

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD072996.D
 Acq On : 13 May 2022 18:22
 Operator : VA/SY
 Sample : N2816-04
 Misc : 6.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS002-1824-02

Quant Time: May 16 05:15:49 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)

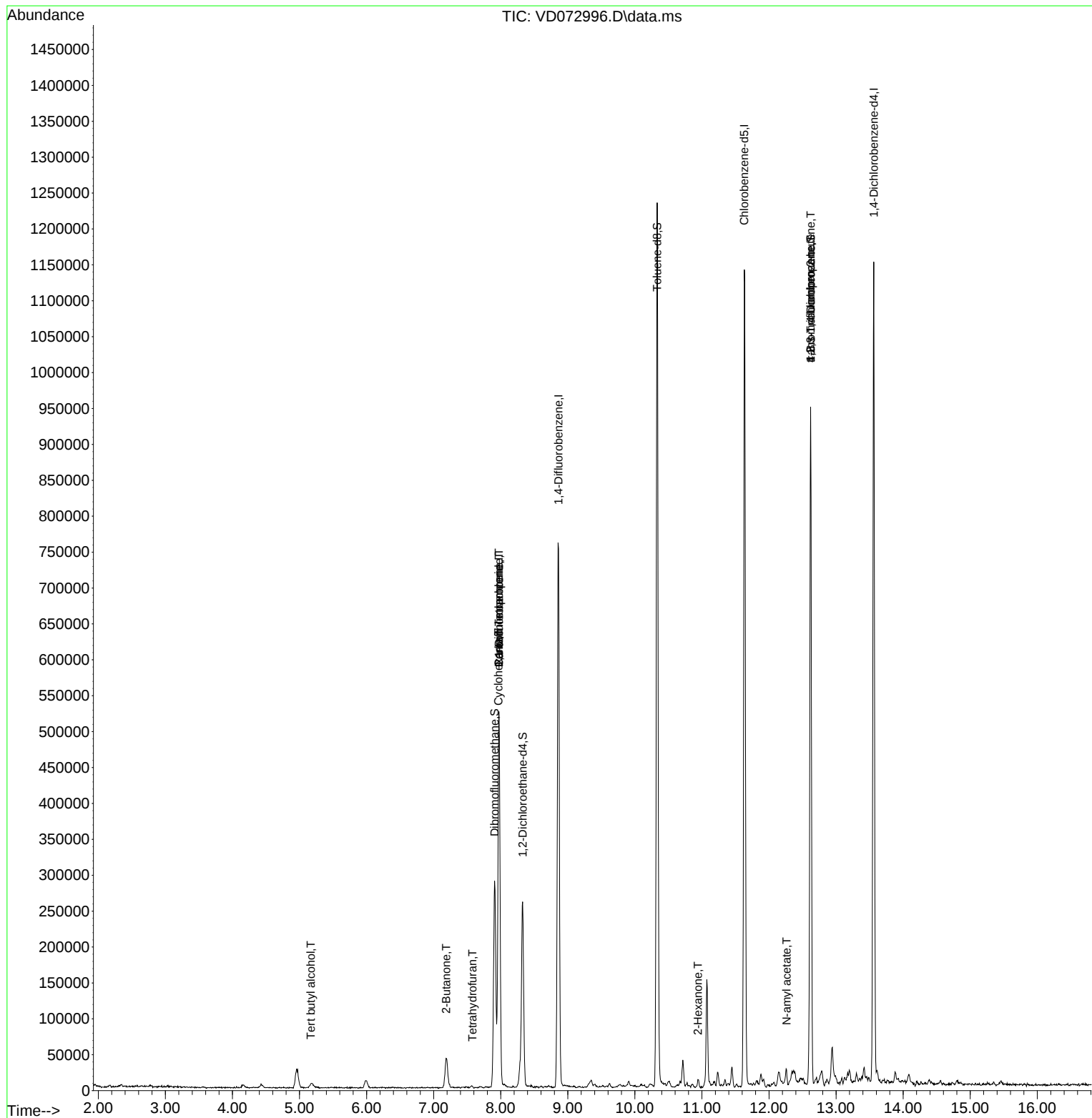
Internal Standards						
1) Pentafluorobenzene	7.973	168	366488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	657246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	659806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	294056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	201678	42.393	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.780%
35) Dibromofluoromethane	7.909	113	211009	45.713	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.420%
50) Toluene-d8	10.332	98	801094	48.382	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.760%
62) 4-Bromofluorobenzene	12.620	95	305170	49.429	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.860%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	805	Below Cal		96
11) Tert butyl alcohol	5.167	59	6975	16.946 ug/l	#	74
16) Acetone	4.156	43	8345	Below Cal		93
18) Methyl Acetate	4.685	43	67	Below Cal	#	55
20) Methylene Chloride	4.956	84	19318	Below Cal	#	89
25) 2-Butanone	7.185	43	2986	2.154 ug/l	#	52
29) Tetrahydrofuran	7.579	42	1154	1.306 ug/l	#	83
31) Cyclohexane	7.967	56	9491	1.141 ug/l	#	5
36) 1,1-Dichloropropene	7.973	75	33209	4.425 ug/l	#	51
38) Carbon Tetrachloride	7.973	117	40415	5.187 ug/l	#	18
59) 2-Hexanone	10.938	43	4329	1.944 ug/l	#	27
74) N-amyl acetate	12.261	43	5927	1.040 ug/l	#	57
76) 1,2,3-Trichloropropane	12.620	75	156773	47.812 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	156773	109.949 ug/l	#	7

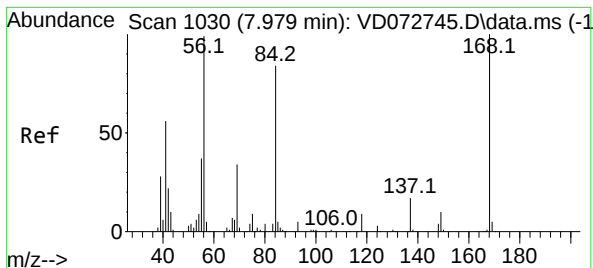
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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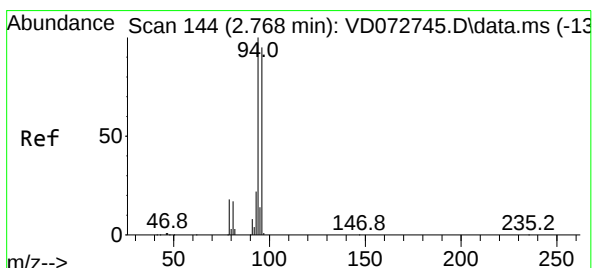
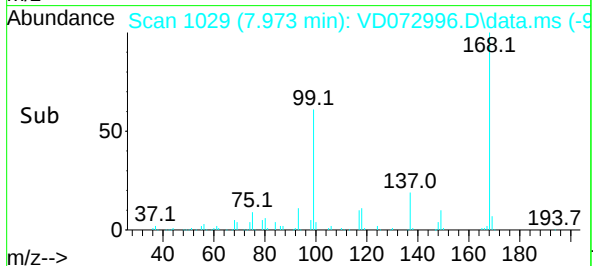
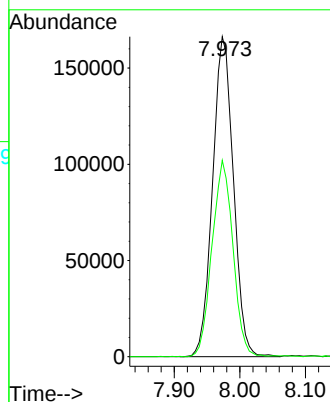
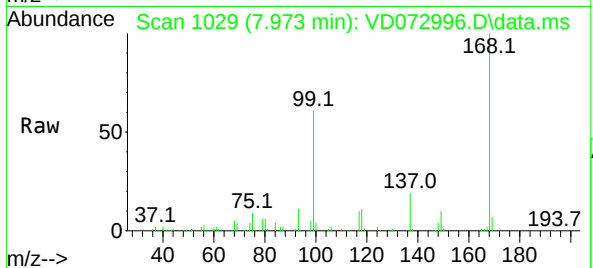




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072996.D
Acq: 13 May 2022 18:22

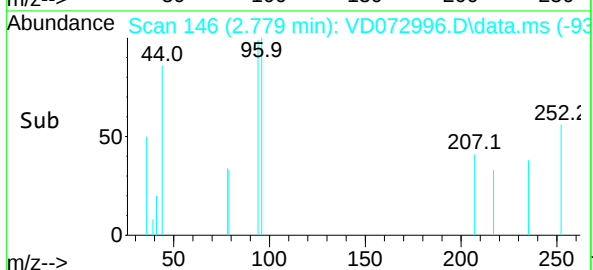
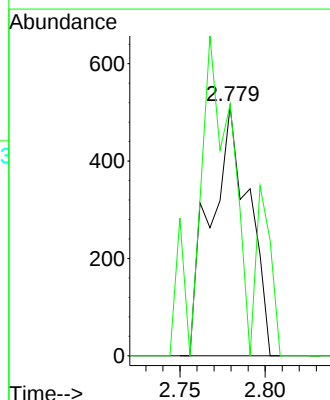
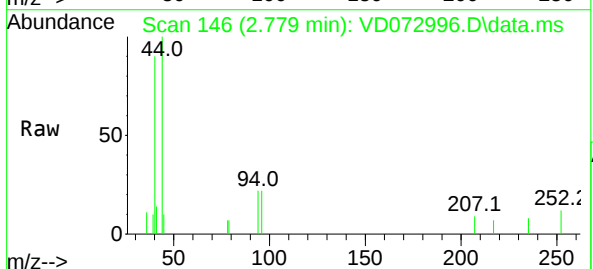
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-1824-02

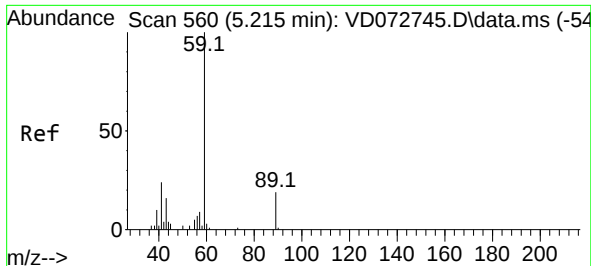
Tgt Ion:168 Resp: 366488
Ion Ratio Lower Upper
168 100
99 61.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072996.D
Acq: 13 May 2022 18:22

Tgt Ion: 94 Resp: 805
Ion Ratio Lower Upper
94 100
96 100.6 77.6 116.4





#11

Tert butyl alcohol

Concen: 16.946 ug/l

RT: 5.167 min Scan# 51

Delta R.T. -0.048 min

Lab File: VD072996.D

Acq: 13 May 2022 18:22

Instrument :

MSVOA_D

ClientSampleId :

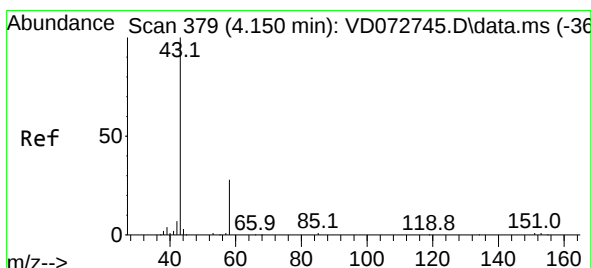
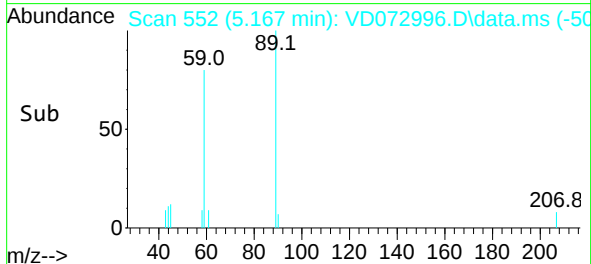
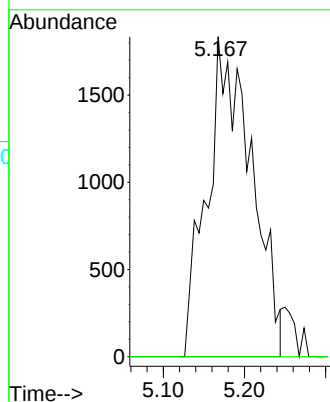
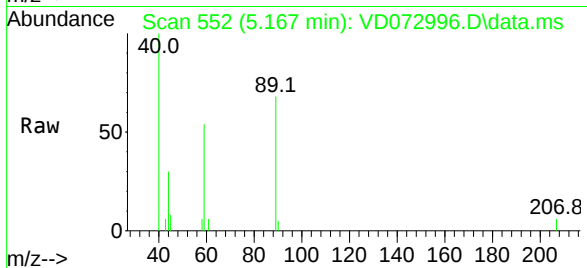
P007-SS002-1824-02

Tgt Ion: 59 Resp: 6975

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD072996.D

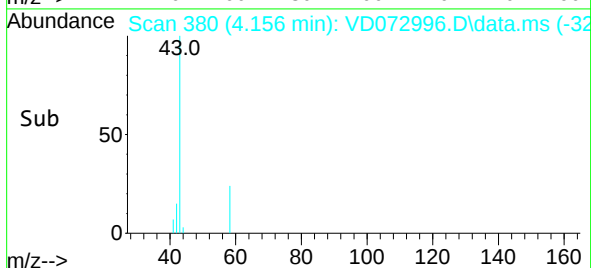
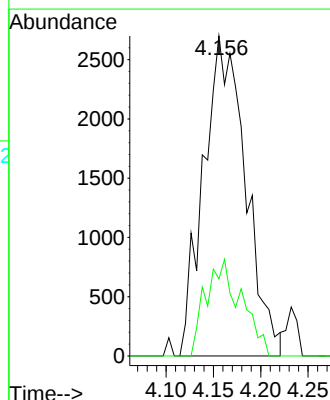
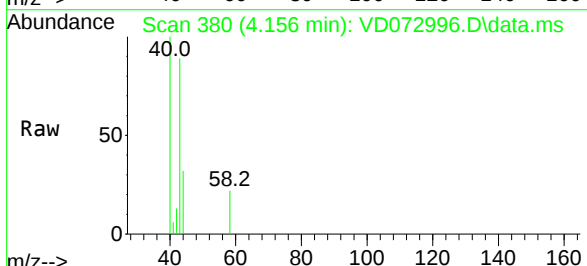
Acq: 13 May 2022 18:22

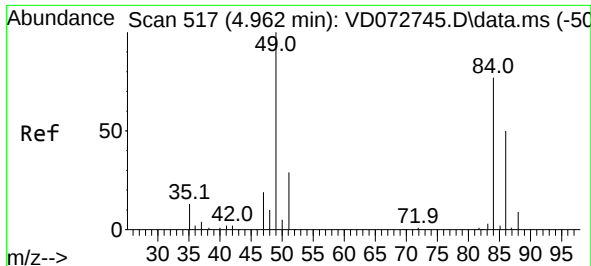
Tgt Ion: 43 Resp: 8345

Ion Ratio Lower Upper

43 100

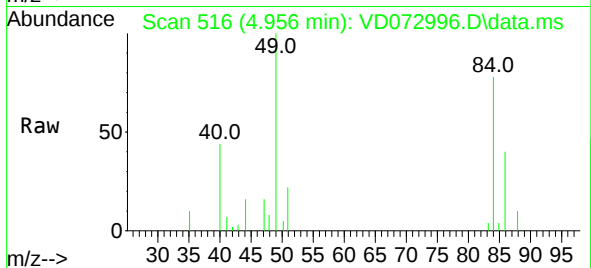
58 24.1 22.1 33.1



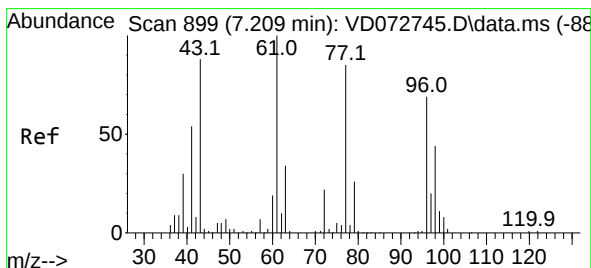
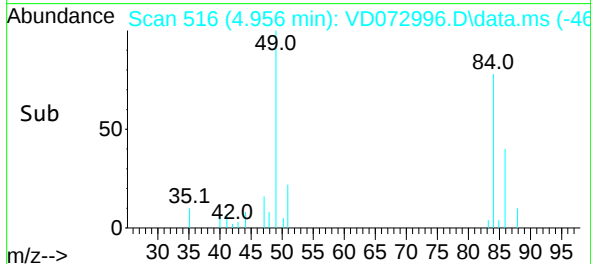
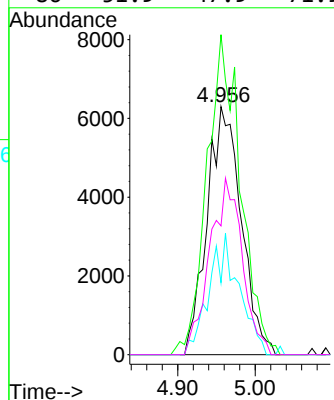


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072996.D
Acq: 13 May 2022 18:22

Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-1824-02

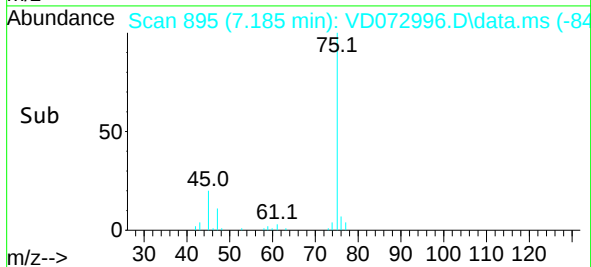
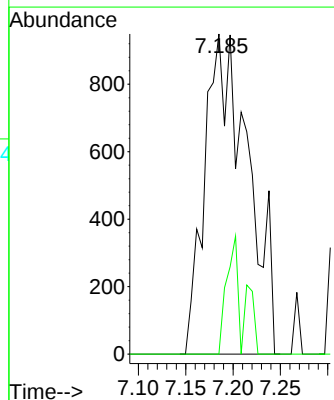
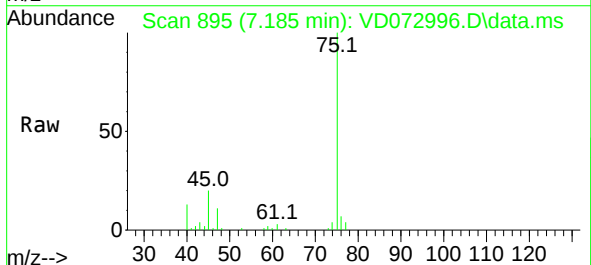


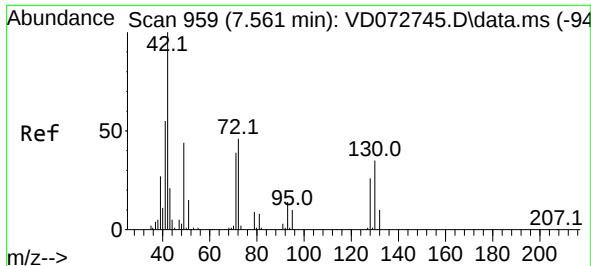
Tgt Ion: 84	Resp: 19318
Ion Ratio	Lower Upper
84	100
49	129.0 112.8 169.2
51	29.0 32.6 48.8#
86	51.9 47.9 71.9



#25
2-Butanone
Concen: 2.154 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD072996.D
Acq: 13 May 2022 18:22

Tgt Ion: 43	Resp: 2986
Ion Ratio	Lower Upper
43	100
72	0.0 18.6 27.8#





#29

Tetrahydrofuran

Concen: 1.306 ug/l

RT: 7.579 min Scan# 9

Delta R.T. 0.018 min

Lab File: VD072996.D

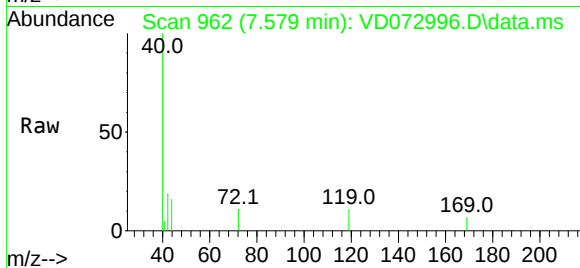
Acq: 13 May 2022 18:22

Instrument :

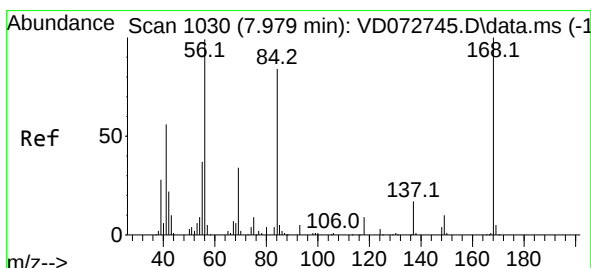
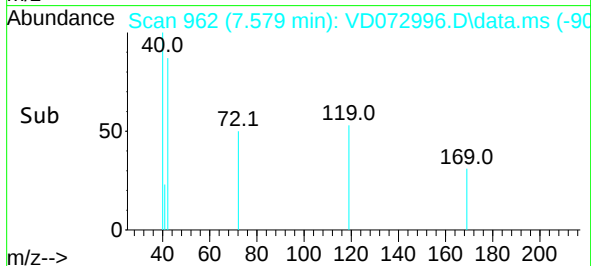
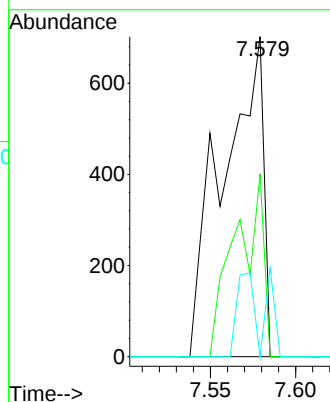
MSVOA_D

ClientSampleId :

P007-SS002-1824-02



Tgt Ion: 42	Resp: 1154
Ion Ratio	Lower Upper
42	100
72	39.7 30.7 46.1
71	17.1 28.6 43.0



#31

Cyclohexane

Concen: 1.141 ug/l

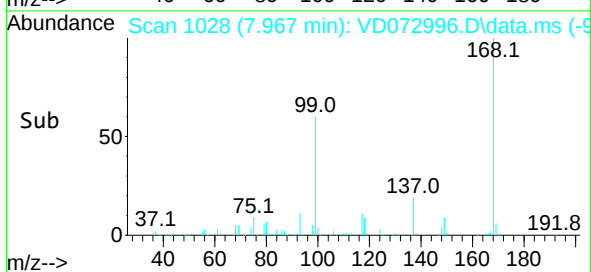
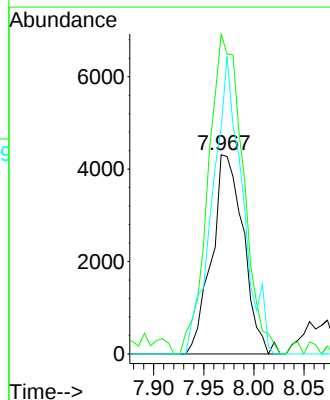
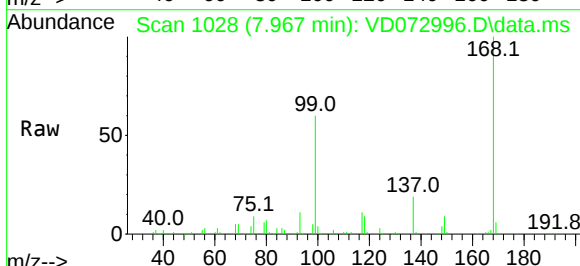
RT: 7.967 min Scan# 1028

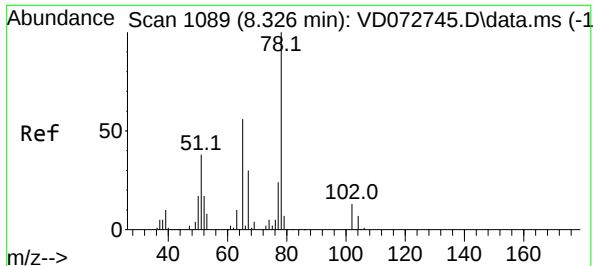
Delta R.T. -0.012 min

Lab File: VD072996.D

Acq: 13 May 2022 18:22

Tgt Ion: 56	Resp: 9491
Ion Ratio	Lower Upper
56	100
69	160.7 25.4 38.2
84	113.5 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 42.393 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072996.D

Acq: 13 May 2022 18:22

Instrument :

MSVOA_D

ClientSampleId :

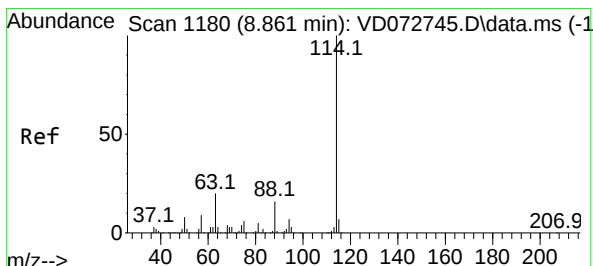
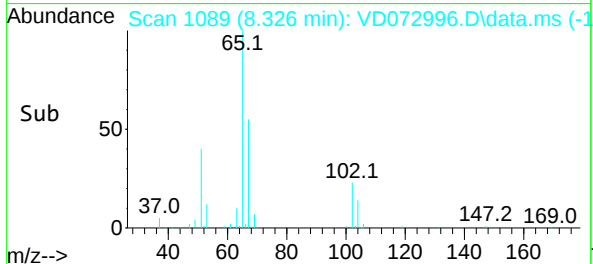
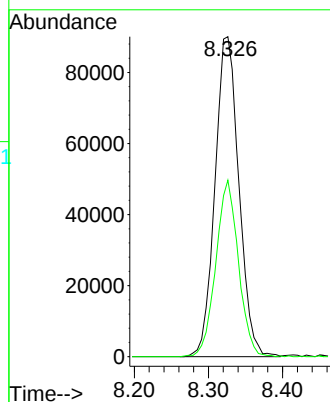
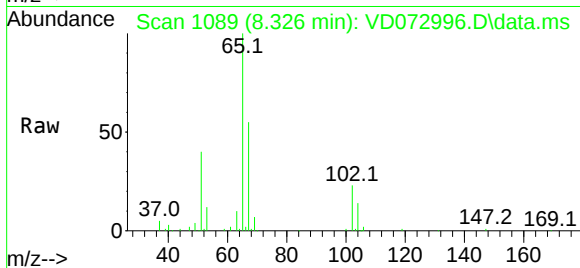
P007-SS002-1824-02

Tgt Ion: 65 Resp: 201678

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072996.D

Acq: 13 May 2022 18:22

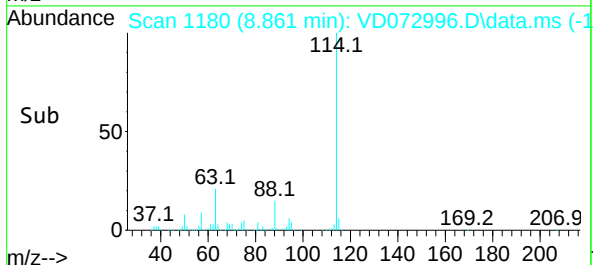
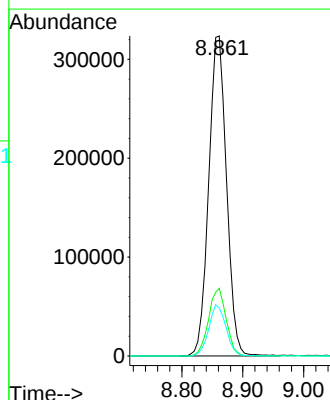
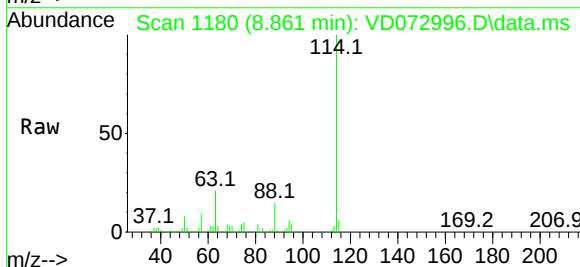
Tgt Ion: 114 Resp: 657246

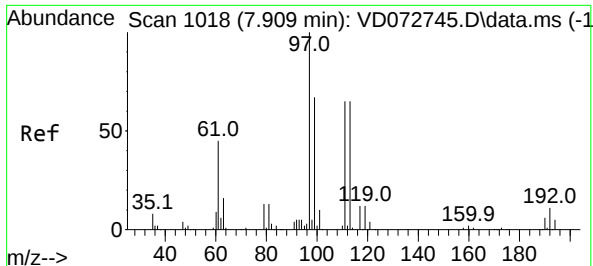
Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 15.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.713 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072996.D

Acq: 13 May 2022 18:22

Instrument :

MSVOA_D

ClientSampleId :

P007-SS002-1824-02

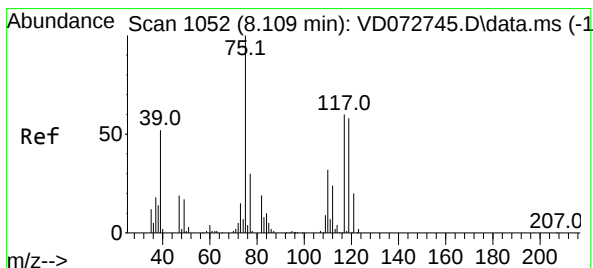
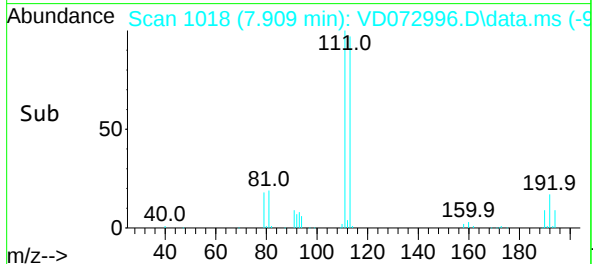
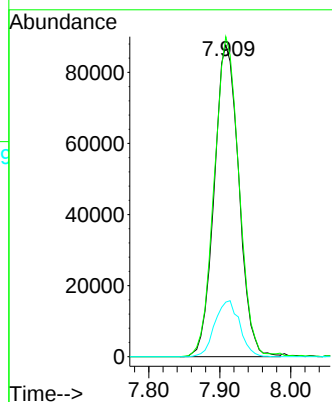
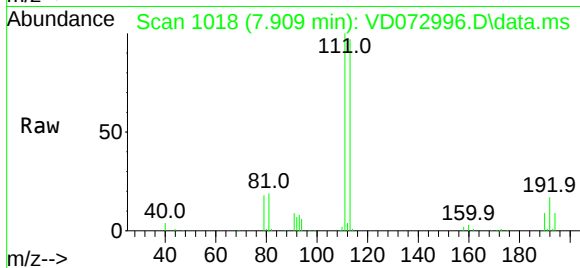
Tgt Ion:113 Resp: 211009

Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 18.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.425 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072996.D

Acq: 13 May 2022 18:22

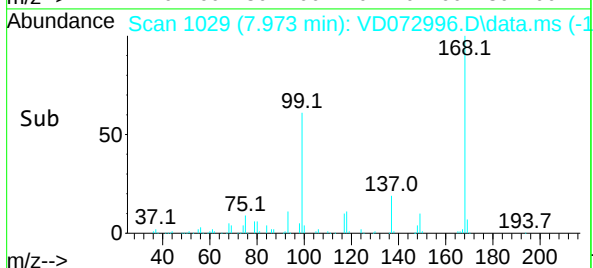
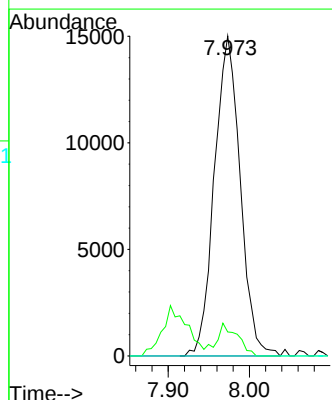
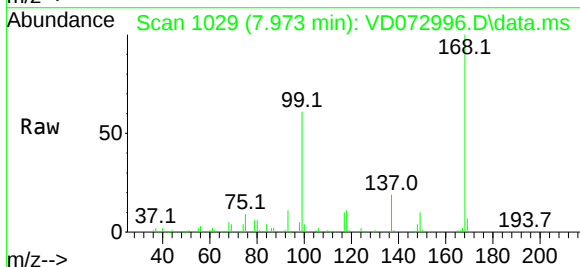
Tgt Ion: 75 Resp: 33209

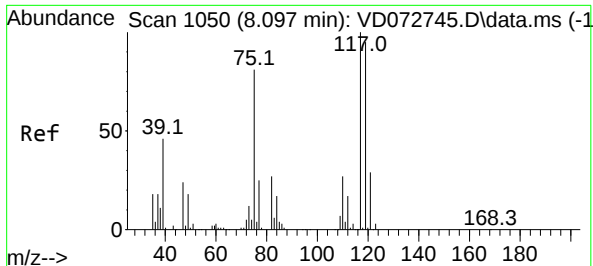
Ion Ratio Lower Upper

75 100

110 8.2 16.4 49.1#

77 0.0 24.2 36.2#

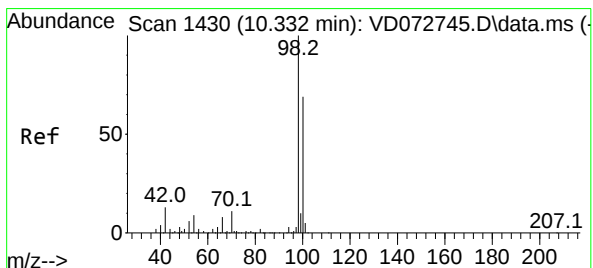
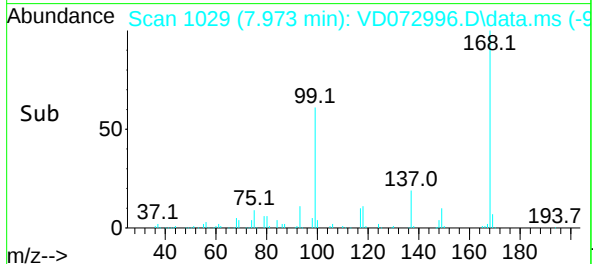
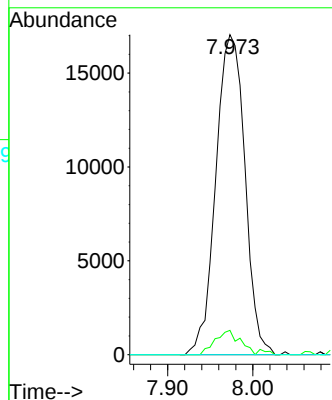
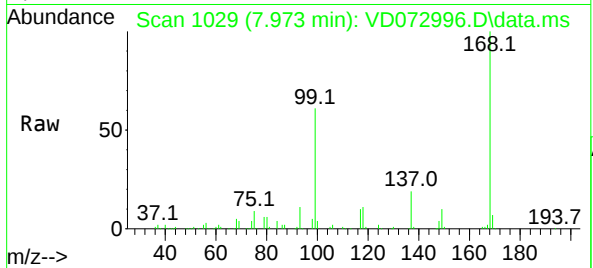




#38
Carbon Tetrachloride
Concen: 5.187 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD072996.D
Acq: 13 May 2022 18:22

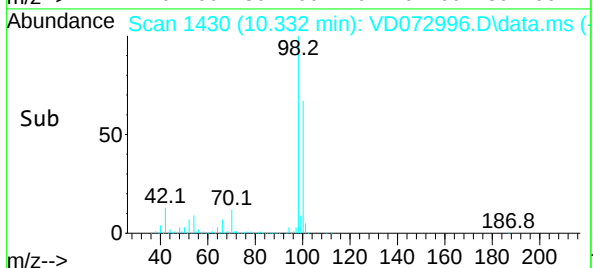
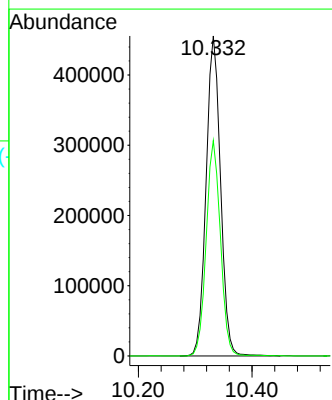
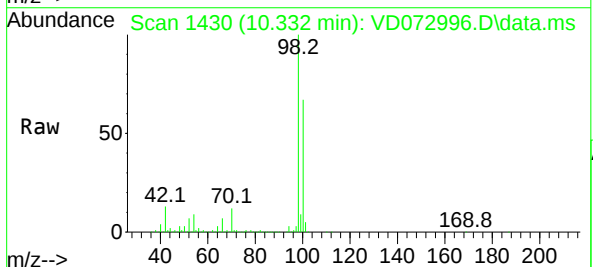
Instrument :
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ClientSampleId :
P007-SS002-1824-02

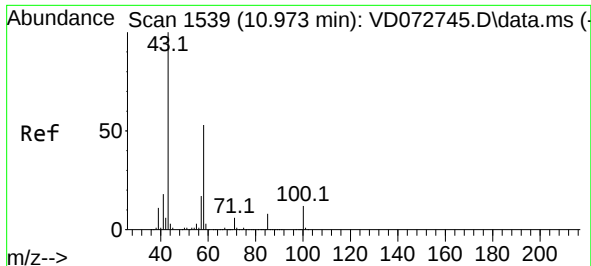
Tgt Ion:117 Resp: 40415
Ion Ratio Lower Upper
117 100
119 7.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.382 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072996.D
Acq: 13 May 2022 18:22

Tgt Ion: 98 Resp: 801094
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6

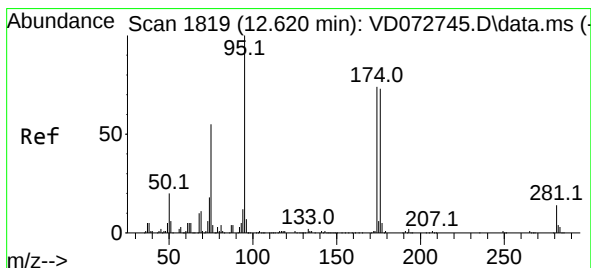
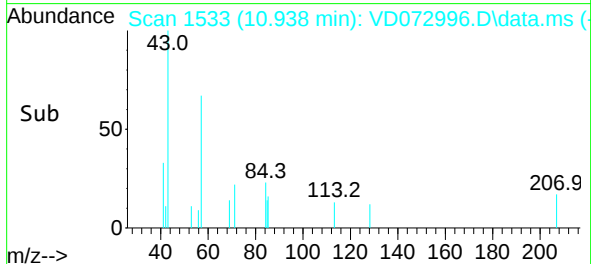
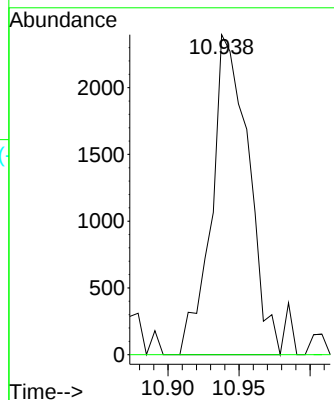
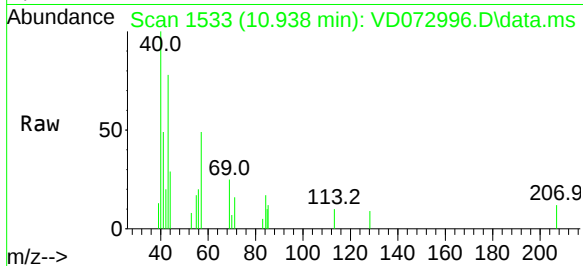




#59
2-Hexanone
Concen: 1.944 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.035 min
Lab File: VD072996.D
Acq: 13 May 2022 18:22

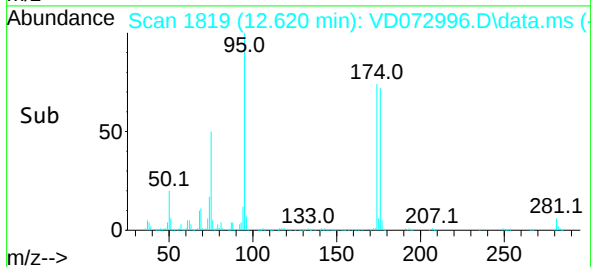
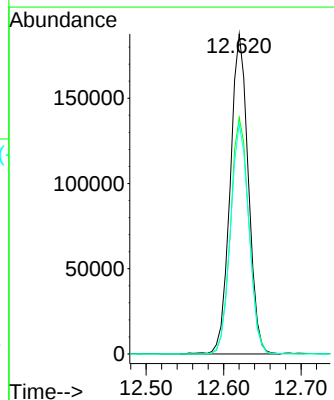
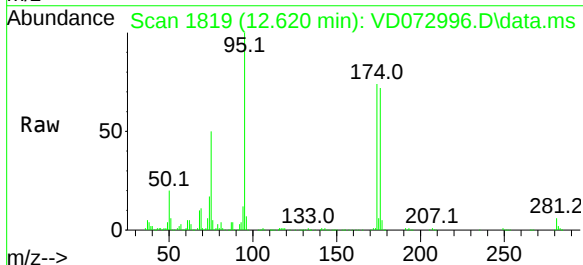
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-1824-02

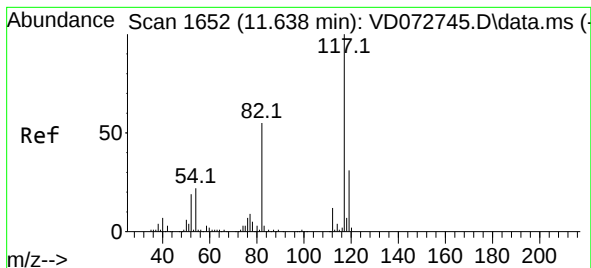
Tgt Ion: 43 Resp: 4329
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 49.429 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072996.D
Acq: 13 May 2022 18:22

Tgt Ion: 95 Resp: 305170
Ion Ratio Lower Upper
95 100
174 74.9 0.0 152.8
176 72.6 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD072996.D

Acq: 13 May 2022 18:22

Instrument :

MSVOA_D

ClientSampleId :

P007-SS002-1824-02

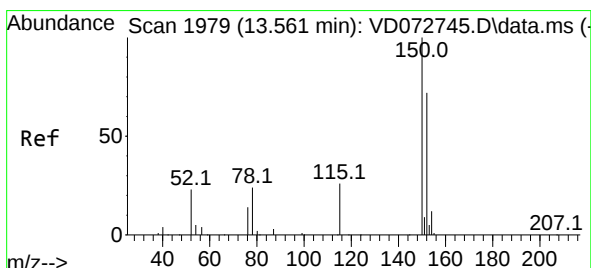
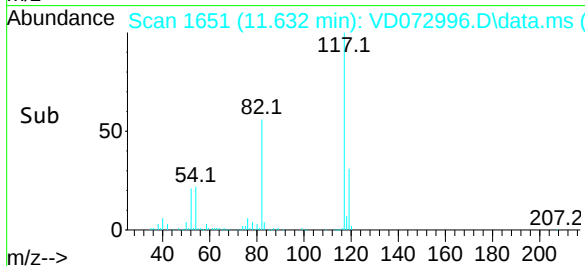
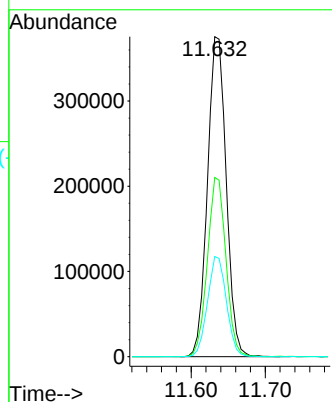
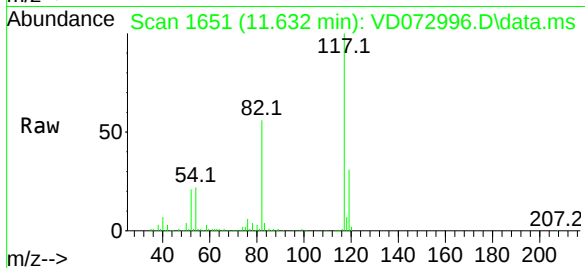
Tgt Ion:117 Resp: 659806

Ion Ratio Lower Upper

117 100

82 55.9 45.3 67.9

119 31.3 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: VD072996.D

Acq: 13 May 2022 18:22

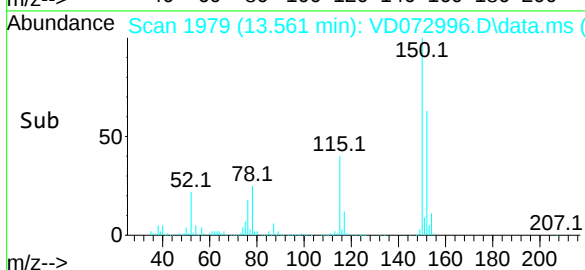
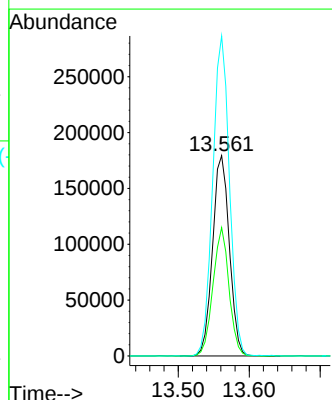
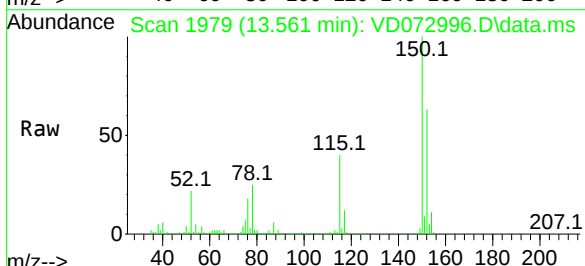
Tgt Ion:152 Resp: 294056

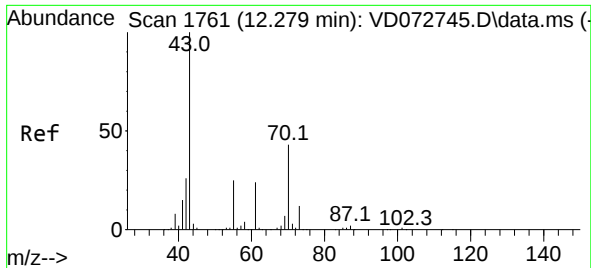
Ion Ratio Lower Upper

152 100

115 61.1 31.3 93.8

150 158.9 0.0 348.6

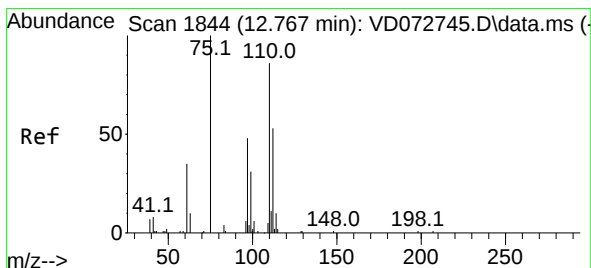
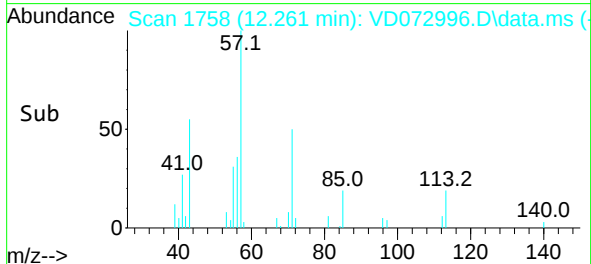
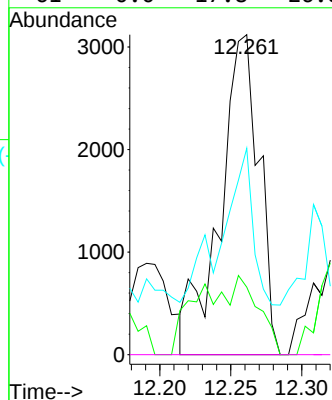
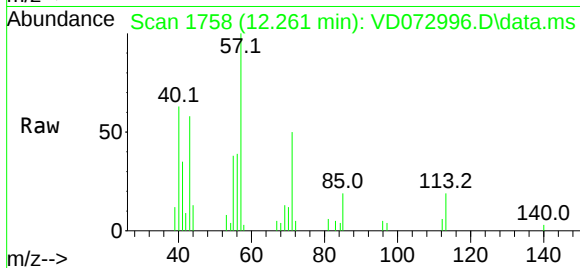




#74
N-amy1 acetate
Concen: 1.040 ug/l
RT: 12.261 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD072996.D
Acq: 13 May 2022 18:22

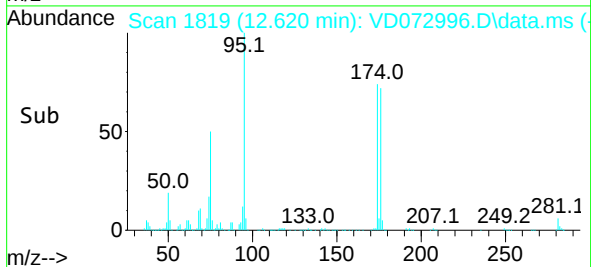
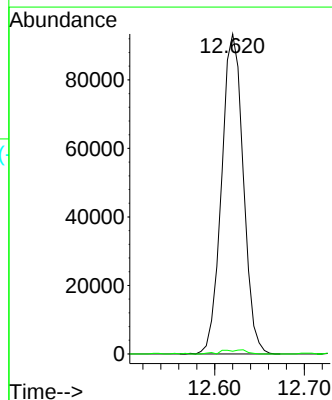
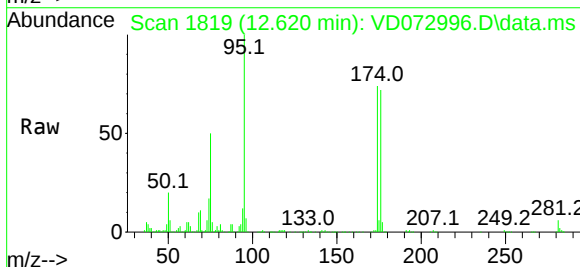
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-1824-02

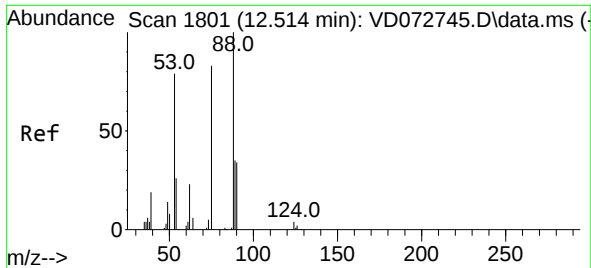
Tgt Ion: 43	Resp: 5927
Ion Ratio	Lower Upper
43 100	
70 0.0	31.3 46.9#
55 29.3	20.0 30.0
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 47.812 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072996.D
Acq: 13 May 2022 18:22

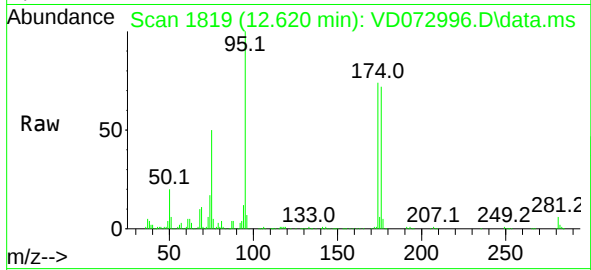
Tgt Ion: 75	Resp: 156773
Ion Ratio	Lower Upper
75 100	
77 0.8	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.949 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072996.D
 Acq: 13 May 2022 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS002-1824-02



Tgt Ion: 75 Resp: 156773
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.2 33.9 50.9#

