

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072899.D
 Acq On : 09 May 2022 19:16
 Operator : VA/SY
 Sample : N2691-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DEEP-WC-1

Quant Time: May 10 01:37:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

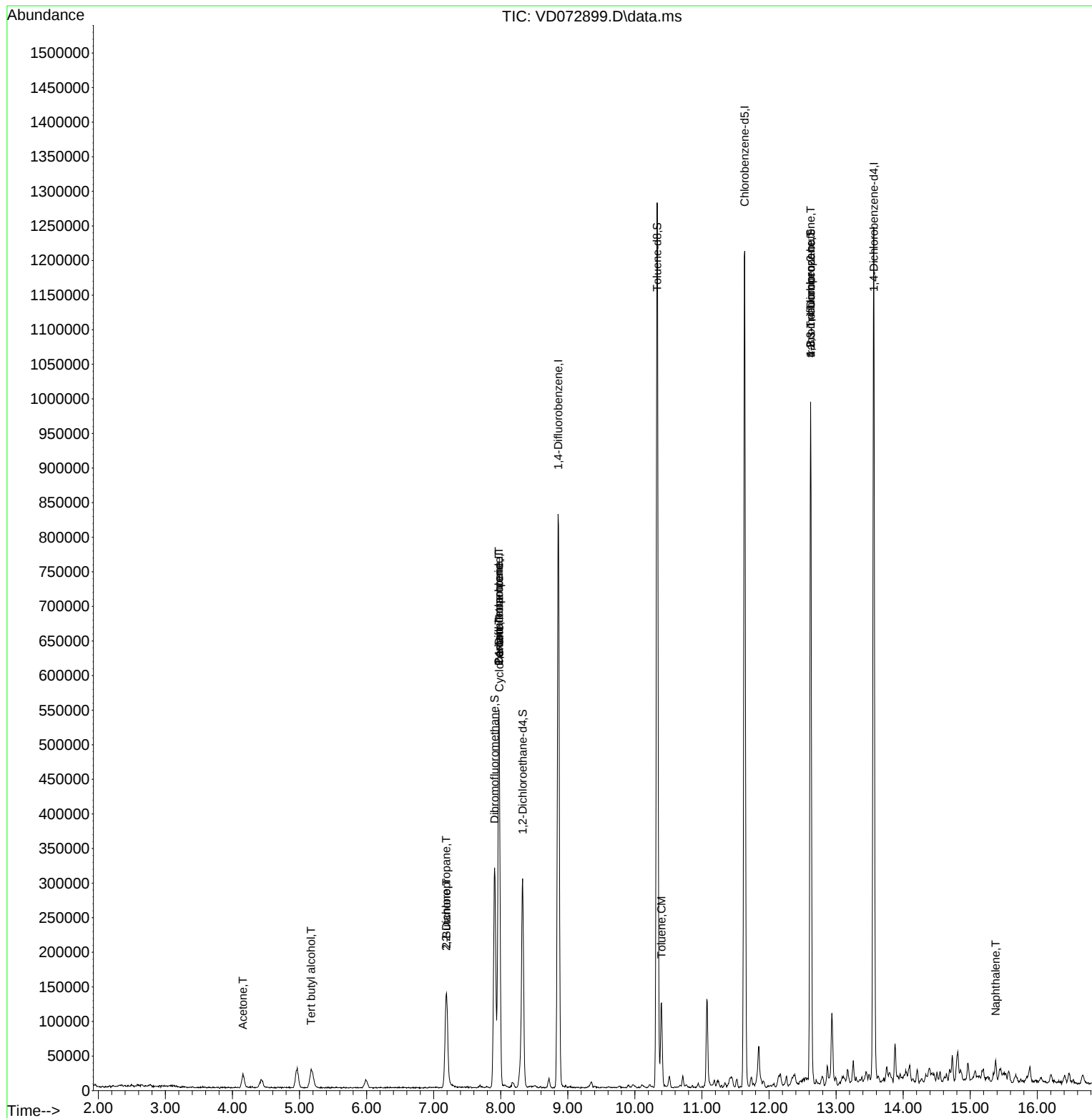
Internal Standards						
1) Pentafluorobenzene	7.973	168	383712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	703050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	680781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	307901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	234007	46.981	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.960%		
35) Dibromofluoromethane	7.908	113	229426	46.465	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.940%		
50) Toluene-d8	10.332	98	853713	48.201	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.400%		
62) 4-Bromofluorobenzene	12.620	95	323609	49.001	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.000%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1320	Below Cal	#	60
11) Tert butyl alcohol	5.173	59	26096	60.555	ug/l #	75
16) Acetone	4.156	43	34323	24.225	ug/l #	86
20) Methylene Chloride	4.956	84	19651	Below Cal	#	82
25) 2-Butanone	7.191	43	9809	6.759	ug/l #	86
26) 2,2-Dichloropropane	7.185	77	9937	1.191	ug/l #	54
31) Cyclohexane	7.979	56	10585	1.216	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	34941	4.352	ug/l #	51
38) Carbon Tetrachloride	7.973	117	41484	4.978	ug/l #	17
52) Toluene	10.397	92	49944	3.453	ug/l	99
76) 1,2,3-Trichloropropane	12.620	75	166211	48.411	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	166211	111.327	ug/l #	7
95) Naphthalene	15.379	128	23285	2.141	ug/l	97

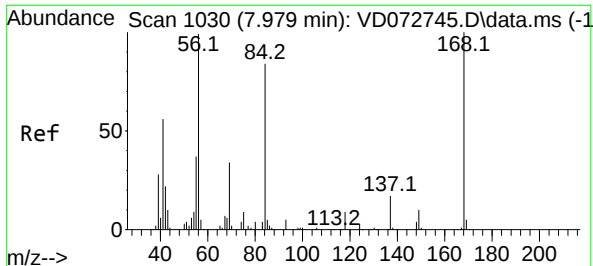
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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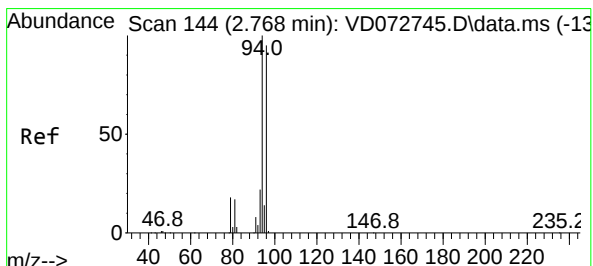
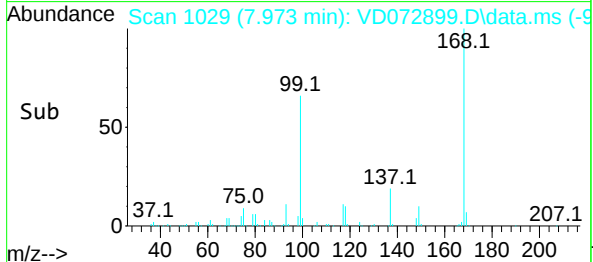
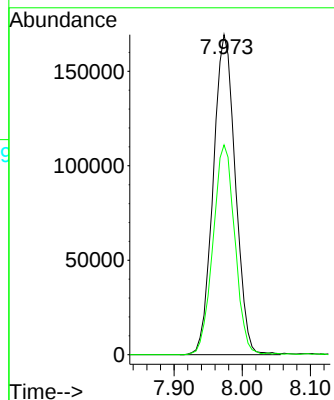
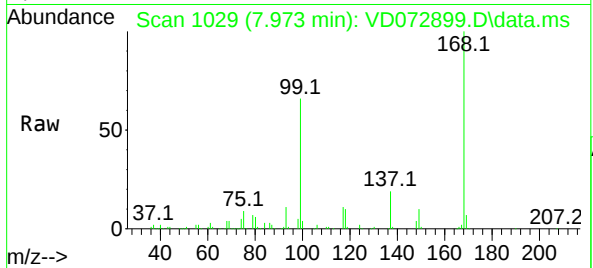




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

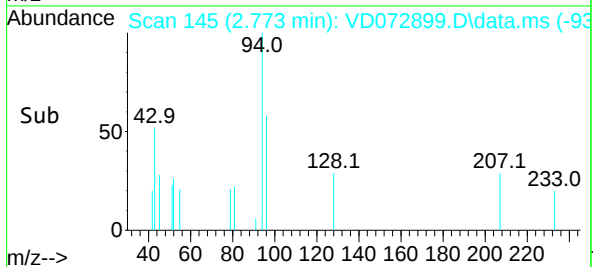
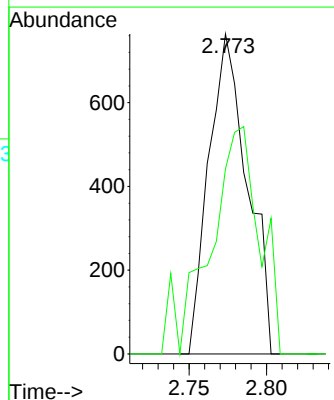
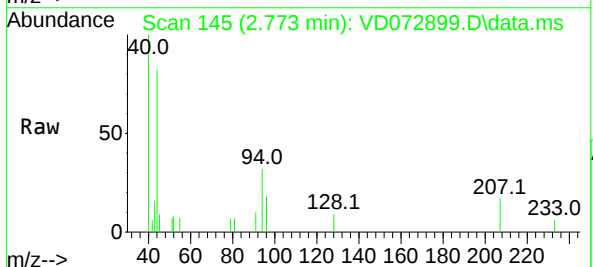
Instrument :
MSVOA_D
ClientSampleId :
DEEP-WC-1

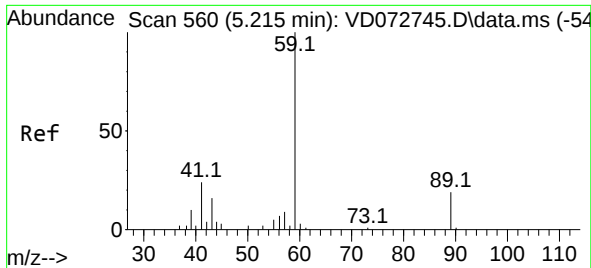
Tgt Ion:168 Resp: 383712
Ion Ratio Lower Upper
168 100
99 65.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

Tgt Ion: 94 Resp: 1320
Ion Ratio Lower Upper
94 100
96 57.9 77.6 116.4#

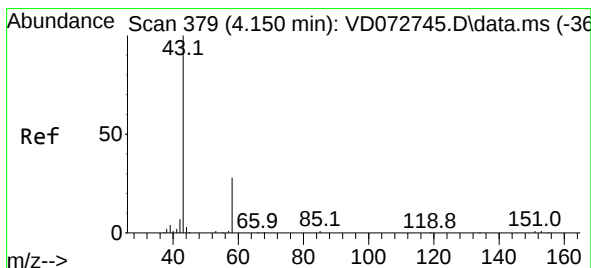
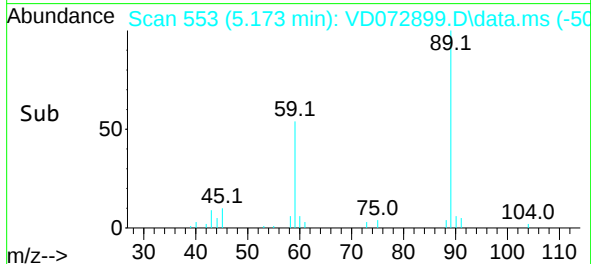
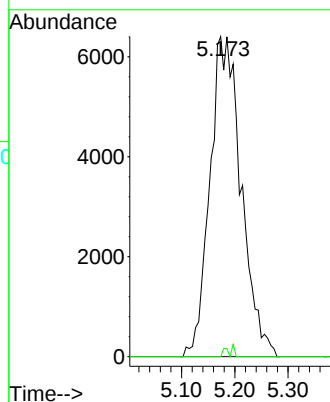
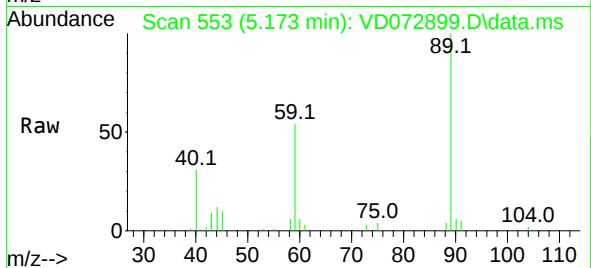




#11
Tert butyl alcohol
Concen: 60.555 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.042 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

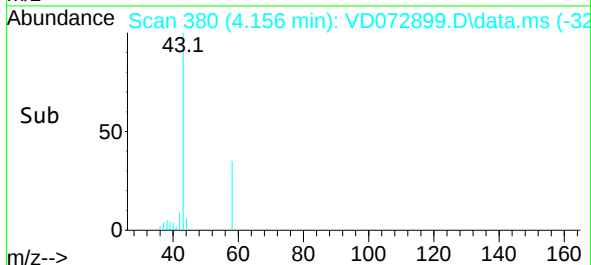
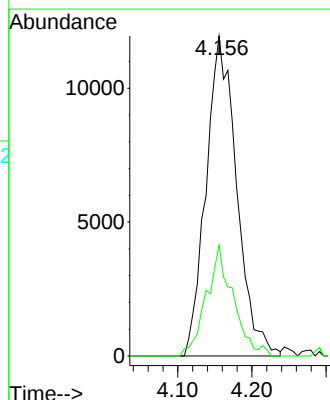
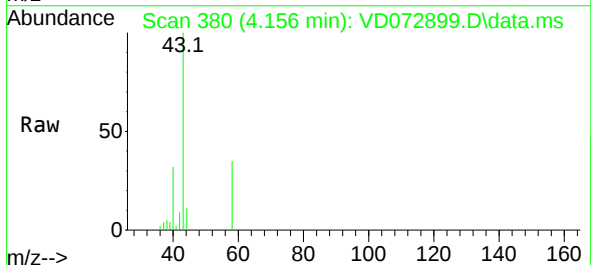
Instrument :
MSVOA_D
ClientSampleId :
DEEP-WC-1

Tgt Ion: 59 Resp: 26096
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.6#



#16
Acetone
Concen: 24.225 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

Tgt Ion: 43 Resp: 34323
Ion Ratio Lower Upper
43 100
58 34.7 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD072899.D

Acq: 09 May 2022 19:16

Instrument :

MSVOA_D

ClientSampleId :

DEEP-WC-1

Tgt Ion: 84 Resp: 19651

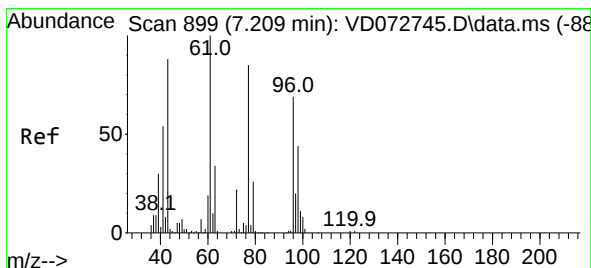
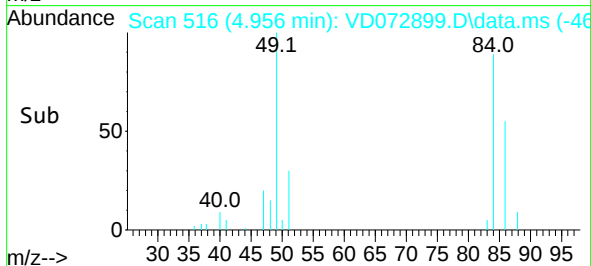
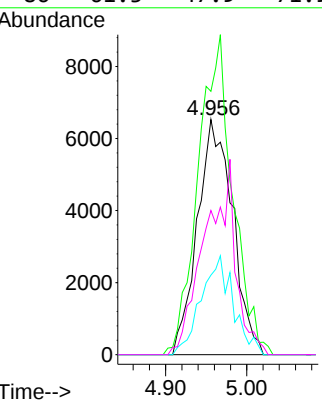
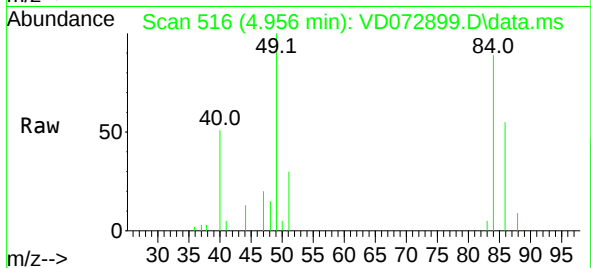
Ion Ratio Lower Upper

84 100

49 109.2 112.8 169.2#

51 33.8 32.6 48.8

86 61.3 47.9 71.9



#25

2-Butanone

Concen: 6.759 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD072899.D

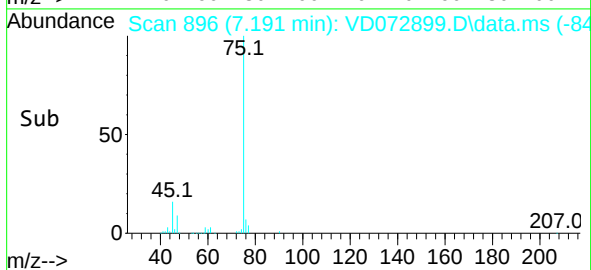
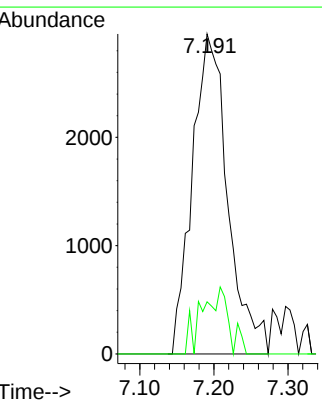
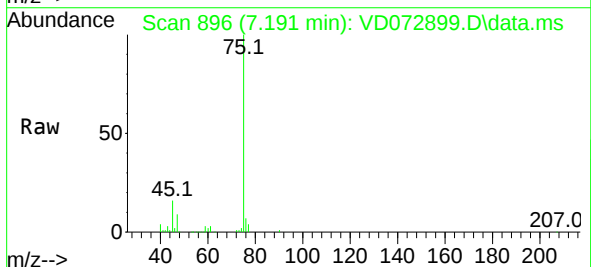
Acq: 09 May 2022 19:16

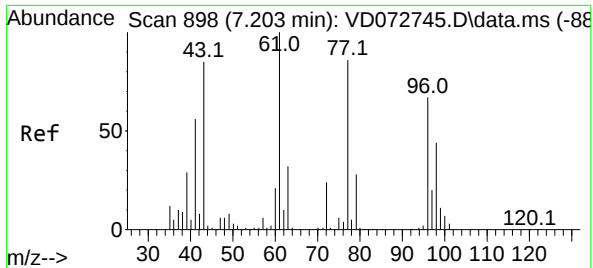
Tgt Ion: 43 Resp: 9809

Ion Ratio Lower Upper

43 100

72 16.3 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 1.191 ug/l

RT: 7.185 min Scan# 89

Delta R.T. -0.018 min

Lab File: VD072899.D

Acq: 09 May 2022 19:16

Instrument :

MSVOA_D

ClientSampleId :

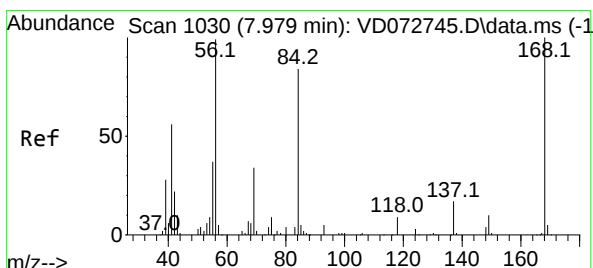
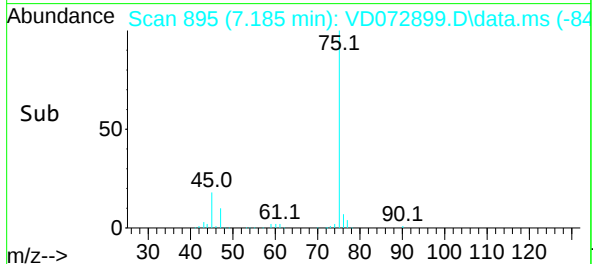
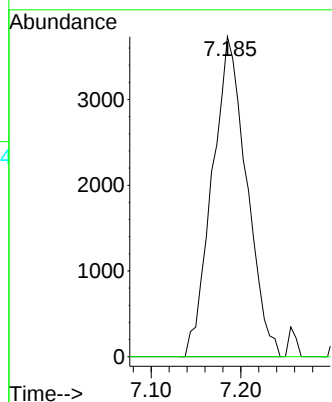
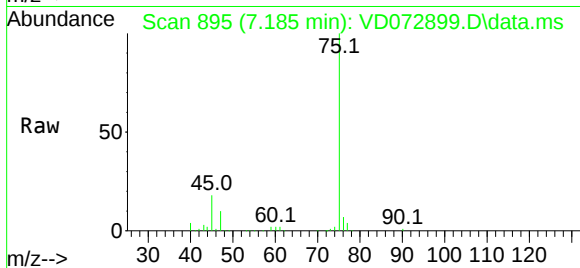
DEEP-WC-1

Tgt Ion: 77 Resp: 9937

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.216 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072899.D

Acq: 09 May 2022 19:16

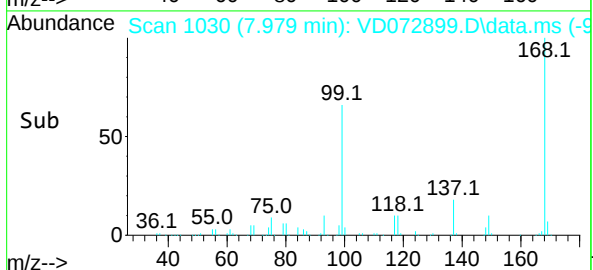
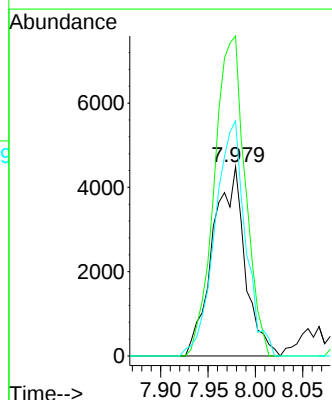
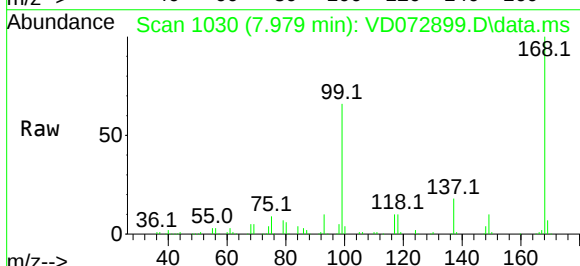
Tgt Ion: 56 Resp: 10585

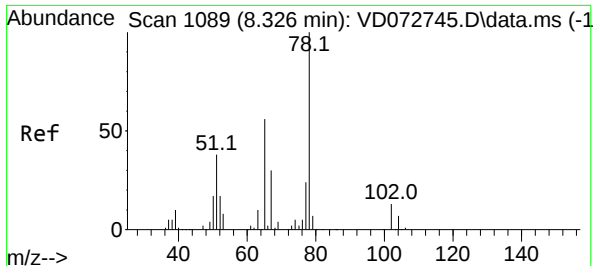
Ion Ratio Lower Upper

56 100

69 169.1 25.4 38.2#

84 124.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 46.981 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072899.D

Acq: 09 May 2022 19:16

Instrument :

MSVOA_D

ClientSampleId :

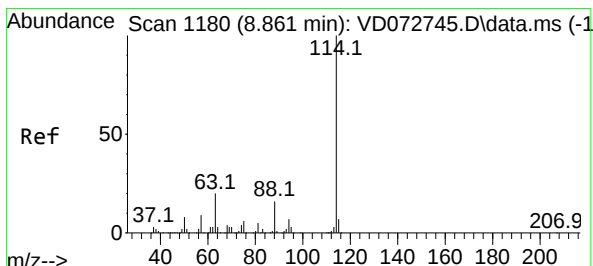
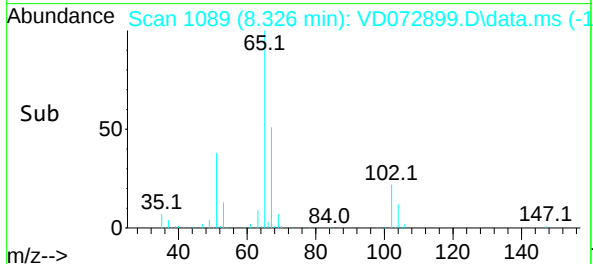
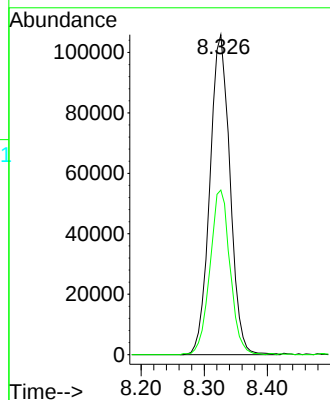
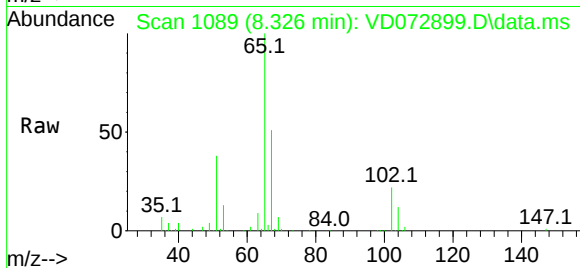
DEEP-WC-1

Tgt Ion: 65 Resp: 234007

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072899.D

Acq: 09 May 2022 19:16

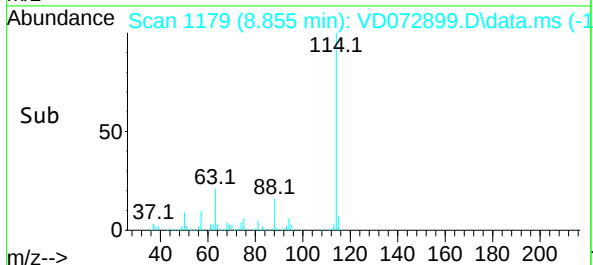
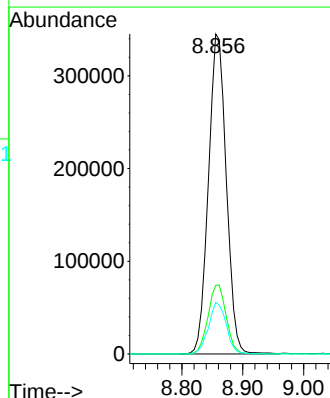
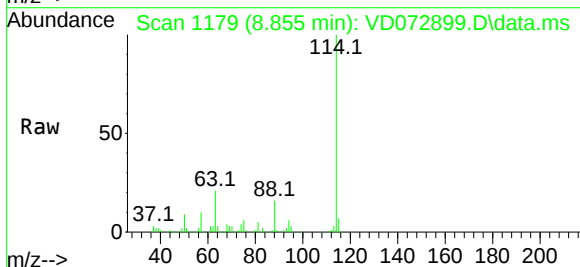
Tgt Ion: 114 Resp: 703050

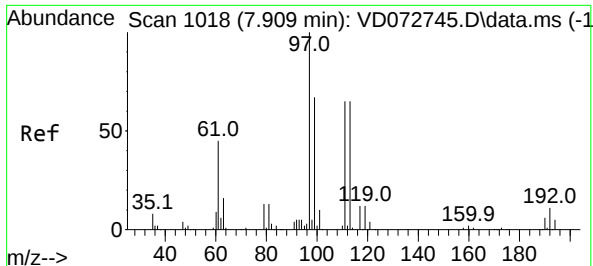
Ion Ratio Lower Upper

114 100

63 21.4 0.0 46.6

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.465 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072899.D

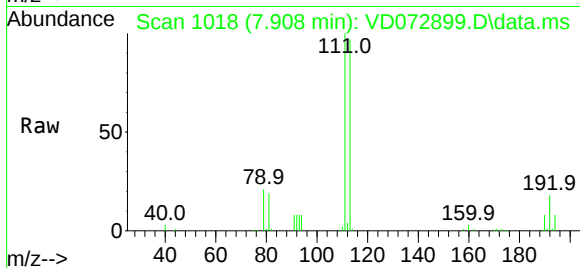
Acq: 09 May 2022 19:16

Instrument :

MSVOA_D

ClientSampleId :

DEEP-WC-1



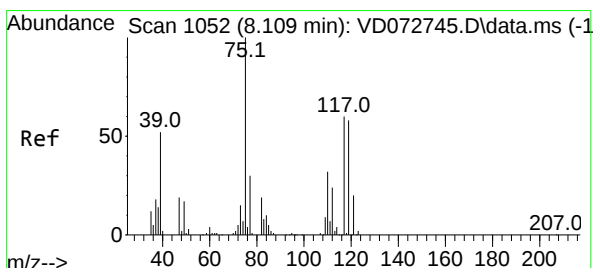
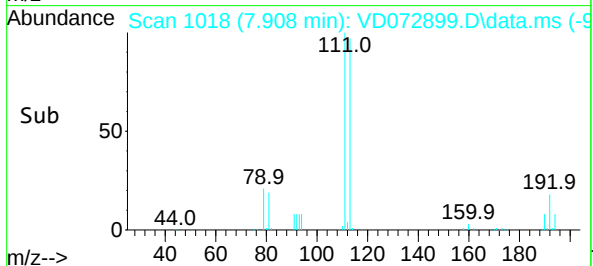
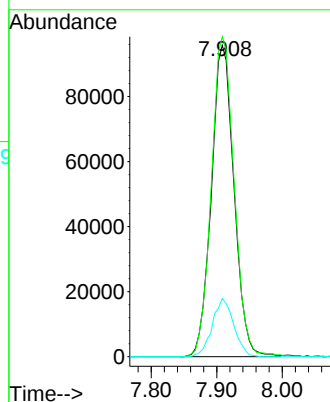
Tgt Ion:113 Resp: 229426

Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 17.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.352 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072899.D

Acq: 09 May 2022 19:16

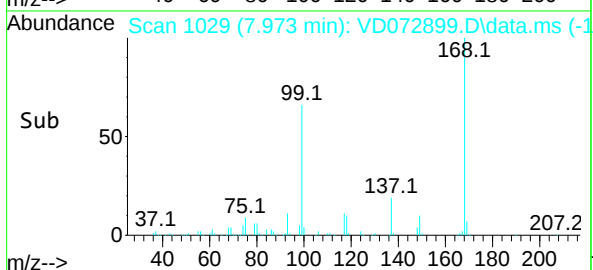
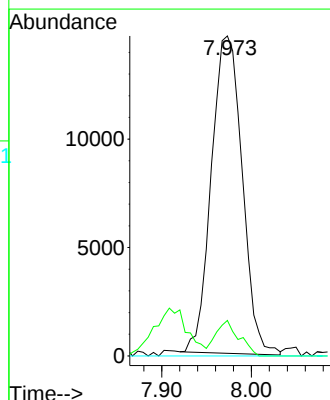
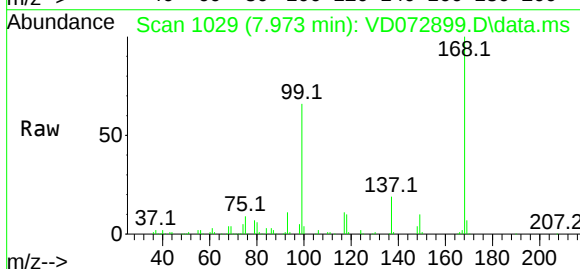
Tgt Ion: 75 Resp: 34941

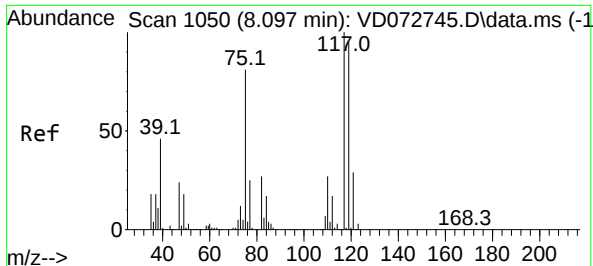
Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.1#

77 0.0 24.2 36.2#

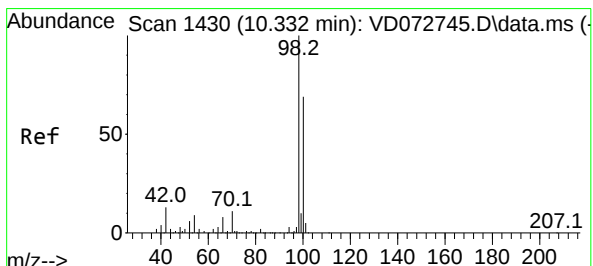
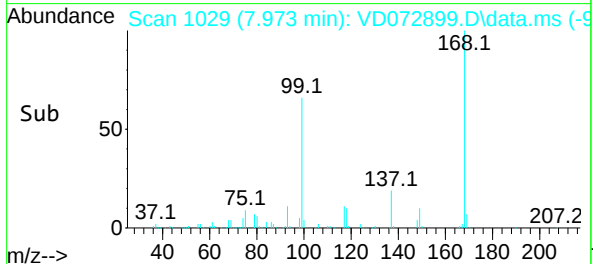
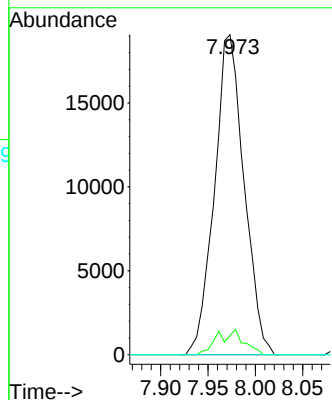
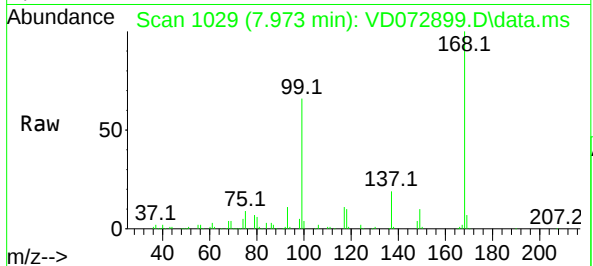




#38
Carbon Tetrachloride
Concen: 4.978 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

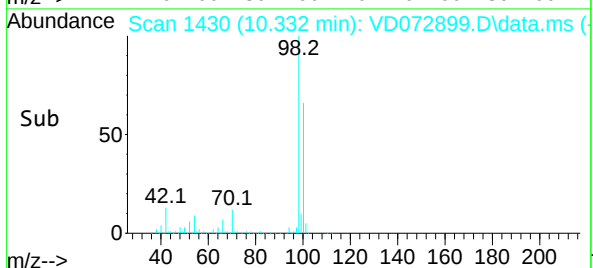
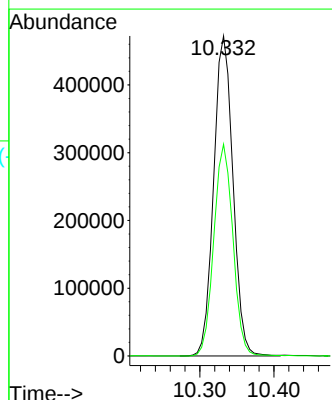
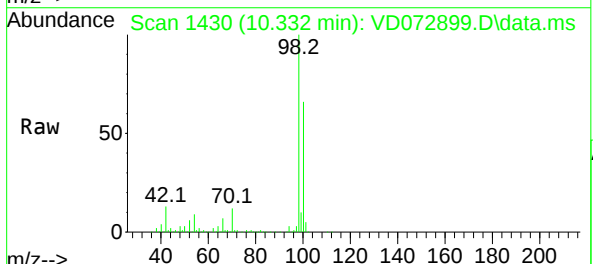
Instrument :
MSVOA_D
ClientSampleId :
DEEP-WC-1

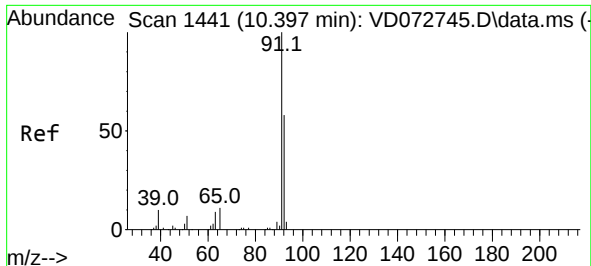
Tgt Ion:117 Resp: 41484
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.201 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

Tgt Ion: 98 Resp: 853713
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

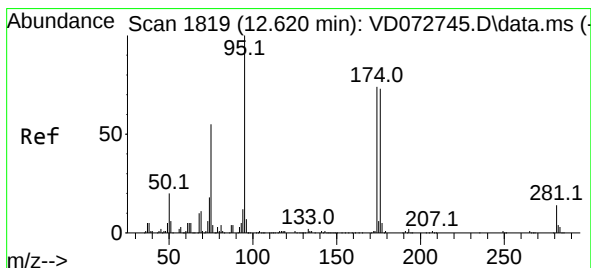
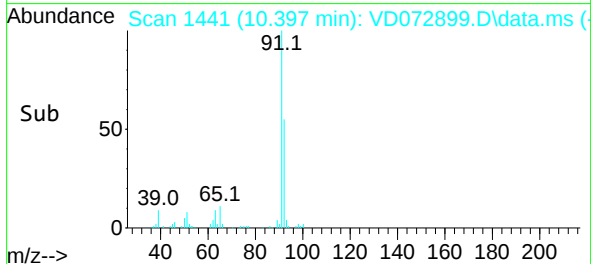
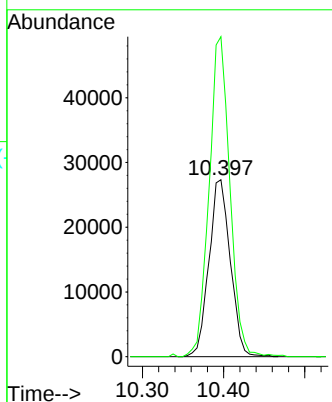
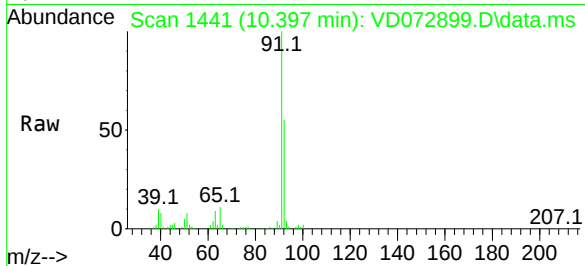




#52
Toluene
Concen: 3.453 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

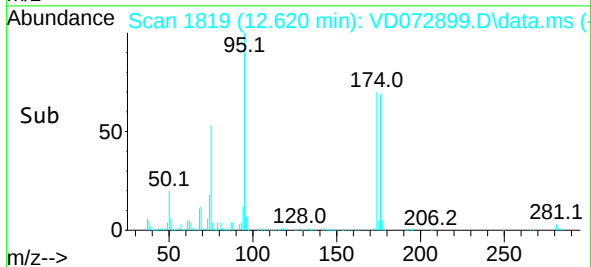
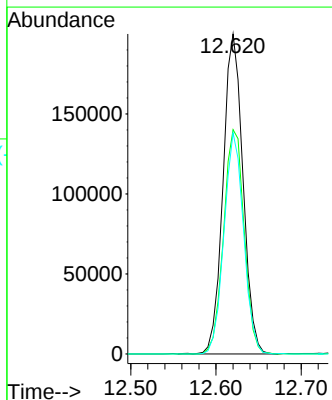
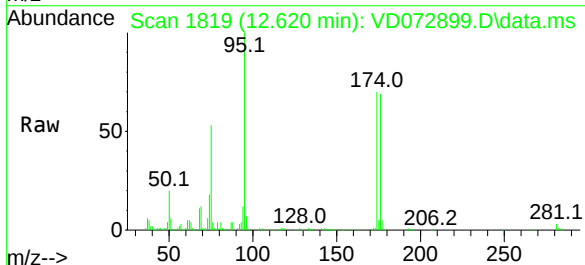
Instrument :
MSVOA_D
ClientSampleId :
DEEP-WC-1

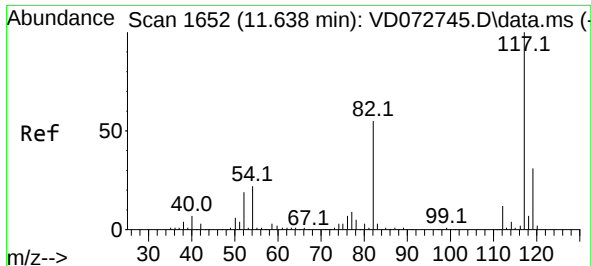
Tgt Ion: 92 Resp: 49944
Ion Ratio Lower Upper
92 100
91 176.3 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 49.001 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

Tgt Ion: 95 Resp: 323609
Ion Ratio Lower Upper
95 100
174 72.4 0.0 152.8
176 68.1 0.0 145.4

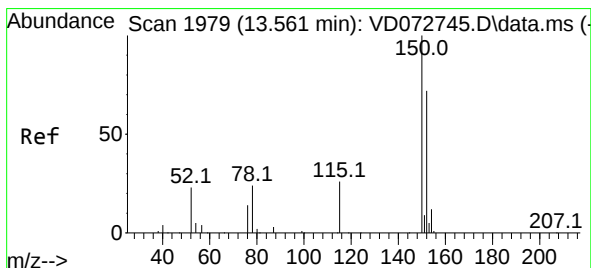
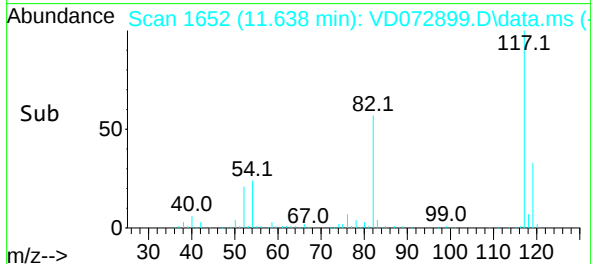
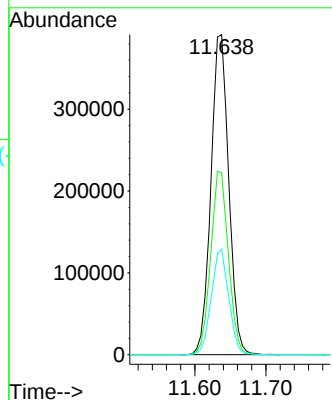
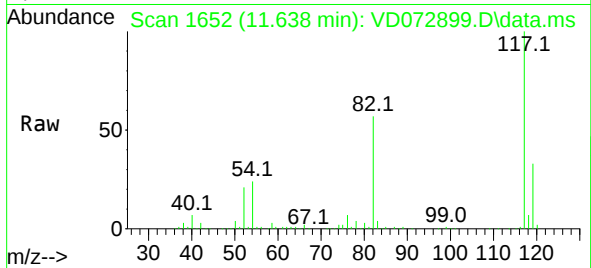




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

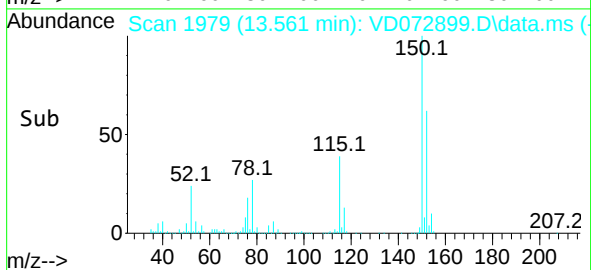
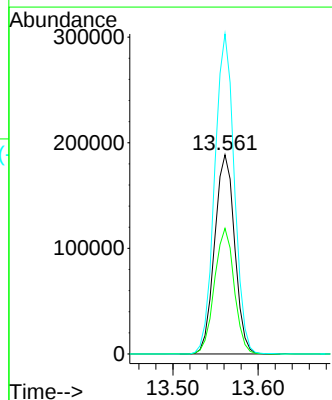
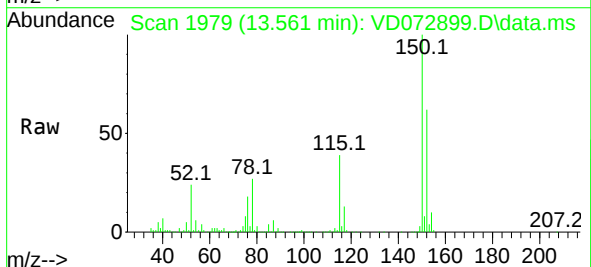
Instrument :
MSVOA_D
ClientSampleId :
DEEP-WC-1

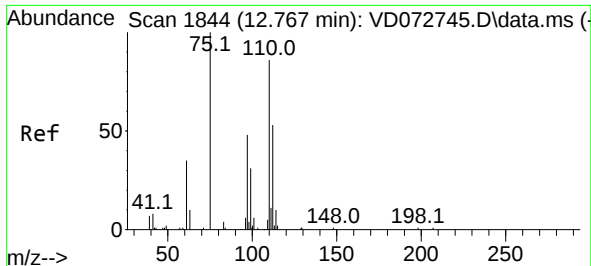
Tgt Ion:117 Resp: 680781
Ion Ratio Lower Upper
117 100
82 56.8 45.3 67.9
119 33.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

Tgt Ion:152 Resp: 307901
Ion Ratio Lower Upper
152 100
115 62.2 31.3 93.8
150 157.6 0.0 348.6

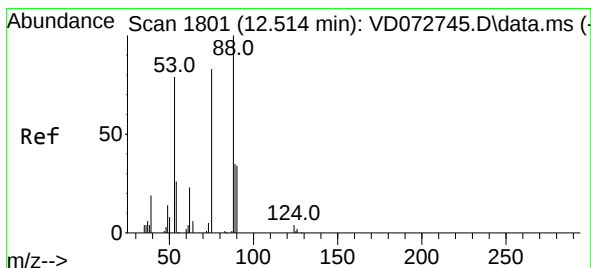
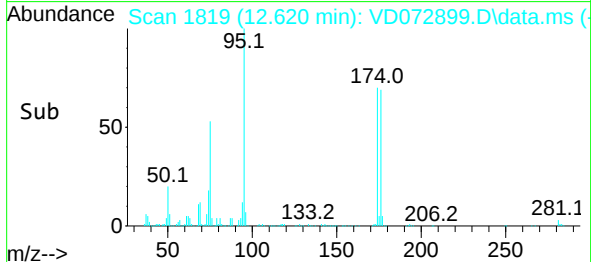
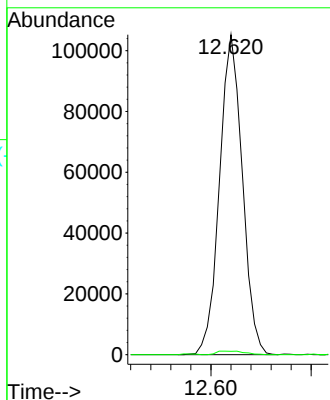
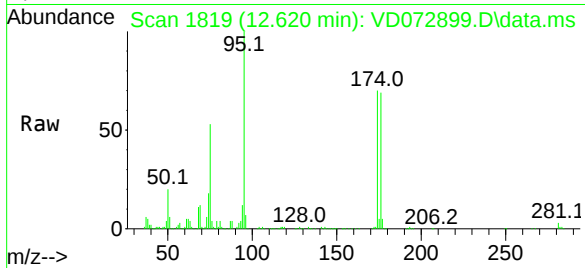




#76
1,2,3-Trichloropropane
Concen: 48.411 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

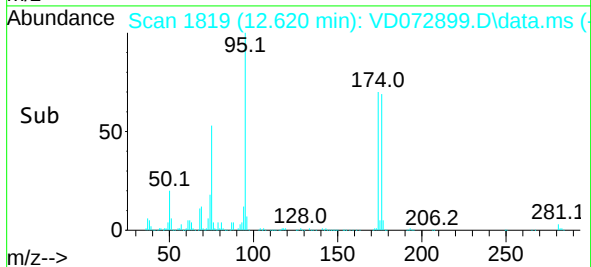
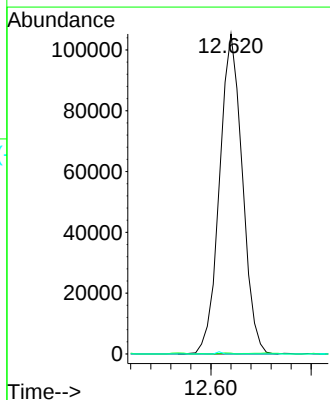
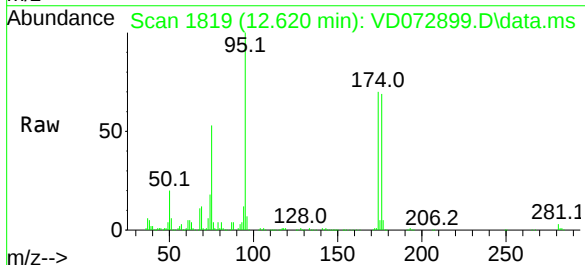
Instrument :
MSVOA_D
ClientSampleId :
DEEP-WC-1

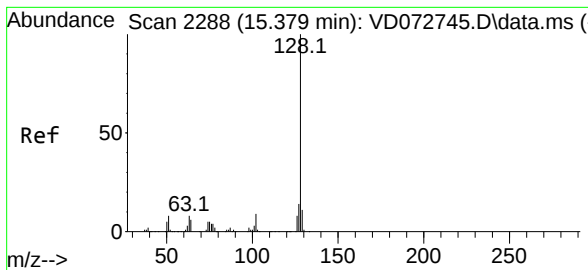
Tgt Ion: 75 Resp: 166211
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.327 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

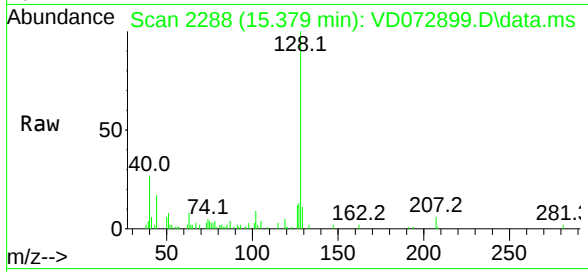
Tgt Ion: 75 Resp: 166211
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.2 33.9 50.9#





#95
Naphthalene
Concen: 2.141 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD072899.D
Acq: 09 May 2022 19:16

Instrument :
MSVOA_D
ClientSampleId :
DEEP-WC-1



Tgt Ion:	128	Resp:	23285
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.3	15.5
129	11.7	8.4	12.6

