

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073026.D
 Acq On : 14 May 2022 09:36
 Operator : VA/SY
 Sample : N2823-12
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-12

Quant Time: May 16 05:22:20 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)

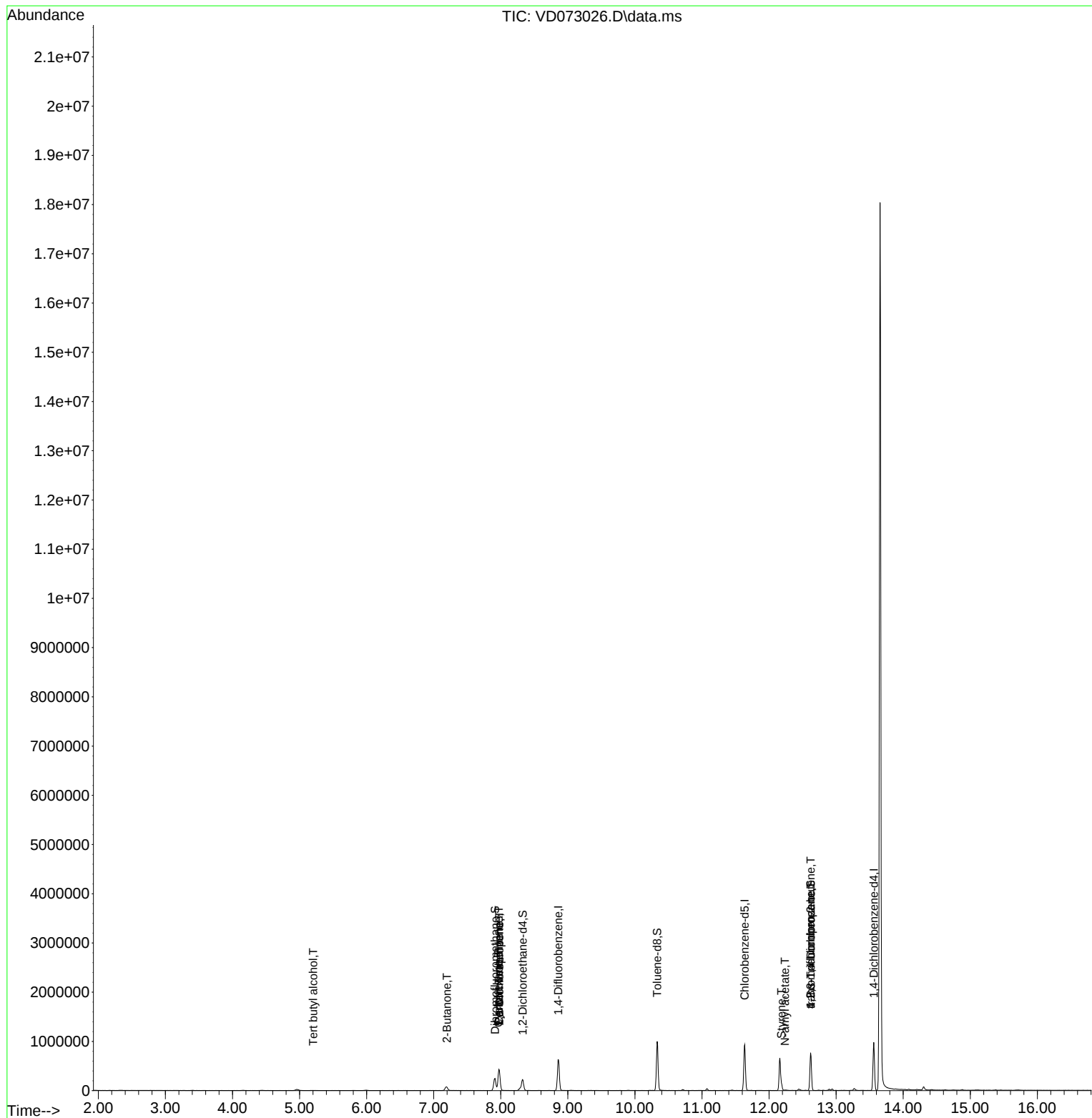
Internal Standards						
1) Pentafluorobenzene	7.973	168	303037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	542708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	539354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	250346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	172288	43.798	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.600%
35) Dibromofluoromethane	7.914	113	182276	47.823	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.640%
50) Toluene-d8	10.332	98	660610	48.318	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.640%
62) 4-Bromofluorobenzene	12.620	95	252482	49.526	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.060%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	829	Below Cal		87
11) Tert butyl alcohol	5.203	59	941	2.765 ug/l	#	74
16) Acetone	4.150	43	4711	Below Cal	#	77
18) Methyl Acetate	4.956	43	445	Below Cal	#	55
20) Methylene Chloride	4.962	84	16326	Below Cal	#	79
25) 2-Butanone	7.197	43	6569	5.731 ug/l	#	78
31) Cyclohexane	7.967	56	6883	1.001 ug/l	#	27
36) 1,1-Dichloropropene	7.979	75	27249	4.397 ug/l	#	51
38) Carbon Tetrachloride	7.973	117	32017	4.977 ug/l	#	16
70) Styrene	12.185	104	54076	4.018 ug/l		88
74) N-amyl acetate	12.238	43	4990	1.029 ug/l	#	45
76) 1,2,3-Trichloropropane	12.620	75	130543	46.764 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	130543	107.538 ug/l	#	7

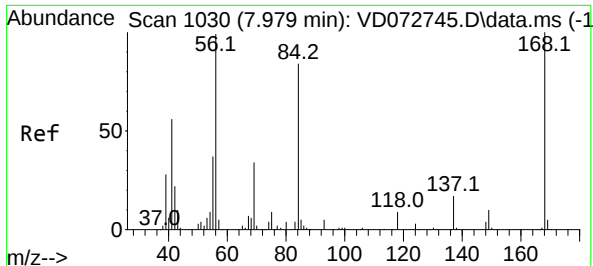
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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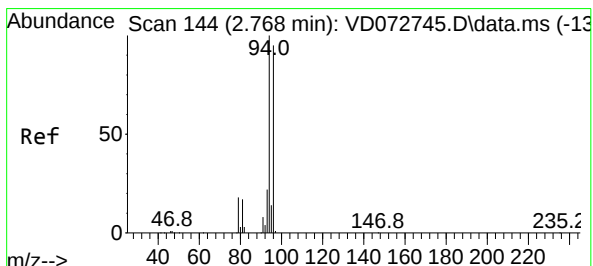
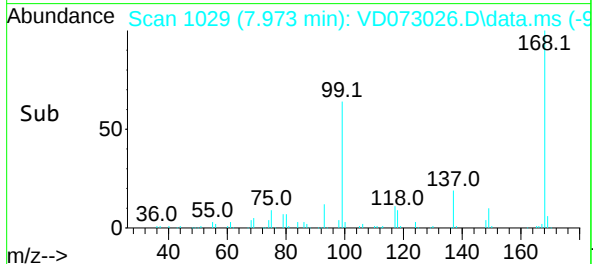
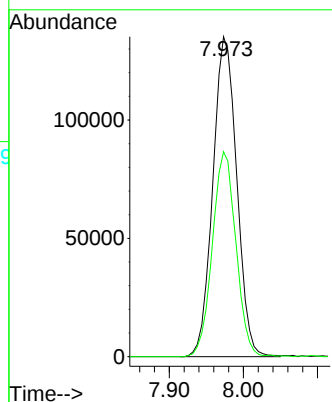
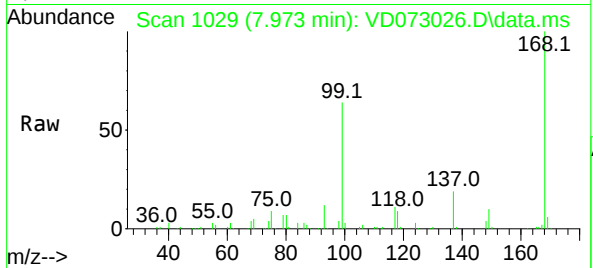




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073026.D
Acq: 14 May 2022 09:36

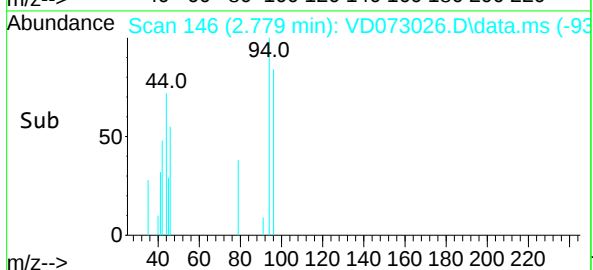
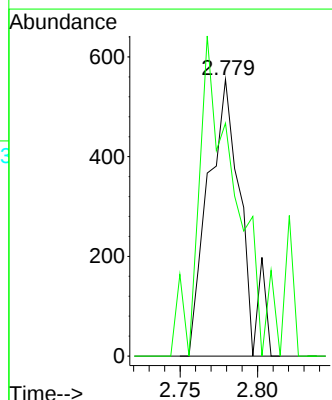
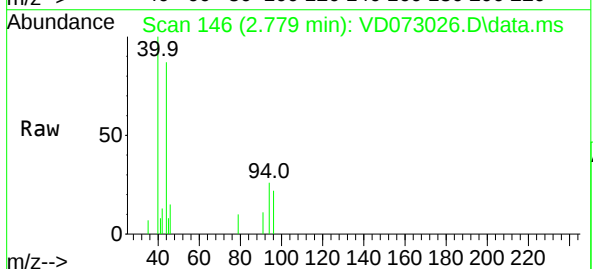
Instrument :
MSVOA_D
ClientSampleId :
SC-12

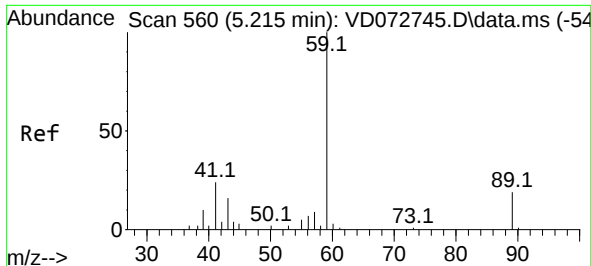
Tgt Ion:168 Resp: 303037
Ion Ratio Lower Upper
168 100
99 64.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073026.D
Acq: 14 May 2022 09:36

Tgt Ion: 94 Resp: 829
Ion Ratio Lower Upper
94 100
96 84.1 77.6 116.4





#11

Tert butyl alcohol

Concen: 2.765 ug/l

RT: 5.203 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD073026.D

Acq: 14 May 2022 09:36

Instrument :

MSVOA_D

ClientSampleId :

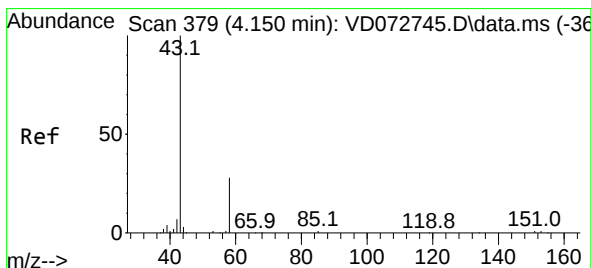
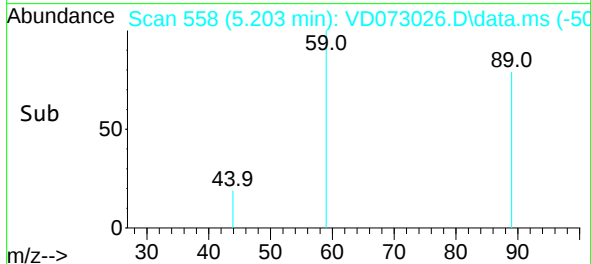
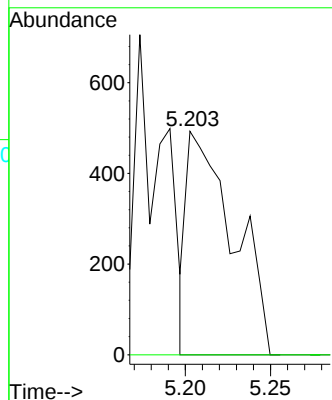
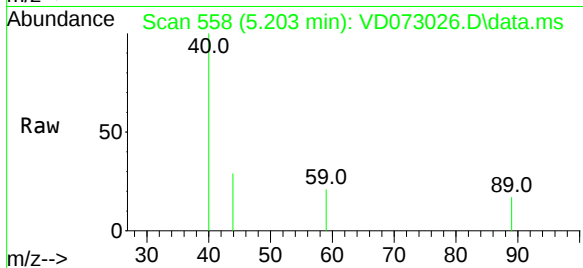
SC-12

Tgt Ion: 59 Resp: 941

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.150 min Scan# 379

Delta R.T. -0.000 min

Lab File: VD073026.D

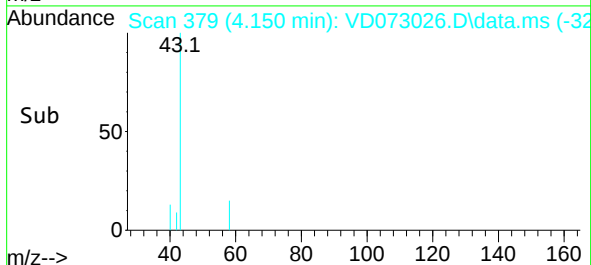
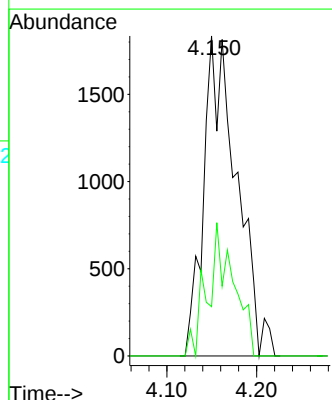
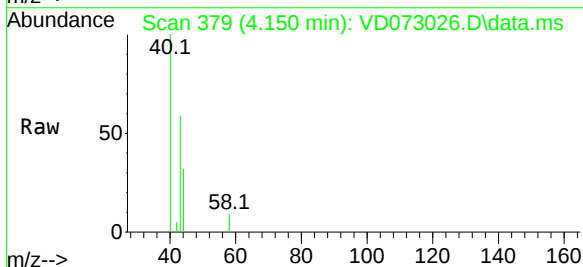
Acq: 14 May 2022 09:36

Tgt Ion: 43 Resp: 4711

Ion Ratio Lower Upper

43 100

58 15.4 22.1 33.1#



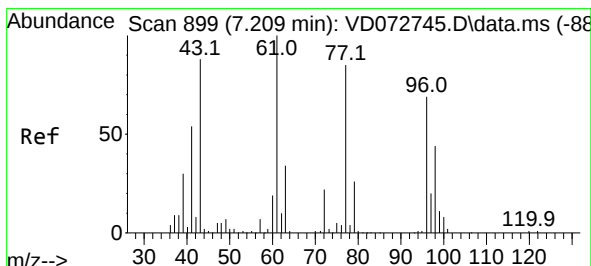
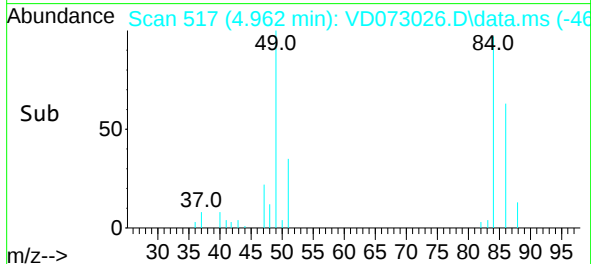
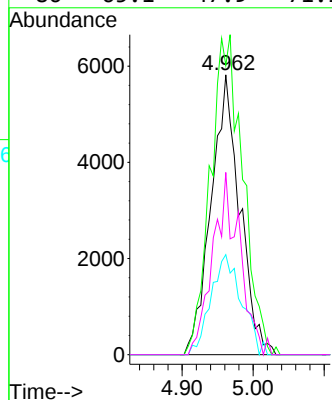
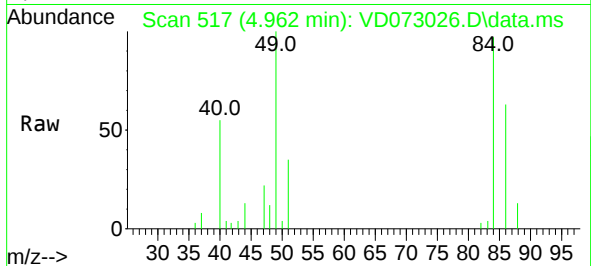


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073026.D
Acq: 14 May 2022 09:36

Instrument :
MSVOA_D
ClientSampleId :
SC-12

Tgt Ion: 84 Resp: 16326

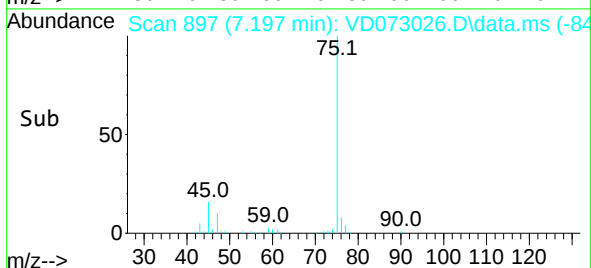
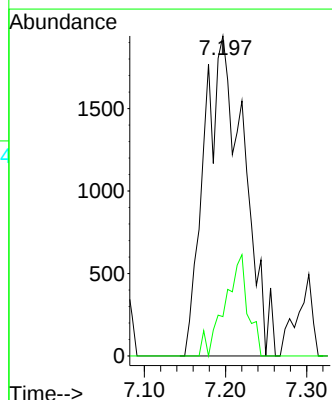
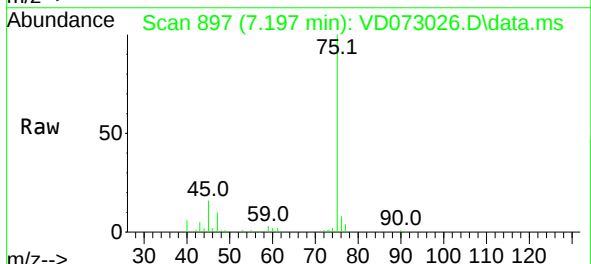
Ion	Ratio	Lower	Upper
84	100		
49	103.4	112.8	169.2#
51	35.7	32.6	48.8
86	65.1	47.9	71.9

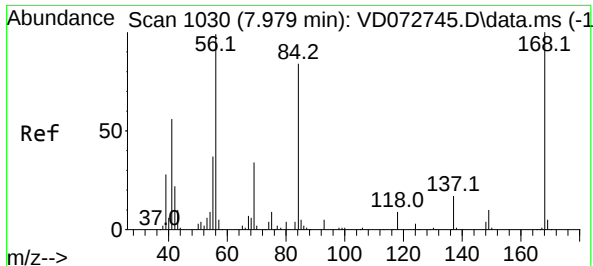


#25
2-Butanone
Concen: 5.731 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073026.D
Acq: 14 May 2022 09:36

Tgt Ion: 43 Resp: 6569

Ion	Ratio	Lower	Upper
43	100		
72	12.3	18.6	27.8#





#31

Cyclohexane

Concen: 1.001 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073026.D

Acq: 14 May 2022 09:36

Instrument :

MSVOA_D

ClientSampleId :

SC-12

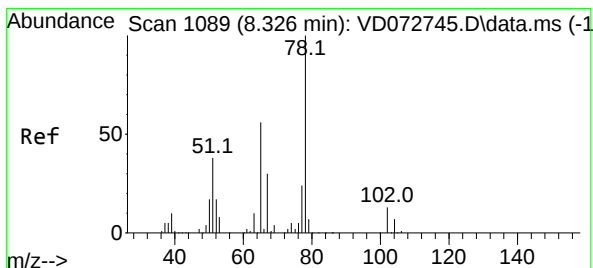
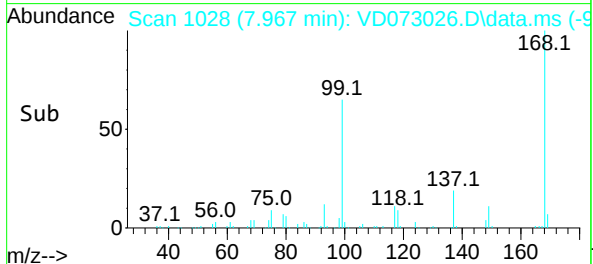
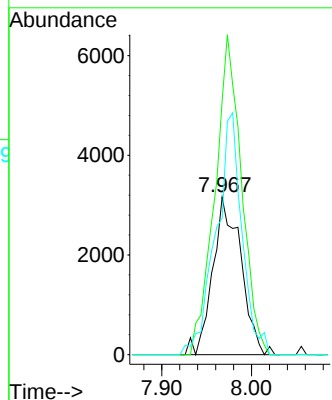
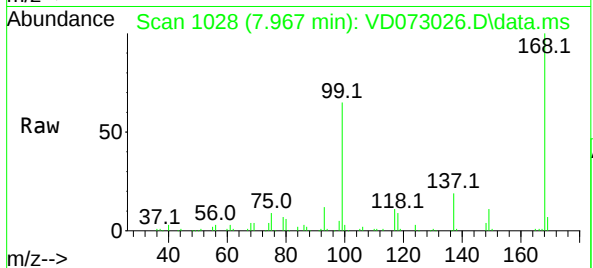
Tgt Ion: 56 Resp: 6883

Ion Ratio Lower Upper

56 100

69 161.1 25.4 38.2#

84 86.5 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 43.798 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073026.D

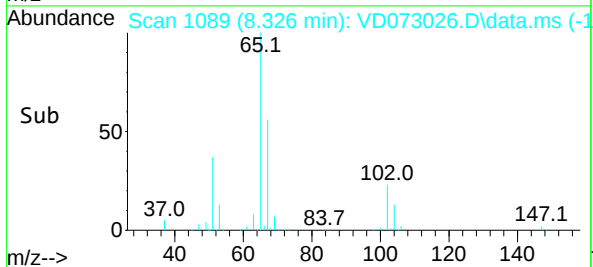
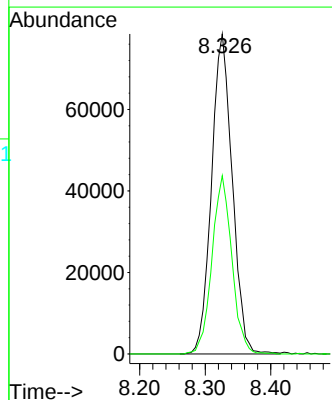
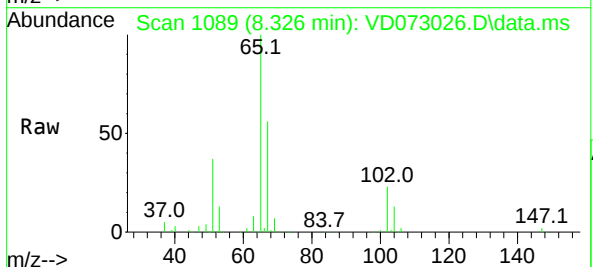
Acq: 14 May 2022 09:36

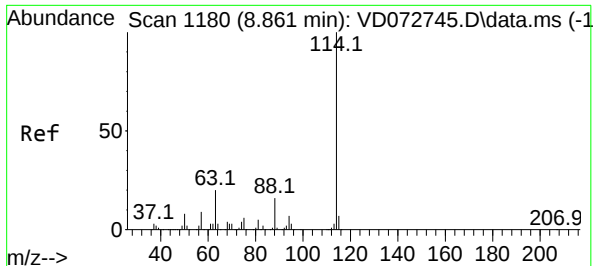
Tgt Ion: 65 Resp: 172288

Ion Ratio Lower Upper

65 100

67 53.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073026.D

Acq: 14 May 2022 09:36

Instrument :

MSVOA_D

ClientSampleId :

SC-12

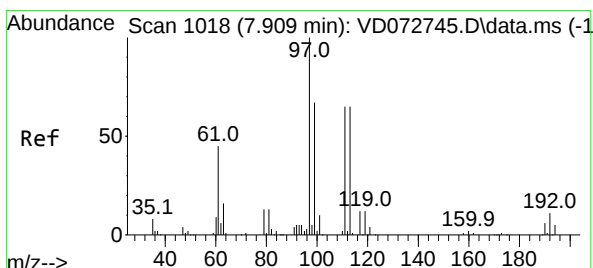
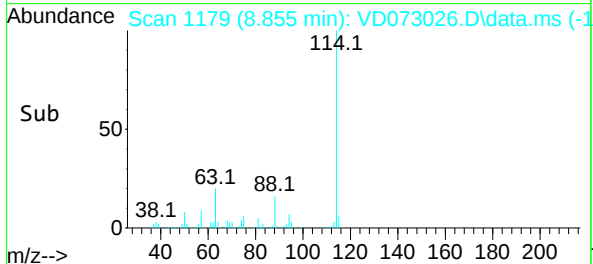
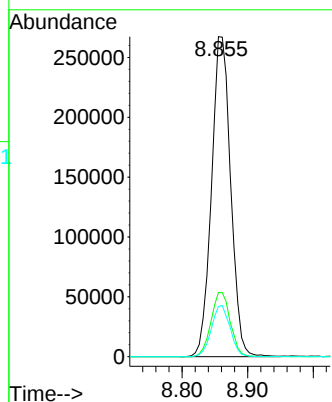
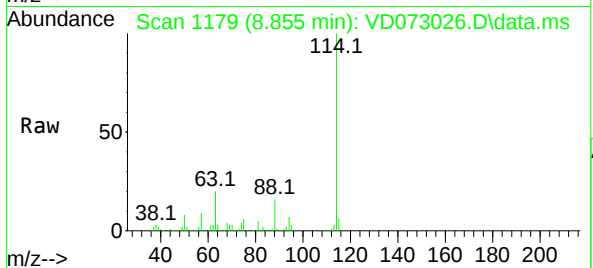
Tgt Ion:114 Resp: 542708

Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.823 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.005 min

Lab File: VD073026.D

Acq: 14 May 2022 09:36

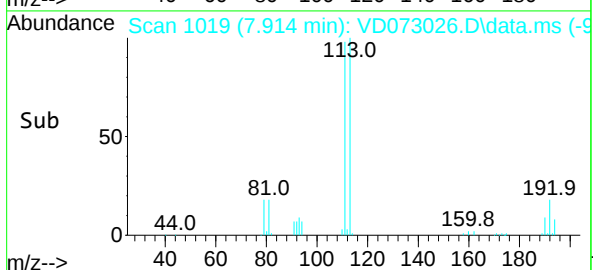
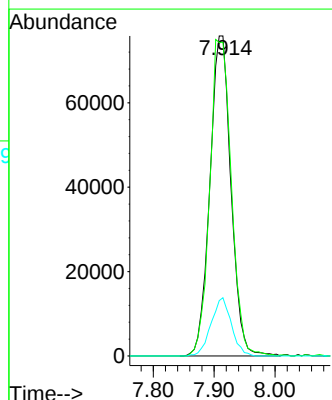
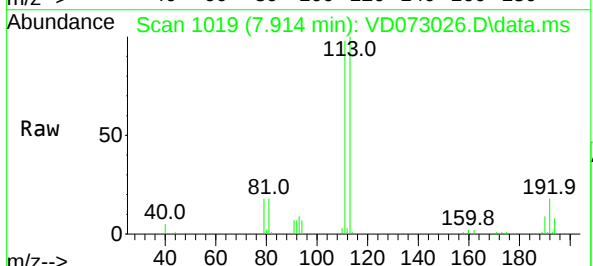
Tgt Ion:113 Resp: 182276

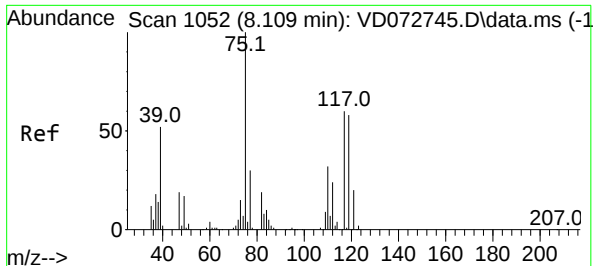
Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

192 17.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.397 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073026.D

Acq: 14 May 2022 09:36

Instrument :

MSVOA_D

ClientSampleId :

SC-12

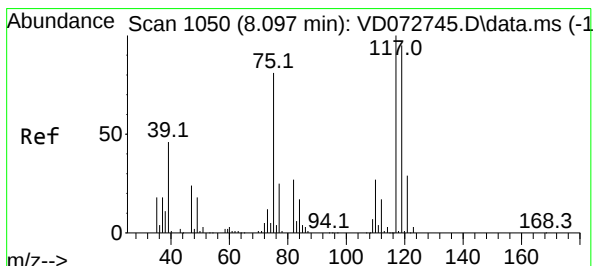
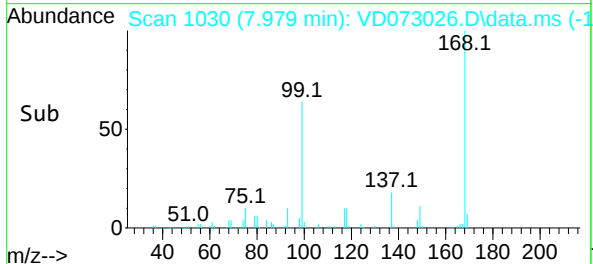
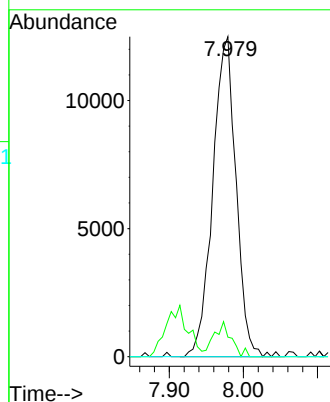
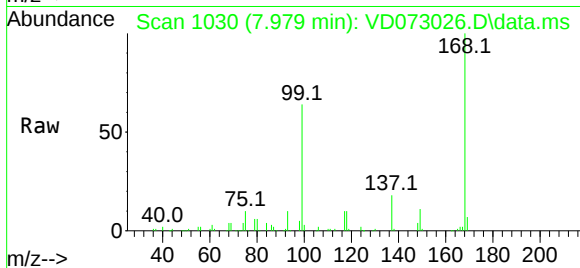
Tgt Ion: 75 Resp: 27249

Ion Ratio Lower Upper

75 100

110 8.2 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.977 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD073026.D

Acq: 14 May 2022 09:36

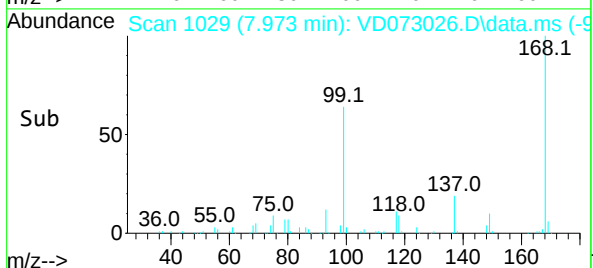
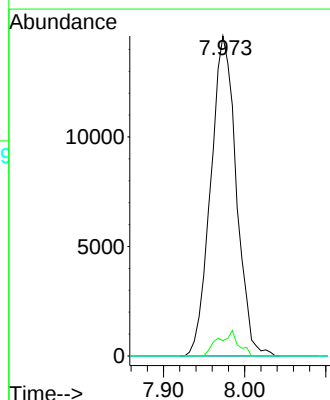
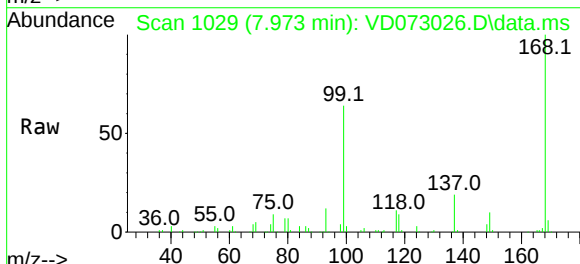
Tgt Ion: 117 Resp: 32017

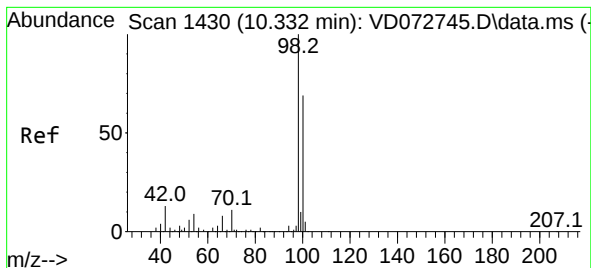
Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 48.318 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073026.D

Acq: 14 May 2022 09:36

Instrument :

MSVOA_D

ClientSampleId :

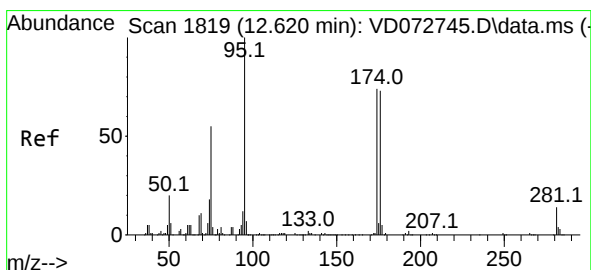
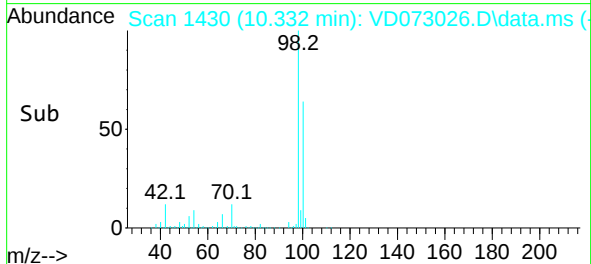
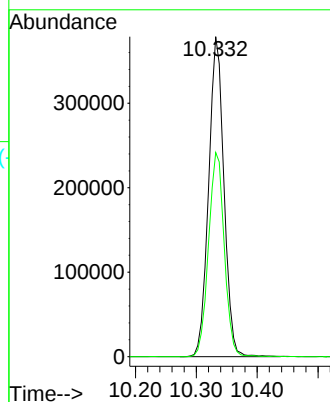
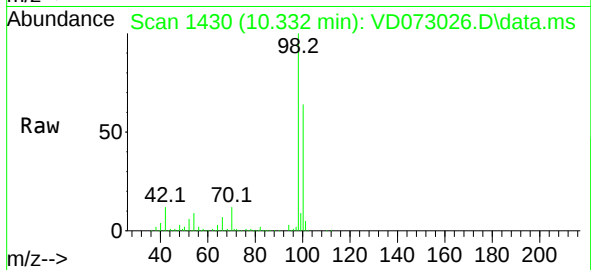
SC-12

Tgt Ion: 98 Resp: 660610

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 49.526 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD073026.D

Acq: 14 May 2022 09:36

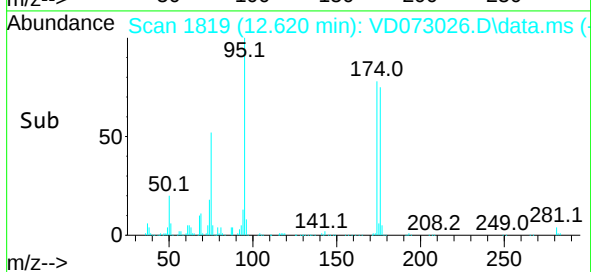
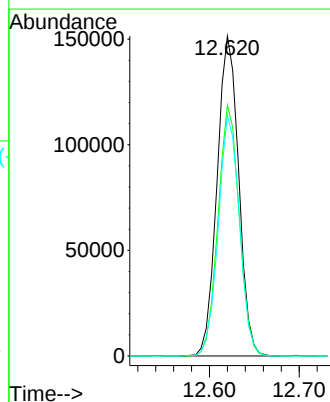
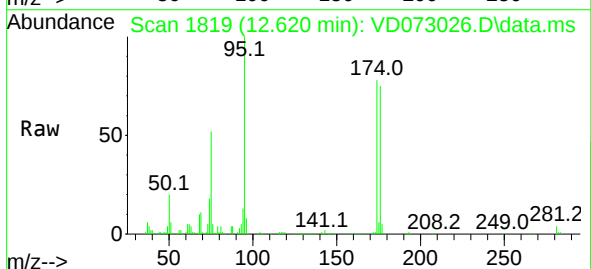
Tgt Ion: 95 Resp: 252482

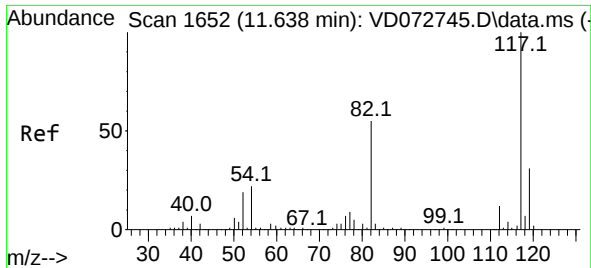
Ion Ratio Lower Upper

95 100

174 76.9 0.0 152.8

176 74.0 0.0 145.4

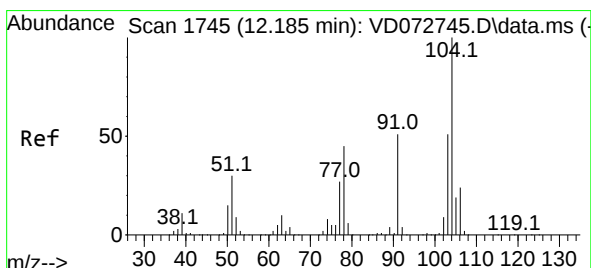
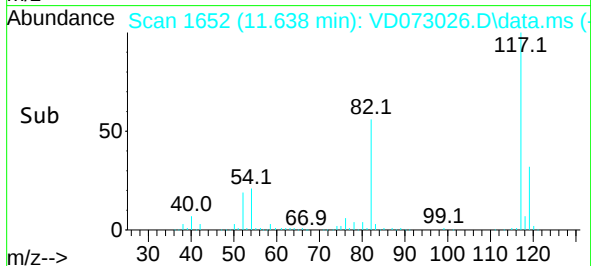
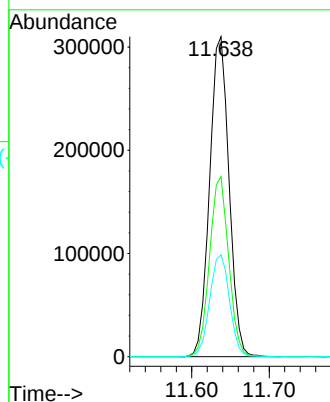
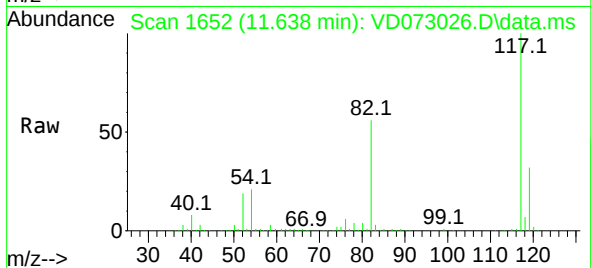




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073026.D
Acq: 14 May 2022 09:36

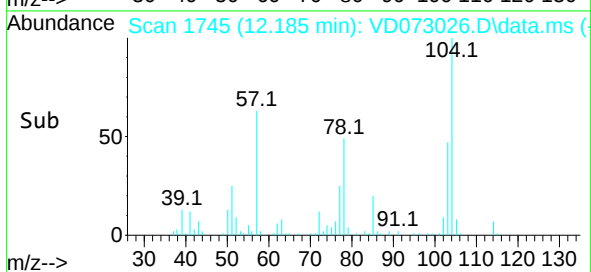
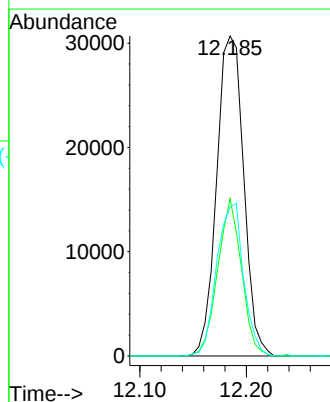
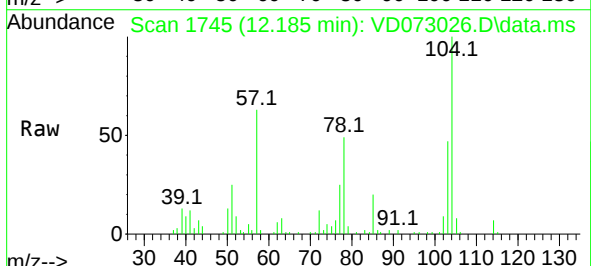
Instrument :
MSVOA_D
ClientSampleId :
SC-12

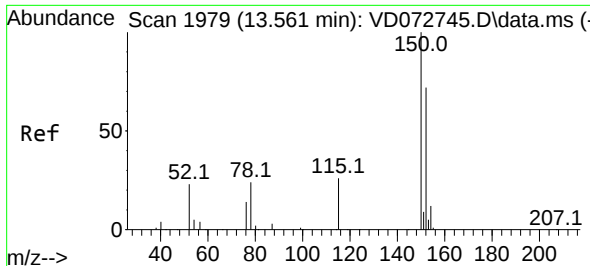
Tgt Ion:117 Resp: 539354
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 31.9 26.6 40.0



#70
Styrene
Concen: 4.018 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. -0.000 min
Lab File: VD073026.D
Acq: 14 May 2022 09:36

Tgt Ion:104 Resp: 54076
Ion Ratio Lower Upper
104 100
78 43.3 41.8 62.8
103 47.3 44.2 66.4

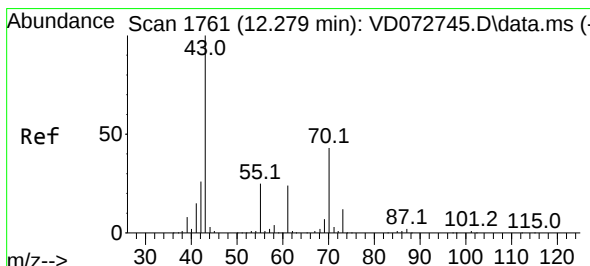
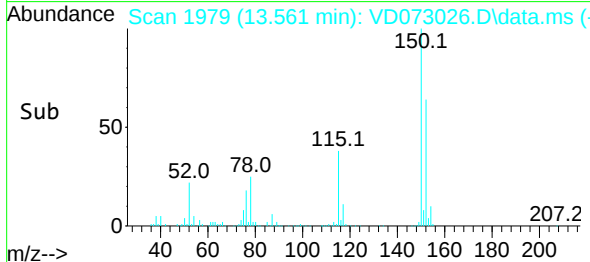
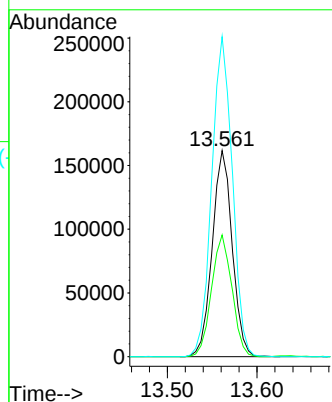
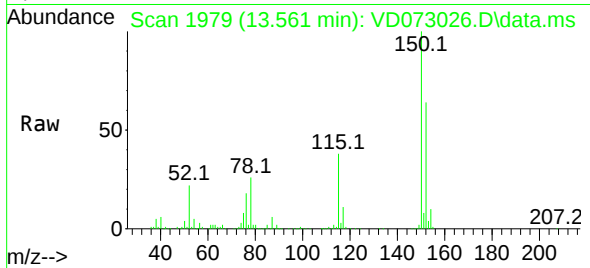




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073026.D
Acq: 14 May 2022 09:36

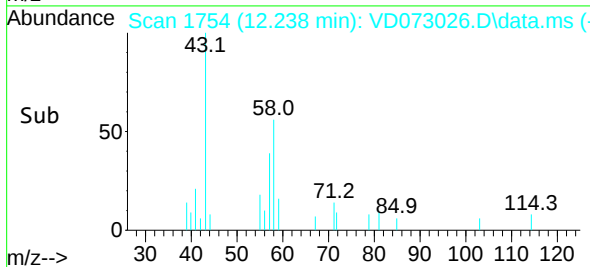
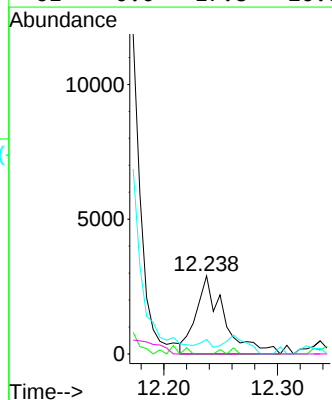
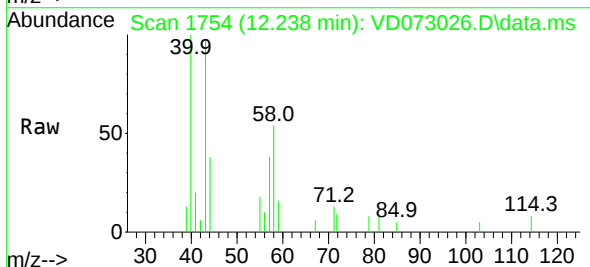
Instrument :
MSVOA_D
ClientSampleId :
SC-12

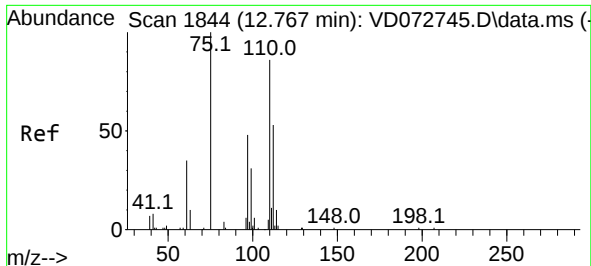
Tgt Ion:152 Resp: 250346
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 159.6 0.0 348.6



#74
N-ethyl acetate
Concen: 1.029 ug/l
RT: 12.238 min Scan# 1754
Delta R.T. -0.041 min
Lab File: VD073026.D
Acq: 14 May 2022 09:36

Tgt Ion: 43 Resp: 4990
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

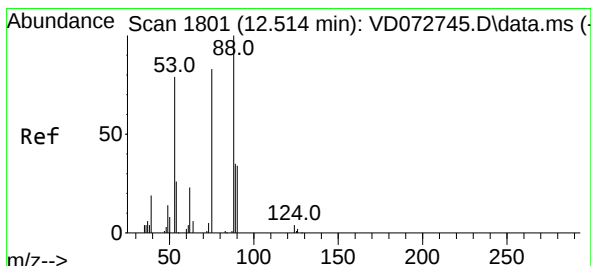
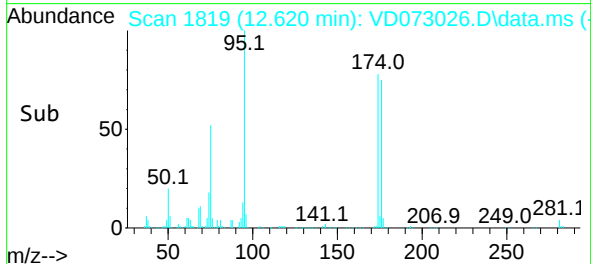
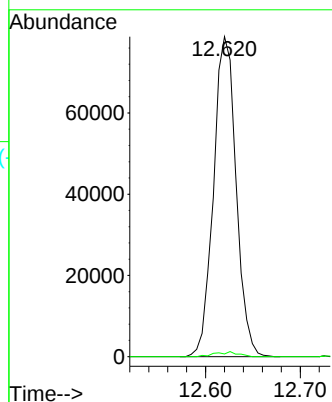
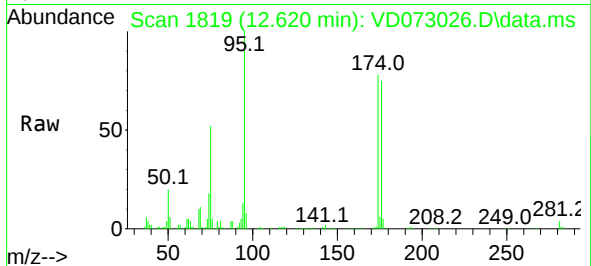




#76
1,2,3-Trichloropropane
Concen: 46.764 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073026.D
Acq: 14 May 2022 09:36

Instrument :
MSVOA_D
ClientSampleId :
SC-12

Tgt Ion: 75 Resp: 130543
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.538 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073026.D
Acq: 14 May 2022 09:36

Tgt Ion: 75 Resp: 130543
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

