

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075689.D
 Acq On : 14 Apr 2023 20:04
 Operator : KP/SY
 Sample : 02347-02
 Misc : 4.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20230246-13-4

Quant Time: Apr 17 09:17:10 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)

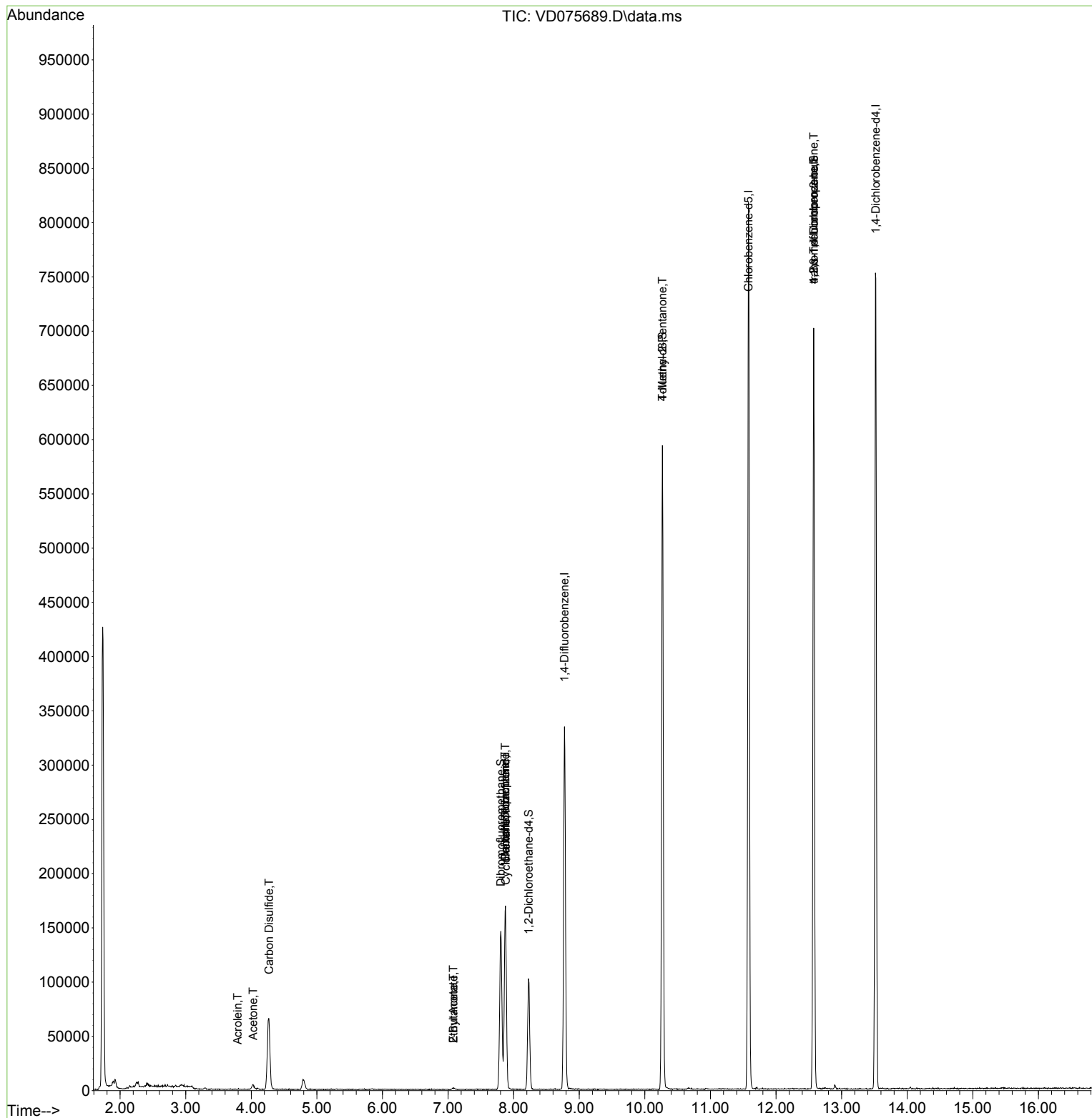
Internal Standards						
1) Pentafluorobenzene	7.875	168	138243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	318368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	530246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	217305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77538	59.090	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.180%			
35) Dibromofluoromethane	7.804	113	110420	51.566	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.140%			
50) Toluene-d8	10.269	98	430179	50.166	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.340%			
62) 4-Bromofluorobenzene	12.575	95	217311	95.343	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 190.680%#			
Target Compounds						
					Qvalue	
13) Acrolein	3.793	56	204	1.536	ug/l #	49
16) Acetone	4.028	43	6993	29.090	ug/l	93
17) Carbon Disulfide	4.269	76	145591	28.733	ug/l	99
20) Methylene Chloride	4.787	84	8091	Below Cal	#	70
25) 2-Butanone	7.081	43	1841	5.948	ug/l	94
31) Cyclohexane	7.881	56	2323	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	10211	3.456	ug/l #	49
37) Ethyl Acetate	7.081	43	1841	2.048	ug/l #	80
38) Carbon Tetrachloride	7.875	117	12223	4.699	ug/l #	19
51) 4-Methyl-2-Pentanone	10.269	43	1287	1.472	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	103401	58.349	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	103401	126.467	ug/l #	5

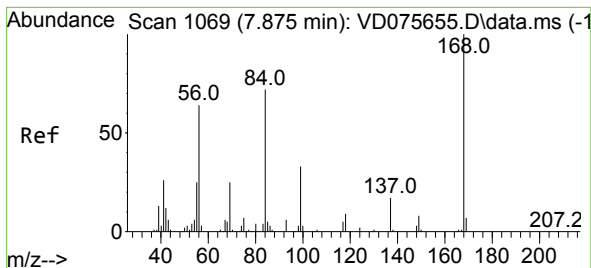
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075689.D

Acq: 14 Apr 2023 20:04

Instrument :

MSVOA_D

ClientSampleId :

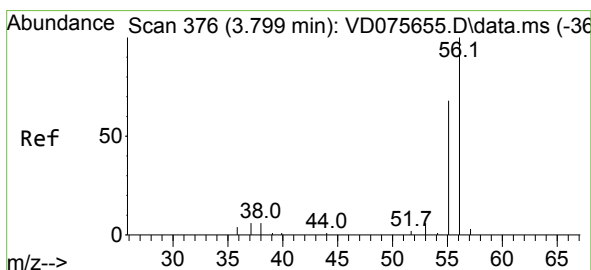
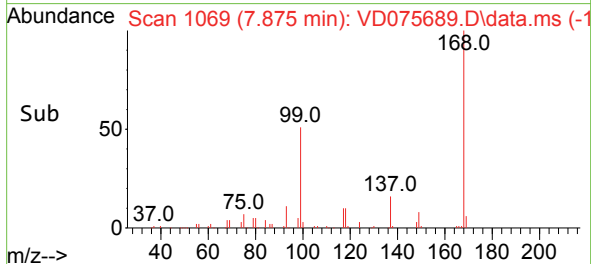
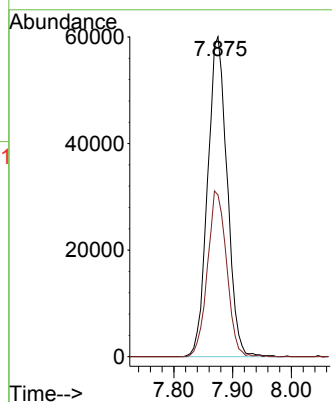
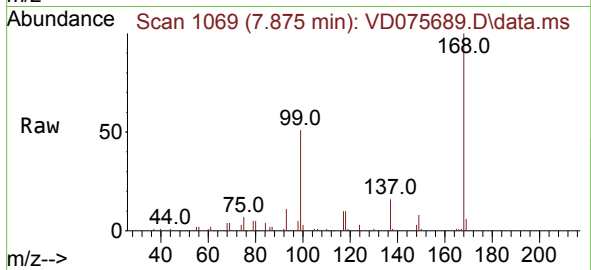
20230246-13-4

Tgt Ion:168 Resp: 138243

Ion Ratio Lower Upper

168 100

99 50.6 43.8 65.6



#13

Acrolein

Concen: 1.536 ug/l

RT: 3.793 min Scan# 375

Delta R.T. -0.006 min

Lab File: VD075689.D

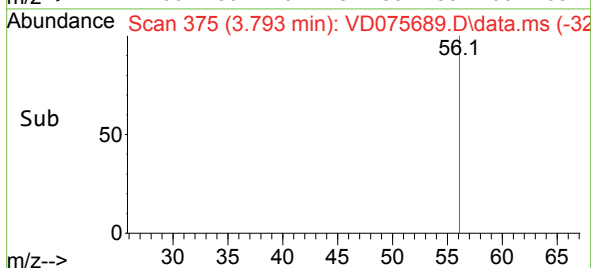
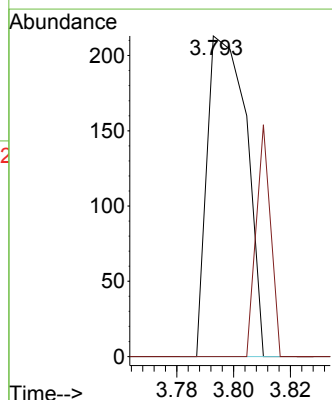
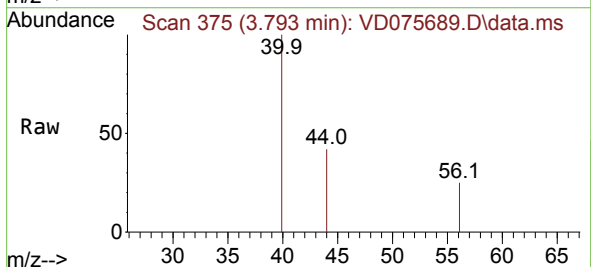
Acq: 14 Apr 2023 20:04

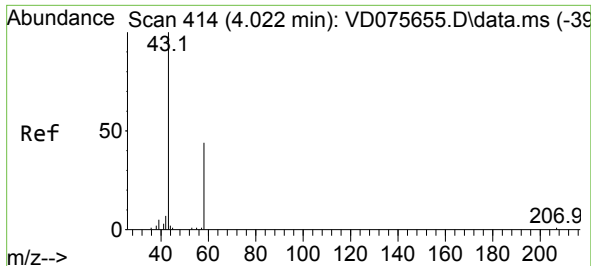
Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

56 100

55 26.5 53.9 80.9#

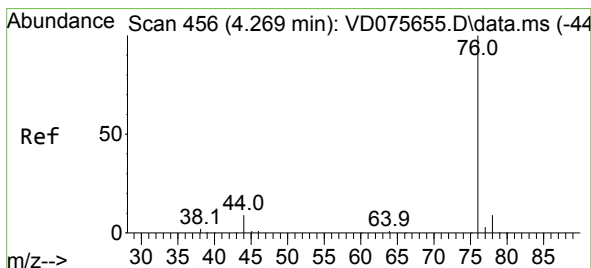
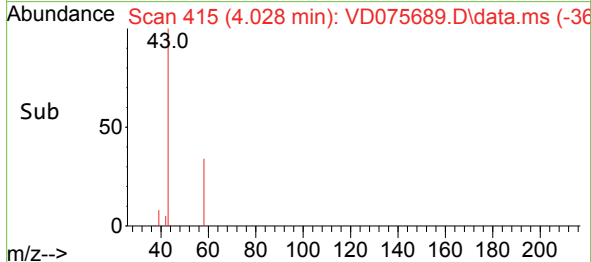
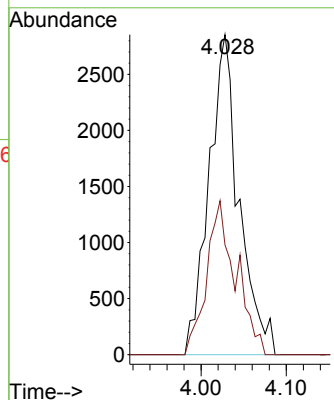
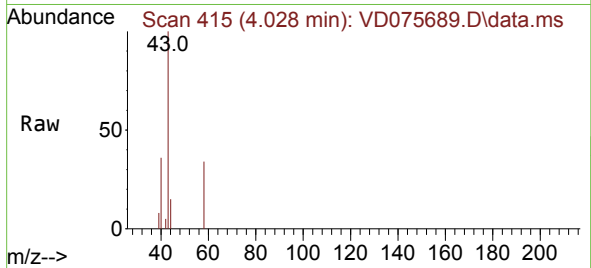




#16
Acetone
Concen: 29.090 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD075689.D
Acq: 14 Apr 2023 20:04

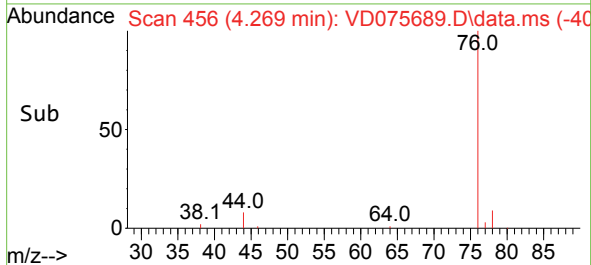
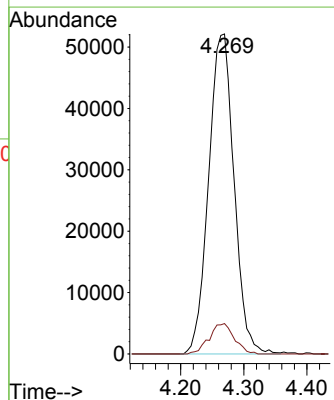
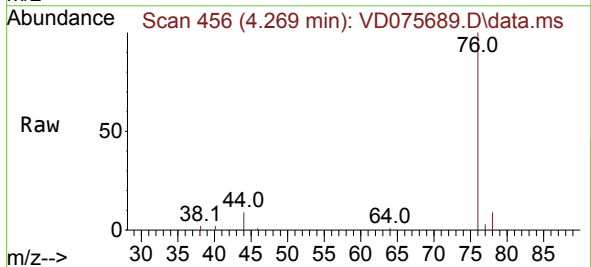
Instrument :
MSVOA_D
ClientSampleId :
20230246-13-4

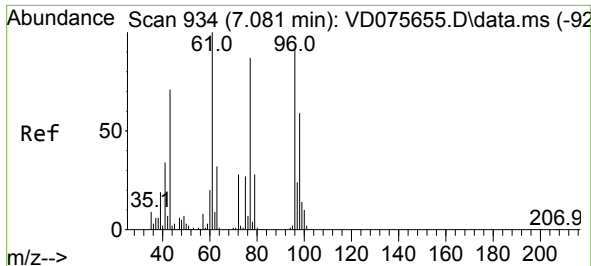
Tgt Ion: 43 Resp: 6993
Ion Ratio Lower Upper
43 100
58 34.3 24.4 36.6



#17
Carbon Disulfide
Concen: 28.733 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD075689.D
Acq: 14 Apr 2023 20:04

Tgt Ion: 76 Resp: 145591
Ion Ratio Lower Upper
76 100
78 9.5 8.0 12.0

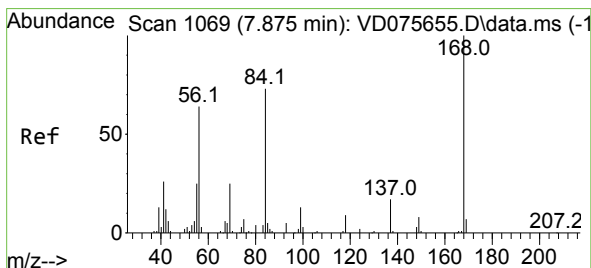
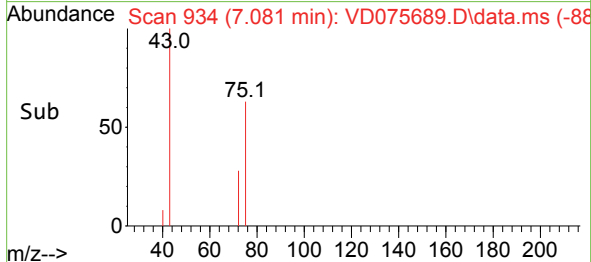
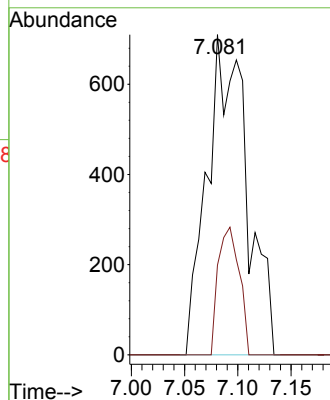
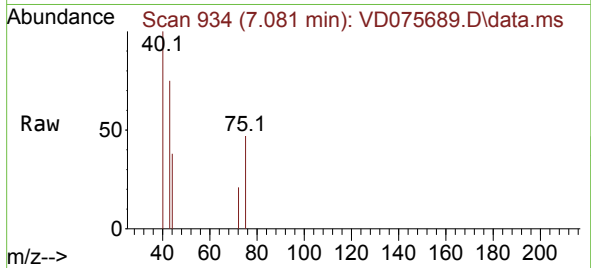




#25
2-Butanone
Concen: 5.948 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD075689.D
Acq: 14 Apr 2023 20:04

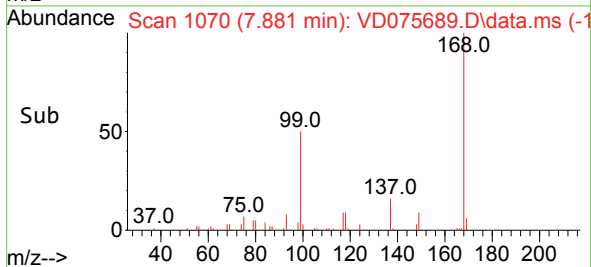
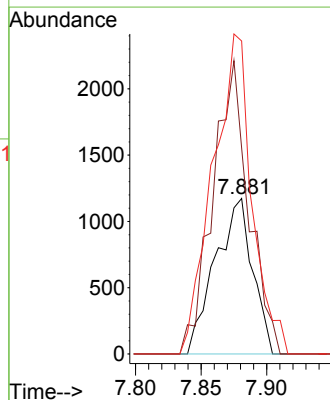
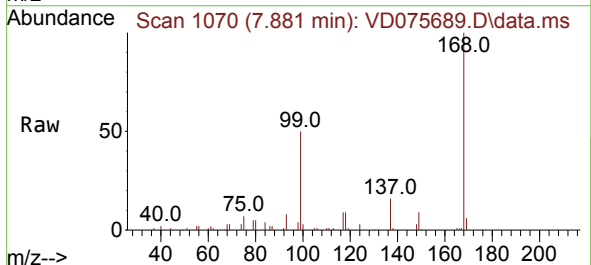
Instrument :
MSVOA_D
ClientSampleId :
20230246-13-4

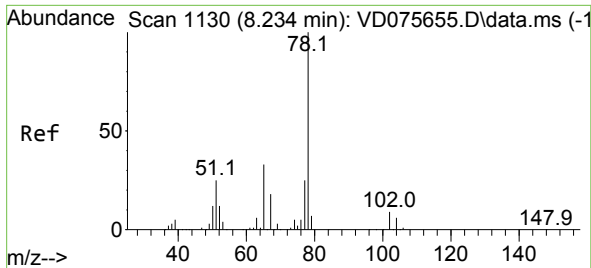
Tgt Ion: 43 Resp: 1841
Ion Ratio Lower Upper
43 100
72 28.0 19.8 29.8



#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD075689.D
Acq: 14 Apr 2023 20:04

Tgt Ion: 56 Resp: 2323
Ion Ratio Lower Upper
56 100
69 132.4 25.5 38.3#
84 201.3 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 59.090 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075689.D

Acq: 14 Apr 2023 20:04

Instrument :

MSVOA_D

ClientSampleId :

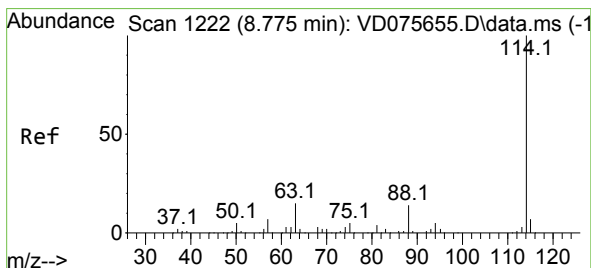
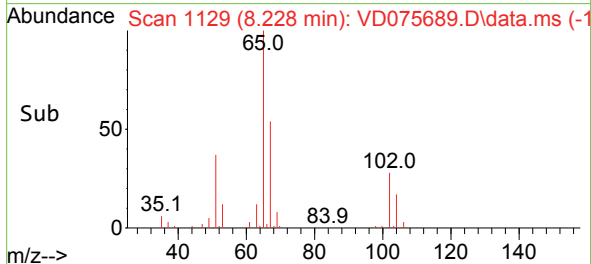
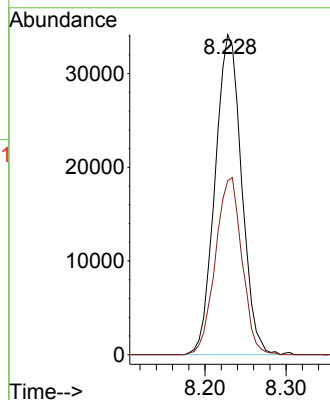
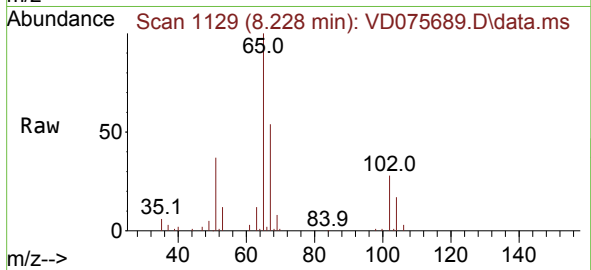
20230246-13-4

Tgt Ion: 65 Resp: 77538

Ion Ratio Lower Upper

65 100

67 55.4 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD075689.D

Acq: 14 Apr 2023 20:04

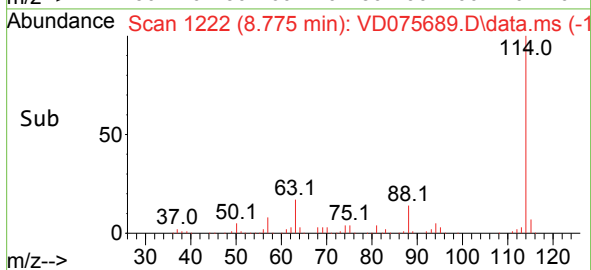
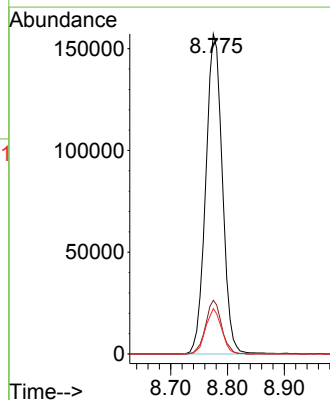
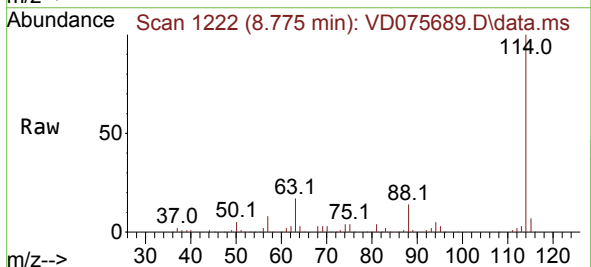
Tgt Ion: 114 Resp: 318368

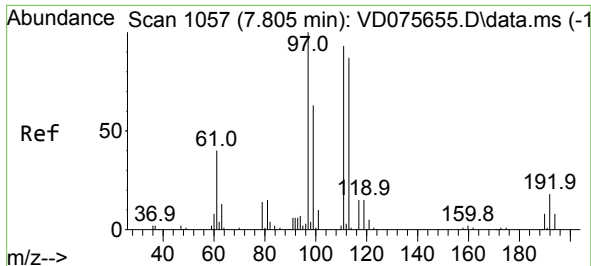
Ion Ratio Lower Upper

114 100

63 16.8 0.0 41.6

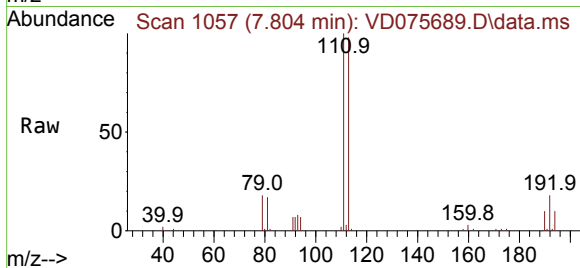
88 14.2 0.0 30.6



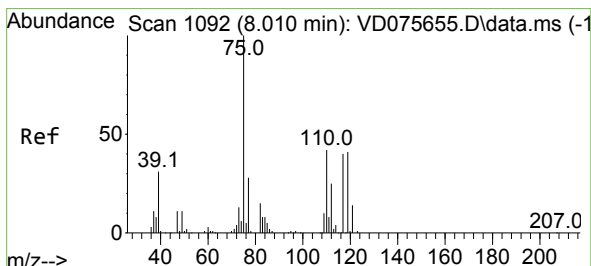
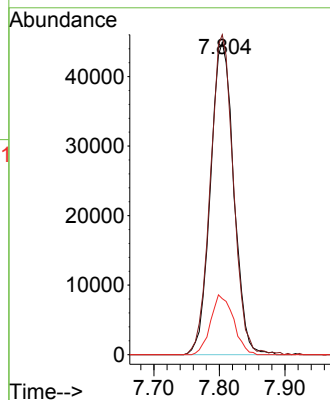
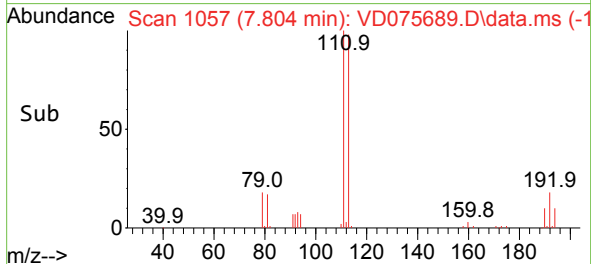


#35
Dibromofluoromethane
Concen: 51.566 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD075689.D
Acq: 14 Apr 2023 20:04

Instrument :
MSVOA_D
ClientSampleId :
20230246-13-4

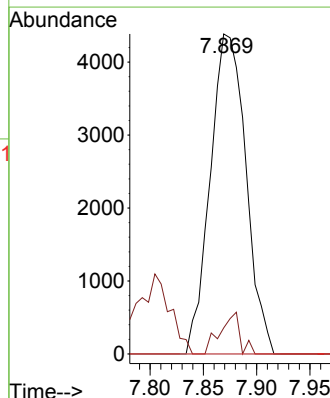
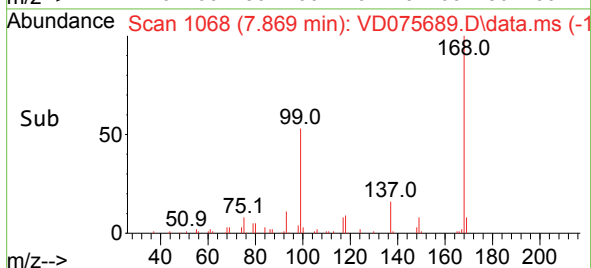
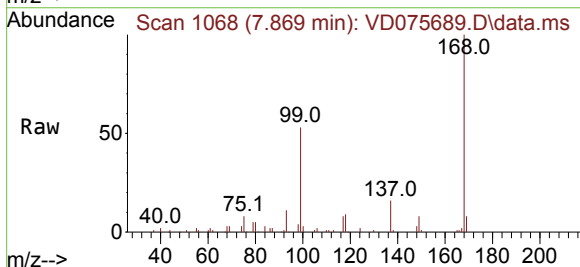


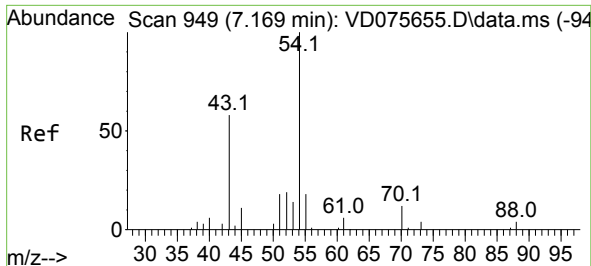
Tgt Ion:113 Resp: 110420
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 18.8 15.2 22.8



#36
1,1-Dichloropropene
Concen: 3.456 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD075689.D
Acq: 14 Apr 2023 20:04

Tgt Ion: 75 Resp: 10211
Ion Ratio Lower Upper
75 100
110 7.2 17.1 51.2#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 2.048 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.088 min

Lab File: VD075689.D

Acq: 14 Apr 2023 20:04

Instrument :

MSVOA_D

ClientSampleId :

20230246-13-4

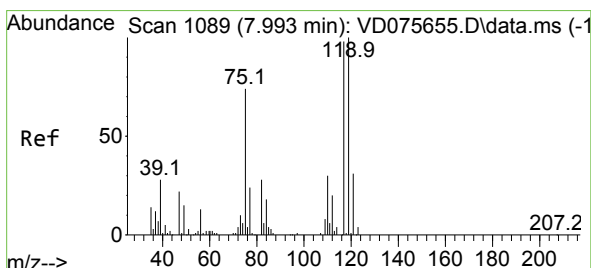
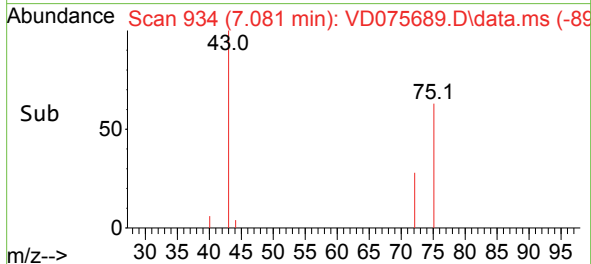
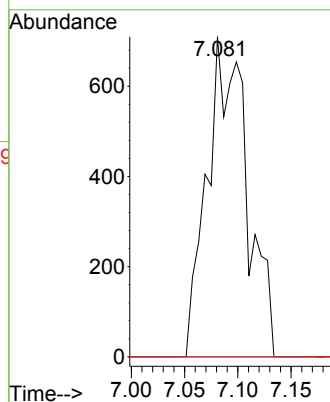
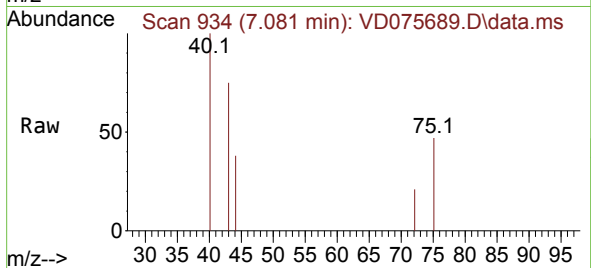
Tgt Ion: 43 Resp: 1841

Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 0.0 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 4.699 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075689.D

Acq: 14 Apr 2023 20:04

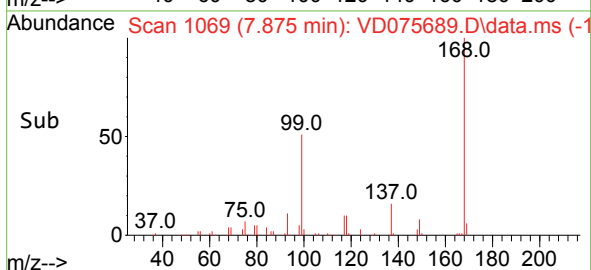
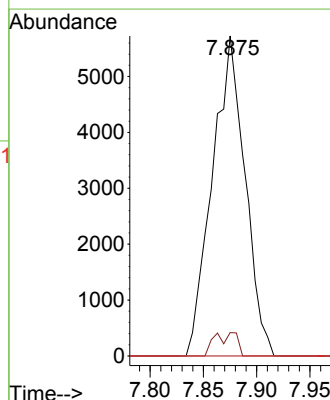
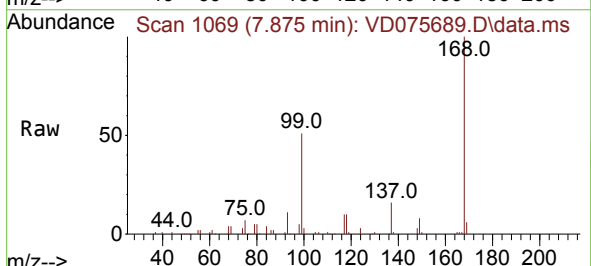
Tgt Ion: 117 Resp: 12223

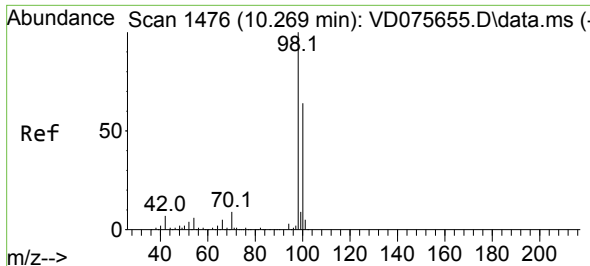
Ion Ratio Lower Upper

117 100

119 7.3 74.7 112.1#

121 0.0 25.9 38.9#

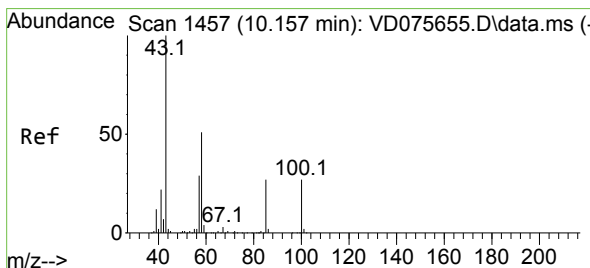
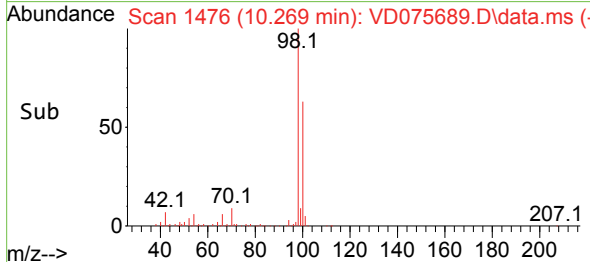
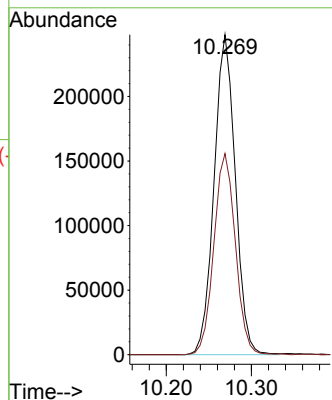
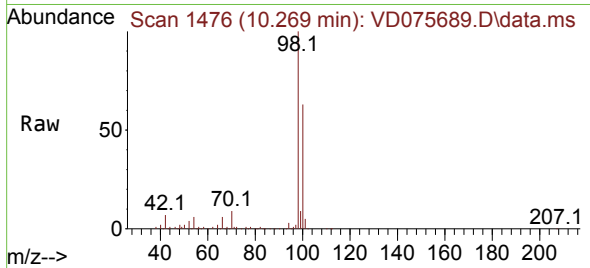




#50
Toluene-d8
Concen: 50.166 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075689.D
Acq: 14 Apr 2023 20:04

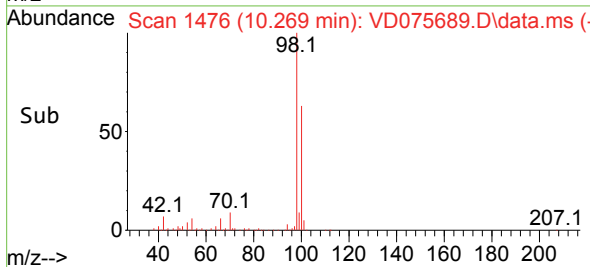
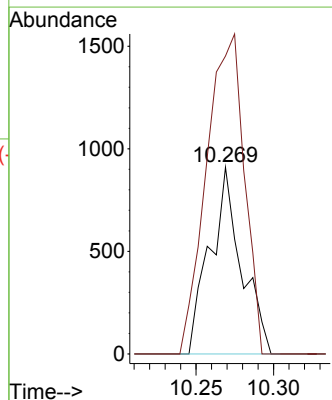
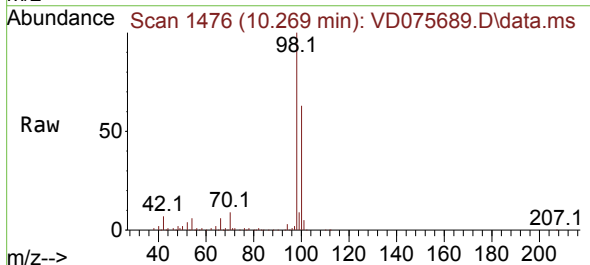
Instrument :
MSVOA_D
ClientSampleId :
20230246-13-4

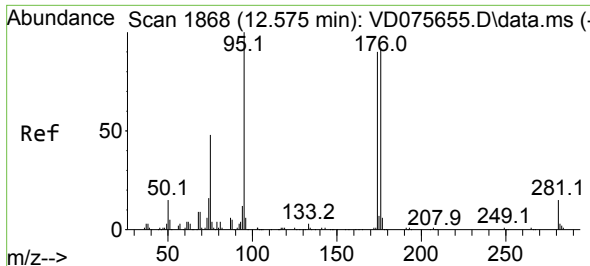
Tgt Ion: 98 Resp: 430179
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.472 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD075689.D
Acq: 14 Apr 2023 20:04

Tgt Ion: 43 Resp: 1287
Ion Ratio Lower Upper
43 100
58 205.5 29.5 44.3#

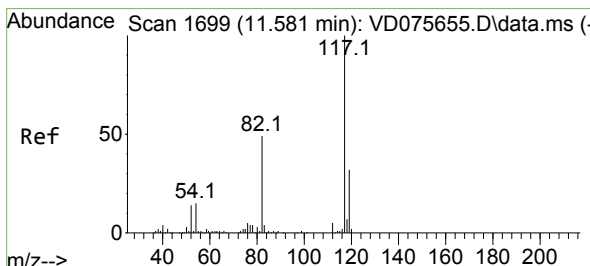
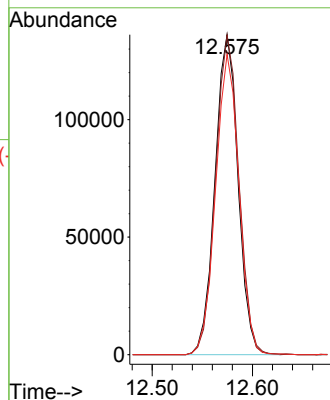
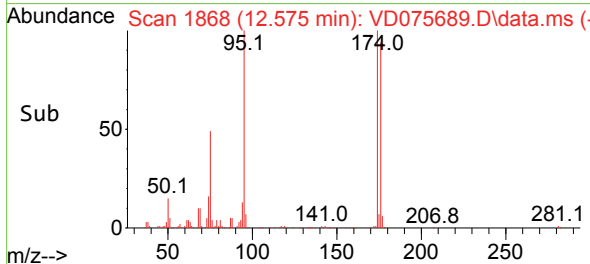
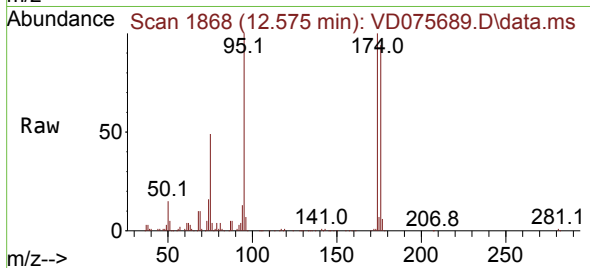




#62
4-Bromofluorobenzene
Concen: 95.343 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075689.D
Acq: 14 Apr 2023 20:04

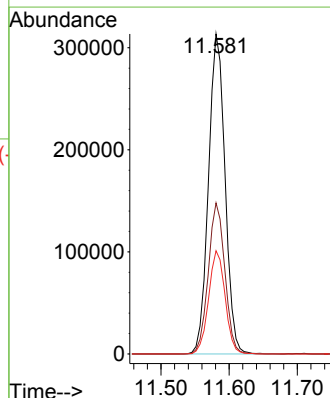
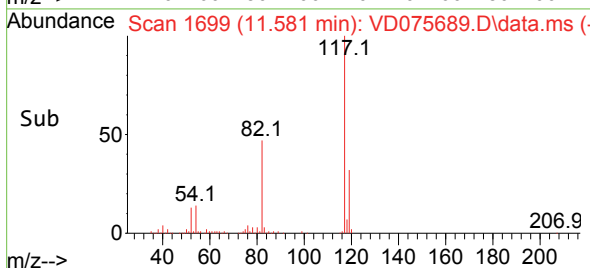
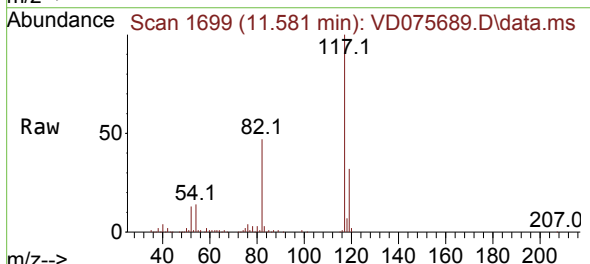
Instrument :
MSVOA_D
ClientSampleId :
20230246-13-4

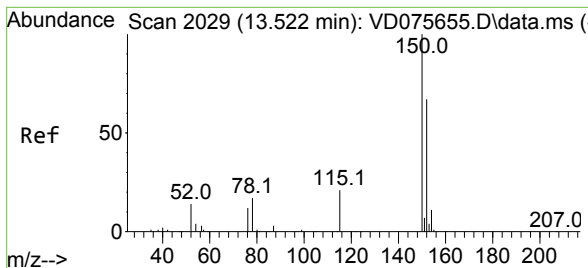
Tgt Ion: 95 Resp: 217311
Ion Ratio Lower Upper
95 100
174 101.0 0.0 164.0
176 95.3 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075689.D
Acq: 14 Apr 2023 20:04

Tgt Ion: 117 Resp: 530246
Ion Ratio Lower Upper
117 100
82 47.2 44.0 66.0
119 32.3 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD075689.D

Acq: 14 Apr 2023 20:04

Instrument :

MSVOA_D

ClientSampleId :

20230246-13-4

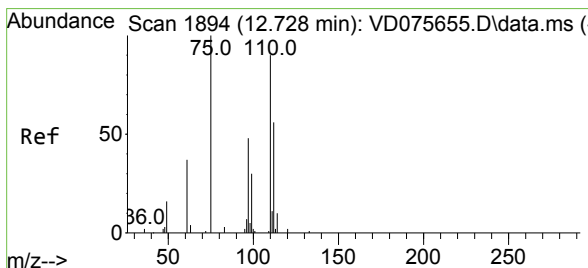
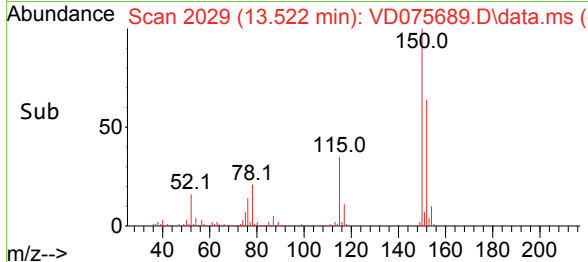
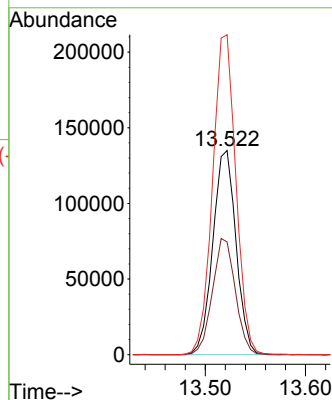
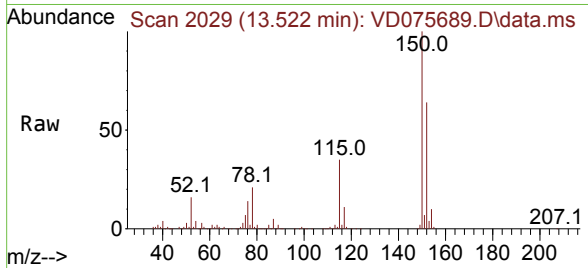
Tgt Ion:152 Resp: 217305

Ion Ratio Lower Upper

152 100

115 56.2 30.1 90.3

150 157.2 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 58.349 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075689.D

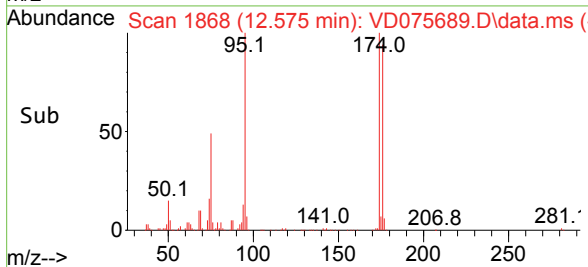
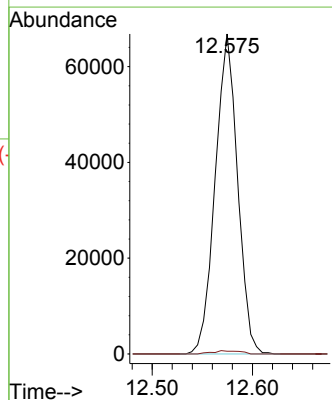
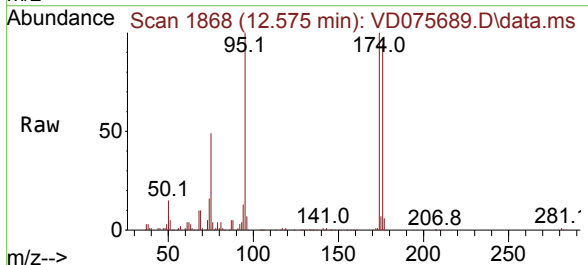
Acq: 14 Apr 2023 20:04

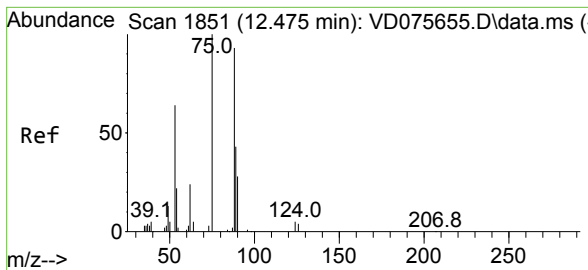
Tgt Ion: 75 Resp: 103401

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.467 ug/l
 RT: 12.575 min Scan# 1851
 Delta R.T. 0.100 min
 Lab File: VD075689.D
 Acq: 14 Apr 2023 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 20230246-13-4

Tgt Ion: 75 Resp: 103401
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 40.2 60.4#

