

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
 Data File : VD073497.D
 Acq On : 07 Jun 2022 14:07
 Operator : VA/SY
 Sample : N3168-01
 Misc : 7.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HELENS-0602

Quant Time: Jun 07 16:33:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

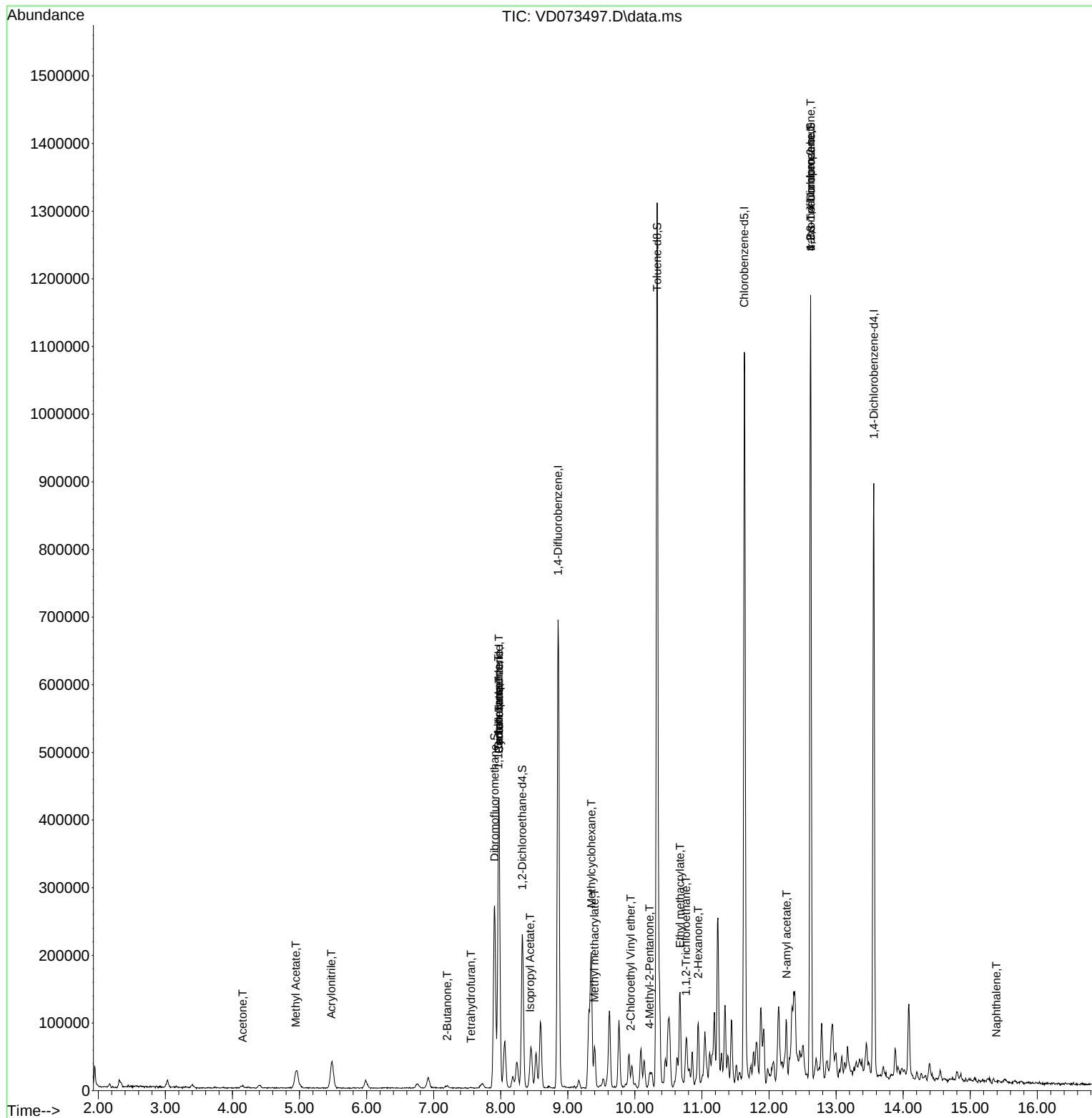
Internal Standards						
1) Pentafluorobenzene	7.973	168	312550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	619038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	643748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	243760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	179824	52.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.120%	
35) Dibromofluoromethane	7.908	113	199924	48.943	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.880%	
50) Toluene-d8	10.332	98	777140	51.611	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	12.620	95	296796	56.165	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.340%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	723	Below Cal	#	40
13) Acrolein	4.115	56	136	Below Cal	#	65
15) Acrylonitrile	5.473	53	2028	2.827	ug/l #	40
16) Acetone	4.150	43	4442	7.425	ug/l	95
18) Methyl Acetate	4.944	43	11198	6.731	ug/l #	55
25) 2-Butanone	7.203	43	1990	2.273	ug/l #	52
29) Tetrahydrofuran	7.556	42	739	1.306	ug/l #	38
31) Cyclohexane	7.973	56	8965	1.485	ug/l #	4
36) 1,1-Dichloropropene	7.967	75	24248	3.947	ug/l #	51
38) Carbon Tetrachloride	7.973	117	31451	5.050	ug/l #	18
39) Methylcyclohexane	9.350	83	78172	11.418	ug/l #	88
43) Isopropyl Acetate	8.438	43	17617	3.928	ug/l #	54
48) Methyl methacrylate	9.397	41	11598	5.140	ug/l #	52
51) 4-Methyl-2-Pentanone	10.220	43	4615	1.981	ug/l #	51
55) 1,1,2-Trichloroethane	10.761	97	26717	8.068	ug/l #	20
56) Ethyl methacrylate	10.673	69	14339	3.894	ug/l #	34
58) 2-Chloroethyl Vinyl ether	9.938	63	60	21.652	ug/l #	48
59) 2-Hexanone	10.944	43	33871	22.053	ug/l #	33
74) N-amyl acetate	12.261	43	18364	4.844	ug/l #	85
76) 1,2,3-Trichloropropane	12.620	75	149583	62.542	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	149583	150.145	ug/l #	8
95) Naphthalene	15.390	128	1011	3.659	ug/l #	79

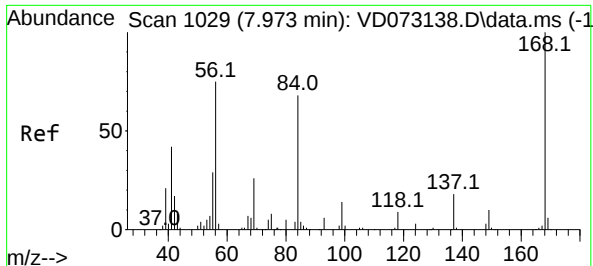
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
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Quant Time: Jun 07 16:33:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration

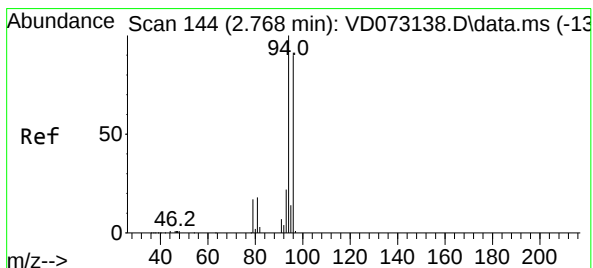
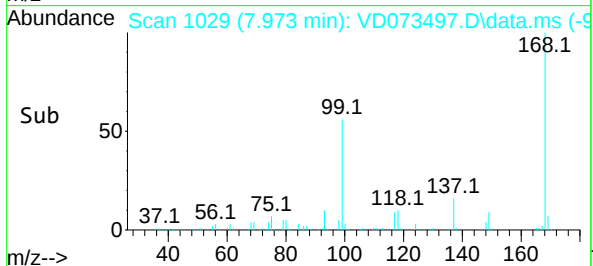
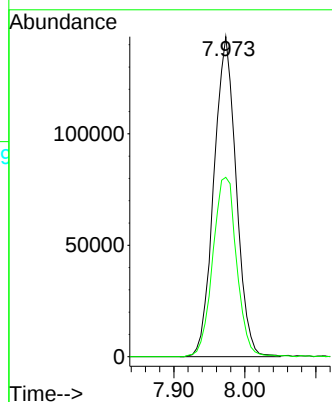
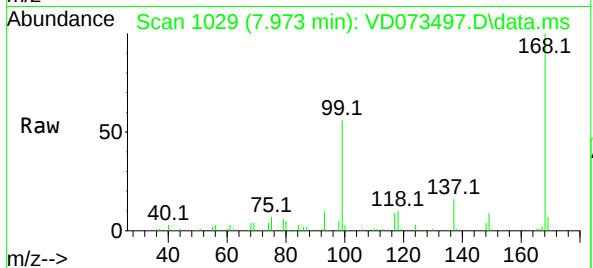




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

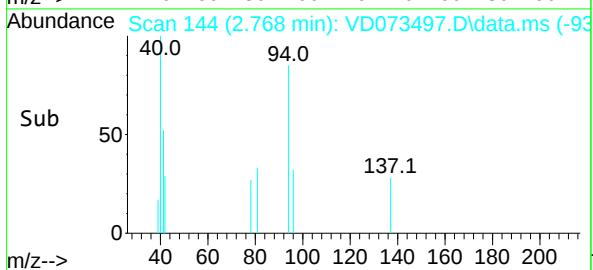
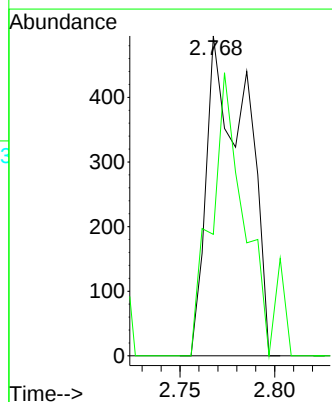
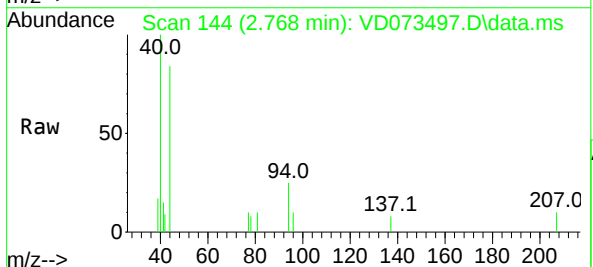
Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

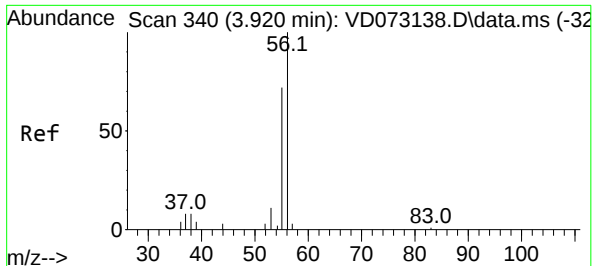
Tgt Ion:168 Resp: 312550
Ion Ratio Lower Upper
168 100
99 56.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion: 94 Resp: 723
Ion Ratio Lower Upper
94 100
96 38.0 77.6 116.4#

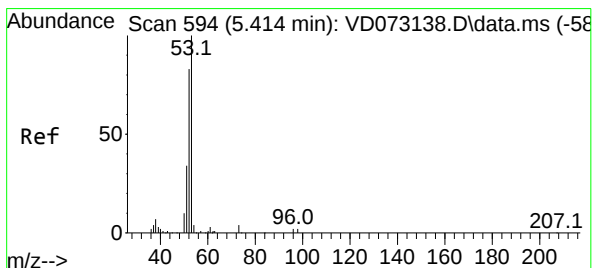
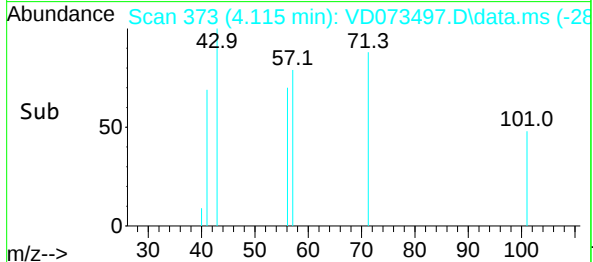
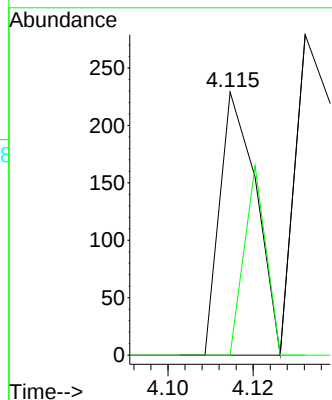
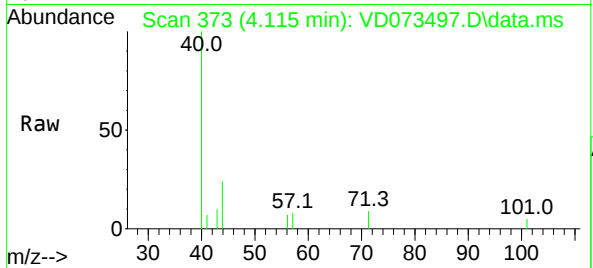




#13
Acrolein
Concen: Below Cal
RT: 4.115 min Scan# 31
Delta R.T. 0.195 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

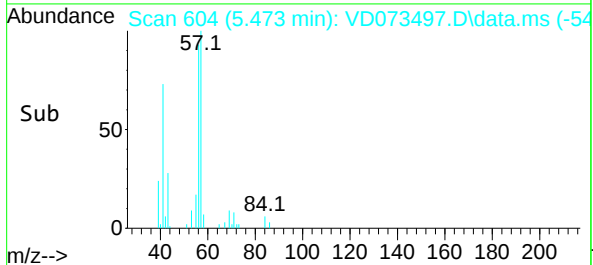
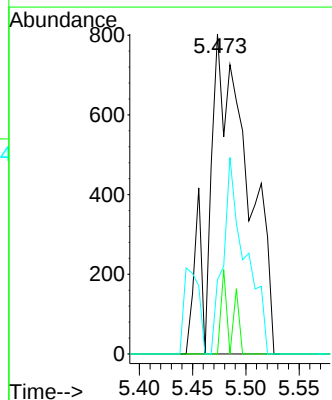
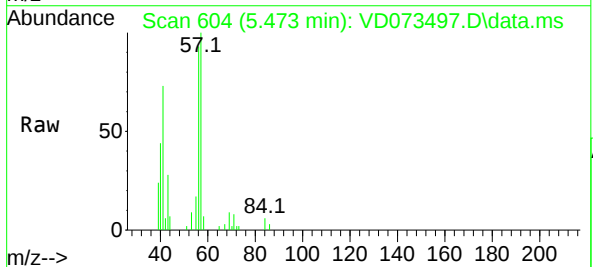
Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

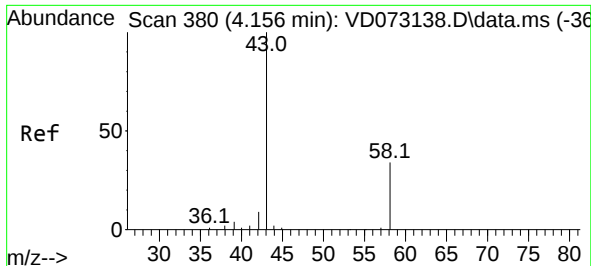
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 42.6 57.1 85.7#



#15
Acrylonitrile
Concen: 2.827 ug/l
RT: 5.473 min Scan# 604
Delta R.T. 0.059 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion: 53 Resp: 2028
Ion Ratio Lower Upper
53 100
52 6.6 67.2 100.8#
51 35.7 30.3 45.5

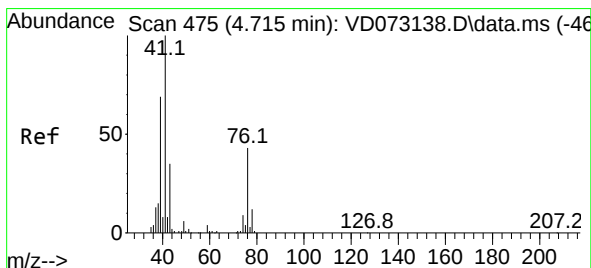
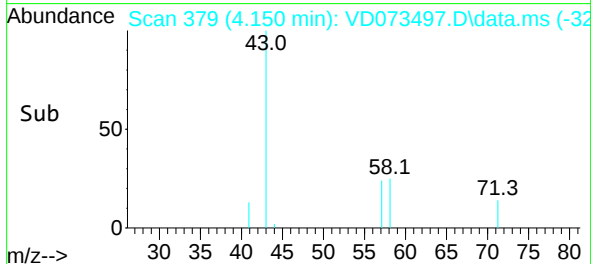
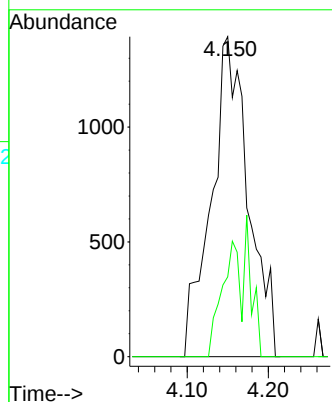
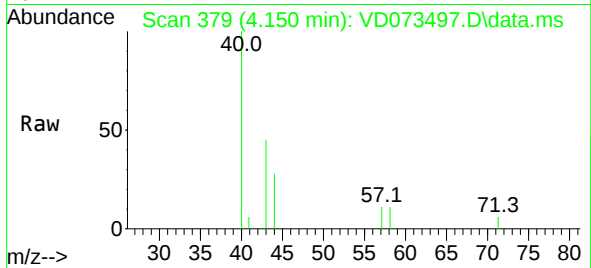




#16
Acetone
Concen: 7.425 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

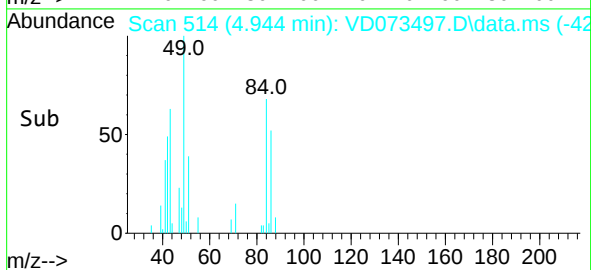
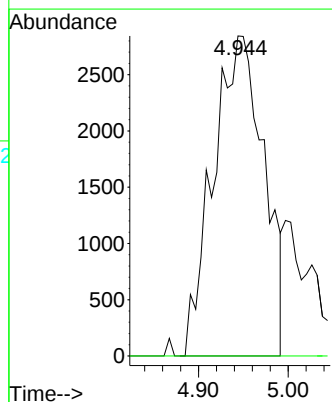
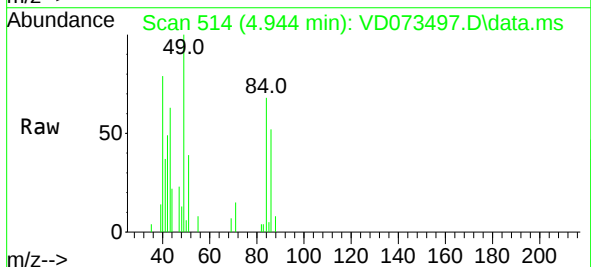
Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

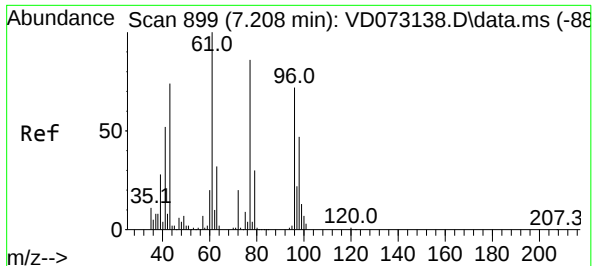
Tgt Ion: 43 Resp: 4442
Ion Ratio Lower Upper
43 100
58 25.0 22.1 33.1



#18
Methyl Acetate
Concen: 6.731 ug/l
RT: 4.944 min Scan# 514
Delta R.T. 0.229 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion: 43 Resp: 11198
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

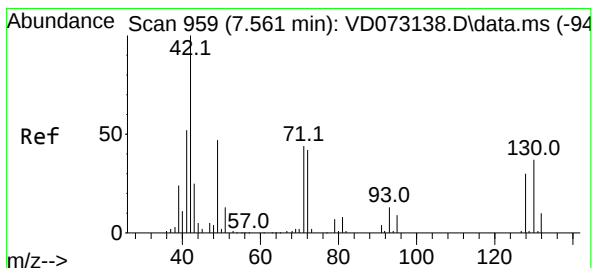
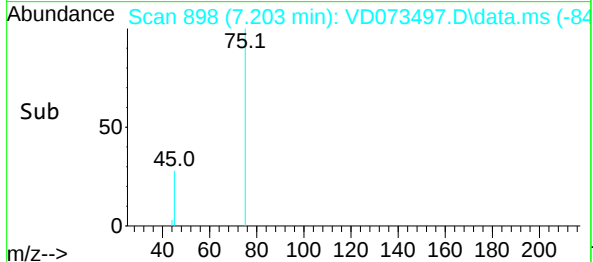
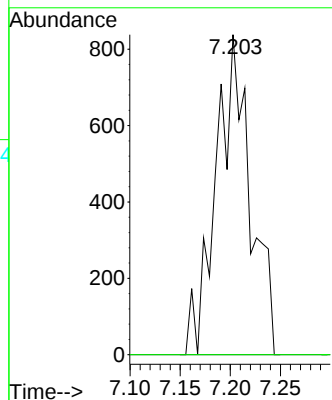
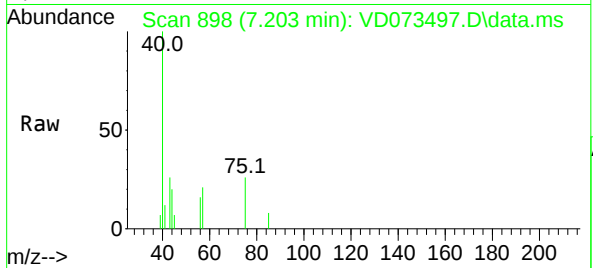




#25
2-Butanone
Concen: 2.273 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

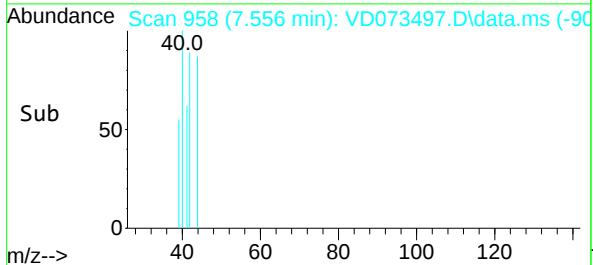
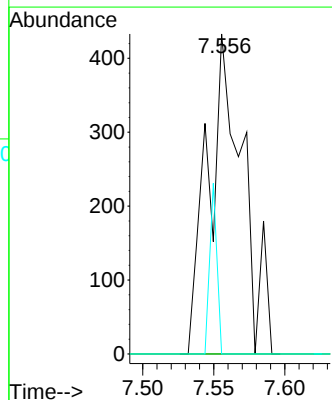
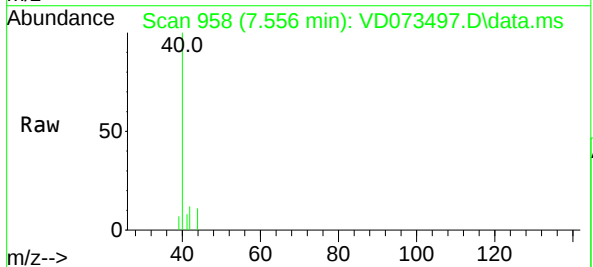
Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

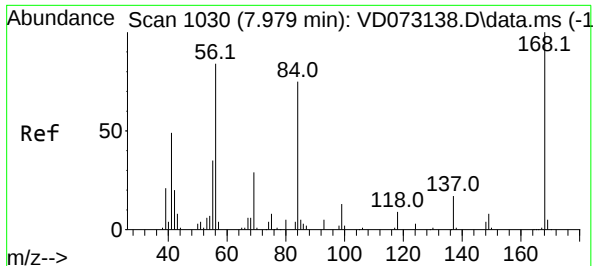
Tgt Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.306 ug/l
RT: 7.556 min Scan# 958
Delta R.T. -0.005 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion: 42 Resp: 739
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.485 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073497.D

Acq: 07 Jun 2022 14:07

Instrument :

MSVOA_D

ClientSampleId :

HELENS-0602

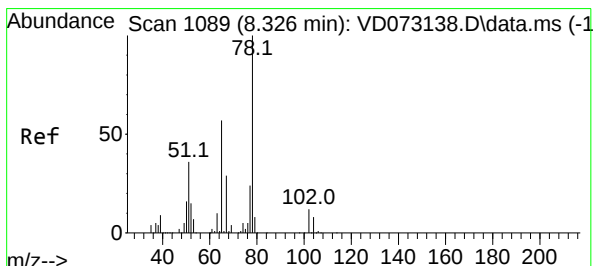
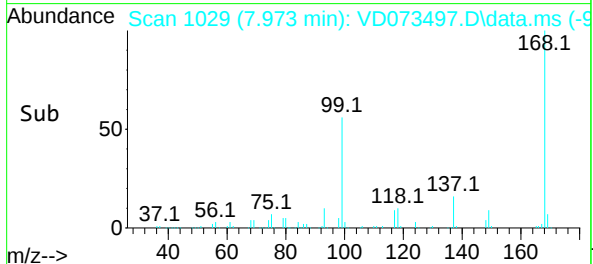
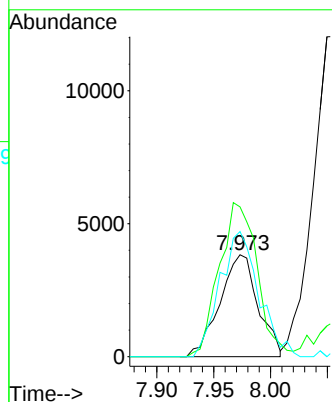
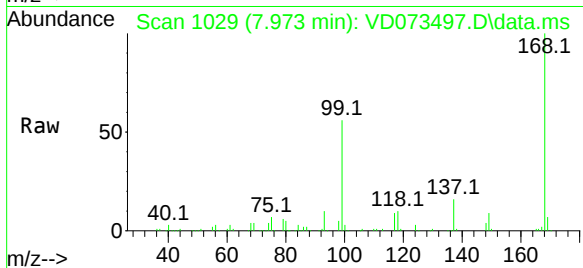
Tgt Ion: 56 Resp: 8965

Ion Ratio Lower Upper

56 100

69 146.9 25.4 38.2#

84 122.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 52.061 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073497.D

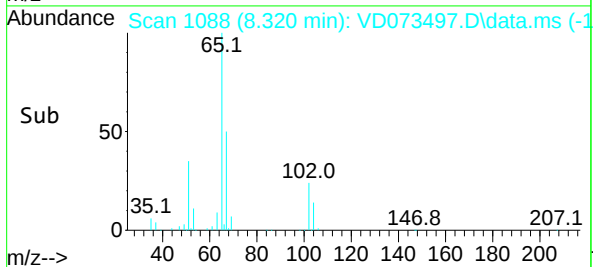
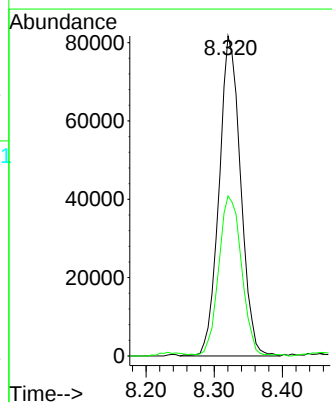
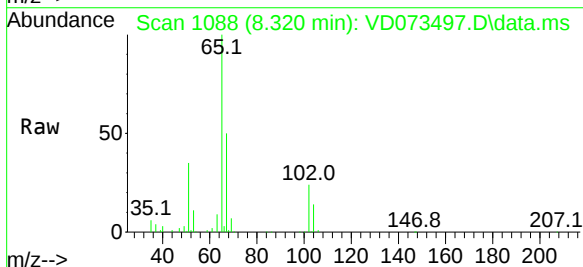
Acq: 07 Jun 2022 14:07

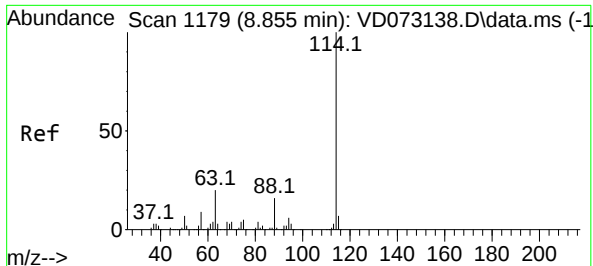
Tgt Ion: 65 Resp: 179824

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073497.D

Acq: 07 Jun 2022 14:07

Instrument :

MSVOA_D

ClientSampleId :

HELENS-0602

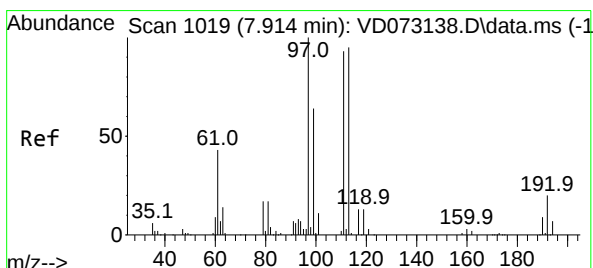
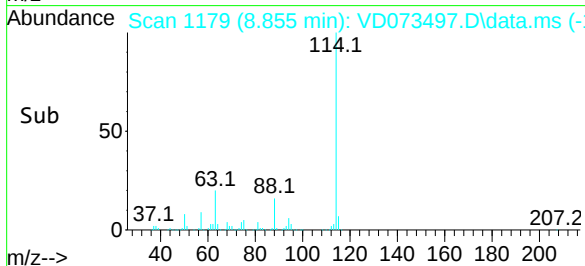
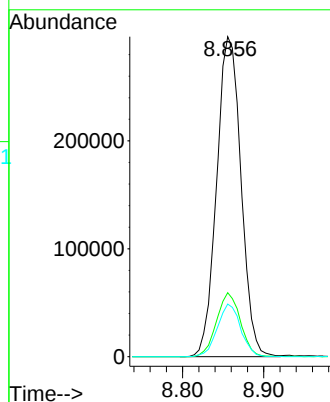
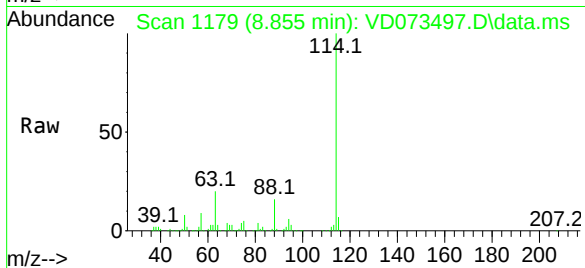
Tgt Ion:114 Resp: 619038

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 16.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.943 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073497.D

Acq: 07 Jun 2022 14:07

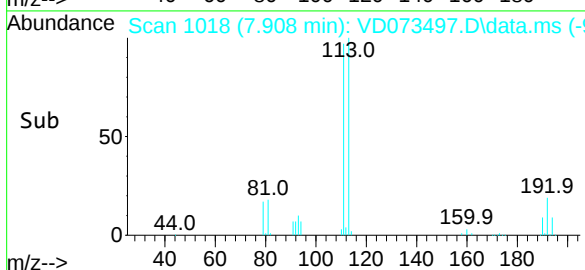
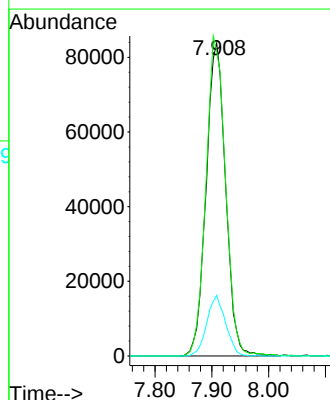
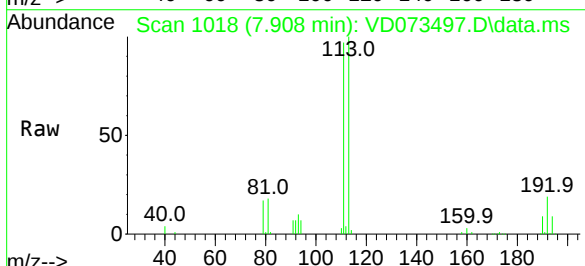
Tgt Ion:113 Resp: 199924

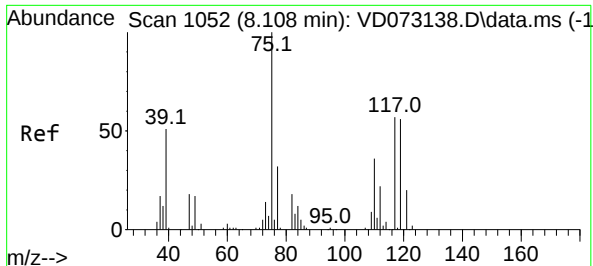
Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 3.947 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073497.D

Acq: 07 Jun 2022 14:07

Instrument :

MSVOA_D

ClientSampleId :

HELENS-0602

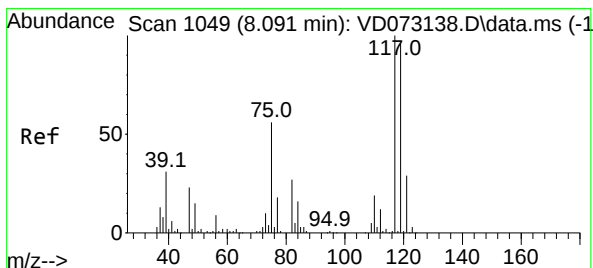
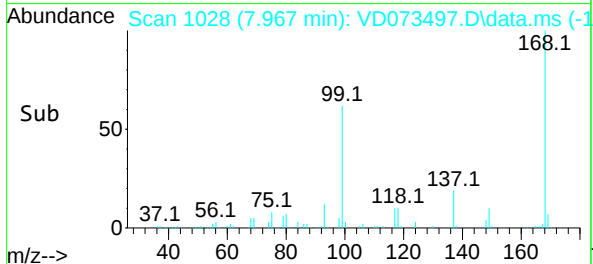
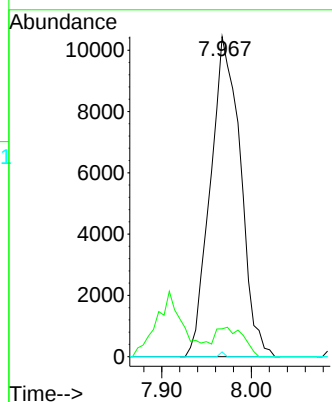
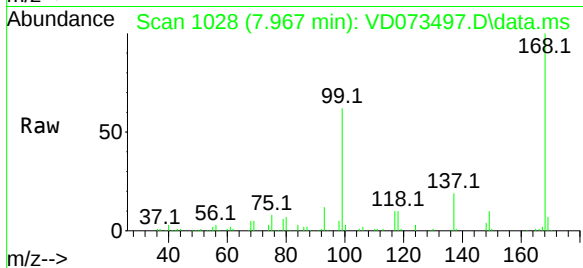
Tgt Ion: 75 Resp: 24248

Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.1#

77 0.2 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.050 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073497.D

Acq: 07 Jun 2022 14:07

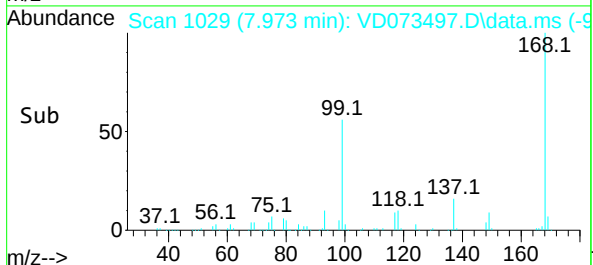
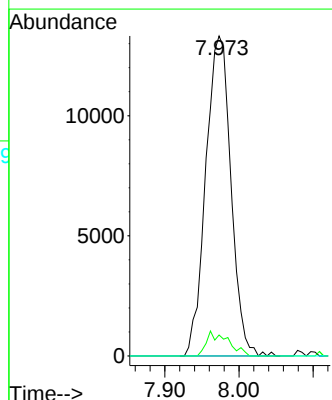
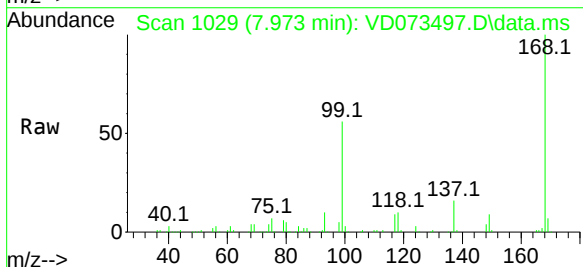
Tgt Ion: 117 Resp: 31451

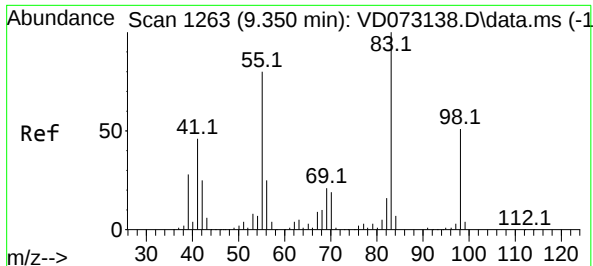
Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 11.418 ug/l

RT: 9.350 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD073497.D

Acq: 07 Jun 2022 14:07

Instrument :

MSVOA_D

ClientSampleId :

HELENS-0602

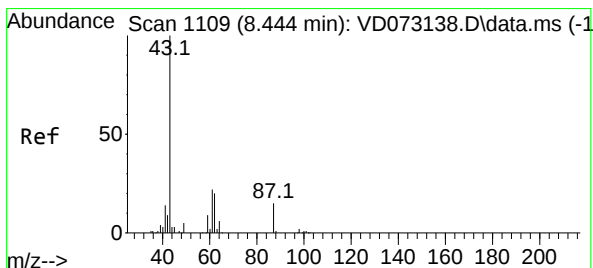
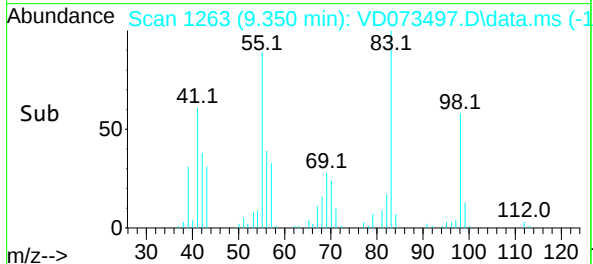
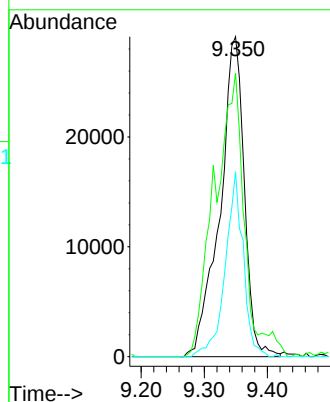
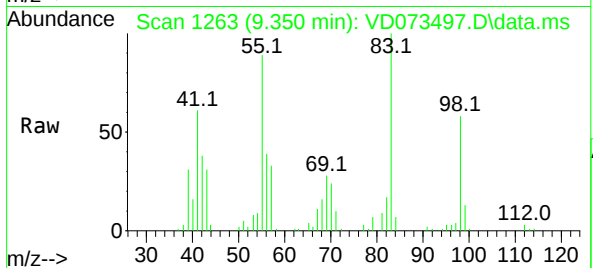
Tgt Ion: 83 Resp: 78172

Ion Ratio Lower Upper

83 100

55 88.6 63.2 94.8

98 57.8 38.2 57.4#



#43

Isopropyl Acetate

Concen: 3.928 ug/l

RT: 8.438 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD073497.D

Acq: 07 Jun 2022 14:07

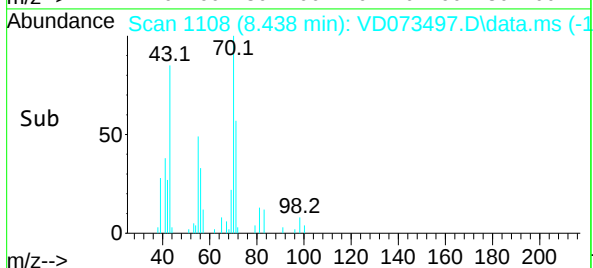
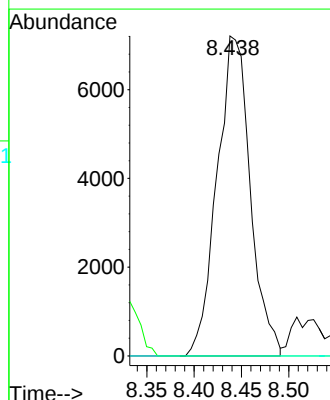
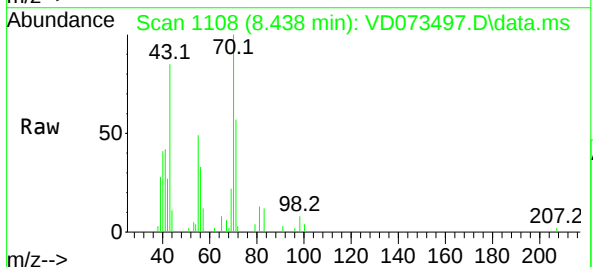
Tgt Ion: 43 Resp: 17617

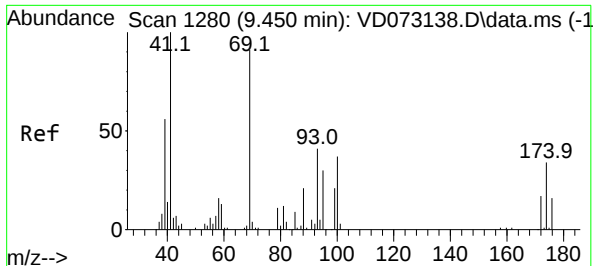
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#

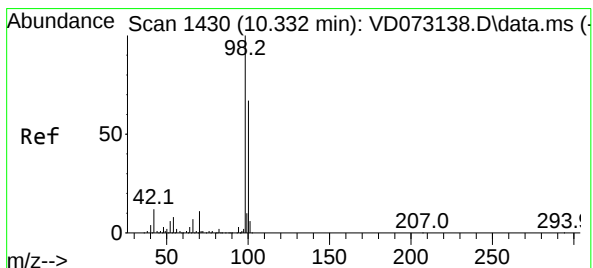
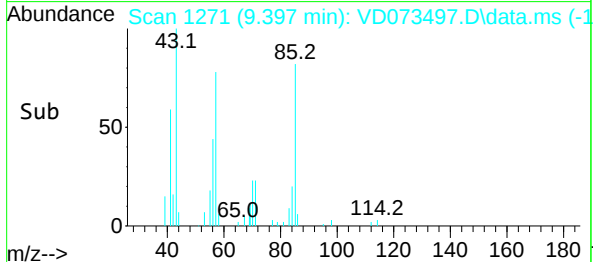
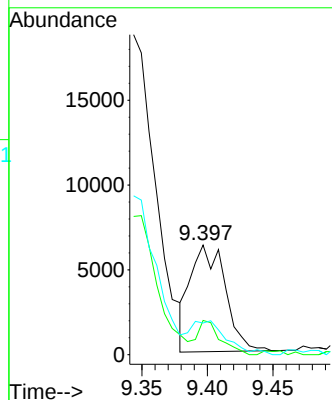
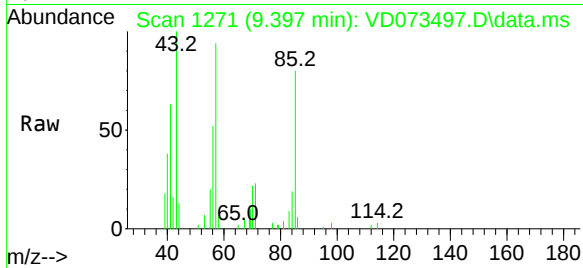




#48
Methyl methacrylate
Concen: 5.140 ug/l
RT: 9.397 min Scan# 11
Delta R.T. -0.053 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

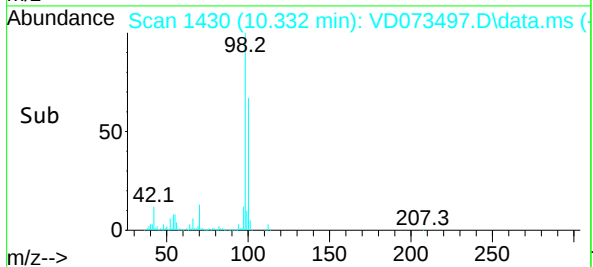
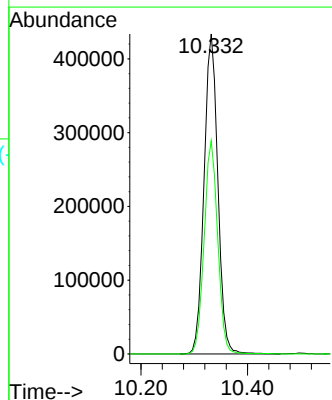
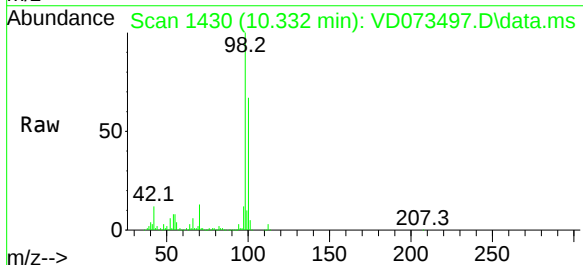
Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

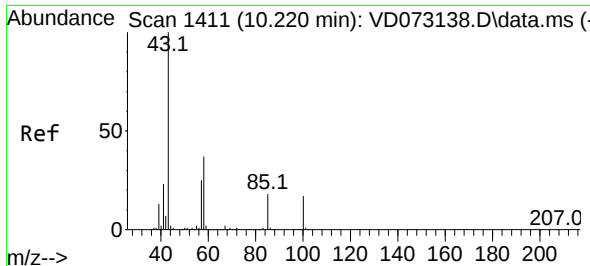
Tgt Ion: 41 Resp: 11598
Ion Ratio Lower Upper
41 100
69 21.5 56.7 85.1#
39 30.3 42.7 64.1#



#50
Toluene-d8
Concen: 51.611 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion: 98 Resp: 777140
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

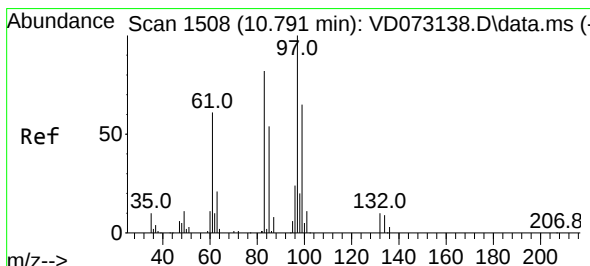
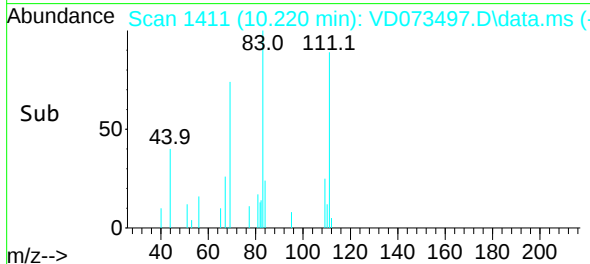
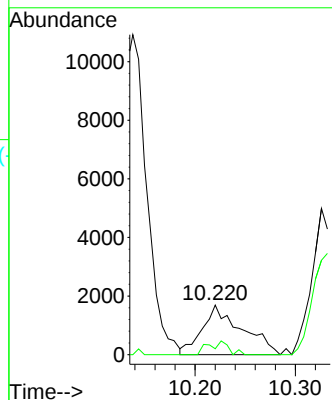
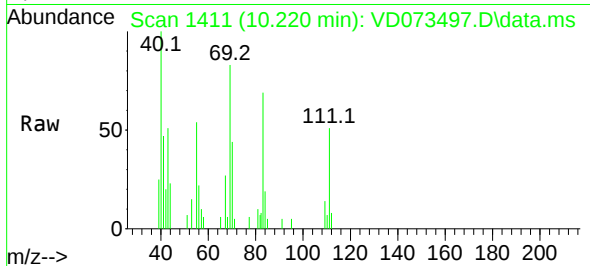




#51
4-Methyl-2-Pentanone
Concen: 1.981 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

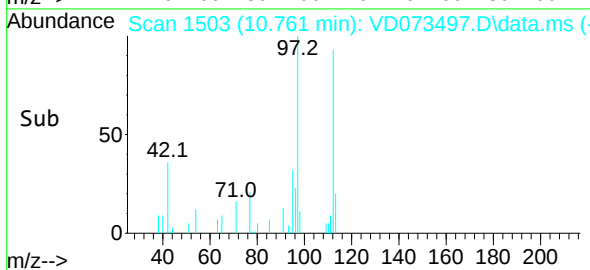
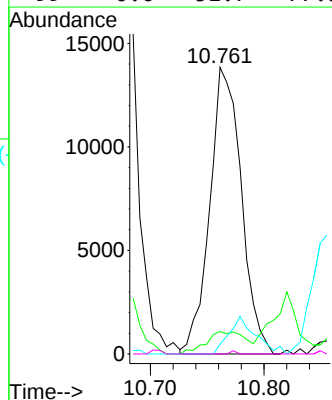
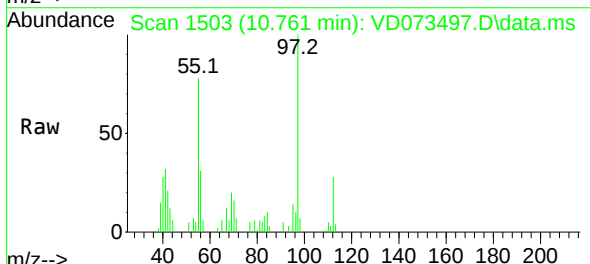
Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

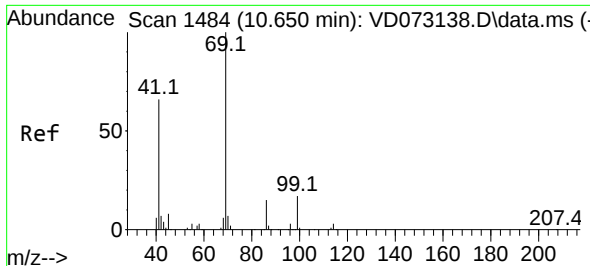
Tgt Ion: 43 Resp: 4615
Ion Ratio Lower Upper
43 100
58 6.8 28.6 43.0#



#55
1,1,2-Trichloroethane
Concen: 8.068 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.030 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion: 97 Resp: 26717
Ion Ratio Lower Upper
97 100
83 7.8 69.0 103.4#
85 3.4 42.6 63.8#
99 0.0 51.7 77.5#

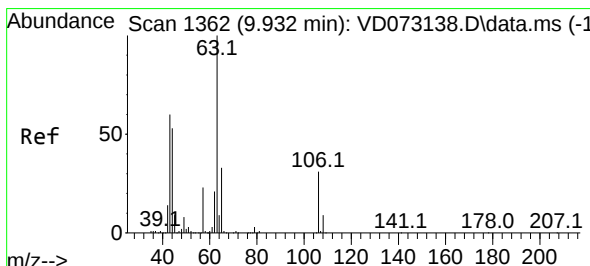
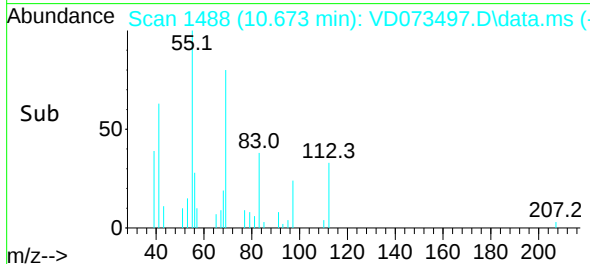
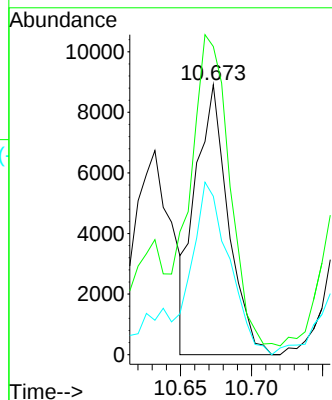
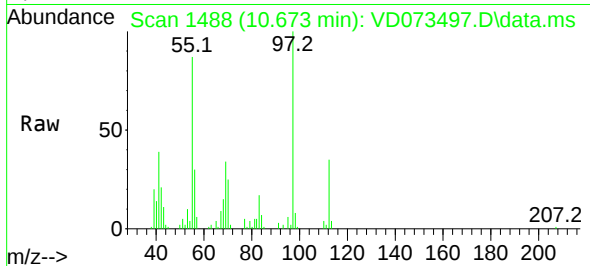




#56
Ethyl methacrylate
Concen: 3.894 ug/l
RT: 10.673 min Scan# 1484
Delta R.T. 0.023 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

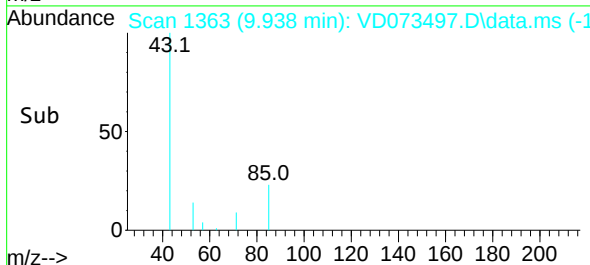
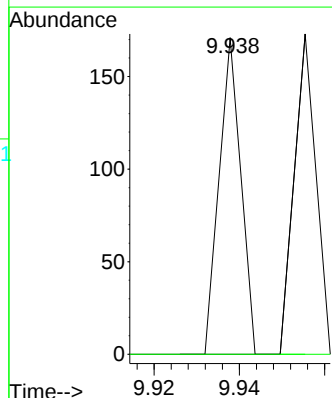
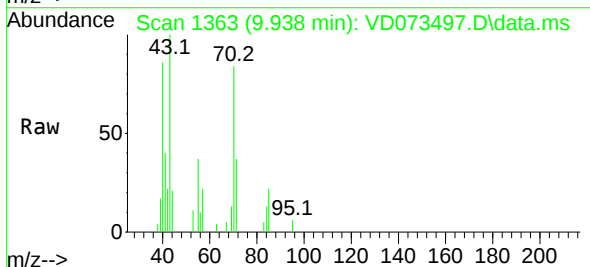
Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

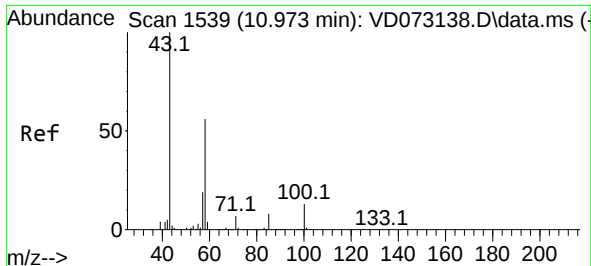
Tgt Ion: 69 Resp: 14339
Ion Ratio Lower Upper
69 100
41 134.7 63.0 94.6#
39 86.3 33.8 50.8#



#58
2-Chloroethyl Vinyl ether
Concen: 21.652 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#

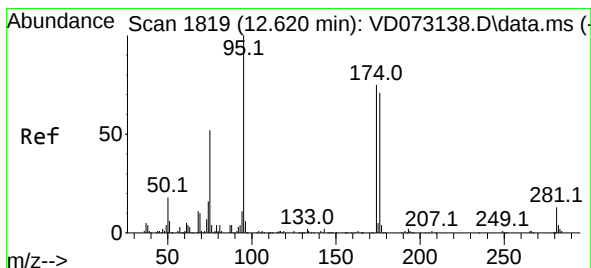
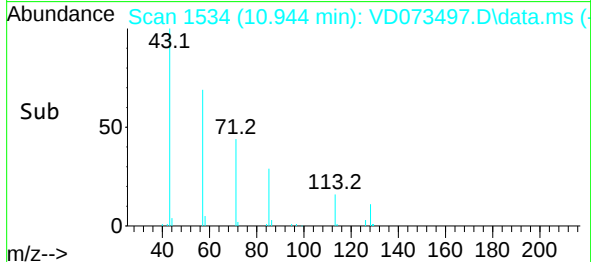
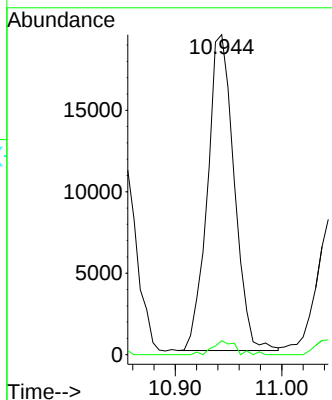
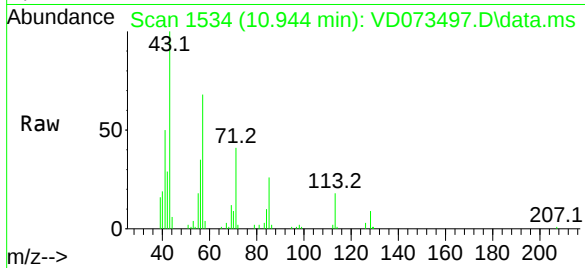




#59
2-Hexanone
Concen: 22.053 ug/l
RT: 10.944 min Scan# 1
Delta R.T. -0.029 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

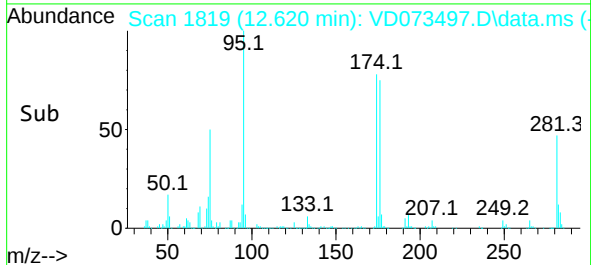
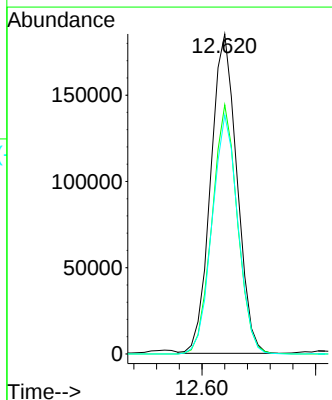
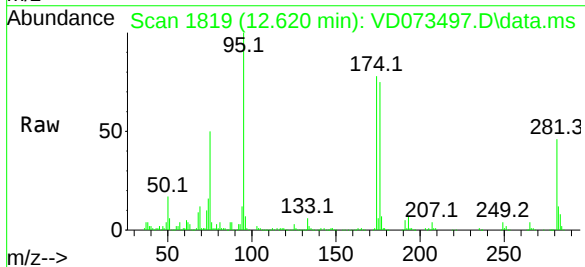
Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

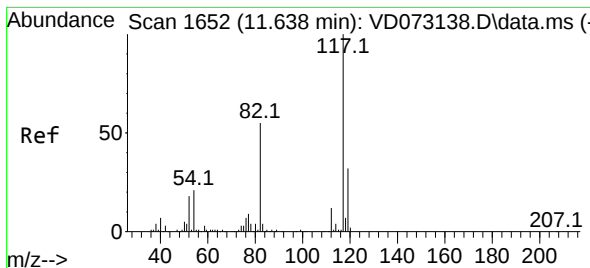
Tgt Ion: 43 Resp: 33871
Ion Ratio Lower Upper
43 100
58 3.8 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 56.165 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion: 95 Resp: 296796
Ion Ratio Lower Upper
95 100
174 75.5 0.0 152.8
176 73.6 0.0 145.4

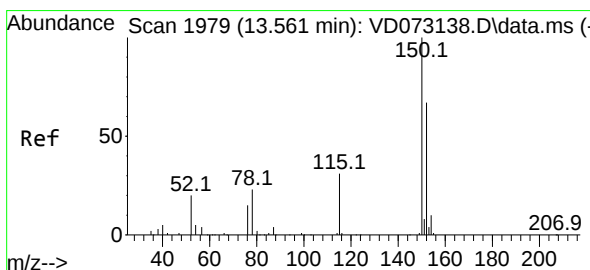
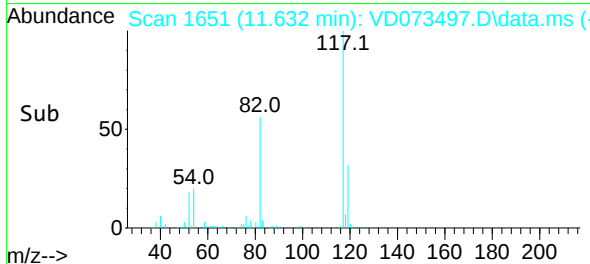
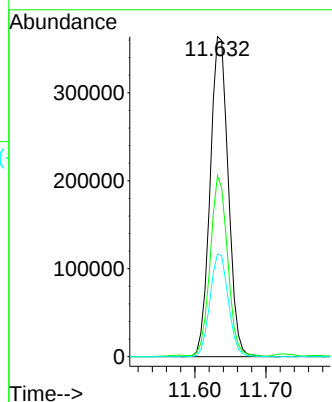
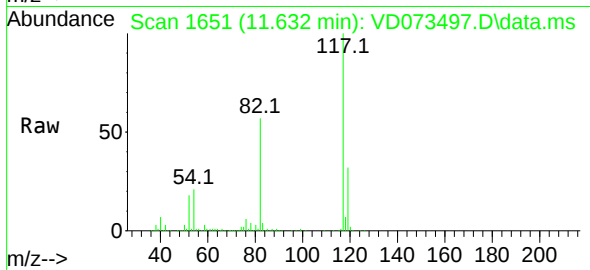




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

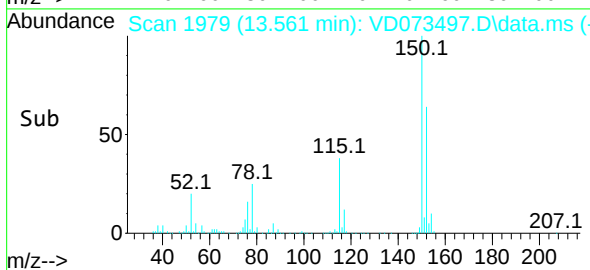
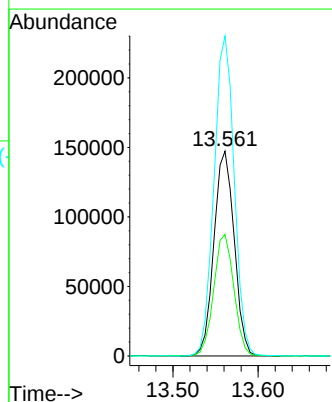
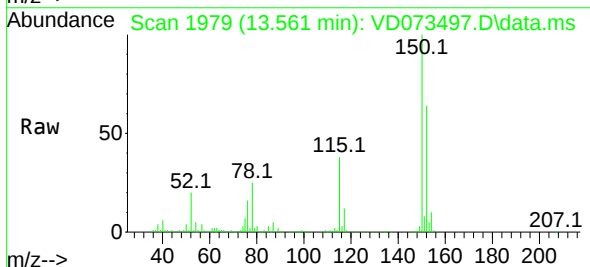
Instrument :
MSVOA_D
ClientSampleId :
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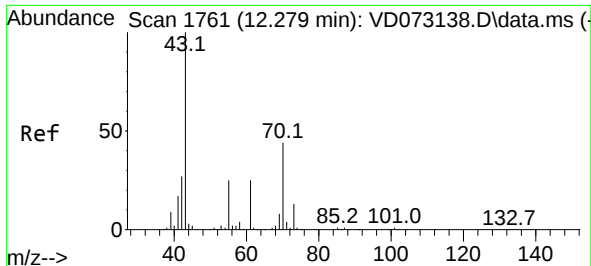
Tgt Ion:117 Resp: 643748
Ion Ratio Lower Upper
117 100
82 56.0 45.3 67.9
119 32.1 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion:152 Resp: 243760
Ion Ratio Lower Upper
152 100
115 59.0 31.3 93.8
150 155.6 0.0 348.6

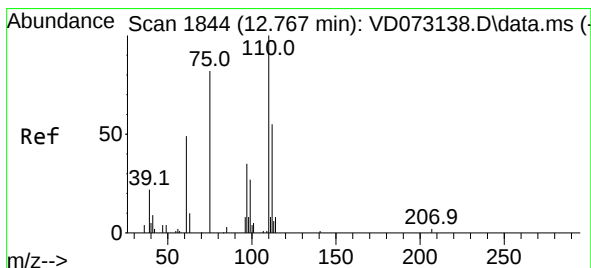
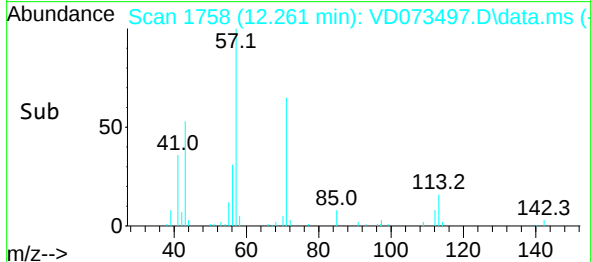
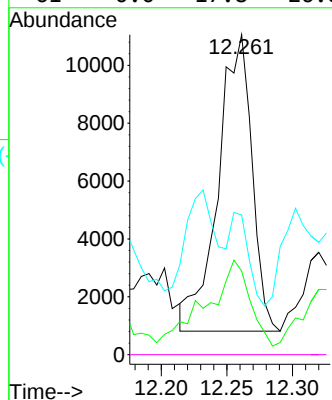
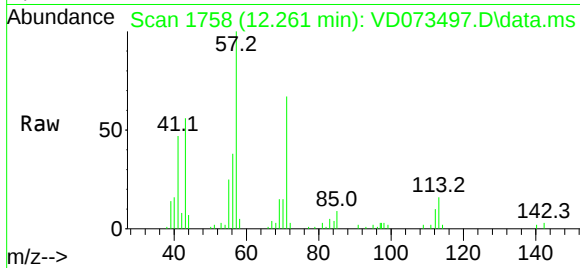




#74
N-amy1 acetate
Concen: 4.844 ug/l
RT: 12.261 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

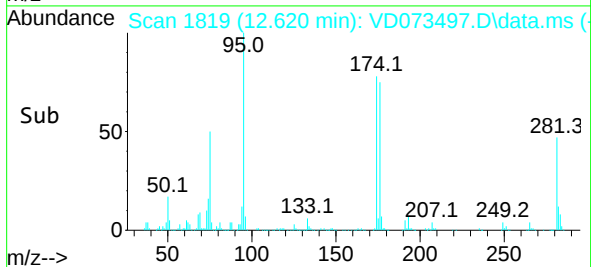
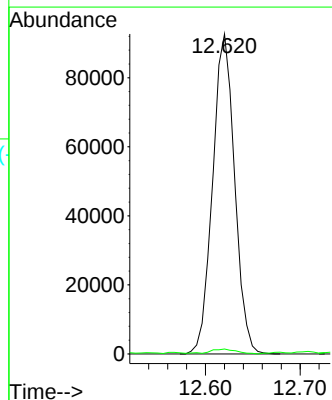
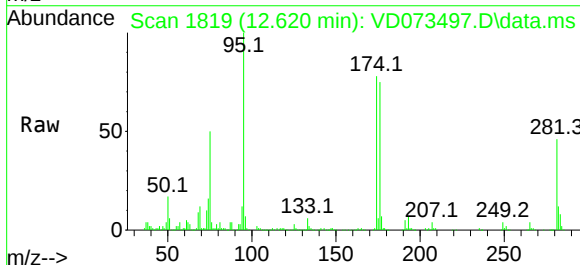
Instrument :
MSVOA_D
ClientSampleId :
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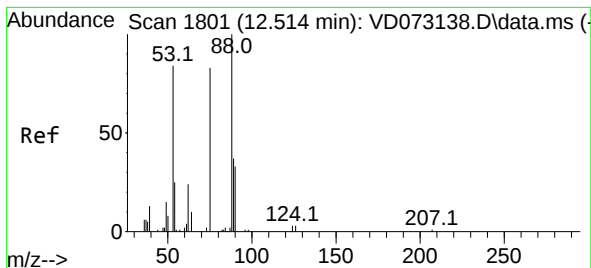
Tgt Ion: 43	Resp: 18364
Ion Ratio	Lower Upper
43 100	
70 36.9	31.3 46.9
55 21.8	20.0 30.0
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 62.542 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion: 75	Resp: 149583
Ion Ratio	Lower Upper
75 100	
77 1.9	0.0 0.0#

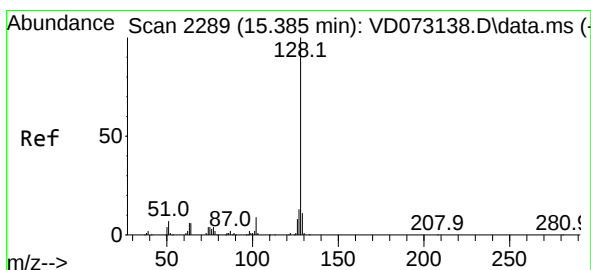
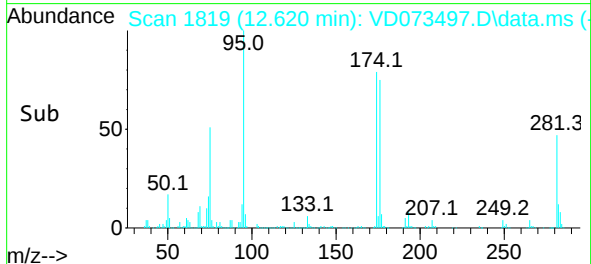
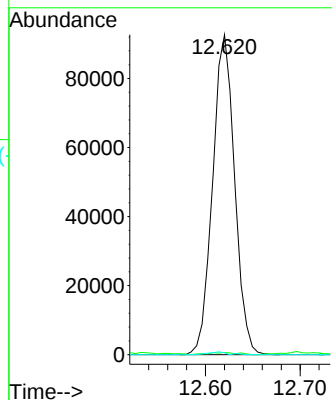
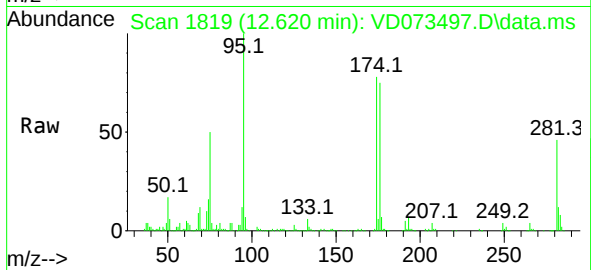




#81
trans-1,4-Dichloro-2-butene
Concen: 150.145 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

Tgt Ion: 75 Resp: 149583
Ion Ratio Lower Upper
75 100
53 0.9 86.5 129.7#
89 0.7 33.9 50.9#



#95
Naphthalene
Concen: 3.659 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD073497.D
Acq: 07 Jun 2022 14:07

Tgt Ion: 128 Resp: 1011
Ion Ratio Lower Upper
128 100
127 6.8 10.3 15.5#
129 0.0 8.4 12.6#

