

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075691.D
 Acq On : 14 Apr 2023 21:06
 Operator : KP/SY
 Sample : 02347-04
 Misc : 4.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20230295-26-1

Quant Time: Apr 17 09:17:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

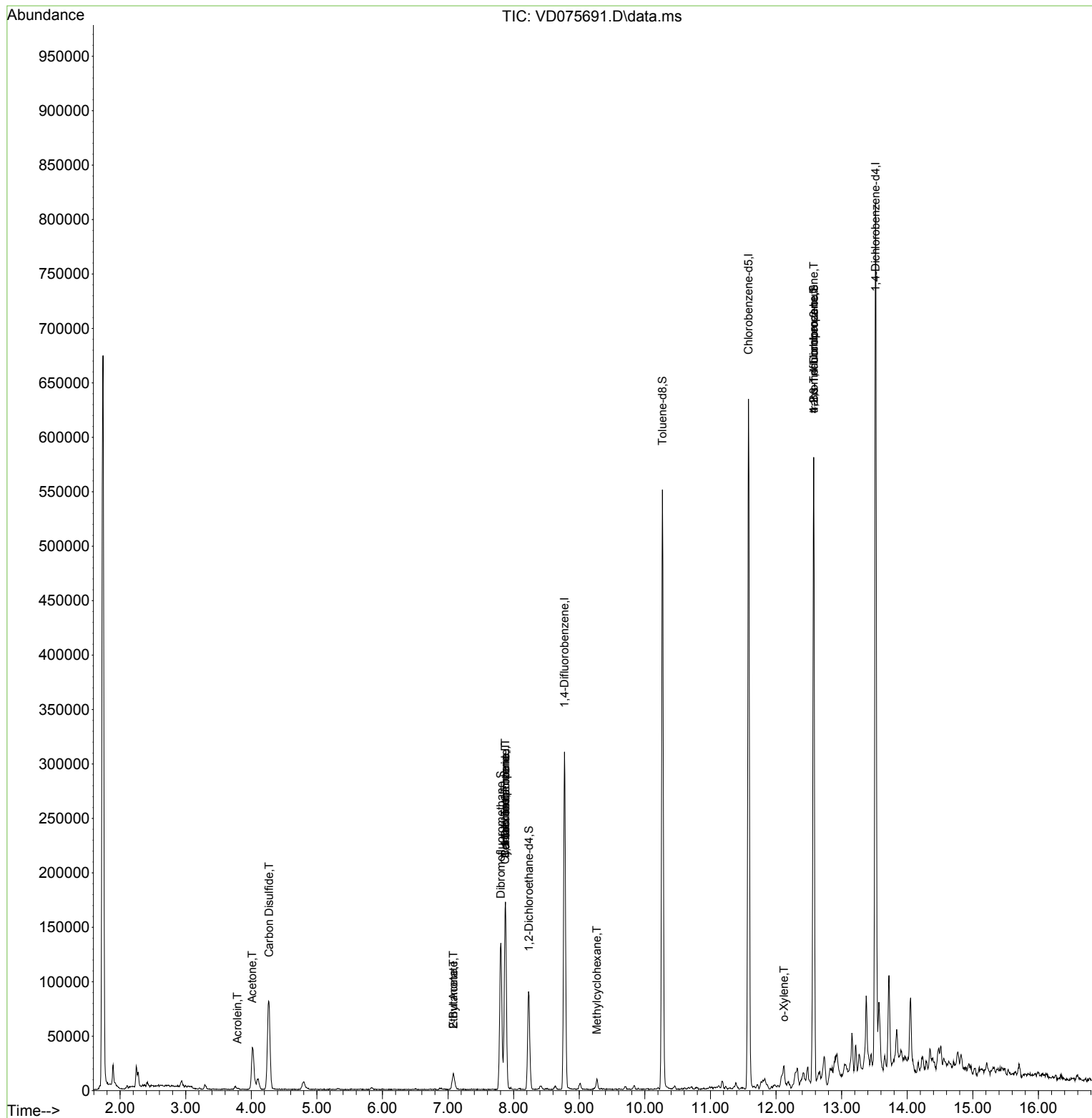
Internal Standards						
1) Pentafluorobenzene	7.875	168	137127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	299941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	392530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	239567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68536	52.655	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.320%	
35) Dibromofluoromethane	7.804	113	100088	49.612	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.220%	
50) Toluene-d8	10.269	98	402614	49.836	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.680%	
62) 4-Bromofluorobenzene	12.575	95	172879	80.509	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 161.020%#	
Target Compounds						
					Qvalue	
13) Acrolein	3.787	56	610	4.630	ug/l #	16
16) Acetone	4.016	43	62410	261.729	ug/l #	81
17) Carbon Disulfide	4.269	76	183103	36.430	ug/l	95
20) Methylene Chloride	4.799	84	6375	Below Cal	#	75
25) 2-Butanone	7.081	43	18205	59.296	ug/l #	73
31) Cyclohexane	7.869	56	4257	2.084	ug/l #	35
36) 1,1-Dichloropropene	7.875	75	9082	3.263	ug/l #	49
37) Ethyl Acetate	7.081	43	18205	21.494	ug/l #	80
38) Carbon Tetrachloride	7.875	117	12675	5.172	ug/l #	17
39) Methylcyclohexane	9.269	83	3306	1.027	ug/l #	86
69) o-Xylene	12.122	106	5067	1.002	ug/l	94
76) 1,2,3-Trichloropropane	12.575	75	85640	43.836	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	85640	95.010	ug/l #	5

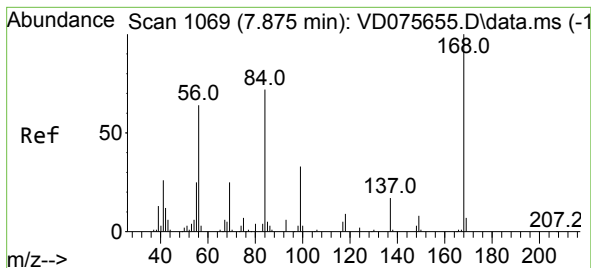
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD075691.D

Acq: 14 Apr 2023 21:06

Instrument :

MSVOA_D

ClientSampleId :

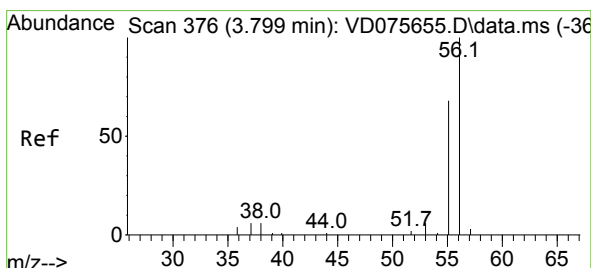
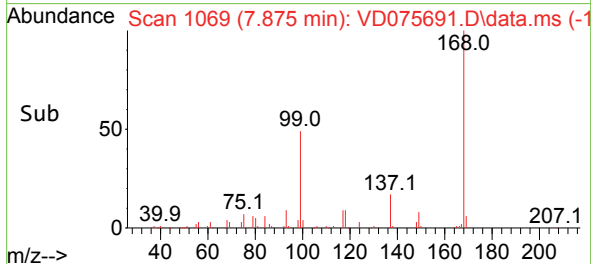
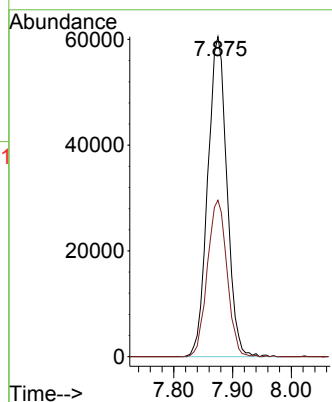
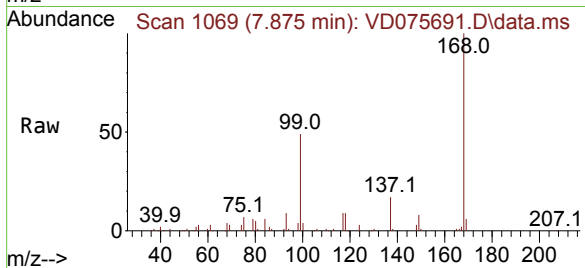
20230295-26-1

Tgt Ion:168 Resp: 137127

Ion Ratio Lower Upper

168 100

99 48.9 43.8 65.6



#13

Acrolein

Concen: 4.630 ug/l

RT: 3.787 min Scan# 374

Delta R.T. -0.012 min

Lab File: VD075691.D

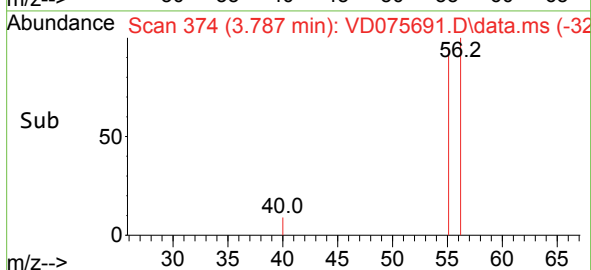
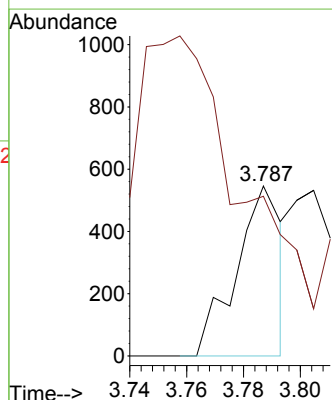
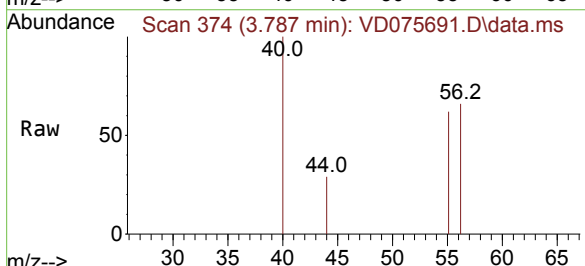
Acq: 14 Apr 2023 21:06

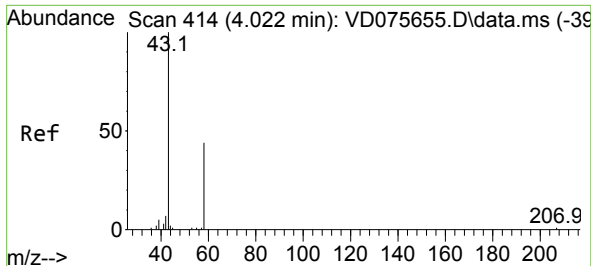
Tgt Ion: 56 Resp: 610

Ion Ratio Lower Upper

56 100

55 0.0 53.9 80.9#

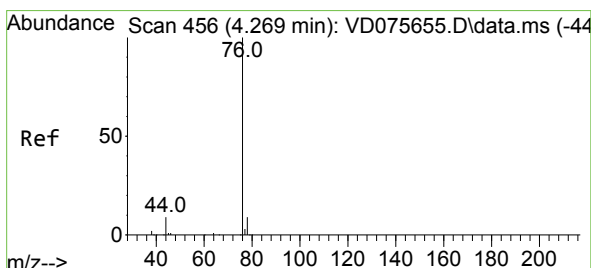
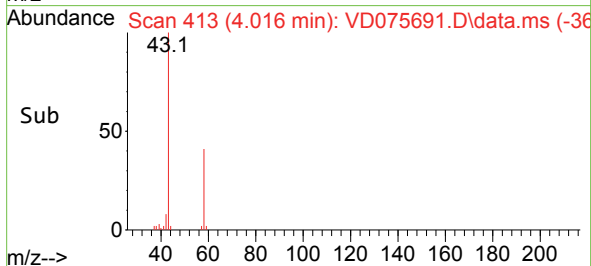
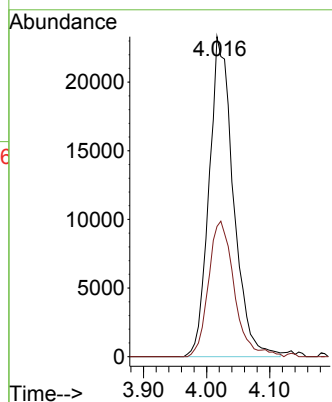
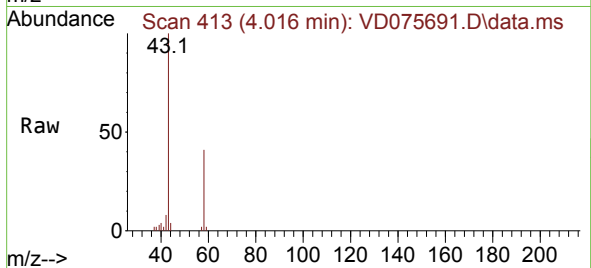




#16
Acetone
Concen: 261.729 ug/l
RT: 4.016 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD075691.D
Acq: 14 Apr 2023 21:06

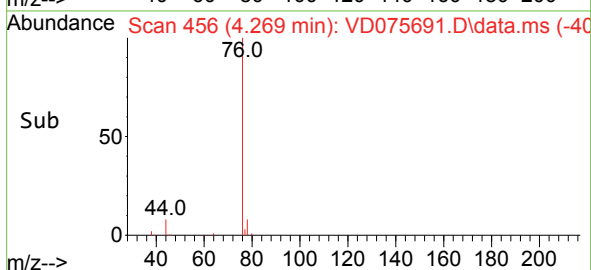
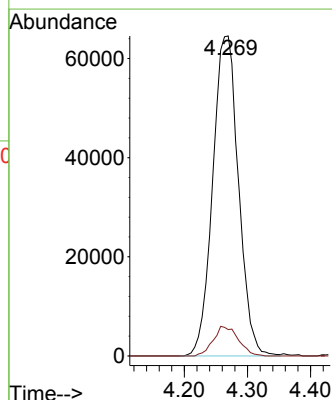
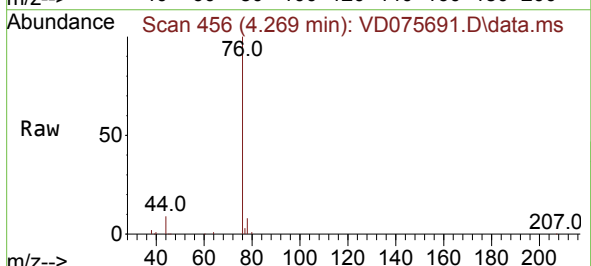
Instrument :
MSVOA_D
ClientSampleId :
20230295-26-1

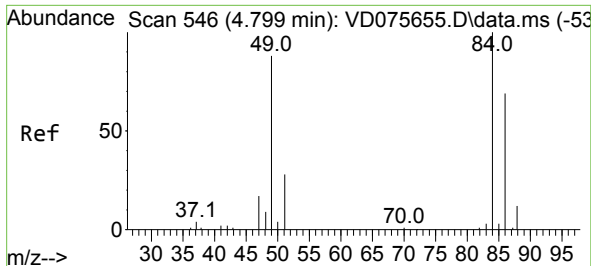
Tgt Ion: 43 Resp: 62410
Ion Ratio Lower Upper
43 100
58 40.7 24.4 36.6#



#17
Carbon Disulfide
Concen: 36.430 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD075691.D
Acq: 14 Apr 2023 21:06

Tgt Ion: 76 Resp: 183103
Ion Ratio Lower Upper
76 100
78 8.3 8.0 12.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD075691.D

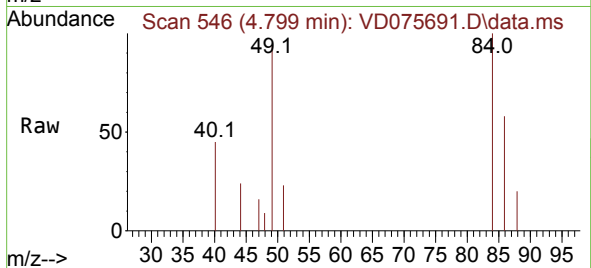
Acq: 14 Apr 2023 21:06

Instrument :

MSVOA_D

ClientSampleId :

20230295-26-1



Tgt Ion: 84 Resp: 6375

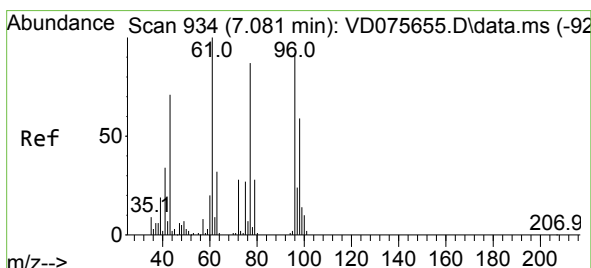
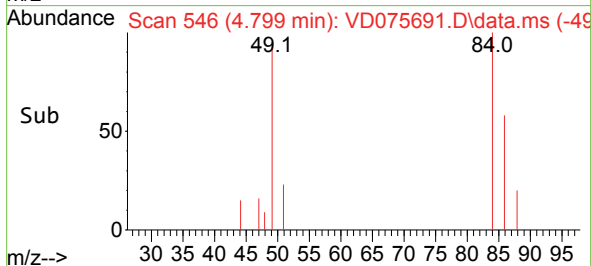
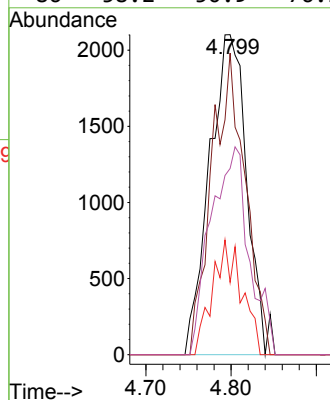
Ion Ratio Lower Upper

84 100

49 94.2 106.4 159.6#

51 22.6 32.4 48.6#

86 58.2 50.9 76.3



#25

2-Butanone

Concen: 59.296 ug/l

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD075691.D

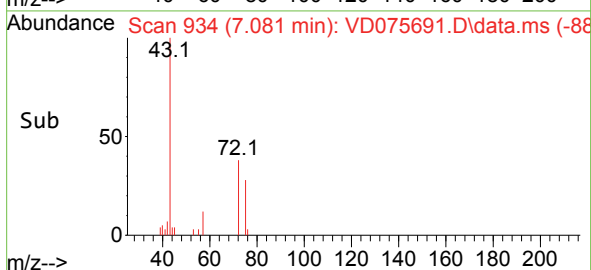
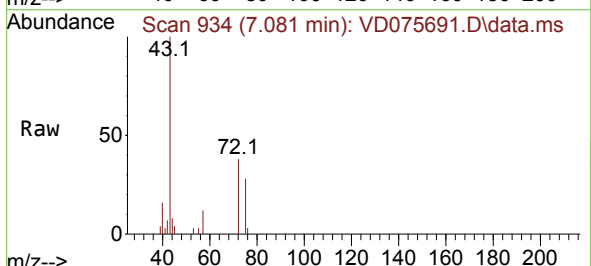
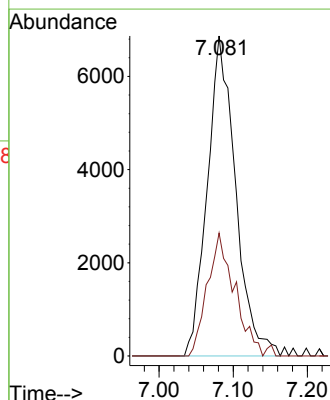
Acq: 14 Apr 2023 21:06

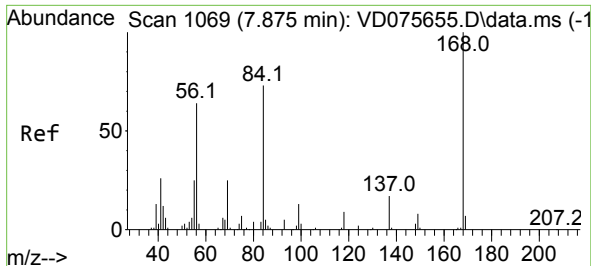
Tgt Ion: 43 Resp: 18205

Ion Ratio Lower Upper

43 100

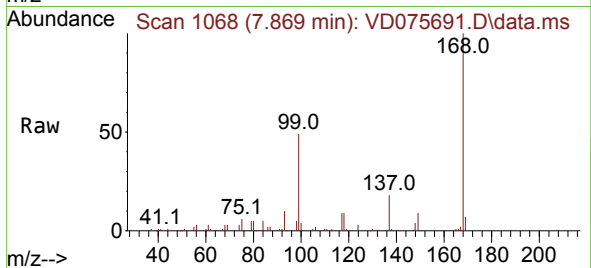
72 38.4 19.8 29.8#



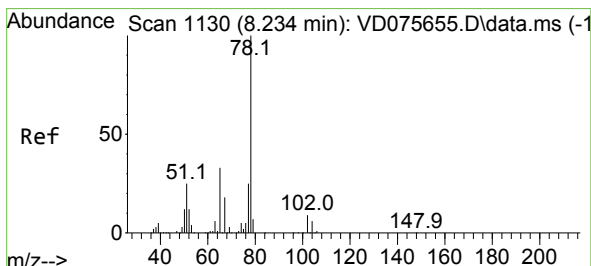
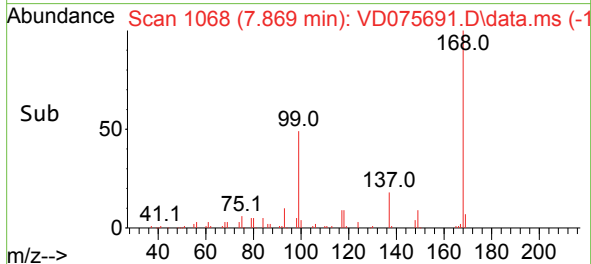
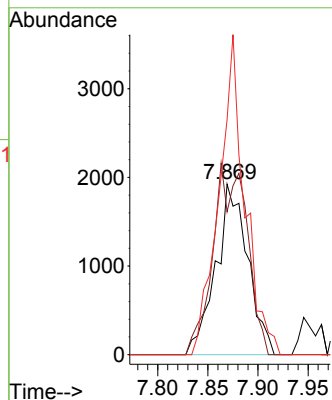


#31
Cyclohexane
Concen: 2.084 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD075691.D
Acq: 14 Apr 2023 21:06

Instrument :
MSVOA_D
ClientSampleId :
20230295-26-1

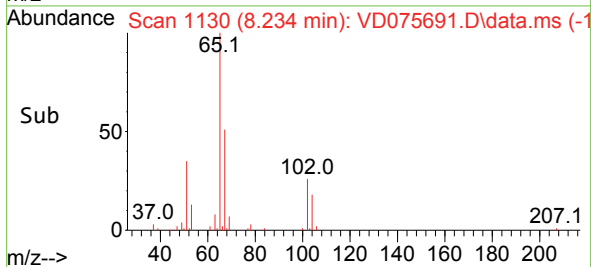
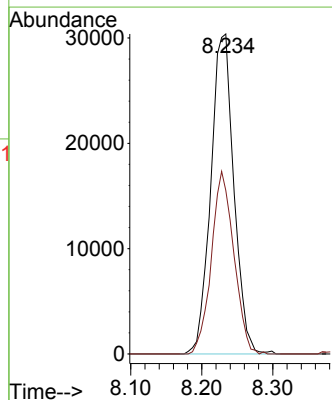
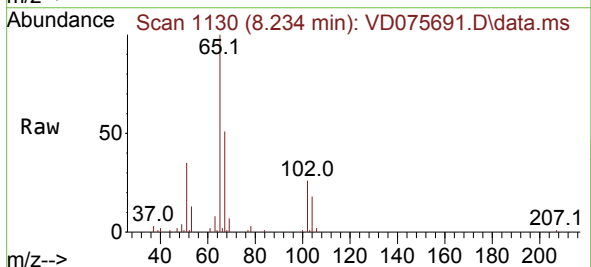


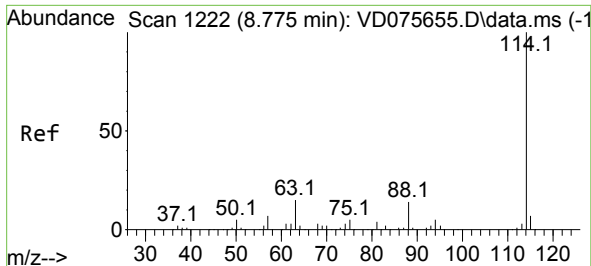
Tgt Ion: 56 Resp: 4257
Ion Ratio Lower Upper
56 100
69 83.8 25.5 38.3#
84 137.8 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 52.655 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075691.D
Acq: 14 Apr 2023 21:06

Tgt Ion: 65 Resp: 68536
Ion Ratio Lower Upper
65 100
67 55.5 0.0 102.2

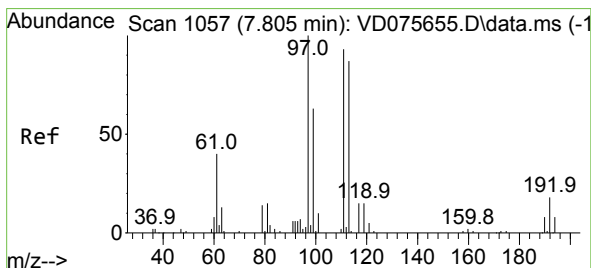
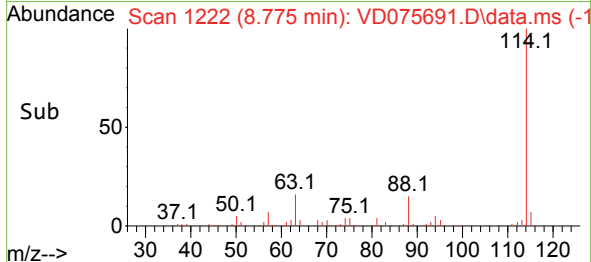
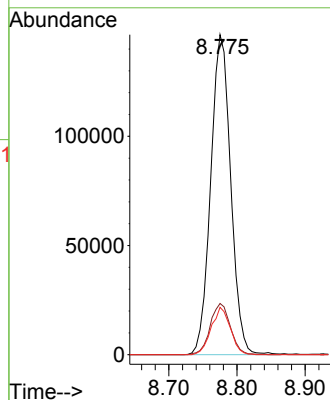
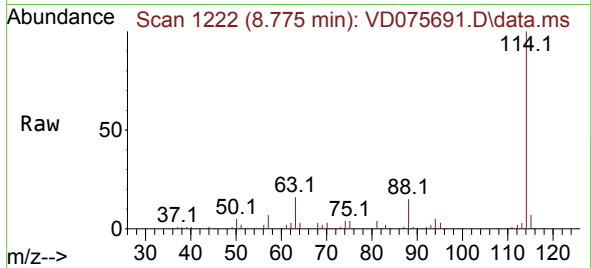




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VD075691.D
 Acq: 14 Apr 2023 21:06

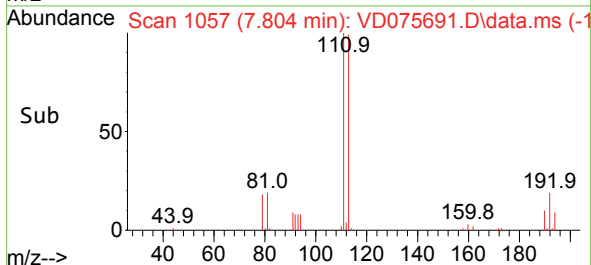
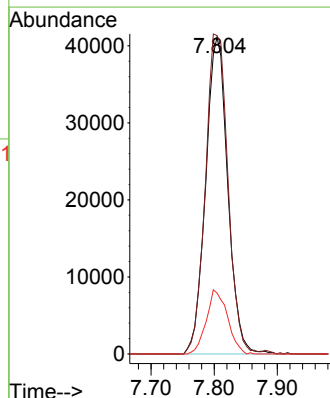
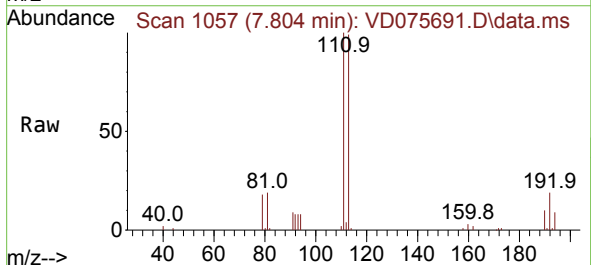
Instrument :
 MSVOA_D
 ClientSampleId :
 20230295-26-1

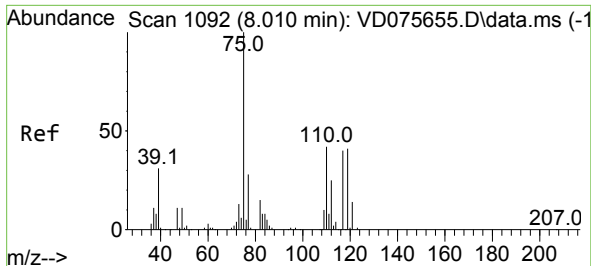
Tgt Ion:114 Resp: 299941
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 41.6
 88 14.8 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 49.612 ug/l
 RT: 7.804 min Scan# 1057
 Delta R.T. -0.001 min
 Lab File: VD075691.D
 Acq: 14 Apr 2023 21:06

Tgt Ion:113 Resp: 100088
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.4 122.0
 192 19.4 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.263 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.135 min

Lab File: VD075691.D

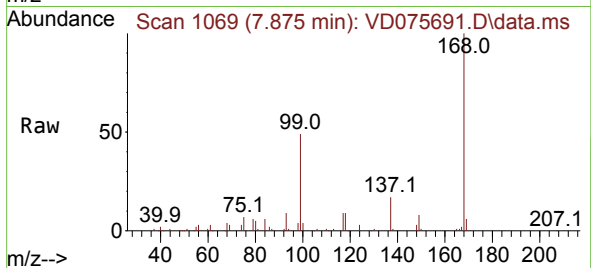
Acq: 14 Apr 2023 21:06

Instrument :

MSVOA_D

ClientSampleId :

20230295-26-1



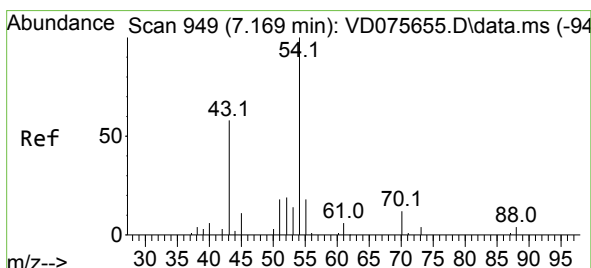
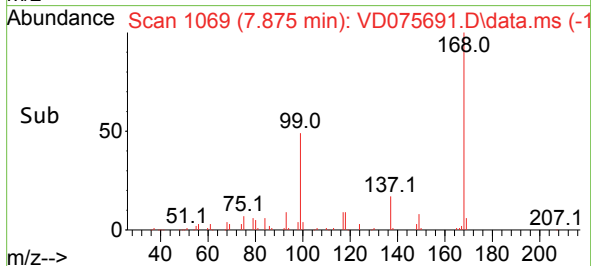
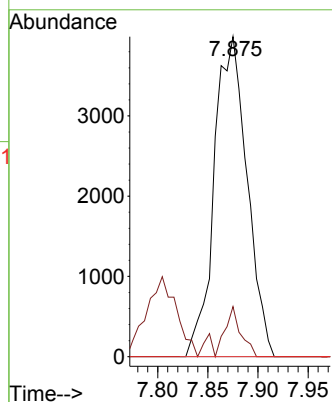
Tgt Ion: 75 Resp: 9082

Ion Ratio Lower Upper

75 100

110 7.5 17.1 51.2#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 21.494 ug/l

RT: 7.081 min Scan# 934

Delta R.T. -0.088 min

Lab File: VD075691.D

Acq: 14 Apr 2023 21:06

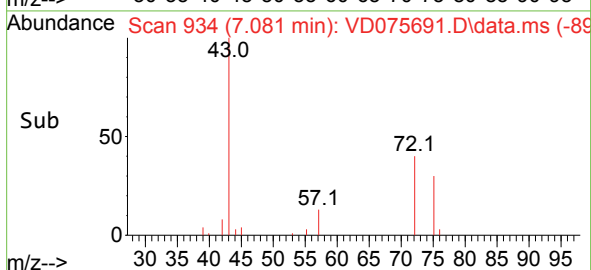
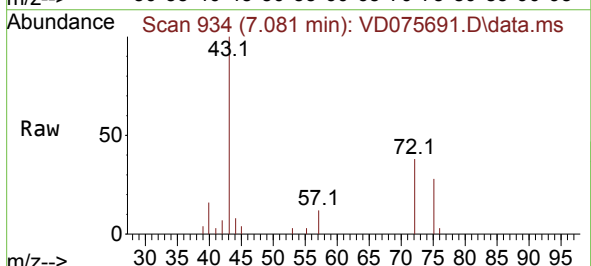
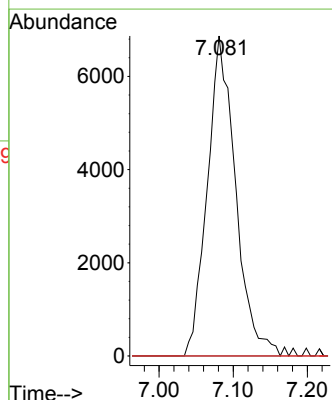
Tgt Ion: 43 Resp: 18205

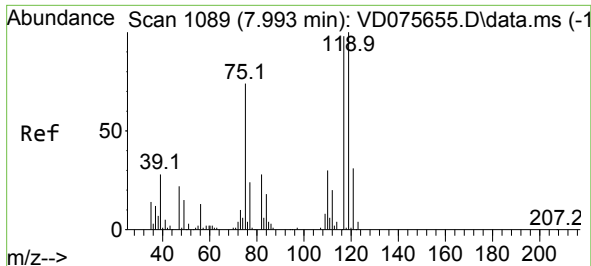
Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

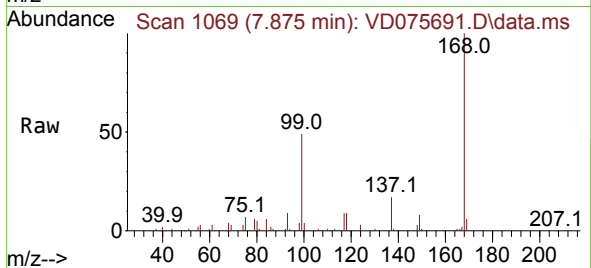
70 0.0 5.6 8.4#



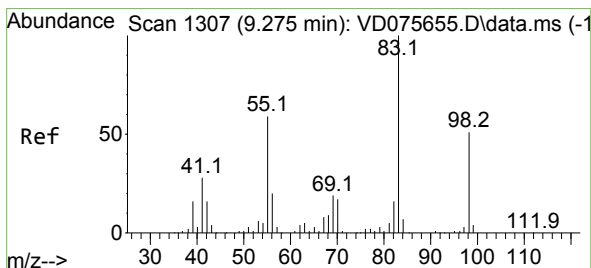
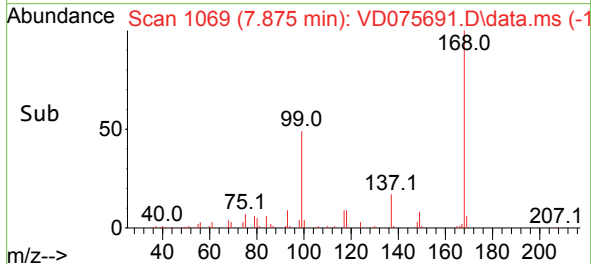
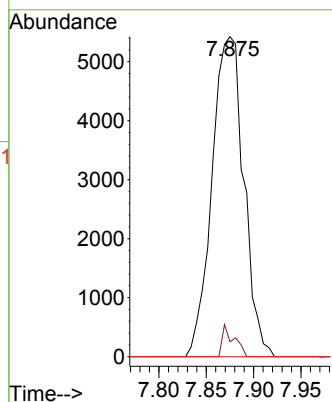


#38
Carbon Tetrachloride
Concen: 5.172 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075691.D
Acq: 14 Apr 2023 21:06

Instrument :
MSVOA_D
ClientSampleId :
20230295-26-1

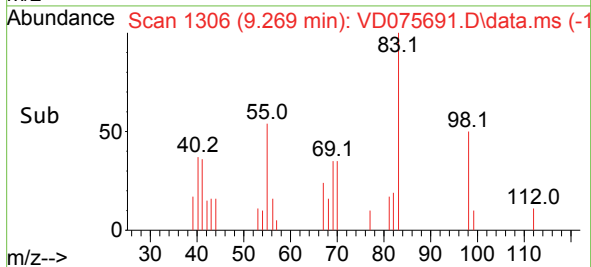
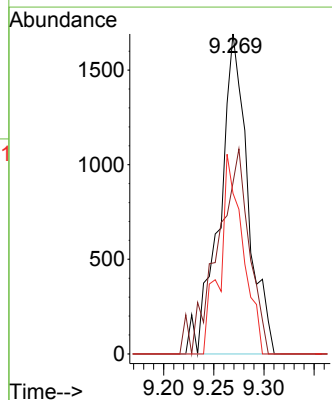
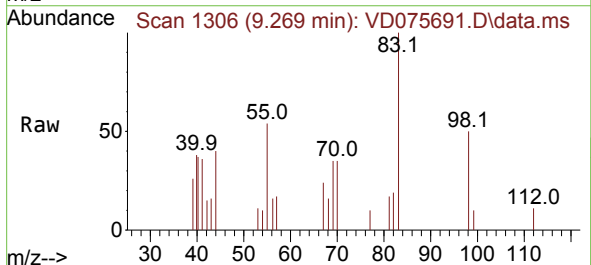


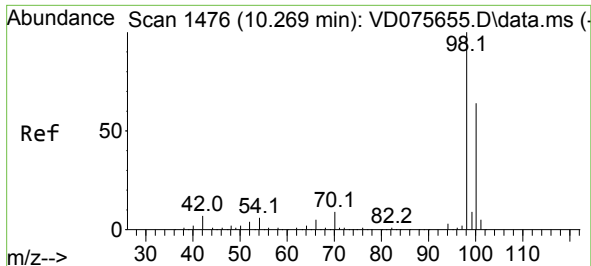
Tgt Ion: 117 Resp: 12675
Ion Ratio Lower Upper
117 100
119 4.6 74.7 112.1#
121 0.0 25.9 38.9#



#39
Methylcyclohexane
Concen: 1.027 ug/l
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD075691.D
Acq: 14 Apr 2023 21:06

Tgt Ion: 83 Resp: 3306
Ion Ratio Lower Upper
83 100
55 53.5 56.8 85.2#
98 50.2 38.9 58.3

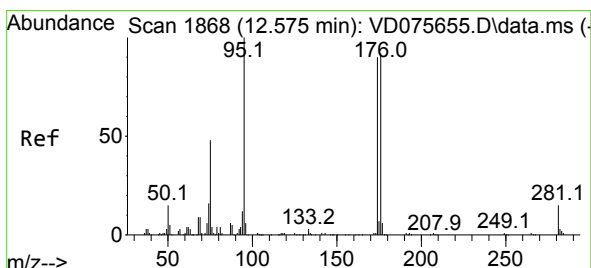
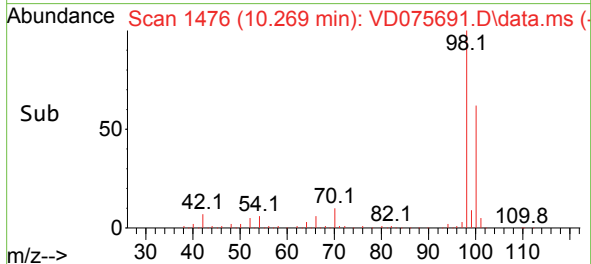
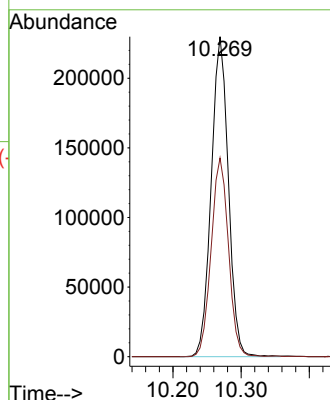
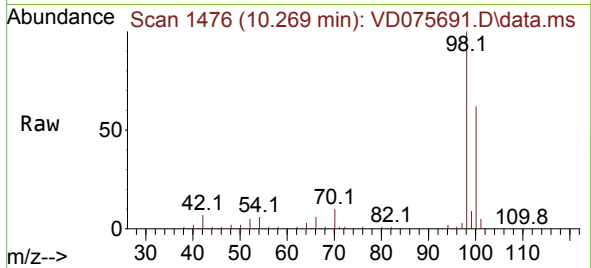




#50
Toluene-d8
Concen: 49.836 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075691.D
Acq: 14 Apr 2023 21:06

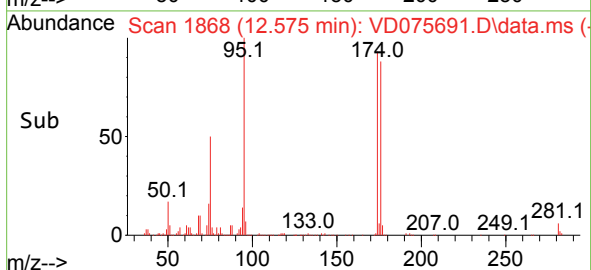
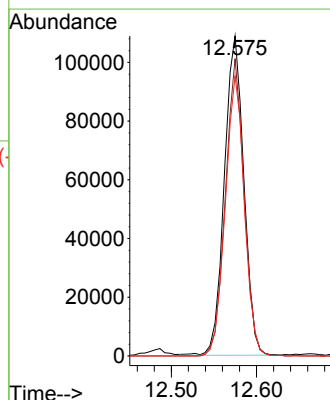
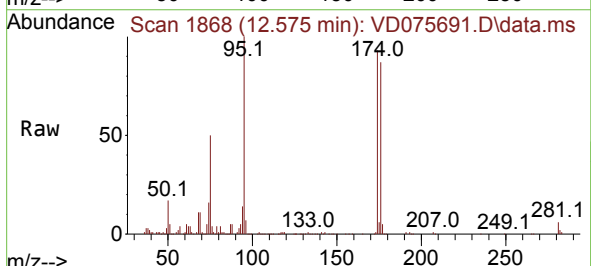
Instrument :
MSVOA_D
ClientSampleId :
20230295-26-1

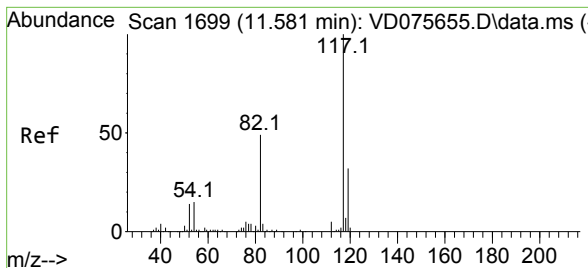
Tgt Ion: 98 Resp: 402614
Ion Ratio Lower Upper
98 100
100 62.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 80.509 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075691.D
Acq: 14 Apr 2023 21:06

Tgt Ion: 95 Resp: 172879
Ion Ratio Lower Upper
95 100
174 89.5 0.0 164.0
176 85.9 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VD075691.D

Acq: 14 Apr 2023 21:06

Instrument :

MSVOA_D

ClientSampleId :

20230295-26-1

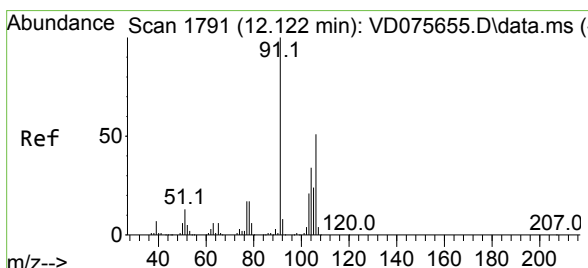
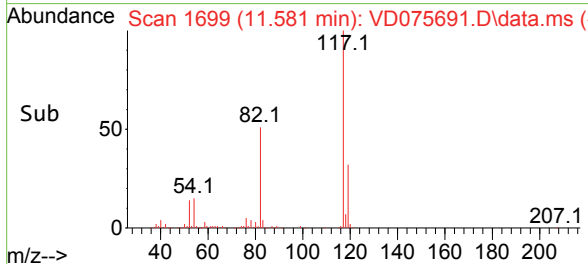
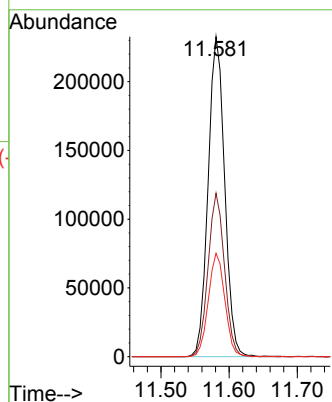
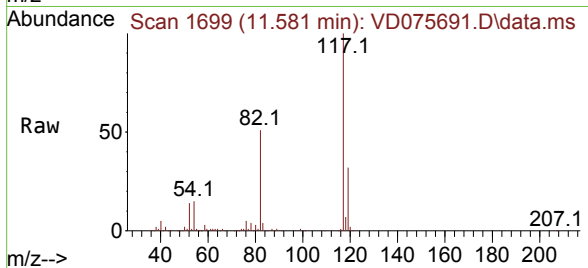
Tgt Ion:117 Resp: 392530

Ion Ratio Lower Upper

117 100

82 51.0 44.0 66.0

119 32.3 25.1 37.7



#69

o-Xylene

Concen: 1.002 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD075691.D

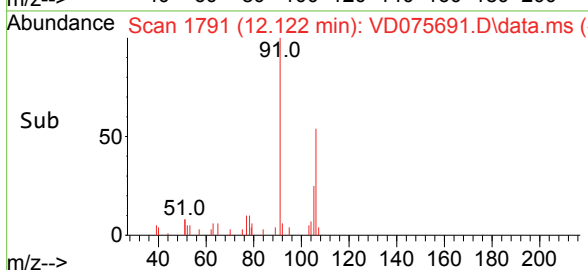
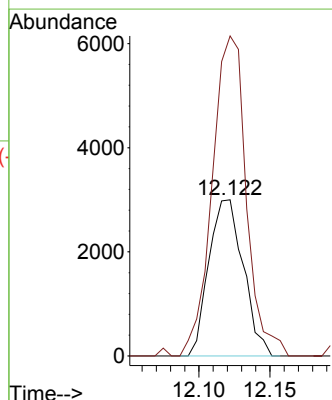
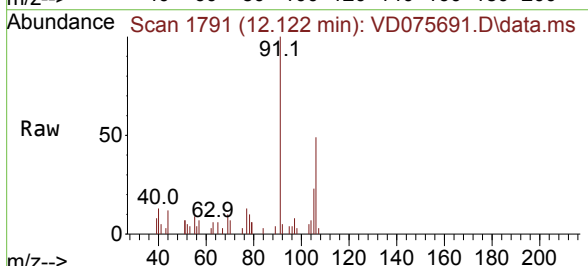
Acq: 14 Apr 2023 21:06

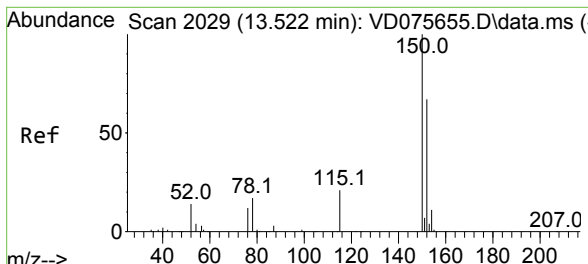
Tgt Ion:106 Resp: 5067

Ion Ratio Lower Upper

106 100

91 202.7 105.7 317.1

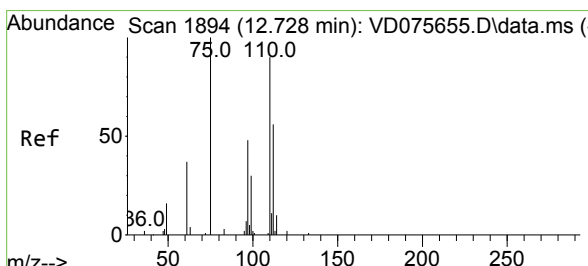
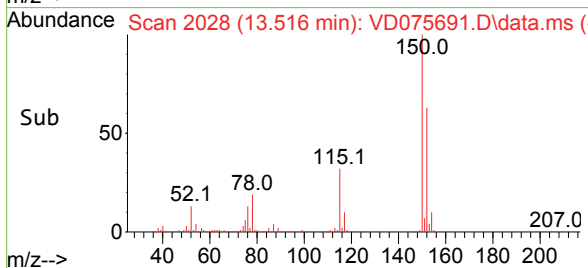
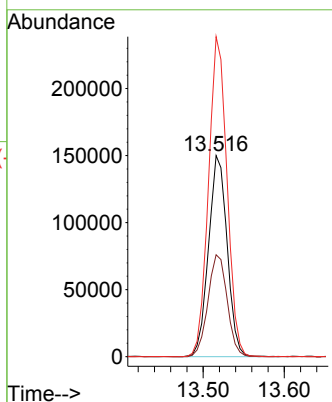
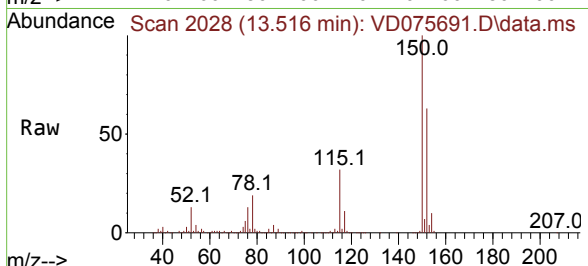




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD075691.D
 Acq: 14 Apr 2023 21:06

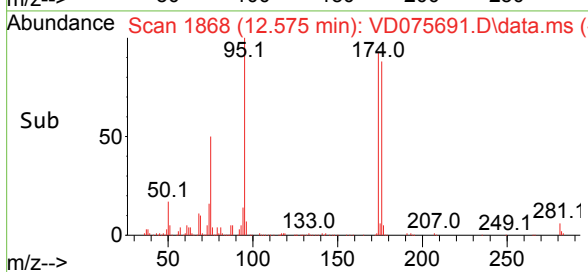
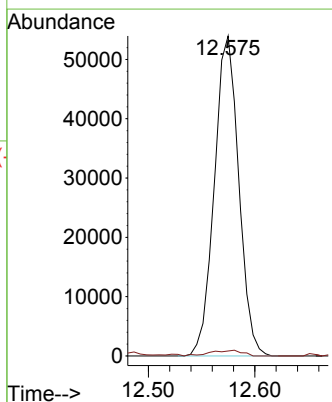
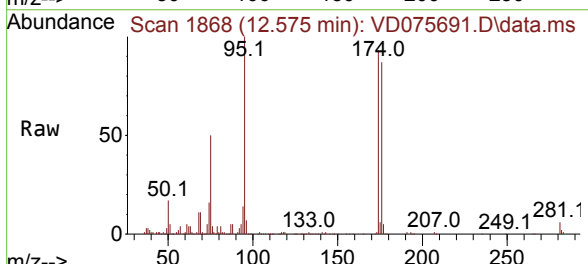
Instrument :
 MSVOA_D
 ClientSampleId :
 20230295-26-1

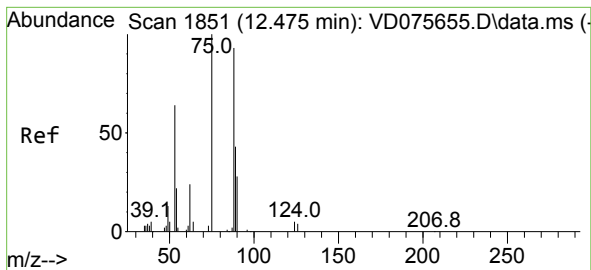
Tgt Ion:	152	Resp:	239567
Ion	Ratio	Lower	Upper
152	100		
115	52.2	30.1	90.3
150	157.4	0.0	364.8



#76
 1,2,3-Trichloropropane
 Concen: 43.836 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075691.D
 Acq: 14 Apr 2023 21:06

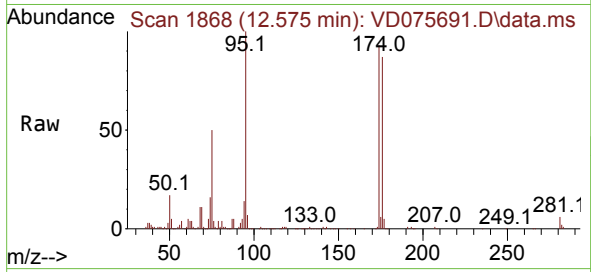
Tgt Ion:	75	Resp:	85640
Ion	Ratio	Lower	Upper
75	100		
77	2.3	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.010 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.100 min
 Lab File: VD075691.D
 Acq: 14 Apr 2023 21:06

Instrument :
 MSVOA_D
 ClientSampleId :
 20230295-26-1



Tgt Ion:	75	Resp:	85640
Ion Ratio	Lower	Upper	
75	100		
53	0.0	90.5	135.7#
89	0.0	40.2	60.4#

