

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073002.D
 Acq On : 13 May 2022 21:15
 Operator : VA/SY
 Sample : N2816-12
 Misc : 4.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS004-0006-01

Quant Time: May 16 05:16:49 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)

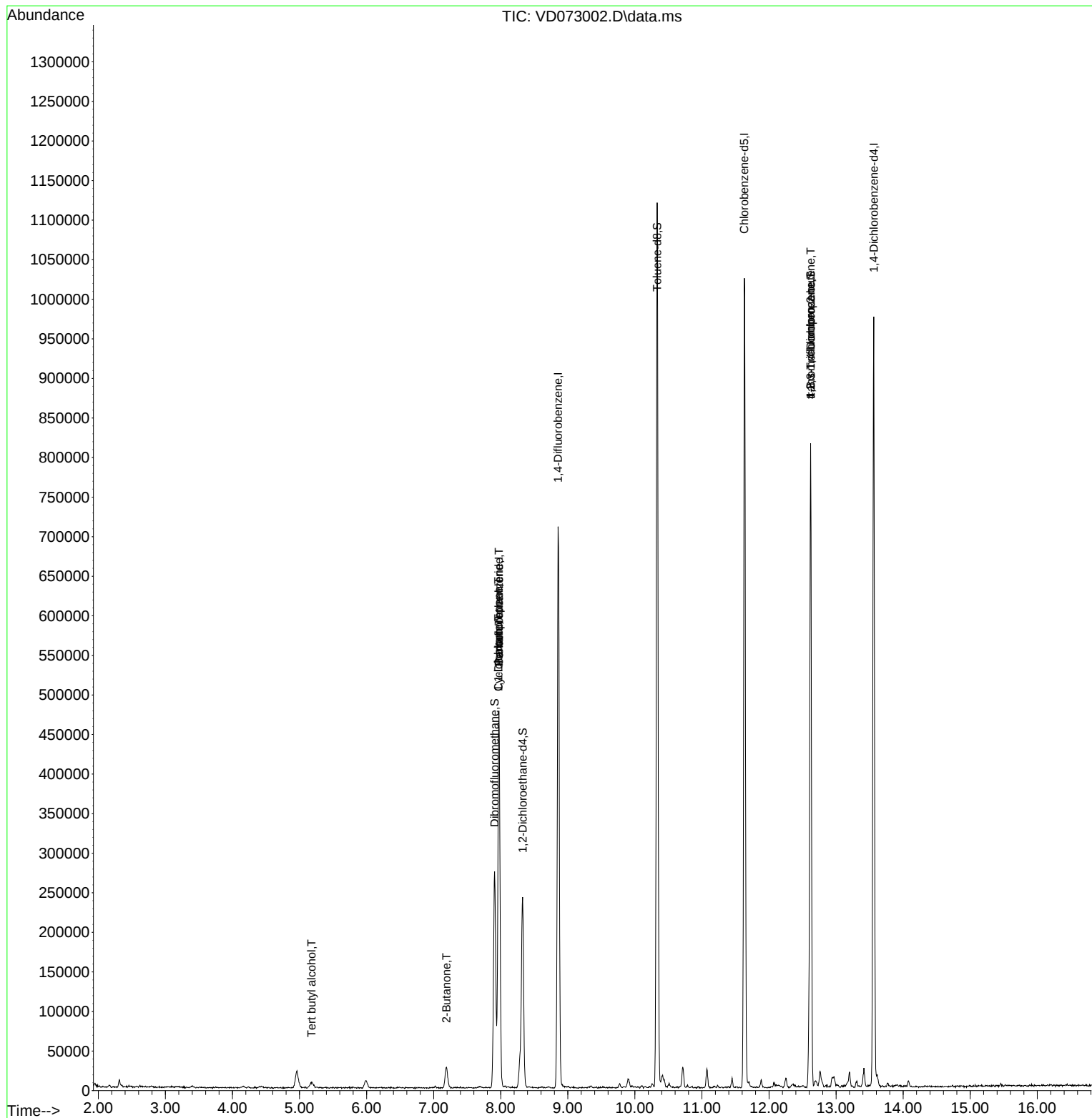
Internal Standards						
1) Pentafluorobenzene	7.973	168	341583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	603623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	594300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	249952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	187916	42.381	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.760%		
35) Dibromofluoromethane	7.909	113	199778	47.125	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.260%		
50) Toluene-d8	10.332	98	743774	48.911	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.820%		
62) 4-Bromofluorobenzene	12.620	95	266951	47.080	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.160%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.756	94	55	Below Cal	#	1
11) Tert butyl alcohol	5.179	59	7723	20.131	ug/l #	74
16) Acetone	4.150	43	1620	Below Cal	#	73
18) Methyl Acetate	4.532	43	72	Below Cal	#	55
20) Methylene Chloride	4.950	84	16454	Below Cal	#	81
25) 2-Butanone	7.191	43	1670	1.293	ug/l #	52
31) Cyclohexane	7.967	56	8436	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	28650	4.156	ug/l #	50
38) Carbon Tetrachloride	7.973	117	36127	5.049	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	134957	48.422	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	134957	111.350	ug/l #	8

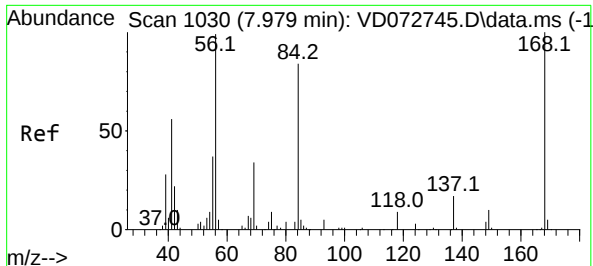
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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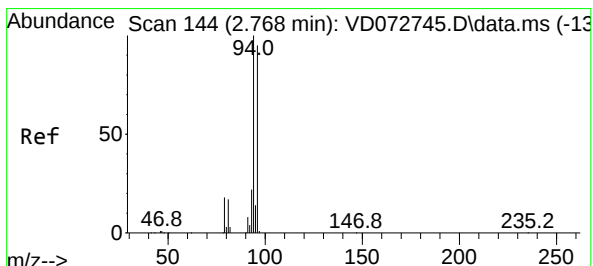
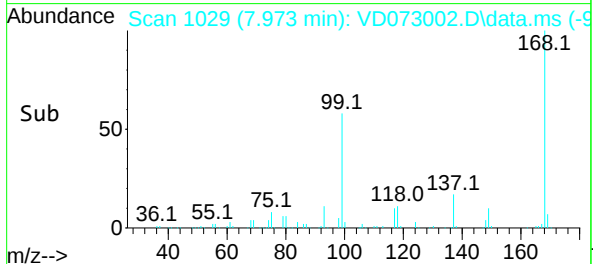
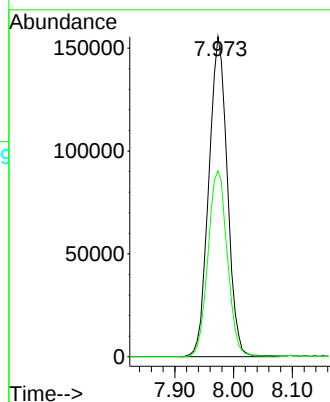
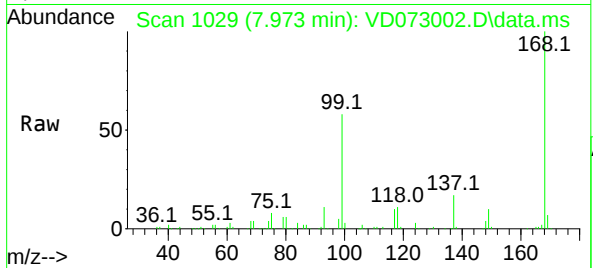




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD073002.D
Acq: 13 May 2022 21:15

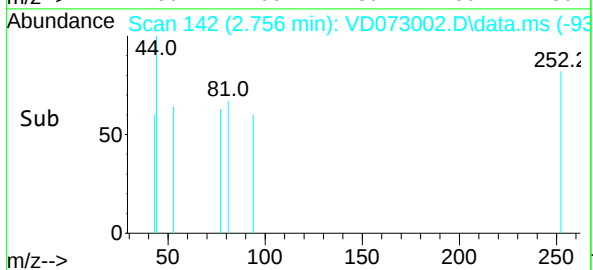
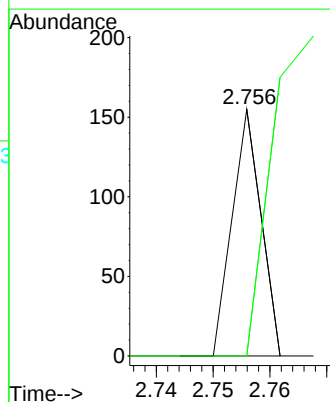
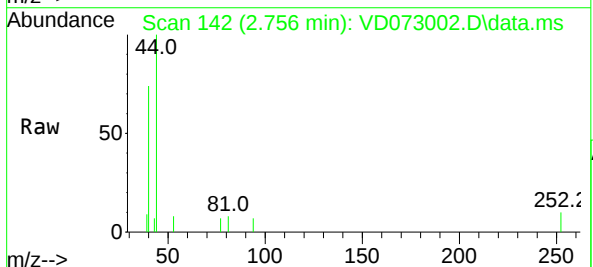
Instrument :
MSVOA_D
ClientSampleId :
P007-SS004-0006-01

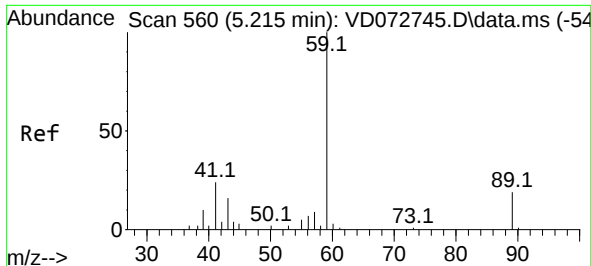
Tgt Ion:168 Resp: 341583
Ion Ratio Lower Upper
168 100
99 58.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.012 min
Lab File: VD073002.D
Acq: 13 May 2022 21:15

Tgt Ion: 94 Resp: 55
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#





#11

Tert butyl alcohol

Concen: 20.131 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD073002.D

Acq: 13 May 2022 21:15

Instrument :

MSVOA_D

ClientSampleId :

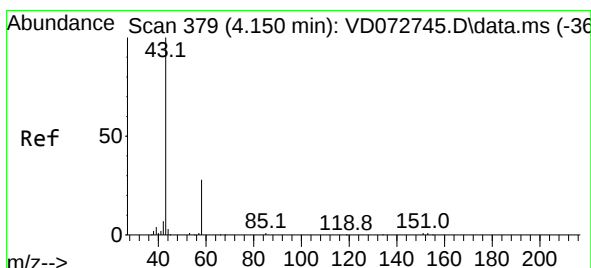
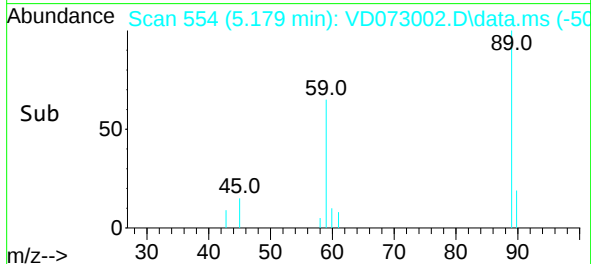
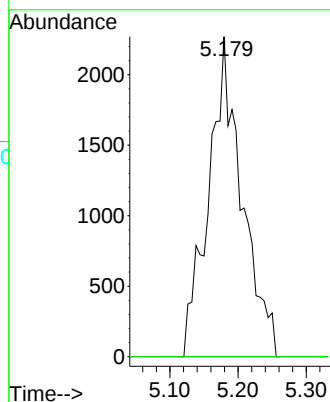
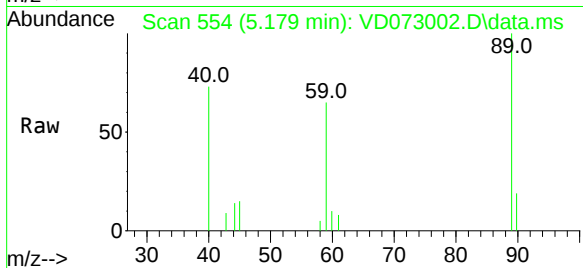
P007-SS004-0006-01

Tgt Ion: 59 Resp: 7723

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: VD073002.D

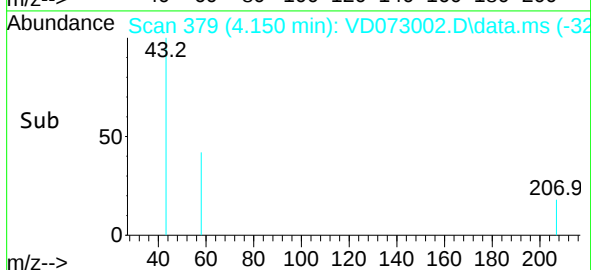
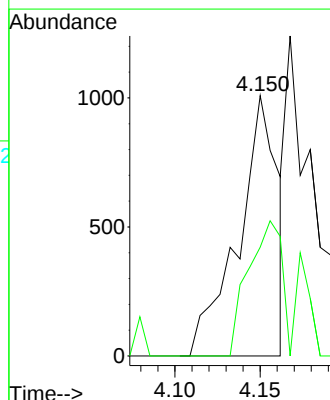
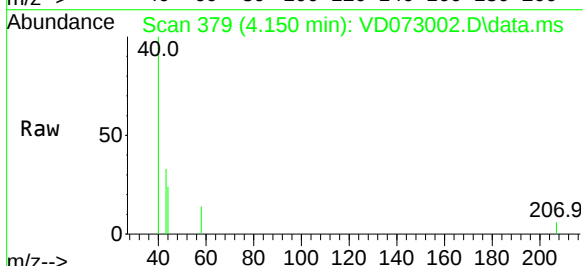
Acq: 13 May 2022 21:15

Tgt Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

58 41.8 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.950 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD073002.D

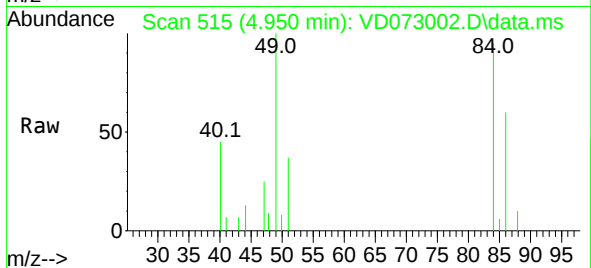
Acq: 13 May 2022 21:15

Instrument :

MSVOA_D

ClientSampleId :

P007-SS004-0006-01



Tgt Ion: 84 Resp: 16454

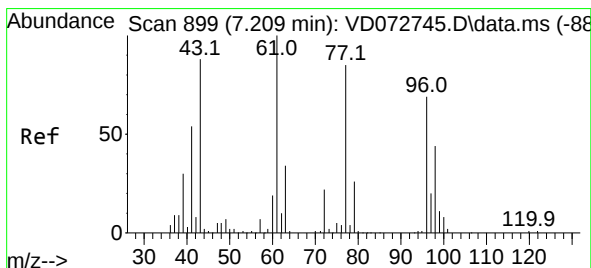
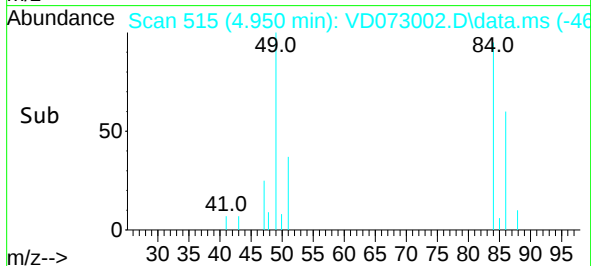
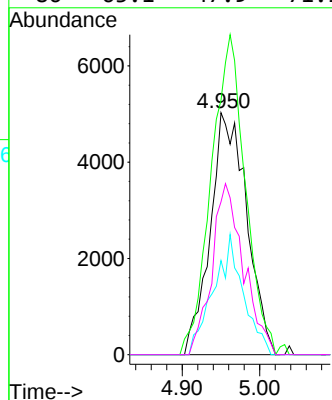
Ion Ratio Lower Upper

84 100

49 105.2 112.8 169.2#

51 38.9 32.6 48.8

86 63.1 47.9 71.9



#25

2-Butanone

Concen: 1.293 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD073002.D

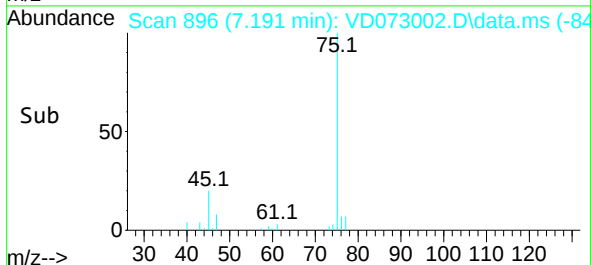
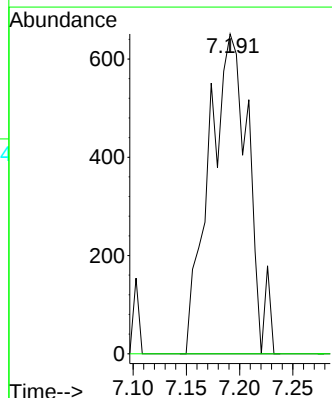
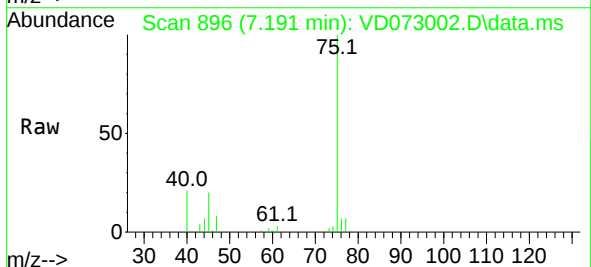
Acq: 13 May 2022 21:15

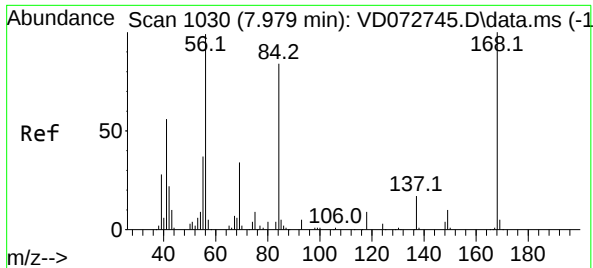
Tgt Ion: 43 Resp: 1670

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

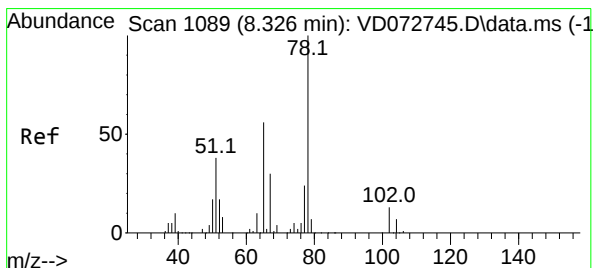
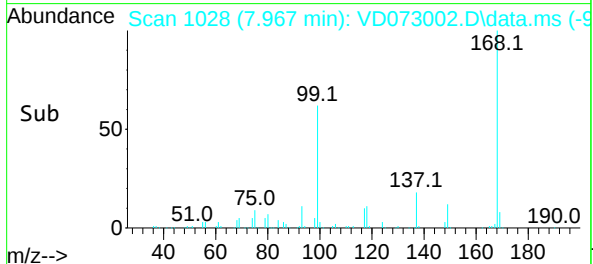
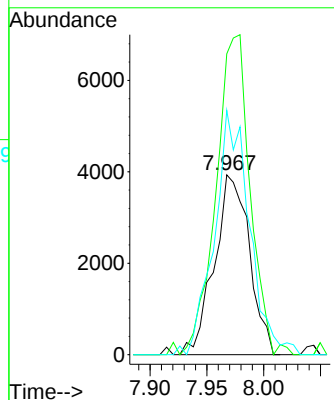
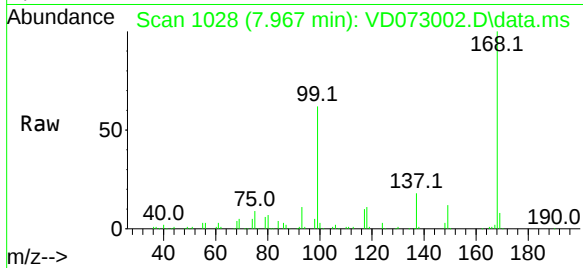




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073002.D
Acq: 13 May 2022 21:15

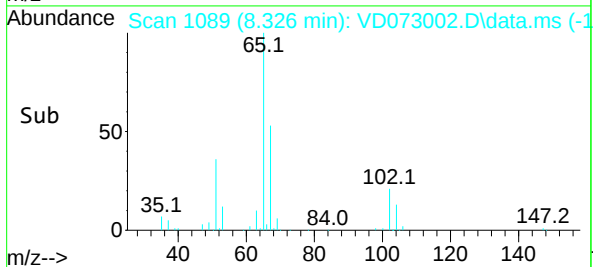
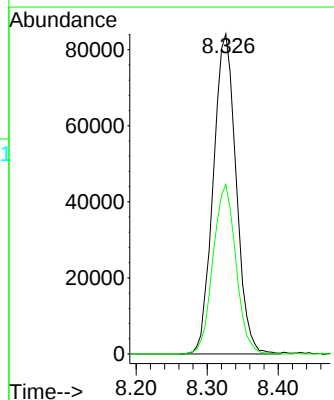
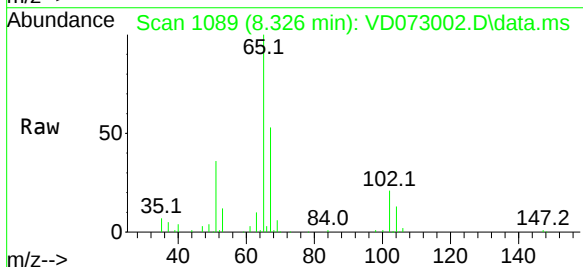
Instrument :
MSVOA_D
ClientSampleId :
P007-SS004-0006-01

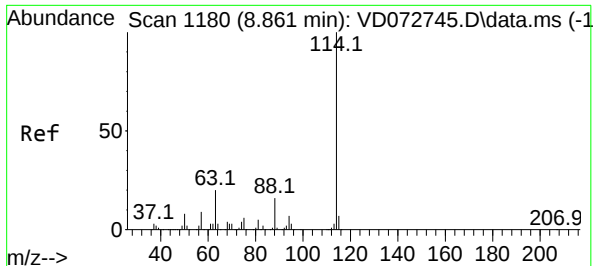
Tgt Ion: 56 Resp: 8436
Ion Ratio Lower Upper
56 100
69 167.2 25.4 38.2#
84 131.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 42.381 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073002.D
Acq: 13 May 2022 21:15

Tgt Ion: 65 Resp: 187916
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1180

Delta R.T. -0.005 min

Lab File: VD073002.D

Acq: 13 May 2022 21:15

Instrument :

MSVOA_D

ClientSampleId :

P007-SS004-0006-01

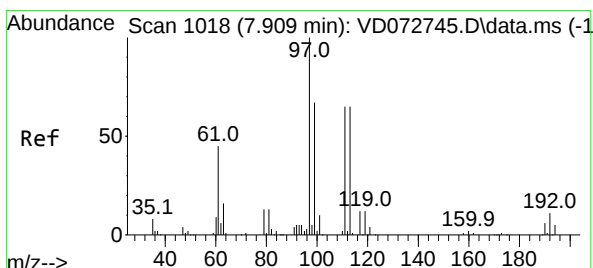
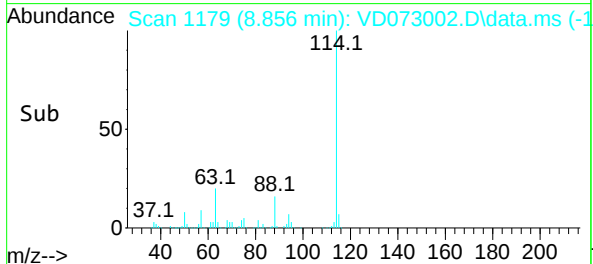
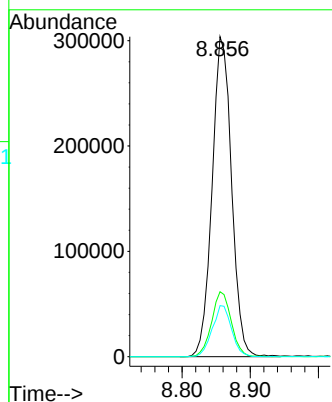
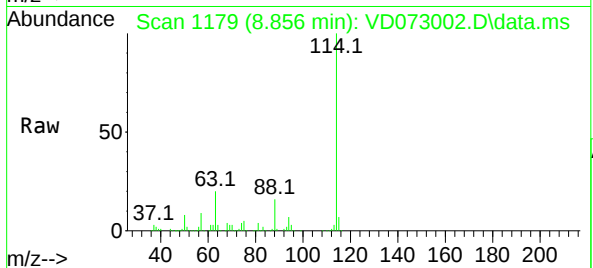
Tgt Ion:114 Resp: 603623

Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.125 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073002.D

Acq: 13 May 2022 21:15

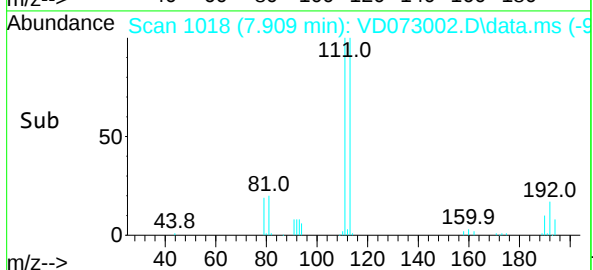
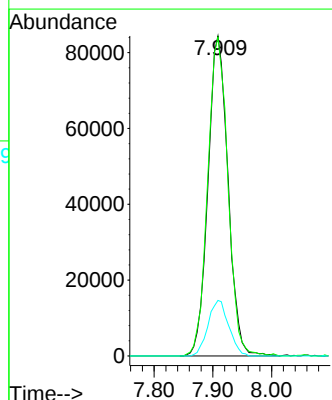
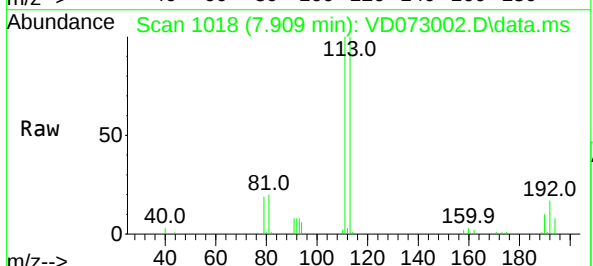
Tgt Ion:113 Resp: 199778

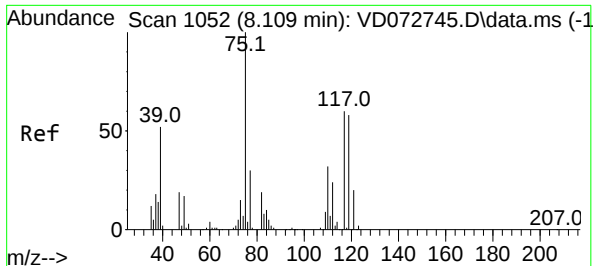
Ion Ratio Lower Upper

113 100

111 100.6 83.8 125.6

192 17.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.156 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.142 min

Lab File: VD073002.D

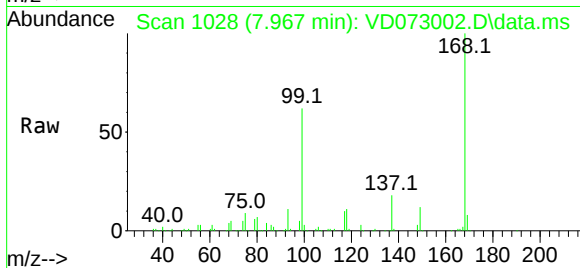
Acq: 13 May 2022 21:15

Instrument :

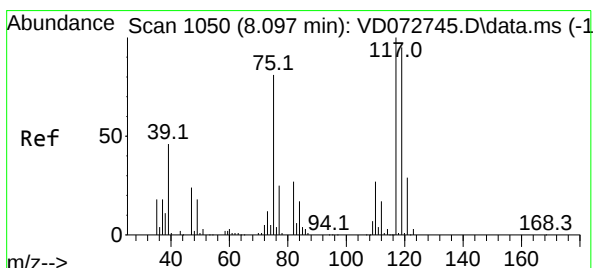
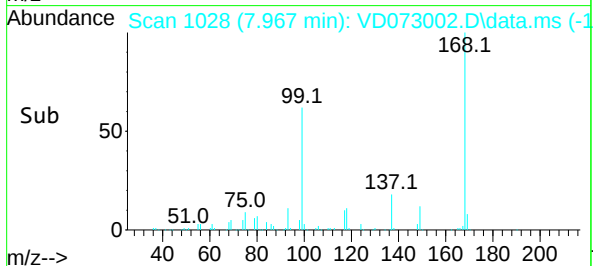
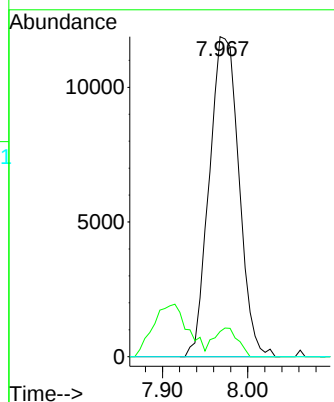
MSVOA_D

ClientSampleId :

P007-SS004-0006-01



Tgt Ion:	75	Resp:	28650
Ion Ratio	Lower	Upper	
75	100		
110	7.3	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.049 ug/l

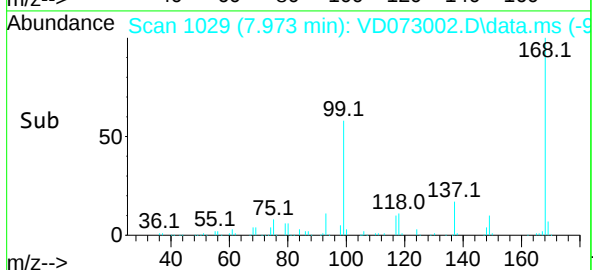
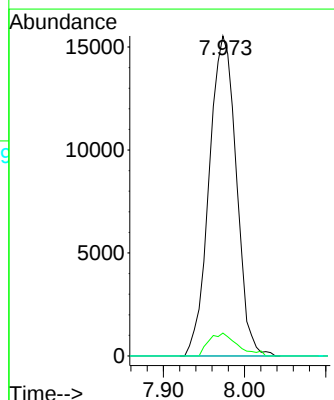
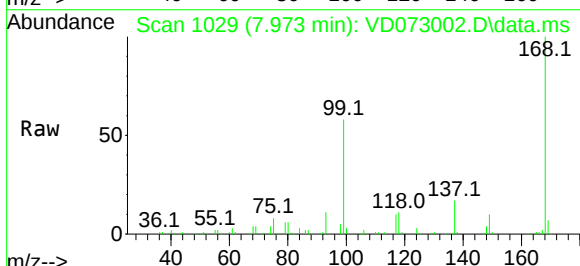
RT: 7.973 min Scan# 1029

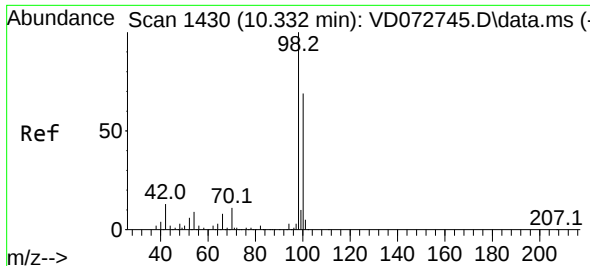
Delta R.T. -0.124 min

Lab File: VD073002.D

Acq: 13 May 2022 21:15

Tgt Ion:	117	Resp:	36127
Ion Ratio	Lower	Upper	
117	100		
119	7.2	75.8	113.6#
121	0.0	24.5	36.7#

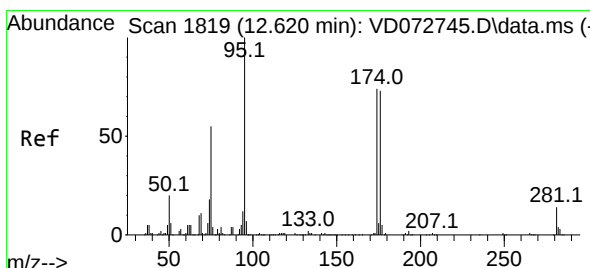
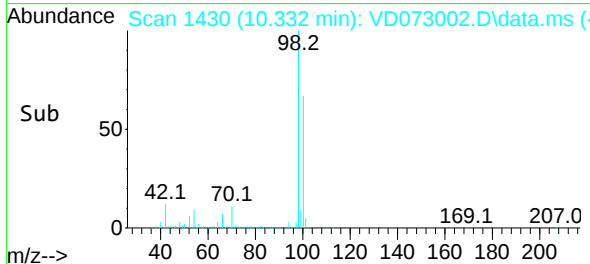
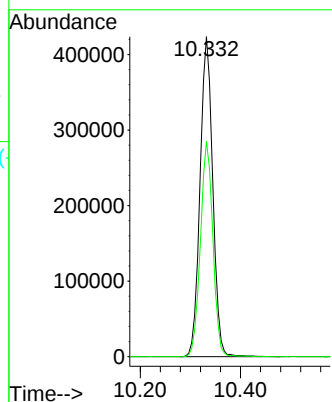
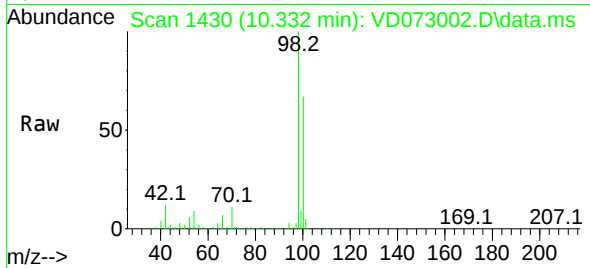




#50
Toluene-d8
Concen: 48.911 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073002.D
Acq: 13 May 2022 21:15

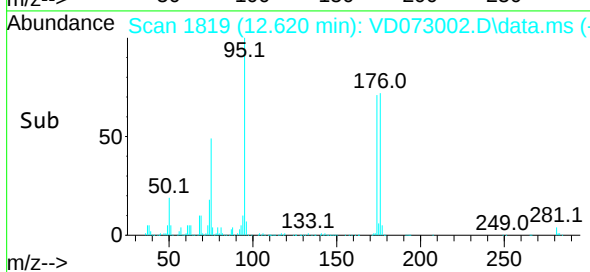
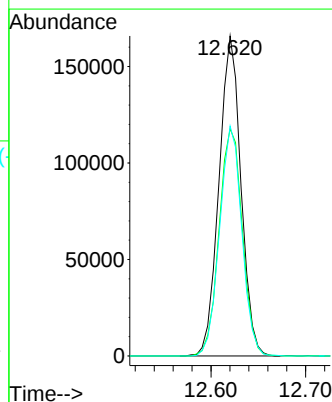
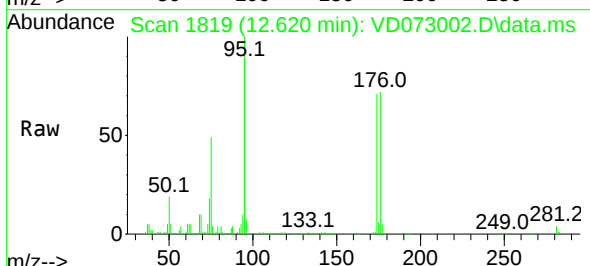
Instrument :
MSVOA_D
ClientSampleId :
P007-SS004-0006-01

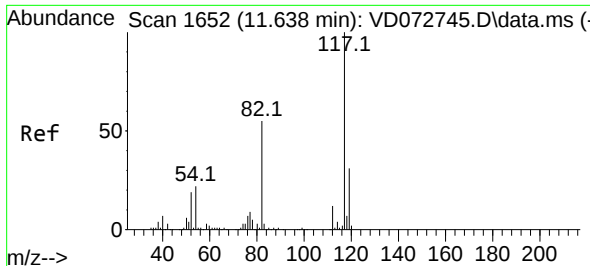
Tgt Ion: 98 Resp: 743774
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 47.080 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073002.D
Acq: 13 May 2022 21:15

Tgt Ion: 95 Resp: 266951
Ion Ratio Lower Upper
95 100
174 75.3 0.0 152.8
176 72.6 0.0 145.4

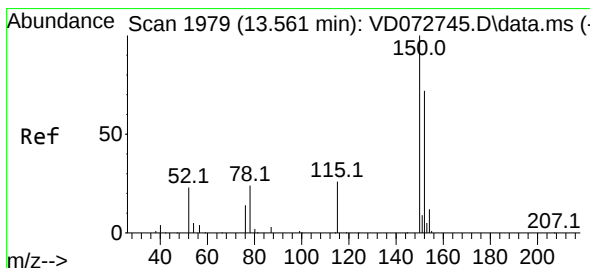
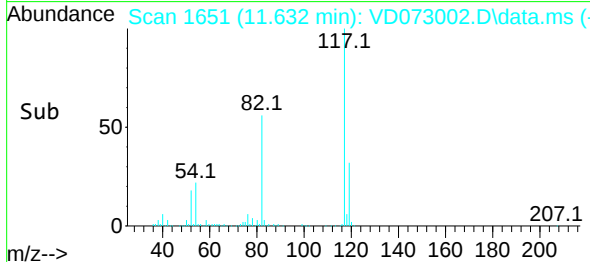
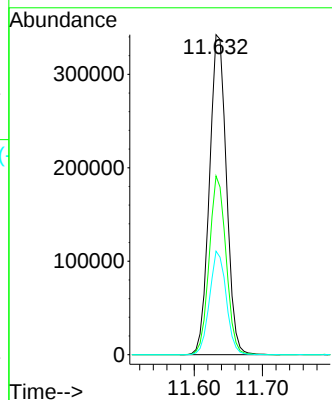
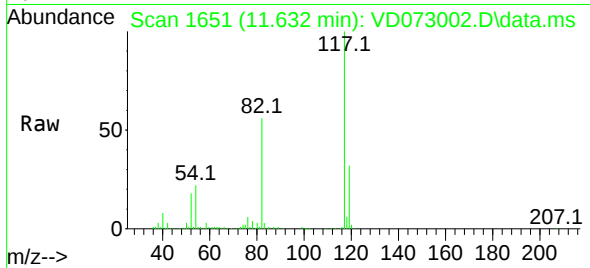




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073002.D
Acq: 13 May 2022 21:15

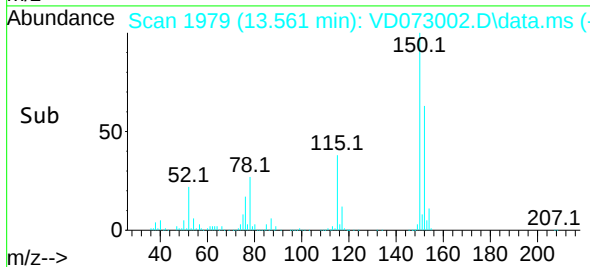
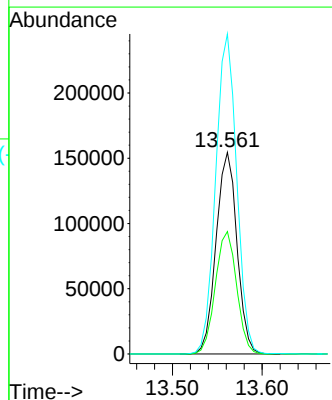
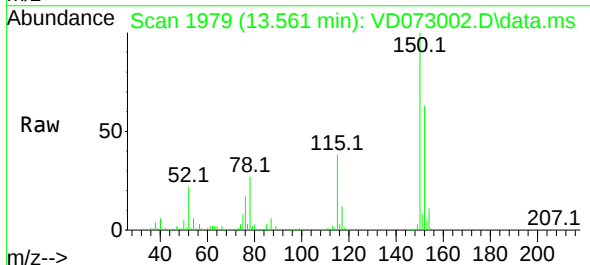
Instrument :
MSVOA_D
ClientSampleId :
P007-SS004-0006-01

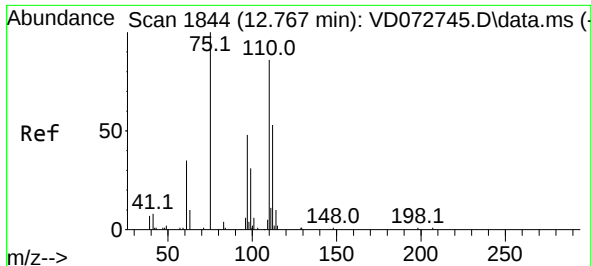
Tgt Ion:117 Resp: 594300
Ion Ratio Lower Upper
117 100
82 55.9 45.3 67.9
119 32.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073002.D
Acq: 13 May 2022 21:15

Tgt Ion:152 Resp: 249952
Ion Ratio Lower Upper
152 100
115 61.9 31.3 93.8
150 159.3 0.0 348.6

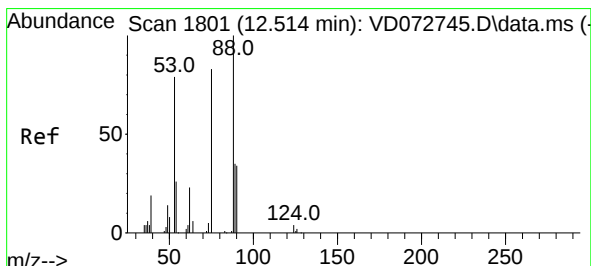
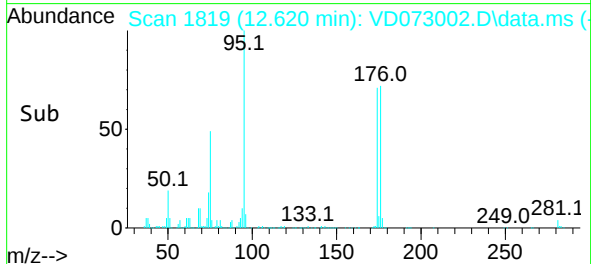
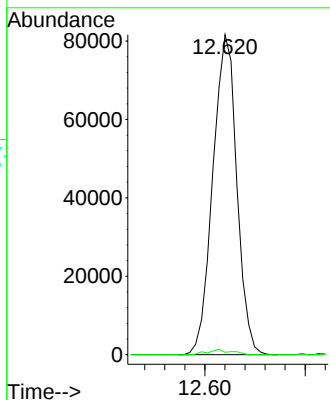
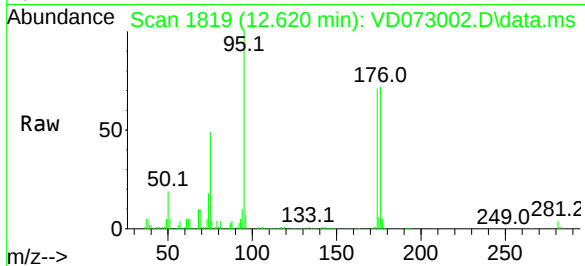




#76
1,2,3-Trichloropropane
Concen: 48.422 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073002.D
Acq: 13 May 2022 21:15

Instrument :
MSVOA_D
ClientSampleId :
P007-SS004-0006-01

Tgt Ion: 75 Resp: 134957
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.350 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073002.D
Acq: 13 May 2022 21:15

Tgt Ion: 75 Resp: 134957
Ion Ratio Lower Upper
75 100
53 1.4 86.5 129.7#
89 0.1 33.9 50.9#

