

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076851.D
 Acq On : 28 Jul 2023 13:29
 Operator : KP/SY
 Sample : 03770-04
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DEL-2-RP

Quant Time: Jul 28 23:03:18 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)

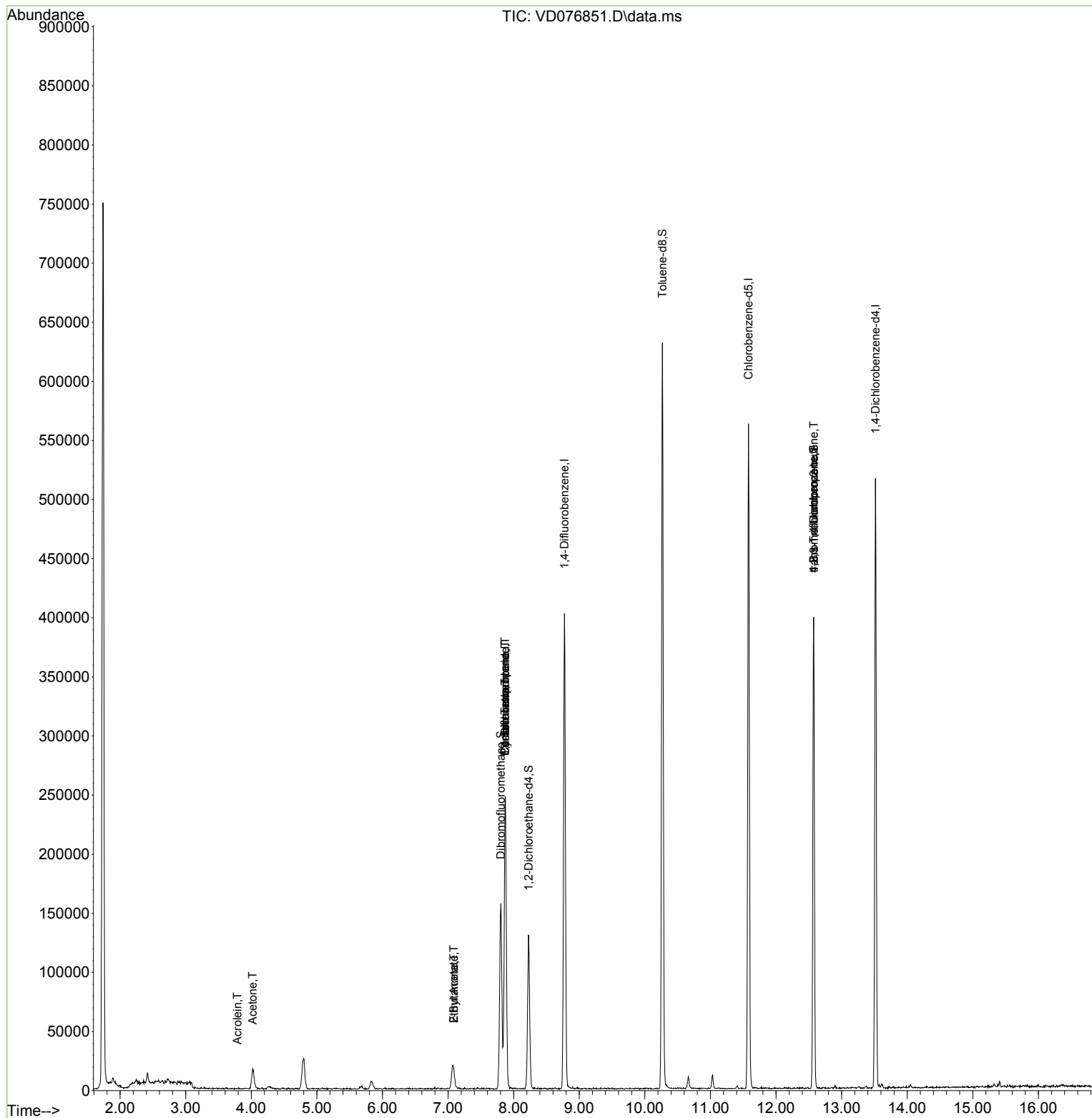
Internal Standards						
1) Pentafluorobenzene	7.869	168	191770	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	362259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	333659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	139980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93160	48.773	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.540%		
35) Dibromofluoromethane	7.804	113	116063	50.984	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.960%		
50) Toluene-d8	10.269	98	442421	54.326	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	108.660%		
62) 4-Bromofluorobenzene	12.575	95	123706	46.956	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.920%		
Target Compounds						
13) Acrolein	3.787	56	138	1.421	ug/l	# 79
16) Acetone	4.022	43	27891	61.142	ug/l	98
20) Methylene Chloride	4.805	84	20911	Below Cal	#	91
25) 2-Butanone	7.087	43	11381	18.642	ug/l	# 87
31) Cyclohexane	7.869	56	4268	1.518	ug/l	# 1
36) 1,1-Dichloropropene	7.869	75	16874	5.672	ug/l	# 47
37) Ethyl Acetate	7.087	43	11381	8.555	ug/l	# 62
38) Carbon Tetrachloride	7.869	117	19120	6.713	ug/l	# 15
76) 1,2,3-Trichloropropane	12.575	75	65319	49.068	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	65319	104.429	ug/l	# 17

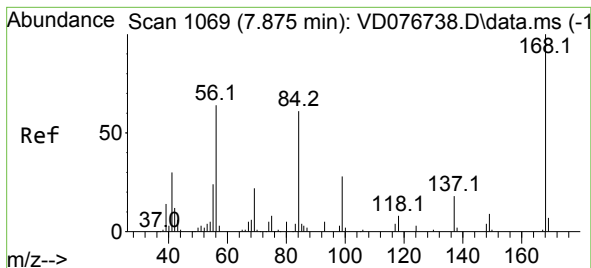
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076851.D

Acq: 28 Jul 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

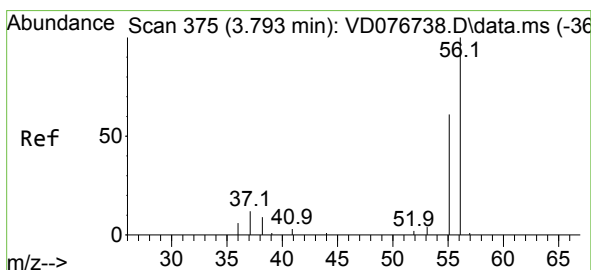
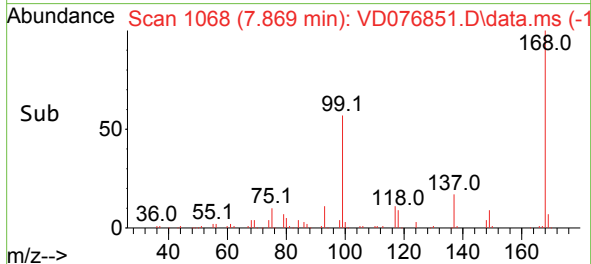
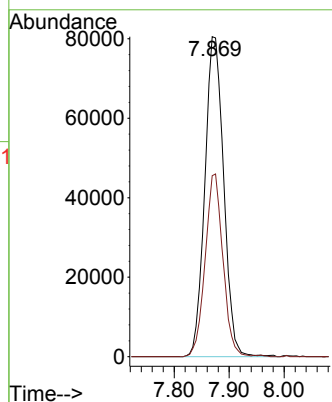
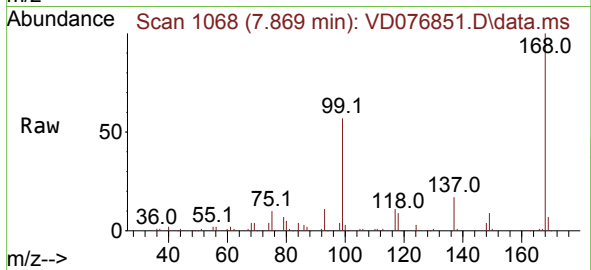
DEL-2-RP

Tgt Ion:168 Resp: 191770

Ion Ratio Lower Upper

168 100

99 56.5 36.7 55.1#



#13

Acrolein

Concen: 1.421 ug/l

RT: 3.787 min Scan# 374

Delta R.T. -0.006 min

Lab File: VD076851.D

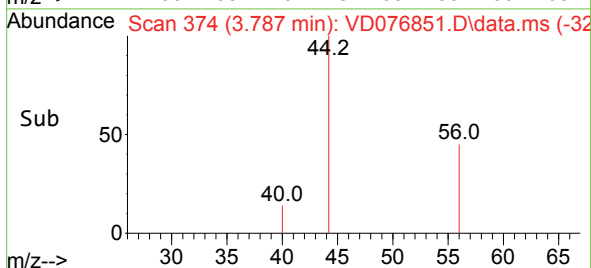
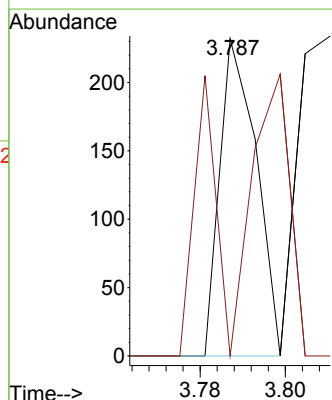
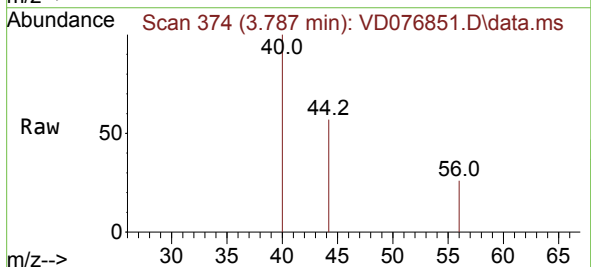
Acq: 28 Jul 2023 13:29

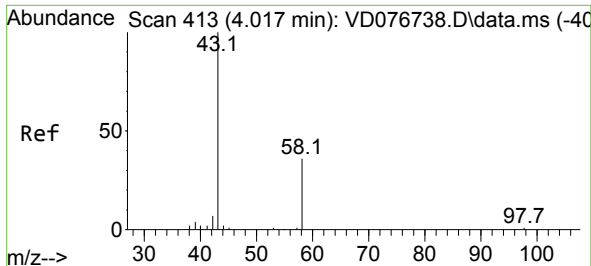
Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 52.2 55.1 82.7#





#16

Acetone

Concen: 61.142 ug/l

RT: 4.022 min Scan# 41

Delta R.T. 0.005 min

Lab File: VD076851.D

Acq: 28 Jul 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

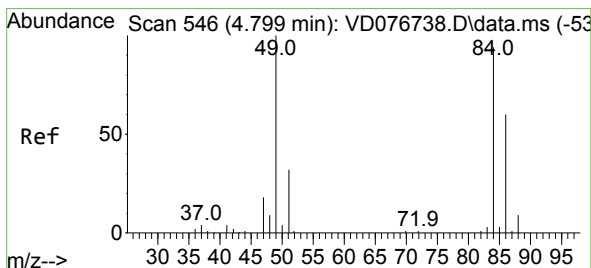
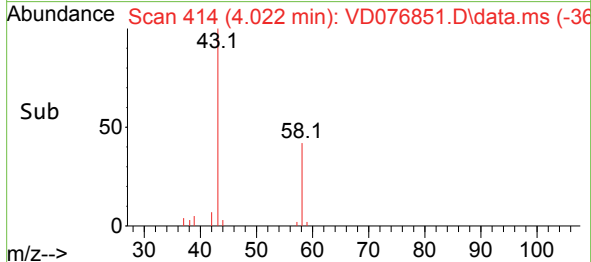
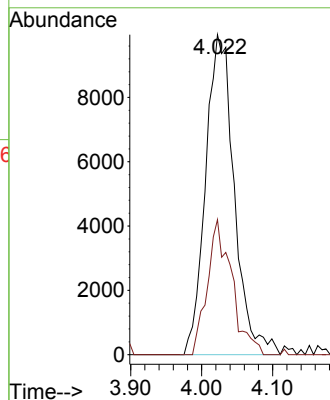
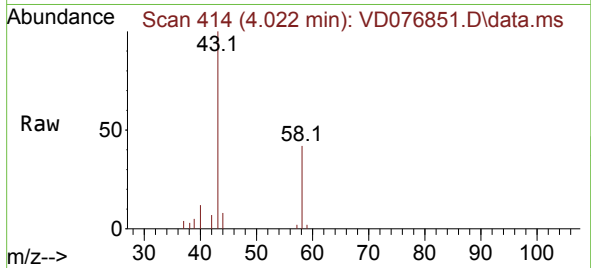
DEL-2-RP

Tgt Ion: 43 Resp: 27891

Ion Ratio Lower Upper

43 100

58 42.2 34.7 52.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD076851.D

Acq: 28 Jul 2023 13:29

Tgt Ion: 84 Resp: 20911

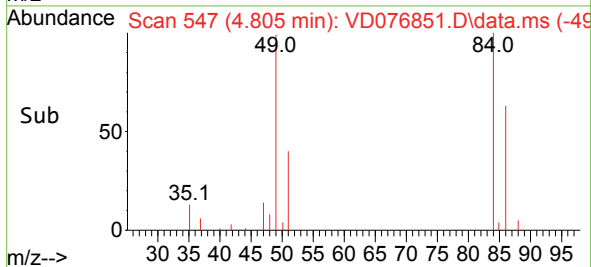
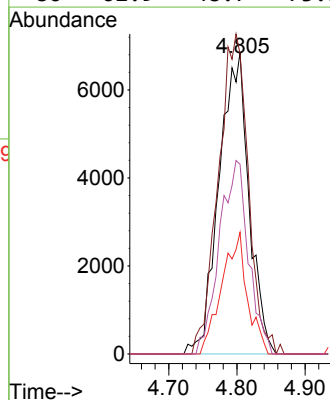
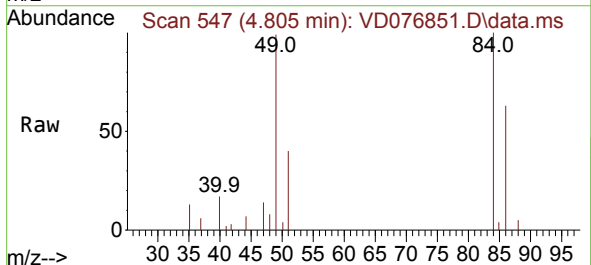
Ion Ratio Lower Upper

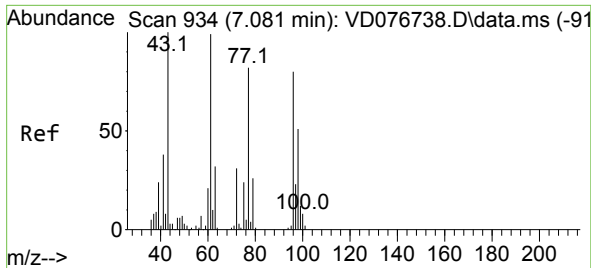
84 100

49 99.4 71.4 107.2

51 40.3 24.5 36.7#

86 62.9 48.7 73.1

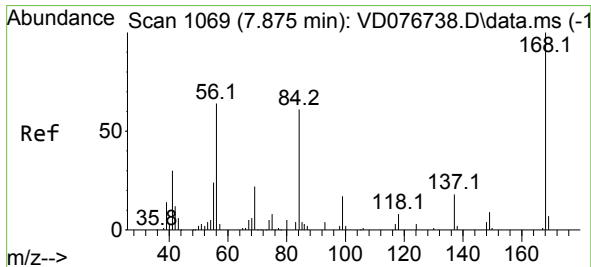
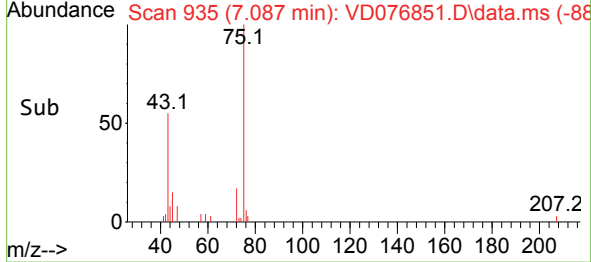
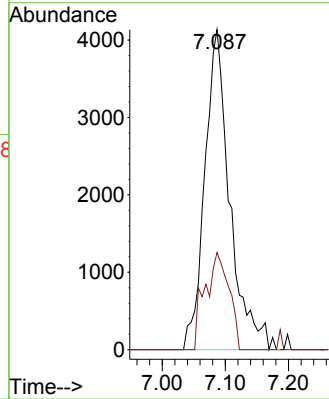
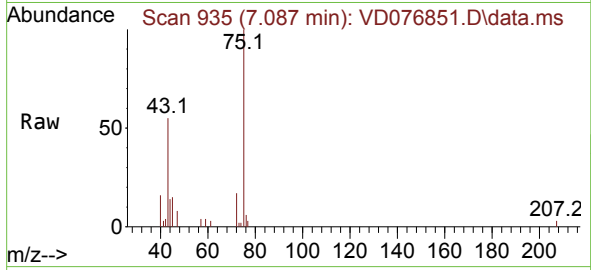




#25
2-Butanone
Concen: 18.642 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

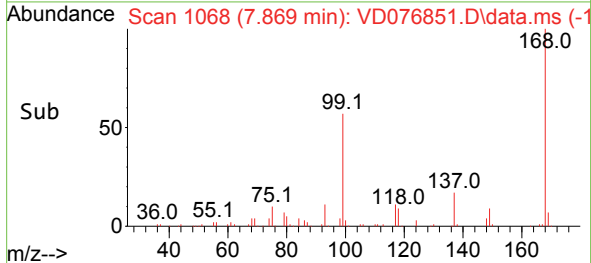
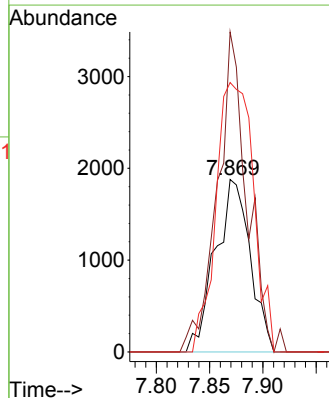
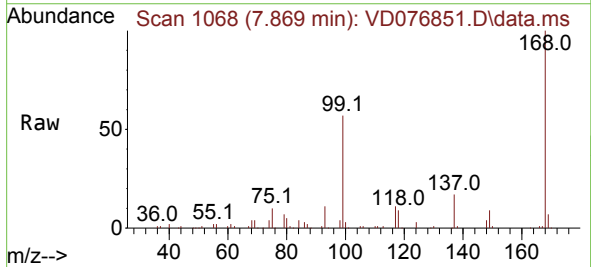
Instrument :
MSVOA_D
ClientSampleId :
DEL-2-RP

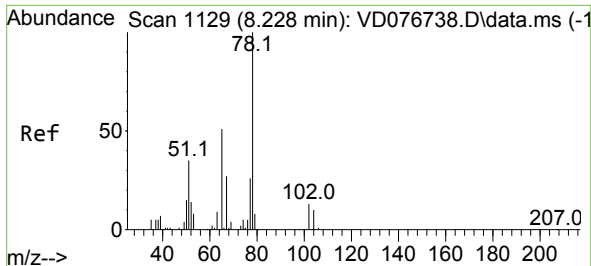
Tgt Ion: 43 Resp: 11381
Ion Ratio Lower Upper
43 100
72 30.3 30.7 46.1#



#31
Cyclohexane
Concen: 1.518 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

Tgt Ion: 56 Resp: 4268
Ion Ratio Lower Upper
56 100
69 185.5 28.6 43.0#
84 156.2 84.8 127.2#

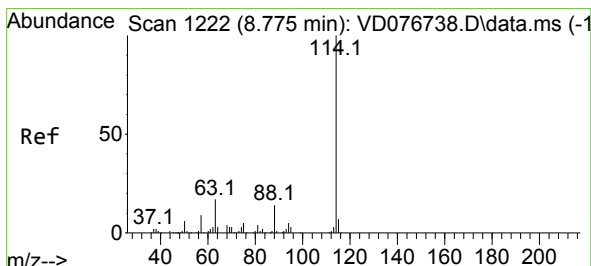
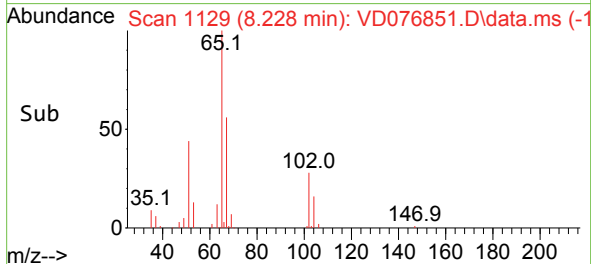
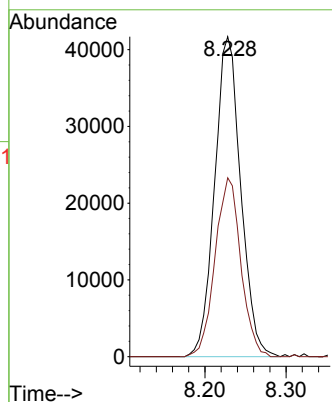
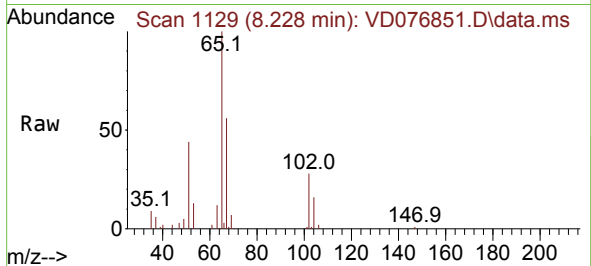




#33
1,2-Dichloroethane-d4
Concen: 48.773 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

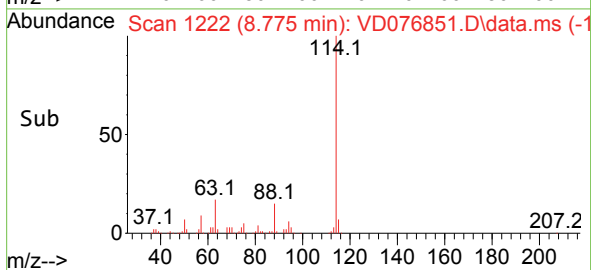
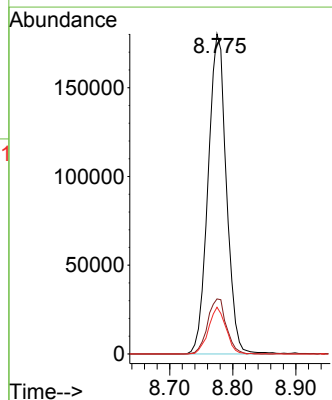
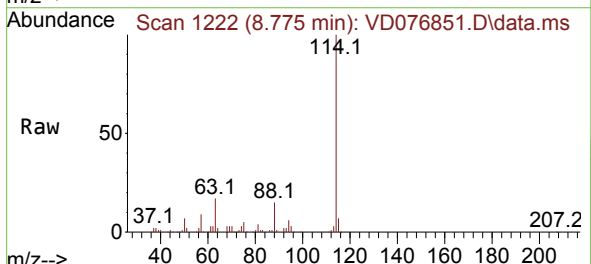
Instrument :
MSVOA_D
ClientSampleId :
DEL-2-RP

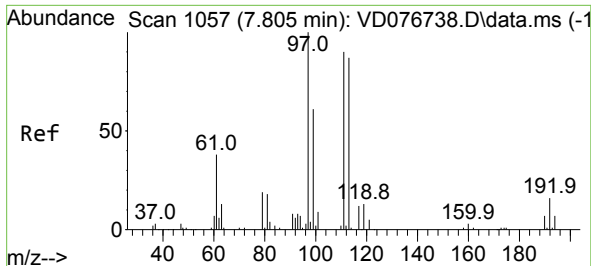
Tgt Ion: 65 Resp: 93160
Ion Ratio Lower Upper
65 100
67 55.1 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

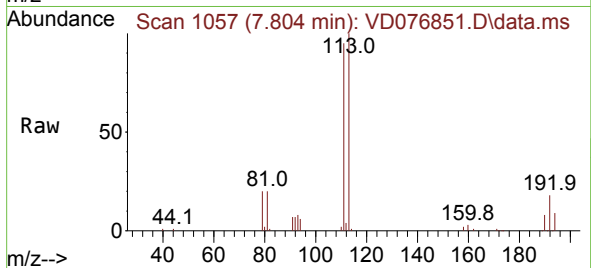
Tgt Ion:114 Resp: 362259
Ion Ratio Lower Upper
114 100
63 17.2 0.0 33.4
88 14.6 0.0 26.2



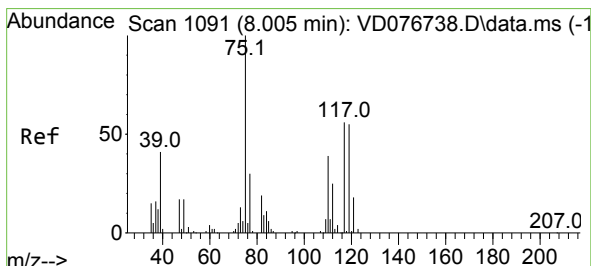
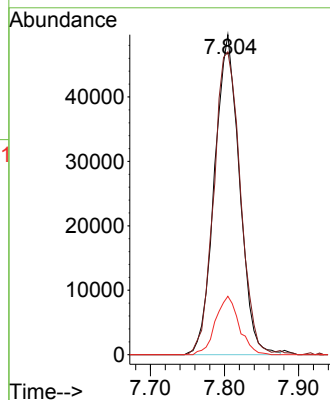
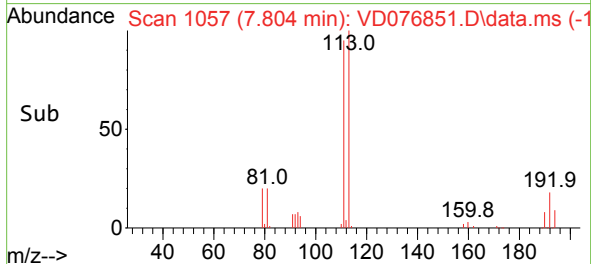


#35
Dibromofluoromethane
Concen: 50.984 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

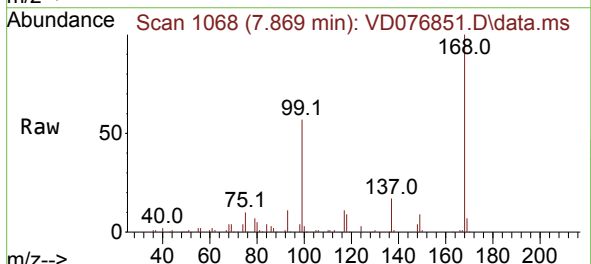
Instrument :
MSVOA_D
ClientSampleId :
DEL-2-RP



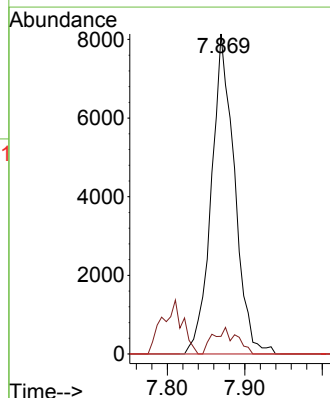
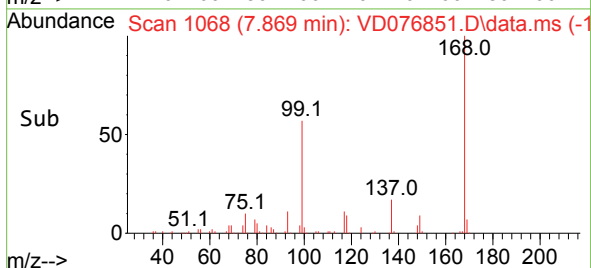
Tgt Ion:113 Resp: 116063
Ion Ratio Lower Upper
113 100
111 101.1 84.7 127.1
192 17.3 16.8 25.2

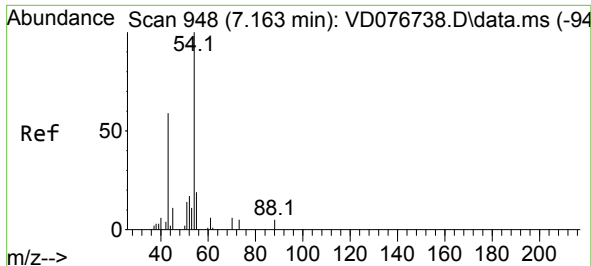


#36
1,1-Dichloropropene
Concen: 5.672 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29



Tgt Ion: 75 Resp: 16874
Ion Ratio Lower Upper
75 100
110 8.3 19.9 59.6#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 8.555 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.076 min

Lab File: VD076851.D

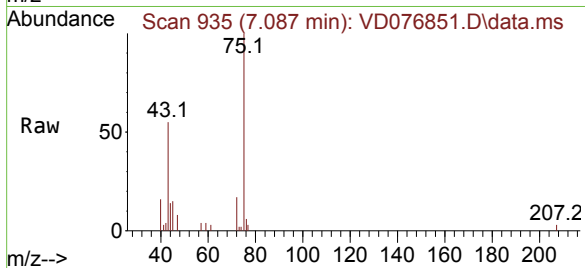
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Instrument :

MSVOA_D

ClientSampleId :

DEL-2-RP



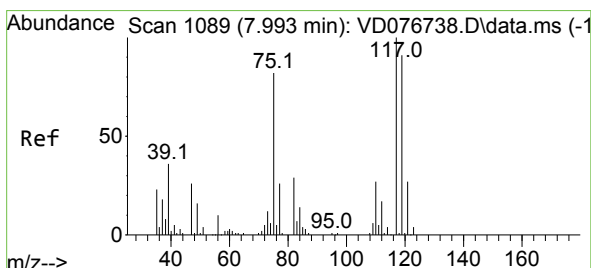
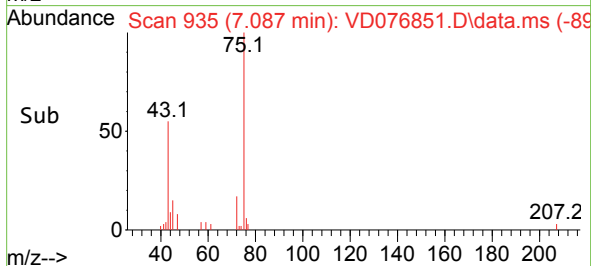
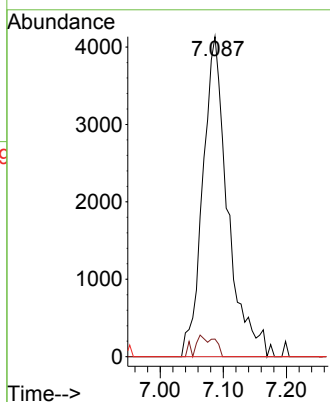
Tgt Ion: 43 Resp: 11381

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 6.713 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076851.D

Acq: 28 Jul 2023 13:29

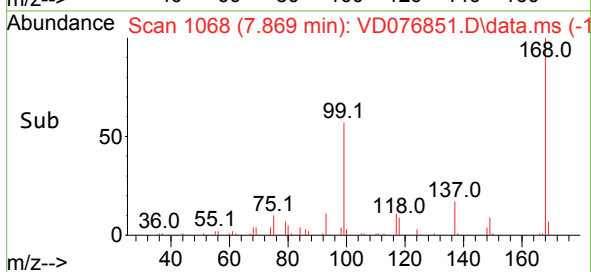
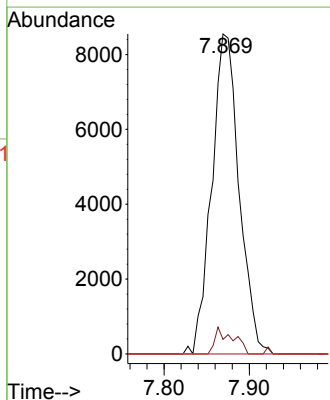
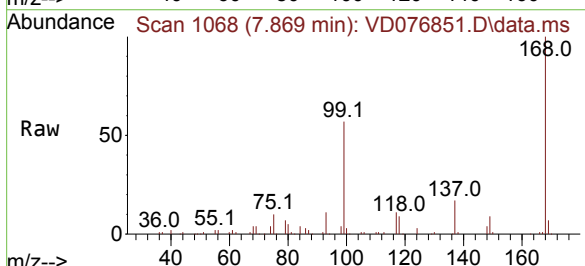
Tgt Ion: 117 Resp: 19120

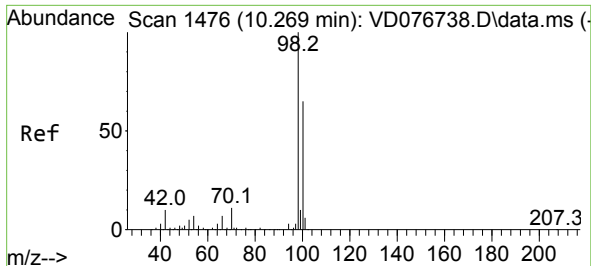
Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

121 0.0 24.2 36.2#

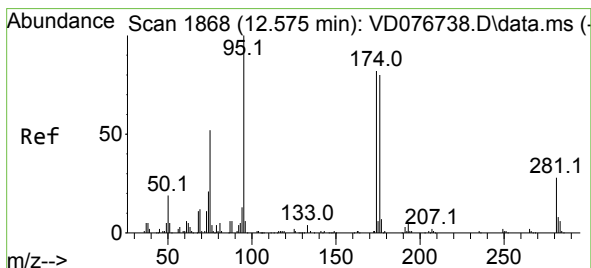
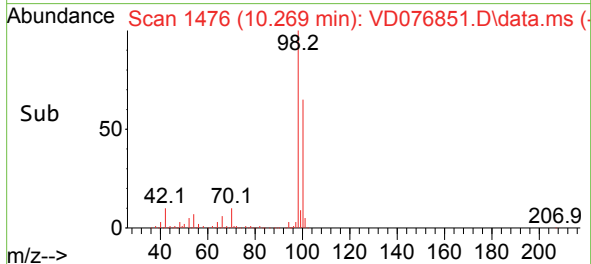
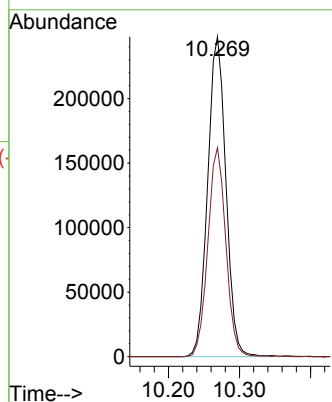
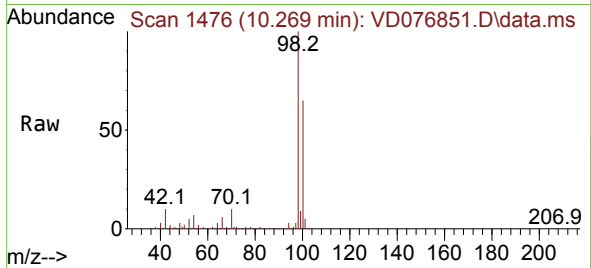




#50
Toluene-d8
Concen: 54.326 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

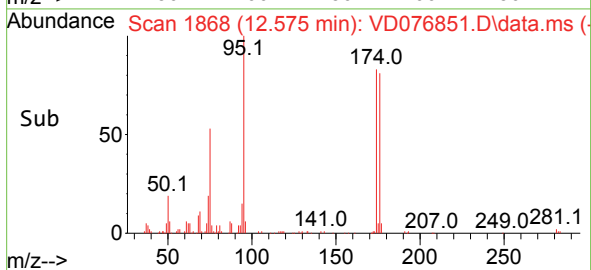
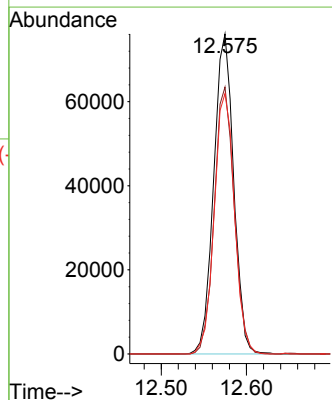
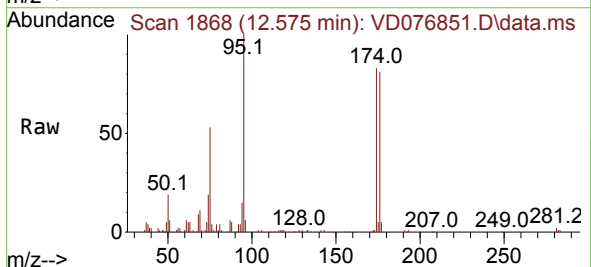
Instrument :
MSVOA_D
ClientSampleId :
DEL-2-RP

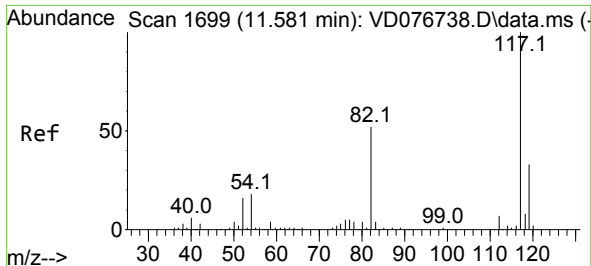
Tgt Ion: 98 Resp: 442421
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 46.956 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

Tgt Ion: 95 Resp: 123706
Ion Ratio Lower Upper
95 100
174 83.4 0.0 201.8
176 82.4 0.0 191.8

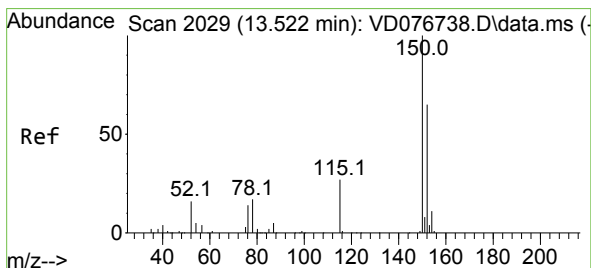
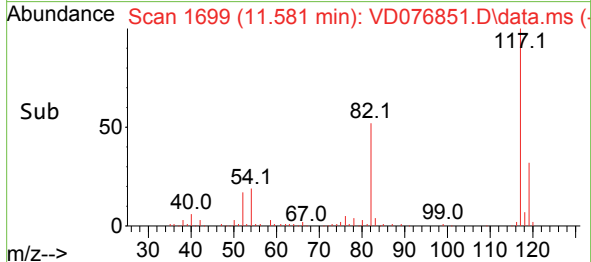
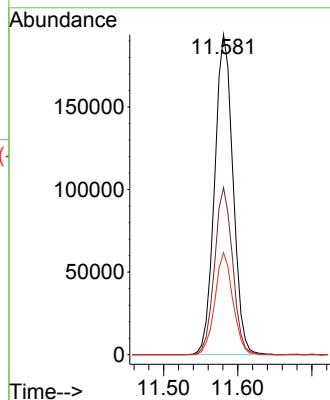
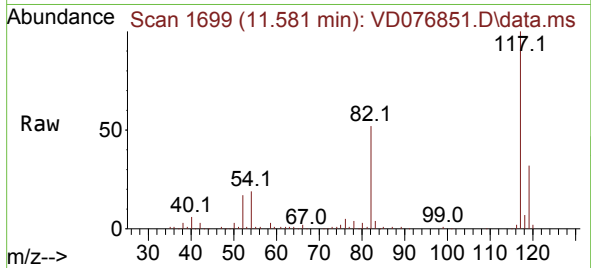




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

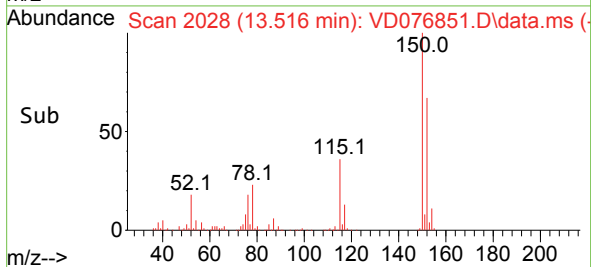
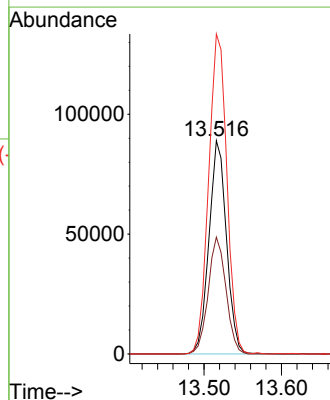
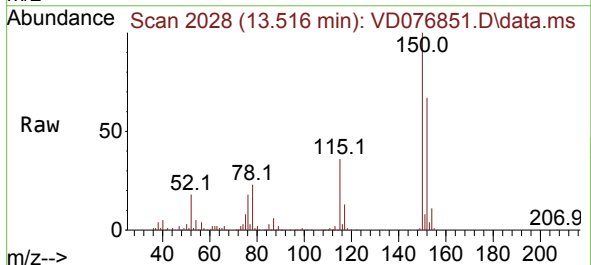
Instrument :
MSVOA_D
ClientSampleId :
DEL-2-RP

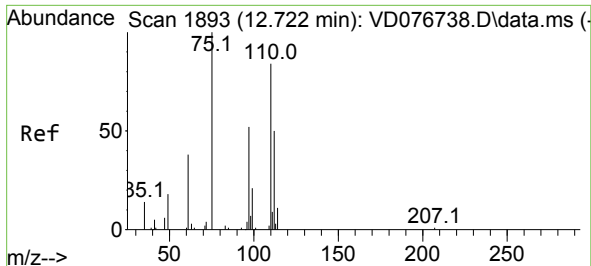
Tgt Ion:117 Resp: 333659
Ion Ratio Lower Upper
117 100
82 52.2 38.3 57.5
119 31.9 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

Tgt Ion:152 Resp: 139980
Ion Ratio Lower Upper
152 100
115 55.6 27.1 81.3
150 155.6 0.0 353.6

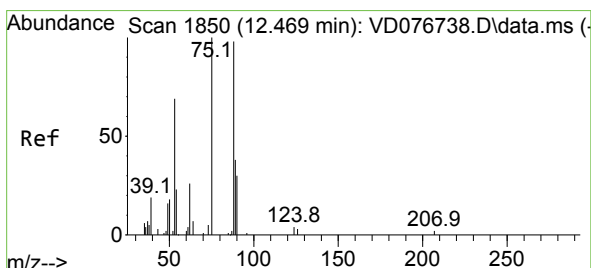
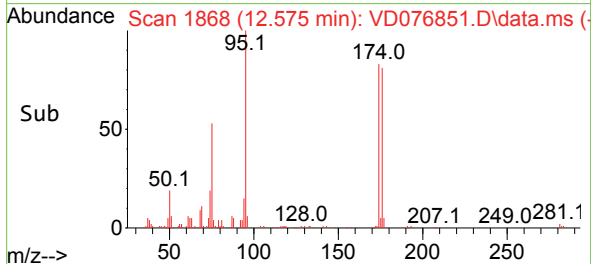
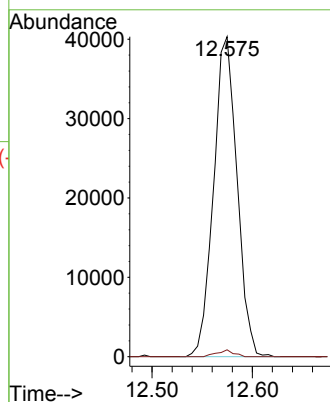
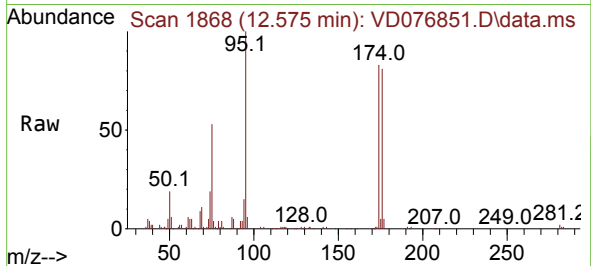




#76
1,2,3-Trichloropropane
Concen: 49.068 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

Instrument :
MSVOA_D
ClientSampleId :
DEL-2-RP

Tgt Ion: 75 Resp: 65319
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.429 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076851.D
Acq: 28 Jul 2023 13:29

Tgt Ion: 75 Resp: 65319
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

