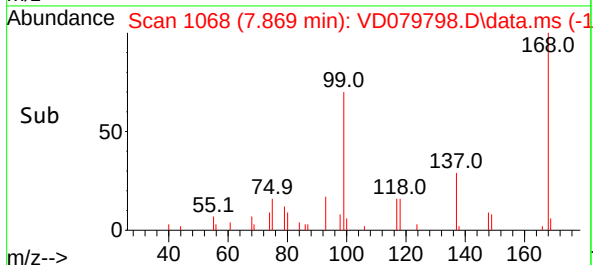
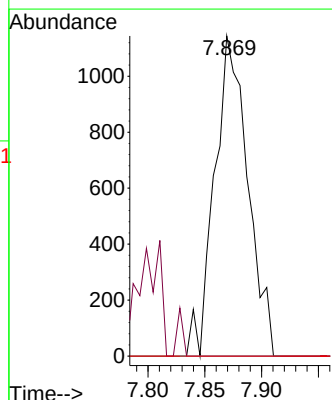
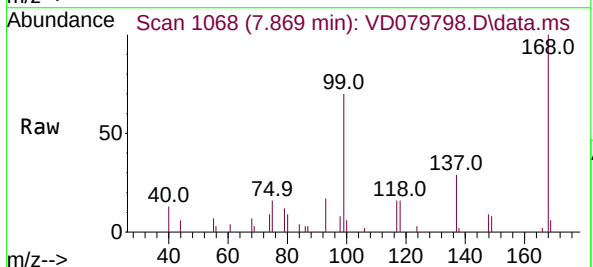
Tgt Ion: 75 Resp: 2335

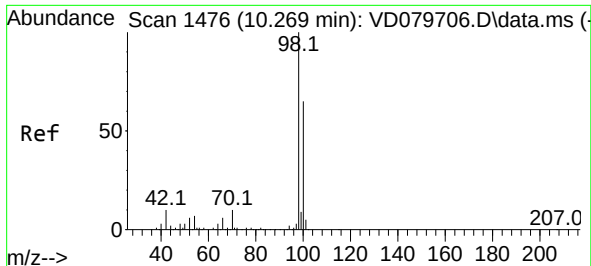
Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

77 0.0 26.1 39.1#

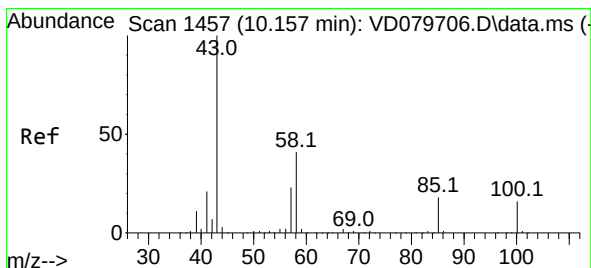
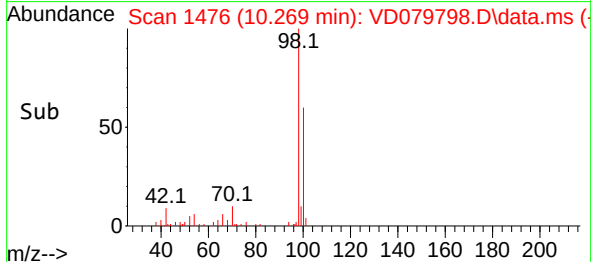
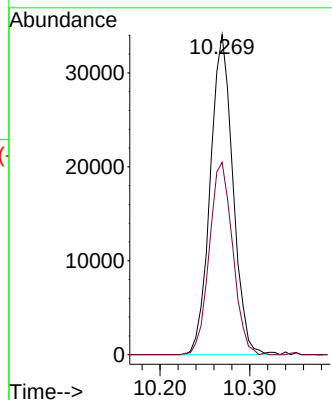
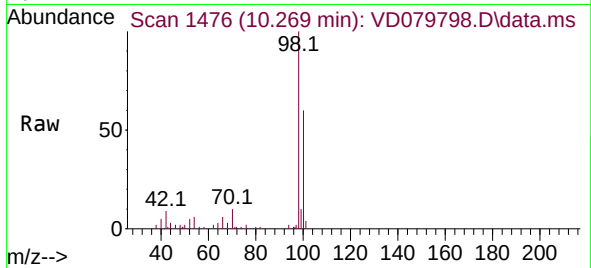




#50
Toluene-d8
Concen: 43.573 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

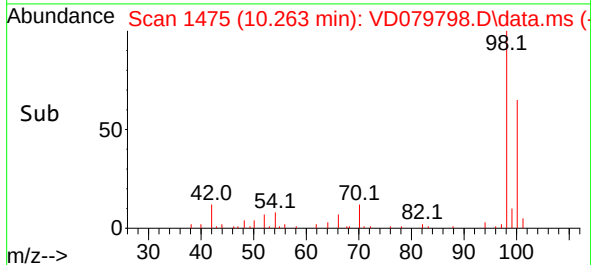
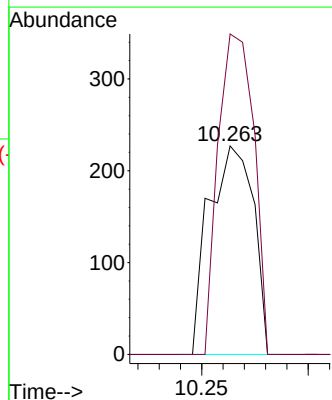
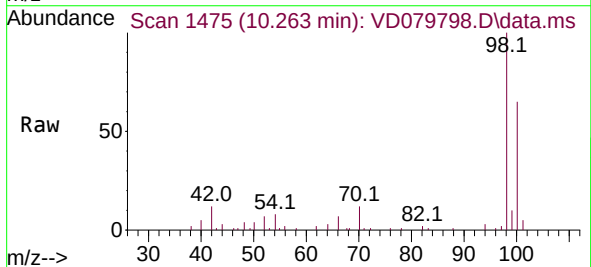
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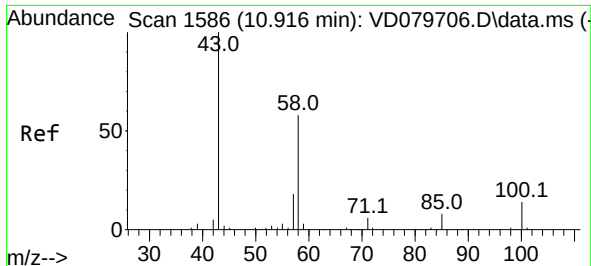
Tgt Ion: 98 Resp: 59742
Ion Ratio Lower Upper
98 100
100 61.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.617 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
58 123.6 36.6 55.0#

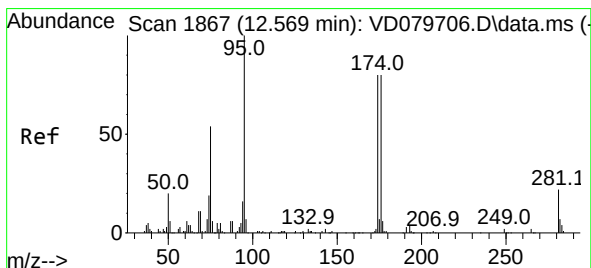
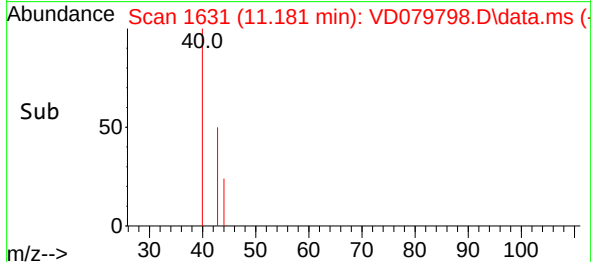
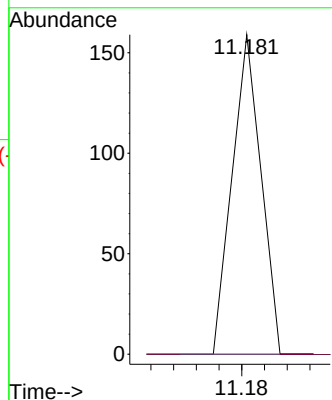
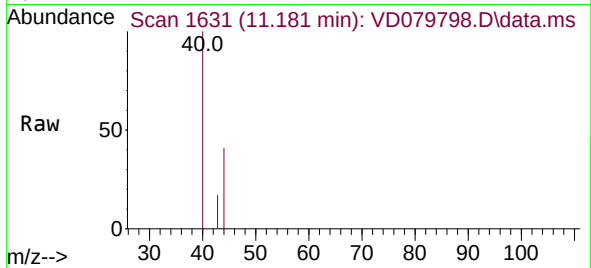




#59
2-Hexanone
Concen: 20.559 ug/l
RT: 11.181 min Scan# 1
Delta R.T. 0.265 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

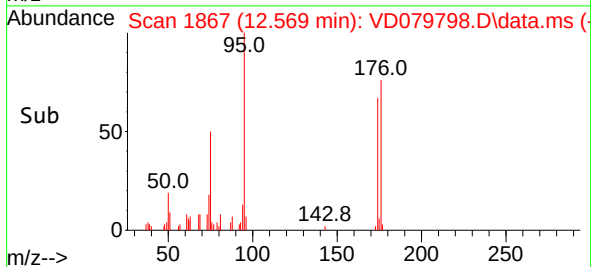
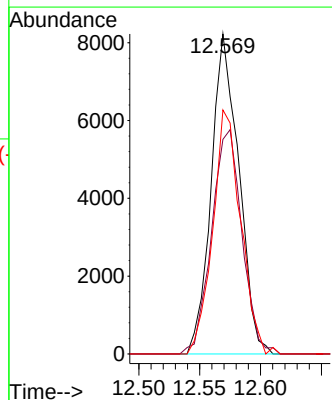
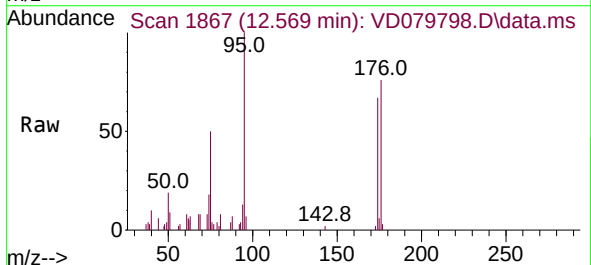
Instrument :
MSVOA_D
ClientSampleId :
902-ARE

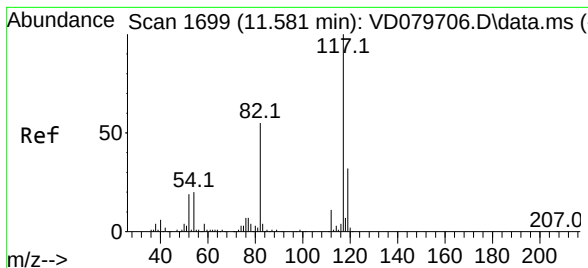
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#



#62
4-Bromofluorobenzene
Concen: 33.798 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

Tgt Ion: 95 Resp: 12966
Ion Ratio Lower Upper
95 100
174 77.1 0.0 195.4
176 77.2 0.0 192.6

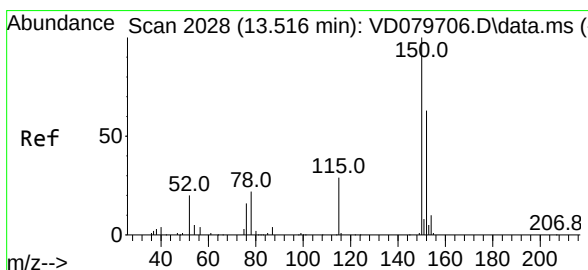
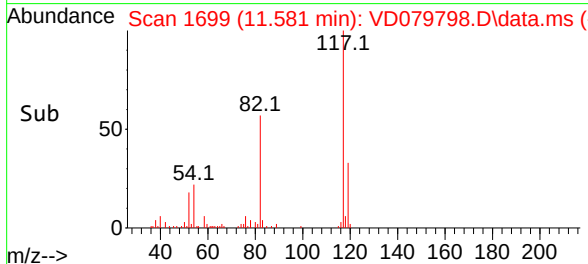
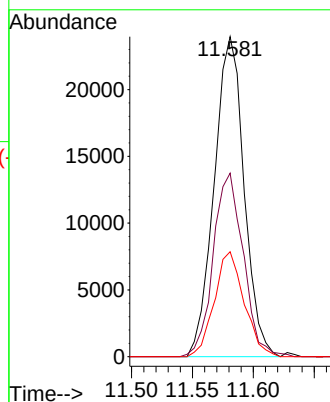
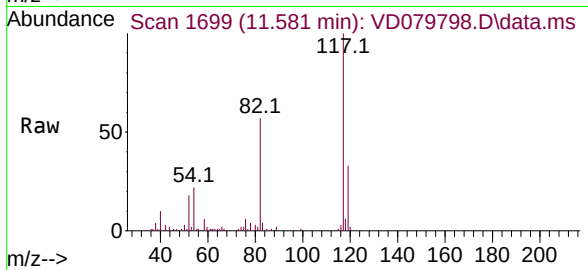




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

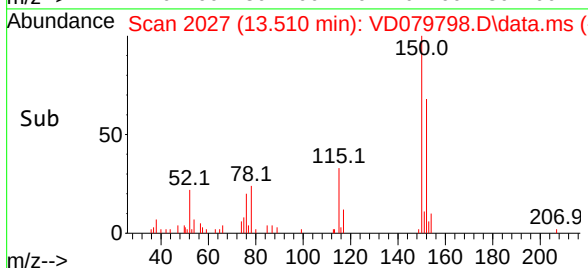
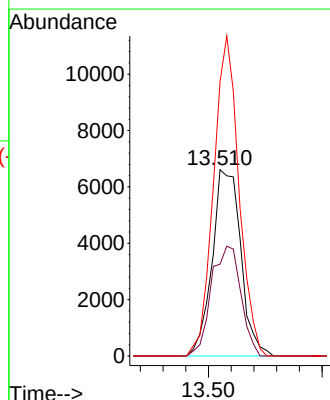
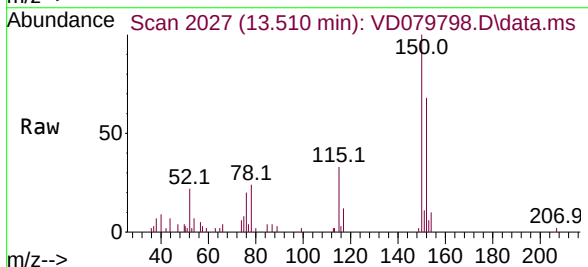
Instrument :
MSVOA_D
ClientSampleId :
902-ARE

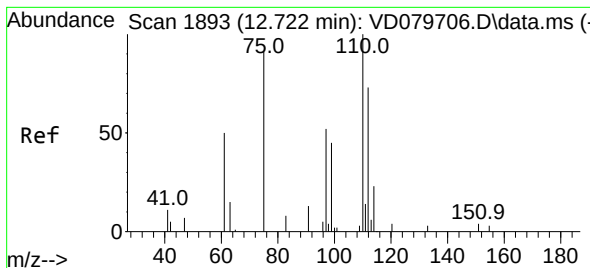
Tgt Ion:117	Resp:	40905
Ion	Ratio	Lower Upper
117	100	
82	57.4	39.8 59.6
119	32.8	25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. -0.006 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

Tgt Ion:152	Resp:	11565
Ion	Ratio	Lower Upper
152	100	
115	60.6	26.5 79.5
150	152.1	0.0 341.6





#76

1,2,3-Trichloropropane

Concen: 65.334 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079798.D

Acq: 06 Sep 2024 15:07

Instrument :

MSVOA_D

ClientSampleId :

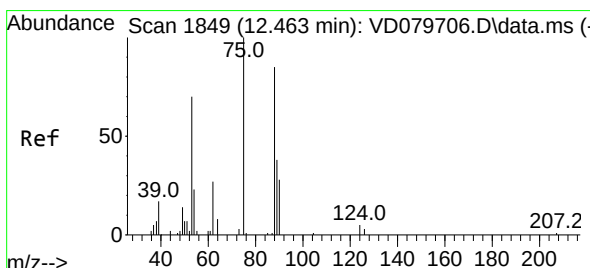
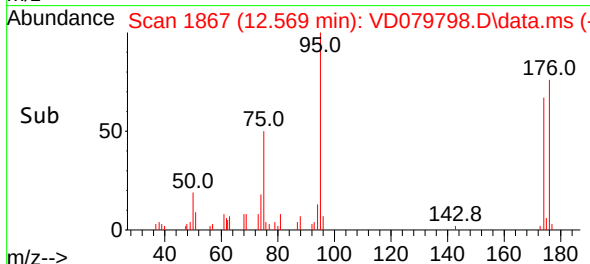
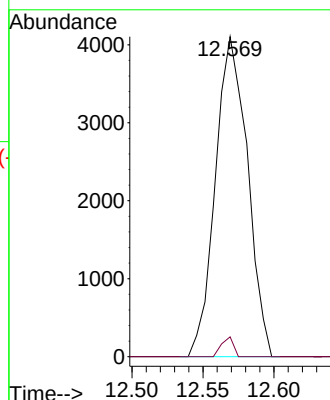
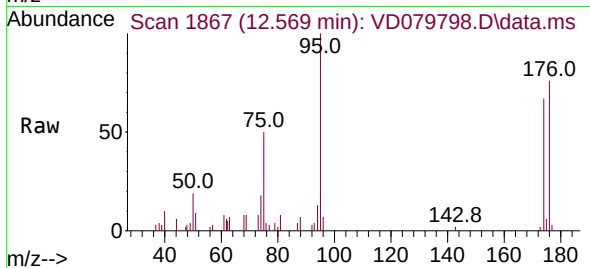
902-ARE

Tgt Ion: 75 Resp: 6458

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.971 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.106 min

Lab File: VD079798.D

Acq: 06 Sep 2024 15:07

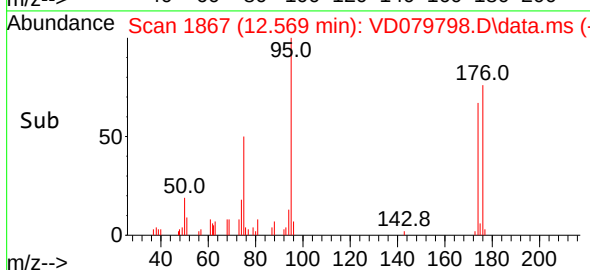
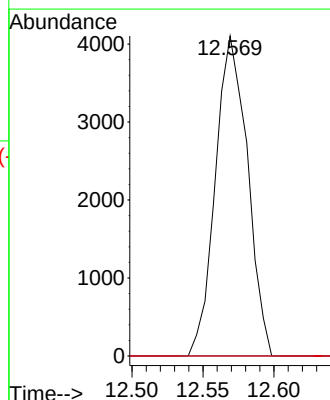
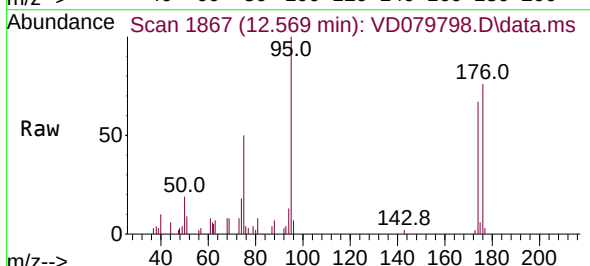
Tgt Ion: 75 Resp: 6458

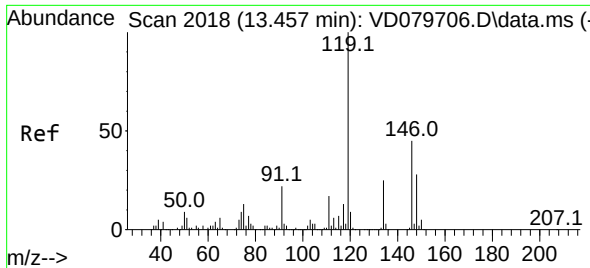
Ion Ratio Lower Upper

75 100

53 0.0 61.4 92.2#

89 0.0 35.4 53.0#

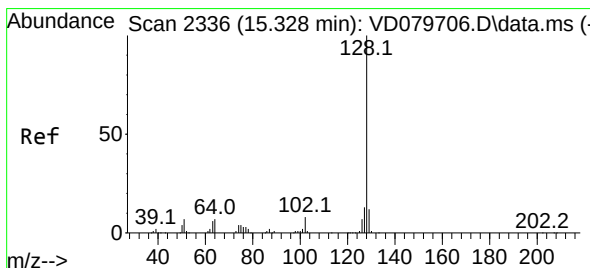
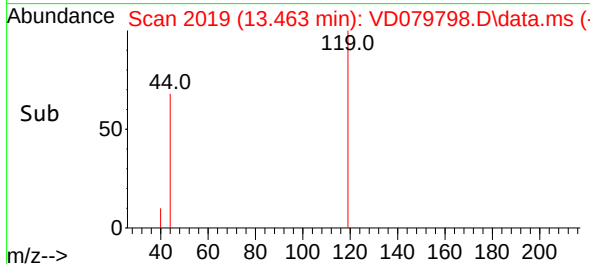
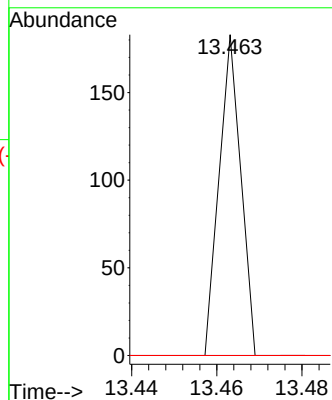
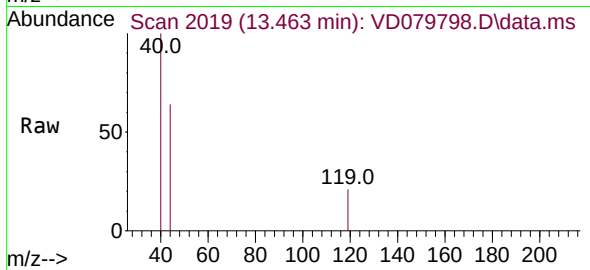




#86
p-Isopropyltoluene
Concen: 3.816 ug/l
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

Instrument :
MSVOA_D
ClientSampleId :
902-ARE

Tgt Ion:119 Resp: 65
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#95
Naphthalene
Concen: 1.606 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD079798.D
Acq: 06 Sep 2024 15:07

Tgt Ion:128 Resp: 603
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.5 12.7#

