

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073094.D
 Acq On : 18 May 2022 12:53
 Operator : VA/SY
 Sample : N2855-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-051322

Quant Time: May 18 16:29:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

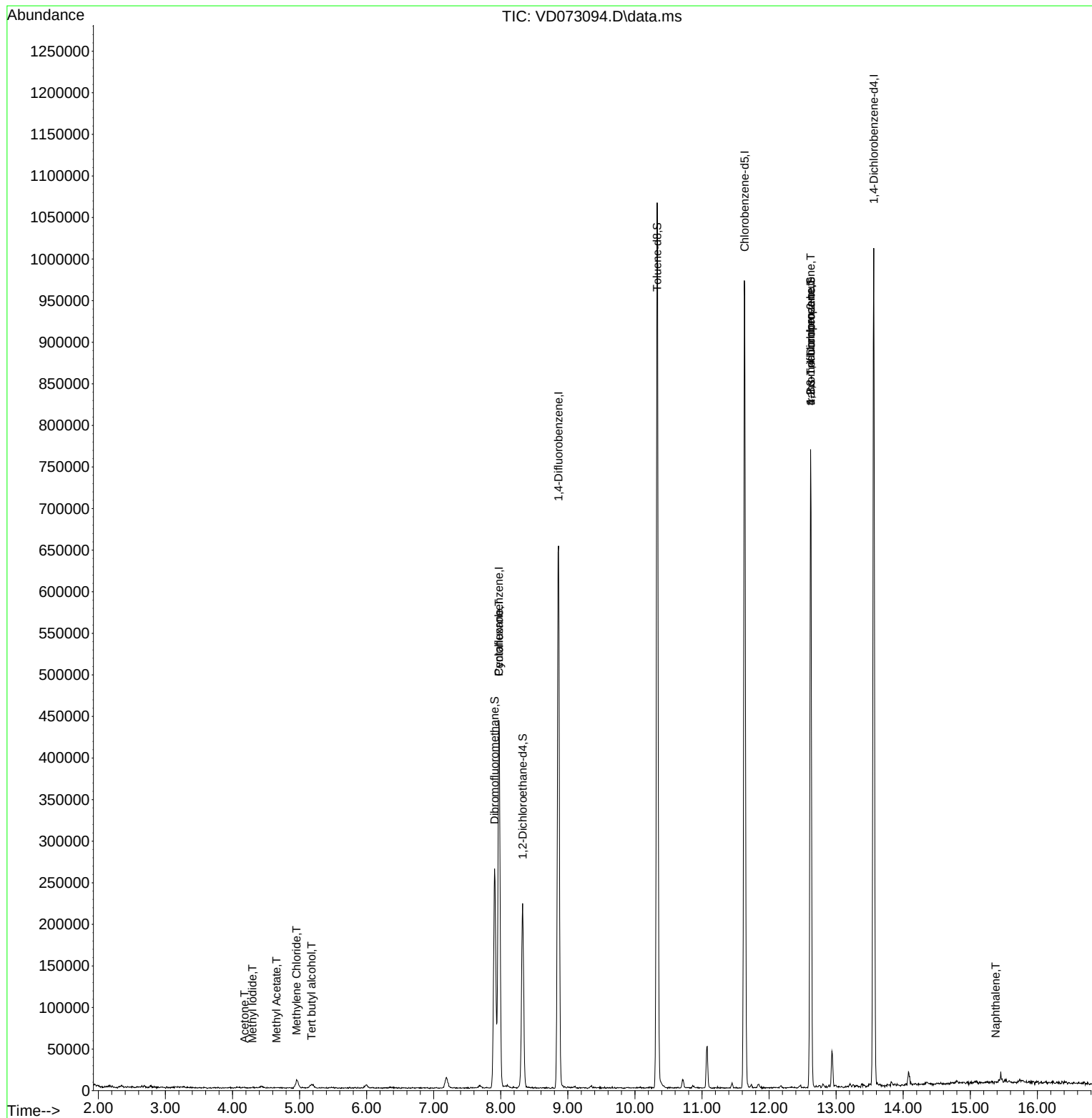
Internal Standards						
1) Pentafluorobenzene	7.973	168	312963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	570694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	572455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	258598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	171729	43.877	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.760%
35) Dibromofluoromethane	7.908	113	190593	47.566	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.140%
50) Toluene-d8	10.332	98	700644	48.200	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.400%
62) 4-Bromofluorobenzene	12.620	95	251727	47.812	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.620%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	1352	4.544	ug/l #	57
11) Tert butyl alcohol	5.179	59	4859	8.026	ug/l #	74
16) Acetone	4.179	43	1399	1.975	ug/l #	47
18) Methyl Acetate	4.656	43	61	1.487	ug/l #	55
20) Methylene Chloride	4.956	84	7026	1.367	ug/l	86
31) Cyclohexane	7.973	56	8295	1.177	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	126428	43.249	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	126428	103.700	ug/l #	7
95) Naphthalene	15.379	128	1115	4.362	ug/l #	70

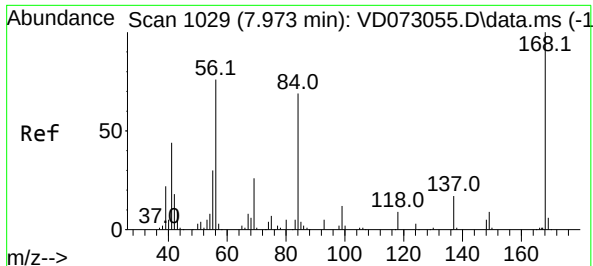
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

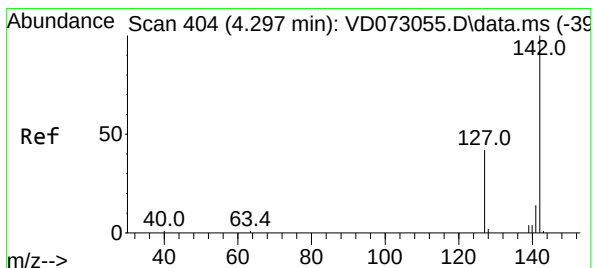
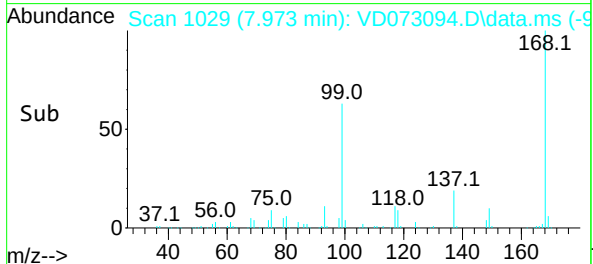
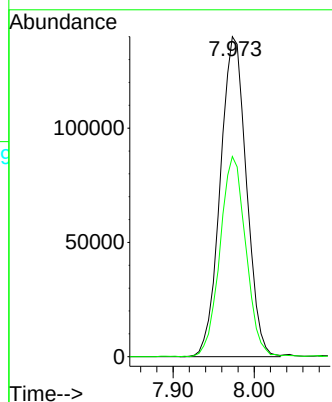
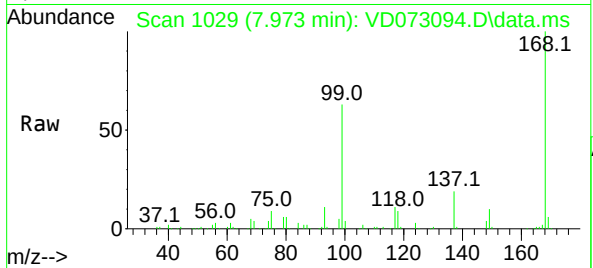




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

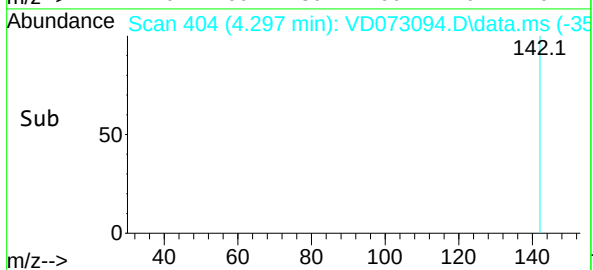
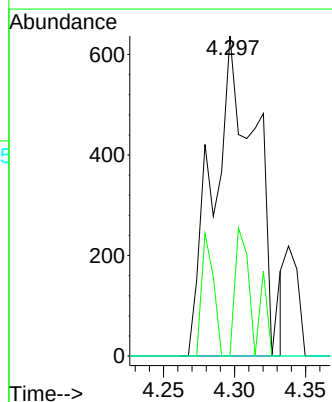
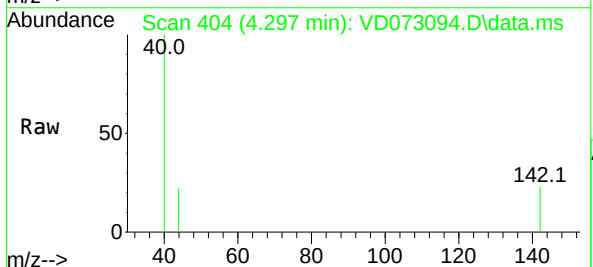
Instrument :
MSVOA_D
ClientSampleId :
NB-08-051322

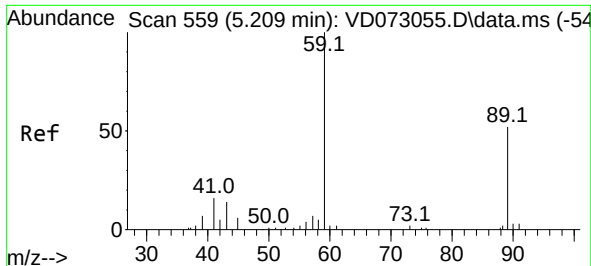
Tgt Ion:168 Resp: 312963
Ion Ratio Lower Upper
168 100
99 62.5 49.8 74.6



#10
Methyl Iodide
Concen: 4.544 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

Tgt Ion:142 Resp: 1352
Ion Ratio Lower Upper
142 100
127 16.3 37.3 55.9#
141 0.0 11.7 17.5#

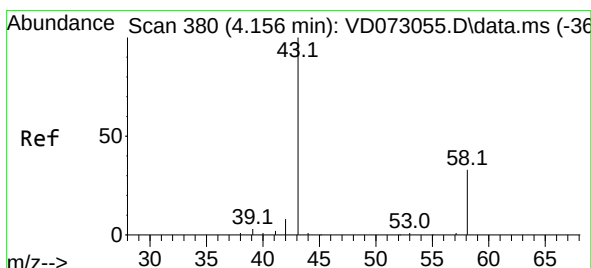
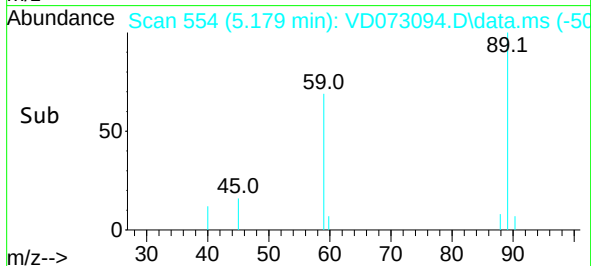
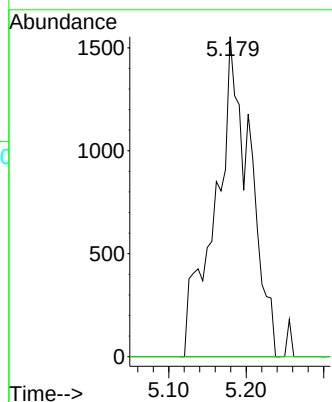
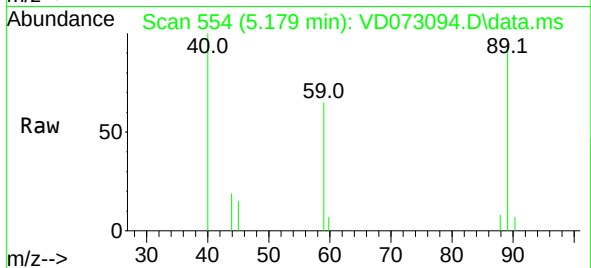




#11
Tert butyl alcohol
Concen: 8.026 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

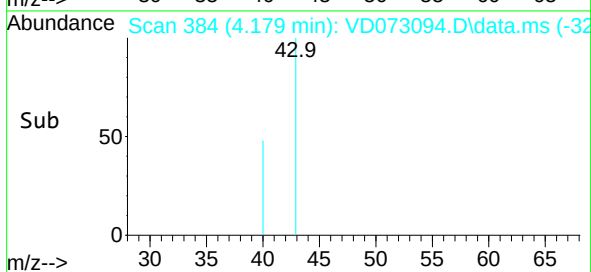
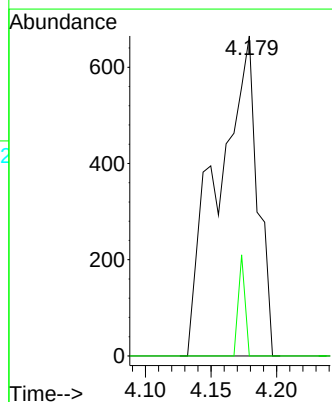
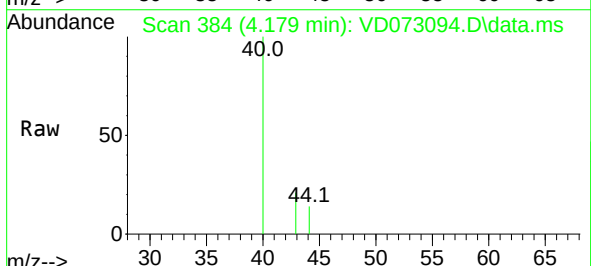
Instrument :
MSVOA_D
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NB-08-051322

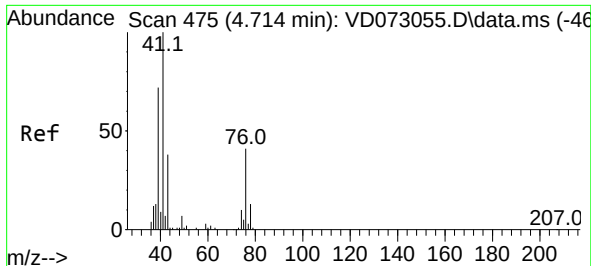
Tgt Ion: 59 Resp: 4859
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.975 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.024 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

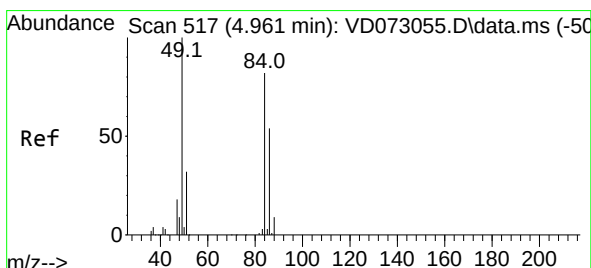
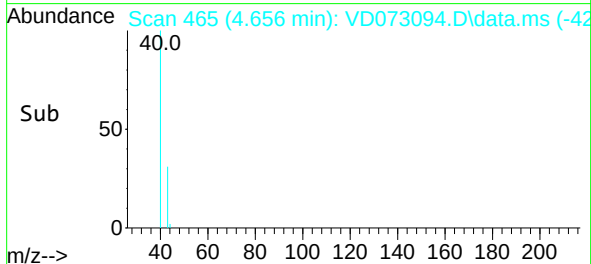
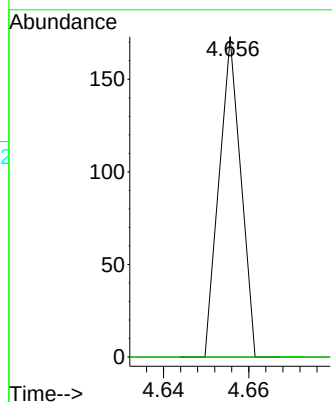
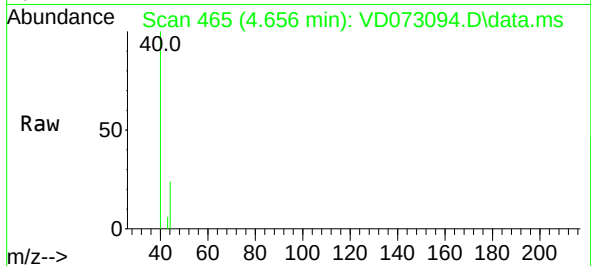




#18
Methyl Acetate
Concen: 1.487 ug/l
RT: 4.656 min Scan# 41
Delta R.T. -0.058 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

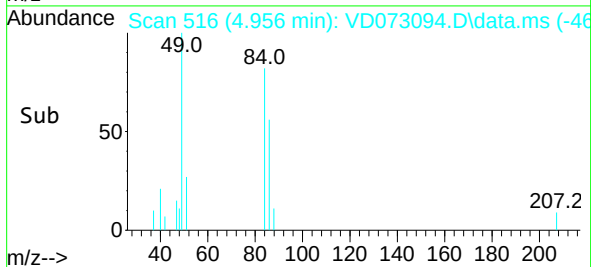
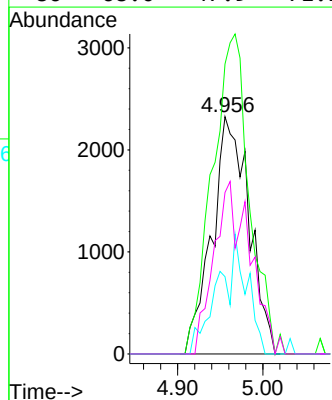
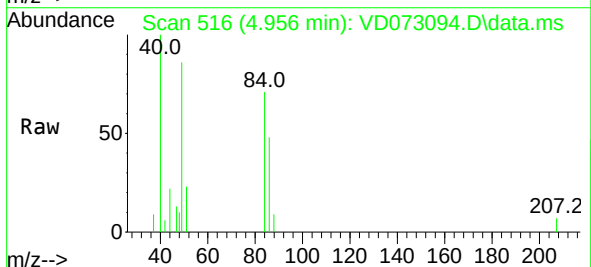
Instrument :
MSVOA_D
ClientSampleId :
NB-08-051322

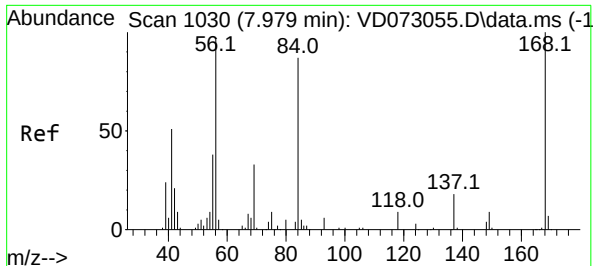
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 1.367 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

Tgt Ion: 84 Resp: 7026
Ion Ratio Lower Upper
84 100
49 122.2 112.8 169.2
51 32.6 32.6 48.8
86 68.0 47.9 71.9





#31

Cyclohexane

Concen: 1.177 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073094.D

Acq: 18 May 2022 12:53

Instrument :

MSVOA_D

ClientSampleId :

NB-08-051322

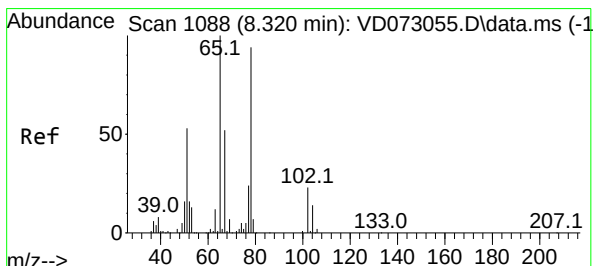
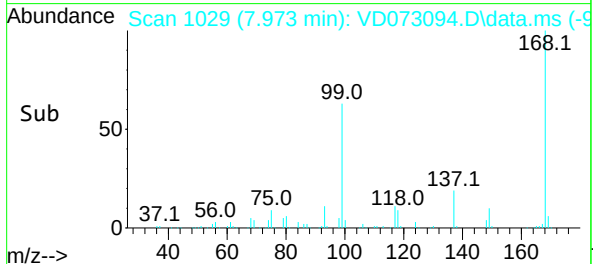
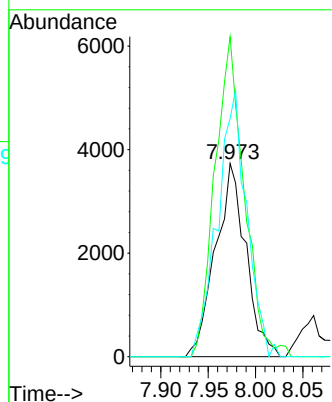
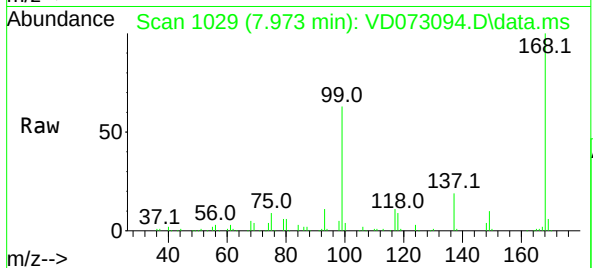
Tgt Ion: 56 Resp: 8295

Ion Ratio Lower Upper

56 100

69 165.6 25.4 38.2#

84 123.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 43.877 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD073094.D

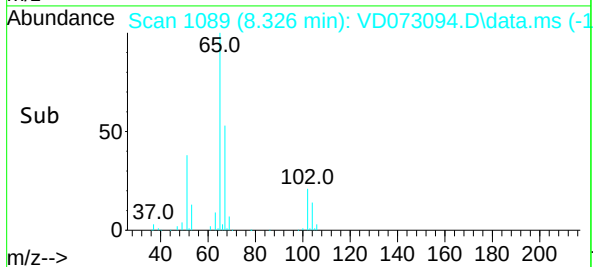
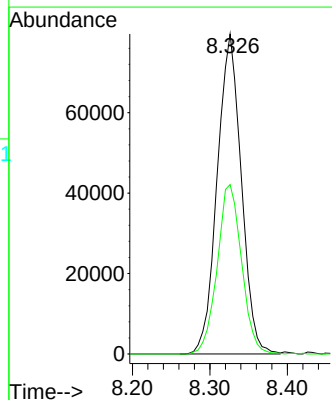
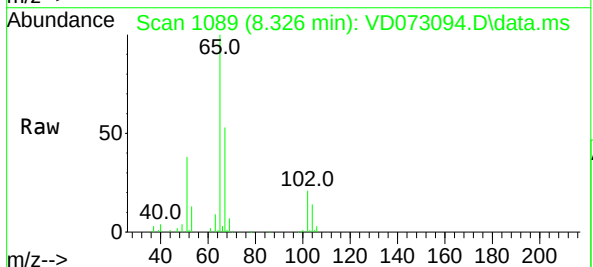
Acq: 18 May 2022 12:53

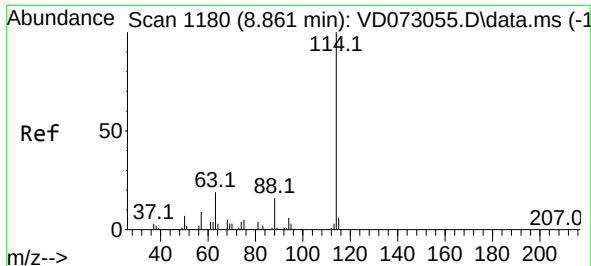
Tgt Ion: 65 Resp: 171729

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.4

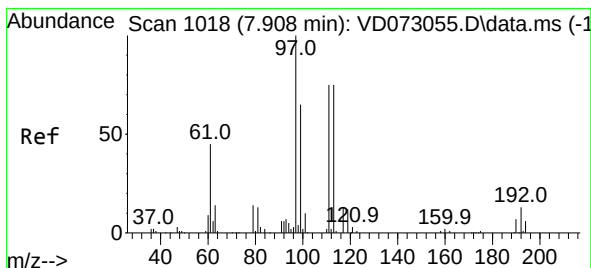
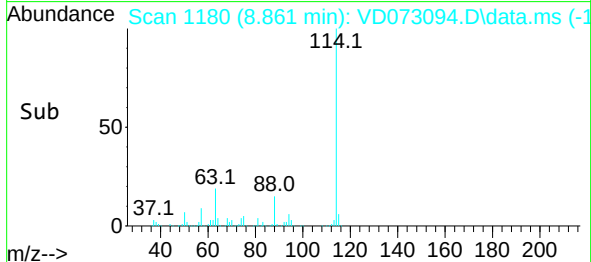
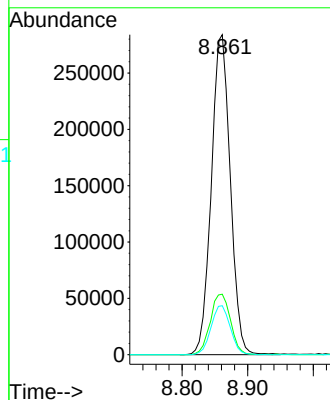
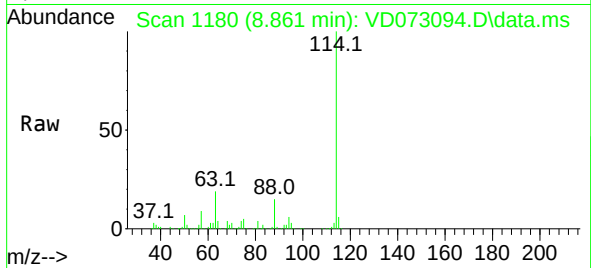




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

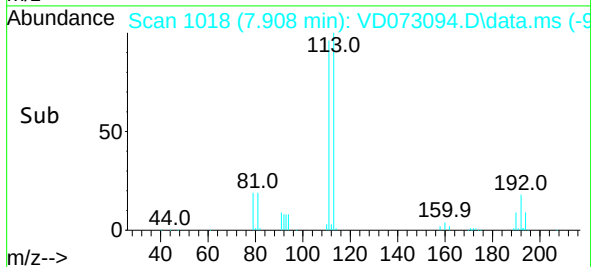
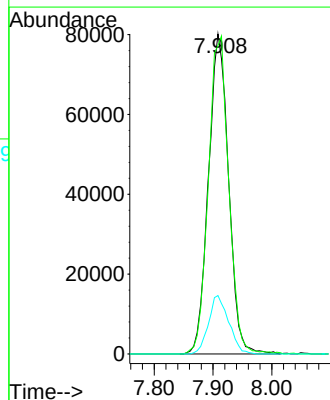
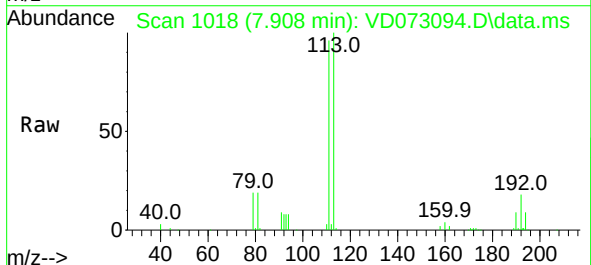
Instrument :
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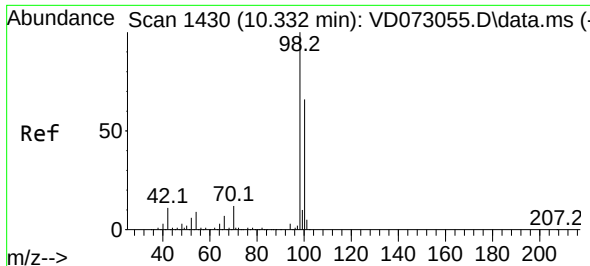
Tgt Ion:	114	Resp:	570694
Ion Ratio	Lower	Upper	
114	100		
63	18.9	0.0	46.6
88	15.3	0.0	33.2



#35
Dibromofluoromethane
Concen: 47.566 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

Tgt Ion:	113	Resp:	190593
Ion Ratio	Lower	Upper	
113	100		
111	100.6	83.8	125.6
192	18.3	14.6	21.8

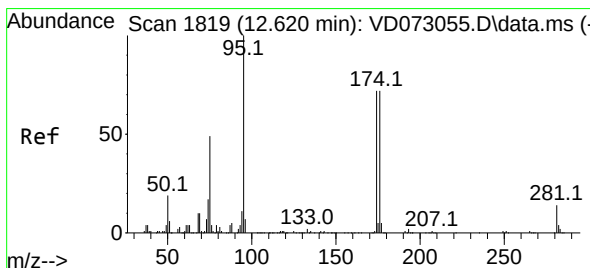
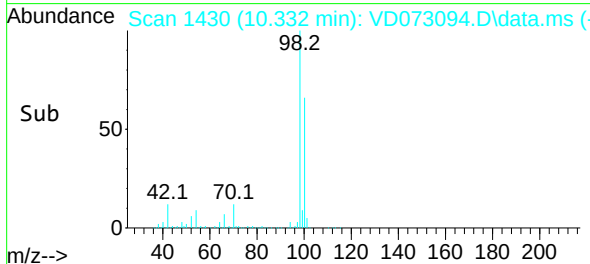
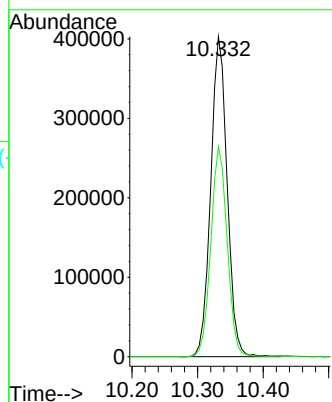
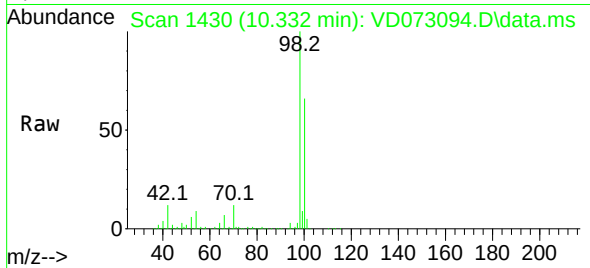




#50
Toluene-d8
Concen: 48.200 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

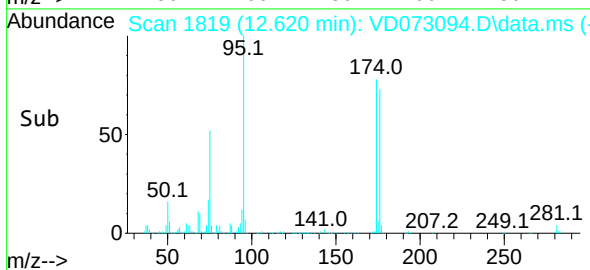
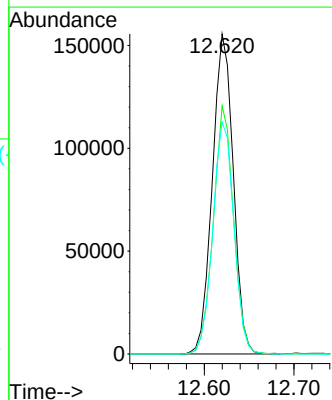
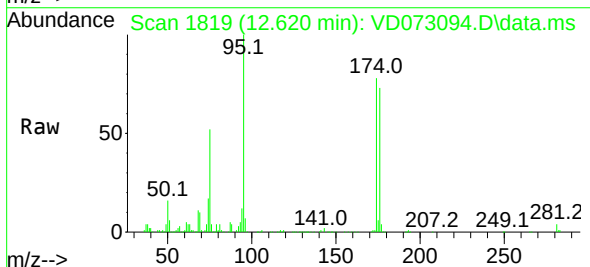
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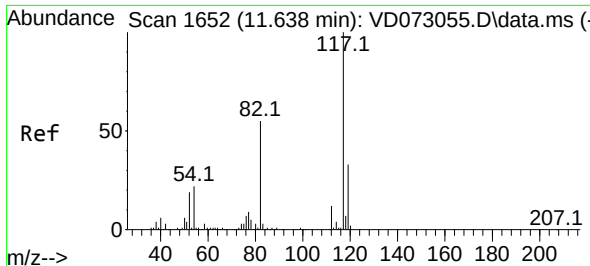
Tgt Ion: 98 Resp: 700644
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 47.812 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

Tgt Ion: 95 Resp: 251727
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.8
176 73.2 0.0 145.4

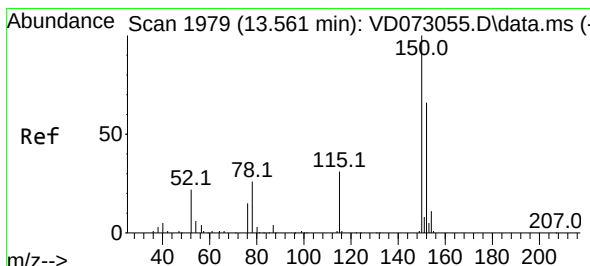
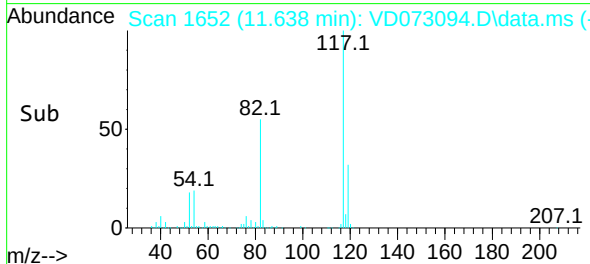
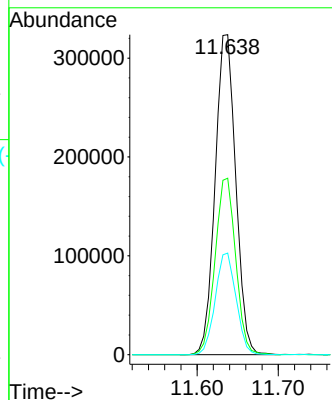
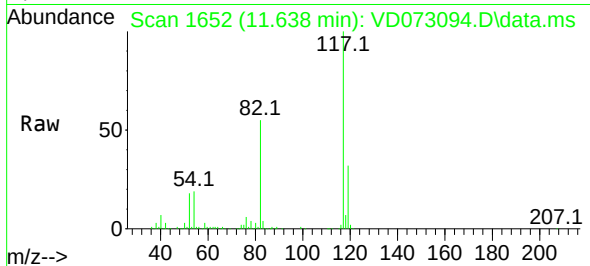




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

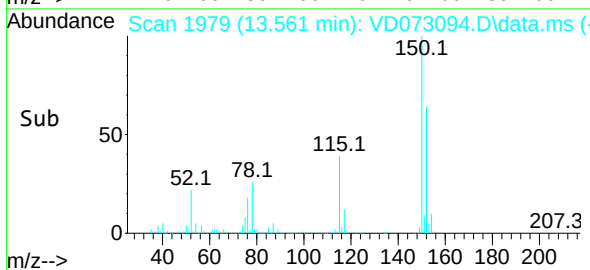
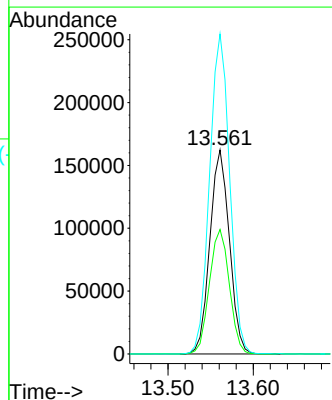
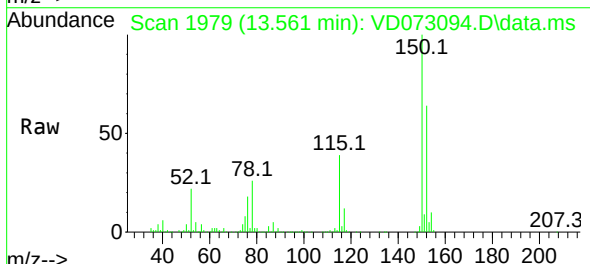
Instrument :
MSVOA_D
ClientSampleId :
NB-08-051322

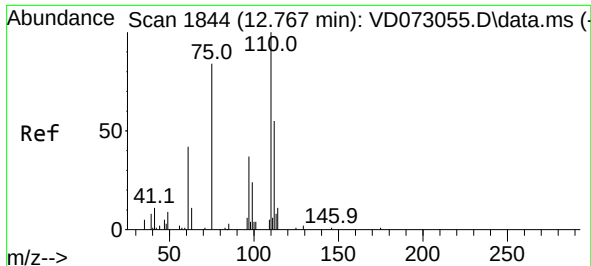
Tgt Ion:117 Resp: 572455
Ion Ratio Lower Upper
117 100
82 55.2 45.3 67.9
119 31.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

Tgt Ion:152 Resp: 258598
Ion Ratio Lower Upper
152 100
115 62.2 31.3 93.8
150 160.7 0.0 348.6

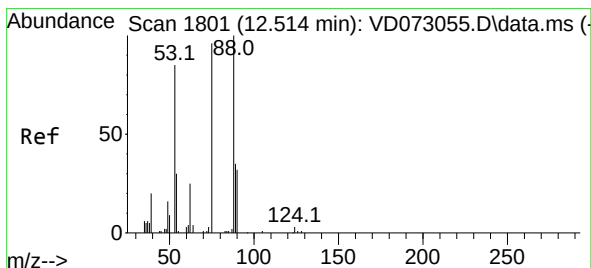
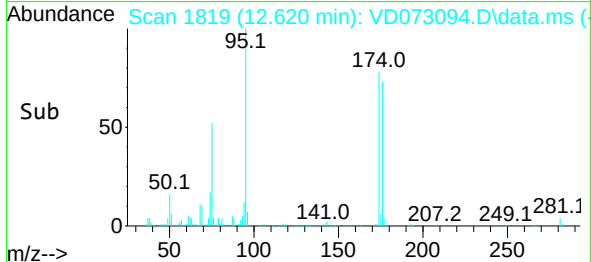
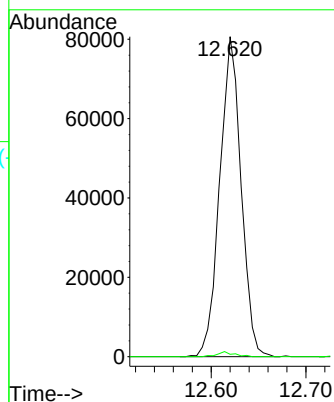
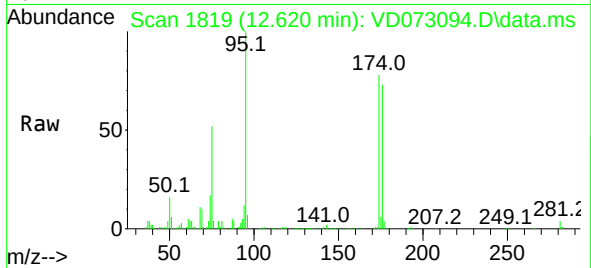




#76
 1,2,3-Trichloropropane
 Concen: 43.249 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073094.D
 Acq: 18 May 2022 12:53

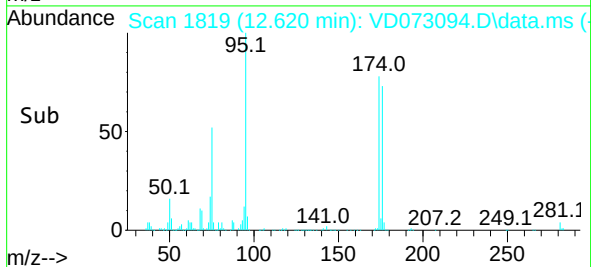
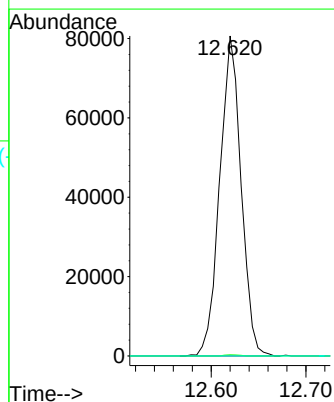
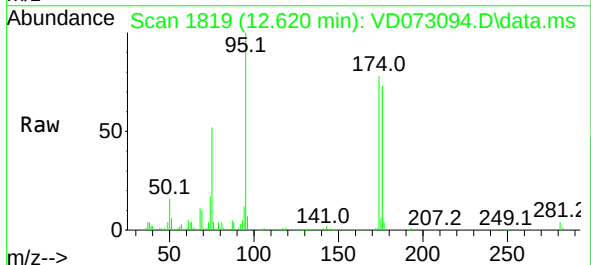
Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-051322

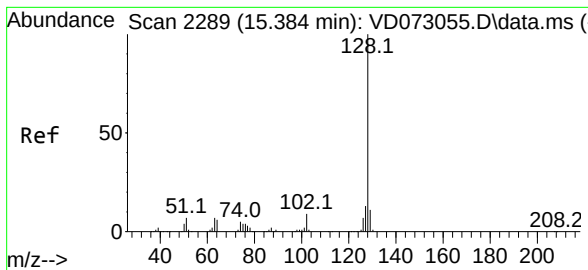
Tgt Ion: 75 Resp: 126428
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.700 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073094.D
 Acq: 18 May 2022 12:53

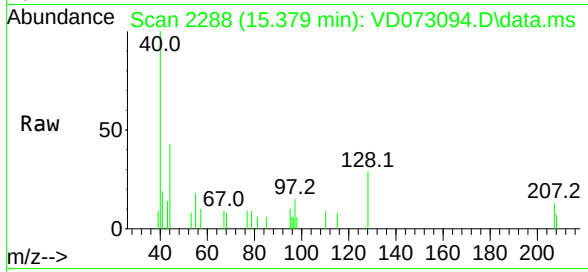
Tgt Ion: 75 Resp: 126428
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.5 129.7#
 89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 4.362 ug/l
RT: 15.379 min Scan# 211
Delta R.T. -0.005 min
Lab File: VD073094.D
Acq: 18 May 2022 12:53

Instrument :
MSVOA_D
ClientSampleId :
NB-08-051322



Tgt Ion:128 Resp: 1115
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

