

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076841.D
 Acq On : 27 Jul 2023 18:35
 Operator : KP/SY
 Sample : 03784-01
 Misc : 4.99G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 03:00:28 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)

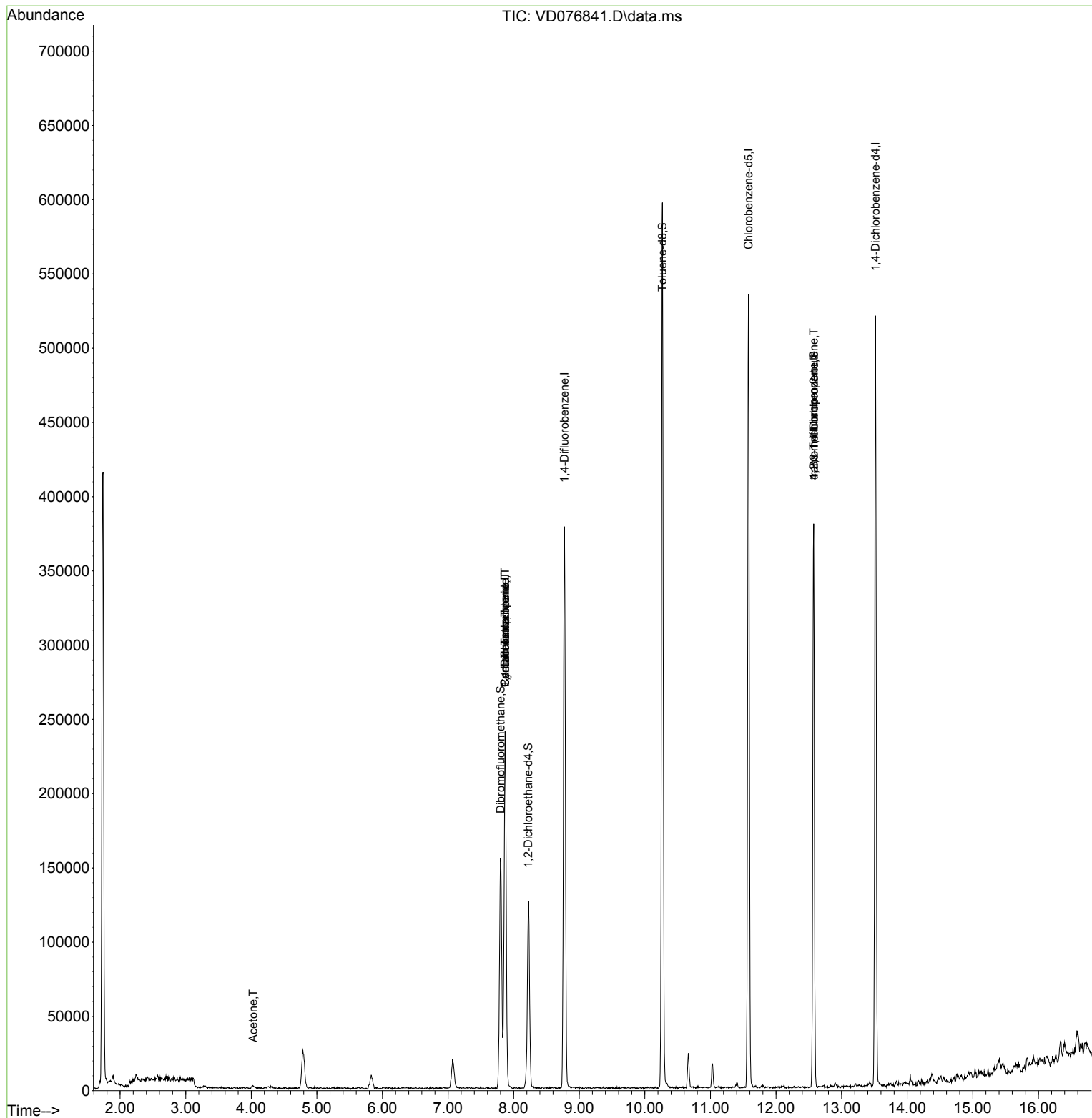
Internal Standards						
1) Pentafluorobenzene	7.869	168	180582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	352904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	314598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	133416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	94052	52.290	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.580%	
35) Dibromofluoromethane	7.799	113	114812	51.771	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.540%	
50) Toluene-d8	10.269	98	419787	52.913	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.820%	
62) 4-Bromofluorobenzene	12.575	95	117600	45.822	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.640%	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	2876	6.695	ug/l	92
20) Methylene Chloride	4.781	84	20682	Below Cal	#	86
31) Cyclohexane	7.869	56	4056	1.532	ug/l #	39
36) 1,1-Dichloropropene	7.869	75	14714	5.077	ug/l #	48
38) Carbon Tetrachloride	7.869	117	18797	6.774	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	62628	49.361	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	62628	105.053	ug/l #	17

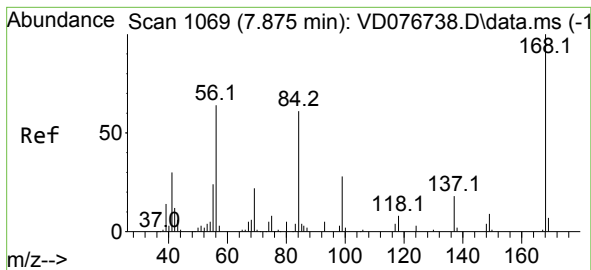
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076841.D

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Instrument :

MSVOA_D

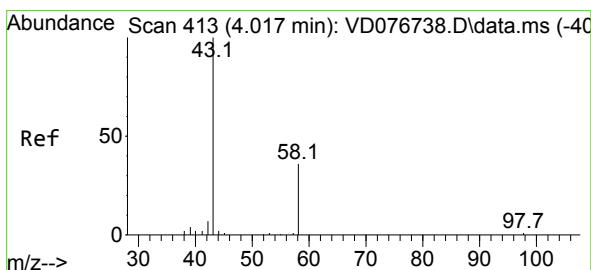
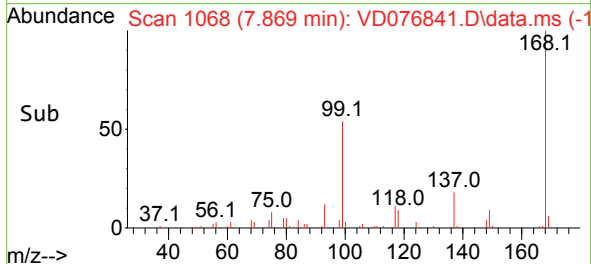
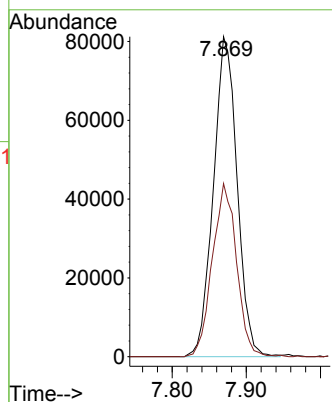
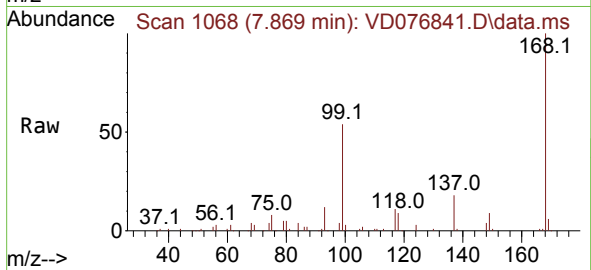
ClientSampleId :

Tgt Ion:168 Resp: 180582

Ion Ratio Lower Upper

168 100

99 54.1 36.7 55.1



#16

Acetone

Concen: 6.695 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.011 min

Lab File: VD076841.D

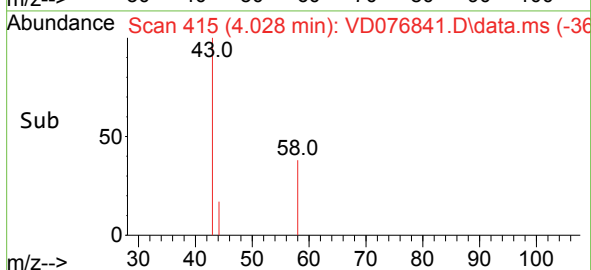
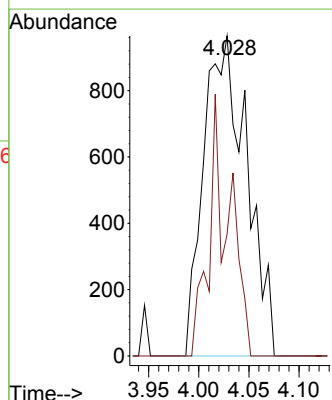
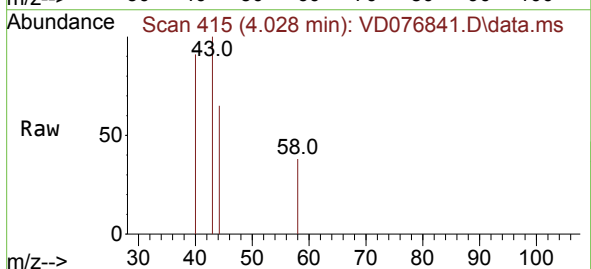
Acq: 27 Jul 2023 18:35

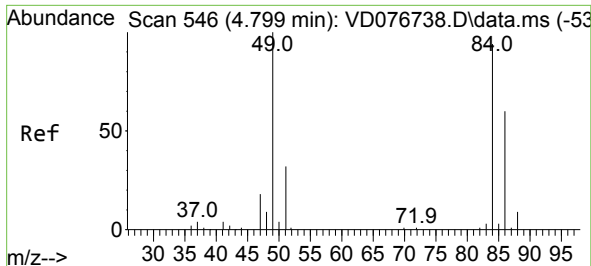
Tgt Ion: 43 Resp: 2876

Ion Ratio Lower Upper

43 100

58 38.0 34.7 52.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.781 min Scan# 54

Delta R.T. -0.018 min

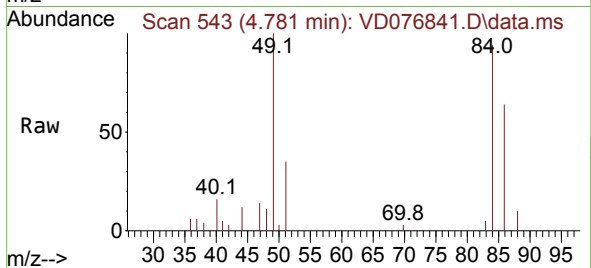
Lab File: VD076841.D

Acq: 27 Jul 2023 18:35

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 20682

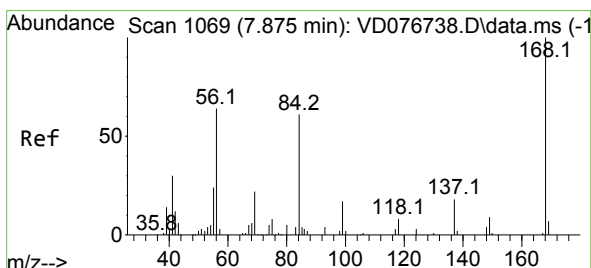
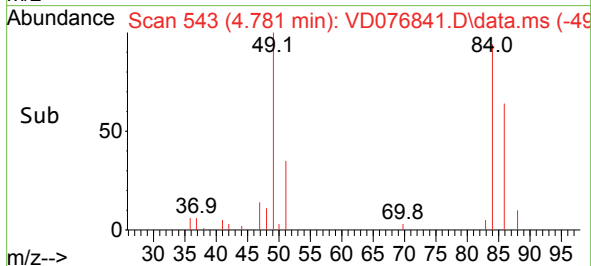
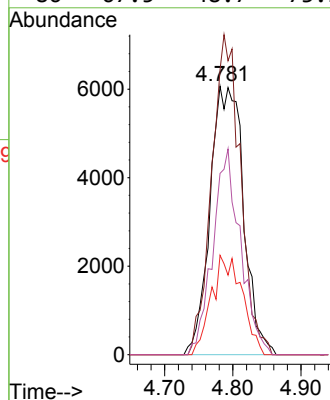
Ion Ratio Lower Upper

84 100

49 106.1 71.4 107.2

51 37.0 24.5 36.7#

86 67.5 48.7 73.1



#31

Cyclohexane

Concen: 1.532 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076841.D

Acq: 27 Jul 2023 18:35

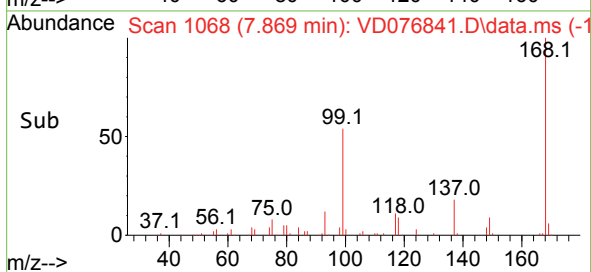
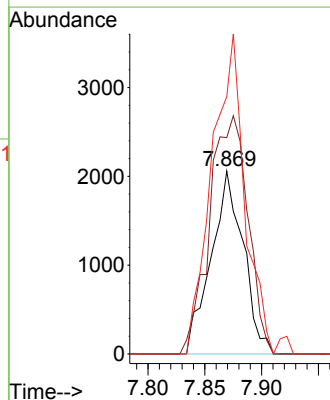
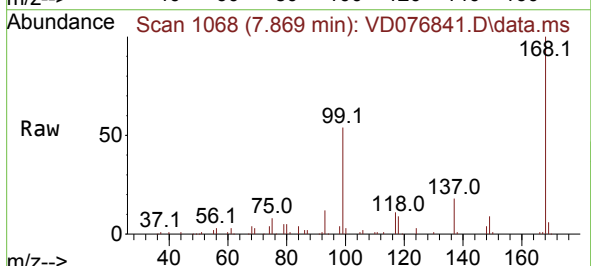
Tgt Ion: 56 Resp: 4056

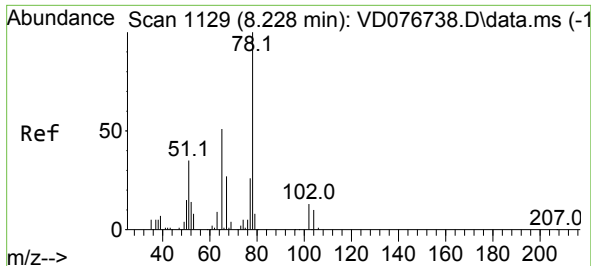
Ion Ratio Lower Upper

56 100

69 118.4 28.6 43.0#

84 140.8 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 52.290 ug/l

RT: 8.222 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076841.D

Acq: 27 Jul 2023 18:35

Instrument :

MSVOA_D

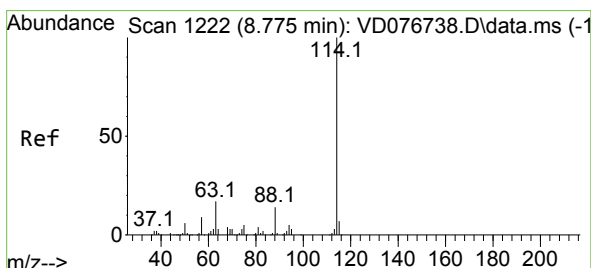
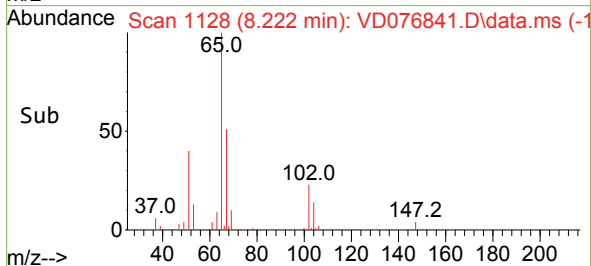
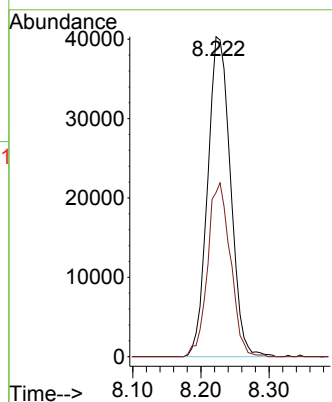
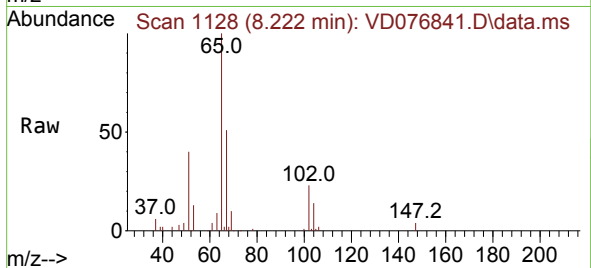
ClientSampleId :

Tgt Ion: 65 Resp: 94052

Ion Ratio Lower Upper

65 100

67 54.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076841.D

Acq: 27 Jul 2023 18:35

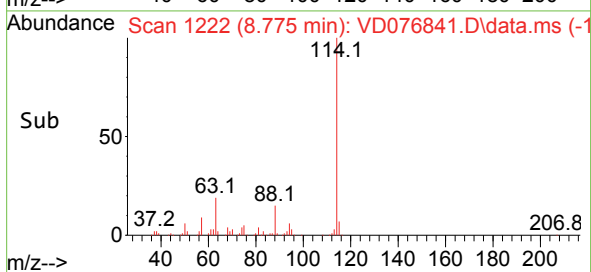
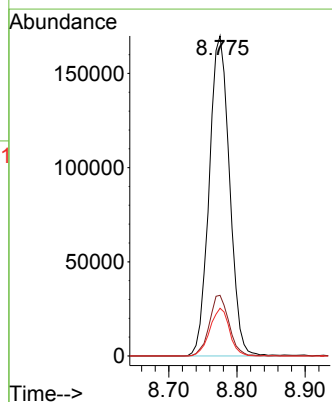
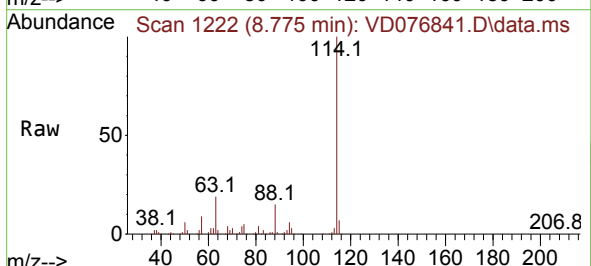
Tgt Ion: 114 Resp: 352904

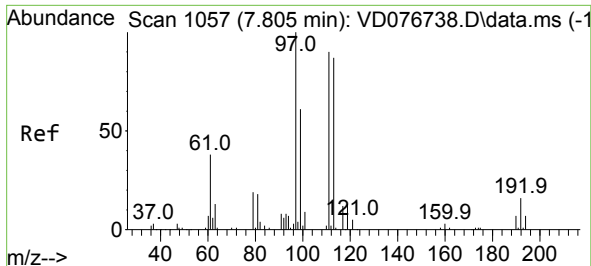
Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.4

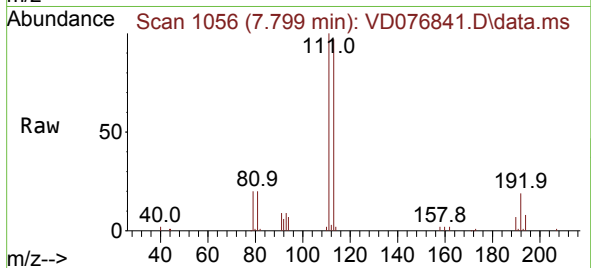
88 14.9 0.0 26.2



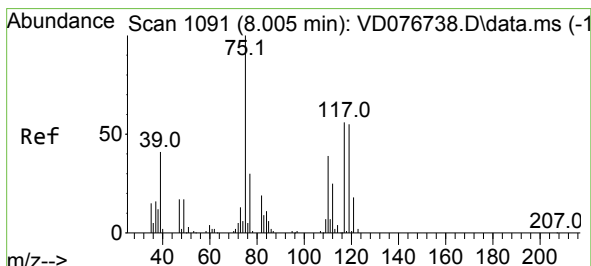
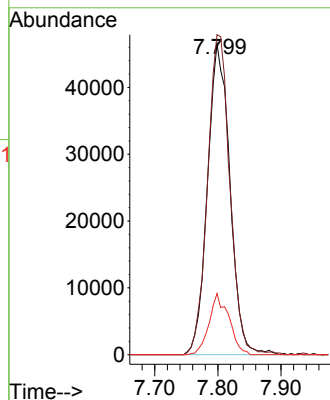
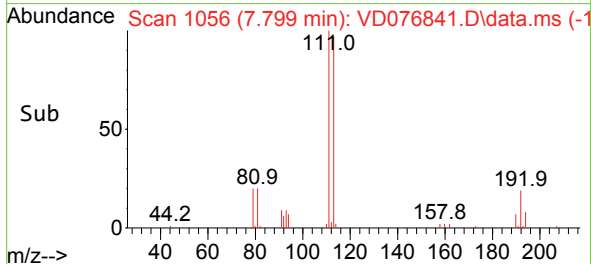


#35
Dibromofluoromethane
Concen: 51.771 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076841.D
Acq: 27 Jul 2023 18:35

Instrument :
MSVOA_D
ClientSampleId :

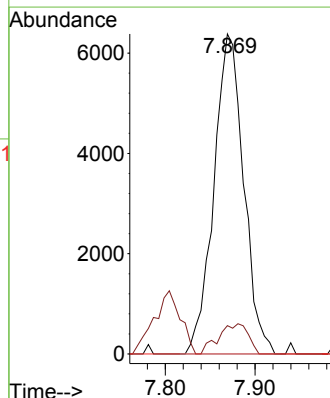
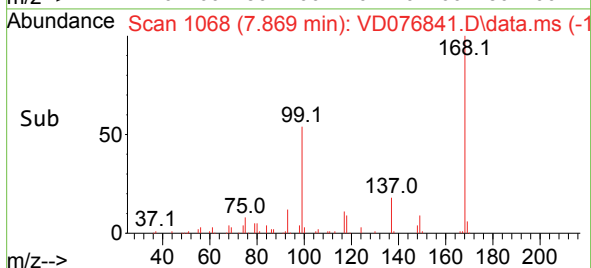
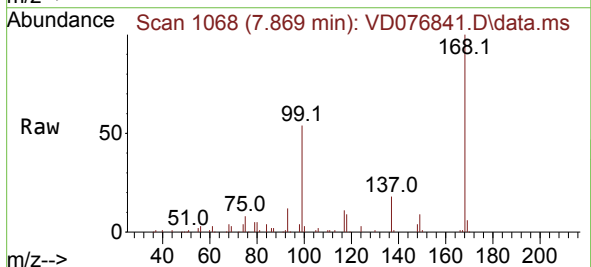


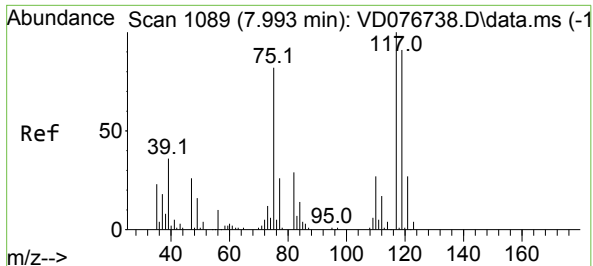
Tgt Ion:113 Resp: 114812
Ion Ratio Lower Upper
113 100
111 102.6 84.7 127.1
192 17.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VD076841.D
Acq: 27 Jul 2023 18:35

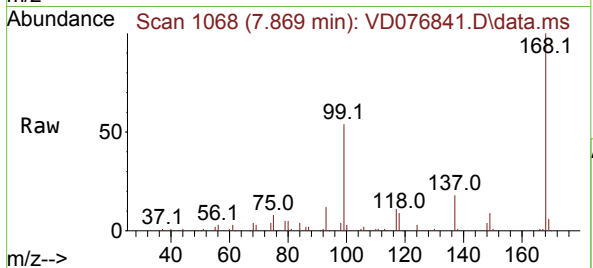
Tgt Ion: 75 Resp: 14714
Ion Ratio Lower Upper
75 100
110 9.4 19.9 59.6#
77 0.0 24.7 37.1#



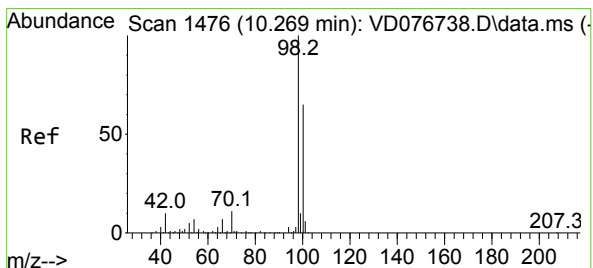
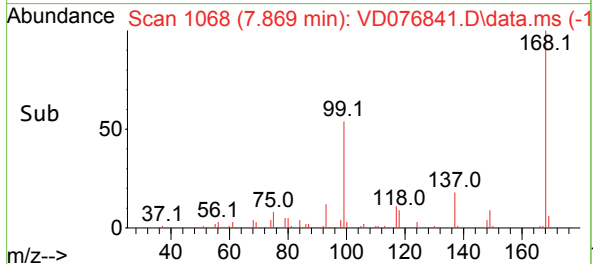
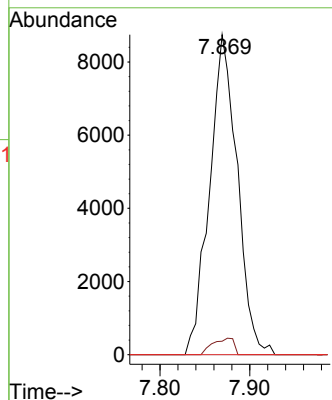


#38
Carbon Tetrachloride
Concen: 6.774 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD076841.D
Acq: 27 Jul 2023 18:35

Instrument :
MSVOA_D
ClientSampleId :

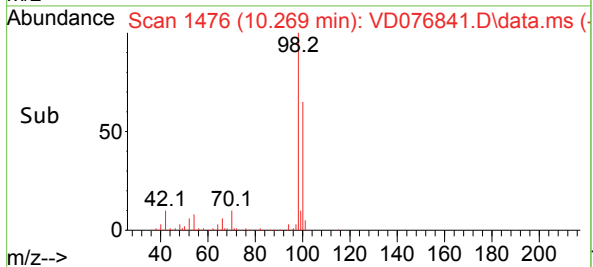
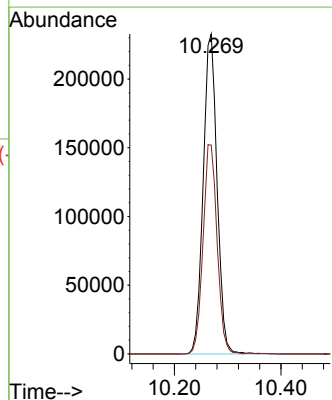
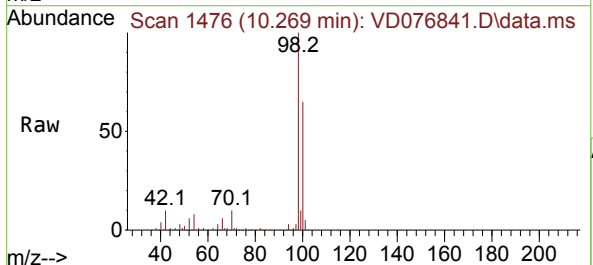


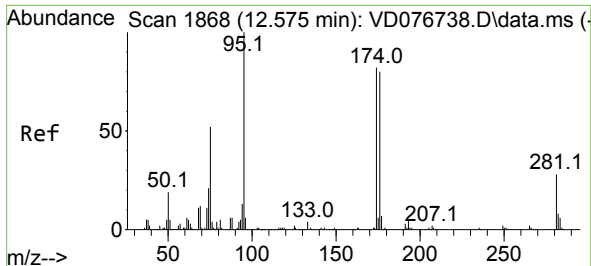
Tgt Ion:117 Resp: 18797
Ion Ratio Lower Upper
117 100
119 4.2 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.913 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076841.D
Acq: 27 Jul 2023 18:35

Tgt Ion: 98 Resp: 419787
Ion Ratio Lower Upper
98 100
100 66.2 50.3 75.5





#62

4-Bromofluorobenzene

Concen: 45.822 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

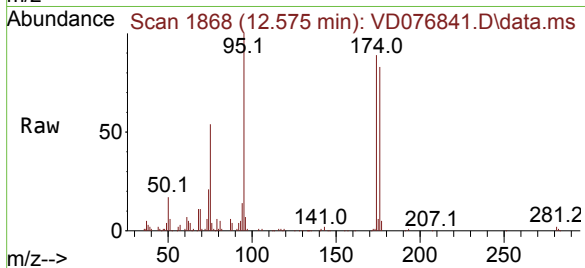
Lab File: VD076841.D

Acq: 27 Jul 2023 18:35

Instrument :

MSVOA_D

ClientSampleId :



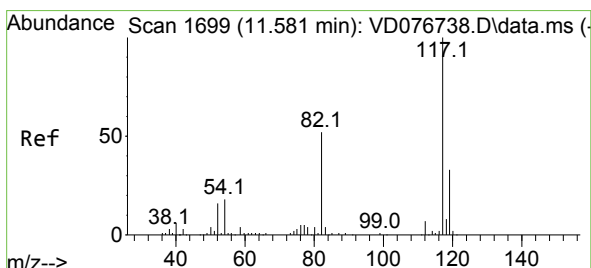
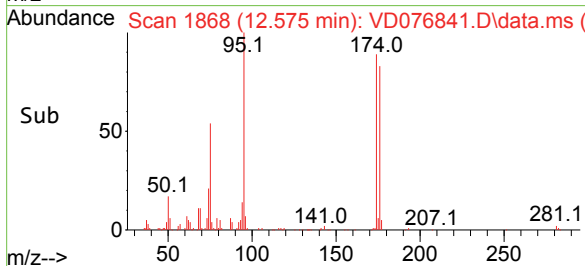
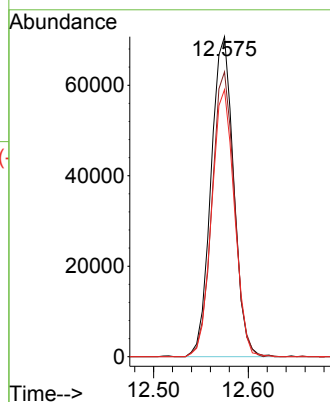
Tgt Ion: 95 Resp: 117600

Ion Ratio Lower Upper

95 100

174 88.3 0.0 201.8

176 83.7 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: VD076841.D

Acq: 27 Jul 2023 18:35

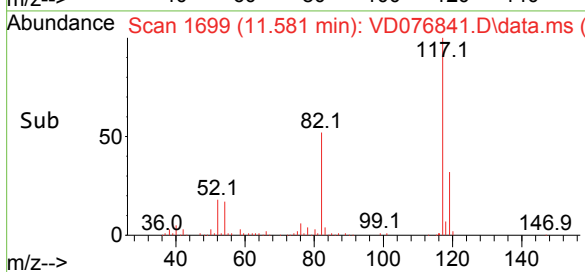
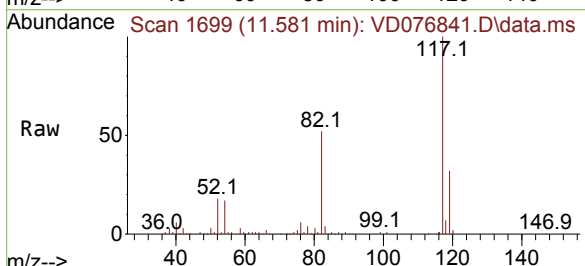
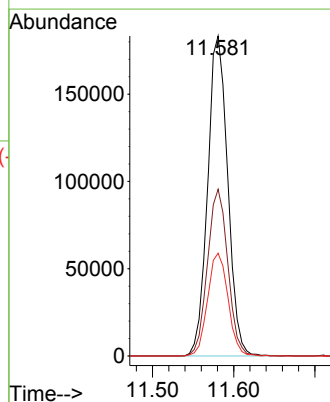
Tgt Ion: 117 Resp: 314598

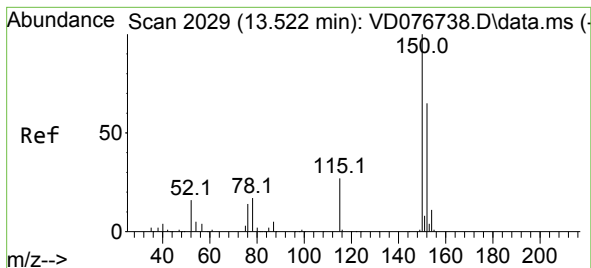
Ion Ratio Lower Upper

117 100

82 52.1 38.3 57.5

119 32.1 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: VD076841.D

Acq: 27 Jul 2023 18:35

Instrument :

MSVOA_D

ClientSampleId :

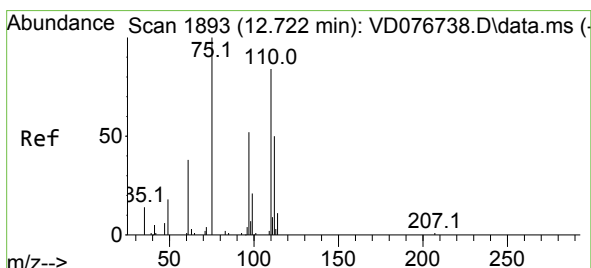
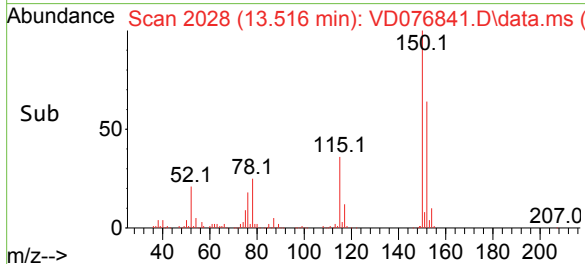
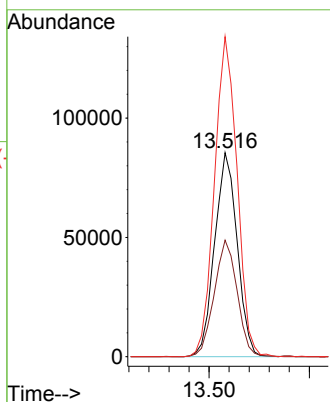
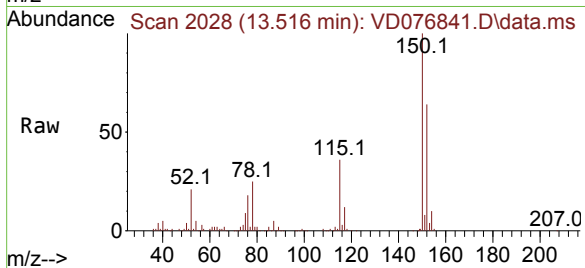
Tgt Ion:152 Resp: 133416

Ion Ratio Lower Upper

152 100

115 58.0 27.1 81.3

150 157.2 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 49.361 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076841.D

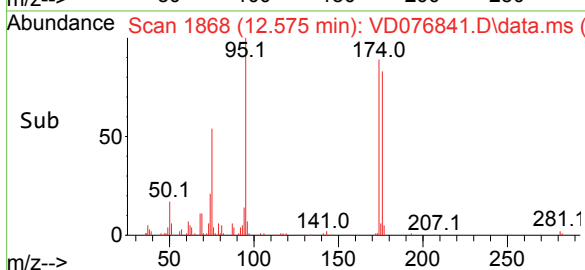
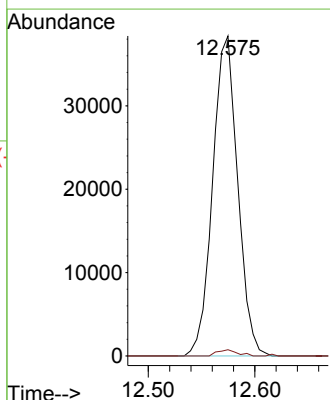
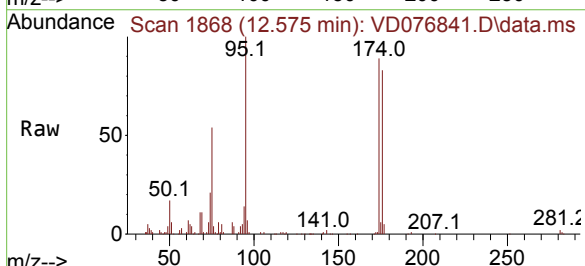
Acq: 27 Jul 2023 18:35

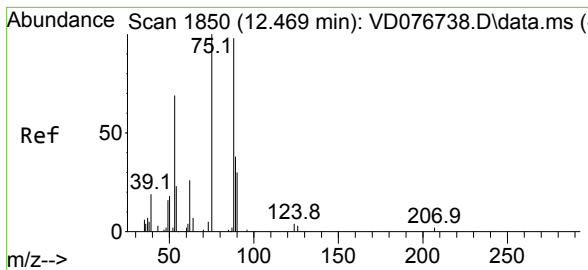
Tgt Ion: 75 Resp: 62628

Ion Ratio Lower Upper

75 100

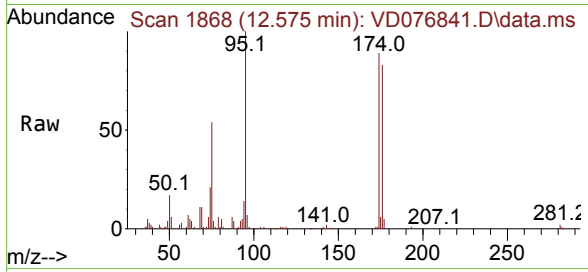
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.053 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076841.D
 Acq: 27 Jul 2023 18:35

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	62628
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.1	37.9	56.9#

