

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073170.D
 Acq On : 20 May 2022 07:44
 Operator : VA/SY
 Sample : N2842-12
 Misc : 5.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P016-SS005-0006-02

Quant Time: May 20 07:54:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

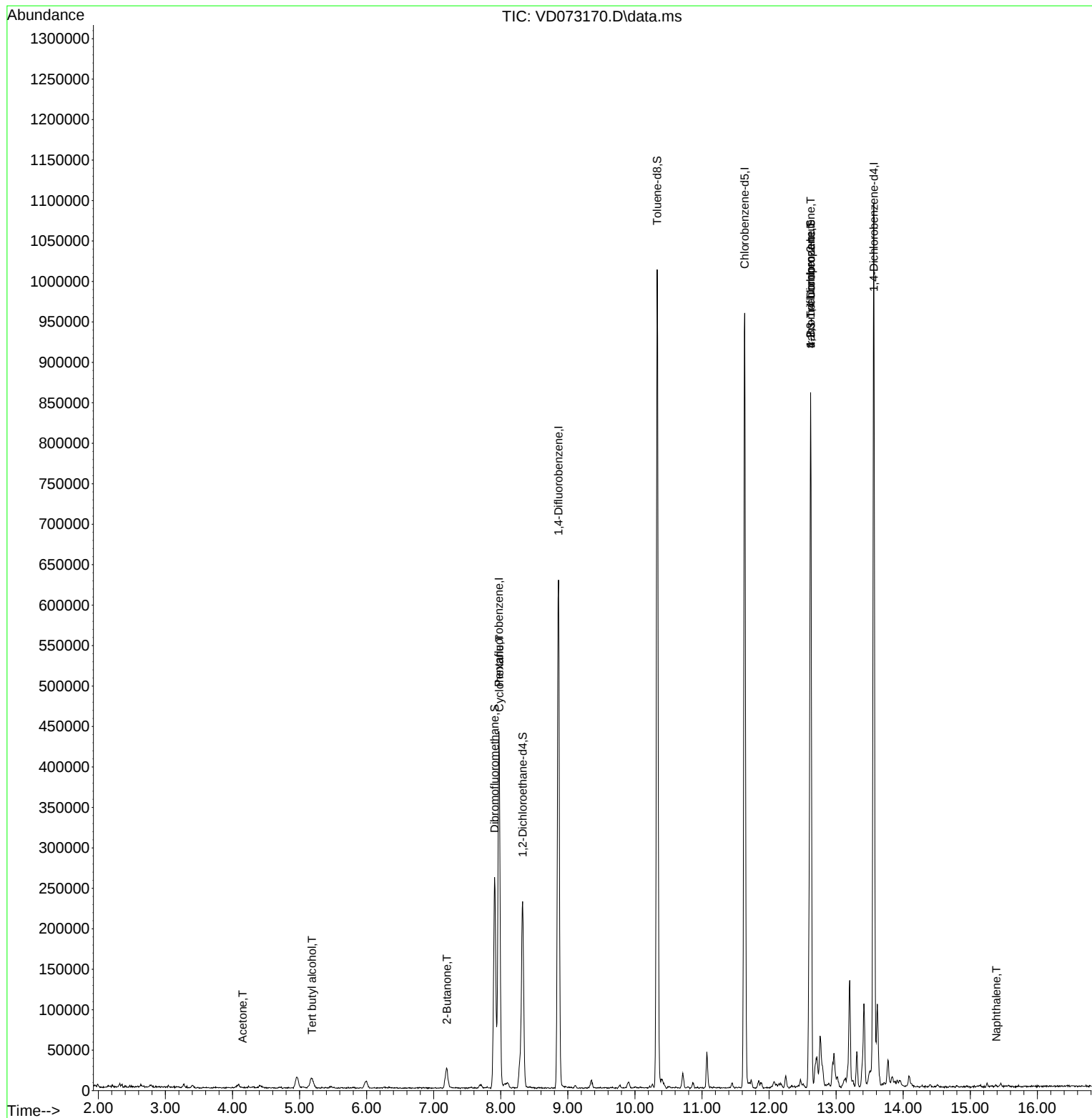
Internal Standards						
1) Pentafluorobenzene	7.973	168	311714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	545592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	565750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	279202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	177490	51.523	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.040%	
35) Dibromofluoromethane	7.908	113	186073	51.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.360%	
50) Toluene-d8	10.332	98	677824	51.075	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.160%	
62) 4-Bromofluorobenzene	12.620	95	275608	59.176	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1871	Below Cal		93
11) Tert butyl alcohol	5.185	59	12739	23.835 ug/l	#	74
16) Acetone	4.150	43	1569	2.630 ug/l	#	47
20) Methylene Chloride	4.950	84	10911	Below Cal	#	68
25) 2-Butanone	7.196	43	1153	1.321 ug/l	#	52
31) Cyclohexane	7.979	56	9882	1.642 ug/l	#	10
76) 1,2,3-Trichloropropane	12.620	75	139622	50.967 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	139622	122.356 ug/l	#	7
95) Naphthalene	15.390	128	1417	3.686 ug/l	#	90

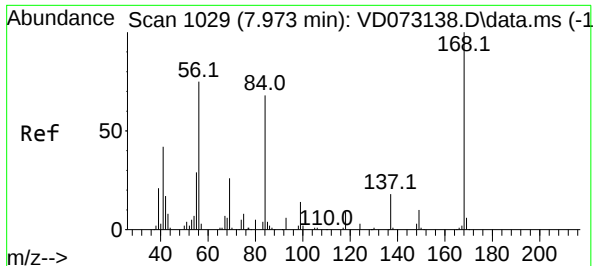
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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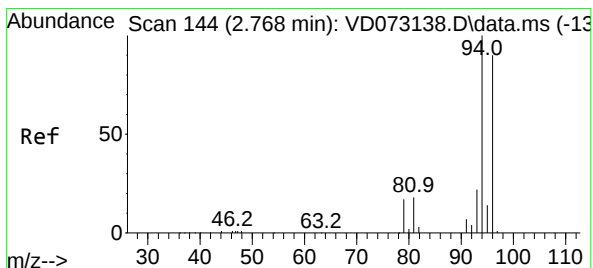
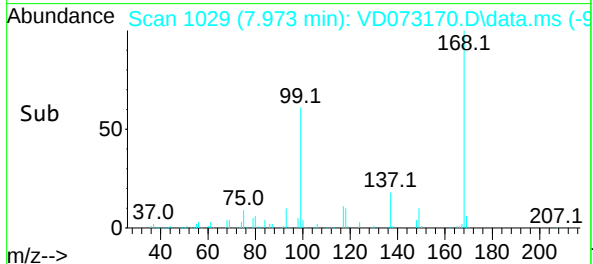
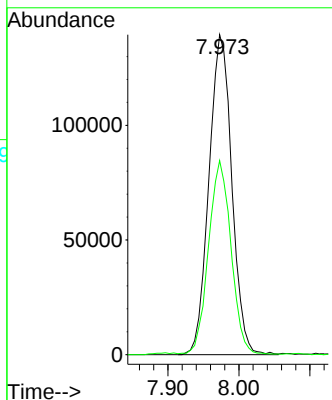
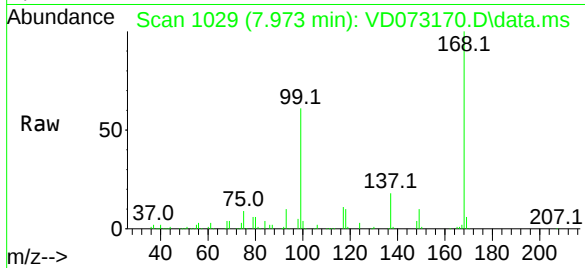




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

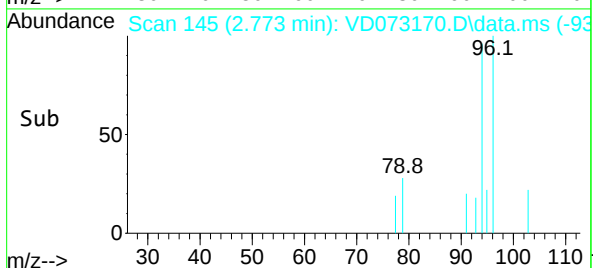
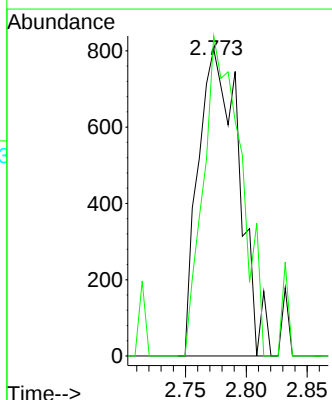
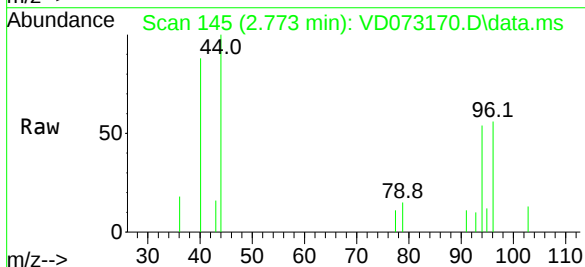
Instrument :
MSVOA_D
ClientSampleId :
P016-SS005-0006-02

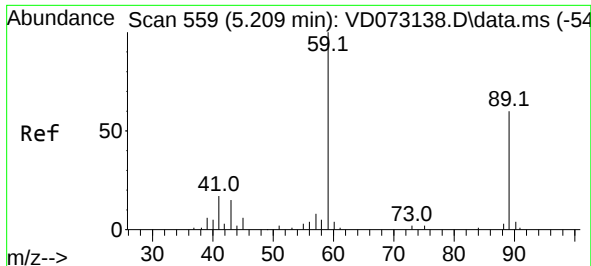
Tgt Ion:168 Resp: 311714
Ion Ratio Lower Upper
168 100
99 60.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

Tgt Ion: 94 Resp: 1871
Ion Ratio Lower Upper
94 100
96 104.2 77.6 116.4

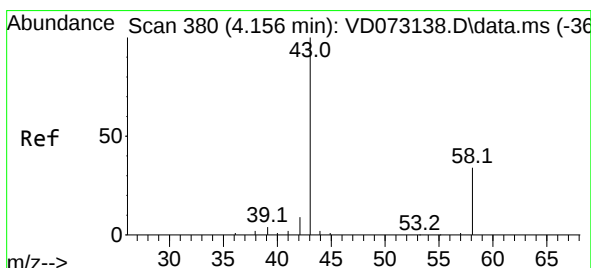
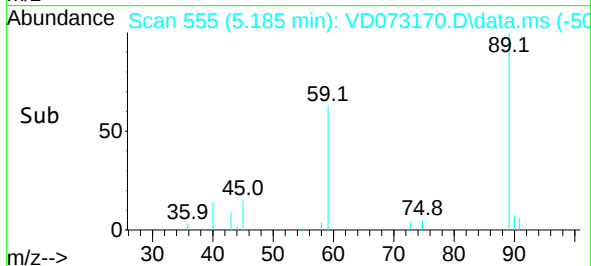
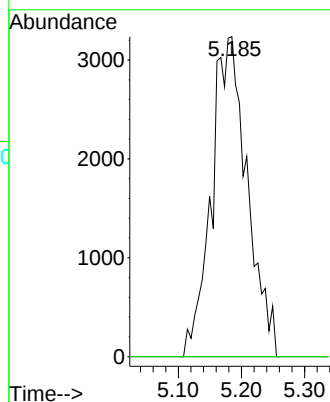
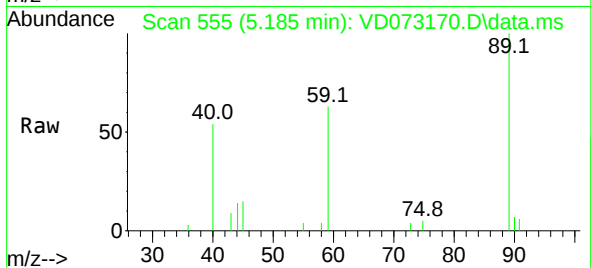




#11
Tert butyl alcohol
Concen: 23.835 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

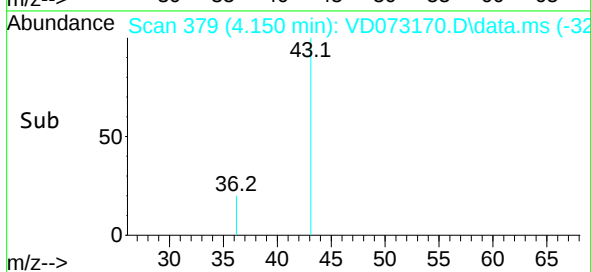
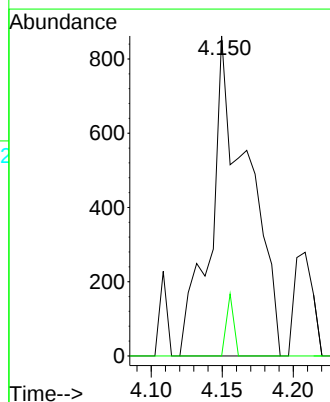
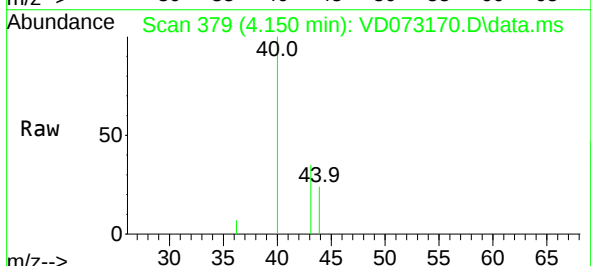
Instrument :
MSVOA_D
ClientSampleId :
P016-SS005-0006-02

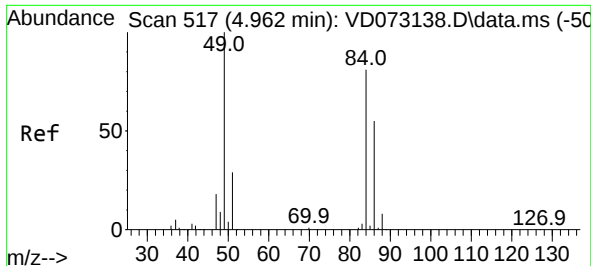
Tgt Ion: 59 Resp: 12739
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.630 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

Tgt Ion: 43 Resp: 1569
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

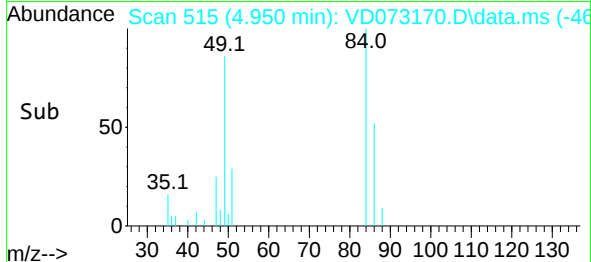
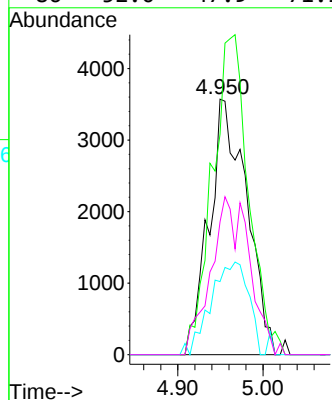
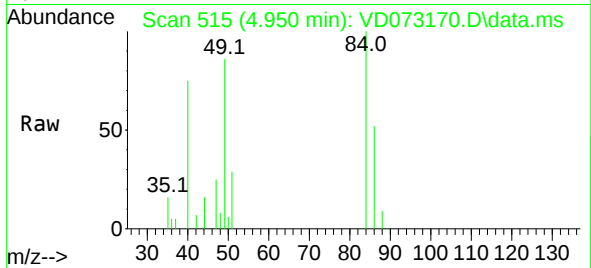




#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

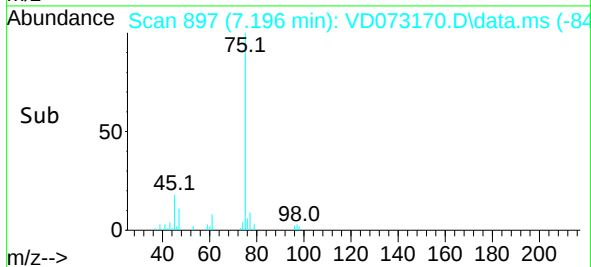
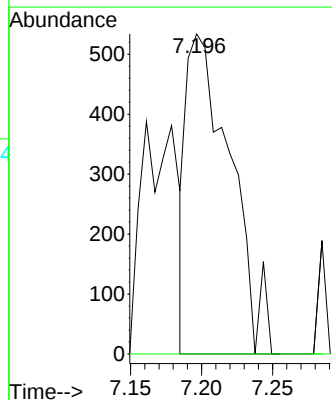
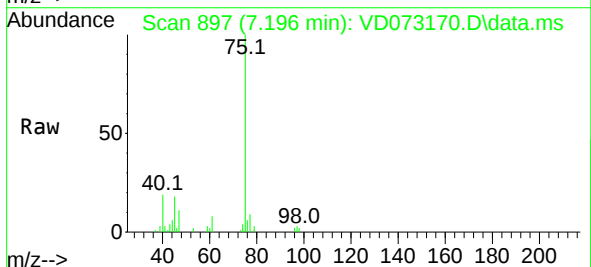
Instrument :
MSVOA_D
ClientSampleId :
P016-SS005-0006-02

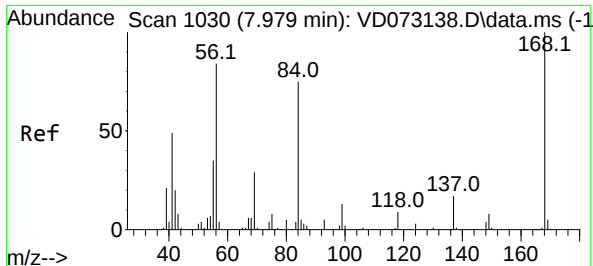
Tgt Ion:	84	Resp:	10911
Ion	Ratio	Lower	Upper
84	100		
49	86.3	112.8	169.2#
51	28.6	32.6	48.8#
86	52.0	47.9	71.9



#25
2-Butanone
Concen: 1.321 ug/l
RT: 7.196 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

Tgt Ion:	43	Resp:	1153
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

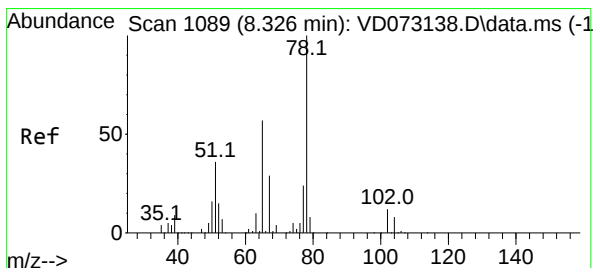
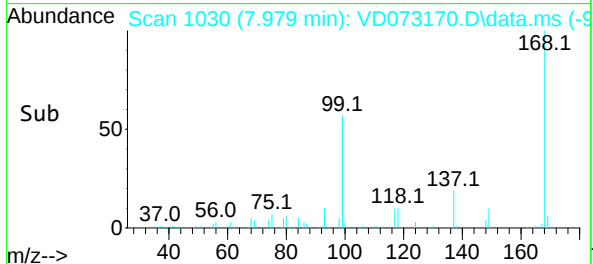
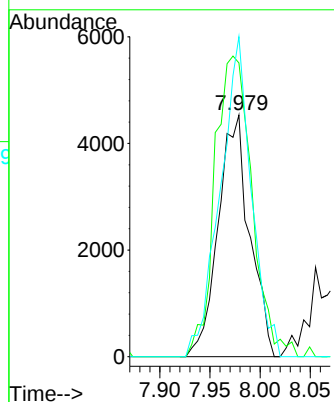
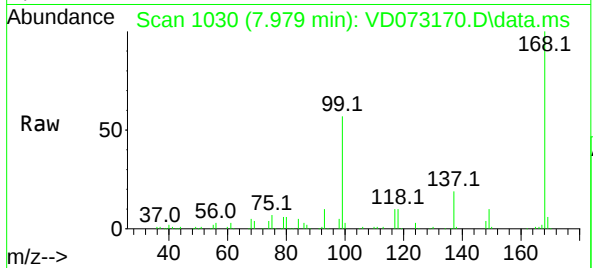




#31
Cyclohexane
Concen: 1.642 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

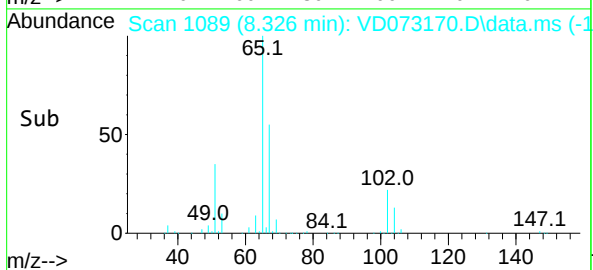
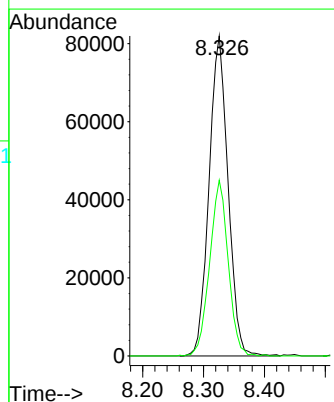
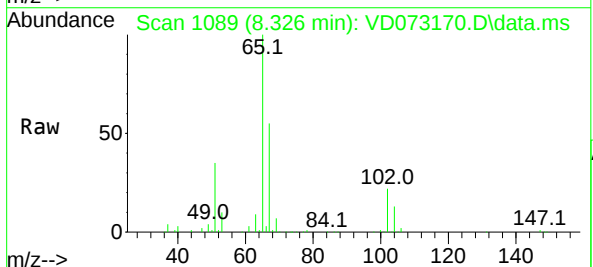
Instrument :
MSVOA_D
ClientSampleId :
P016-SS005-0006-02

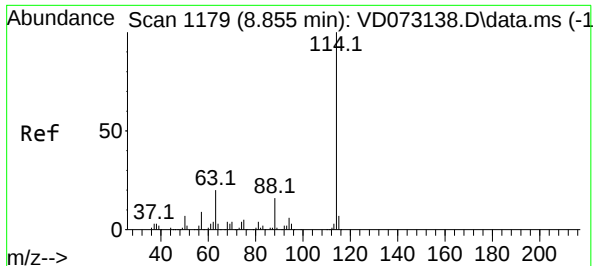
Tgt Ion: 56 Resp: 9882
Ion Ratio Lower Upper
56 100
69 121.6 25.4 38.2#
84 132.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 51.523 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

Tgt Ion: 65 Resp: 177490
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# 1179

Delta R.T. 0.006 min

Lab File: VD073170.D

Acq: 20 May 2022 07:44

Instrument :

MSVOA_D

ClientSampleId :

P016-SS005-0006-02

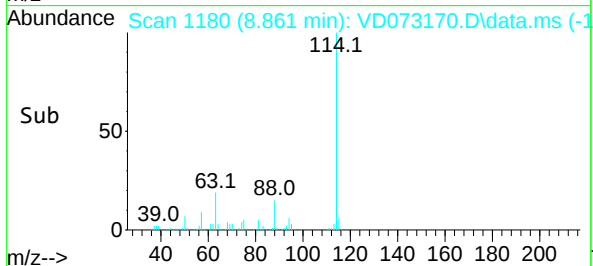
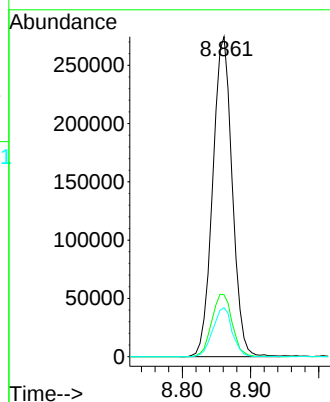
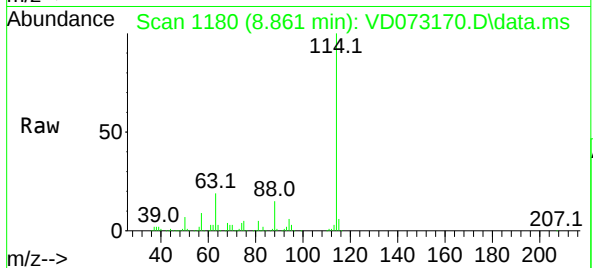
Tgt Ion:114 Resp: 545592

Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.684 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073170.D

Acq: 20 May 2022 07:44

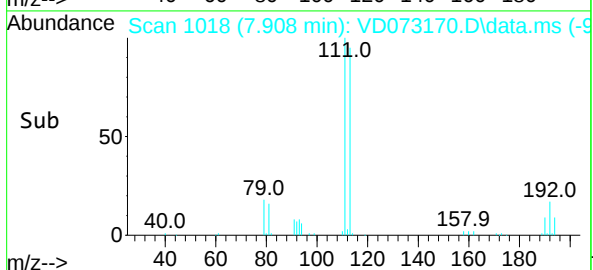
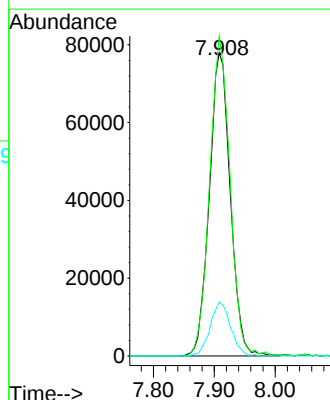
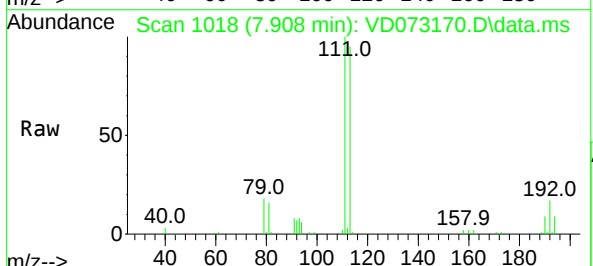
Tgt Ion:113 Resp: 186073

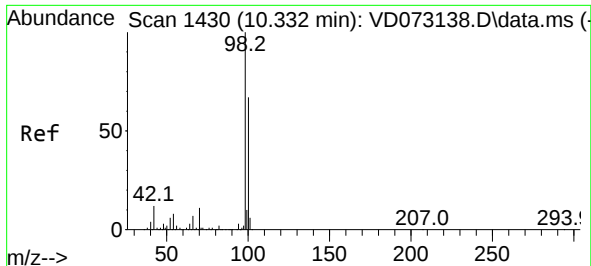
Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 17.4 14.6 21.8

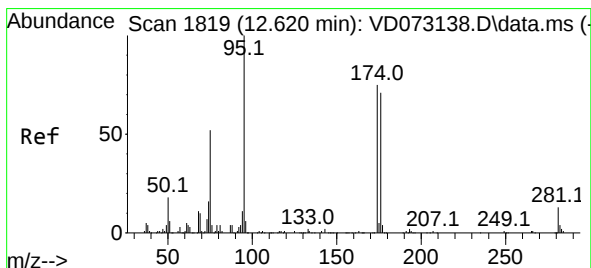
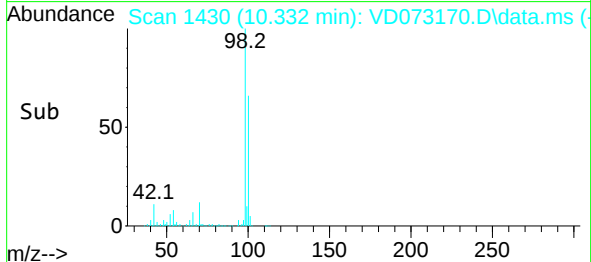
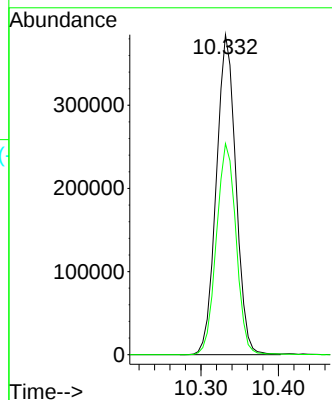
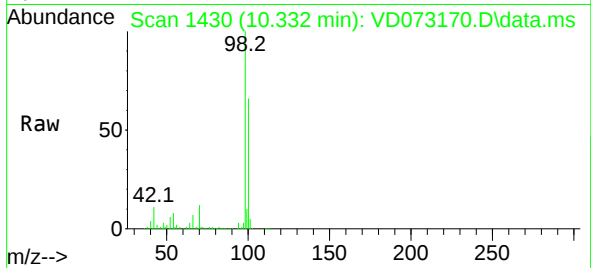




#50
Toluene-d8
Concen: 51.075 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

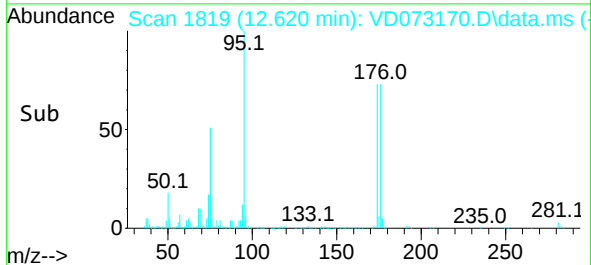
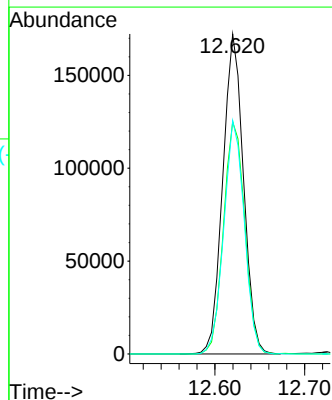
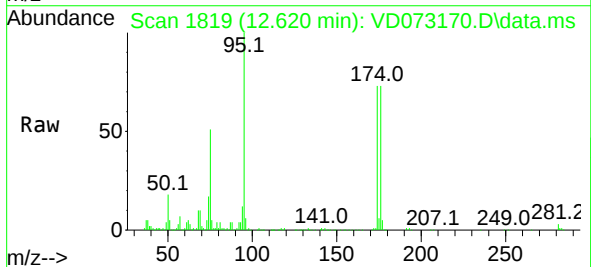
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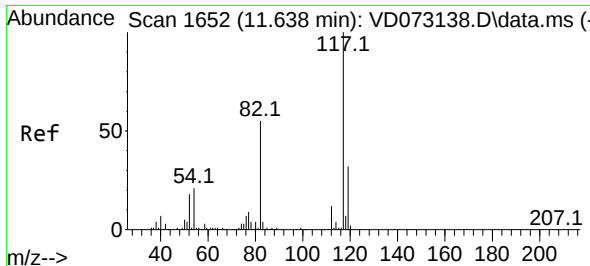
Tgt Ion: 98 Resp: 677824
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 59.176 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

Tgt Ion: 95 Resp: 275608
Ion Ratio Lower Upper
95 100
174 74.3 0.0 152.8
176 72.1 0.0 145.4

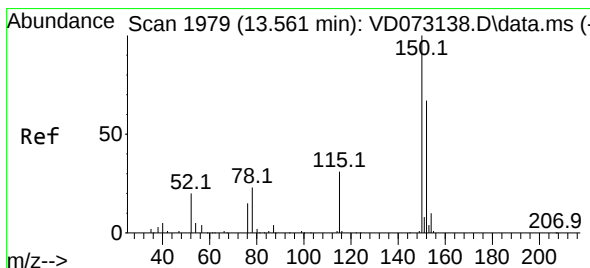
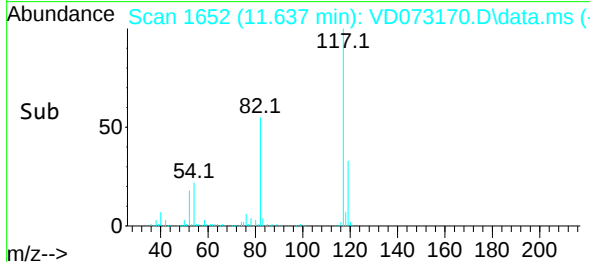
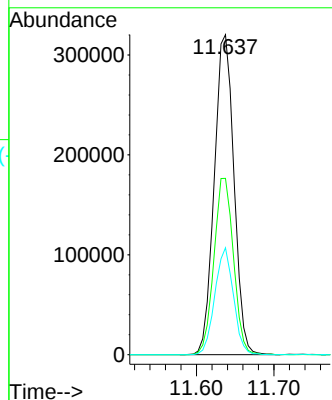
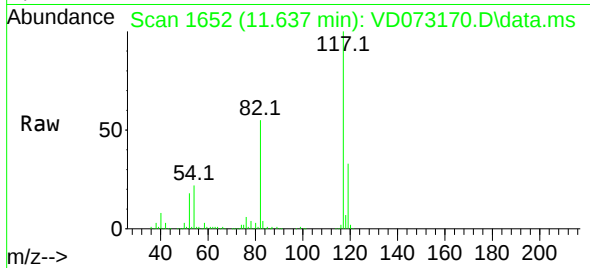




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

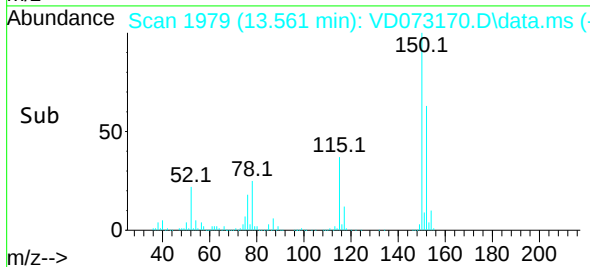
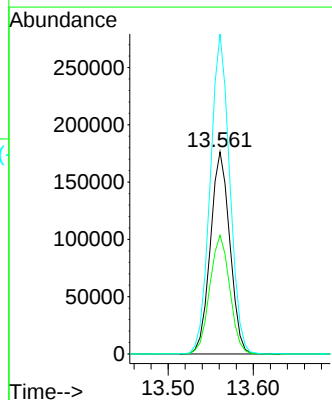
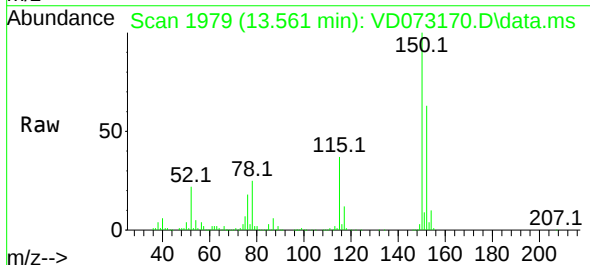
Instrument :
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P016-SS005-0006-02

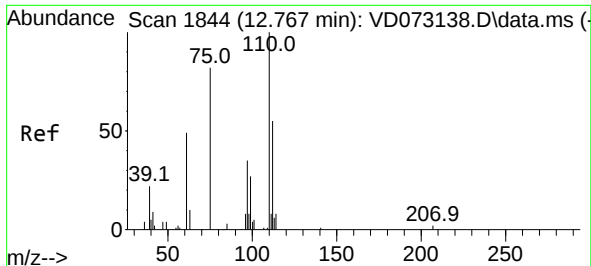
Tgt Ion:117 Resp: 565750
Ion Ratio Lower Upper
117 100
82 55.1 45.3 67.9
119 33.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

Tgt Ion:152 Resp: 279202
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 158.6 0.0 348.6

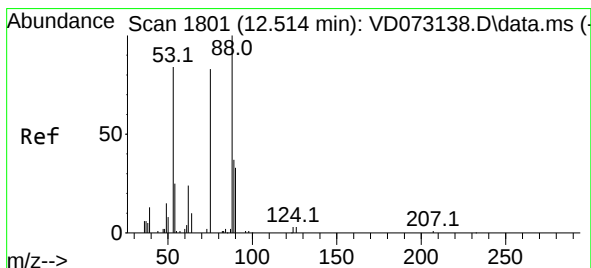
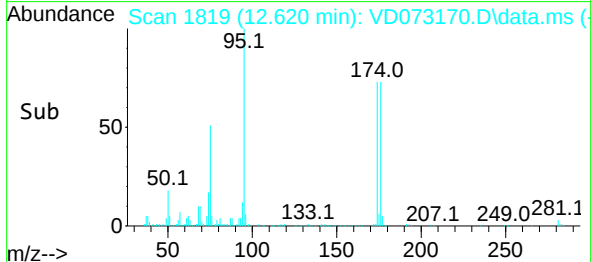
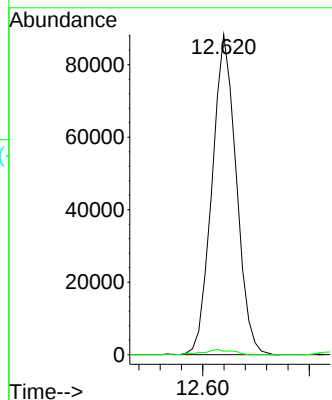
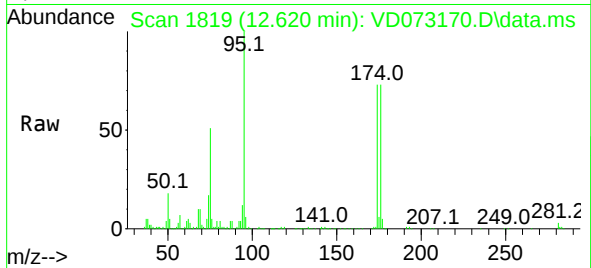




#76
1,2,3-Trichloropropane
Concen: 50.967 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

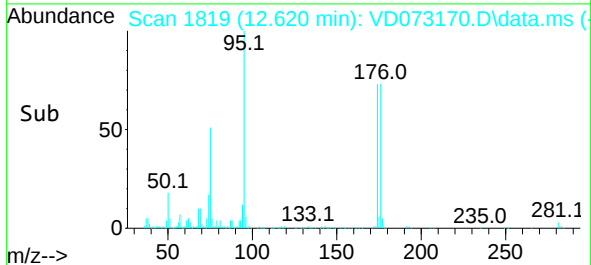
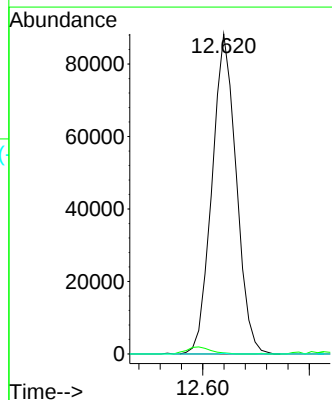
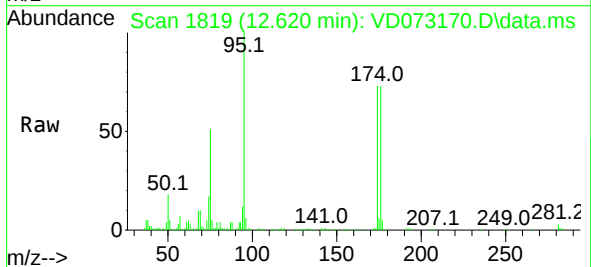
Instrument :
MSVOA_D
ClientSampleId :
P016-SS005-0006-02

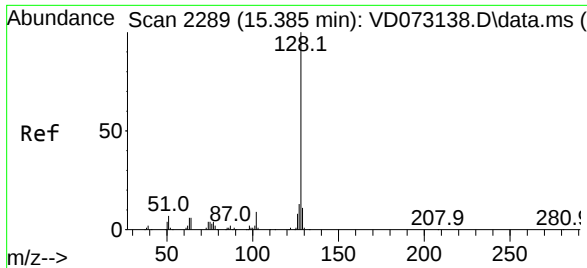
Tgt Ion: 75 Resp: 139622
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.356 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

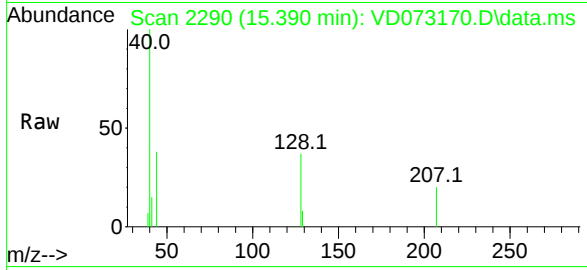
Tgt Ion: 75 Resp: 139622
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.686 ug/l
RT: 15.390 min Scan# 21
Delta R.T. 0.005 min
Lab File: VD073170.D
Acq: 20 May 2022 07:44

Instrument :
MSVOA_D
ClientSampleId :
P016-SS005-0006-02



Tgt Ion:	128	Resp:	1417
Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.3	15.5
129	5.2	8.4	12.6#

