

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075683.D
 Acq On : 14 Apr 2023 16:59
 Operator : KP/SY
 Sample : 02258-02RE
 Misc : 2.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20230211-5-1

Quant Time: Apr 17 09:12:14 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)

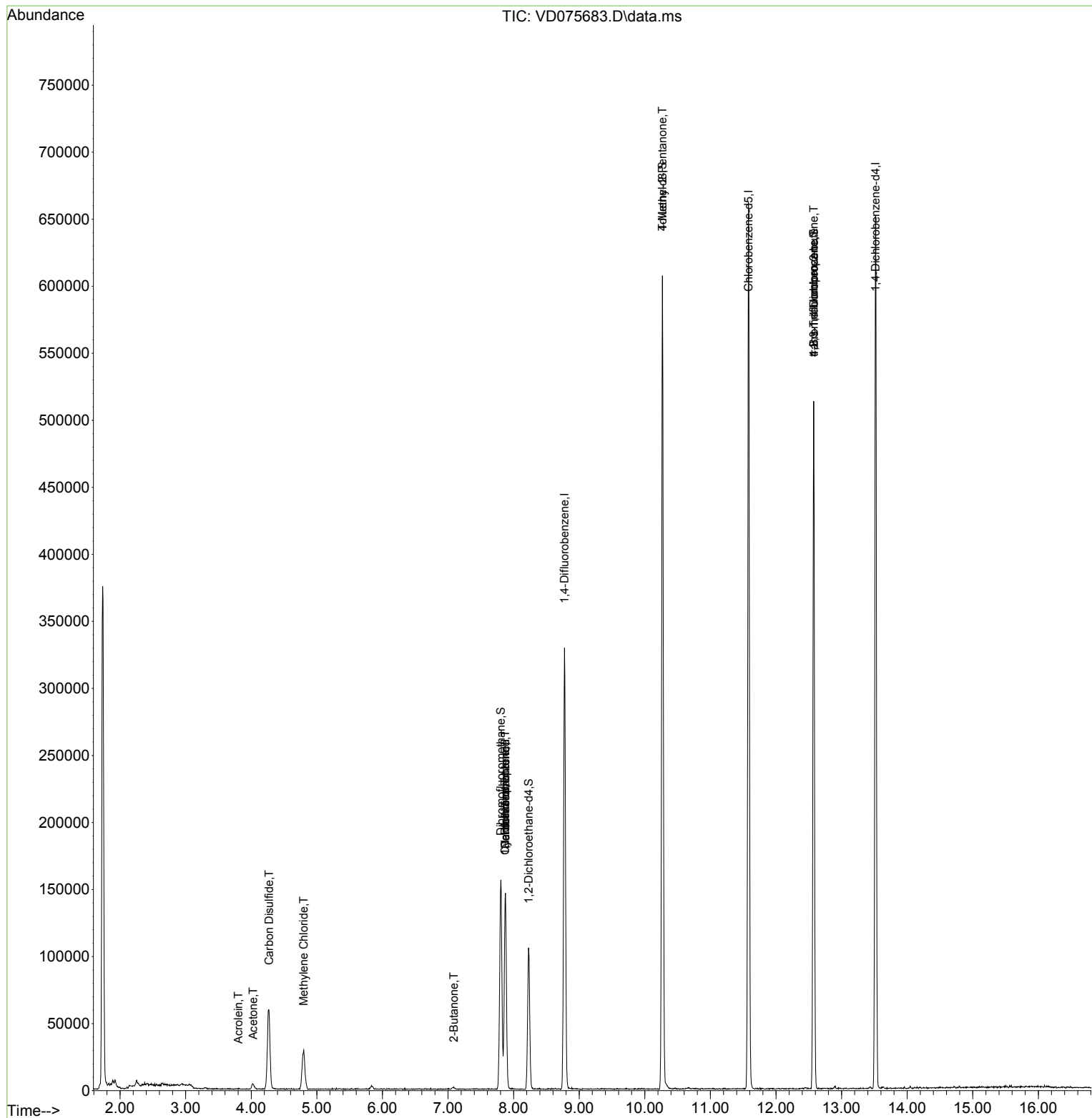
Internal Standards						
1) Pentafluorobenzene	7.875	168	119453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	319933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	405301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	189389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81411	71.801	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.600%	
35) Dibromofluoromethane	7.805	113	116783	54.271	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.540%	
50) Toluene-d8	10.269	98	443670	51.486	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	12.575	95	162005	70.730	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 141.460%	
Target Compounds						
					Qvalue	
13) Acrolein	3.805	56	199	1.734	ug/l #	16
16) Acetone	4.028	43	7389	35.572	ug/l	99
17) Carbon Disulfide	4.269	76	132835	30.339	ug/l	96
20) Methylene Chloride	4.799	84	26106	12.817	ug/l #	73
25) 2-Butanone	7.087	43	1400	5.235	ug/l #	22
31) Cyclohexane	7.869	56	2248	1.263	ug/l #	17
36) 1,1-Dichloropropene	7.869	75	8509	2.866	ug/l #	42
38) Carbon Tetrachloride	7.875	117	11232	4.296	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	1142	1.300	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	82152	53.192	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	82152	115.288	ug/l #	5

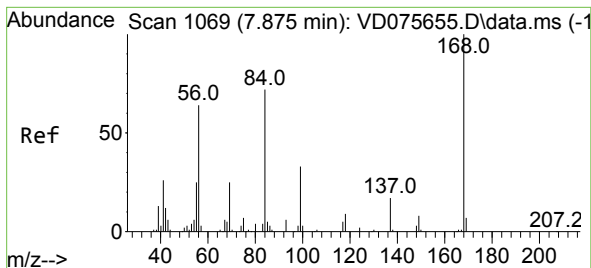
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075683.D

Acq: 14 Apr 2023 16:59

Instrument :

MSVOA_D

ClientSampleId :

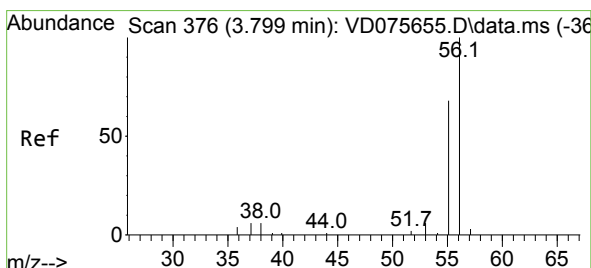
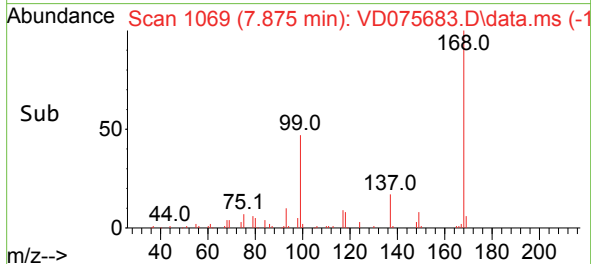
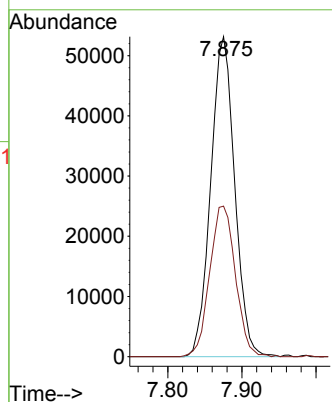
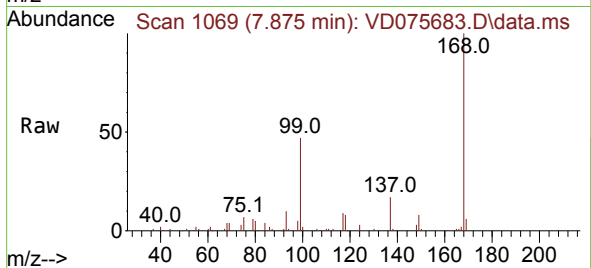
20230211-5-1

Tgt Ion:168 Resp: 119453

Ion Ratio Lower Upper

168 100

99 47.0 43.8 65.6



#13

Acrolein

Concen: 1.734 ug/l

RT: 3.805 min Scan# 377

Delta R.T. 0.006 min

Lab File: VD075683.D

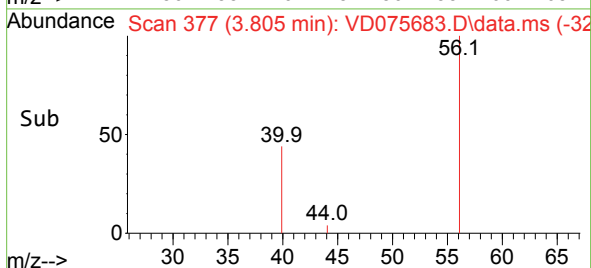
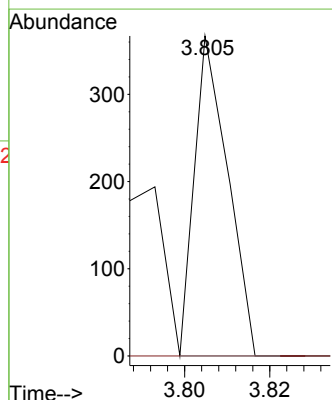
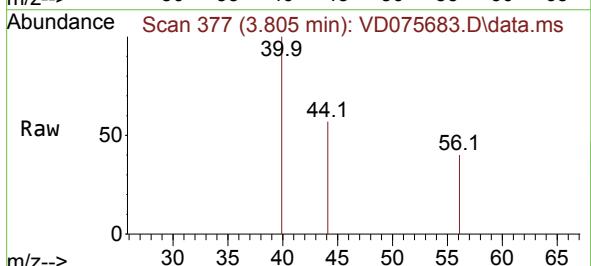
Acq: 14 Apr 2023 16:59

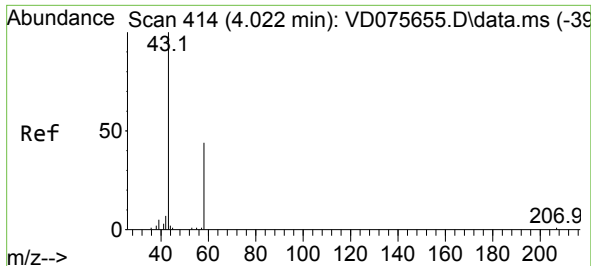
Tgt Ion: 56 Resp: 199

Ion Ratio Lower Upper

56 100

55 0.0 53.9 80.9#





#16

Acetone

Concen: 35.572 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD075683.D

Acq: 14 Apr 2023 16:59

Instrument :

MSVOA_D

ClientSampleId :

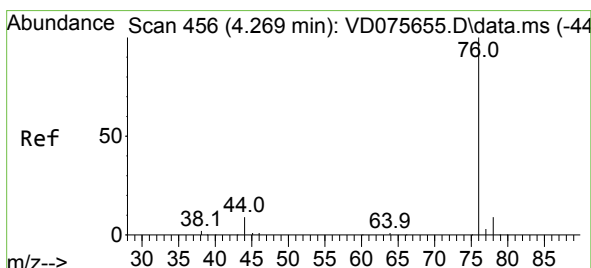
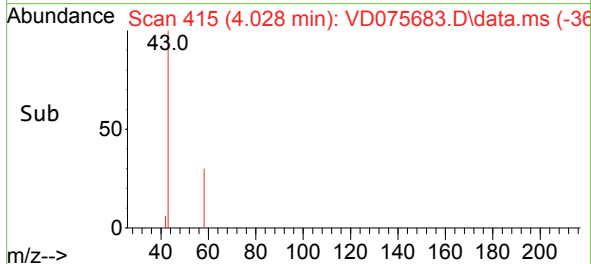
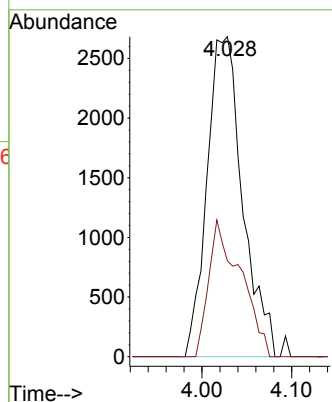
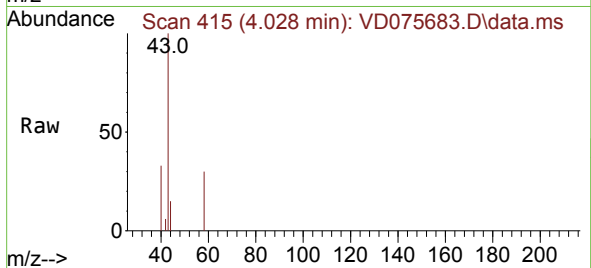
20230211-5-1

Tgt Ion: 43 Resp: 7389

Ion Ratio Lower Upper

43 100

58 30.0 24.4 36.6



#17

Carbon Disulfide

Concen: 30.339 ug/l

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD075683.D

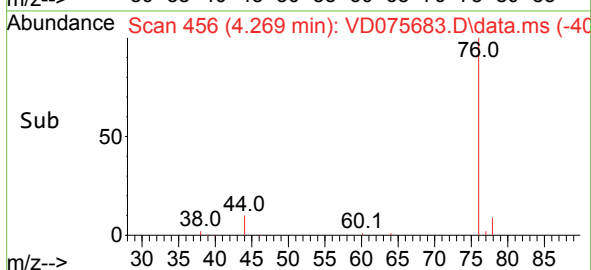
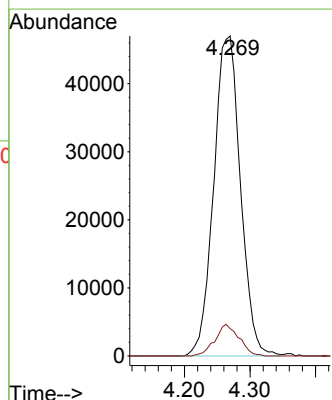
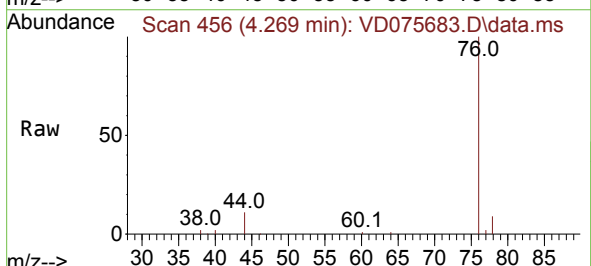
Acq: 14 Apr 2023 16:59

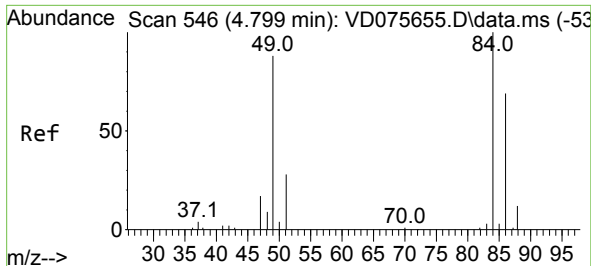
Tgt Ion: 76 Resp: 132835

Ion Ratio Lower Upper

76 100

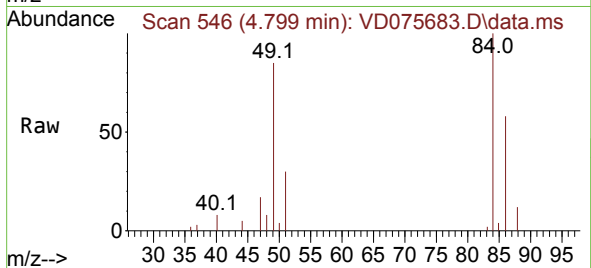
78 8.5 8.0 12.0



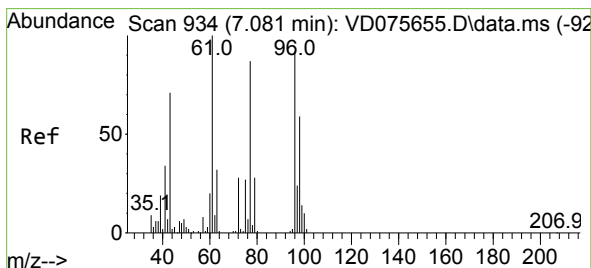
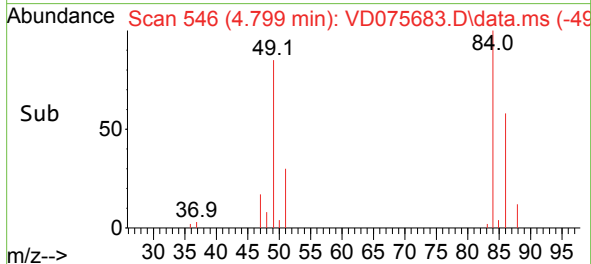
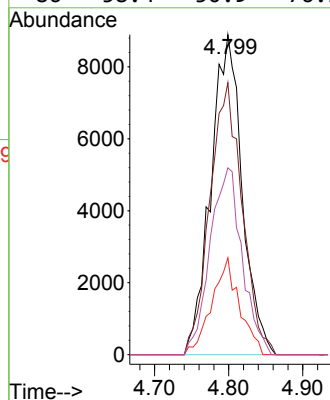


#20
Methylene Chloride
Concen: 12.817 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD075683.D
Acq: 14 Apr 2023 16:59

Instrument :
MSVOA_D
ClientSampleId :
20230211-5-1

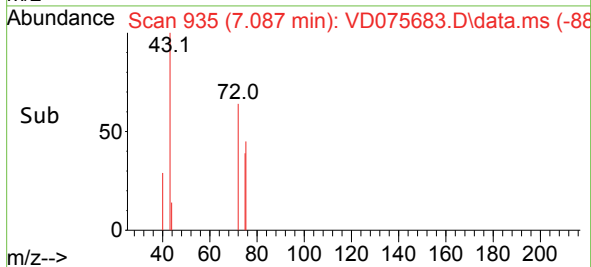
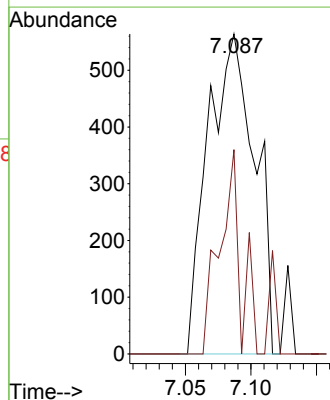
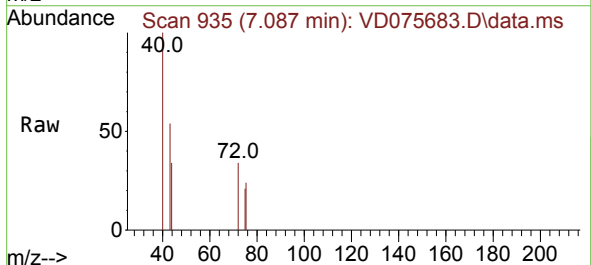


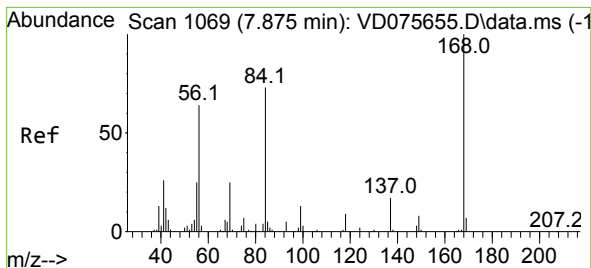
Tgt Ion:	84	Resp:	26106
Ion	Ratio	Lower	Upper
84	100		
49	85.0	106.4	159.6#
51	30.3	32.4	48.6#
86	58.4	50.9	76.3



#25
2-Butanone
Concen: 5.235 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD075683.D
Acq: 14 Apr 2023 16:59

Tgt Ion:	43	Resp:	1400
Ion	Ratio	Lower	Upper
43	100		
72	63.8	19.8	29.8#





#31

Cyclohexane

Concen: 1.263 ug/l

RT: 7.869 min Scan# 1106

Delta R.T. -0.006 min

Lab File: VD075683.D

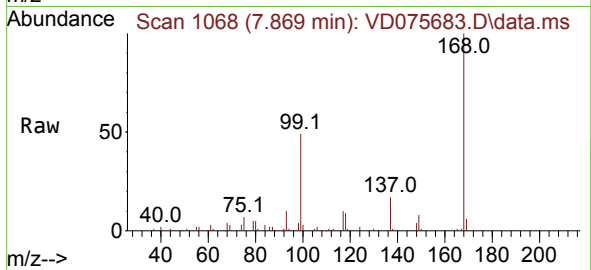
Acq: 14 Apr 2023 16:59

Instrument :

MSVOA_D

ClientSampleId :

20230211-5-1



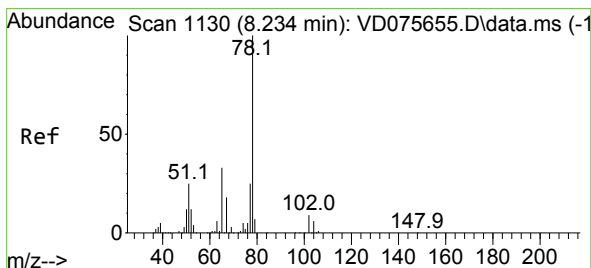
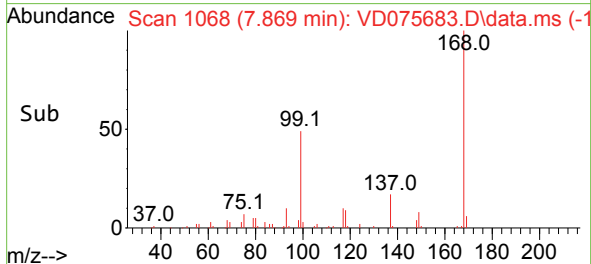
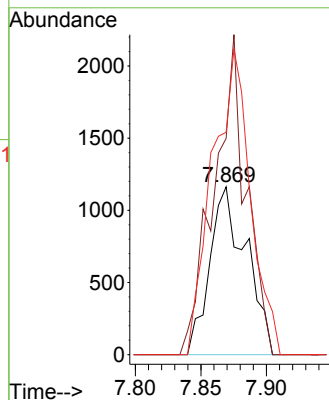
Tgt Ion: 56 Resp: 2248

Ion Ratio Lower Upper

56 100

69 128.9 25.5 38.3#

84 132.5 69.6 104.4#



#33

1,2-Dichloroethane-d4

Concen: 71.801 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075683.D

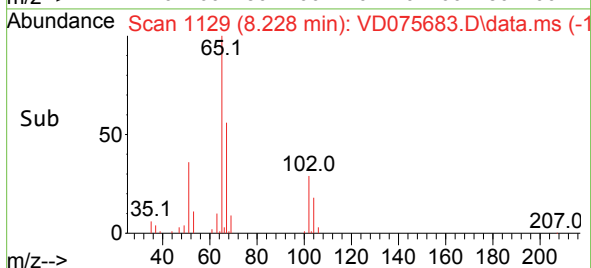
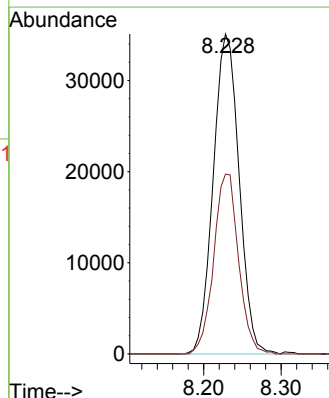
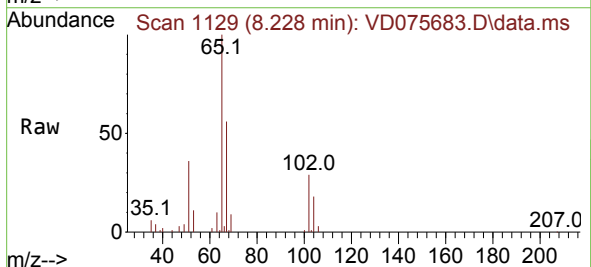
Acq: 14 Apr 2023 16:59

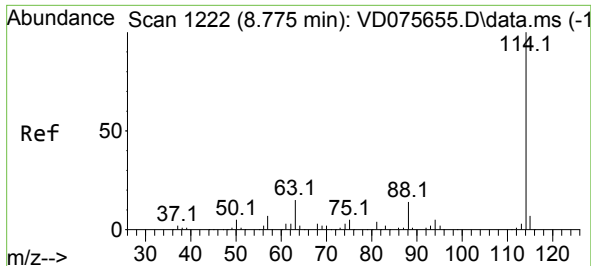
Tgt Ion: 65 Resp: 81411

Ion Ratio Lower Upper

65 100

67 54.0 0.0 102.2

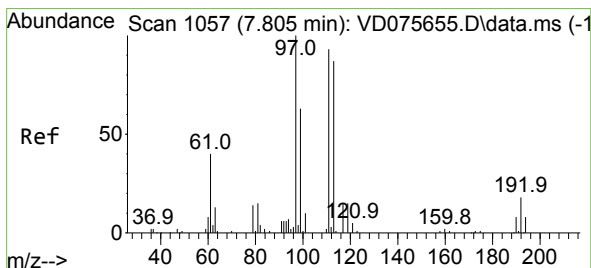
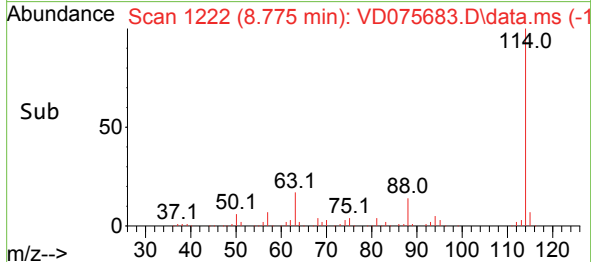
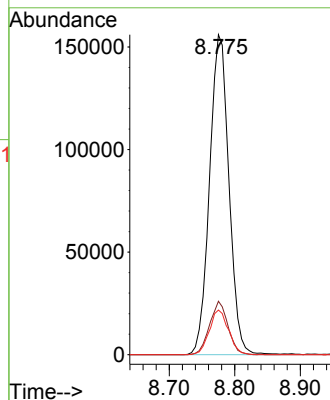
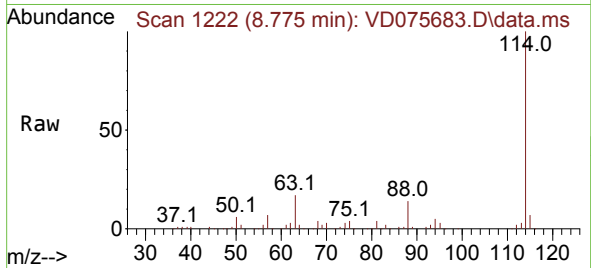




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075683.D
Acq: 14 Apr 2023 16:59

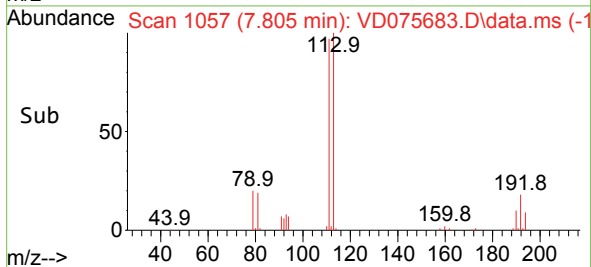
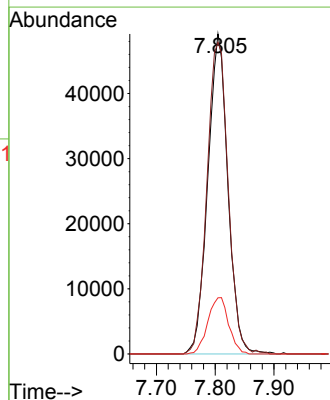
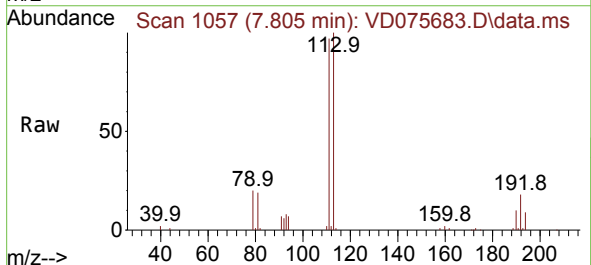
Instrument :
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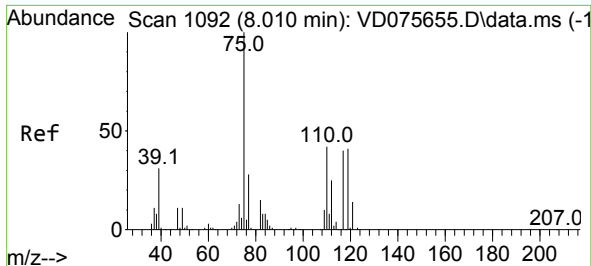
Tgt Ion:114 Resp: 319933
Ion Ratio Lower Upper
114 100
63 16.7 0.0 41.6
88 14.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.271 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD075683.D
Acq: 14 Apr 2023 16:59

Tgt Ion:113 Resp: 116783
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 18.3 15.2 22.8

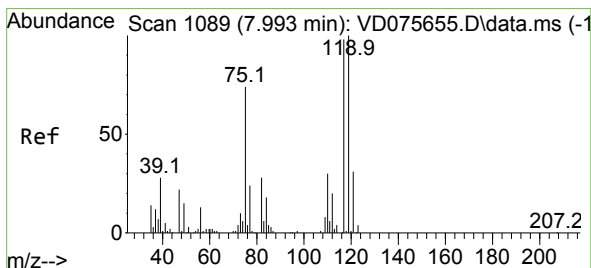
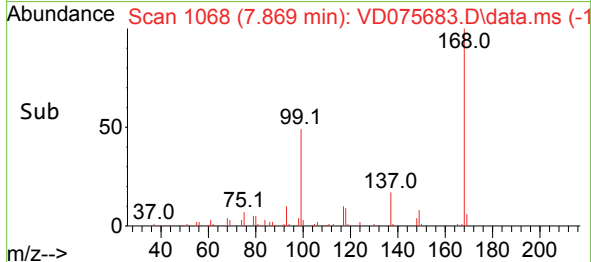
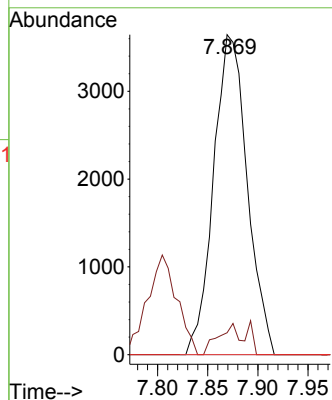
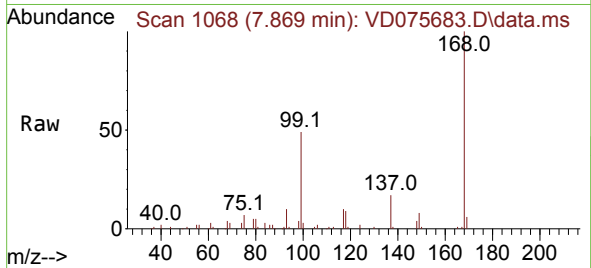




#36
1,1-Dichloropropene
Concen: 2.866 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD075683.D
Acq: 14 Apr 2023 16:59

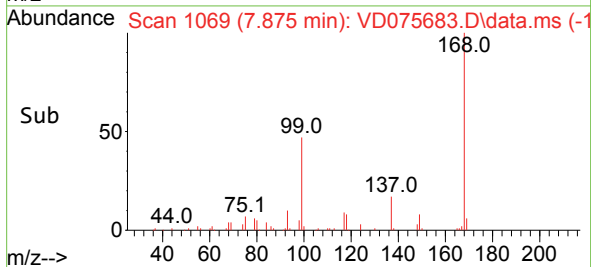
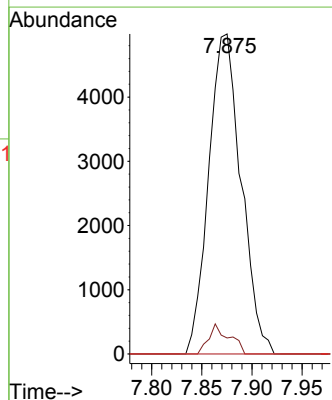
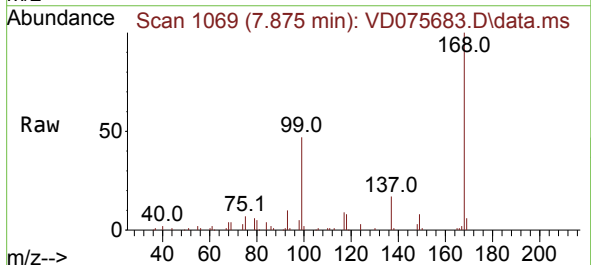
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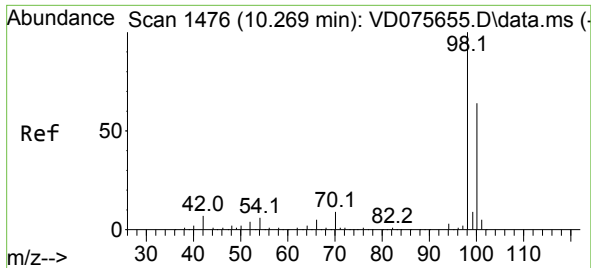
Tgt Ion: 75 Resp: 8509
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 4.296 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075683.D
Acq: 14 Apr 2023 16:59

Tgt Ion: 117 Resp: 11232
Ion Ratio Lower Upper
117 100
119 5.0 74.7 112.1#
121 0.0 25.9 38.9#

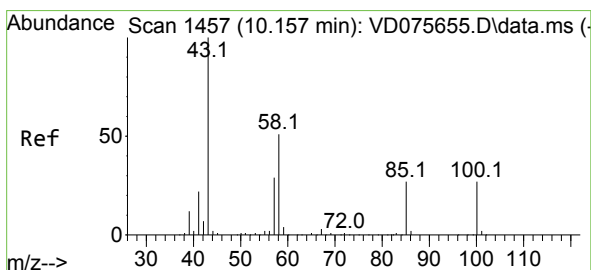
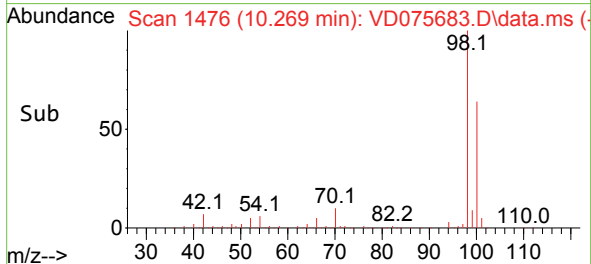
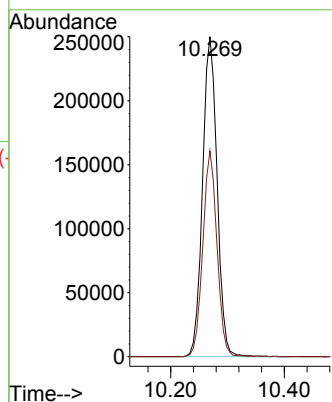
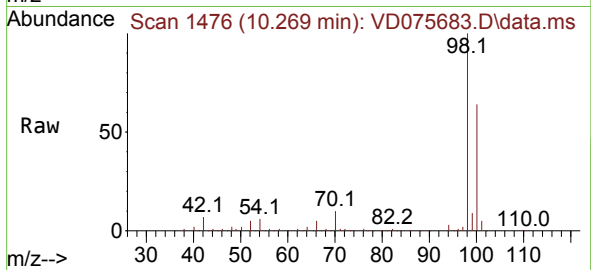




#50
Toluene-d8
Concen: 51.486 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075683.D
Acq: 14 Apr 2023 16:59

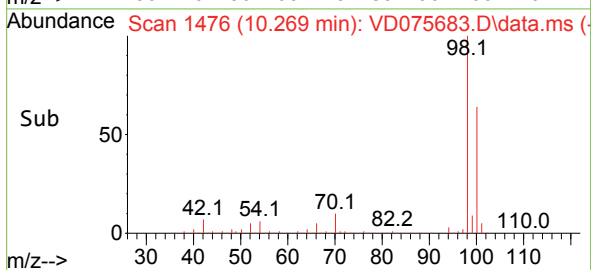
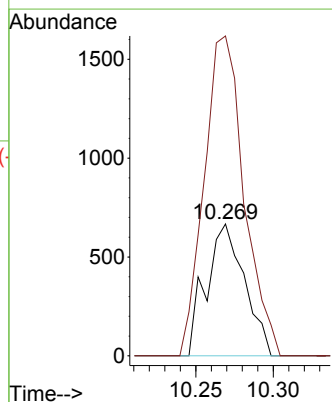
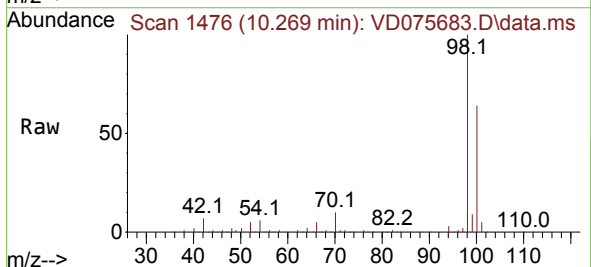
Instrument :
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20230211-5-1

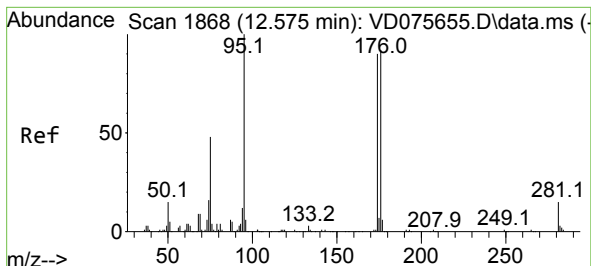
Tgt Ion: 98 Resp: 443670
Ion Ratio Lower Upper
98 100
100 62.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.300 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD075683.D
Acq: 14 Apr 2023 16:59

Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 253.5 29.5 44.3#

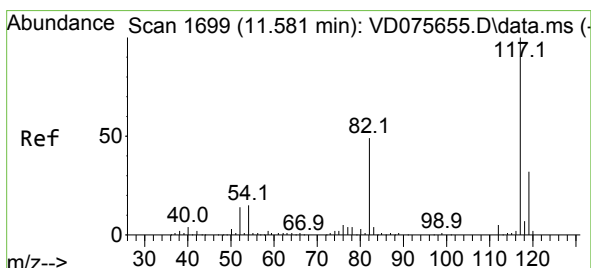
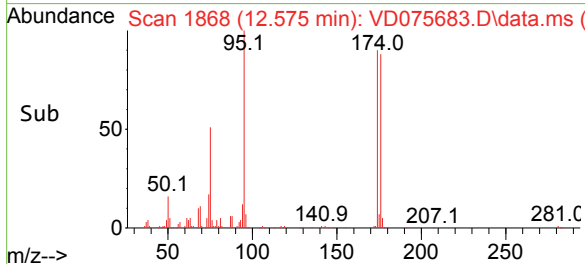
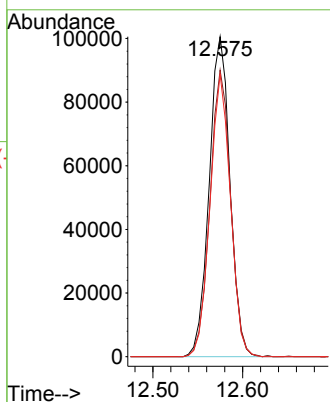
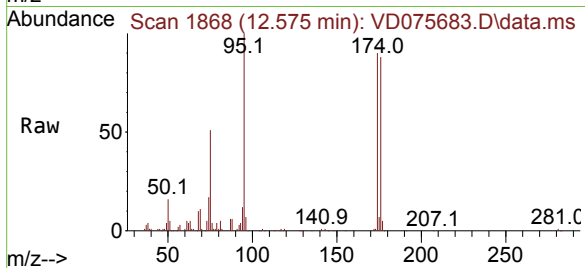




#62
4-Bromofluorobenzene
Concen: 70.730 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075683.D
Acq: 14 Apr 2023 16:59

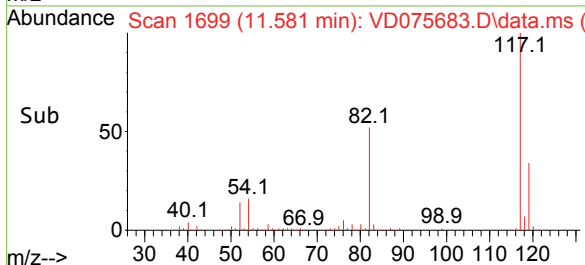
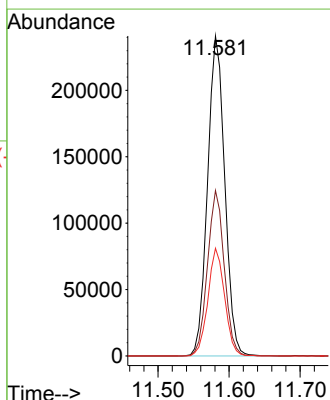
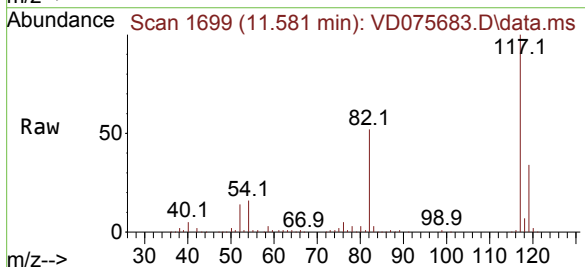
Instrument :
MSVOA_D
ClientSampleId :
20230211-5-1

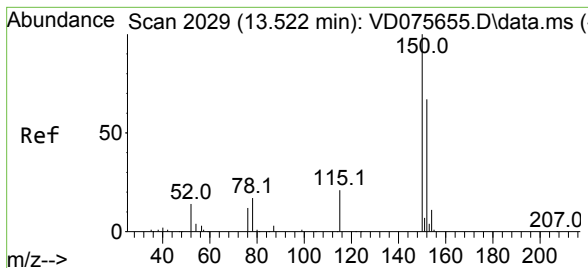
Tgt Ion: 95 Resp: 162005
Ion Ratio Lower Upper
95 100
174 89.1 0.0 164.0
176 86.2 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075683.D
Acq: 14 Apr 2023 16:59

Tgt Ion: 117 Resp: 405301
Ion Ratio Lower Upper
117 100
82 51.7 44.0 66.0
119 33.6 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD075683.D

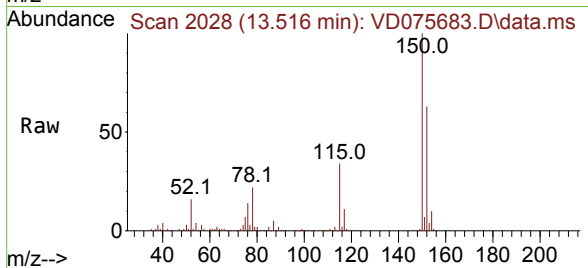
Acq: 14 Apr 2023 16:59

Instrument :

MSVOA_D

ClientSampleId :

20230211-5-1



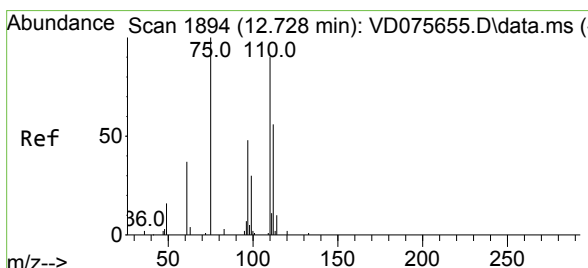
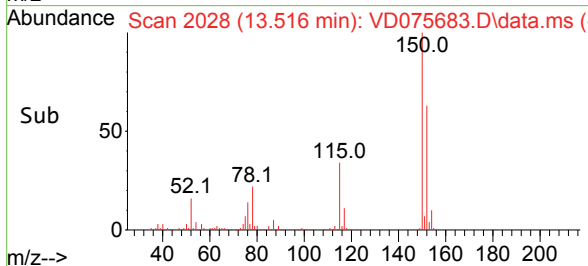
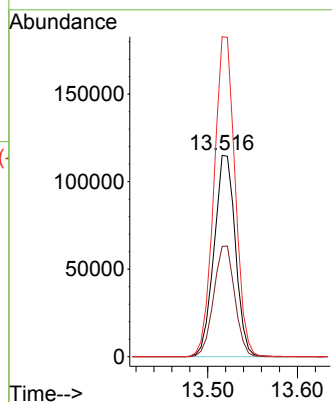
Tgt Ion:152 Resp: 189389

Ion Ratio Lower Upper

152 100

115 54.5 30.1 90.3

150 157.8 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 53.192 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075683.D

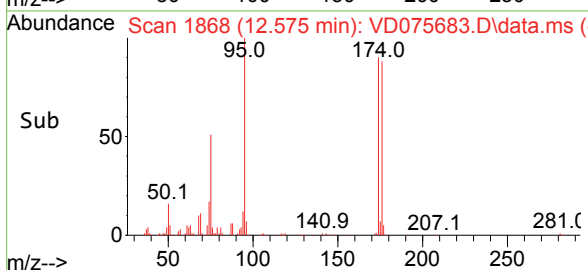
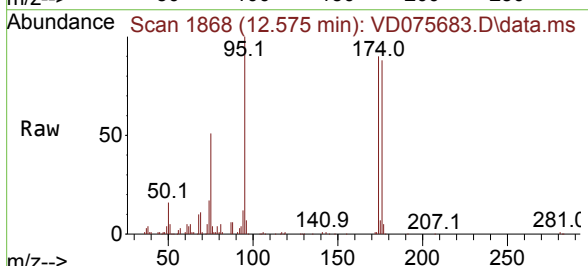
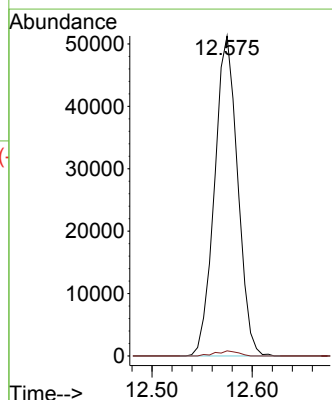
Acq: 14 Apr 2023 16:59

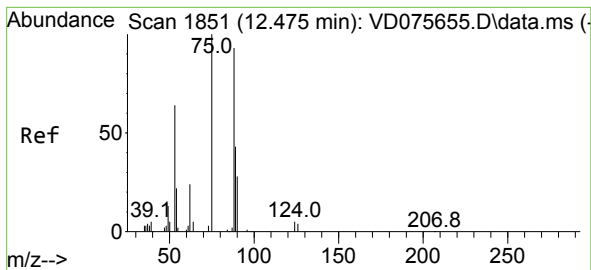
Tgt Ion: 75 Resp: 82152

Ion Ratio Lower Upper

75 100

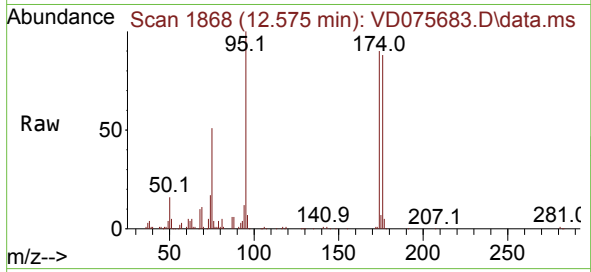
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.288 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD075683.D
 Acq: 14 Apr 2023 16:59

Instrument :
 MSVOA_D
 ClientSampleId :
 20230211-5-1



Tgt Ion:	75	Resp:	82152
Ion	Ratio	Lower	Upper
75	100		
53	0.1	90.5	135.7#
89	0.0	40.2	60.4#

