

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD072997.D
 Acq On : 13 May 2022 18:51
 Operator : VA/SY
 Sample : N2816-05
 Misc : 6.30G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS002-0006-01

Quant Time: May 16 05:16:00 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)

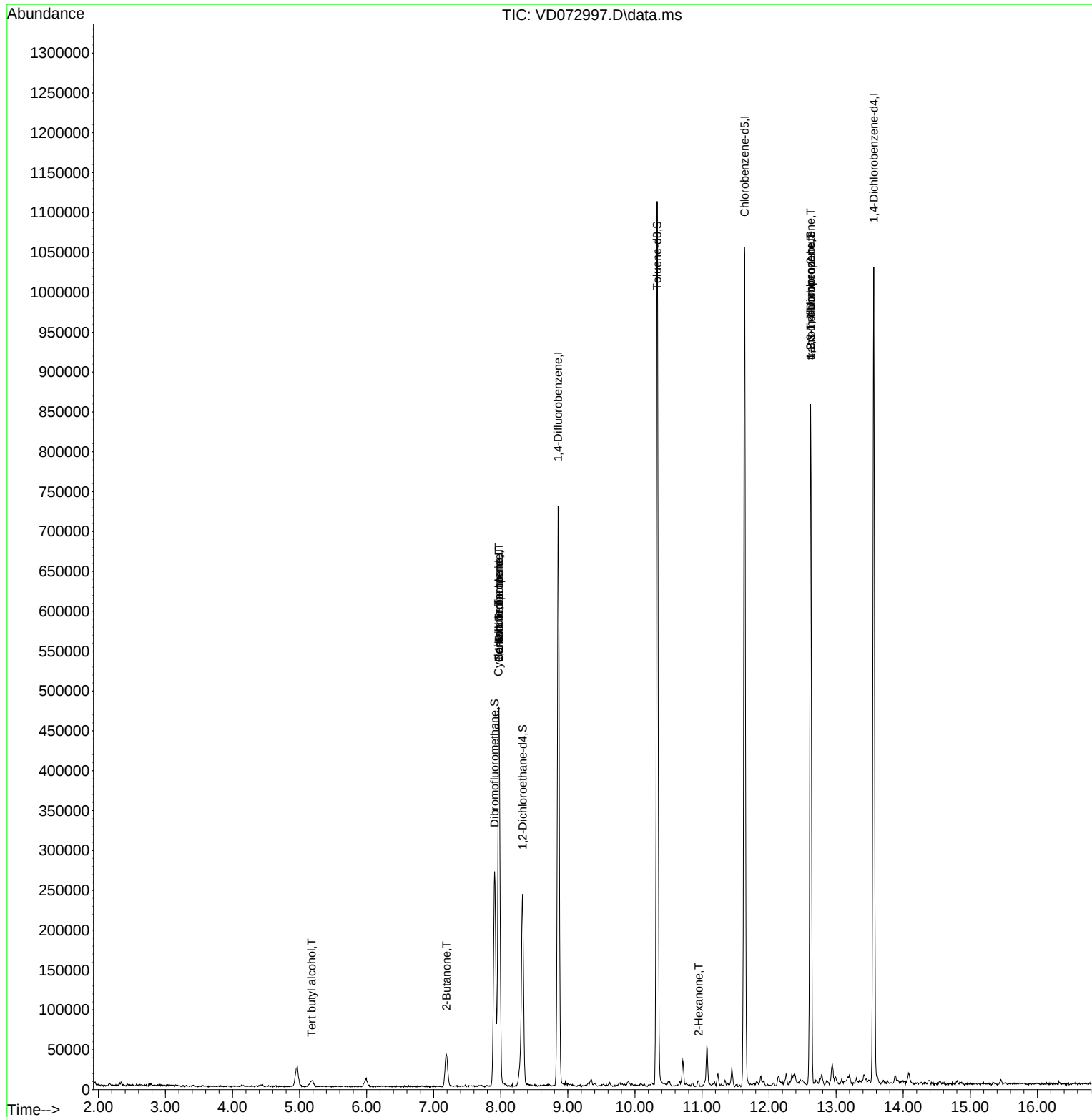
Internal Standards						
1) Pentafluorobenzene	7.973	168	345034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	607886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	600530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	264760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	185440	41.404	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.800%		
35) Dibromofluoromethane	7.908	113	197453	46.250	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.500%		
50) Toluene-d8	10.332	98	741789	48.438	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.880%		
62) 4-Bromofluorobenzene	12.620	95	274440	48.061	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.120%		
Target Compounds						
5) Bromomethane	2.768	94	487	Below Cal	Qvalue 97	
11) Tert butyl alcohol	5.179	59	8287	21.385 ug/l #	74	
16) Acetone	4.167	43	2834	Below Cal #	64	
18) Methyl Acetate	4.938	43	166	Below Cal #	55	
20) Methylene Chloride	4.967	84	18152	Below Cal	97	
25) 2-Butanone	7.191	43	2797	2.143 ug/l #	52	
31) Cyclohexane	7.967	56	8436	1.077 ug/l #	1	
36) 1,1-Dichloropropene	7.973	75	29920	4.310 ug/l #	52	
38) Carbon Tetrachloride	7.973	117	37208	5.163 ug/l #	18	
59) 2-Hexanone	10.949	43	2930	1.423 ug/l #	27	
76) 1,2,3-Trichloropropane	12.620	75	142350	48.218 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.620	75	142350	110.881 ug/l #	7	

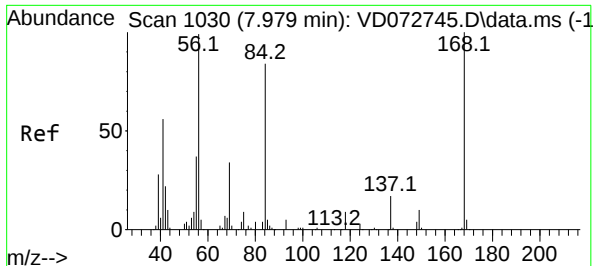
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
Data File : VD072997.D
Acq On : 13 May 2022 18:51
Operator : VA/SY
Sample : N2816-05
Misc : 6.30G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0006-01

Quant Time: May 16 05:16:00 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

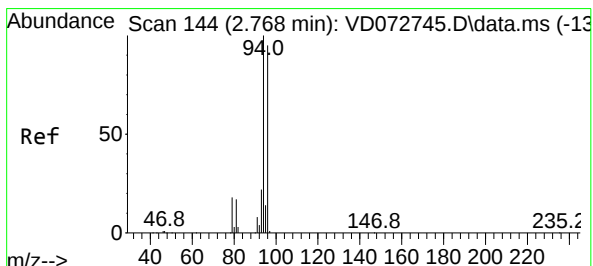
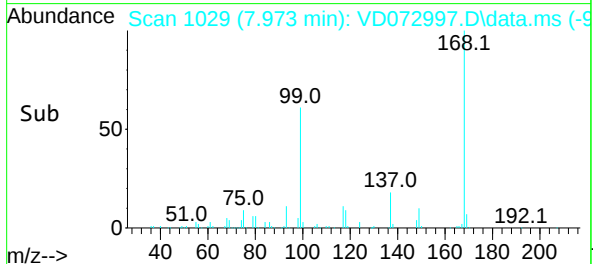
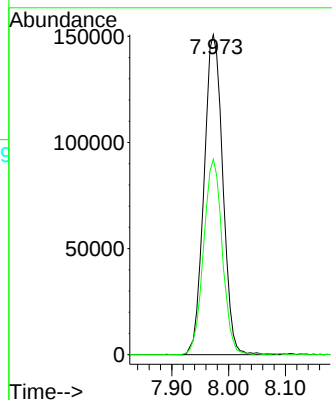
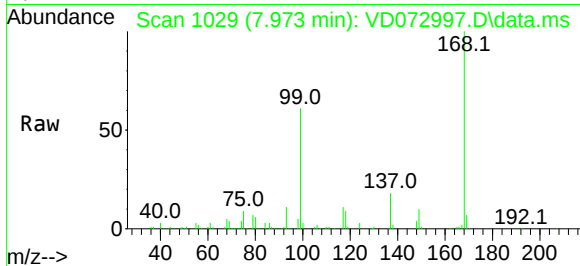




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072997.D
Acq: 13 May 2022 18:51

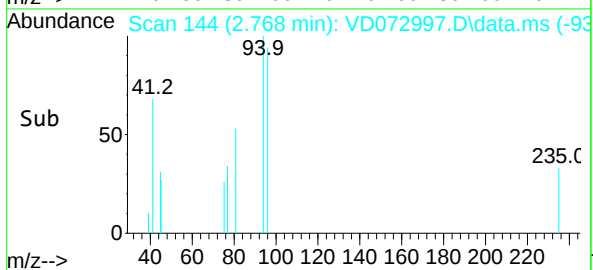
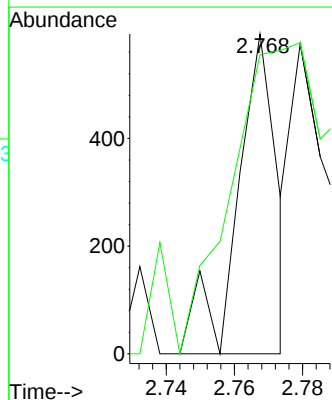
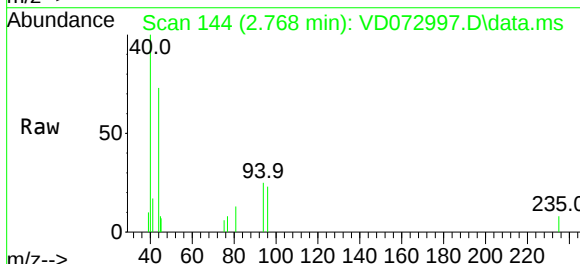
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0006-01

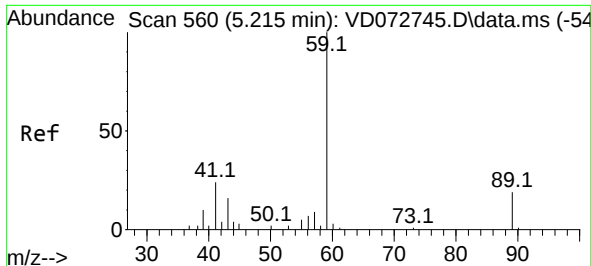
Tgt Ion:168 Resp: 345034
Ion Ratio Lower Upper
168 100
99 61.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD072997.D
Acq: 13 May 2022 18:51

Tgt Ion: 94 Resp: 487
Ion Ratio Lower Upper
94 100
96 93.6 77.6 116.4





#11

Tert butyl alcohol

Concen: 21.385 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD072997.D

Acq: 13 May 2022 18:51

Instrument :

MSVOA_D

ClientSampleId :

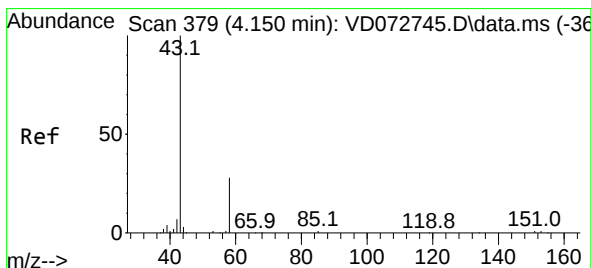
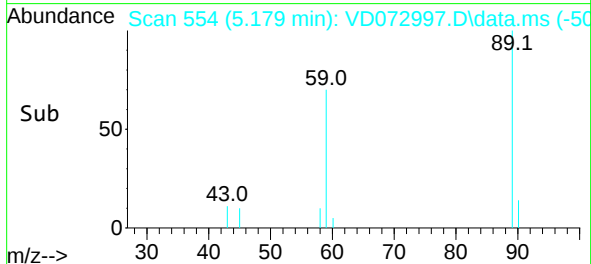
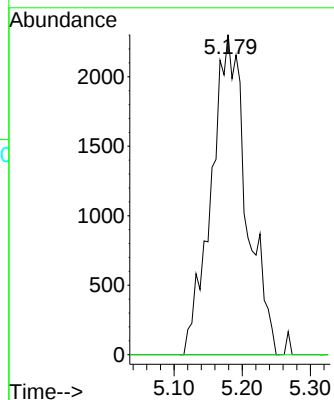
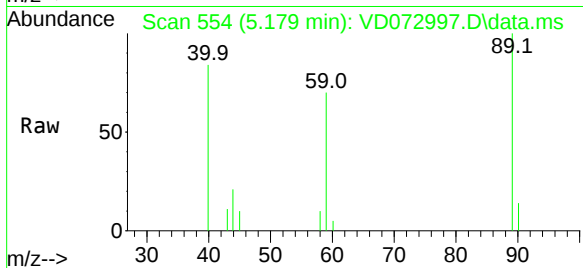
P007-SS002-0006-01

Tgt Ion: 59 Resp: 8287

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.167 min Scan# 382

Delta R.T. 0.017 min

Lab File: VD072997.D

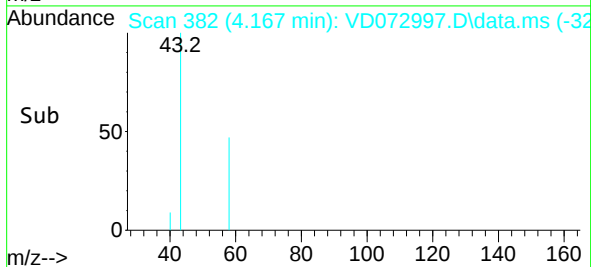
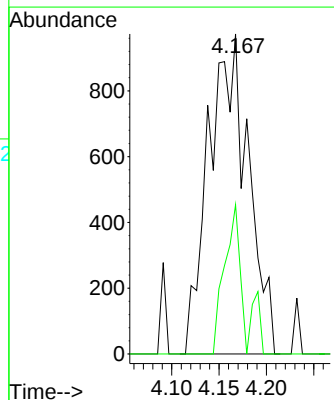
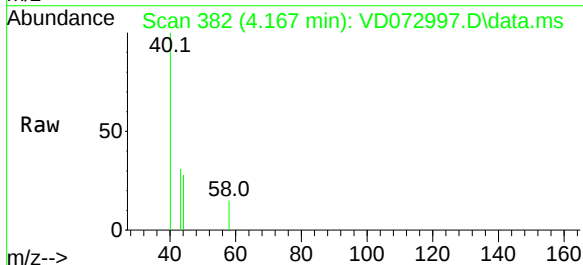
Acq: 13 May 2022 18:51

Tgt Ion: 43 Resp: 2834

Ion Ratio Lower Upper

43 100

58 46.7 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 517

Delta R.T. 0.005 min

Lab File: VD072997.D

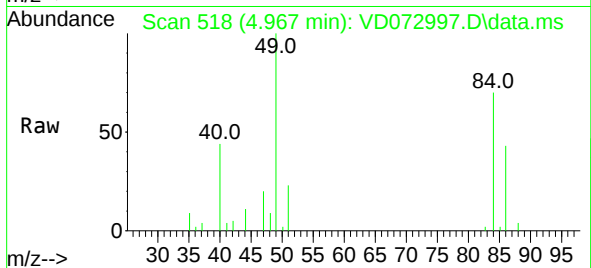
Acq: 13 May 2022 18:51

Instrument :

MSVOA_D

ClientSampleId :

P007-SS002-0006-01



Tgt Ion: 84 Resp: 18152

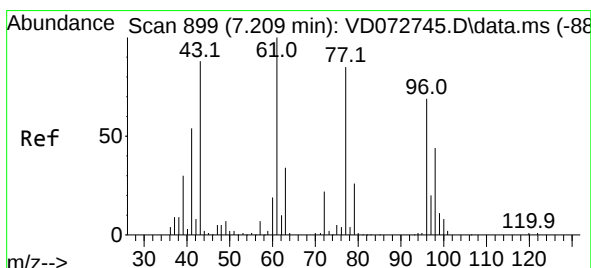
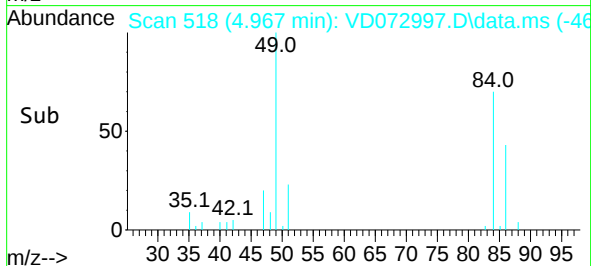
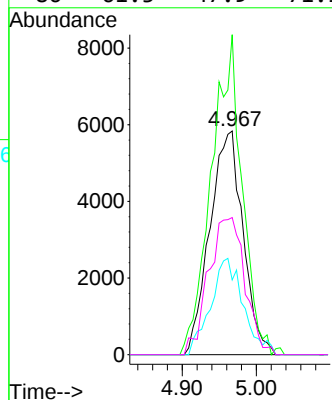
Ion Ratio Lower Upper

84 100

49 143.1 112.8 169.2

51 33.4 32.6 48.8

86 61.3 47.9 71.9



#25

2-Butanone

Concen: 2.143 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD072997.D

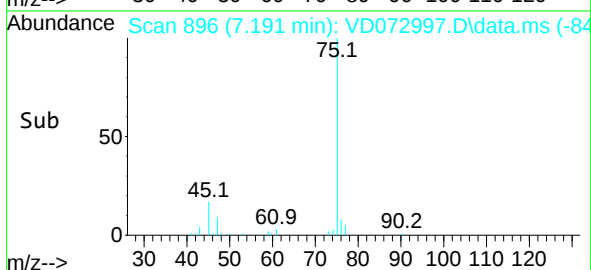
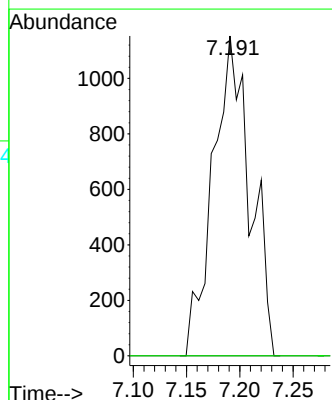
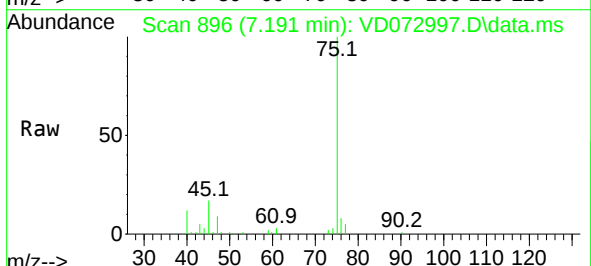
Acq: 13 May 2022 18:51

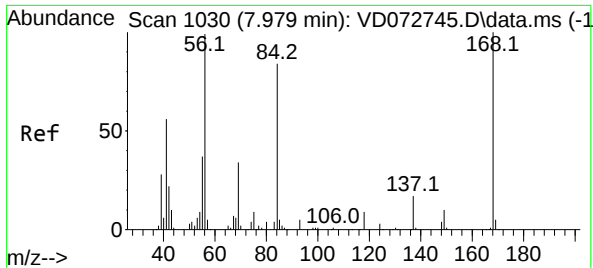
Tgt Ion: 43 Resp: 2797

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

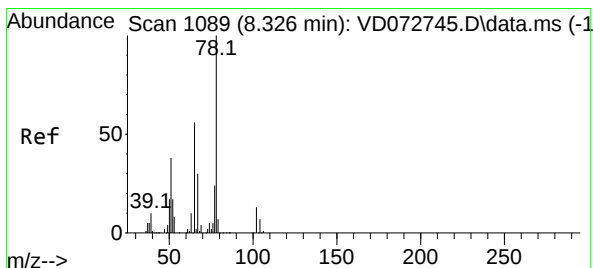
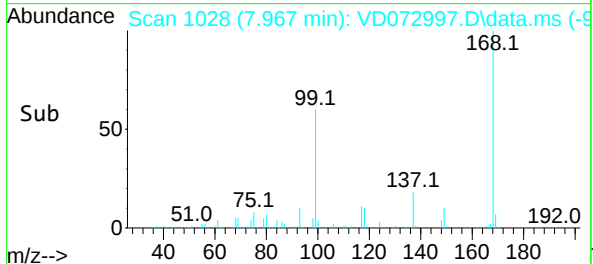
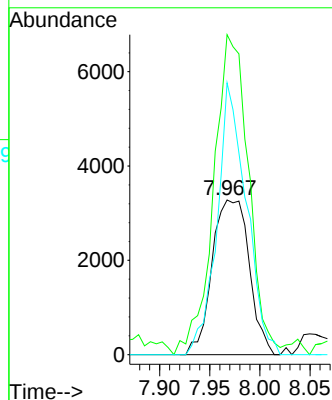
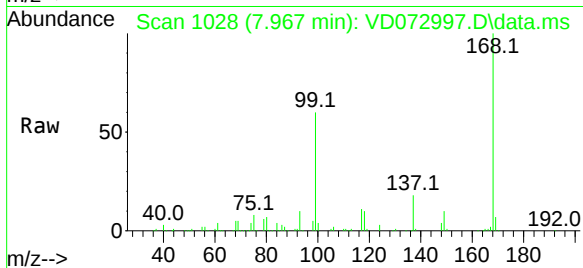




#31
Cyclohexane
Concen: 1.077 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072997.D
Acq: 13 May 2022 18:51

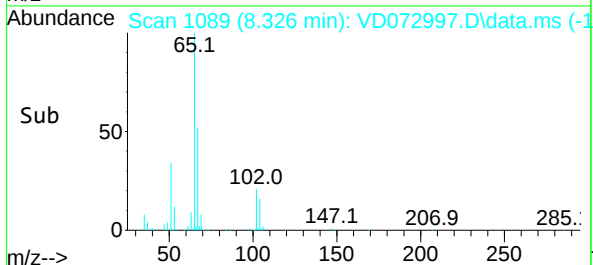
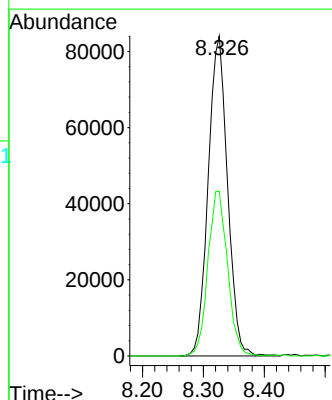
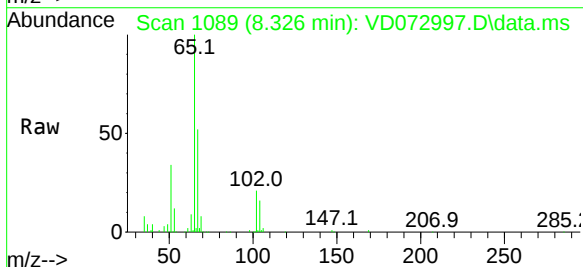
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0006-01

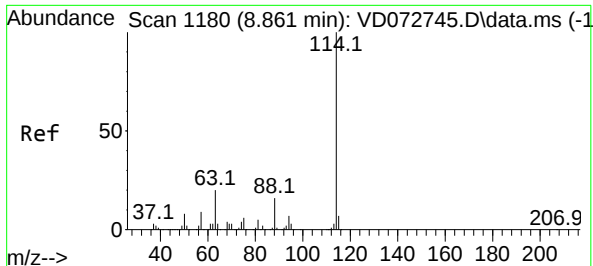
Tgt Ion: 56 Resp: 8436
Ion Ratio Lower Upper
56 100
69 202.3 25.4 38.2#
84 175.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 41.404 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072997.D
Acq: 13 May 2022 18:51

Tgt Ion: 65 Resp: 185440
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072997.D

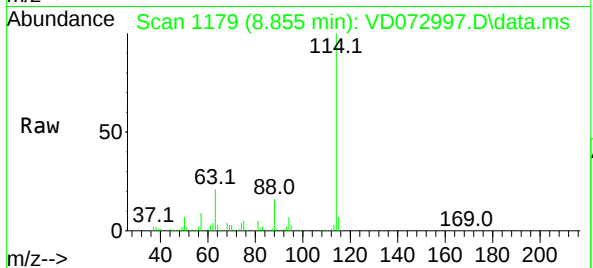
Acq: 13 May 2022 18:51

Instrument :

MSVOA_D

ClientSampleId :

P007-SS002-0006-01



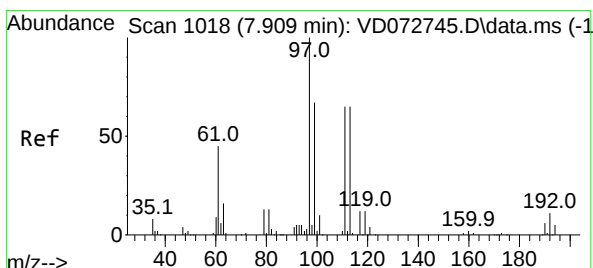
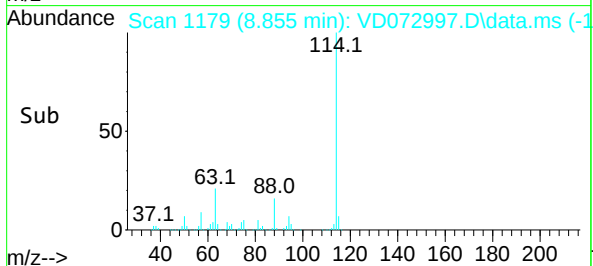
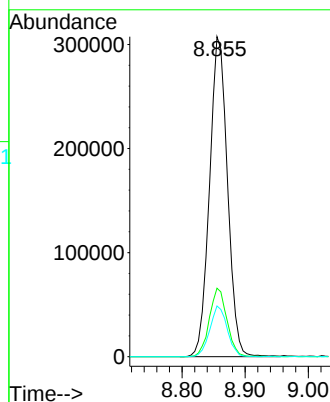
Tgt Ion:114 Resp: 607886

Ion Ratio Lower Upper

114 100

63 21.4 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.250 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072997.D

Acq: 13 May 2022 18:51

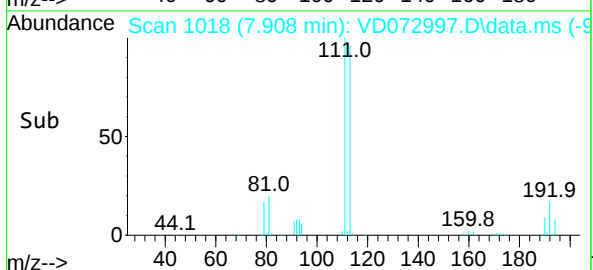
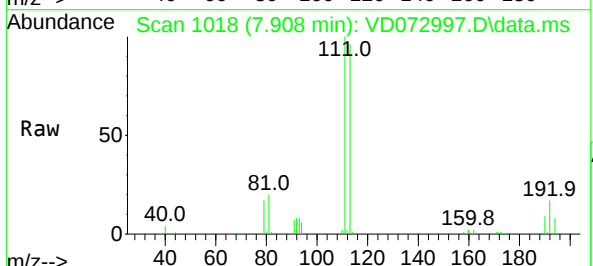
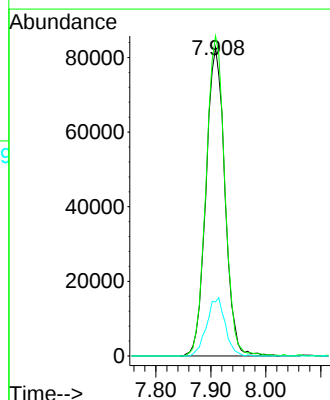
Tgt Ion:113 Resp: 197453

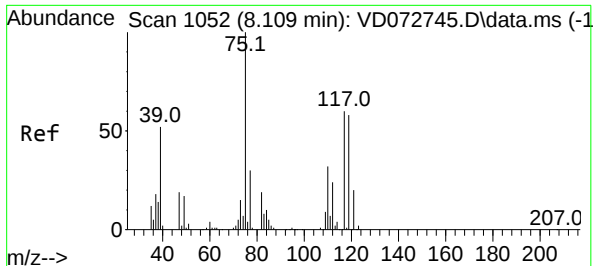
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.310 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072997.D

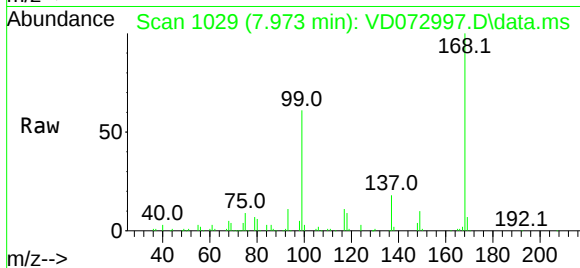
Acq: 13 May 2022 18:51

Instrument :

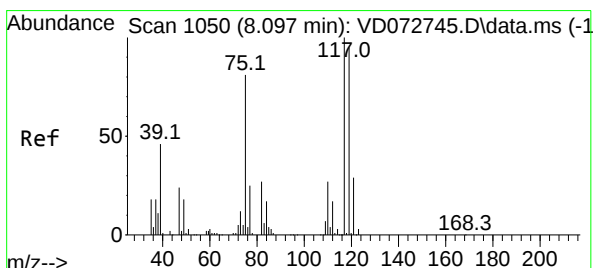
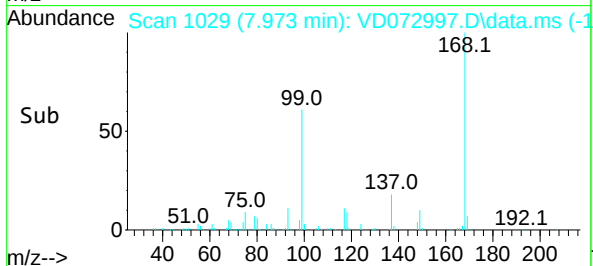
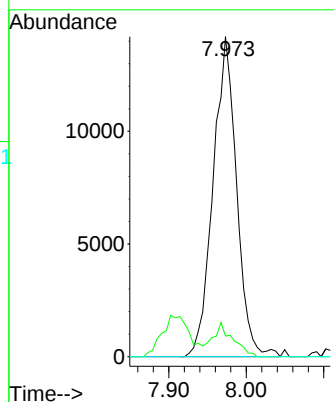
MSVOA_D

ClientSampleId :

P007-SS002-0006-01



Tgt Ion:	75	Resp:	29920
Ion Ratio	Lower	Upper	
75	100		
110	9.2	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.163 ug/l

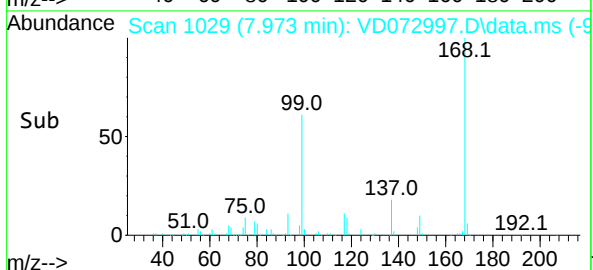
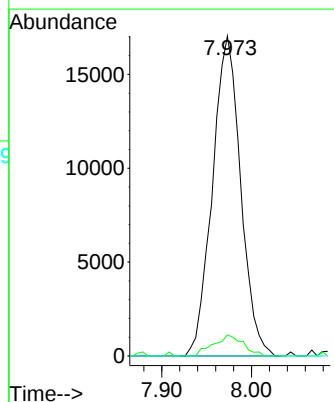
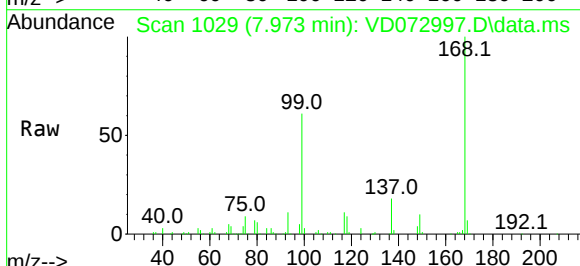
RT: 7.973 min Scan# 1029

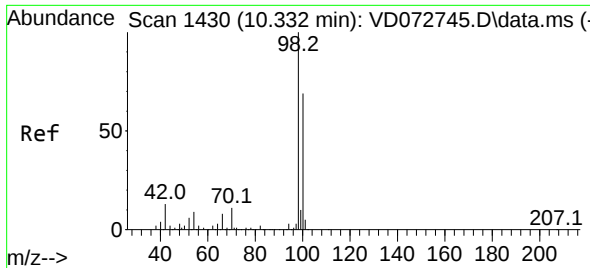
Delta R.T. -0.124 min

Lab File: VD072997.D

Acq: 13 May 2022 18:51

Tgt Ion:	117	Resp:	37208
Ion Ratio	Lower	Upper	
117	100		
119	6.6	75.8	113.6#
121	0.0	24.5	36.7#

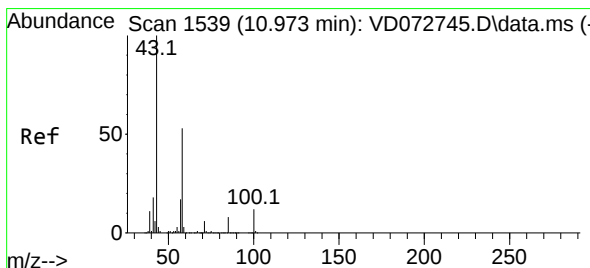
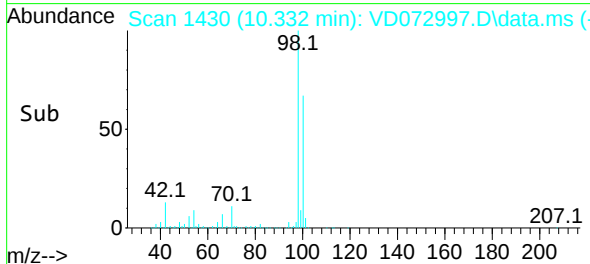
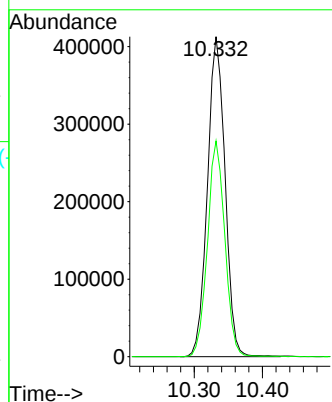
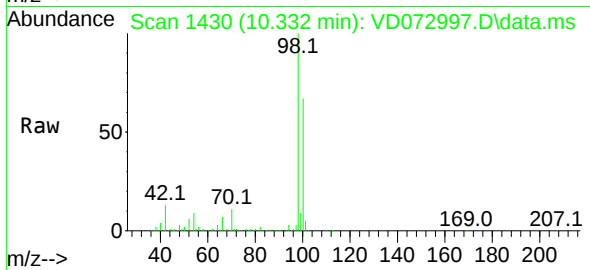




#50
Toluene-d8
Concen: 48.438 ug/l
RT: 10.332 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD072997.D
Acq: 13 May 2022 18:51

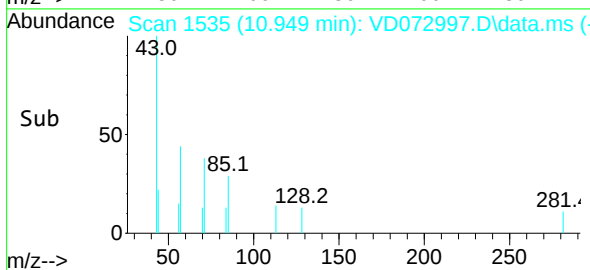
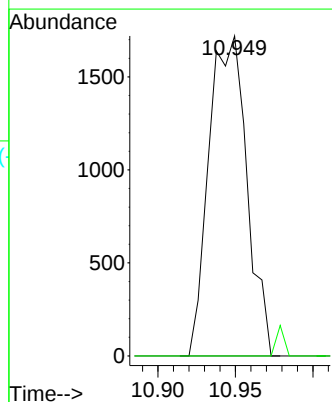
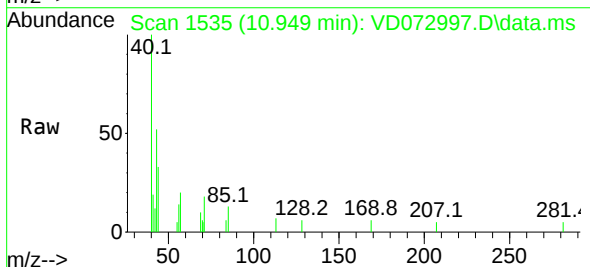
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0006-01

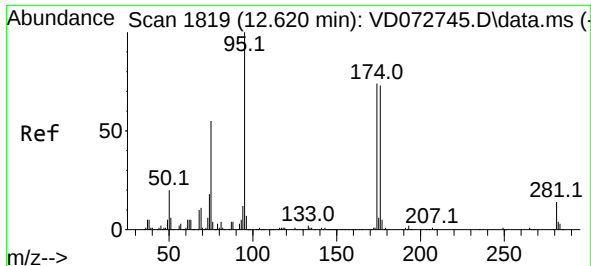
Tgt Ion: 98 Resp: 741789
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6



#59
2-Hexanone
Concen: 1.423 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.024 min
Lab File: VD072997.D
Acq: 13 May 2022 18:51

Tgt Ion: 43 Resp: 2930
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

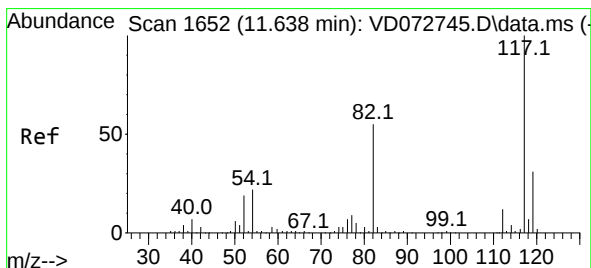
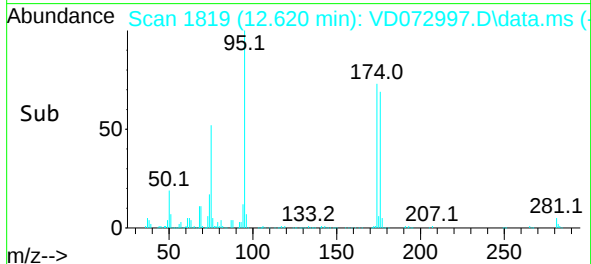
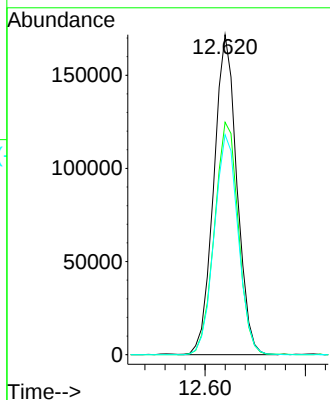
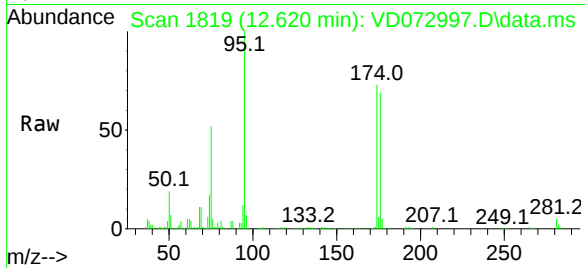




#62
4-Bromofluorobenzene
Concen: 48.061 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072997.D
Acq: 13 May 2022 18:51

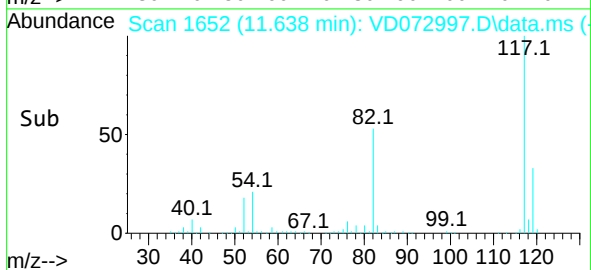
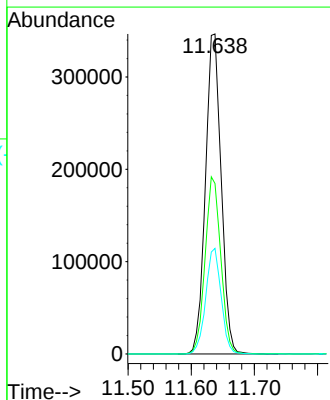
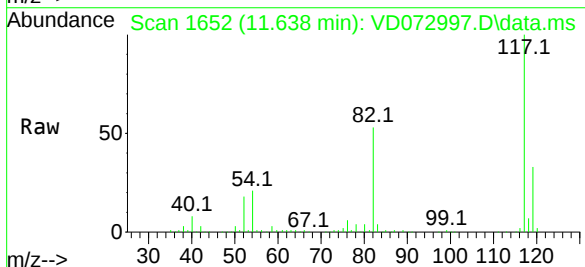
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-0006-01

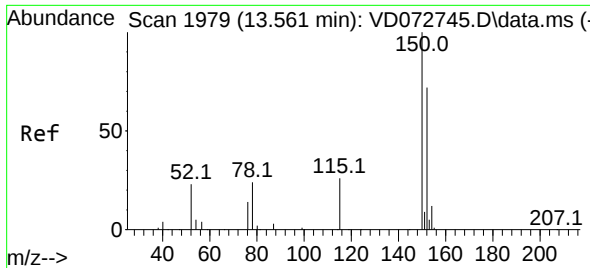
Tgt Ion: 95 Resp: 274440
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.8
176 71.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072997.D
Acq: 13 May 2022 18:51

Tgt Ion: 117 Resp: 600530
Ion Ratio Lower Upper
117 100
82 53.3 45.3 67.9
119 33.0 26.6 40.0

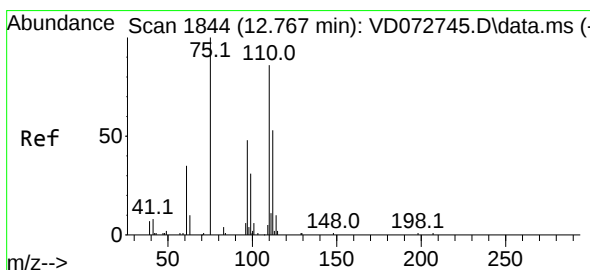
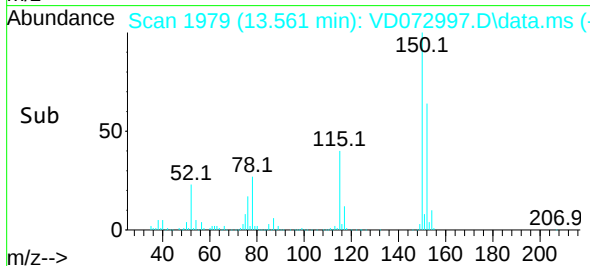
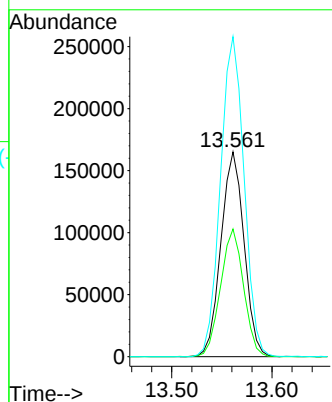
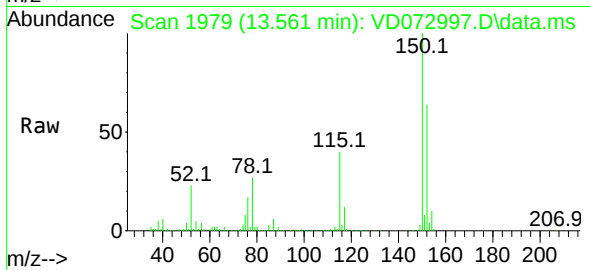




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD072997.D
 Acq: 13 May 2022 18:51

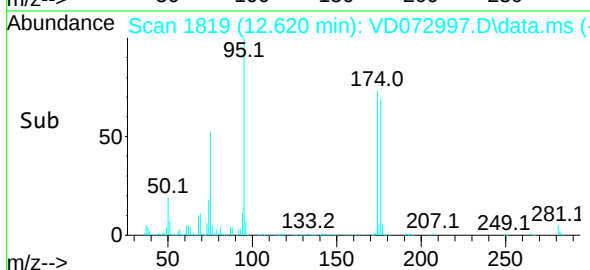
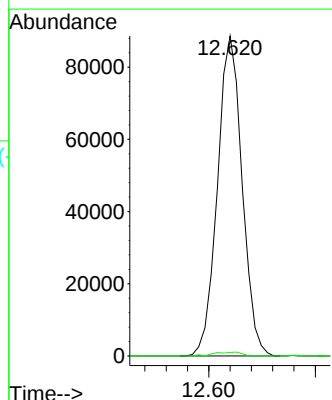
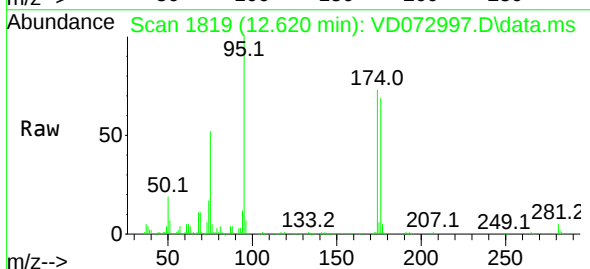
Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS002-0006-01

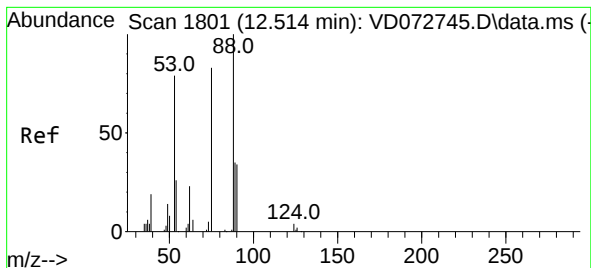
Tgt Ion:152 Resp: 264760
 Ion Ratio Lower Upper
 152 100
 115 62.0 31.3 93.8
 150 159.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 48.218 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072997.D
 Acq: 13 May 2022 18:51

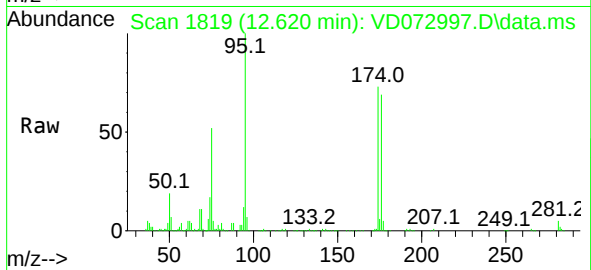
Tgt Ion: 75 Resp: 142350
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.881 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072997.D
 Acq: 13 May 2022 18:51

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS002-0006-01



Tgt Ion: 75 Resp: 142350
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.0 33.9 50.9#

