

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073019.D
 Acq On : 14 May 2022 06:16
 Operator : VA/SY
 Sample : N2823-05
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-5

Quant Time: May 16 05:21:06 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)

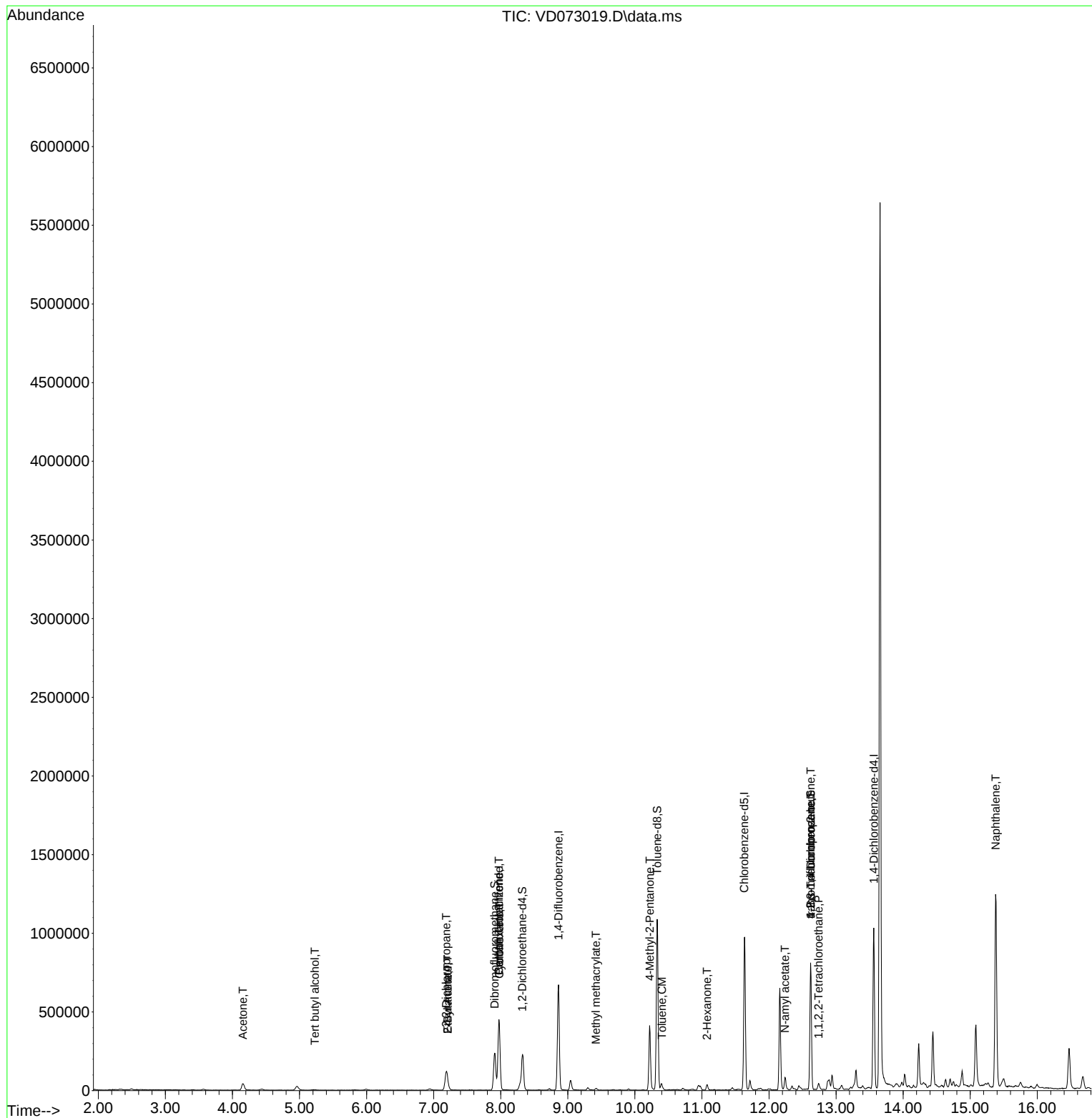
Internal Standards						
1) Pentafluorobenzene	7.973	168	323724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	559459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	568360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	268334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	175765	41.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.660%
35) Dibromofluoromethane	7.908	113	174470	44.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.800%
50) Toluene-d8	10.332	98	731852	51.926	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.860%
62) 4-Bromofluorobenzene	12.620	95	268307	51.054	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.100%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	941	Below Cal		99
11) Tert butyl alcohol	5.226	59	5745	15.801 ug/l #		80
13) Acrolein	3.938	56	61	Below Cal #		14
16) Acetone	4.156	43	74321	85.308 ug/l		96
18) Methyl Acetate	4.750	43	68	Below Cal #		55
20) Methylene Chloride	4.967	84	18990	Below Cal #		78
25) 2-Butanone	7.208	43	31974	26.114 ug/l		99
26) 2,2-Dichloropropane	7.185	77	7622	1.082 ug/l #		54
31) Cyclohexane	7.979	56	7776	1.059 ug/l #		1
37) Ethyl Acetate	7.208	43	31974	10.887 ug/l #		80
38) Carbon Tetrachloride	7.973	117	33922	5.115 ug/l #		16
48) Methyl methacrylate	9.420	41	3391	1.279 ug/l #		48
51) 4-Methyl-2-Pentanone	10.220	43	266114	94.472 ug/l		97
52) Toluene	10.402	92	15873	1.379 ug/l		96
59) 2-Hexanone	11.073	43	3533	1.864 ug/l		66
74) N-amyl acetate	12.238	43	49149	9.453 ug/l #		50
75) 1,1,2,2-Tetrachloroethane	12.738	83	13536	3.212 ug/l #		25
76) 1,2,3-Trichloropropane	12.620	75	137044	45.802 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	137044	105.326 ug/l #		7
95) Naphthalene	15.379	128	1078091	113.756 ug/l		99

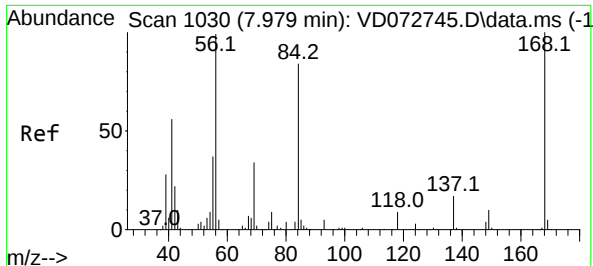
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 03 08:33:49 2022
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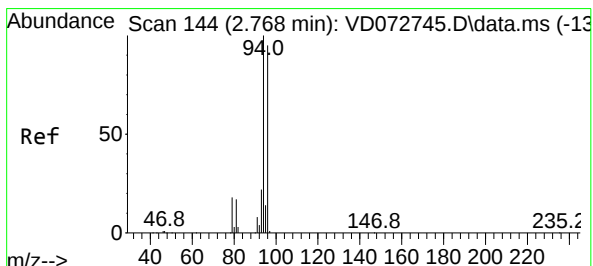
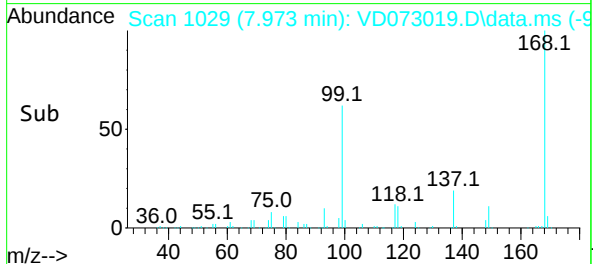
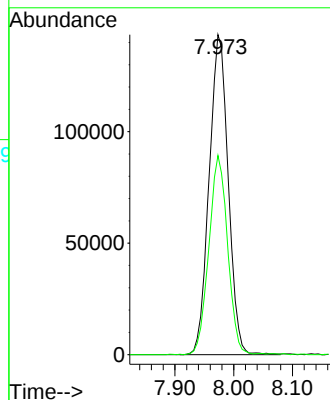
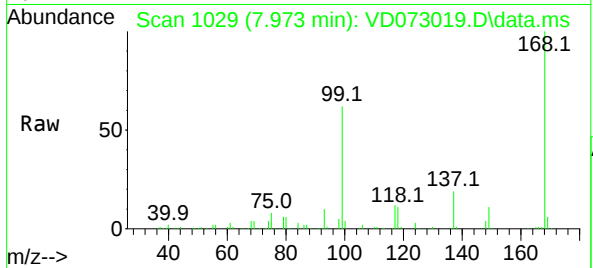




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

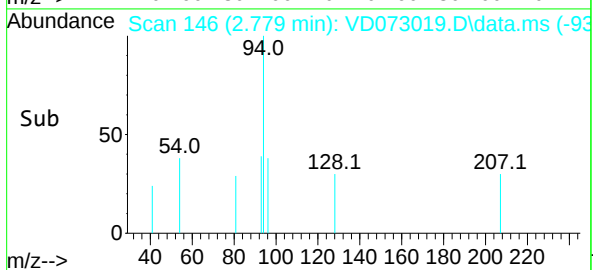
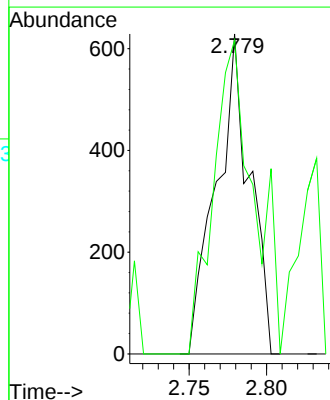
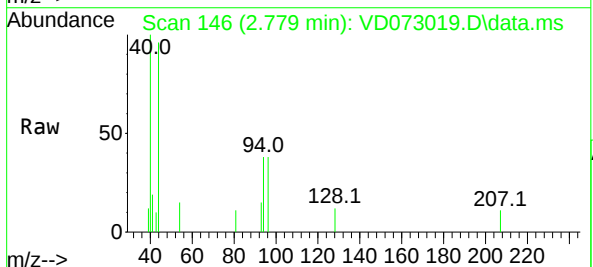
Instrument :
MSVOA_D
ClientSampleId :
SC-5

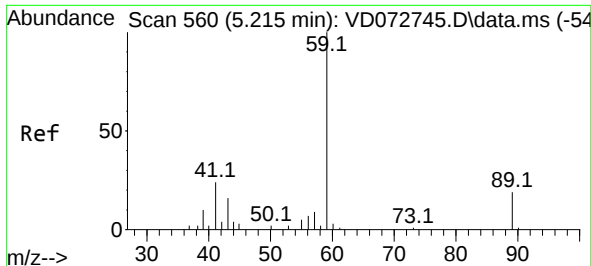
Tgt Ion:168 Resp: 323724
Ion Ratio Lower Upper
168 100
99 62.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

Tgt Ion: 94 Resp: 941
Ion Ratio Lower Upper
94 100
96 98.1 77.6 116.4





#11

Tert butyl alcohol

Concen: 15.801 ug/l

RT: 5.226 min Scan# 5

Delta R.T. 0.011 min

Lab File: VD073019.D

Acq: 14 May 2022 06:16

Instrument :

MSVOA_D

ClientSampleId :

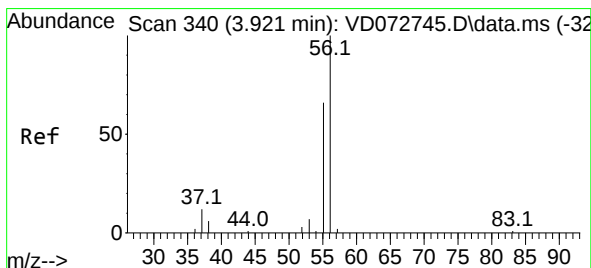
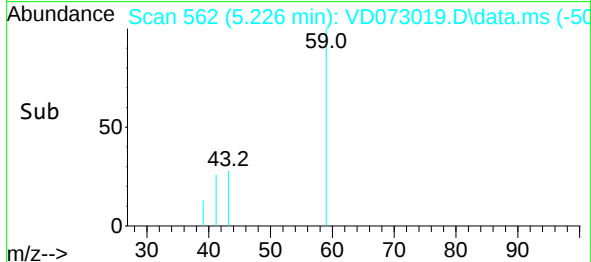
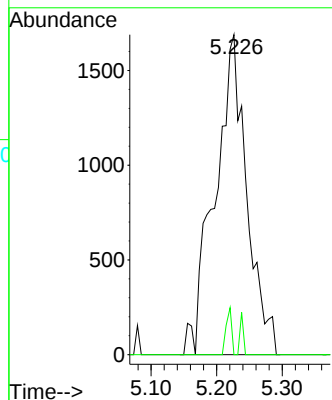
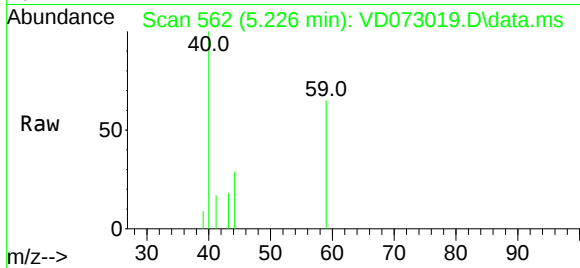
SC-5

Tgt Ion: 59 Resp: 5745

Ion Ratio Lower Upper

59 100

57 2.5 7.8 11.6#



#13

Acrolein

Concen: Below Cal

RT: 3.938 min Scan# 343

Delta R.T. 0.017 min

Lab File: VD073019.D

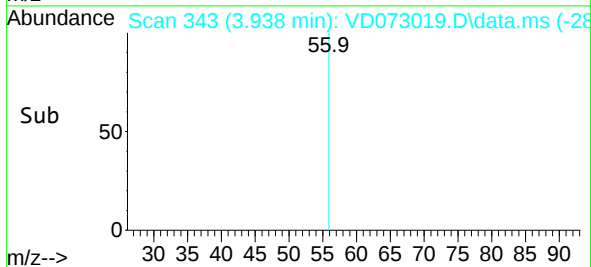
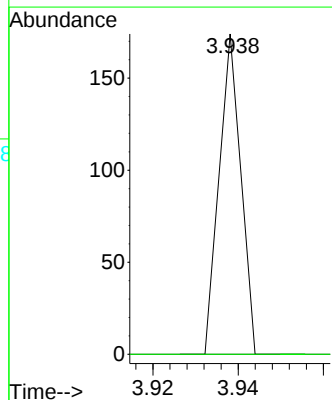
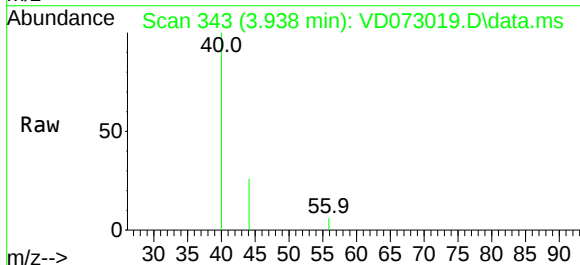
Acq: 14 May 2022 06:16

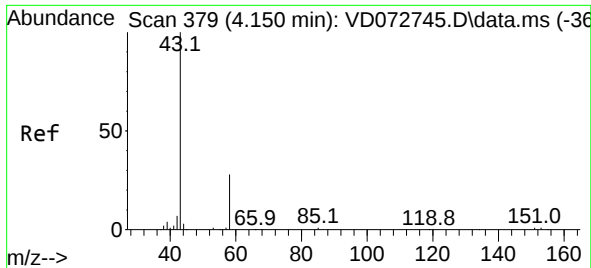
Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

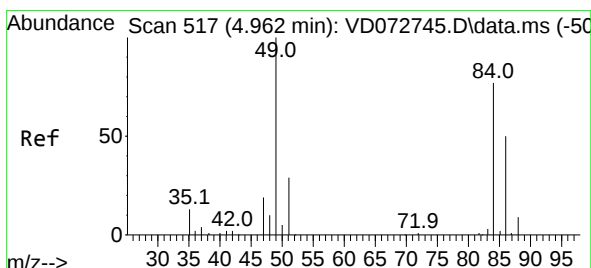
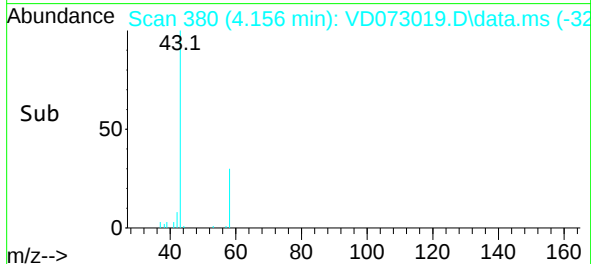
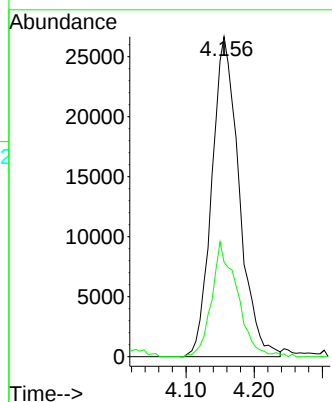
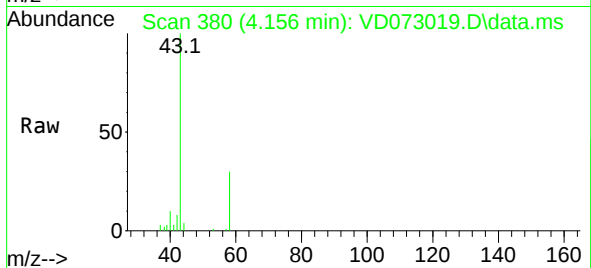




#16
Acetone
Concen: 85.308 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

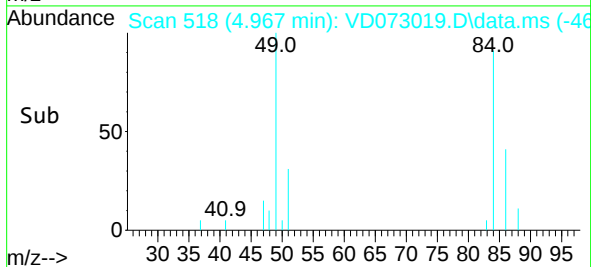
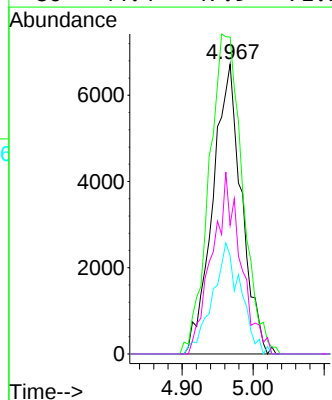
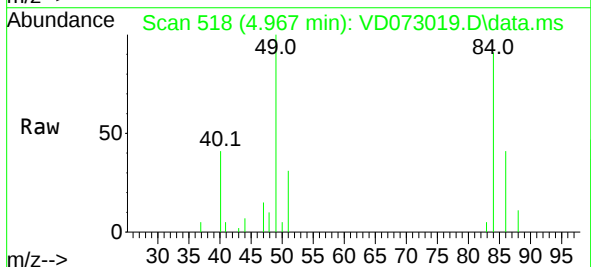
Instrument :
MSVOA_D
ClientSampleId :
SC-5

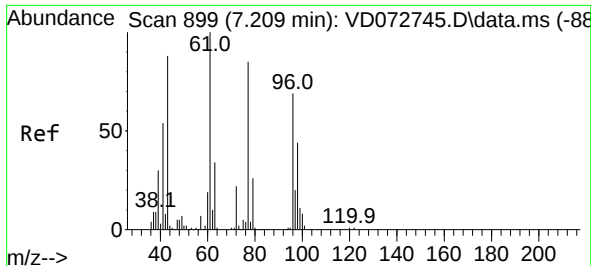
Tgt Ion: 43 Resp: 74321
Ion Ratio Lower Upper
43 100
58 29.5 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

Tgt Ion: 84 Resp: 18990
Ion Ratio Lower Upper
84 100
49 109.4 112.8 169.2#
51 33.8 32.6 48.8
86 44.4 47.9 71.9#

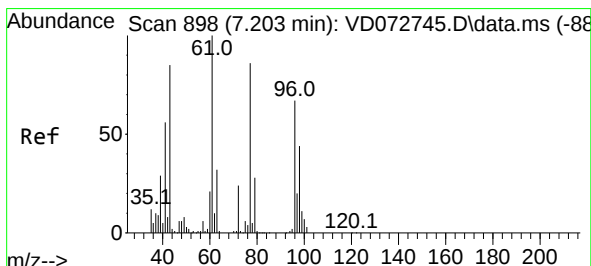
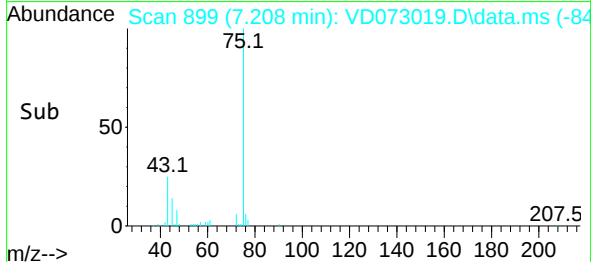
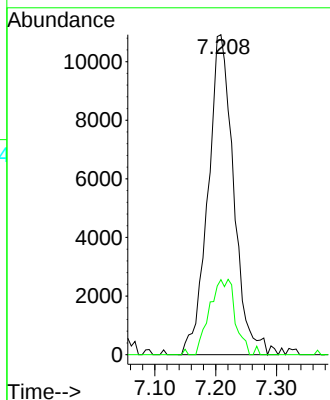
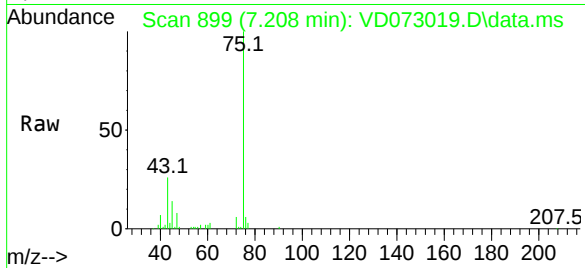




#25
2-Butanone
Concen: 26.114 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

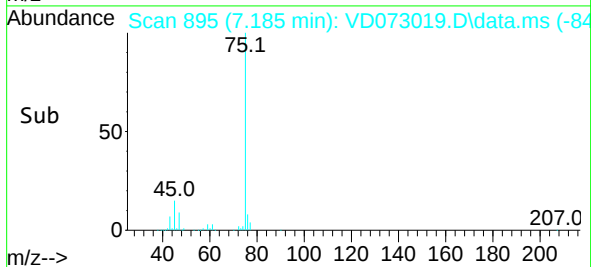
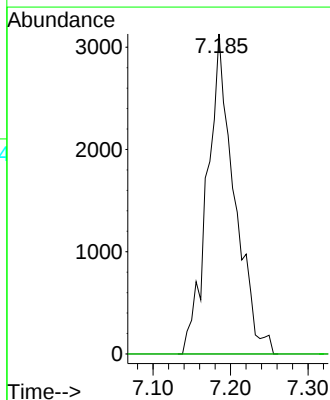
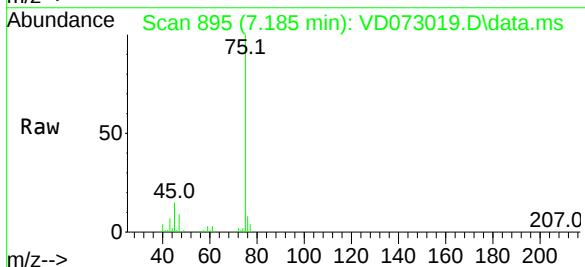
Instrument :
MSVOA_D
ClientSampleId :
SC-5

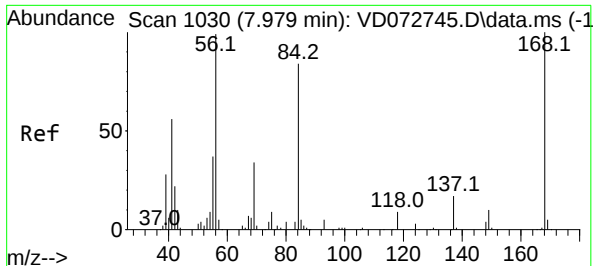
Tgt Ion: 43 Resp: 31974
Ion Ratio Lower Upper
43 100
72 23.5 18.6 27.8



#26
2,2-Dichloropropane
Concen: 1.082 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.018 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

Tgt Ion: 77 Resp: 7622
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#

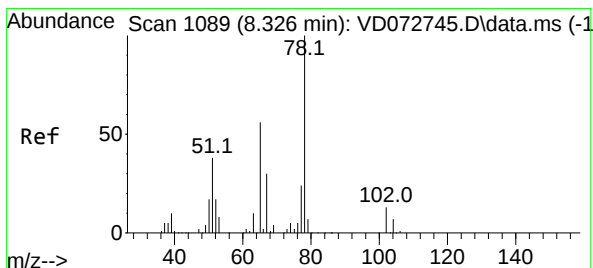
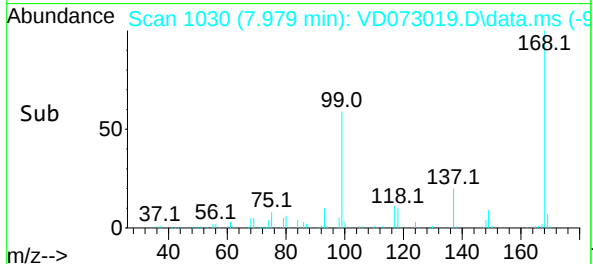
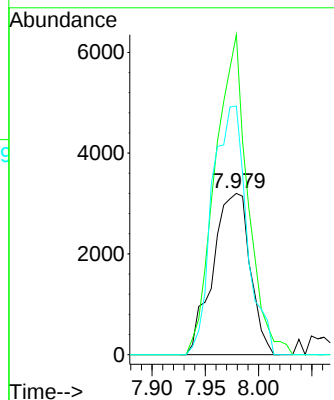
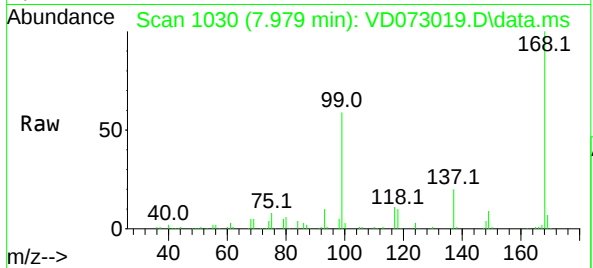




#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

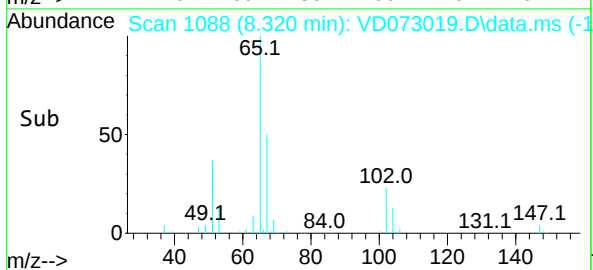
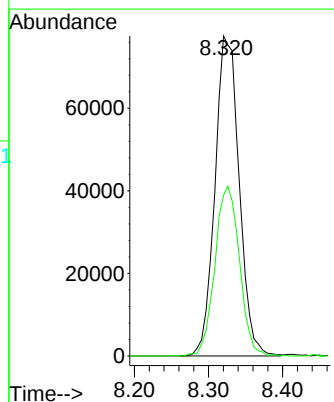
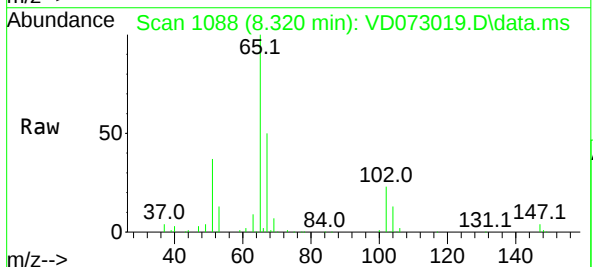
Instrument :
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ClientSampleId :
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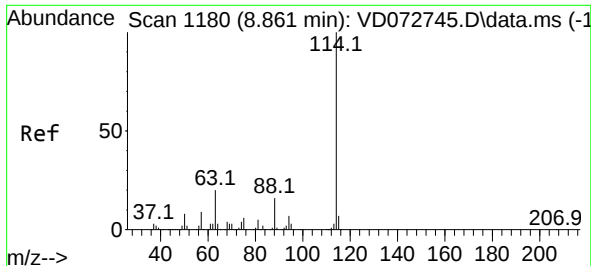
Tgt Ion: 56 Resp: 7776
Ion Ratio Lower Upper
56 100
69 198.3 25.4 38.2#
84 154.2 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 41.827 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

Tgt Ion: 65 Resp: 175765
Ion Ratio Lower Upper
65 100
67 53.8 0.0 101.4

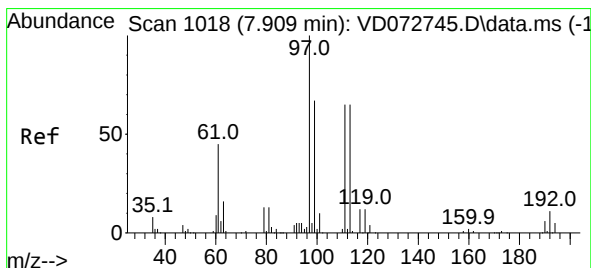
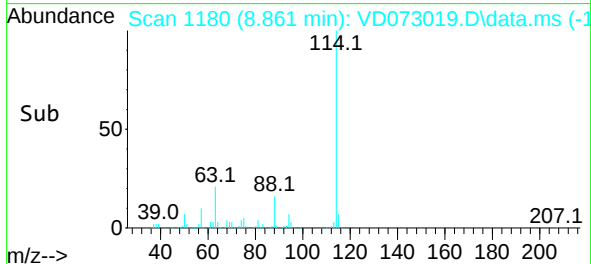
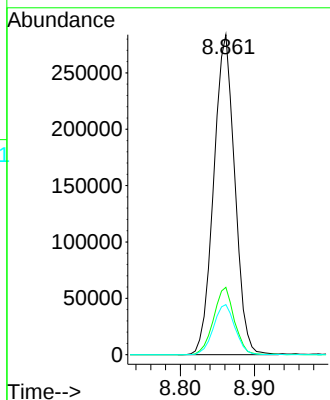
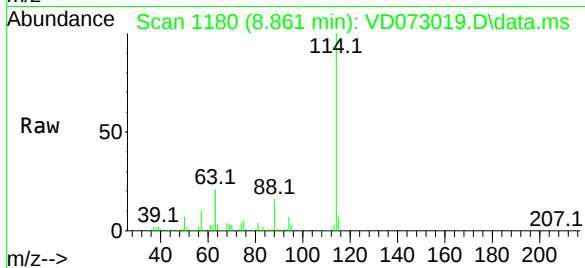




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

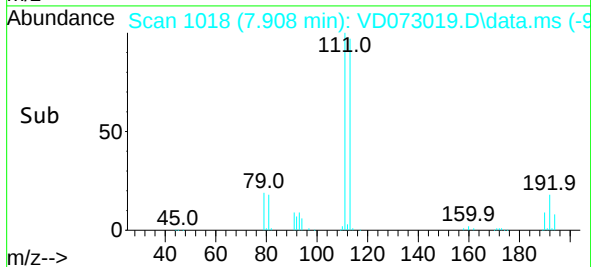
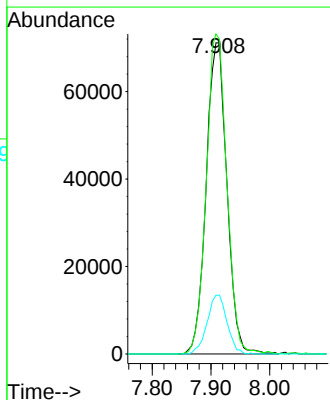
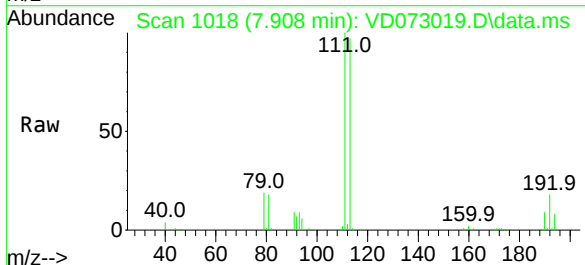
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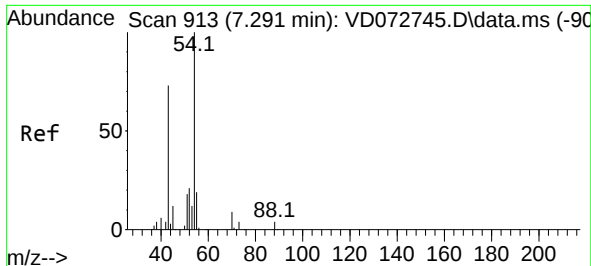
Tgt Ion:114 Resp: 559459
Ion Ratio Lower Upper
114 100
63 21.1 0.0 46.6
88 15.6 0.0 33.2



#35
Dibromofluoromethane
Concen: 44.404 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

Tgt Ion:113 Resp: 174470
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.6
192 18.1 14.6 21.8

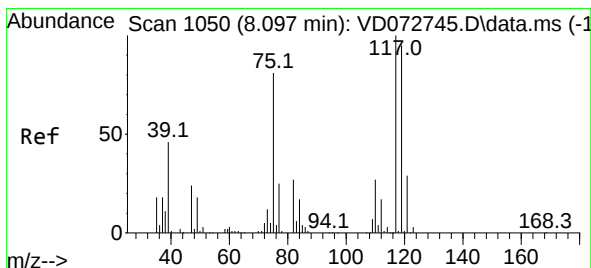
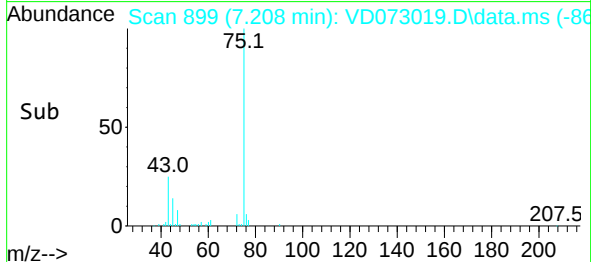
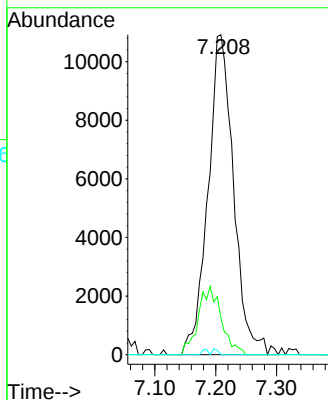
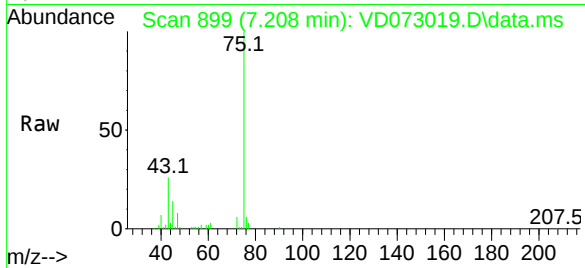




#37
Ethyl Acetate
Concen: 10.887 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.083 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

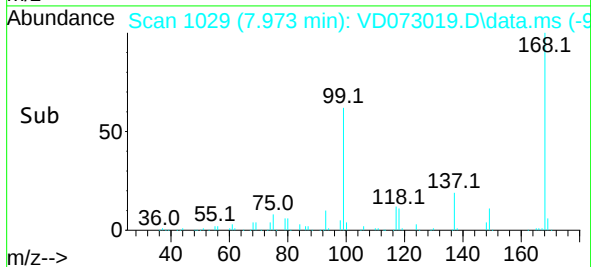
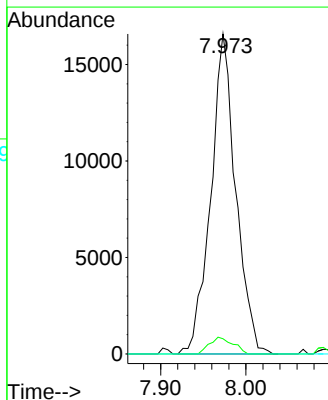
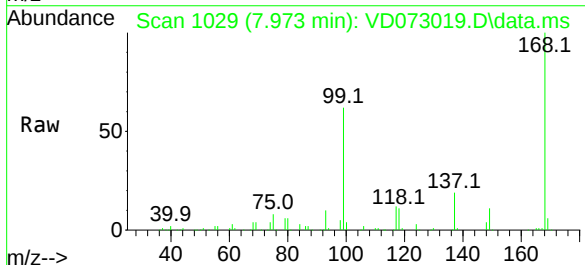
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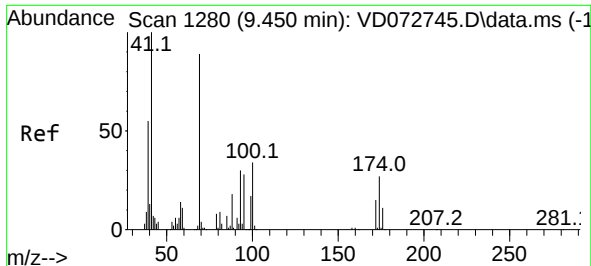
Tgt Ion: 43 Resp: 31974
Ion Ratio Lower Upper
43 100
61 19.3 9.8 14.8#
70 0.4 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.115 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

Tgt Ion: 117 Resp: 33922
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 1.279 ug/l

RT: 9.420 min Scan# 1275

Delta R.T. -0.030 min

Lab File: VD073019.D

Acq: 14 May 2022 06:16

Instrument :

MSVOA_D

ClientSampleId :

SC-5

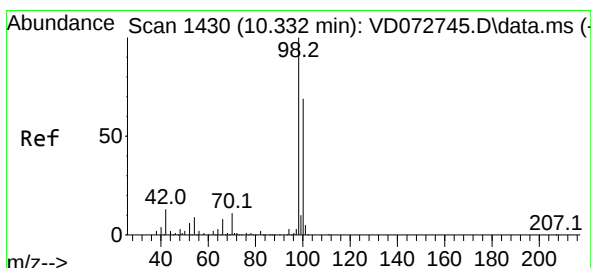
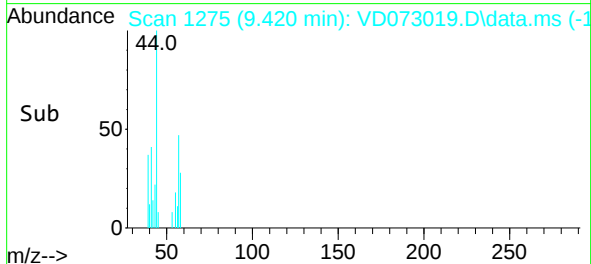
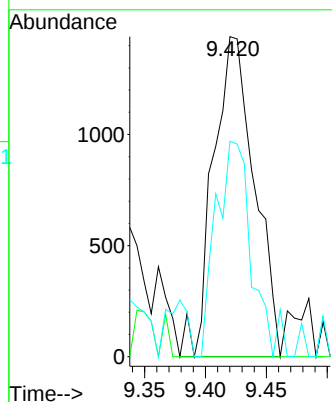
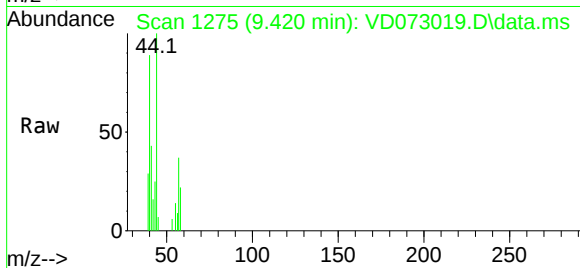
Tgt Ion: 41 Resp: 3391

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 58.2 42.7 64.1



#50

Toluene-d8

Concen: 51.926 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073019.D

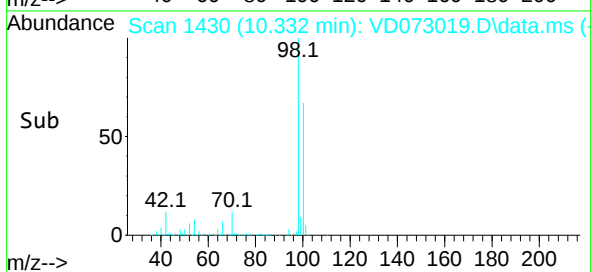
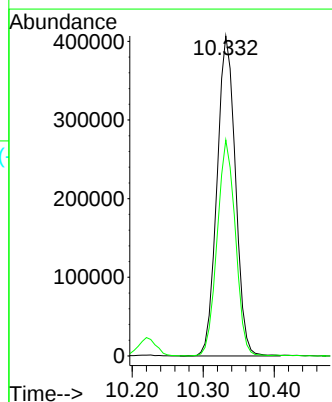
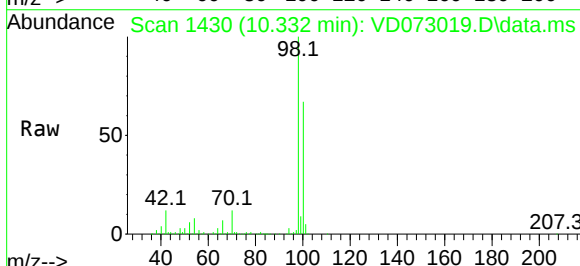
Acq: 14 May 2022 06:16

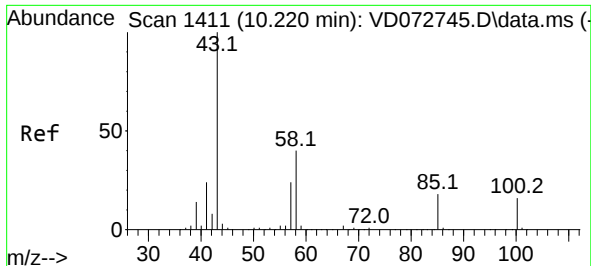
Tgt Ion: 98 Resp: 731852

Ion Ratio Lower Upper

98 100

100 66.7 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 94.472 ug/l

RT: 10.220 min Scan# 1411

Delta R.T. 0.000 min

Lab File: VD073019.D

Acq: 14 May 2022 06:16

Instrument :

MSVOA_D

ClientSampleId :

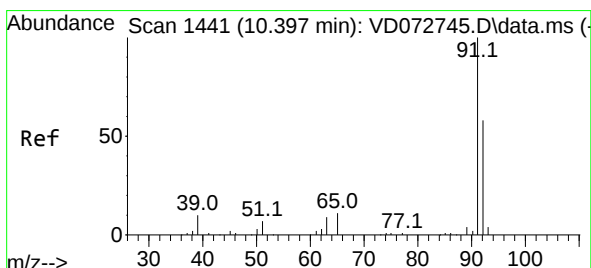
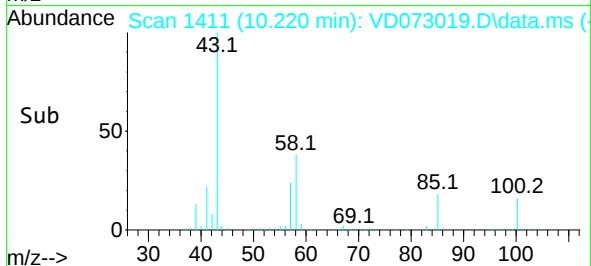
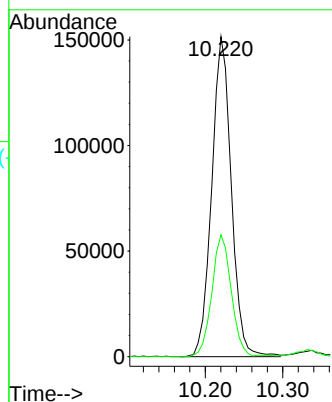
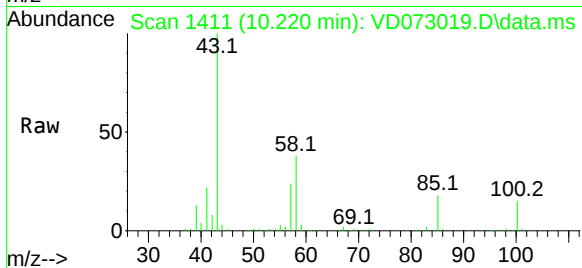
SC-5

Tgt Ion: 43 Resp: 266114

Ion Ratio Lower Upper

43 100

58 37.7 28.6 43.0



#52

Toluene

Concen: 1.379 ug/l

RT: 10.402 min Scan# 1442

Delta R.T. 0.005 min

Lab File: VD073019.D

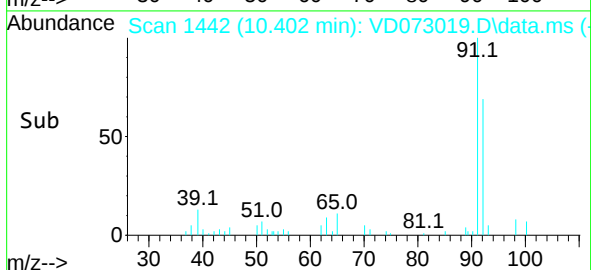
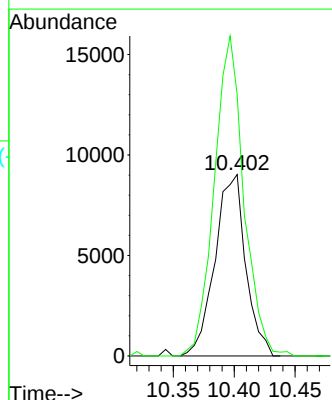
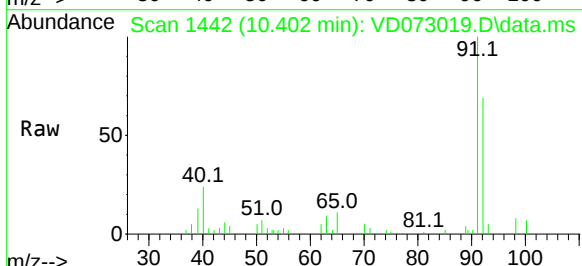
Acq: 14 May 2022 06:16

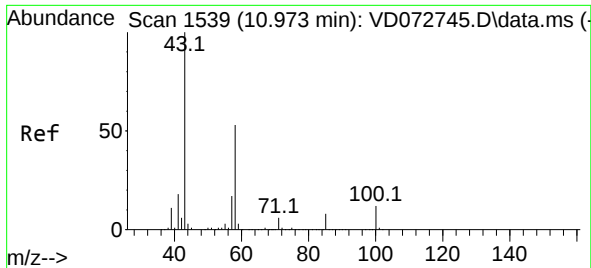
Tgt Ion: 92 Resp: 15873

Ion Ratio Lower Upper

92 100

91 169.6 139.6 209.4

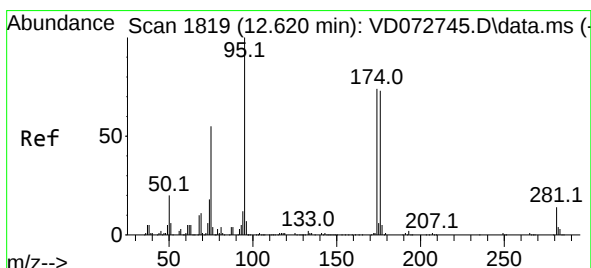
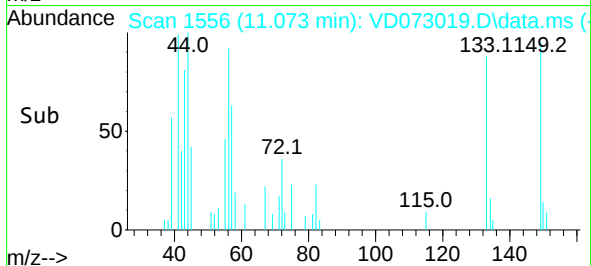
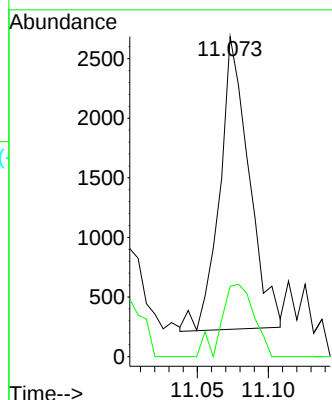
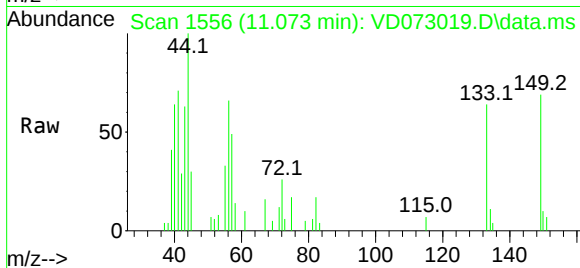




#59
2-Hexanone
Concen: 1.864 ug/l
RT: 11.073 min Scan# 11556
Delta R.T. 0.100 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

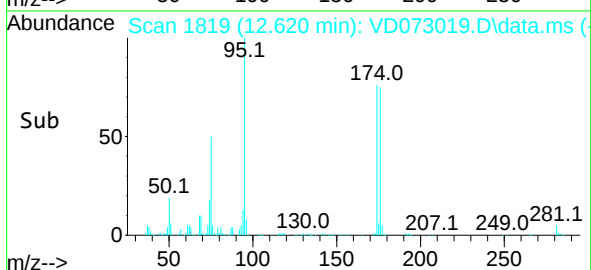
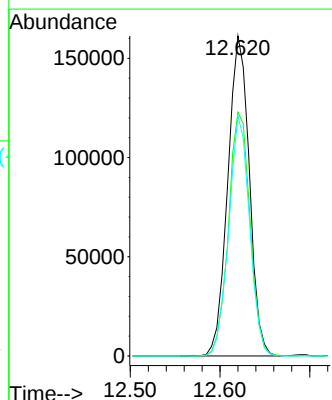
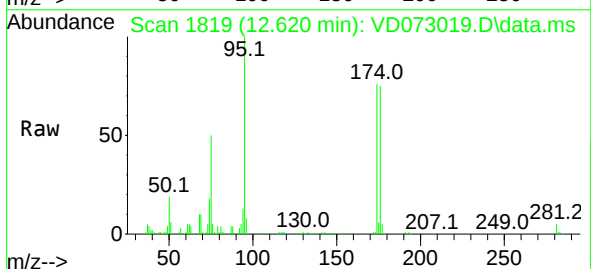
Instrument :
MSVOA_D
ClientSampleId :
SC-5

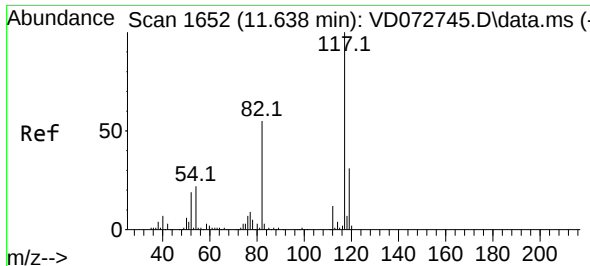
Tgt Ion: 43 Resp: 3533
Ion Ratio Lower Upper
43 100
58 27.3 25.3 75.9



#62
4-Bromofluorobenzene
Concen: 51.054 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

Tgt Ion: 95 Resp: 268307
Ion Ratio Lower Upper
95 100
174 76.4 0.0 152.8
176 72.8 0.0 145.4

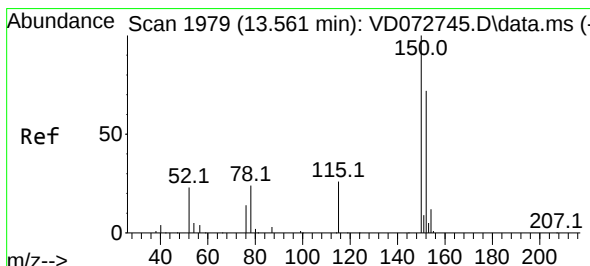
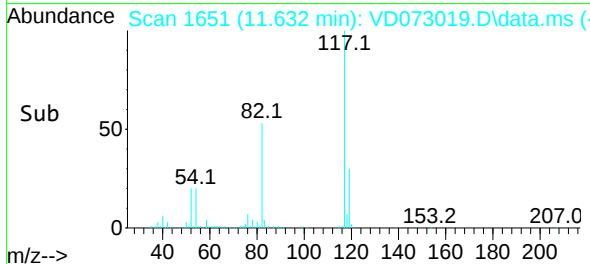
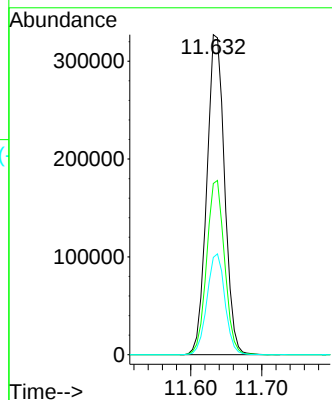
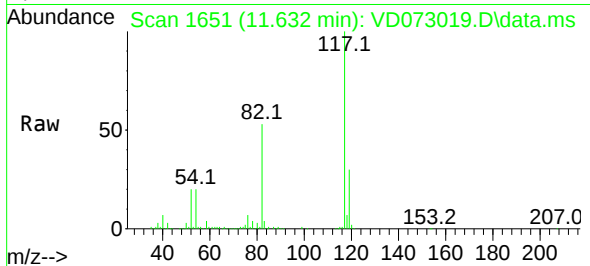




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

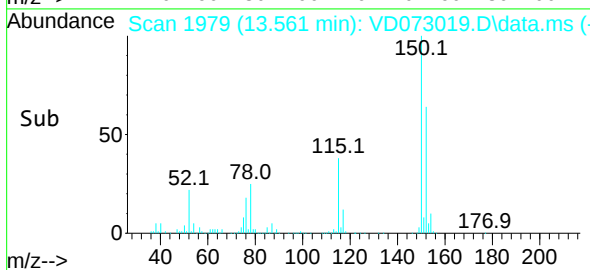
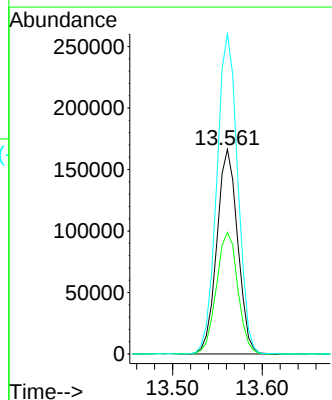
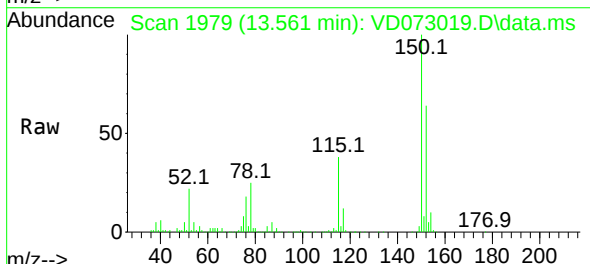
Instrument :
MSVOA_D
ClientSampleId :
SC-5

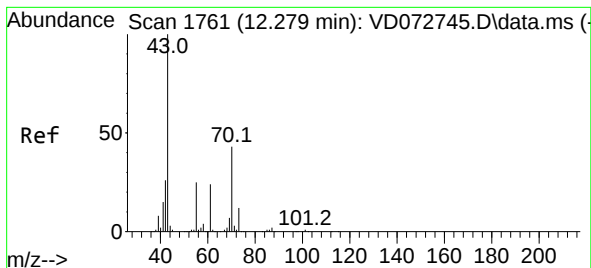
Tgt Ion:117 Resp: 568360
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 30.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

Tgt Ion:152 Resp: 268334
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.8
150 157.1 0.0 348.6





#74

N-amy1 acetate

Concen: 9.453 ug/l

RT: 12.238 min Scan# 1

Delta R.T. -0.041 min

Lab File: VD073019.D

Acq: 14 May 2022 06:16

Instrument :

MSVOA_D

ClientSampleId :

SC-5

Tgt Ion: 43 Resp: 49149

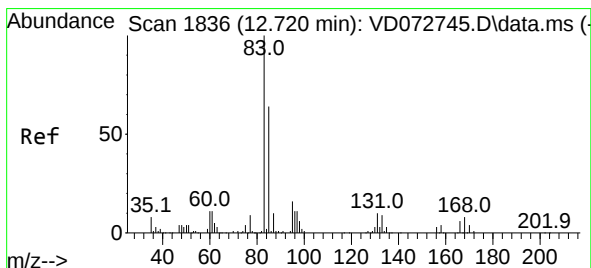
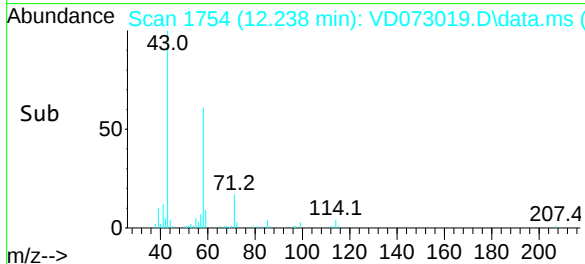
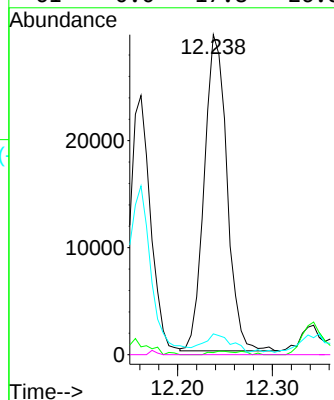
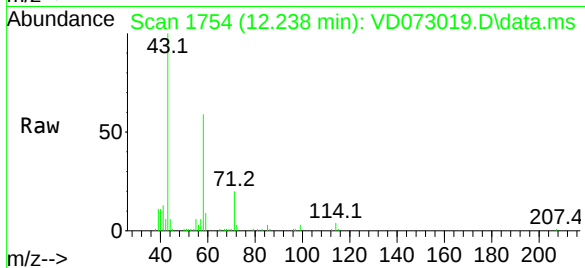
Ion Ratio Lower Upper

43 100

70 1.6 31.3 46.9#

55 7.7 20.0 30.0#

61 0.0 17.8 26.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 3.212 ug/l

RT: 12.738 min Scan# 1839

Delta R.T. 0.018 min

Lab File: VD073019.D

Acq: 14 May 2022 06:16

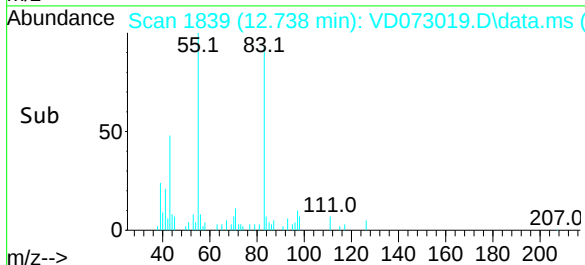
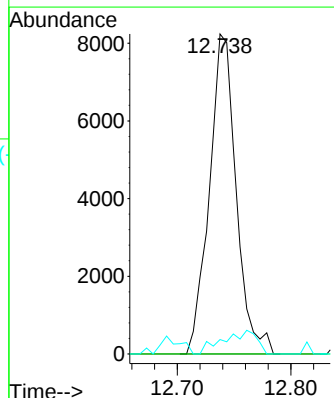
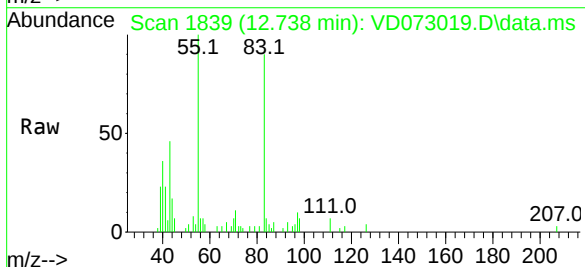
Tgt Ion: 83 Resp: 13536

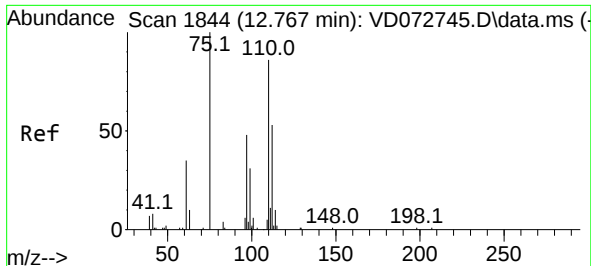
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.6 98.0#

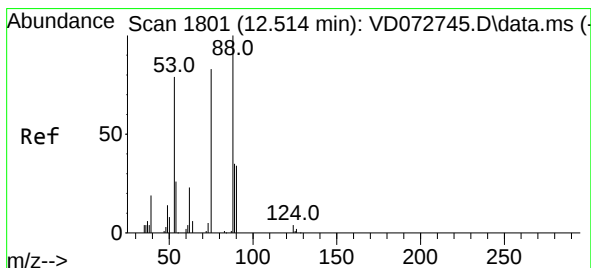
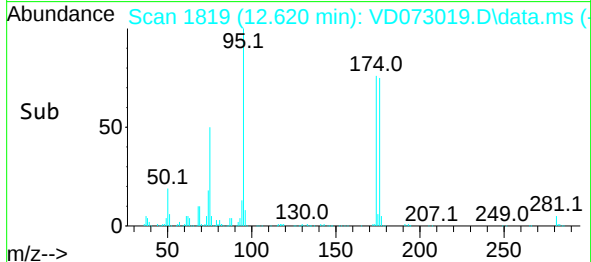
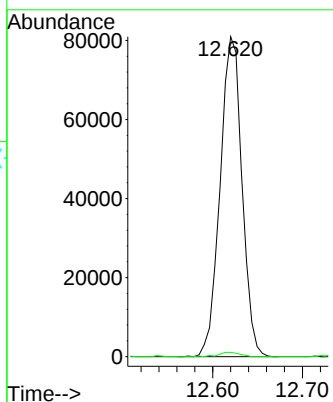
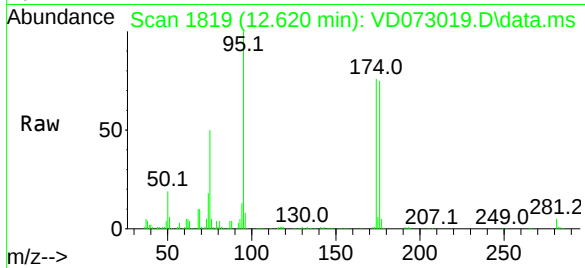




#76
1,2,3-Trichloropropane
Concen: 45.802 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

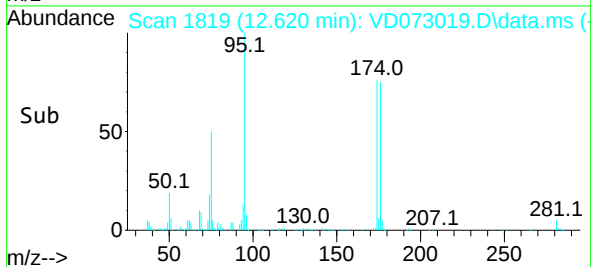
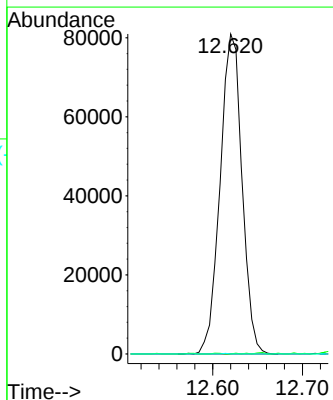
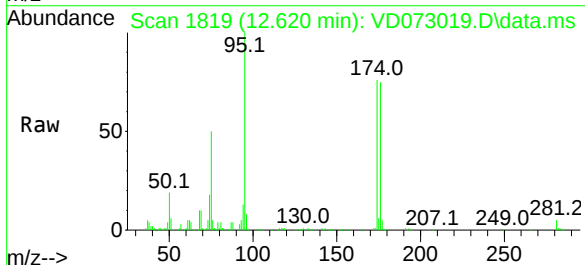
Instrument :
MSVOA_D
ClientSampleId :
SC-5

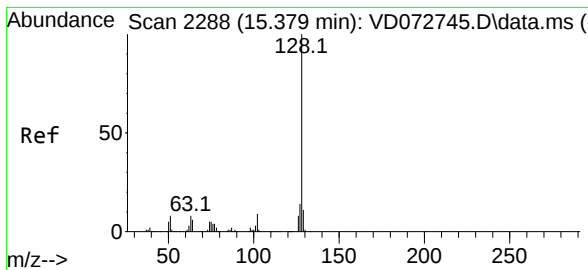
Tgt Ion: 75 Resp: 137044
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.326 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

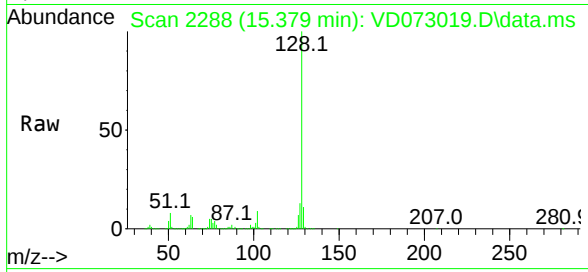
Tgt Ion: 75 Resp: 137044
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 113.756 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073019.D
Acq: 14 May 2022 06:16

Instrument :
MSVOA_D
ClientSampleId :
SC-5



Tgt Ion:128 Resp: 1078091
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.4 12.6

