

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076795.D
 Acq On : 19 Jul 2023 17:18
 Operator : KP/SY
 Sample : 03659-05
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-4-071823

Quant Time: Jul 20 05:01:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

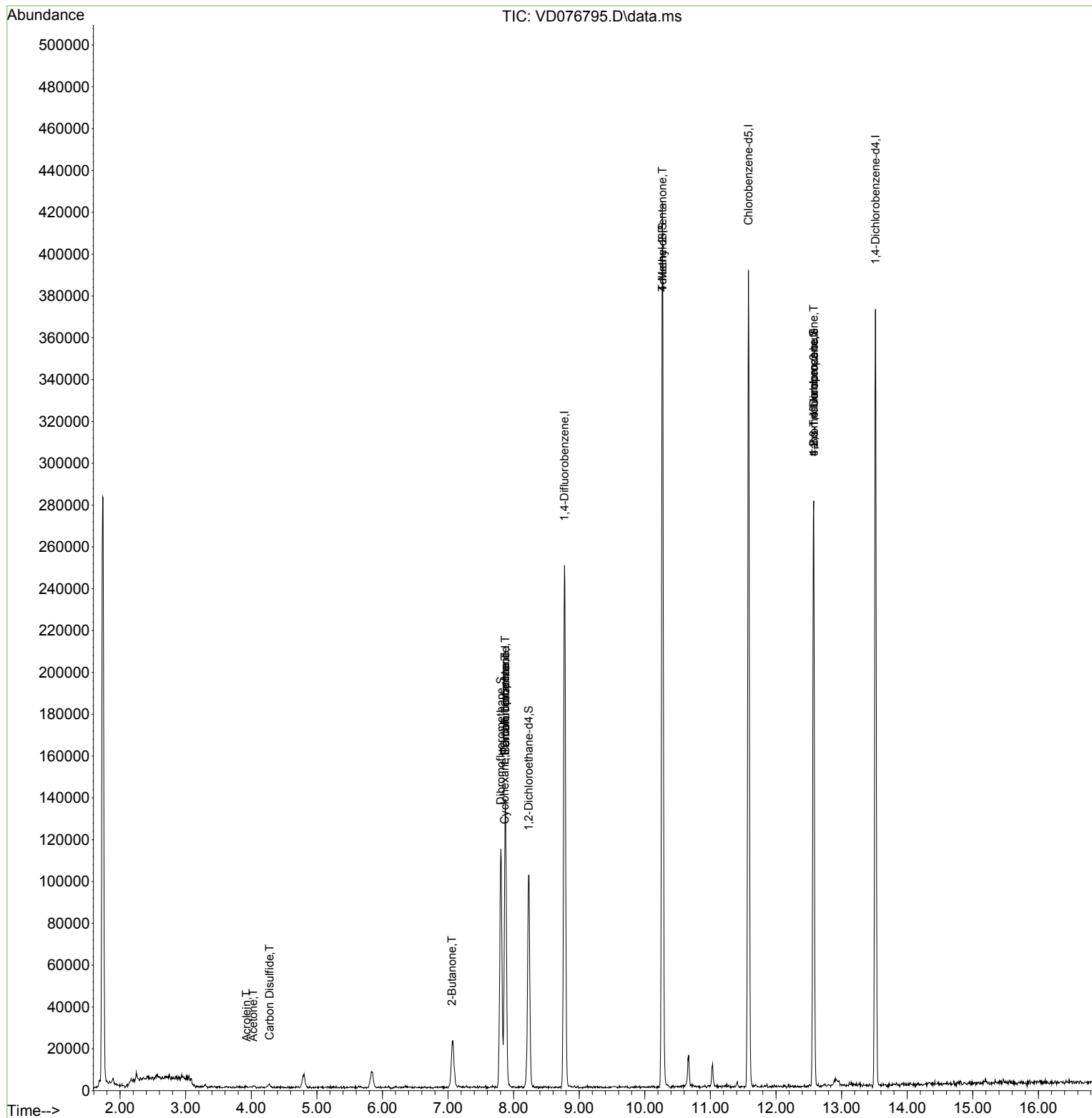
Internal Standards						
1) Pentafluorobenzene	7.875	168	103022	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	232509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	229939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	78031	76.044	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 152.080%	
35) Dibromofluoromethane	7.805	113	82809	56.676	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.360%	
50) Toluene-d8	10.269	98	292465	55.954	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.900%	
62) 4-Bromofluorobenzene	12.575	95	87314	51.637	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.280%	
Target Compounds						
					Qvalue	
13) Acrolein	3.928	56	55	1.054	ug/l	# 15
16) Acetone	4.028	43	1327	5.415	ug/l	# 32
17) Carbon Disulfide	4.281	76	2559	1.076	ug/l	# 81
20) Methylene Chloride	4.793	84	4930	Below Cal	#	83
25) 2-Butanone	7.058	43	690	2.104	ug/l	# 37
31) Cyclohexane	7.863	56	2582	1.710	ug/l	# 48
36) 1,1-Dichloropropene	7.869	75	9045	4.737	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	10347	5.660	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.269	43	1104	1.244	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	44924	48.180	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	44924	102.539	ug/l	# 17

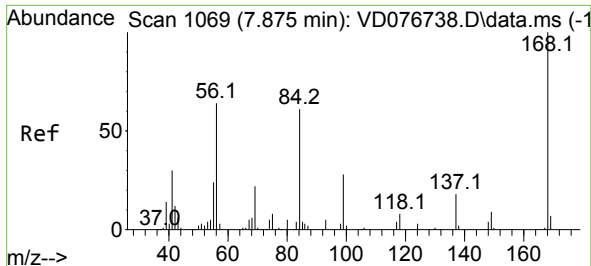
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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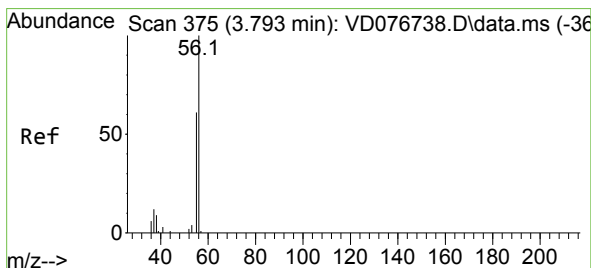
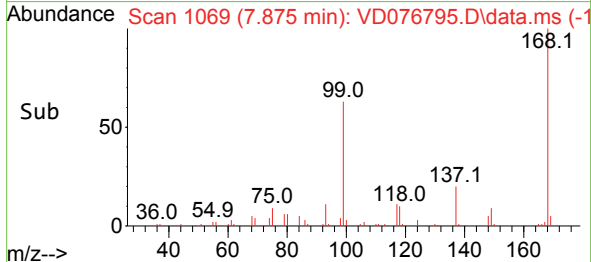
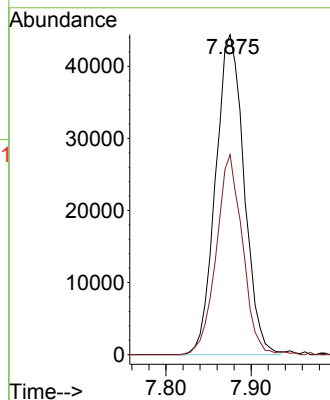
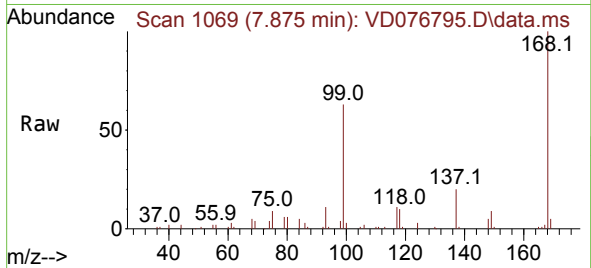




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

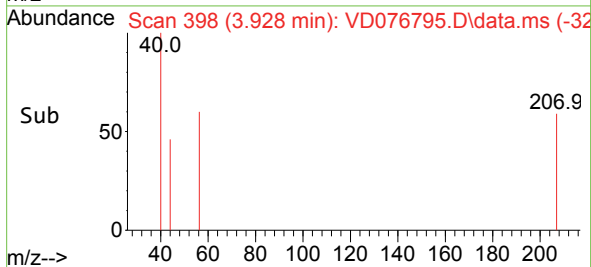
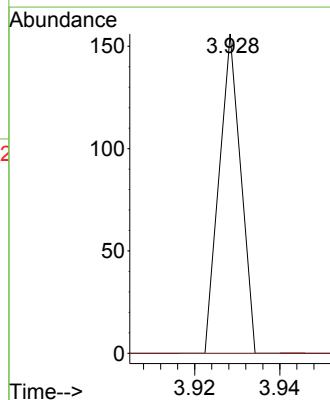
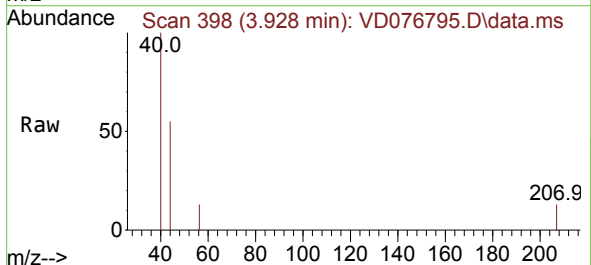
Instrument :
MSVOA_D
ClientSampleId :
HR-4-071823

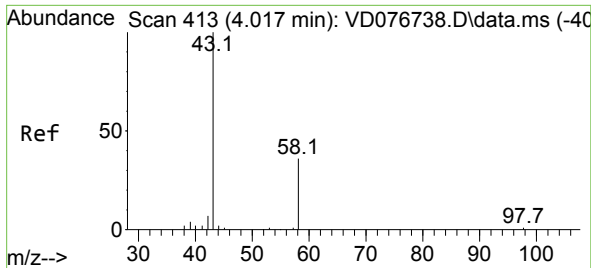
Tgt Ion:168 Resp: 103022
Ion Ratio Lower Upper
168 100
99 62.5 36.7 55.1#



#13
Acrolein
Concen: 1.054 ug/l
RT: 3.928 min Scan# 398
Delta R.T. 0.135 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#





#16

Acetone

Concen: 5.415 ug/l

RT: 4.028 min Scan# 413

Delta R.T. 0.011 min

Lab File: VD076795.D

Acq: 19 Jul 2023 17:18

Instrument :

MSVOA_D

ClientSampleId :

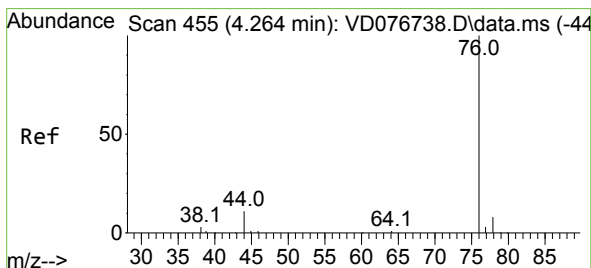
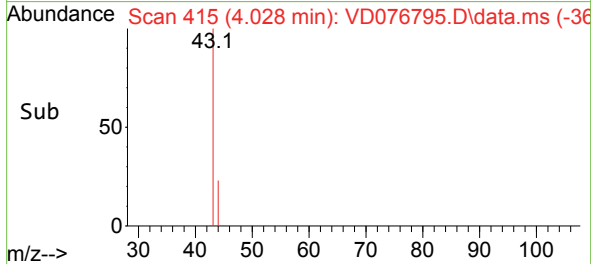
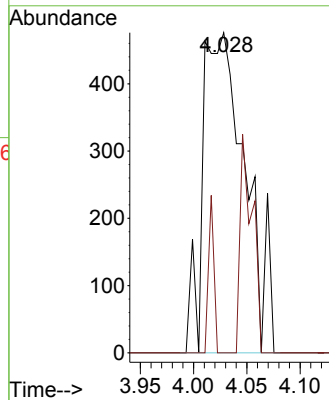
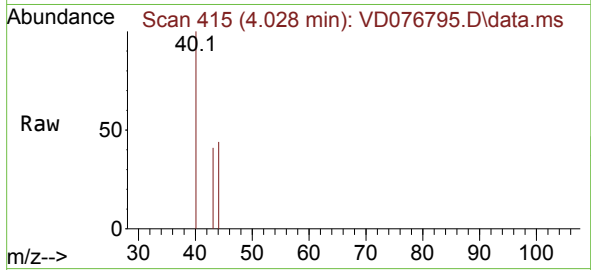
HR-4-071823

Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#17

Carbon Disulfide

Concen: 1.076 ug/l

RT: 4.281 min Scan# 458

Delta R.T. 0.017 min

Lab File: VD076795.D

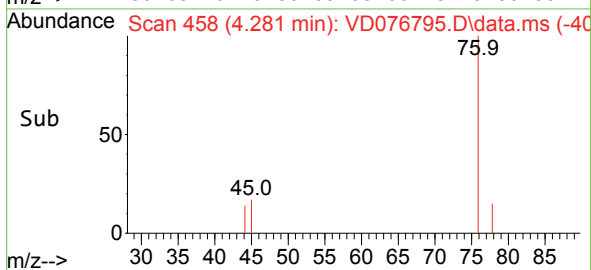
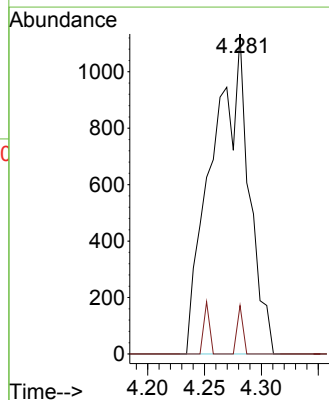
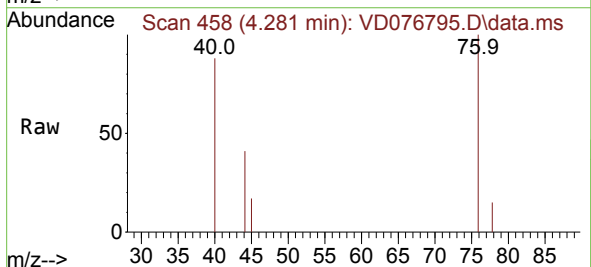
Acq: 19 Jul 2023 17:18

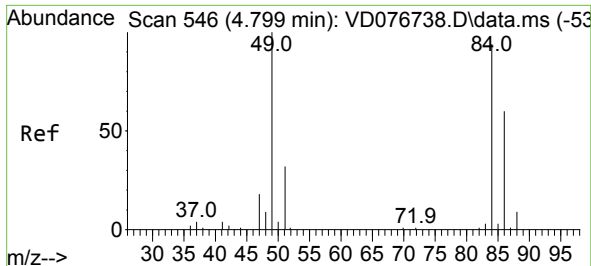
Tgt Ion: 76 Resp: 2559

Ion Ratio Lower Upper

76 100

78 15.2 6.8 10.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.793 min Scan# 54

Delta R.T. -0.006 min

Lab File: VD076795.D

Acq: 19 Jul 2023 17:18

Instrument :

MSVOA_D

ClientSampleId :

HR-4-071823

Tgt Ion: 84 Resp: 4930

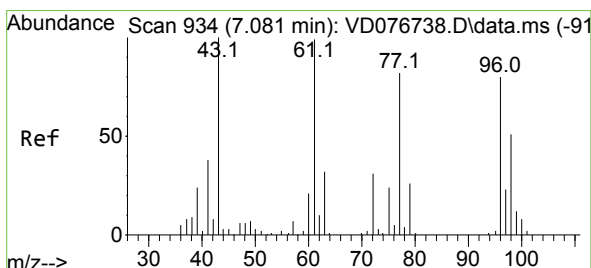
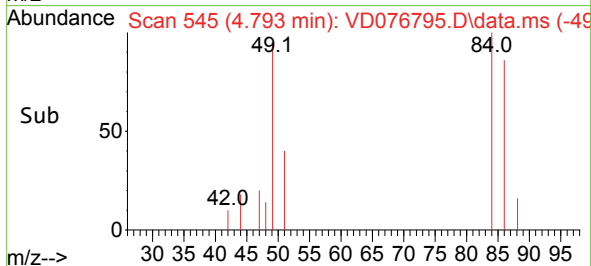
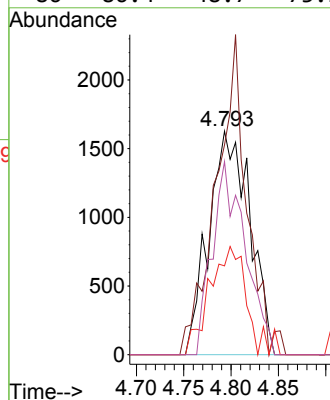
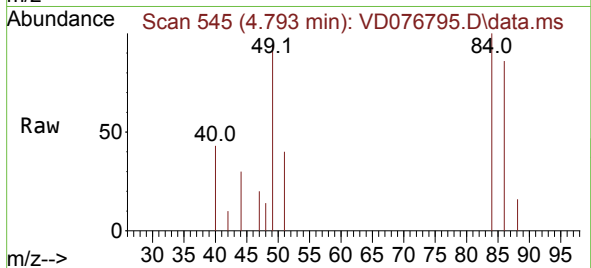
Ion Ratio Lower Upper

84 100

49 93.9 71.4 107.2

51 39.8 24.5 36.7#

86 86.4 48.7 73.1#



#25

2-Butanone

Concen: 2.104 ug/l

RT: 7.058 min Scan# 930

Delta R.T. -0.023 min

Lab File: VD076795.D

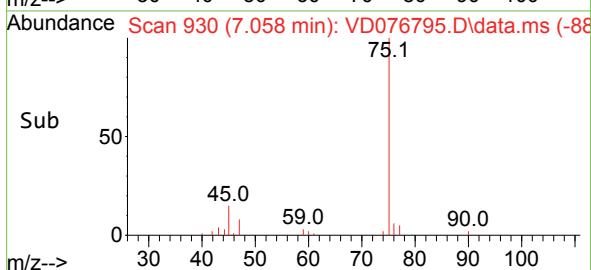
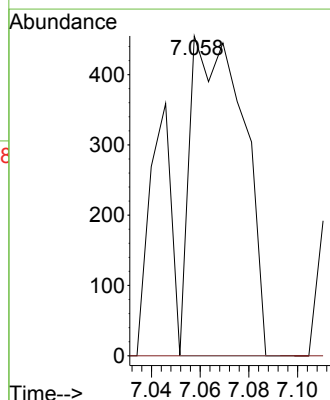
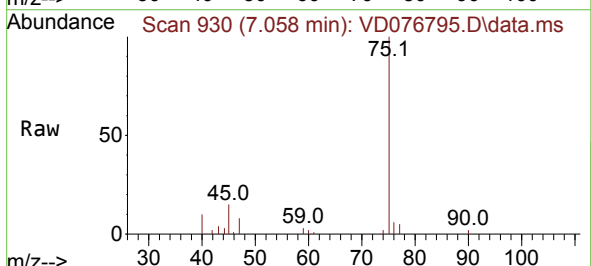
Acq: 19 Jul 2023 17:18

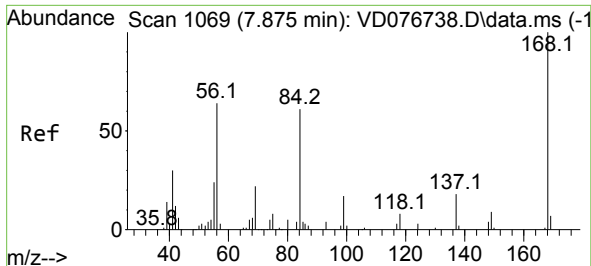
Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

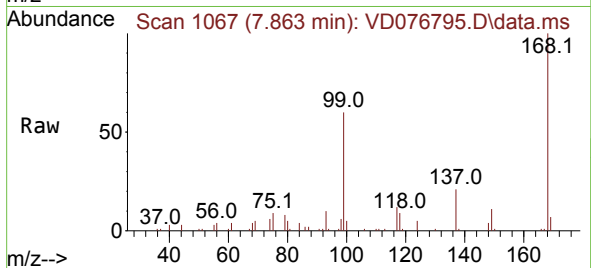
72 0.0 30.7 46.1#



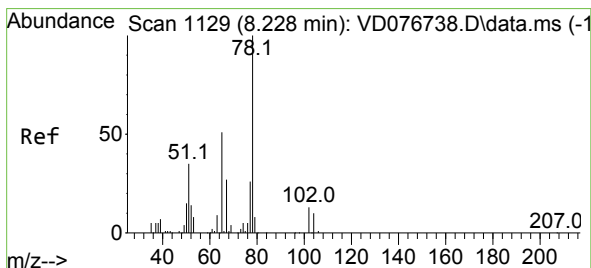
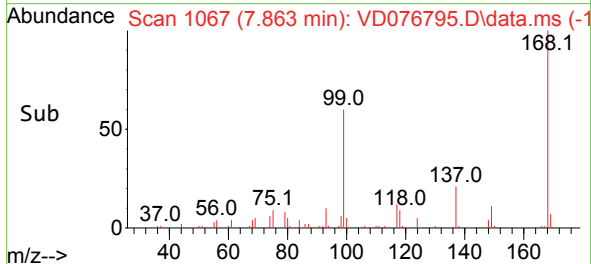
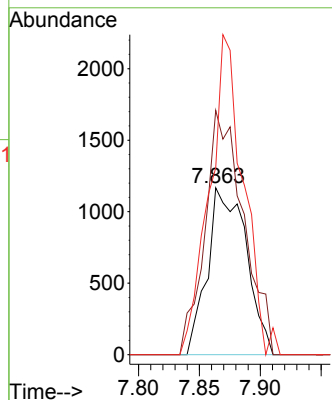


#31
Cyclohexane
Concen: 1.710 ug/l
RT: 7.863 min Scan# 1069
Delta R.T. -0.012 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

Instrument :
MSVOA_D
ClientSampleId :
HR-4-071823

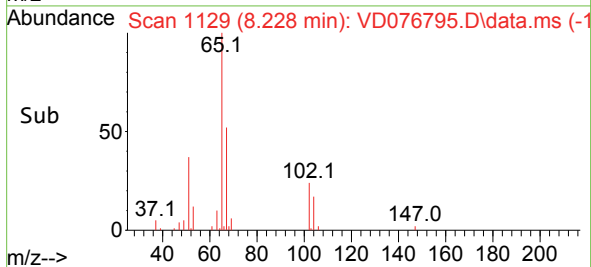
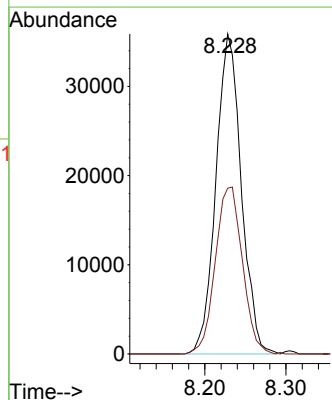
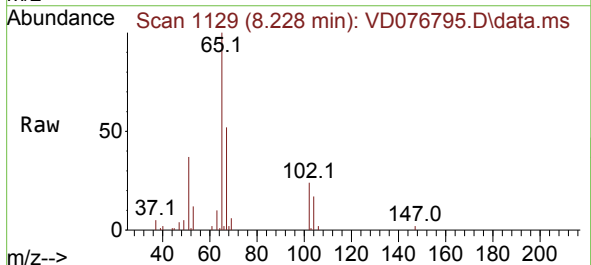


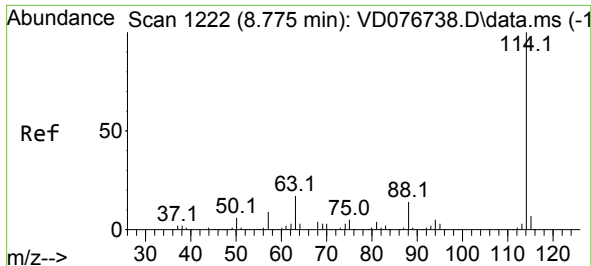
Tgt Ion: 56 Resp: 2582
Ion Ratio Lower Upper
56 100
69 146.4 28.6 43.0#
84 111.9 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 76.044 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

Tgt Ion: 65 Resp: 78031
Ion Ratio Lower Upper
65 100
67 55.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076795.D

Acq: 19 Jul 2023 17:18

Instrument :

MSVOA_D

ClientSampleId :

HR-4-071823

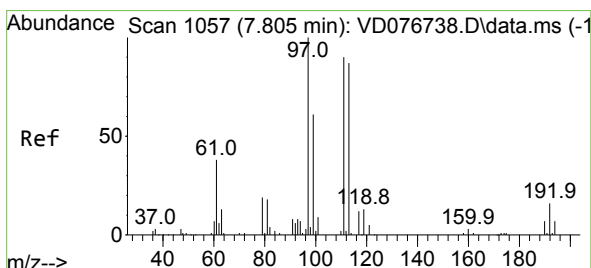
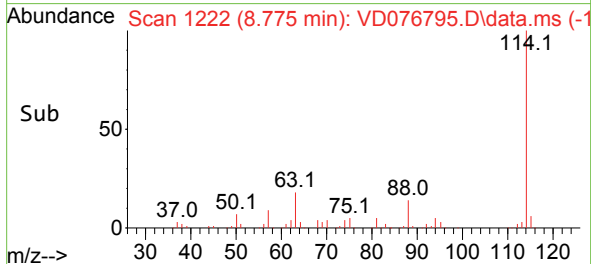
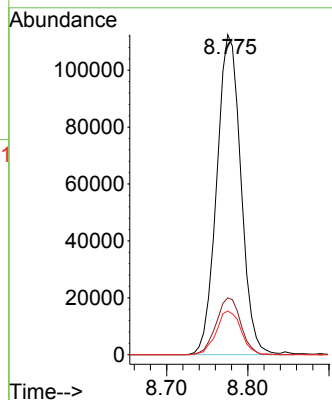
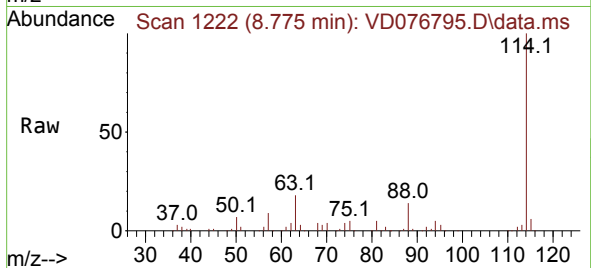
Tgt Ion:114 Resp: 232509

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 56.676 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076795.D

Acq: 19 Jul 2023 17:18

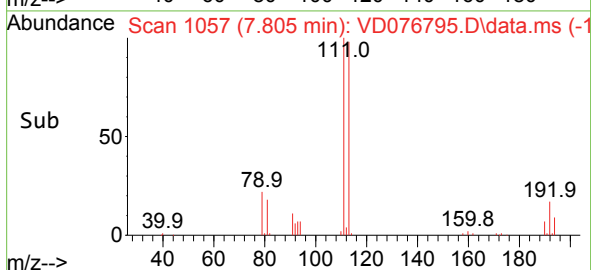
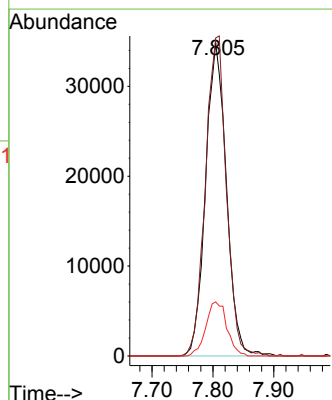
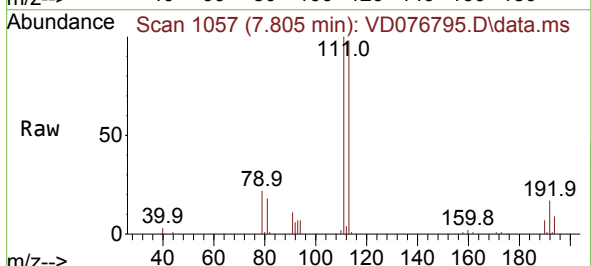
Tgt Ion:113 Resp: 82809

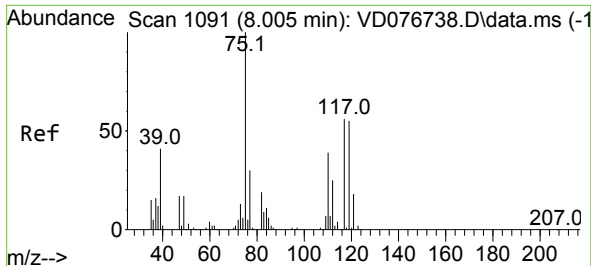
Ion Ratio Lower Upper

113 100

111 102.6 84.7 127.1

192 17.5 16.8 25.2

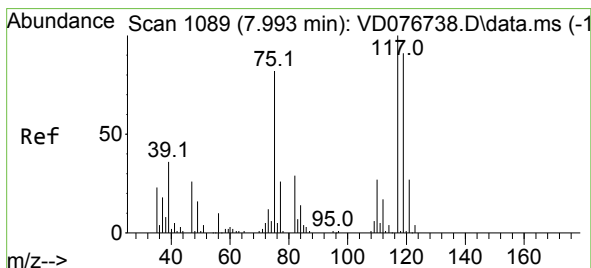
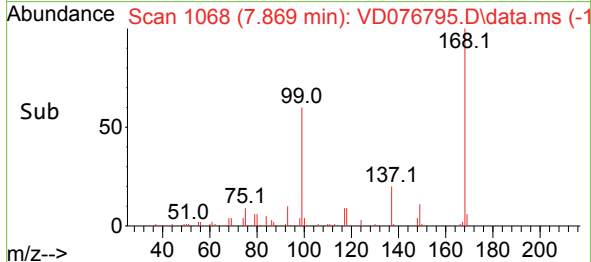
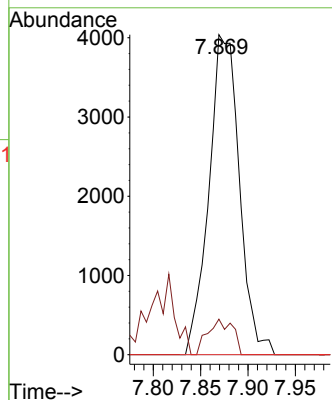
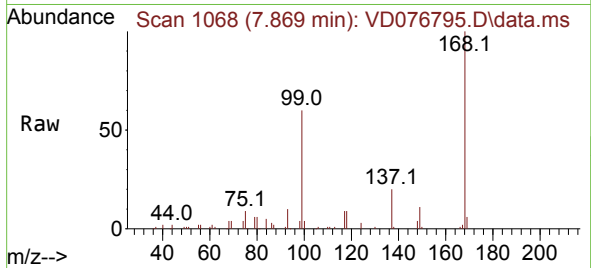




#36
1,1-Dichloropropene
Concen: 4.737 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

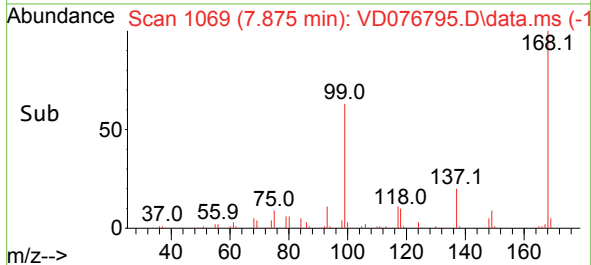
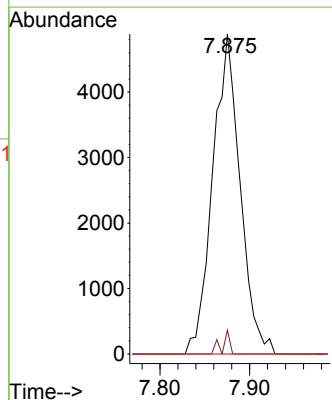
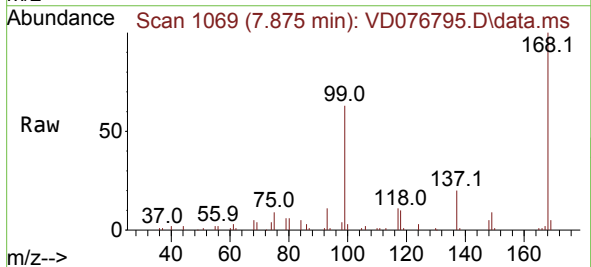
Instrument :
MSVOA_D
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HR-4-071823

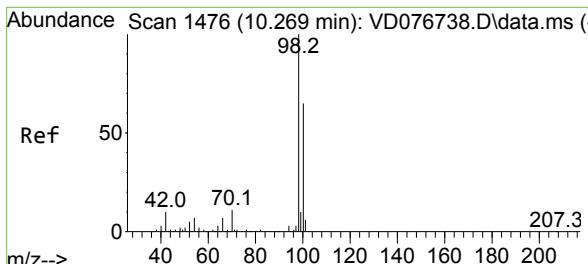
Tgt Ion: 75 Resp: 9045
Ion Ratio Lower Upper
75 100
110 9.1 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

Tgt Ion: 117 Resp: 10347
Ion Ratio Lower Upper
117 100
119 7.4 78.0 117.0#
121 0.0 24.2 36.2#



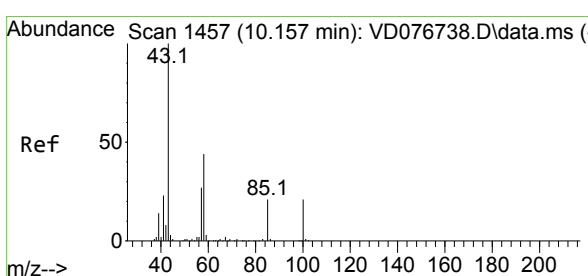
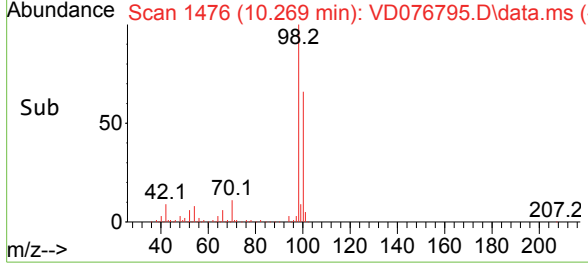
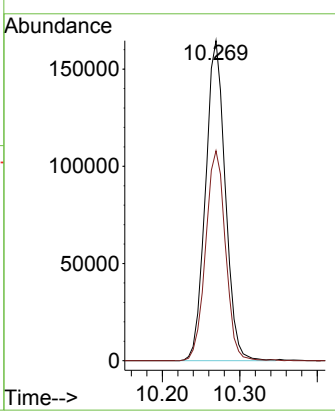
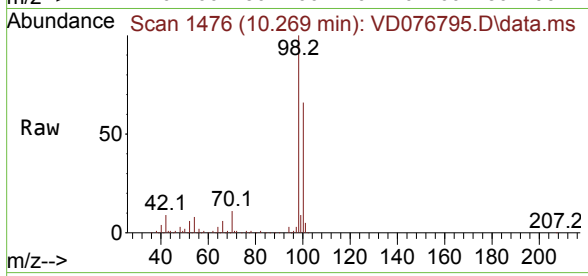


#50
Toluene-d8
Concen: 55.954 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

Instrument : MSVOA_D
ClientSampleId : HR-4-071823

Tgt Ion: 98 Resp: 292465

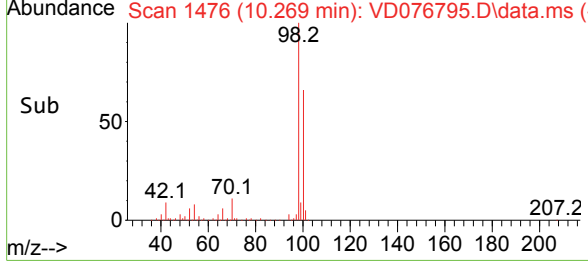
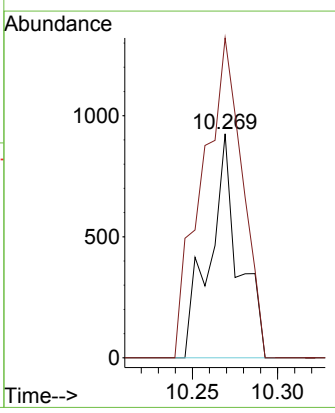
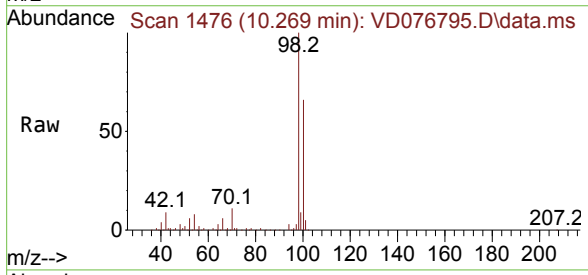
Ion	Ratio	Lower	Upper
98	100		
100	65.8	50.3	75.5

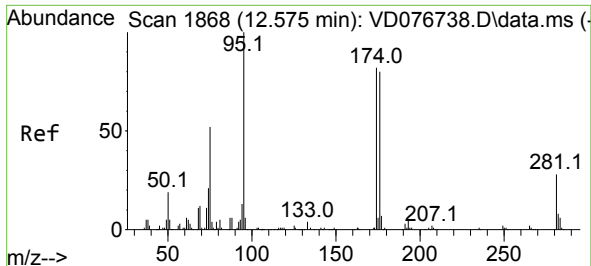


#51
4-Methyl-2-Pentanone
Concen: 1.244 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

Tgt Ion: 43 Resp: 1104

Ion	Ratio	Lower	Upper
43	100		
58	196.6	38.9	58.3#

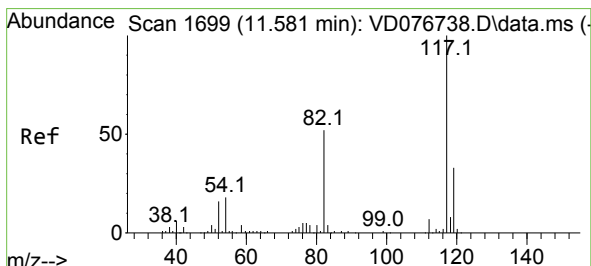
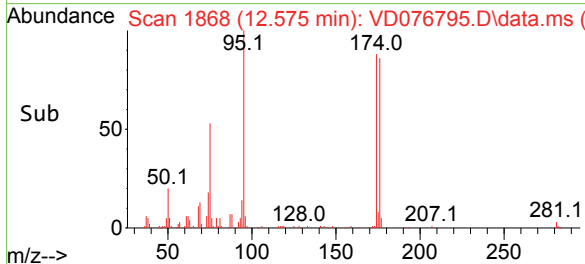
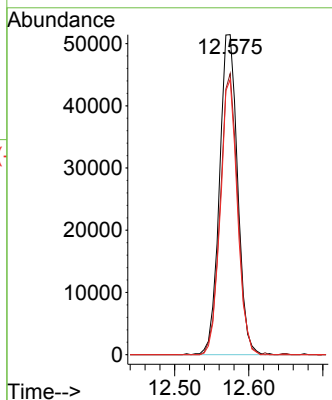
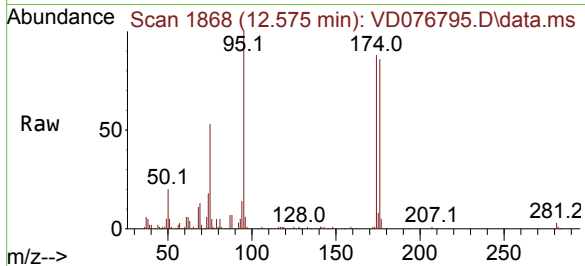




#62
4-Bromofluorobenzene
Concen: 51.637 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

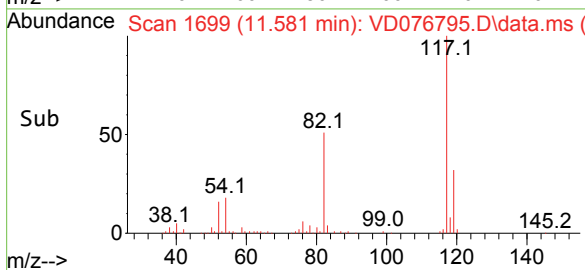
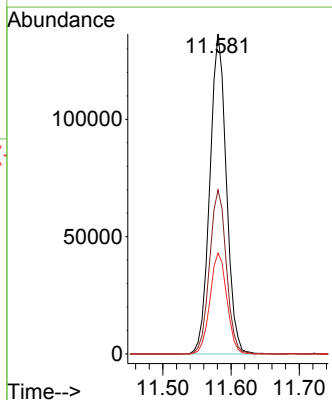
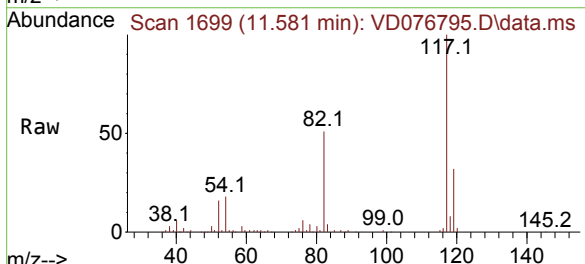
Instrument :
MSVOA_D
ClientSampleId :
HR-4-071823

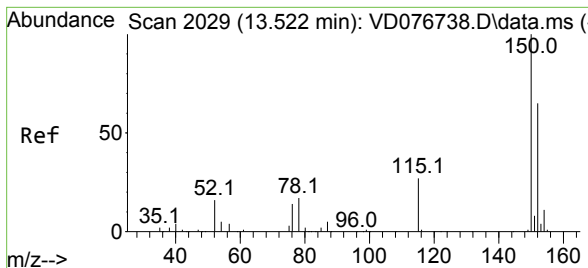
Tgt Ion:	95	Resp:	87314
Ion Ratio	Lower	Upper	
95	100		
174	84.6	0.0	201.8
176	80.8	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

Tgt Ion:	117	Resp:	229939
Ion Ratio	Lower	Upper	
117	100		
82	51.2	38.3	57.5
119	31.5	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD076795.D

Acq: 19 Jul 2023 17:18

Instrument :

MSVOA_D

ClientSampleId :

HR-4-071823

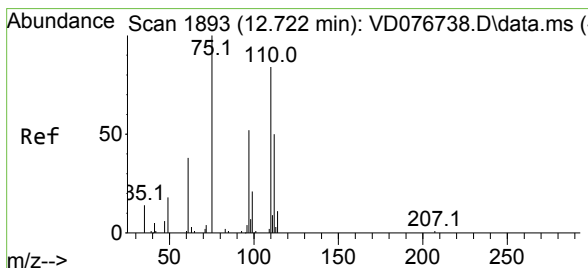
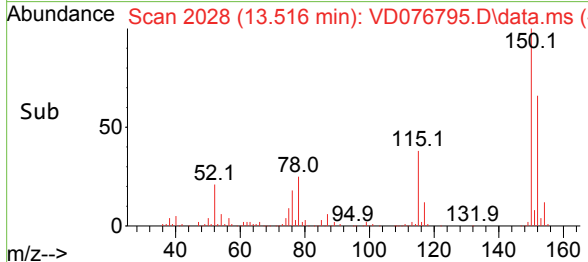
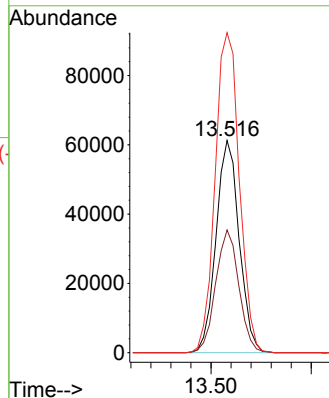
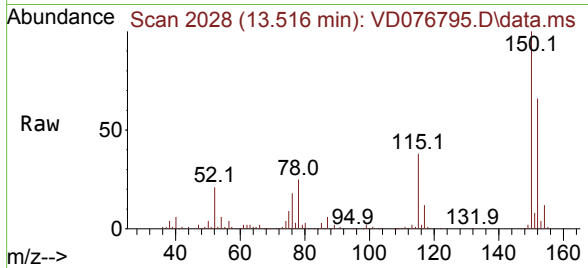
Tgt Ion:152 Resp: 98048

Ion Ratio Lower Upper

152 100

115 57.9 27.1 81.3

150 157.6 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 48.180 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076795.D

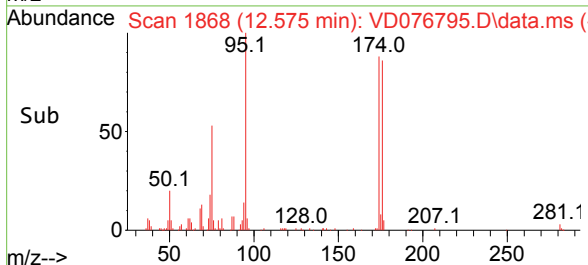
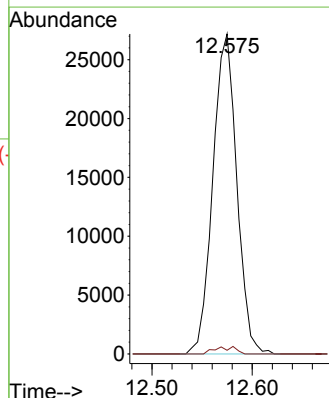
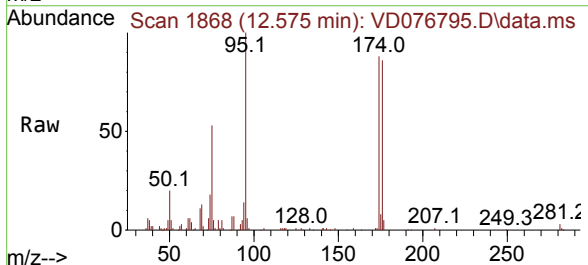
Acq: 19 Jul 2023 17:18

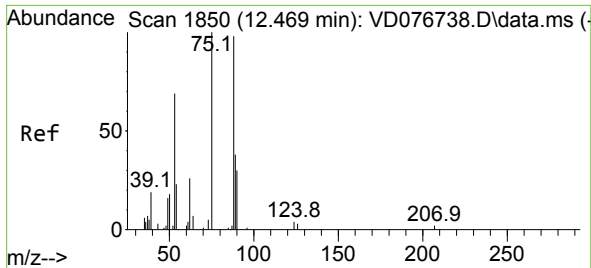
Tgt Ion: 75 Resp: 44924

Ion Ratio Lower Upper

75 100

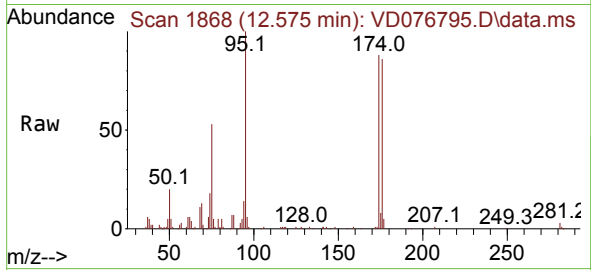
77 2.0 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 102.539 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD076795.D
Acq: 19 Jul 2023 17:18

Instrument :
MSVOA_D
ClientSampleId :
HR-4-071823



Tgt Ion:	75	Resp:	44924
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

