

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
 Data File : VD075380.D
 Acq On : 21 Feb 2023 13:56
 Operator : KP/SY
 Sample : IBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 IBLK

Quant Time: Feb 21 17:56:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 16:26:04 2023
 Response via : Initial Calibration

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

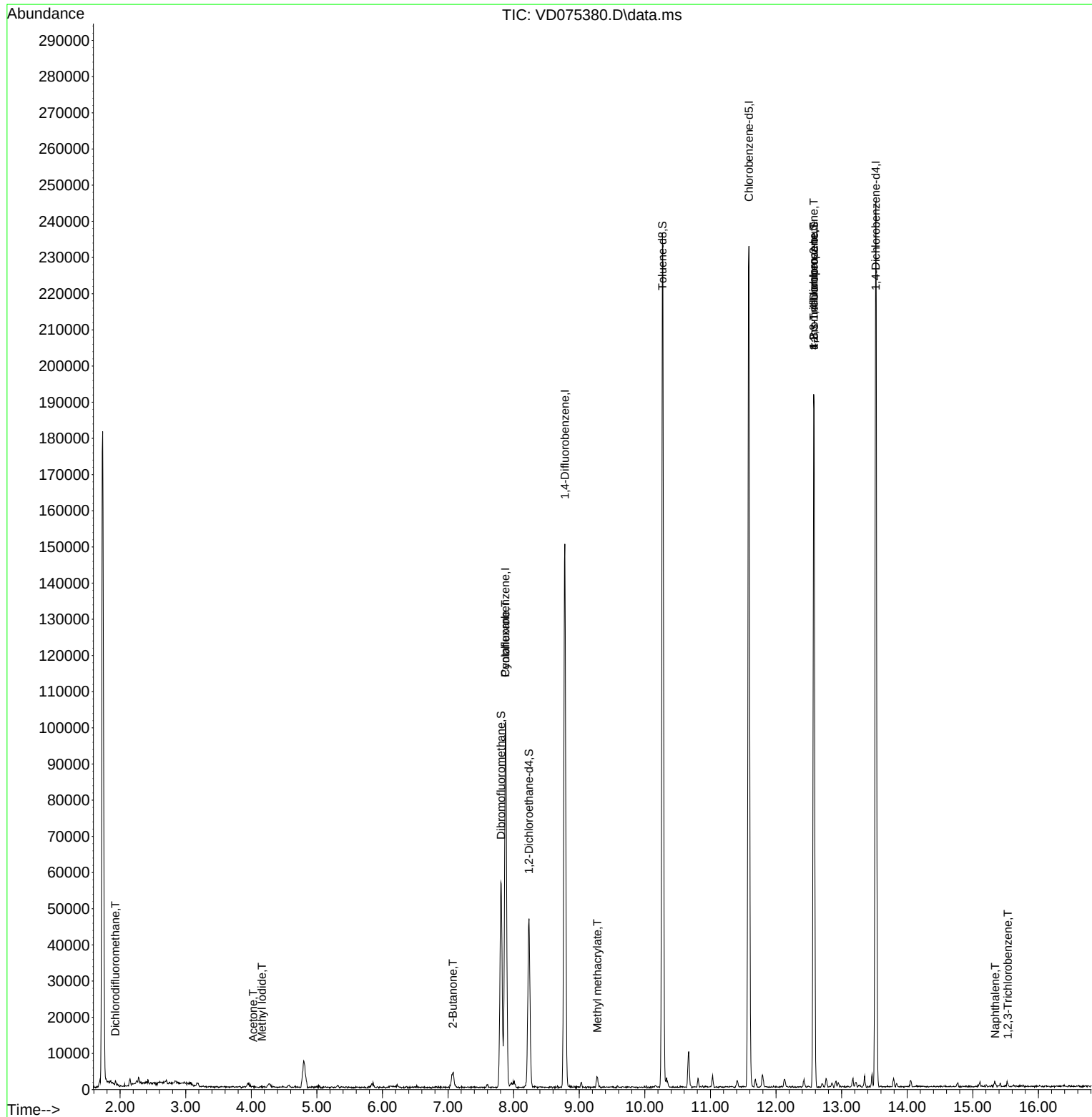
Internal Standards						
1) Pentafluorobenzene	7.875	168	74155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	126087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	129532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	61250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	36493	57.639	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.280%	
35) Dibromofluoromethane	7.810	113	38962	52.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.100%	
50) Toluene-d8	10.269	98	155735	57.652	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.300%	
62) 4-Bromofluorobenzene	12.575	95	55973	61.708	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 123.420%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	852	1.028	ug/l	90
10) Methyl Iodide	4.164	142	150	5.738	ug/l #	38
11) Tert butyl alcohol	5.040	59	53	Below Cal	#	100
16) Acetone	4.028	43	197	1.026	ug/l #	44
20) Methylene Chloride	4.805	84	5385	Below Cal	#	90
23) Vinyl Acetate	6.163	43	218	Below Cal	#	70
25) 2-Butanone	7.075	43	286	1.195	ug/l #	50
31) Cyclohexane	7.875	56	3060	2.033	ug/l #	59
48) Methyl methacrylate	9.275	41	729	1.470	ug/l #	61
76) 1,2,3-Trichloropropane	12.575	75	31377	67.092	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	31377	153.840	ug/l #	5
95) Naphthalene	15.339	128	1974	1.018	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.533	180	931	1.005	ug/l #	62

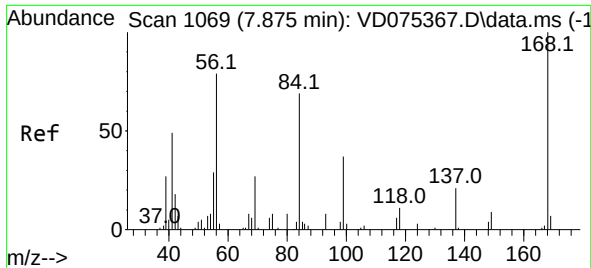
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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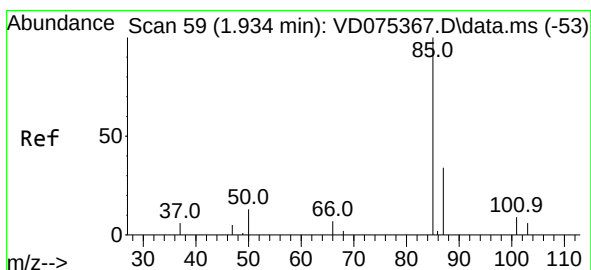
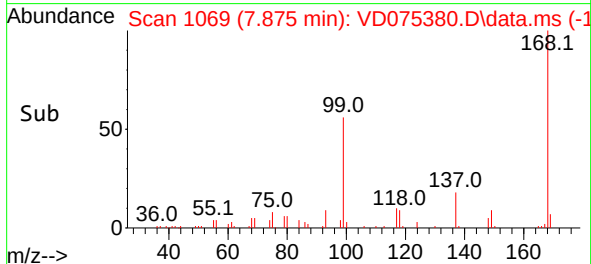
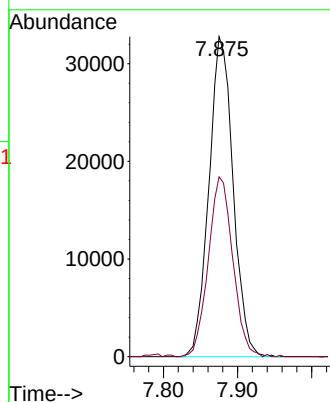
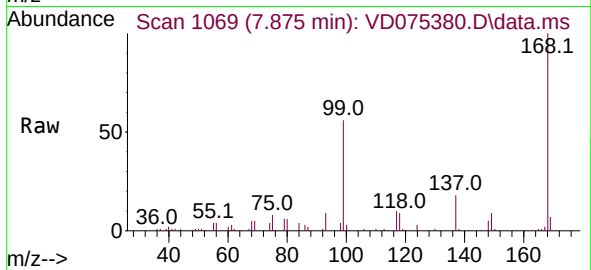




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

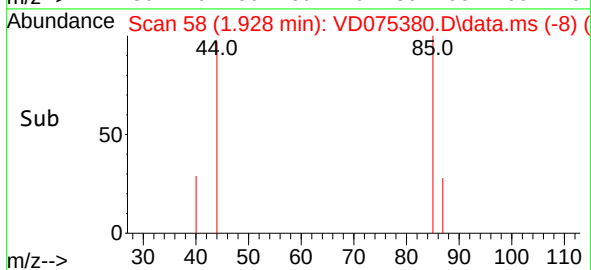
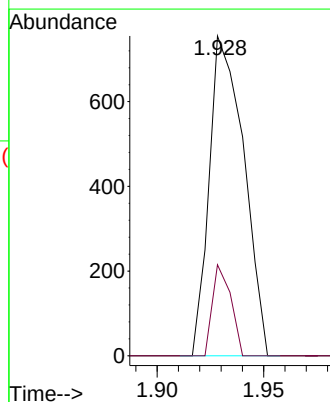
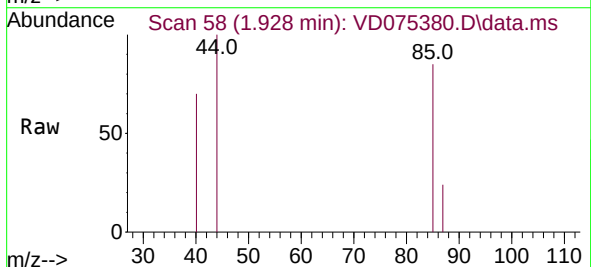
Instrument :
MSVOA_D
ClientSampleId :
IBLK

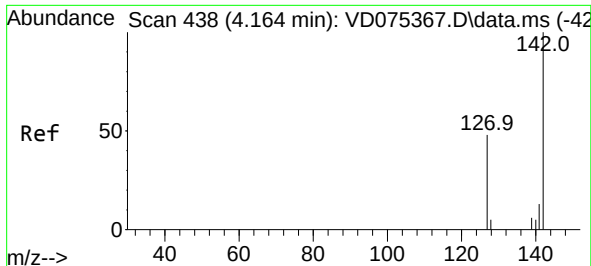
Tgt Ion:168 Resp: 74155
Ion Ratio Lower Upper
168 100
99 56.2 43.8 65.6



#2
Dichlorodifluoromethane
Concen: 1.028 ug/l
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

Tgt Ion: 85 Resp: 852
Ion Ratio Lower Upper
85 100
87 28.5 17.3 51.7





#10

Methyl Iodide

Concen: 5.738 ug/l

RT: 4.164 min Scan# 41

Delta R.T. -0.000 min

Lab File: VD075380.D

Acq: 21 Feb 2023 13:56

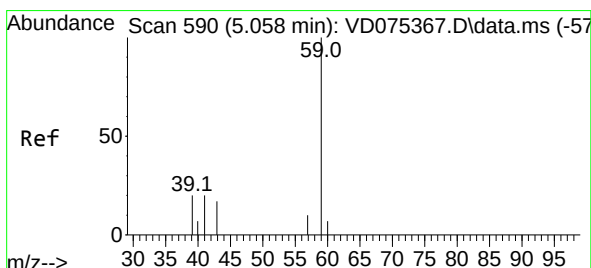
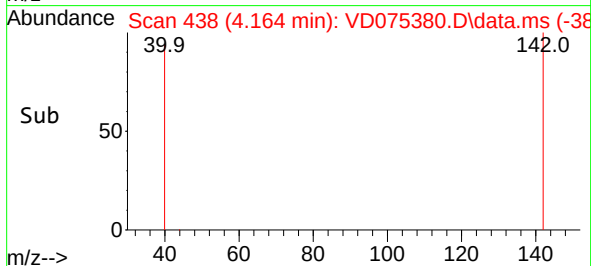
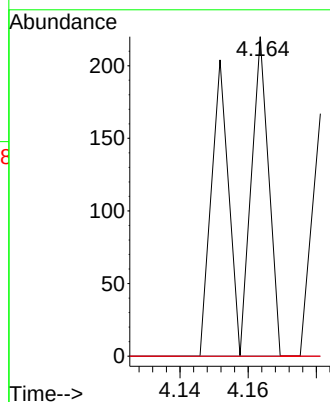
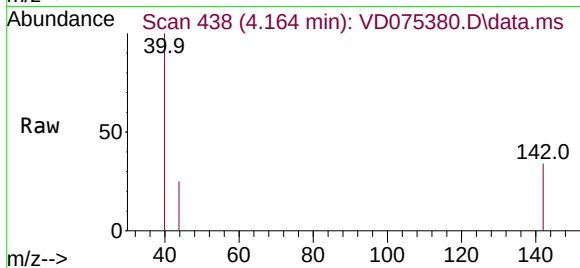
Instrument :

MSVOA_D

ClientSampleId :

IBLK

Tgt Ion:	142	Resp:	150
Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.1	55.7#
141	0.0	11.3	16.9#



#11

Tert butyl alcohol

Concen: Below Cal

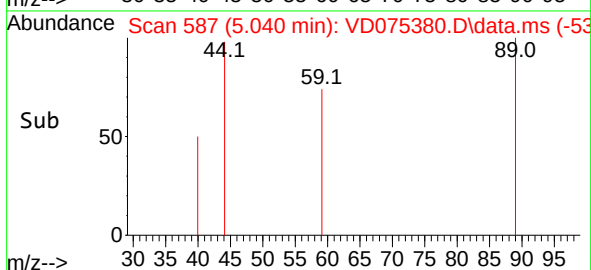
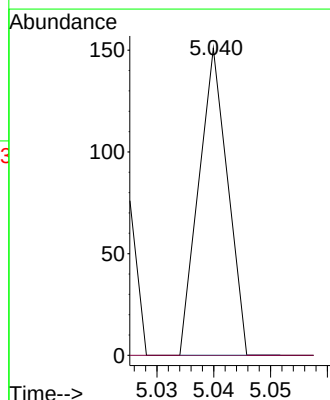
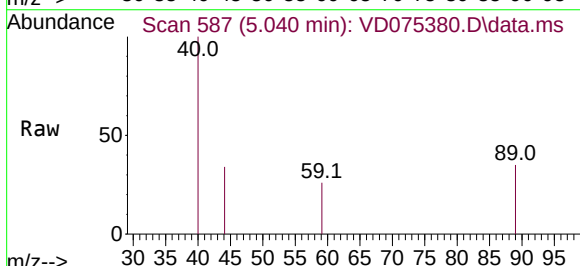
RT: 5.040 min Scan# 587

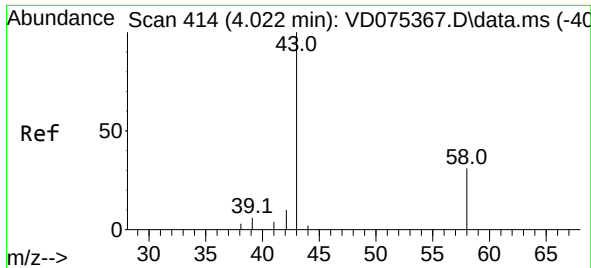
Delta R.T. -0.018 min

Lab File: VD075380.D

Acq: 21 Feb 2023 13:56

Tgt Ion:	59	Resp:	53
Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0





#16

Acetone

Concen: 1.026 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD075380.D

Acq: 21 Feb 2023 13:56

Instrument :

MSVOA_D

ClientSampleId :

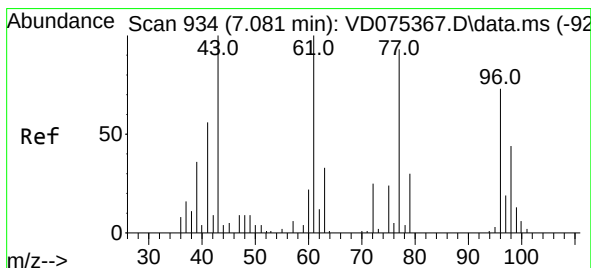
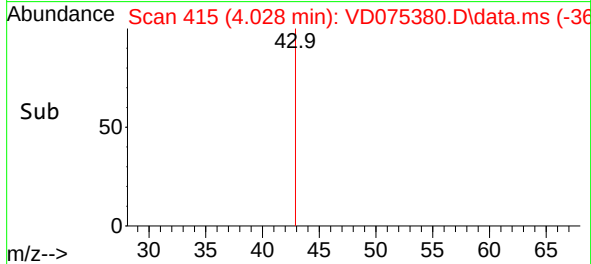
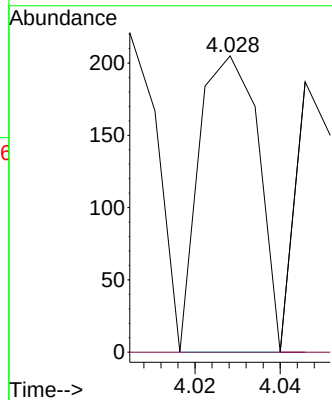
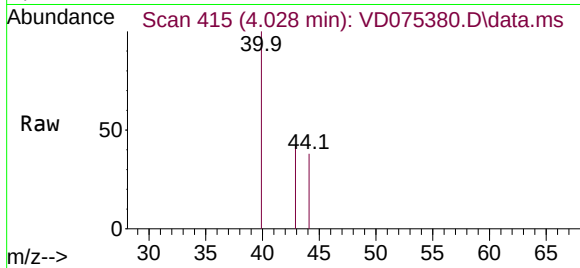
IBLK

Tgt Ion: 43 Resp: 197

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#25

2-Butanone

Concen: 1.195 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.006 min

Lab File: VD075380.D

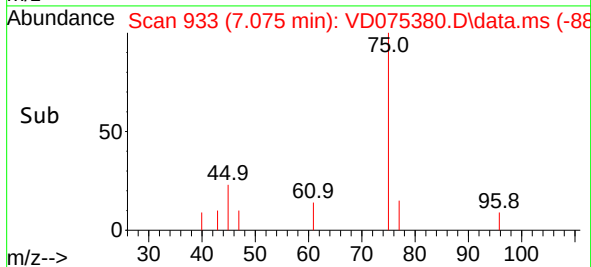
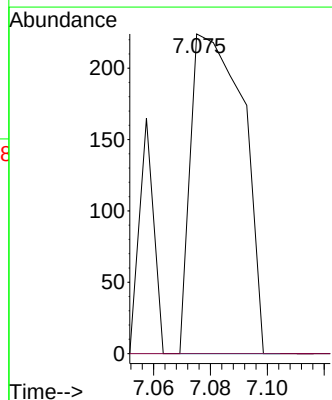
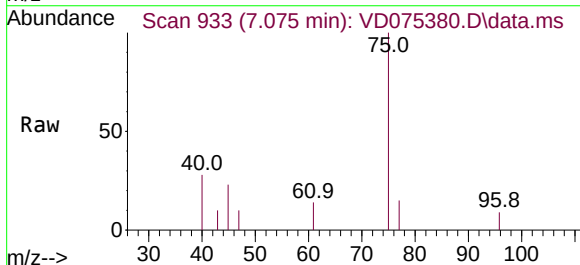
Acq: 21 Feb 2023 13:56

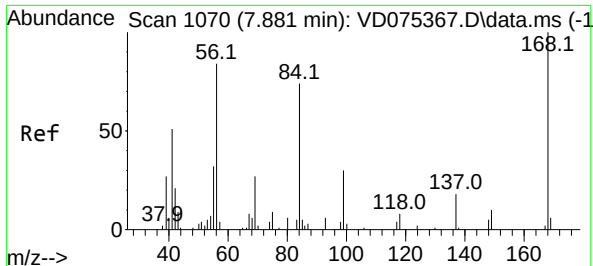
Tgt Ion: 43 Resp: 286

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.8#

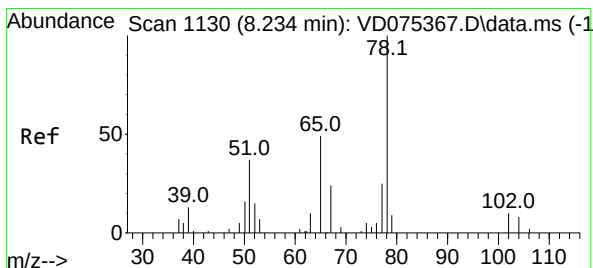
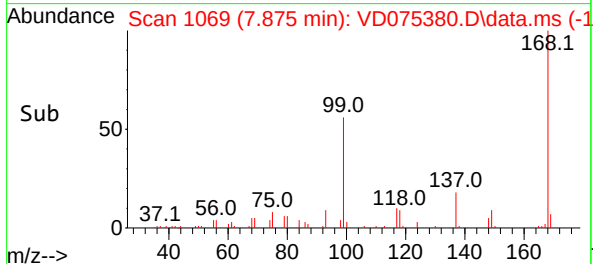
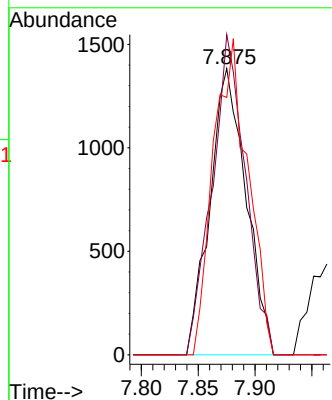
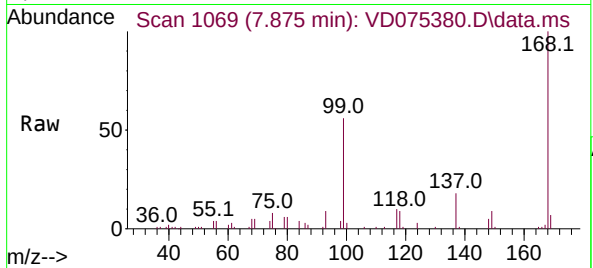




#31
Cyclohexane
Concen: 2.033 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

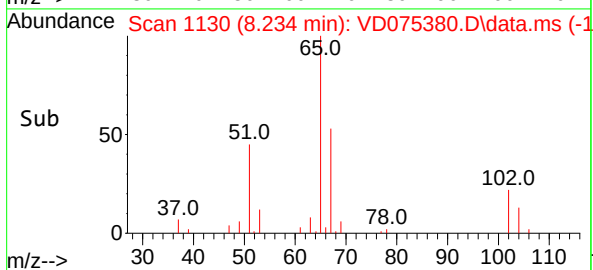
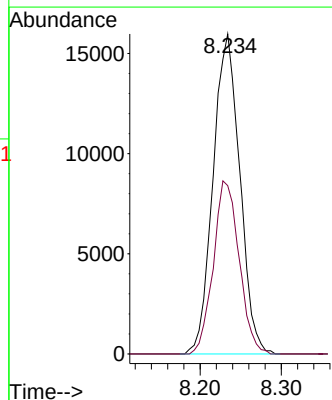
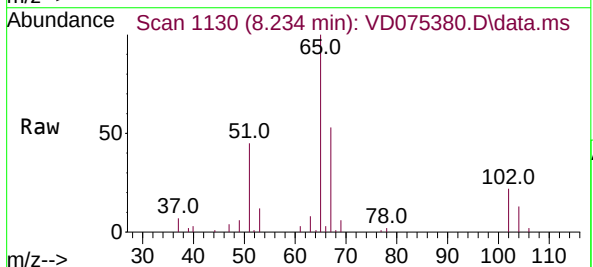
Instrument :
MSVOA_D
ClientSampleId :
IBLK

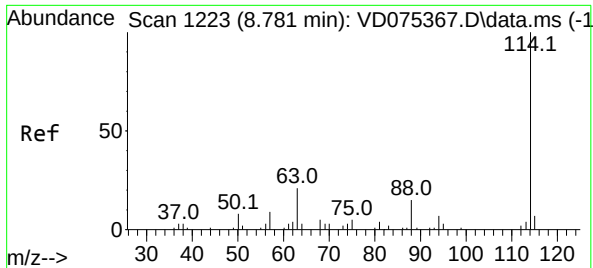
Tgt Ion: 56 Resp: 3060
Ion Ratio Lower Upper
56 100
69 111.9 25.5 38.3#
84 89.9 69.6 104.4



#33
1,2-Dichloroethane-d4
Concen: 57.639 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

Tgt Ion: 65 Resp: 36493
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.2

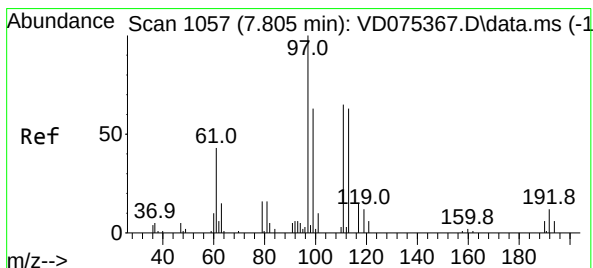
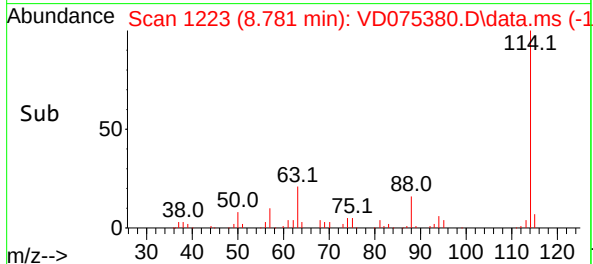
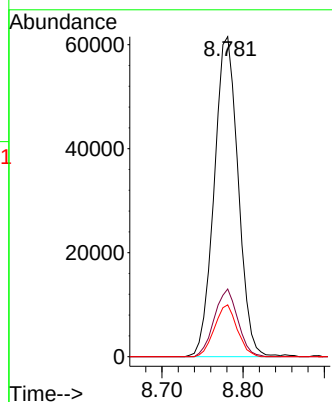
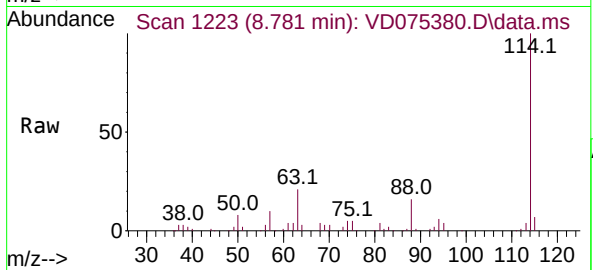




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

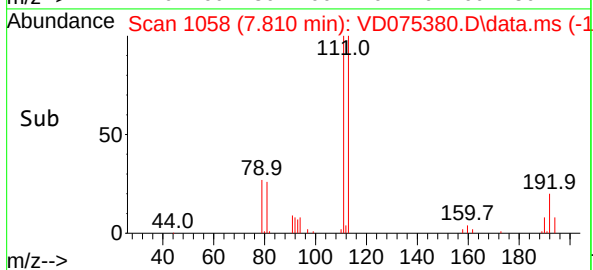
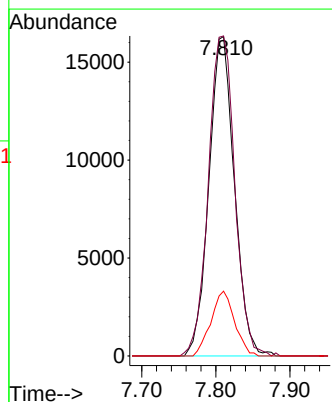
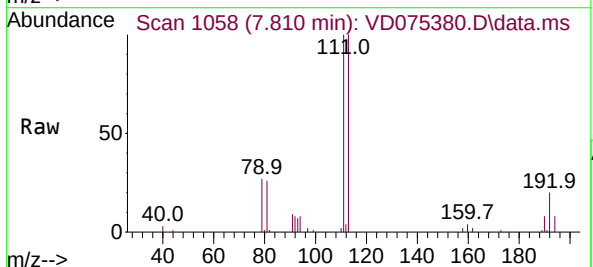
Instrument :
MSVOA_D
ClientSampleId :
IBLK

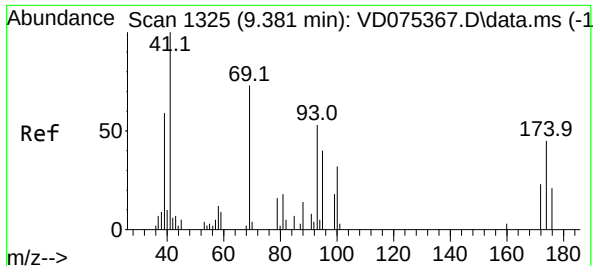
Tgt Ion:114 Resp: 126087
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.6
88 16.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.053 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.005 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

Tgt Ion:113 Resp: 38962
Ion Ratio Lower Upper
113 100
111 104.2 81.4 122.0
192 18.8 15.2 22.8





#48

Methyl methacrylate

Concen: 1.470 ug/l

RT: 9.275 min Scan# 1307

Delta R.T. -0.106 min

Lab File: VD075380.D

Acq: 21 Feb 2023 13:56

Instrument :

MSVOA_D

ClientSampleId :

IBLK

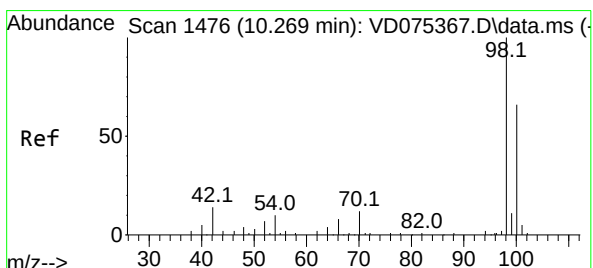
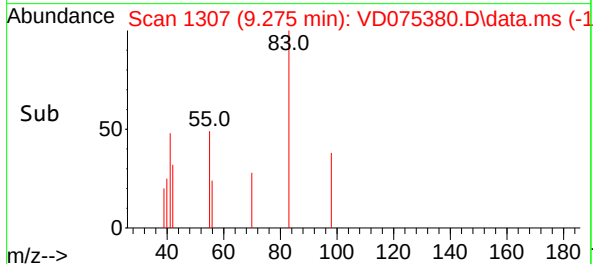
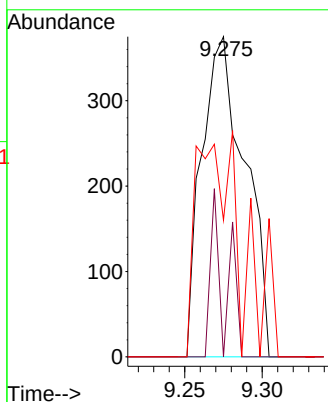
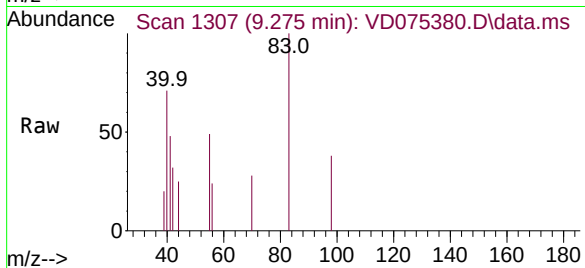
Tgt Ion: 41 Resp: 729

Ion Ratio Lower Upper

41 100

69 17.1 58.6 88.0#

39 72.7 53.4 80.0



#50

Toluene-d8

Concen: 57.652 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075380.D

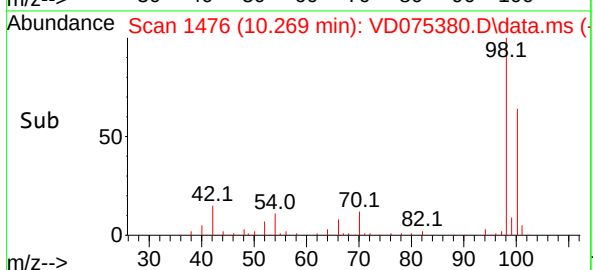
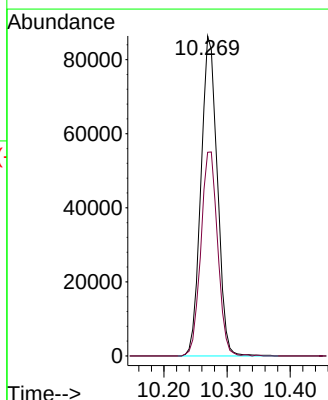
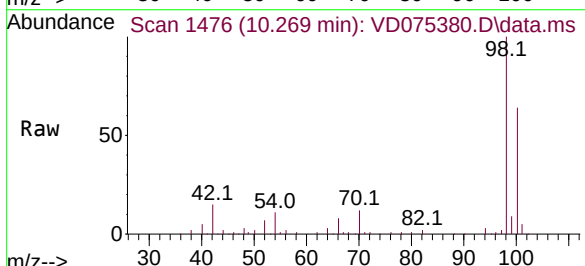
Acq: 21 Feb 2023 13:56

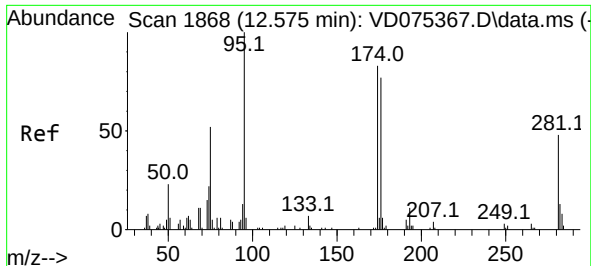
Tgt Ion: 98 Resp: 155735

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1

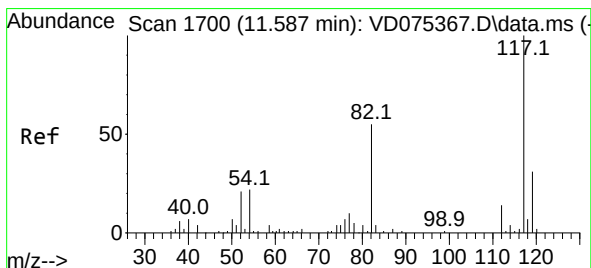
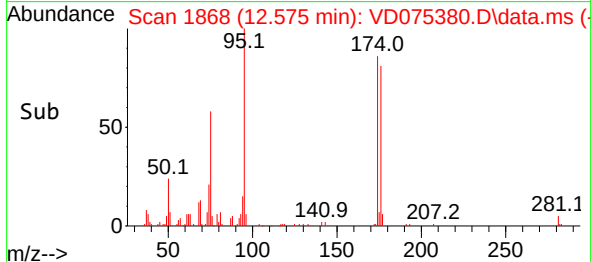
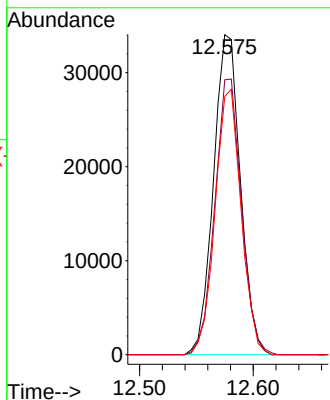
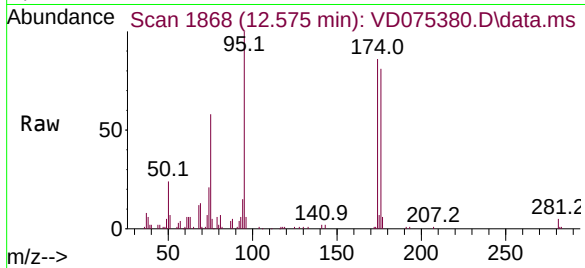




#62
4-Bromofluorobenzene
Concen: 61.708 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

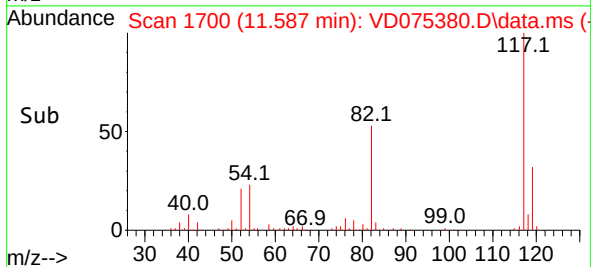
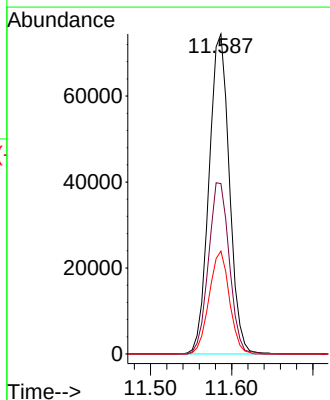
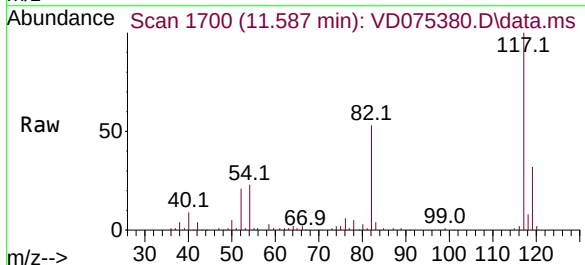
Instrument :
MSVOA_D
ClientSampleId :
IBLK

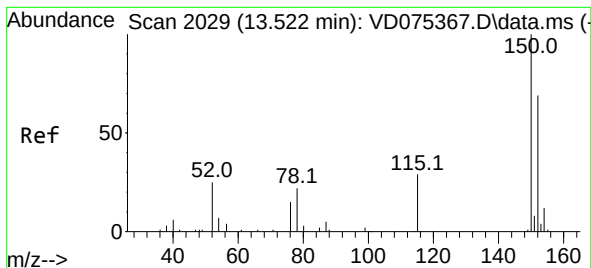
Tgt Ion:	95	Resp:	55973
Ion Ratio	Lower	Upper	
95	100		
174	85.6	0.0	164.0
176	80.3	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

Tgt Ion:	117	Resp:	129532
Ion Ratio	Lower	Upper	
117	100		
82	53.3	44.0	66.0
119	32.2	25.1	37.7

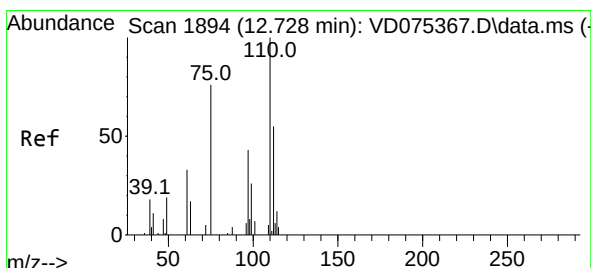
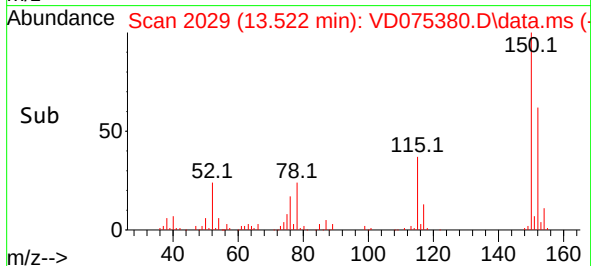
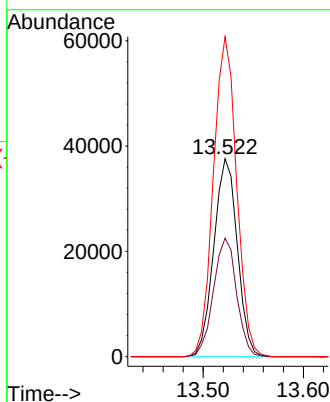
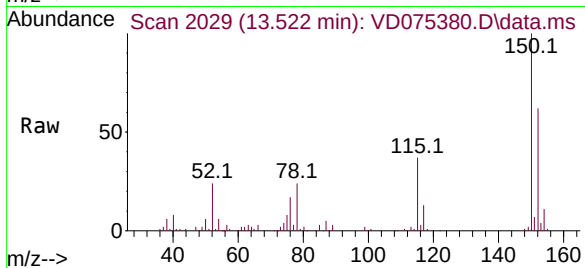




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

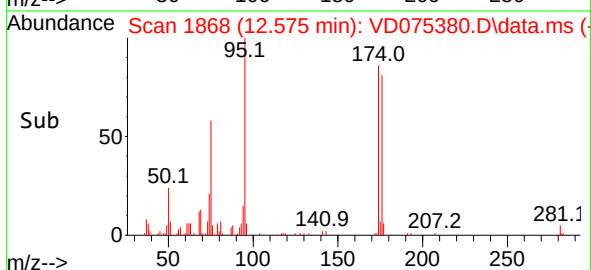
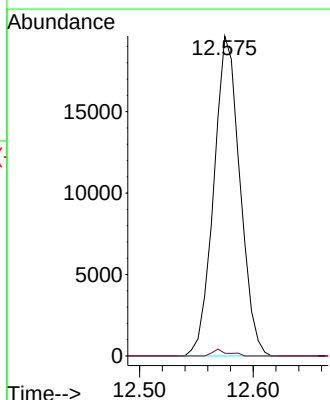
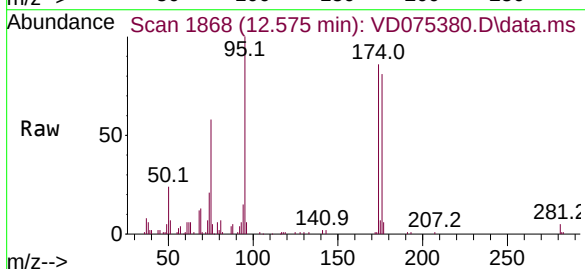
Instrument :
MSVOA_D
ClientSampleId :
IBLK

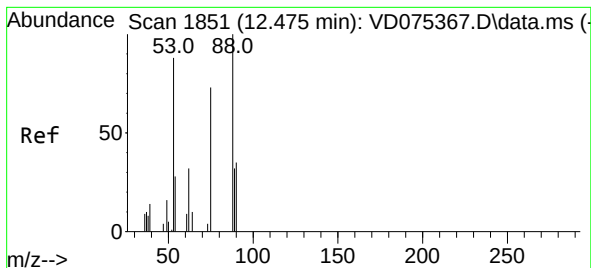
Tgt Ion:152 Resp: 61250
Ion Ratio Lower Upper
152 100
115 58.9 30.1 90.3
150 159.8 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 67.092 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

Tgt Ion: 75 Resp: 31377
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

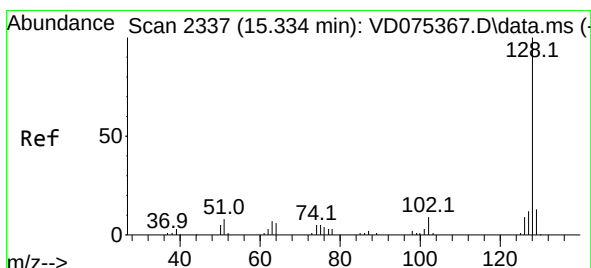
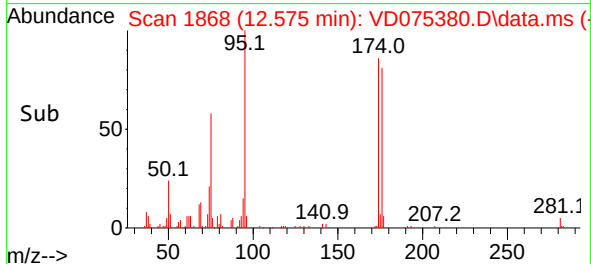
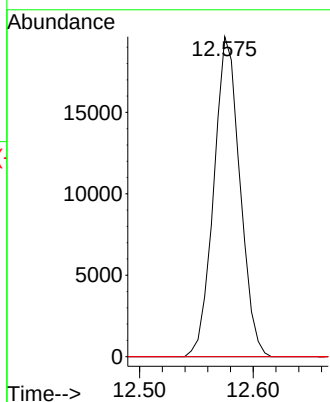
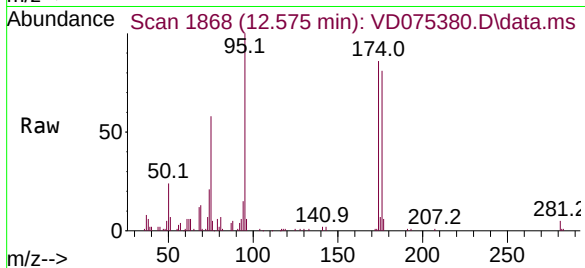




#81
trans-1,4-Dichloro-2-butene
Concen: 153.840 ug/l
RT: 12.575 min Scan# 1851
Delta R.T. 0.100 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

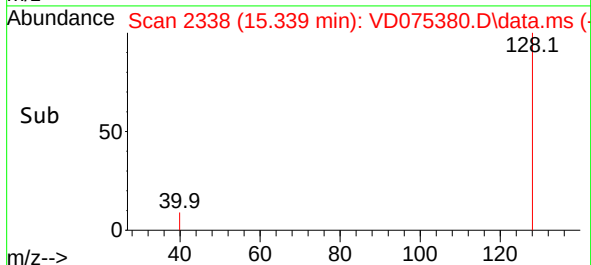
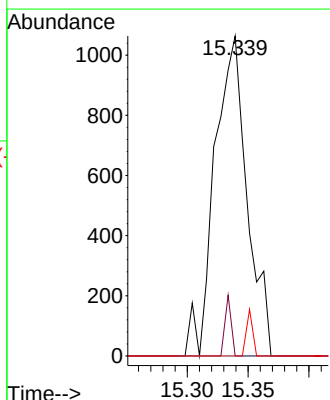
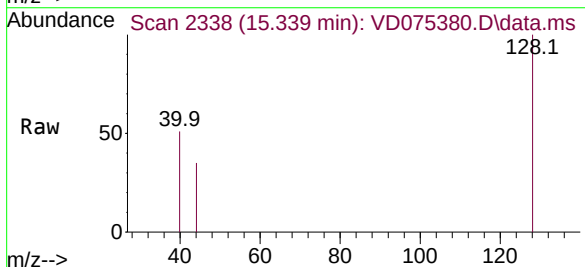
Instrument :
MSVOA_D
ClientSampleId :
IBLK

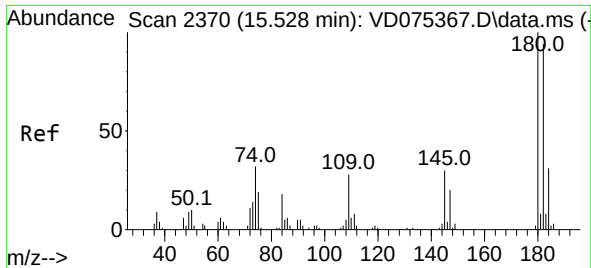
Tgt Ion: 75 Resp: 31377
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#



#95
Naphthalene
Concen: 1.018 ug/l
RT: 15.339 min Scan# 2338
Delta R.T. 0.005 min
Lab File: VD075380.D
Acq: 21 Feb 2023 13:56

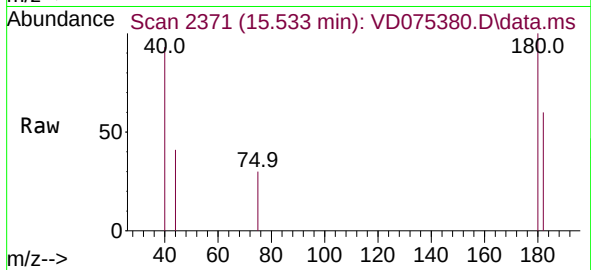
Tgt Ion:128 Resp: 1974
Ion Ratio Lower Upper
128 100
127 3.6 10.4 15.6#
129 2.8 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.005 ug/l
 RT: 15.533 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VD075380.D
 Acq: 21 Feb 2023 13:56

Instrument :
 MSVOA_D
 ClientSampleId :
 IBLK



Tgt Ion:180 Resp: 931
 Ion Ratio Lower Upper
 180 100
 182 57.8 47.7 143.1
 145 12.9 16.4 49.4#

