

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022122\
 Data File : VD072040.D
 Acq On : 21 Feb 2022 18:51
 Operator : VA/SY
 Sample : N1626-11
 Misc : 6.83G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CC-A6

Quant Time: Feb 22 01:08:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

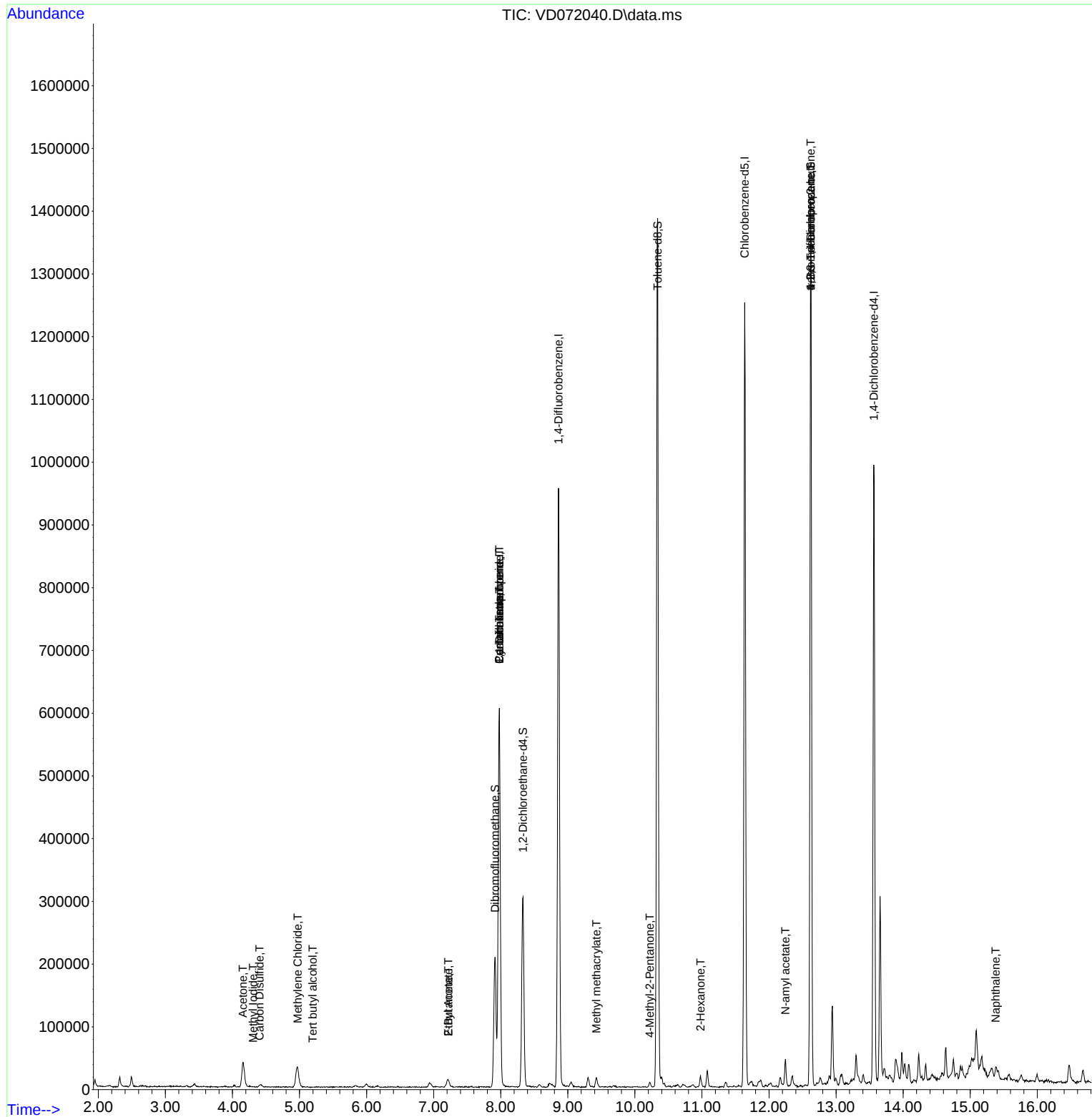
Internal Standards						
1) Pentafluorobenzene	7.979	168	447942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	808416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	717821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	266804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	246603	53.073	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.140%			
35) Dibromofluoromethane	7.914	113	152287	31.092	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 62.180%			
50) Toluene-d8	10.338	98	949607	52.281	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.560%			
62) 4-Bromofluorobenzene	12.620	95	314815	47.184	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.360%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	477	Below Cal	#	72
10) Methyl Iodide	4.309	142	168	2.955	ug/l #	40
11) Tert butyl alcohol	5.197	59	327	1.233	ug/l #	80
16) Acetone	4.156	43	72394	72.092	ug/l	97
17) Carbon Disulfide	4.403	76	7383	1.301	ug/l	96
18) Methyl Acetate	4.738	43	64	Below Cal	#	52
20) Methylene Chloride	4.973	84	24037	4.810	ug/l	91
25) 2-Butanone	7.220	43	20286	14.616	ug/l #	86
31) Cyclohexane	7.979	56	9535	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	33887	4.567	ug/l #	50
37) Ethyl Acetate	7.220	43	20286	5.896	ug/l #	71
38) Carbon Tetrachloride	7.979	117	45954	6.043	ug/l #	16
48) Methyl methacrylate	9.426	41	4889	1.511	ug/l #	45
51) 4-Methyl-2-Pentanone	10.220	43	5463	1.609	ug/l	93
59) 2-Hexanone	10.979	43	11646	5.029	ug/l	96
74) N-amyl acetate	12.244	43	26605	6.015	ug/l #	48
76) 1,2,3-Trichloropropane	12.620	75	167530	66.290	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	167530	166.004	ug/l #	10
95) Naphthalene	15.379	128	13426	1.583	ug/l	97

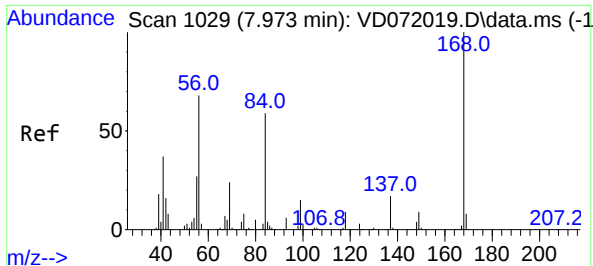
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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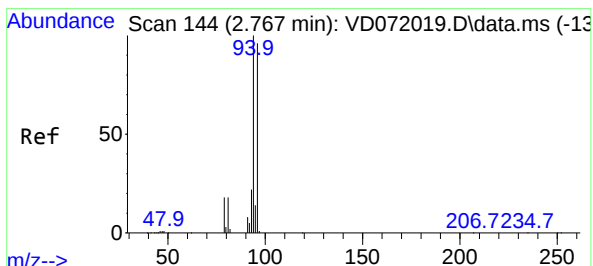
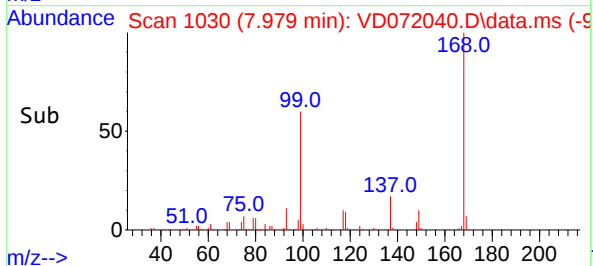
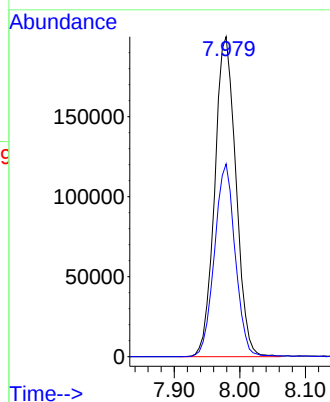
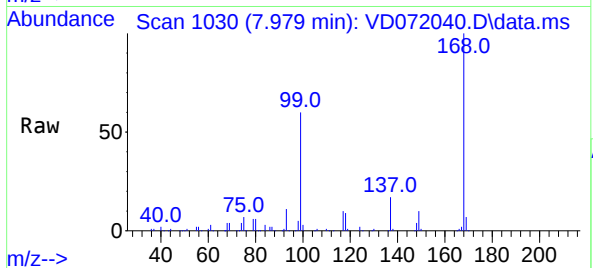




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

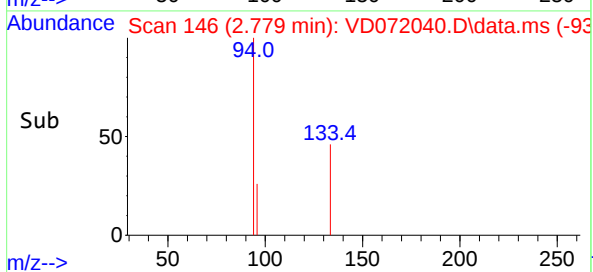
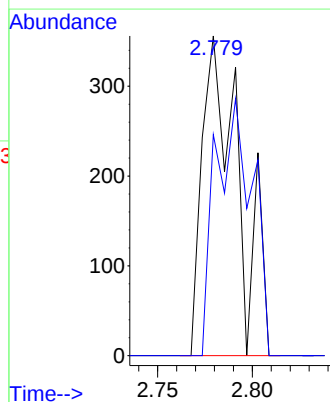
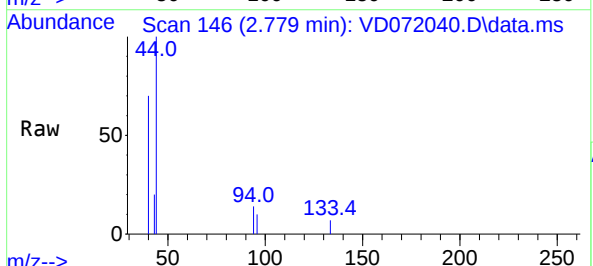
Instrument :
MSVOA_D
ClientSampleId :
CC-A6

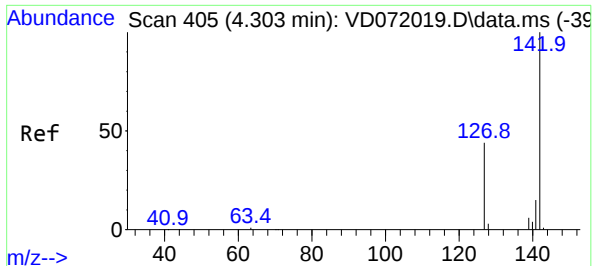
Tgt Ion:168 Resp: 447942
Ion Ratio Lower Upper
168 100
99 60.3 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 69.1 76.8 115.2#

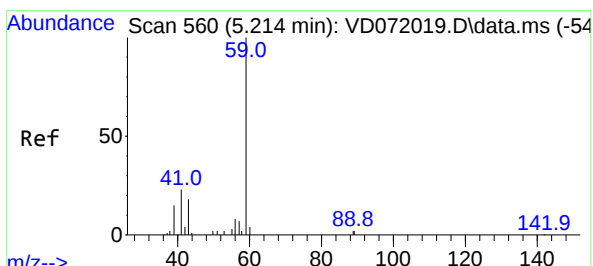
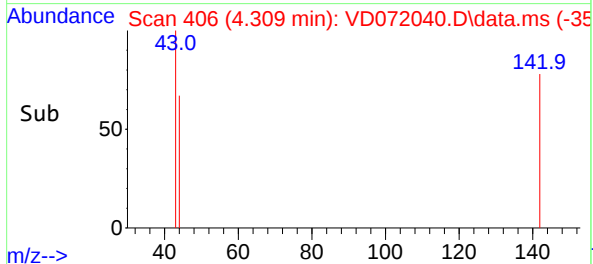
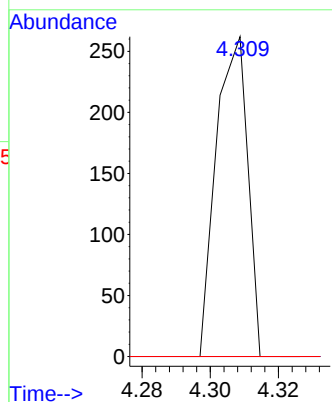
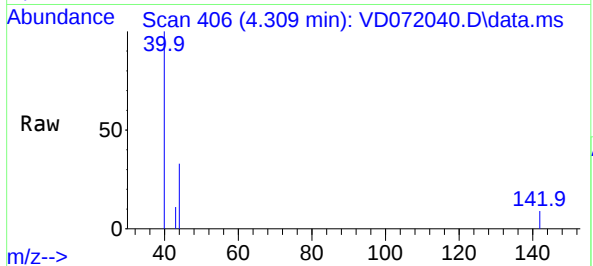




#10
Methyl Iodide
Concen: 2.955 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

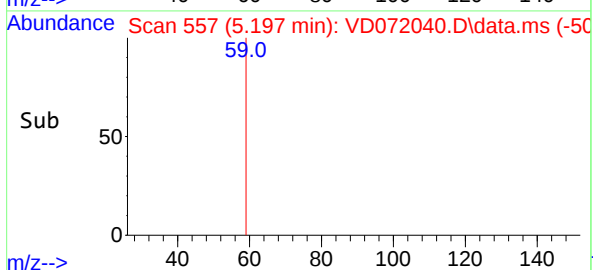
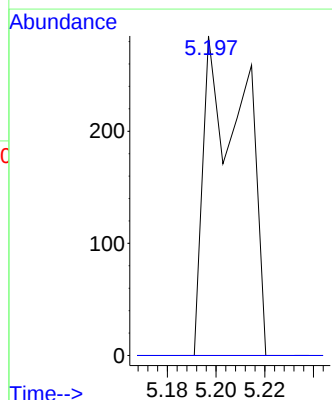
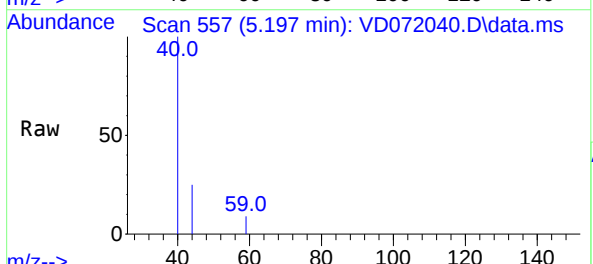
Instrument :
MSVOA_D
ClientSampleId :
CC-A6

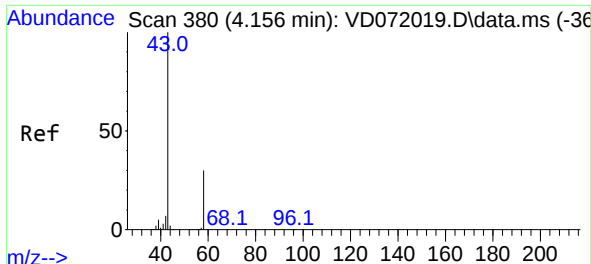
Tgt Ion:142 Resp: 168
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.233 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.017 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

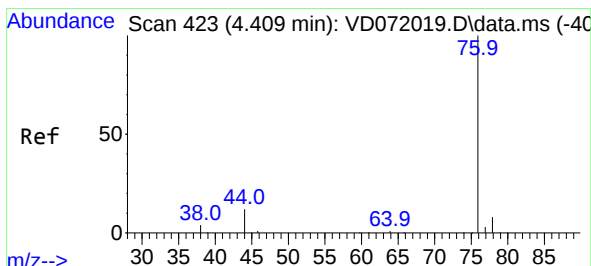
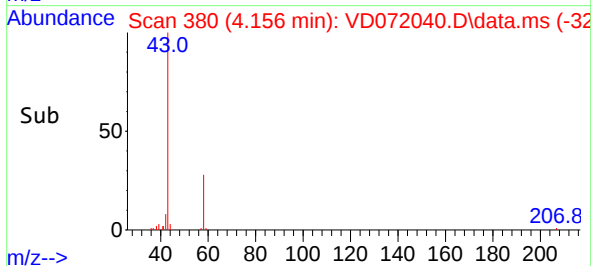
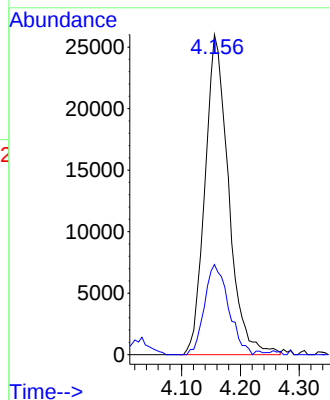
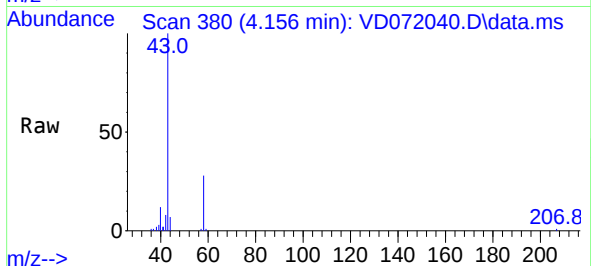




#16
Acetone
Concen: 72.092 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

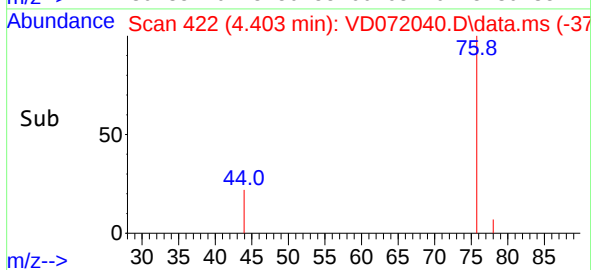
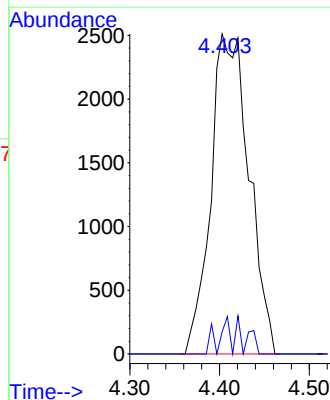
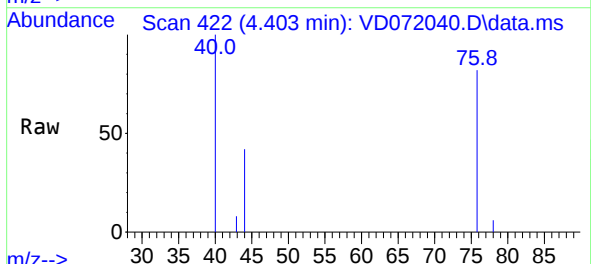
Instrument :
MSVOA_D
ClientSampleId :
CC-A6

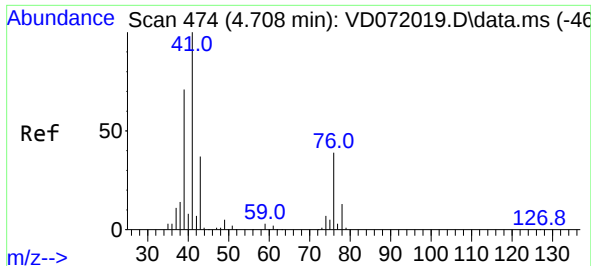
Tgt Ion: 43 Resp: 72394
Ion Ratio Lower Upper
43 100
58 28.1 23.8 35.6



#17
Carbon Disulfide
Concen: 1.301 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

Tgt Ion: 76 Resp: 7383
Ion Ratio Lower Upper
76 100
78 6.9 6.7 10.1





#18

Methyl Acetate

Concen: Below Cal

RT: 4.738 min Scan# 41

Delta R.T. 0.030 min

Lab File: VD072040.D

Acq: 21 Feb 2022 18:51

Instrument :

MSVOA_D

ClientSampleId :

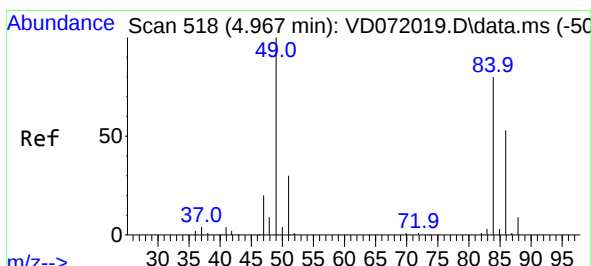
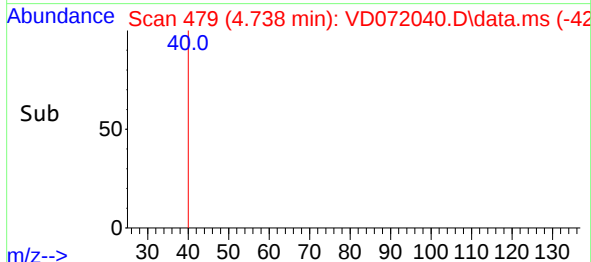
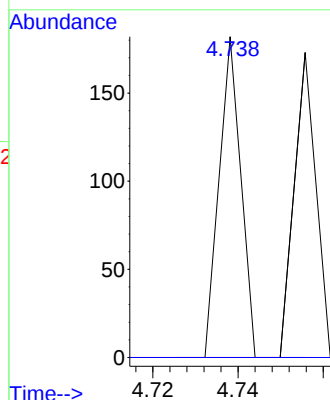
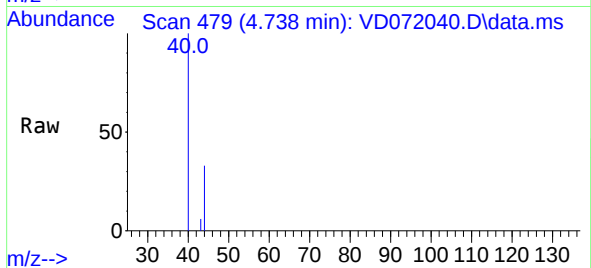
CC-A6

Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#



#20

Methylene Chloride

Concen: 4.810 ug/l

RT: 4.973 min Scan# 519

Delta R.T. 0.006 min

Lab File: VD072040.D

Acq: 21 Feb 2022 18:51

Tgt Ion: 84 Resp: 24037

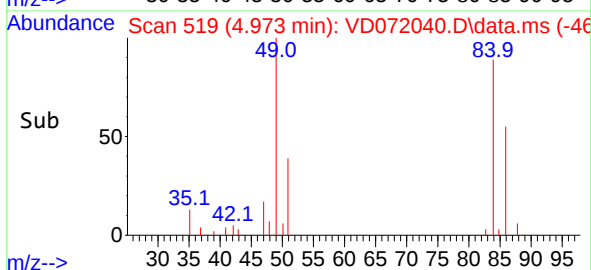
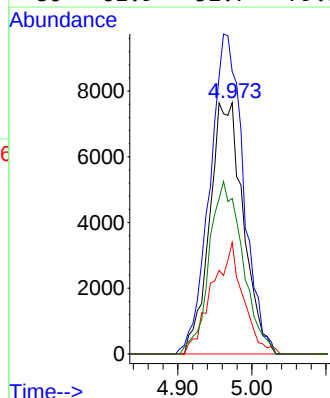
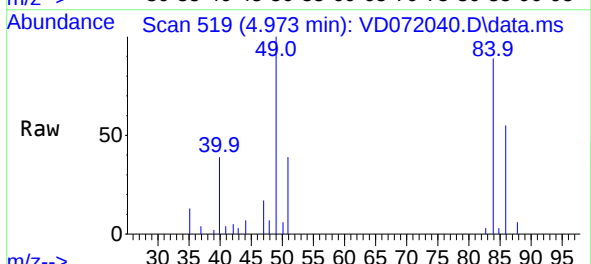
Ion Ratio Lower Upper

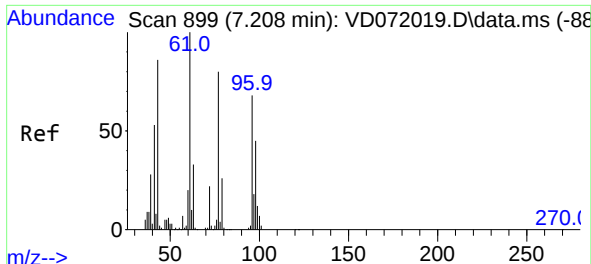
84 100

49 112.4 100.0 150.0

51 44.3 30.2 45.4

86 61.9 52.7 79.1

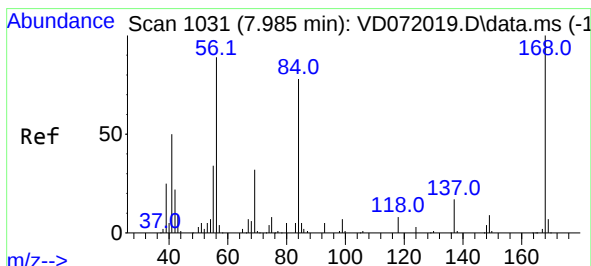
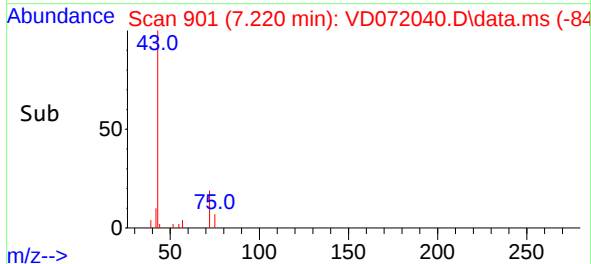
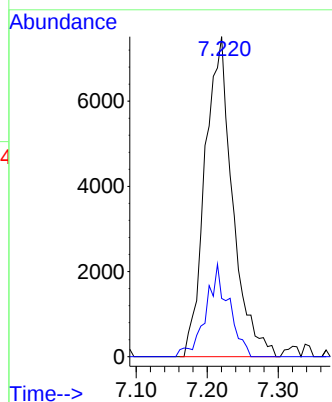
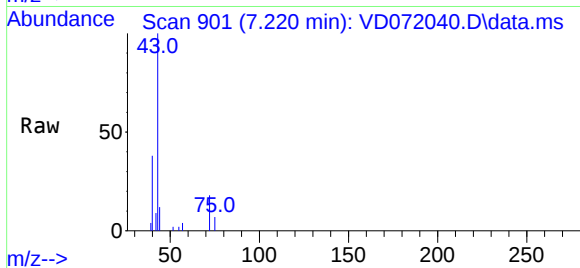




#25
2-Butanone
Concen: 14.616 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

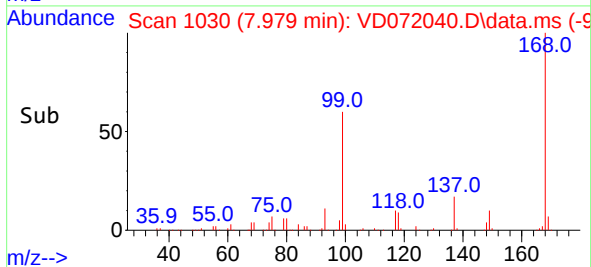
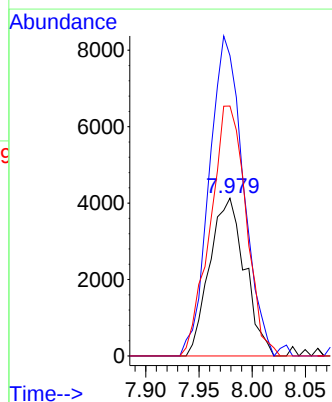
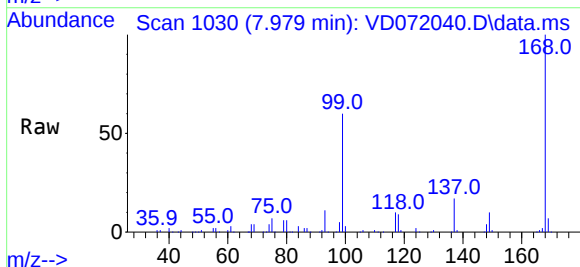
Instrument :
MSVOA_D
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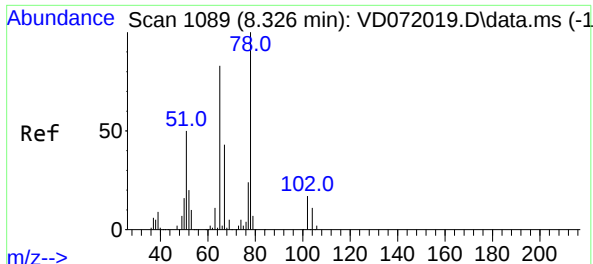
Tgt Ion: 43 Resp: 20286
Ion Ratio Lower Upper
43 100
72 18.2 20.3 30.5#



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

Tgt Ion: 56 Resp: 9535
Ion Ratio Lower Upper
56 100
69 190.3 28.9 43.3#
84 158.4 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 53.073 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD072040.D

Acq: 21 Feb 2022 18:51

Instrument :

MSVOA_D

ClientSampleId :

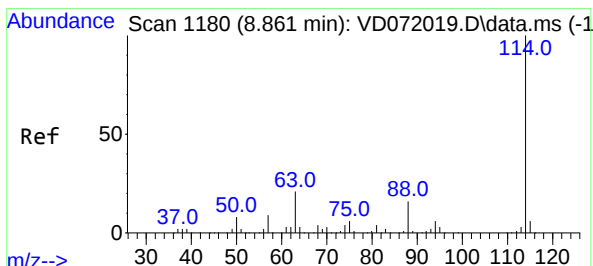
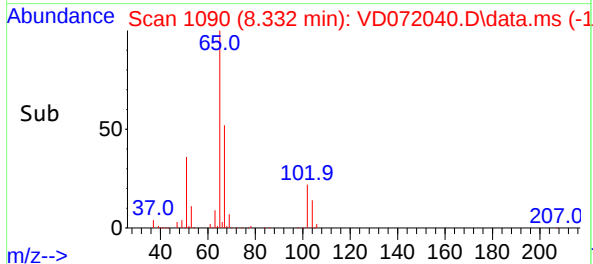
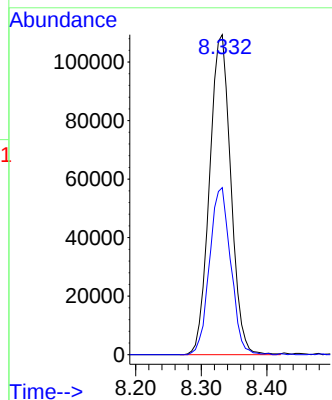
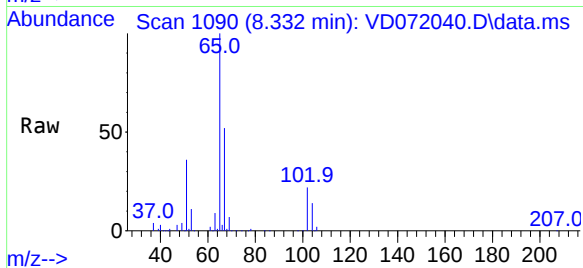
CC-A6

Tgt Ion: 65 Resp: 246603

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072040.D

Acq: 21 Feb 2022 18:51

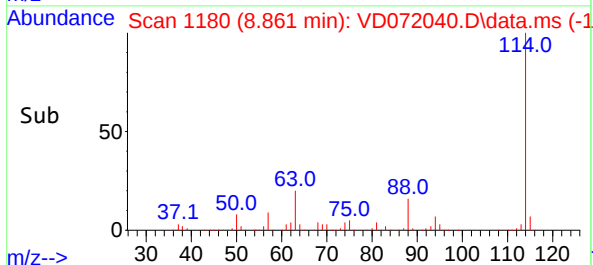
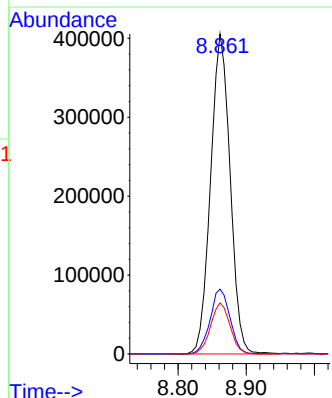
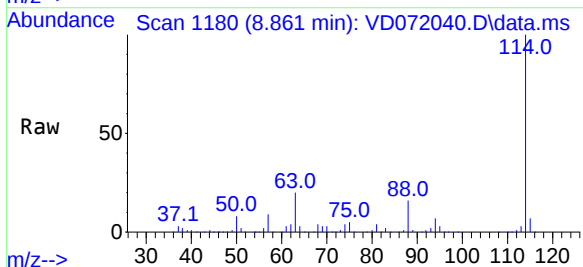
Tgt Ion: 114 Resp: 808416

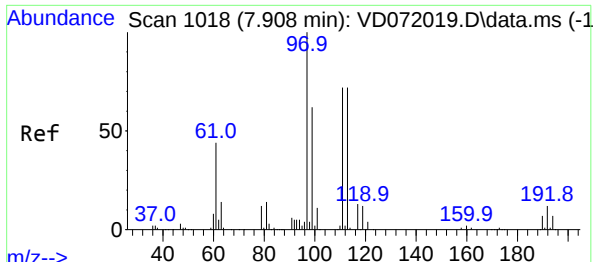
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.2

88 16.0 0.0 31.2

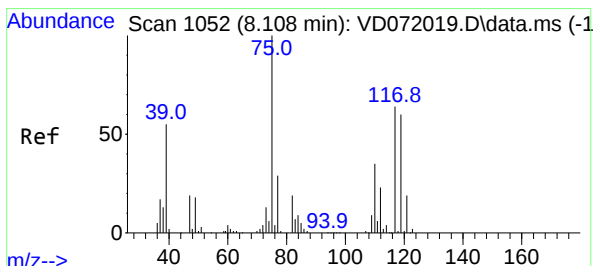
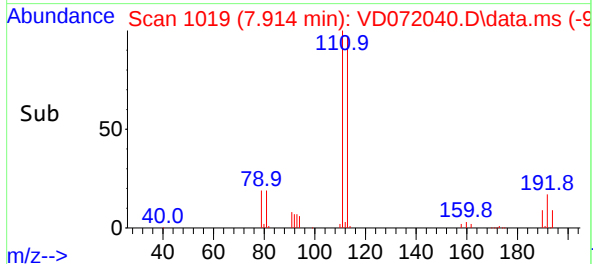
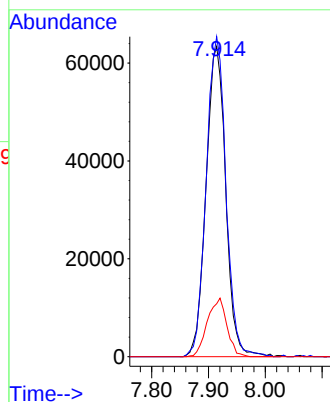
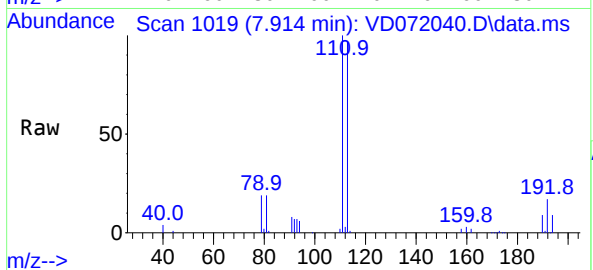




#35
Dibromofluoromethane
Concen: 31.092 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

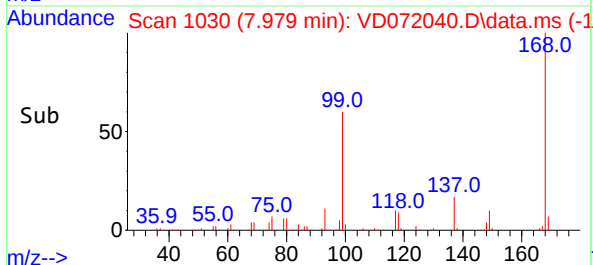
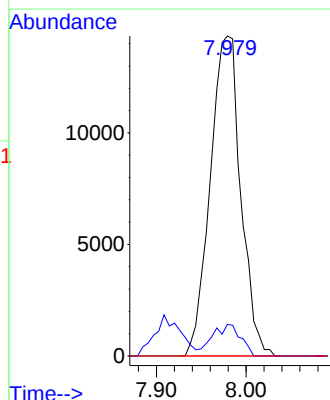
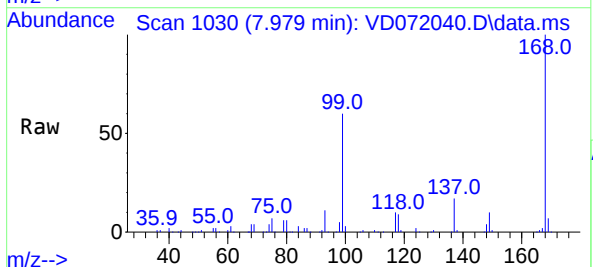
Instrument :
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ClientSampleId :
CC-A6

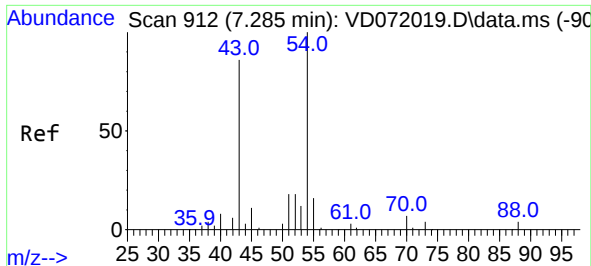
Tgt Ion:113 Resp: 152287
Ion Ratio Lower Upper
113 100
111 103.5 83.0 124.4
192 18.7 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.567 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

Tgt Ion: 75 Resp: 33887
Ion Ratio Lower Upper
75 100
110 9.1 17.7 53.1#
77 0.0 24.8 37.2#

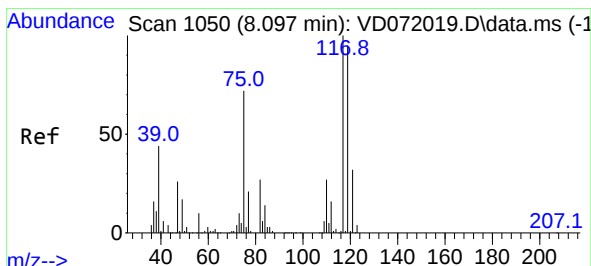
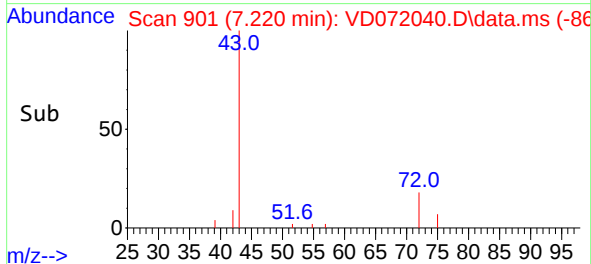
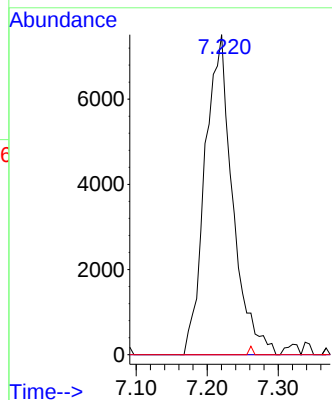
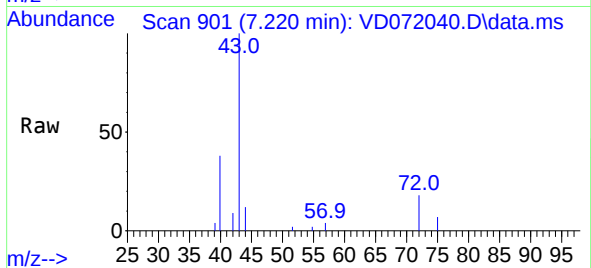




#37
Ethyl Acetate
Concen: 5.896 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.064 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

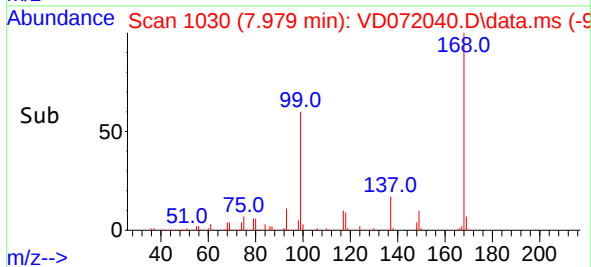
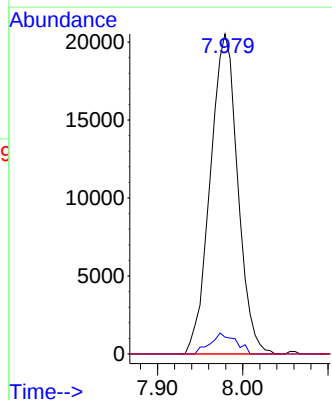
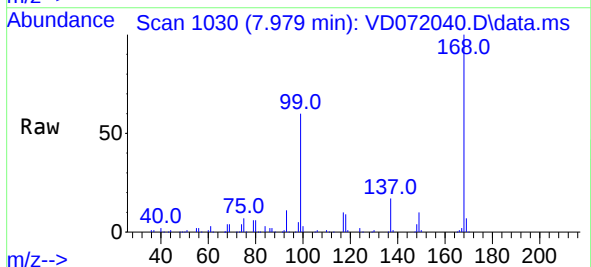
Instrument :
MSVOA_D
ClientSampleId :
CC-A6

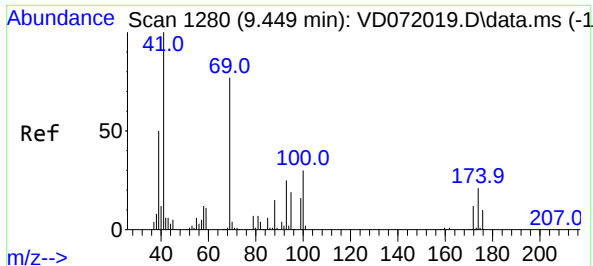
Tgt Ion: 43 Resp: 20286
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 6.043 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

Tgt Ion: 117 Resp: 45954
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 25.8 38.6#





#48

Methyl methacrylate

Concen: 1.511 ug/l

RT: 9.426 min Scan# 11

Delta R.T. -0.023 min

Lab File: VD072040.D

Acq: 21 Feb 2022 18:51

Instrument :

MSVOA_D

ClientSampleId :

CC-A6

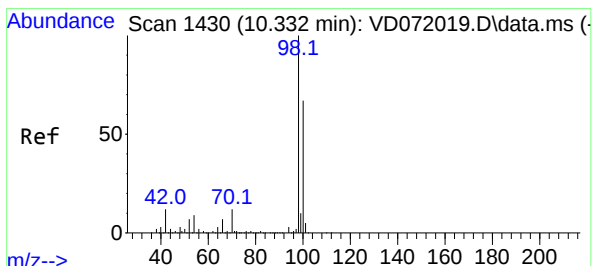
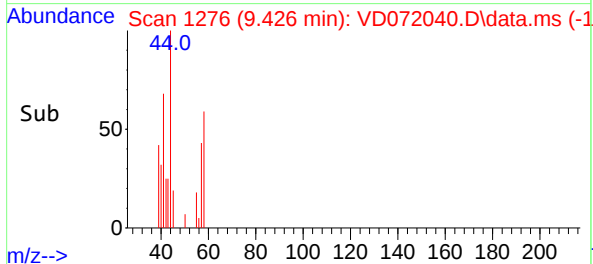
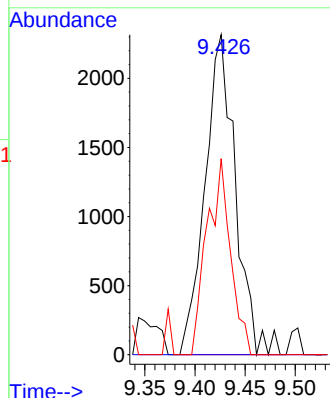
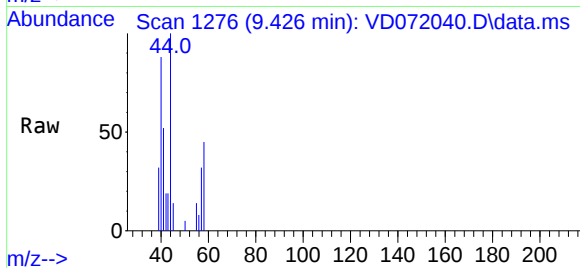
Tgt Ion: 41 Resp: 4889

Ion Ratio Lower Upper

41 100

69 0.0 61.6 92.4#

39 47.5 38.6 57.8



#50

Toluene-d8

Concen: 52.281 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD072040.D

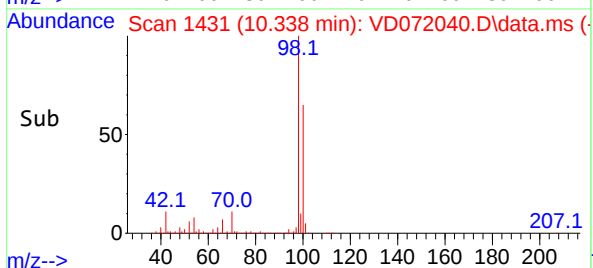
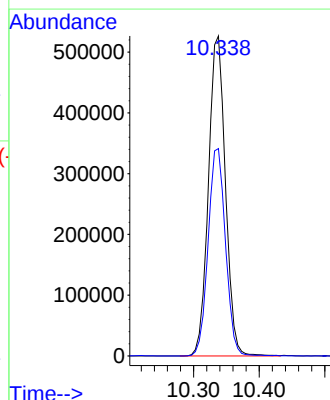
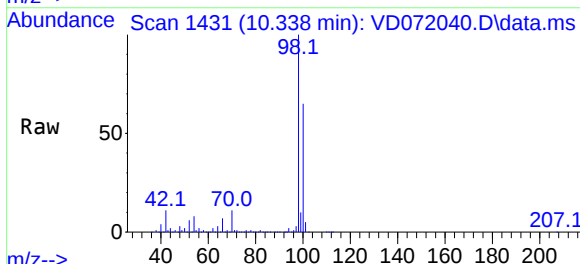
Acq: 21 Feb 2022 18:51

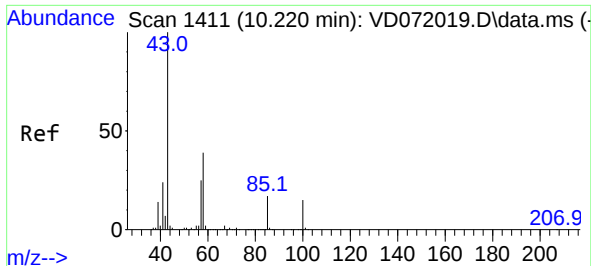
Tgt Ion: 98 Resp: 949607

Ion Ratio Lower Upper

98 100

100 66.2 53.8 80.6

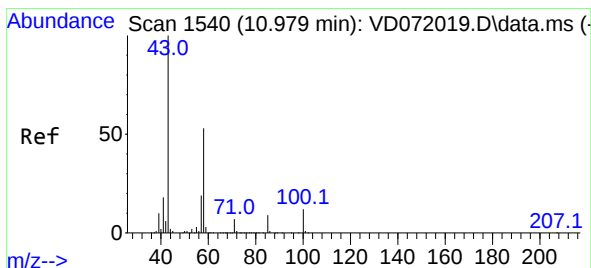
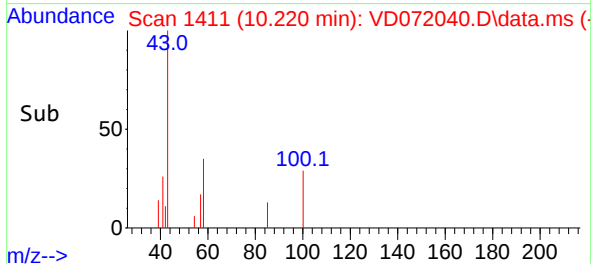
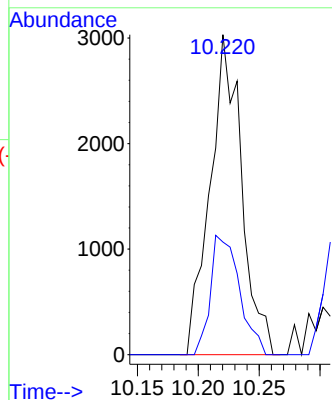
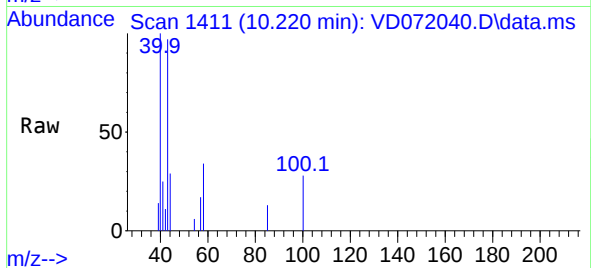




#51
4-Methyl-2-Pentanone
Concen: 1.609 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

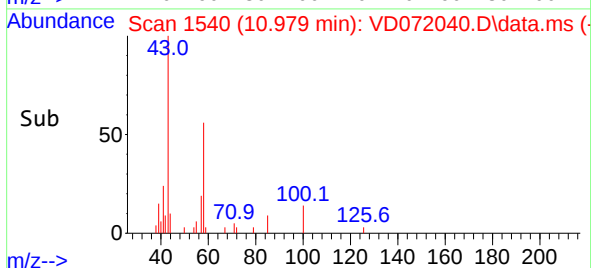
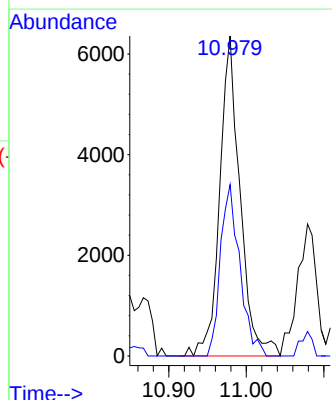
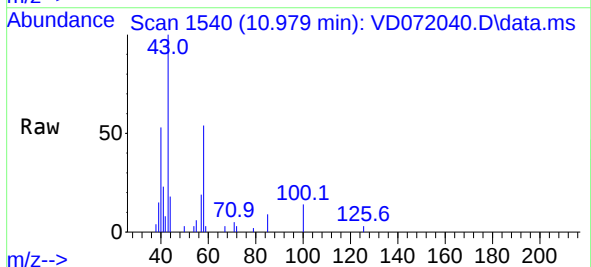
Instrument :
MSVOA_D
ClientSampleId :
CC-A6

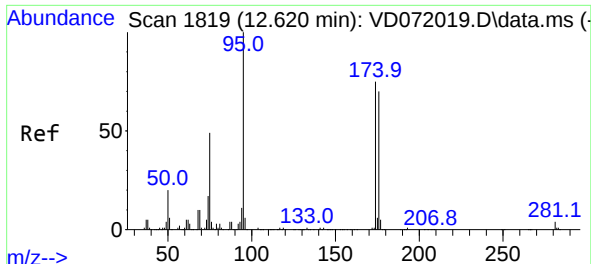
Tgt Ion: 43 Resp: 5463
Ion Ratio Lower Upper
43 100
58 34.3 30.8 46.2



#59
2-Hexanone
Concen: 5.029 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

Tgt Ion: 43 Resp: 11646
Ion Ratio Lower Upper
43 100
58 50.9 27.0 80.8

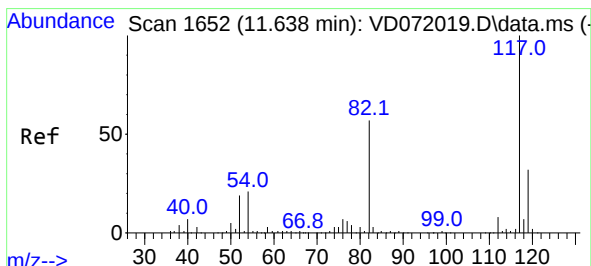
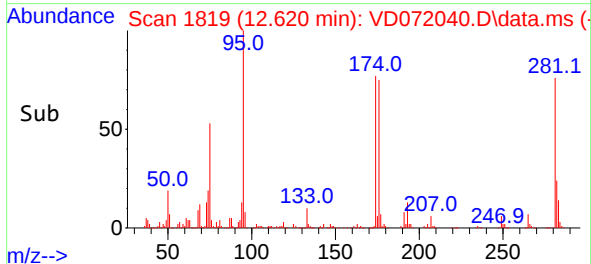
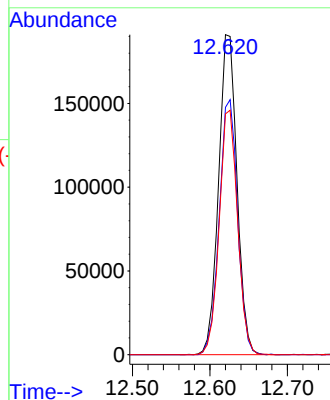
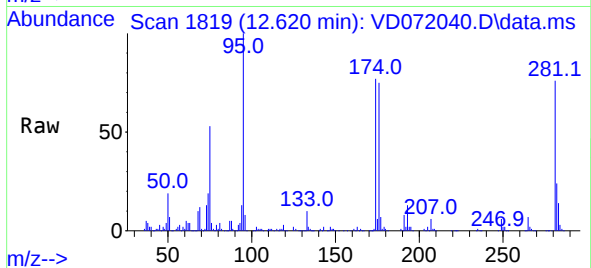




#62
4-Bromofluorobenzene
Concen: 47.184 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

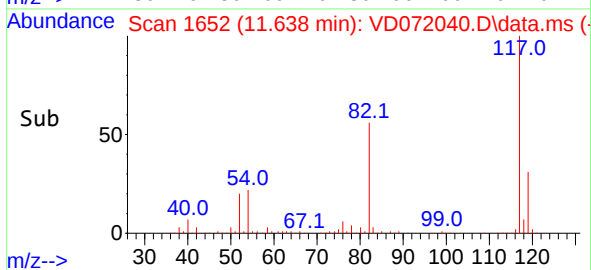
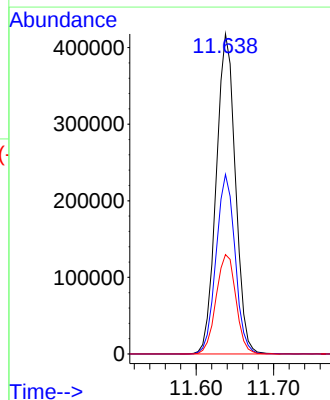
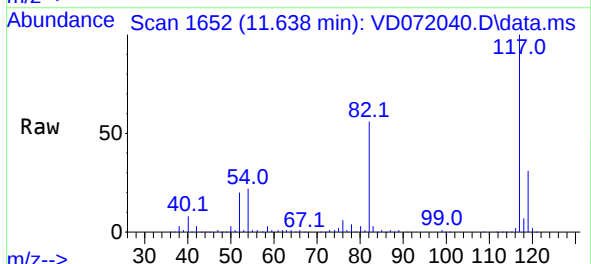
Instrument :
MSVOA_D
ClientSampleId :
CC-A6

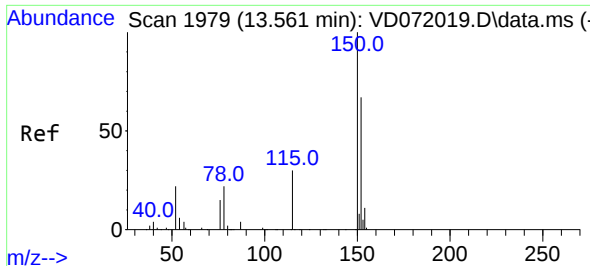
Tgt Ion: 95 Resp: 314815
Ion Ratio Lower Upper
95 100
174 79.6 0.0 155.0
176 76.3 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

Tgt Ion: 117 Resp: 717821
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.0
119 31.1 25.4 38.2

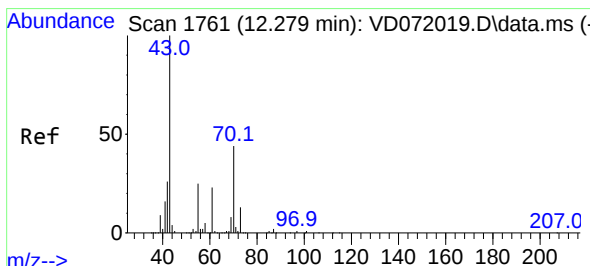
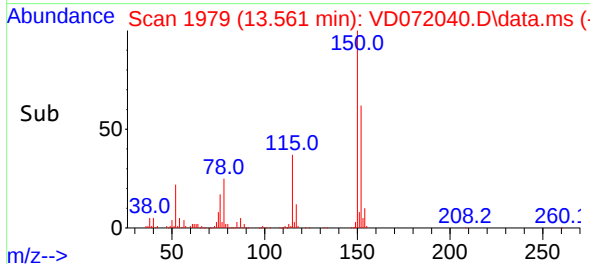
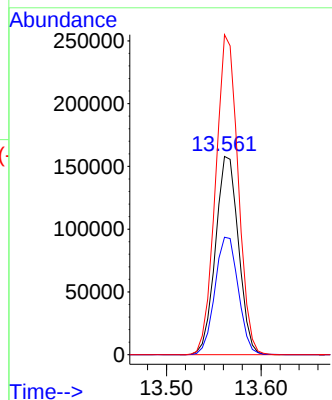
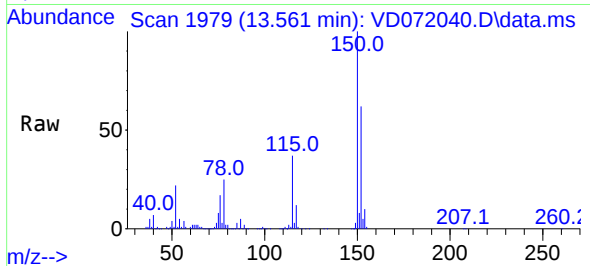




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

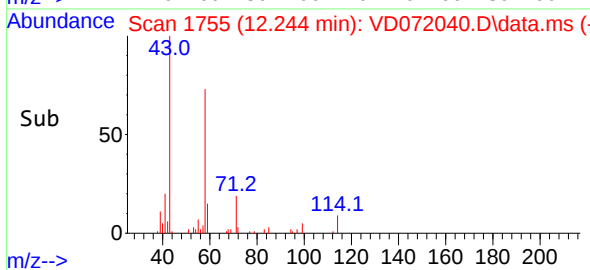
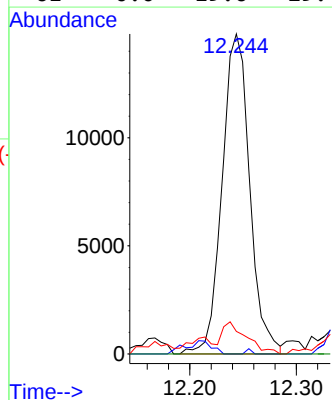
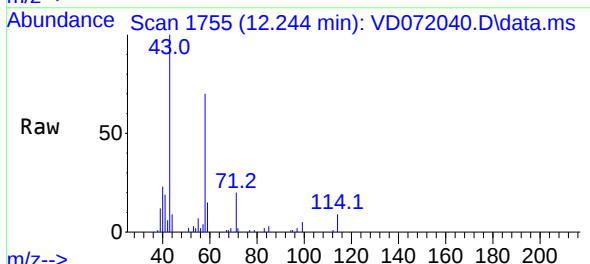
Instrument :
MSVOA_D
ClientSampleId :
CC-A6

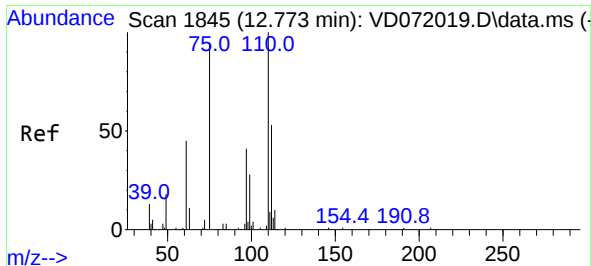
Tgt Ion:152 Resp: 266804
Ion Ratio Lower Upper
152 100
115 60.3 29.9 89.7
150 157.8 0.0 347.6



#74
N-ethyl acetate
Concen: 6.015 ug/l
RT: 12.244 min Scan# 1755
Delta R.T. -0.035 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

Tgt Ion: 43 Resp: 26605
Ion Ratio Lower Upper
43 100
70 0.0 33.2 49.8#
55 8.7 20.6 30.8#
61 0.0 19.6 29.4#

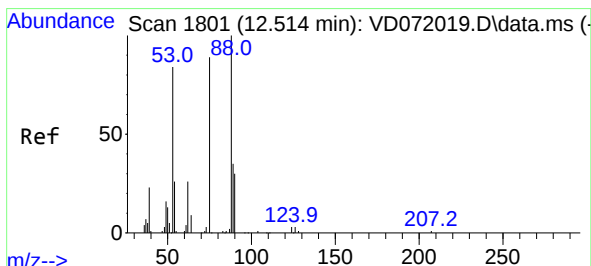
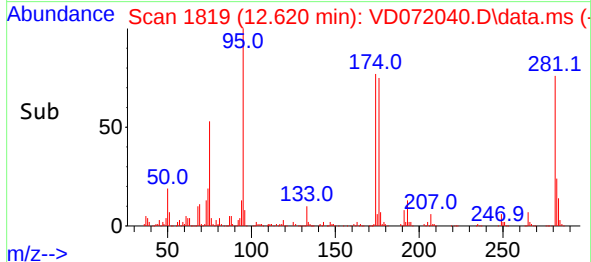
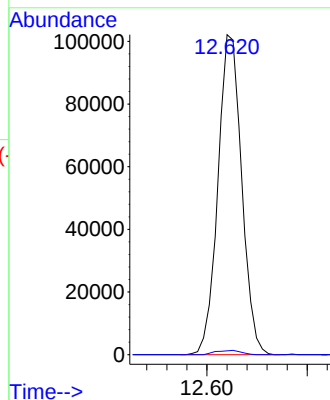
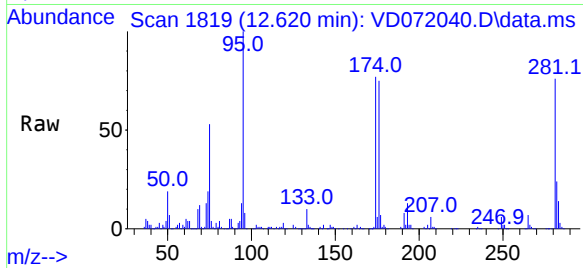




#76
1,2,3-Trichloropropane
Concen: 66.290 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

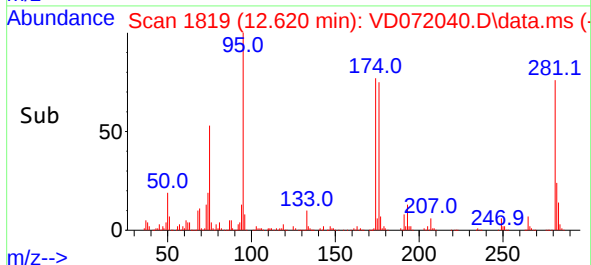
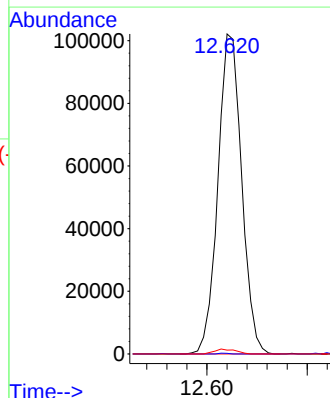
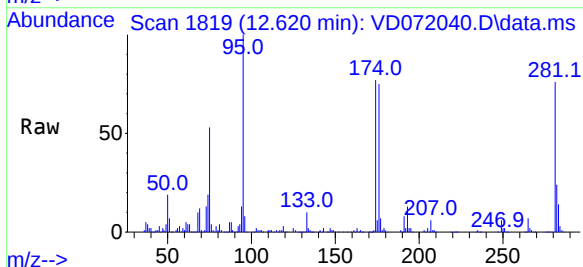
Instrument :
MSVOA_D
ClientSampleId :
CC-A6

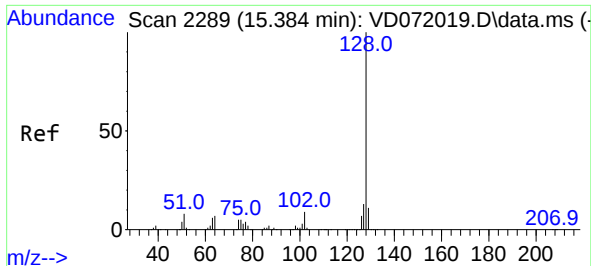
Tgt Ion: 75 Resp: 167530
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 166.004 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072040.D
Acq: 21 Feb 2022 18:51

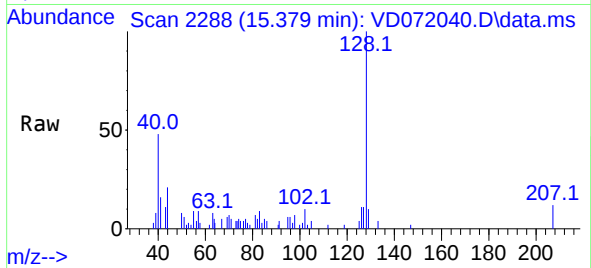
Tgt Ion: 75 Resp: 167530
Ion Ratio Lower Upper
75 100
53 0.1 80.2 120.4#
89 1.4 36.4 54.6#





#95
 Naphthalene
 Concen: 1.583 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD072040.D
 Acq: 21 Feb 2022 18:51

Instrument :
 MSVOA_D
 ClientSampleId :
 CC-A6



Tgt Ion:128 Resp: 13426
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.3 15.5
 129 12.2 8.7 13.1

